MARCH 1994

NASA THESAURUS HIERARCHICAL UPDATE (CUMULATIVE)

A - L

NASA STI PROGRAM
SCIENTIFIC & TECHNICAL INFORMATION

This publication was prepared by the NASA Center for AeroSpace Information,
800 Elkridge Landing Road, Linthicum Heights, MD 21090-2934, (301) 621-0390.

NASA THESAURUS HIERARCHICAL UPDATE

Primarily an 'in-house' publication for NASA and the foreign contributors to the NASA STI Database, the Hierarchical Update cumulatively updates the Hierarchical listing of the 1988 edition of the *NASA Thesaurus*.

The complete Generic Structure is included, showing all the interrelationships of the broader and narrower terms. Category numbers are given for each term and correspond to category numbers found in Volume 3 of the 1967 *NASA Thesaurus*.

The location of an entry term within a hierarchy is indicated by a pound sign (#). Array terms are identified by a percent (%) sign.

```
A STARS
  3001
  GS    CELESTIAL BODIES
        .STARS
        ..EARLY STARS
        ...HOT STARS
        ...#A STARS
  RT    BLUE STARS
        PECULIAR STARS
        WOLF-RAYET STARS

A-1 AIRCRAFT
  0207 3401
  UF    SKYRAIDER AIRCRAFT
  GS    ATTACK AIRCRAFT
        #A-1 AIRCRAFT
        MCDONNELL DOUGLAS AIRCRAFT
        .DOUGLAS AIRCRAFT
        .#A-1 AIRCRAFT
        MONOPLANES
        #A-1 AIRCRAFT
  RT % AIRCRAFT

A-2 AIRCRAFT
  0207 3401
  UF    SAVAGE AIRCRAFT
  GS    ATTACK AIRCRAFT
        .BOMBER AIRCRAFT
        .#A-2 AIRCRAFT
        JET AIRCRAFT
        #A-2 AIRCRAFT
        MONOPLANES
        #A-2 AIRCRAFT
        NORTH AMERICAN AIRCRAFT
        #A-2 AIRCRAFT
        OBSERVATION AIRCRAFT
        #A-2 AIRCRAFT
  RT % AIRCRAFT

A-3 AIRCRAFT
  0207
  UF    A3D AIRCRAFT
        SKYWARRIOR AIRCRAFT
  GS    ATTACK AIRCRAFT
        .BOMBER AIRCRAFT
        .#A-3 AIRCRAFT
        JET AIRCRAFT
        #A-3 AIRCRAFT
        MCDONNELL DOUGLAS AIRCRAFT
        .DOUGLAS AIRCRAFT
        .#A-3 AIRCRAFT
        MONOPLANES
        #A-3 AIRCRAFT
  RT % AIRCRAFT

A-4 AIRCRAFT
  0207
  UF    A4D AIRCRAFT
        SKYHAWK AIRCRAFT
  GS    ATTACK AIRCRAFT
        .BOMBER AIRCRAFT
        .#A-4 AIRCRAFT
        JET AIRCRAFT
        #A-4 AIRCRAFT
        MCDONNELL DOUGLAS AIRCRAFT
        .DOUGLAS AIRCRAFT
        .#A-4 AIRCRAFT
        MONOPLANES
        #A-4 AIRCRAFT
  RT % AIRCRAFT
        J-65 ENGINE

A-5 AIRCRAFT
  0207
  UF    A3J AIRCRAFT
        VIGILANTE AIRCRAFT
  GS    ATTACK AIRCRAFT
        .BOMBER AIRCRAFT
        .#A-5 AIRCRAFT
        JET AIRCRAFT
        #A-5 AIRCRAFT
        MONOPLANES
        #A-5 AIRCRAFT
        NORTH AMERICAN AIRCRAFT
        #A-5 AIRCRAFT
        SUPERSONIC AIRCRAFT
        #A-5 AIRCRAFT
  RT % AIRCRAFT

A-6 AIRCRAFT
  0207 3401
  UF    A2F AIRCRAFT
        INTRUDER AIRCRAFT
  GS    ATTACK AIRCRAFT
        .BOMBER AIRCRAFT
        .#A-6 AIRCRAFT
        GRUMMAN AIRCRAFT
        #A-6 AIRCRAFT
        JET AIRCRAFT
        #A-6 AIRCRAFT
        MONOPLANES
        #A-6 AIRCRAFT
  RT % AIRCRAFT

A-7 AIRCRAFT
  0207 3401
  UF    CORSAIR AIRCRAFT
  GS    ATTACK AIRCRAFT
        #A-7 AIRCRAFT
        JET AIRCRAFT
        .TURBOFAN AIRCRAFT
        .#A-7 AIRCRAFT
        LING-TEMCO-VOUGHT AIRCRAFT
        #A-7 AIRCRAFT
        MONOPLANES
        #A-7 AIRCRAFT
  RT % AIRCRAFT

A-9 AIRCRAFT
  0204 0207
  GS    ATTACK AIRCRAFT
        #A-9 AIRCRAFT
        NORTHROP AIRCRAFT
        #A-9 AIRCRAFT
        RECONNAISSANCE AIRCRAFT
        #A-9 AIRCRAFT
  RT % AIRCRAFT

A-10 AIRCRAFT
  0206 0207
  GS    ATTACK AIRCRAFT
        #A-10 AIRCRAFT
        REPUBLIC AIRCRAFT
        #A-10 AIRCRAFT
  RT % AIRCRAFT

A-11 SATELLITE
  USE   ECHO 1 SATELLITE

A-12 SATELLITE
  USE   ECHO 2 SATELLITE

A-37 AIRCRAFT
  0207
  GS    ATTACK AIRCRAFT
        #A-37 AIRCRAFT
        CESSNA AIRCRAFT
        #A-37 AIRCRAFT
        MONOPLANES
        #A-37 AIRCRAFT
  RT % AIRCRAFT
     % MILITARY AIRCRAFT
        T-37 AIRCRAFT

A-300 AIRCRAFT
  0204
  GS    COMMERCIAL AIRCRAFT
        .EUROPEAN AIRBUS
        .#A-300 AIRCRAFT
        JET AIRCRAFT
        .EUROPEAN AIRBUS
        .#A-300 AIRCRAFT
        PASSENGER AIRCRAFT
        .EUROPEAN AIRBUS
```

.#A-300 AIRCRAFT
TRANSPORT AIRCRAFT
.SHORT HAUL AIRCRAFT
..EUROPEAN AIRBUS
..#A-300 AIRCRAFT
RT % AIRCRAFT
ASTROPLANE
INTERNATIONAL COOPERATION
SWEPT WINGS

A-310 AIRCRAFT
0204
GS COMMERCIAL AIRCRAFT
.EUROPEAN AIRBUS
.#A-310 AIRCRAFT
JET AIRCRAFT
.EUROPEAN AIRBUS
.#A-310 AIRCRAFT
PASSENGER AIRCRAFT
.EUROPEAN AIRBUS
.#A-310 AIRCRAFT
TRANSPORT AIRCRAFT
.SHORT HAUL AIRCRAFT
..EUROPEAN AIRBUS
..#A-310 AIRCRAFT
RT INTERNATIONAL COOPERATION
SWEPT WINGS

A-320 AIRCRAFT
0204
GS COMMERCIAL AIRCRAFT
.EUROPEAN AIRBUS
.#A-320 AIRCRAFT
JET AIRCRAFT
.EUROPEAN AIRBUS
.#A-320 AIRCRAFT
PASSENGER AIRCRAFT
.EUROPEAN AIRBUS
.#A-320 AIRCRAFT
TRANSPORT AIRCRAFT
.SHORT HAUL AIRCRAFT
..EUROPEAN AIRBUS
..#A-320 AIRCRAFT
RT INTERNATIONAL COOPERATION
SWEPT WINGS

AABNCP
USE E-4A AIRCRAFT

AAP 1 MISSION
3409
RT APOLLO APPLICATIONS PROGRAM
APOLLO PROJECT
SKYLAB PROGRAM

AAP 2 MISSION
3409
RT APOLLO APPLICATIONS PROGRAM
APOLLO PROJECT
SKYLAB PROGRAM

AAP 3 MISSION
3409
RT APOLLO APPLICATIONS PROGRAM
APOLLO PROJECT
SKYLAB PROGRAM

AAP 4 MISSION
3409
RT APOLLO APPLICATIONS PROGRAM
APOLLO PROJECT
SKYLAB PROGRAM

ABDOMEN
0402 0404
GS ANATOMY
#ABDOMEN
RT DIGESTIVE SYSTEM
GASTROINTESTINAL SYSTEM
INTESTINES
PERITONEUM
STOMACH
VENTRAL SECTIONS
VISCERA

ABEL FUNCTION
1309 1902 2308
GS ANALYSIS (MATHEMATICS)
.REAL VARIABLES
.#ABEL FUNCTION
FUNCTIONS (MATHEMATICS)
#ABEL FUNCTION
RT SERIES (MATHEMATICS)

ABERRATION
2306 2310 2311
RT ABNORMALITIES
ASPHERICITY
BLURRING
% COMA
CRYSTAL OPTICS
DEVIATION
DISTORTION
GRAZING INCIDENCE
SPATIAL FILTERING

ABILITIES
0408 0506 3408
UF PROFICIENCY
SKILLS
GS ARTS
#ABILITIES
RT CONSISTENCY
EFFORT
HUMAN FACTORS ENGINEERING
INCOMPATIBILITY
TRANSFER OF TRAINING

ABIOGENESIS
0403 0404 0411 3009
GS EVOLUTION (DEVELOPMENT)
.BIOLOGICAL EVOLUTION
.#ABIOGENESIS
RT AUTOCATALYSIS
CHEMICAL EVOLUTION
LIFE SCIENCES
PANSPERMIA
PROTOBIOLOGY
SPERMATOGENESIS

ABLATED NOSETIPS
USE PANT PROGRAM

ABLATION
0406 3303 3305 3407 3501
GS #ABLATION
.LASER ABLATION
RT ABLATIVE MATERIALS
ABLATIVE NOSE CONES
AERODYNAMIC HEAT TRANSFER
AERODYNAMIC HEATING
AEROTHERMOCHEMISTRY
ATMOSPHERIC ENTRY
BURNTHROUGH (FAILURE)
CHARRING
COOLING
DECOMPOSITION
EROSION
GAS-METAL INTERACTIONS
HEAT SHIELDING
IMPINGEMENT
JET IMPINGEMENT
MASS TRANSFER
MELTING
PYROLYSIS
REENTRY
REENTRY EFFECTS
REENTRY PHYSICS
REENTRY SHIELDING
SUBLIMATION
TEMPERATURE EFFECTS
THERMAL ABSORPTION
THERMAL DECOMPOSITION
VAPORIZING

NASA THESAURUS HIERARCHICAL UPDATE

ABLATIVE MATERIALS
0102 1805 3110 3303 3305 3501
RT ABLATION
CARBON-PHENOLIC COMPOSITES
COOLING
HEAT SHIELDING
HEAT SINKS
% MATERIALS
NOSE CONES
NOZZLE INSERTS
PYROLYTIC MATERIALS
REFRACTORY MATERIALS
TEMPERATURE
THERMAL CONTROL COATINGS
THERMAL PROTECTION

ABLATIVE NOSE CONES
0102 1805 3110 3303 3305 3501
GS CONES
.NOSE CONES
.#ABLATIVE NOSE CONES
FOREBODIES
.NOSES (FOREBODIES)
..NOSE CONES
..#ABLATIVE NOSE CONES
RT ABLATION
HEAT SHIELDING
REENTRY SHIELDING
REENTRY VEHICLES
ROCKET NOSE CONES
SHIELDING

ABLESTAR LAUNCH VEHICLE
3103
GS LAUNCH VEHICLES
#ABLESTAR LAUNCH VEHICLE
ROCKET VEHICLES
.MULTISTAGE ROCKET VEHICLES
.#ABLESTAR LAUNCH VEHICLE
RT LIQUID PROPELLANT ROCKET ENGINES

ABM
USE APOGEE BOOST MOTORS

ABNORMALITIES
0408
RT ABERRATION
DEVIATION
DISTORTION
ECCENTRICITY
IRREGULARITIES
UNIQUENESS

ABORIGINES
0404 3402
RT ANTHROPOLOGY
HUMAN BEINGS
INHABITANTS

ABORT APPARATUS
0203 3102 3103
GS SAFETY DEVICES
#ABORT APPARATUS
RT ABORTED MISSIONS
AIRCRAFT SAFETY
ARRESTING GEAR
% BARRIERS
BRAKES (FOR ARRESTING MOTION)
DRAG DEVICES
EJECTION SEATS
% EQUIPMENT
ESCAPE CAPSULES
ESCAPE ROCKETS
FLYING EJECTION SEATS

ABORT TRAJECTORIES
1904 3006 3102 3103
GS TRAJECTORIES
#ABORT TRAJECTORIES
RT ABORTED MISSIONS
MATTS (SYSTEMS)

ABORTED MISSIONS
3102 3103
RT ABORT APPARATUS
ABORT TRAJECTORIES
DESTRUCTION
ENGINE FAILURE
ESCAPE CAPSULES
ESCAPE ROCKETS
FAILURE
MALFUNCTIONS
% MISSIONS

ABRASION
0405 1504 1801 1806
RT ABRASIVES
CHIPPING
CLEANING
CUTTING
DRY FRICTION
EROSION
FILES (TOOLS)
FRICTION
GRINDING (MATERIAL REMOVAL)
LESIONS
METALLOGRAPHY
POLISHING
SCORING
SOIL EROSION
TRIBOLOGY
WEAR
WEAR RESISTANCE

ABRASION RESISTANCE
1503 1504
GS MECHANICAL PROPERTIES
.WEAR RESISTANCE
.#ABRASION RESISTANCE
RT HARDNESS
% RESISTANCE
TOUGHNESS

ABRASIVES
1504 1801 1805 1806
RT ABRASION
ALUMINUM OXIDES
CARBORUNDUM (TRADEMARK)
CERAMICS
DIAMONDS
GRIT
PUMICE
QUARTZ
SILICON CARBIDES

ABRIKOSOV THEORY
2302 2311 2603 2604
RT CRYSTAL STRUCTURE
ELECTROMAGNETIC FIELDS
HORSESHOE VORTICES
SUPERCONDUCTIVITY
SUPERCONDUCTORS
% THEORIES
VORTICES

ABSOLUTE ZERO
1408
GS TEMPERATURE
#ABSOLUTE ZERO
RT CRYOGENIC TEMPERATURE
CRYOGENICS
SUBZERO TEMPERATURE
TEMPERATURE EFFECTS
TEMPERATURE SCALES
ZERO POINT ENERGY

ABSORBENTS
0602 0603 1805
UF MOLECULAR SIEVES
GS SORBENTS
#ABSORBENTS
RT % ABSORBERS
ABSORBERS (EQUIPMENT)
ABSORBERS (MATERIALS)
ADSORBENTS

AIR CONDITIONING EQUIPMENT
DESICCANTS
LOW DENSITY MATERIALS
MATERIAL ABSORPTION
% MATERIALS

% ABSORBERS
0603 1409 1504 2202 2405 3203 3303
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT ABSORBENTS
ABSORBERS (EQUIPMENT)
ABSORBERS (MATERIALS)
ATTENUATORS
CLEANERS
OSCILLATION DAMPERS
SHOCK ABSORBERS
VIBRATION ISOLATORS

ABSORBERS (EQUIPMENT)
0602 1504
SN (EXCLUDES EQUIPMENT FOR ABSORBING ENERGY)
RT ABSORBENTS
% ABSORBERS
ABSORBERS (MATERIALS)
AIR CONDITIONING EQUIPMENT
CLEANERS
COLUMNS (PROCESS ENGINEERING)
CONDENSERS (LIQUEFIERS)
COOLING SYSTEMS
DEGASSING
DRYING APPARATUS
% EQUIPMENT
MATERIAL ABSORPTION
REFRIGERATING MACHINERY
SHOCK ABSORBERS

ABSORBERS (MATERIALS)
0602 1504 1805
SN (EXCLUDES ABSORBENTS--LIMITED TO MATERIALS FOR ABSORBING RADIATION RATHER THAN OTHER MATERIALS)
GS #ABSORBERS (MATERIALS)
.RADAR ABSORBERS
..ANTIRADAR COATINGS
RT ABSORBENTS
% ABSORBERS
ABSORBERS (EQUIPMENT)
ACOUSTIC RETROFITTING
ATTENUATORS
CLEANERS
ELECTROMAGNETIC ABSORPTION
ELECTROMAGNETIC WAVE FILTERS
ENERGY ABSORPTION
% FILTERS
HEAT SINKS
INSULATION
JACKETS
LOW DENSITY MATERIALS
% MATERIALS
NEUTRON ABSORBERS
RADIATION SHIELDING
REFRIGERANTS
SHIELDING
SINKS
SOLAR ENERGY ABSORBERS
STOPPING POWER
SUPPRESSORS

ABSORPTANCE
2310
GS ELECTROMAGNETIC PROPERTIES
.OPTICAL PROPERTIES
.#ABSORPTANCE
RT ALBEDO
CAPTURE EFFECT
COSMIC RAY ALBEDO
DENSITY (MASS/VOLUME)
EARTH ALBEDO
ELECTROMAGNETIC ABSORPTION
LIGHT TRANSMISSION
LUNAR ALBEDO
MICROWAVE ABSORPTION
OPACITY
REFLECTANCE
SURFACE PROPERTIES
TRANSMISSION
TRANSMISSIVITY
TRANSMITTANCE
TRANSPARENCE
TURBIDITY

% ABSORPTION
3407 3408
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT ABSORPTION COOLING
ABSORPTION CROSS SECTIONS
ABSORPTION SPECTRA
ABSORPTION SPECTROSCOPY
ABSORPTIVITY
ACTIVATED CARBON
ADSORPTION
ATOMIC COLLISIONS
ATTENUATION
AURORAL ABSORPTION
BENEFICIATION
CAPTURE EFFECT
COLLISION PARAMETERS
COSMIC RAY ALBEDO
DAMPING
DESORPTION
DIFFUSION
DRYING
ELECTROMAGNETIC ABSORPTION
ENERGY ABSORPTION
ENERGY ABSORPTION FILMS
GAMMA RAY ABSORPTION
INFRARED ABSORPTION
INFRARED SPECTRA
MATERIAL ABSORPTION
MATERIALS RECOVERY
MICROWAVE ABSORPTION
MODERATION (ENERGY ABSORPTION)
MOLECULAR ABSORPTION
MULTIPHOTON ABSORPTION
PERMEATING
PHOTOABSORPTION
PLANETARY ATMOSPHERES
POLAR CAP ABSORPTION
RADIATION ABSORPTION
SELF ABSORPTION
SORPTION
SOUND TRANSMISSION
THERMAL ABSORPTION
ULTRAVIOLET ABSORPTION
VISIBLE SPECTRUM
X RAY ABSORPTION

ABSORPTION BANDS
USE ABSORPTION SPECTRA

ABSORPTION COEFFICIENT
USE ABSORPTIVITY

ABSORPTION COOLING
1202
GS COOLING
#ABSORPTION COOLING
RT % ABSORPTION
AMMONIA
MAGNETIC COOLING
REFRIGERANTS

ABSORPTION CROSS SECTIONS
0301 0705 1411 2402 2405
UF CAPTURE CROSS SECTIONS
RT % ABSORPTION
% CROSS SECTIONS
IONIZATION CROSS SECTIONS
NEUTRON CROSS SECTIONS
RADIATION ABSORPTION

```
        SCATTERING CROSS SECTIONS
        STOPPING POWER

ABSORPTION SPECTRA
  2401 2404 2405 3009
  UF    ABSORPTION BANDS
        SPECTRAL ABSORPTION
  GS    SPECTRA
        .RADIATION SPECTRA
        .#ABSORPTION SPECTRA
        ...FRAUNHOFER LINES
        ...HERZBERG BANDS
        ...TELLURIC LINES
        .SPECTRAL BANDS
        .#ABSORPTION SPECTRA
        ...FRAUNHOFER LINES
        ...HERZBERG BANDS
        ...TELLURIC LINES
  RT % ABSORPTION
        BALMER SERIES
     % BANDS
        CONTINUOUS RADIATION
        D LINES
        DIFFERENTIAL ABSORPTION LIDAR
        ELECTROMAGNETIC ABSORPTION
        ELECTROMAGNETIC SPECTRA
        ELECTRON SPECTROSCOPY
        ELECTRONIC SPECTRA
        EMISSION SPECTRA
        ENERGY SPECTRA
        FRAUNHOFER LINE DISCRIMINATORS
        GALACTIC NUCLEI
        GAMMA RAY ABSORPTIOMETRY
        H ALPHA LINE
        H BETA LINE
        H GAMMA LINE
        H LINES
        IONIZING RADIATION
        K LINES
        LASER SPECTROMETERS
        LINE SPECTRA
        MICROWAVE ABSORPTION
        MICROWAVE SPECTRA
        MOLECULAR SPECTRA
        MOLECULAR SPECTROSCOPY
        OSCILLATOR STRENGTHS
        PARAMAGNETIC RESONANCE
        PASCHEN SERIES
        PHOTOACOUSTIC SPECTROSCOPY
        PHOTOLUMINESCENT BANDS
        PHOTON ABSORPTIOMETRY
        RAMAN SPECTRA
        ROTATIONAL SPECTRA
        RYDBERG SERIES
        SCHUMANN-RUNGE BANDS
        SELF ABSORPTION
        SOLAR SPECTRA
        SOLAR SPECTROMETERS
        SPECTRUM ANALYSIS
        SPIN TEMPERATURE
        STELLAR SPECTRA
        SYMBIOTIC STARS
        ULTRAVIOLET SPECTRA
        VISIBLE SPECTRUM

ABSORPTION SPECTROSCOPY
  0601 1411
  GS    SPECTROSCOPY
        #ABSORPTION SPECTROSCOPY
        ..OPTOGALVANIC SPECTROSCOPY
  RT % ABSORPTION
        FRAUNHOFER LINES
        INFRARED SPECTROSCOPY
        OPTICAL EQUIPMENT
        OPTICAL MEASURING INSTRUMENTS
        ULTRAVIOLET SPECTROSCOPY

ABSORPTIVE INDEX
  USE   ABSORPTIVITY

ABSORPTIVITY
  1411 2306 2310 2401 2402
  UF    ABSORPTION COEFFICIENT
        ABSORPTIVE INDEX
  GS    ELECTROMAGNETIC PROPERTIES
        .OPTICAL PROPERTIES
        .#ABSORPTIVITY
  RT % ABSORPTION
        BEER LAW
        BOUGUER LAW
        DENSITY (MASS/VOLUME)
        ELECTROMAGNETIC ABSORPTION
        KIRCHHOFF LAW OF RADIATION
        MICROWAVE ABSORPTION
        OPACITY
        OSCILLATOR STRENGTHS
        PHOTOACOUSTIC SPECTROSCOPY
        SCATTERING COEFFICIENTS
        SELF ABSORPTION
        TRANSMISSIVITY
        TRANSPARENCE

ABSTRACTS
  3405
  GS    DOCUMENTS
        #ABSTRACTS
        SUMMARIES
        #ABSTRACTS
  RT    ANNOTATIONS
        BIBLIOGRAPHIES
        INDEXES (DOCUMENTATION)
        INFORMATION RETRIEVAL
        TECHNICAL WRITING

ABUNDANCE
  1306 3408
  UF    ELEMENT ABUNDANCE
  RT    AVAILABILITY
        ENERGY POLICY
        GEOCHEMISTRY
        METALLIC STARS
        METALLICITY
        RESERVES
        RESOURCES
        STELLAR COMPOSITION

AC (CURRENT)
  USE   ALTERNATING CURRENT

AC GENERATORS
  0302 0904
  UF    ALTERNATING CURRENT GENERATORS
        ALTERNATORS (GENERATORS)
  GS    ELECTRIC GENERATORS
        #AC GENERATORS
        ..LINEAR ALTERNATORS
        ..STATIC ALTERNATORS
  RT    COMPULSATORS
        FREE-PISTON ENGINES
     % GENERATORS
        ROTATING GENERATORS
        TURBOGENERATORS

AC-1 AIRCRAFT
  USE   DHC 4 AIRCRAFT

ACCELERATED LIFE TESTS
  1505 3404
  RT    ACCEPTABILITY
        EVALUATION
        FATIGUE LIFE
        LIFE (DURABILITY)
        PERFORMANCE TESTS
        QUALITY CONTROL
        SERVICE LIFE
     % TESTS

ACCELERATING AGENTS
  0602
  RT % ACCELERATORS
        ADMIXTURES
     % AGENTS
        CATALYSTS
        RETARDANTS
```

```
% ACCELERATION
  0101 0201 1202 1901 2103 2311 3006
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   ACCELERATION (PHYSICS)
       ACCELERATION PROTECTION
       ACCELERATION STRESSES (PHYSIOLOGY)
     % ACCELERATORS
       ANGULAR ACCELERATION
       CATALYSIS
       ELECTROMAGNETIC ACCELERATION
       ELECTRON ACCELERATION
       GRAVIMETRY
       HIGH ACCELERATION
       HIGH GRAVITY ENVIRONMENTS
       HUMAN TOLERANCES
       IMPACT ACCELERATION
       PARTICLE ACCELERATION
       PHYSIOLOGICAL ACCELERATION
       PLASMA ACCELERATION
       TRANSVERSE ACCELERATION

ACCELERATION (PHYSICS)
  2308 2311 2405 0102
  UF   BOOST
       G FORCE
  GS   RATES (PER TIME)
       #ACCELERATION (PHYSICS)
       ..ANGULAR ACCELERATION
       ..DECELERATION
       ...SPIN REDUCTION
       ..ELECTRON ACCELERATION
       ..HIGH ACCELERATION
       ..HIGH GRAVITY ENVIRONMENTS
       ..IMPACT ACCELERATION
       ..PARTICLE ACCELERATION
       ..PLASMA ACCELERATION
       ..TRANSVERSE ACCELERATION
  RT % ACCELERATION
       ACCELERATION STRESSES (PHYSIOLOGY)
       ACCELEROMETERS
       BODY KINEMATICS
       EXPULSION
       FLIGHT STRESS (BIOLOGY)
     % FORCE
       KINEMATICS
       KINETICS
       MECHANICAL SHOCK
     % MOTION
       PHYSIOLOGICAL ACCELERATION
       STRESS (PHYSIOLOGY)
       THRUST
       THRUST-WEIGHT RATIO
       VELOCITY

ACCELERATION PROTECTION
  0401 0508 1504 3201
  GS   PROTECTION
       #ACCELERATION PROTECTION
  RT % ACCELERATION
       EMBEDDING
       SUPINE POSITION

ACCELERATION STRESSES (PHYSIOLOGY)
  0401 0408 0502 1309
  GS   STRESS (PHYSIOLOGY)
       #ACCELERATION STRESSES (PHYSIOLOGY)
       ..CENTRIFUGING STRESS
  RT % ACCELERATION
       ACCELERATION (PHYSICS)
       AEROSPACE MEDICINE
       ARTIFICIAL GRAVITY
       BODY KINEMATICS
       GRAVITATIONAL EFFECTS
       GRAVITATIONAL PHYSIOLOGY
       HEAD MOVEMENT
       HIGH ACCELERATION
       LOWER BODY NEGATIVE PRESSURE
       MOTION SICKNESS
       PHYSIOLOGICAL ACCELERATION
       TRANSVERSE ACCELERATION

ACCELERATION TOLERANCE
  0408 1309
  SN   (LIMITED TO ABILITY OF ORGANISMS
       TO WITHSTAND ACCELERATION--FOR
       EFFECTS ON EQUIPMENT, USE SHOCK
       RESISTANCE AND MECHANICAL SHOCK)
  GS   TOLERANCES (PHYSIOLOGY)
       #ACCELERATION TOLERANCE
  RT   BLACKOUT (PHYSIOLOGY)
       BLACKOUT PREVENTION
       CENTRIFUGING STRESS
       GRAVITATIONAL EFFECTS
       HIGH ACCELERATION
       HUMAN CENTRIFUGES
       HUMAN TOLERANCES
     % RESISTANCE

% ACCELERATORS
  2401 2403 2404 2405
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   ACCELERATING AGENTS
     % ACCELERATION
       COAXIAL PLASMA ACCELERATORS
       CYCLIC ACCELERATORS
       CYCLOPS PLASMA ACCELERATOR
       ELECTRON ACCELERATORS
       GEOCYCLOTRONS
       HALL ACCELERATORS
       HYPERVELOCITY GUNS
       ION ACCELERATORS
       LINEAR ACCELERATORS
       MASS DRIVERS
       NIMROD ACCELERATOR
       PARTICLE ACCELERATOR TARGETS
       PARTICLE ACCELERATORS
       PLASMA ACCELERATORS
       RACETRACKS (PARTICLE ACCELERATORS)
       RAILGUN ACCELERATORS
       SEPAC (PAYLOAD)
       STORAGE RINGS (PARTICLE
       ACCELERATORS)
       SYNCHROPHASOTRONS
       VAN DE GRAAFF ACCELERATORS

ACCELEROMETERS
  1309 1402 1406 1410 3501
  GS   MEASURING INSTRUMENTS
       #ACCELEROMETERS
       ..STRAIN GAGE ACCELEROMETERS
  RT   ACCELERATION (PHYSICS)
       GRAVIMETERS
       GRAVIMETRY
       GYROSCOPIC PENDULUMS
       MECHANICAL MEASUREMENT
       PENDULUMS
       SEISMOGRAPHS
       SHOCK MEASURING INSTRUMENTS
       SPEED INDICATORS
       THRUST MEASUREMENT
       VELOCITY MEASUREMENT
       VIBRATION METERS

ACCEPTABILITY
  1505
  UF   ACCEPTANCE
  RT   ACCELERATED LIFE TESTS
       COMPATIBILITY
       EVALUATION
       EXAMINATION
       FIGURE OF MERIT
       INSPECTION
       PERFORMANCE TESTS
       PROVING
       QUALITY CONTROL
       REJECTION
       RELIABILITY
       RISK
       SAMPLES
       STANDARDS
       SUITABILITY
```

```
      % TESTS
        TOLERANCES (MECHANICS)
        TOTAL QUALITY MANAGEMENT
        VALIDITY

ACCEPTANCE
  USE   ACCEPTABILITY

ACCEPTOR MATERIALS
  0903 0905 0906 1002 2602
  GS    SEMICONDUCTORS (MATERIALS)
        #ACCEPTOR MATERIALS
  RT    CARRIER DENSITY (SOLID STATE)
        ELECTRONS
        HOLES (ELECTRON DEFICIENCIES)
      % MATERIALS

ACCESS CONTROL
  0801
  RT    COMMUNICATION NETWORKS
      % CONTROL
        DATA TRANSMISSION
        MULTIPLE ACCESS
        MULTIPLEXING
        RADIO COMMUNICATION
        TELECOMMUNICATION

ACCESS TIME
  0801 0802
  GS    TIME
        #ACCESS TIME
  RT    DATA PROCESSING
        RATES (PER TIME)
        TIME CONSTANT
      % TIME RESPONSE
        TRANSMISSION RATE (COMMUNICATIONS)

ACCESSORIES
  0303 0904 1504 3203
  UF    ATTACHMENTS
  RT  % COMPONENTS
        EXTENSIONS
        FITTINGS
        INSERTS
        SUBASSEMBLIES

ACCIDENT INVESTIGATION
  0502 0506 0508
  GS    INVESTIGATION
        #ACCIDENT INVESTIGATION
        ..AIRCRAFT ACCIDENT INVESTIGATION
  RT    ACCIDENTS
        AUTOMOBILE ACCIDENTS
        WRECKAGE

ACCIDENT PREVENTION
  0502 0506 0508
  UF    PRECAUTIONS
  GS    PREVENTION
        #ACCIDENT PREVENTION
  RT    ACCIDENTS
        AEROSPACE SAFETY
        AIR BAG RESTRAINT DEVICES
        AUTOMOBILE ACCIDENTS
        AVOIDANCE
        FIRE PREVENTION
        HAZARDS
        PROTECTION
        SAFETY
        SAFETY DEVICES
        SAFETY MANAGEMENT
        WARNING
        WARNING SYSTEMS

ACCIDENT PRONENESS
  0408 0502 0506
  RT    SAFETY DEVICES
        SAFETY FACTORS

ACCIDENTS
  0502 0506 0508
  GS   #ACCIDENTS
        .BIRD-AIRCRAFT COLLISIONS
        .LOSS OF COOLANT
  RT    ACCIDENT INVESTIGATION
        ACCIDENT PREVENTION
        AIR BAG RESTRAINT DEVICES
        AIRCRAFT ACCIDENTS
        AUTOMOBILE ACCIDENTS
        CRASH INJURIES
        CRASHES
        DESTRUCTION
        DISASTERS
        EMERGENCIES
        EXPLOSIONS
        FIRES
        FIRST AID
        HAZARDS
        INDUSTRIAL SAFETY
        INJURIES
        SABOTAGE
        SAFETY
        SAFETY DEVICES
        TRAFFIC
        WRECKAGE

ACCLIMATIZATION
  0404 0408
  UF    DEACCLIMATIZATION
  GS    ADAPTATION
        #ACCLIMATIZATION
        ..ALTITUDE ACCLIMATIZATION
        ..COLD ACCLIMATIZATION
        ..HEAT ACCLIMATIZATION
  RT    HOMEOSTASIS
        LIQUID BREATHING
        STRESS (PHYSIOLOGY)
        TOLERANCES (PHYSIOLOGY)

ACCOMMODATION
  0404 2310
  RT    ADAPTATION
        CORRECTION
        EYE (ANATOMY)
        FOCUSING
        VISUAL ACCOMMODATION

ACCOMMODATION COEFFICIENT
  2404 3304
  UF    THERMAL ACCOMMODATION COEFFICIENTS
  GS    COEFFICIENTS
        #ACCOMMODATION COEFFICIENT
  RT    HEAT TRANSFER COEFFICIENTS

ACCOUNTING
  3402
  RT    BUDGETING
        COSTS
        FINANCE

ACCRETION
  USE   DEPOSITION

ACCRETION DISKS
  3001
  RT    ASTROPHYSICS
        BINARY STARS
        BLACK HOLES (ASTRONOMY)
        BLAZARS
        COOLING FLOWS (ASTROPHYSICS)
        DISKS (SHAPES)
        ECLIPSING BINARY STARS
        GALACTIC NUCLEI
        ROTATING DISKS
        STELLAR MASS ACCRETION
        X RAY BINARIES

ACCUMULATIONS
  0602 3407
  RT    ACQUISITION
        AGGLOMERATION
        ASSEMBLIES
        COAGULATION
        COLLECTION
        CONCENTRATING
```

DEPOSITION
FILLING
GROWTH
INCREASING
INPUT
NUCLEATION
SETTLING
STOCKPILING

ACCUMULATORS
0301 0801 0802 2201 2902
UF COLLECTORS
GS #ACCUMULATORS
.ACCUMULATORS (COMPUTERS)
.DUST COLLECTORS
.SOLAR COLLECTORS
RT ANODES
CONCENTRATORS
ENTRAPMENT
FUEL SYSTEMS
PRESSURE VESSELS
PRESSURIZING

ACCUMULATORS (COMPUTERS)
0801 0802 0903
GS ACCUMULATORS
#ACCUMULATORS (COMPUTERS)
COMPUTER STORAGE DEVICES
.REGISTERS (COMPUTERS)
.#ACCUMULATORS (COMPUTERS)
RT ADDING CIRCUITS
COUNTERS
% EQUIPMENT

ACCURACY
1902 3408
UF ERROR BAND
FIDELITY
GS #ACCURACY
.GEODETIC ACCURACY
.GEOMETRIC ACCURACY
RT ANGULAR RESOLUTION
CALIBRATING
CONSISTENCY
CORRECTION
DEFINITION
DRIFT (INSTRUMENTATION)
DYNAMIC CHARACTERISTICS
ERRORS
HIGH RESOLUTION
HYSTERESIS
LINEARITY
% MEASUREMENT
MISS DISTANCE
PRECISION
QUALITY
RANGE ERRORS
RELIABILITY
RESOLUTION
SEQUENTIAL CONTROL
STANDARDS
SURVEYS
% TESTS
TOLERANCES (MECHANICS)
VALIDITY
VIRTUAL PROPERTIES

ACEE PROGRAM
0303
UF AIRCRAFT ENERGY EFFICIENCY PROGRAM
ENERGY EFFICIENCY TRANSPORT PROGRAM
GS PROGRAMS
.NASA PROGRAMS
.#ACEE PROGRAM
RT AIRCRAFT ENGINES
COMBUSTION EFFICIENCY

ACETALDEHYDE
1808
GS ALDEHYDES
#ACETALDEHYDE

ACETALS
1808
GS ETHERS
#ACETALS

ACETANILIDE
0403
UF PHENACETIN
GS NITROGEN COMPOUNDS
.AMIDES
.#ACETANILIDE

ACETATES
0603 1804 1808 1811
GS #ACETATES
.COBALT ACETATES
.LEAD ACETATES
.SODIUM CHLORODIFLUOROACETATES
.TRIACETIN
RT ACETIC ACID
ACETYLSALICYLIC ACID
ESTERS
ETHYLENEDIAMINETETRAACETIC ACIDS

ACETATION
USE ACETYLATION

ACETAZOLAMIDE
0405 0603 1808
GS NITROGEN COMPOUNDS
.AMIDES
.#ACETAZOLAMIDE
ORGANIC COMPOUNDS
.CYCLIC COMPOUNDS
..HETEROCYCLIC COMPOUNDS
...AZOLES
...#ACETAZOLAMIDE
RT CARBONIC ANHYDRASE
DIURETICS

ACETIC ACID
0403 1808
GS ACIDS
.CARBOXYLIC ACIDS
..FATTY ACIDS
..#ACETIC ACID
....ETHYLENEDIAMINETETRAACETIC ACIDS
....IODOACETIC ACID
ORGANIC COMPOUNDS
.CARBOXYLIC ACIDS
..FATTY ACIDS
..#ACETIC ACID
....ETHYLENEDIAMINETETRAACETIC ACIDS
....IODOACETIC ACID
RT ACETATES
ACETYL COMPOUNDS
TRIACETIN

ACETONE
1808
GS KETONES
#ACETONE
RT ACETYLACETONE
PENTANONE

ACETONITRILE
0603 1808
UF ETHANE NITRILE
METHYL CYANIDE
GS CYANIDES
#ACETONITRILE
METHYL COMPOUNDS
#ACETONITRILE
NITRILES
#ACETONITRILE

ACETYL COMPOUNDS
1808
GS ORGANIC COMPOUNDS
#ACETYL COMPOUNDS
..ACETYLACETONE

..ACETYLSALICYLIC ACID
RT ACETIC ACID
ACETYLATION
ALDEHYDES
% CHEMICAL COMPOUNDS
ESTERS

ACETYLACETONE
1808
GS KETONES
#ACETYLACETONE
ORGANIC COMPOUNDS
.ACETYL COMPOUNDS
.#ACETYLACETONE
RT ACETONE
PENTANONE

ACETYLATION
0403 0602
UF ACETATION
GS CHEMICAL REACTIONS
.ACYLATION
.#ACETYLATION
RT ACETYL COMPOUNDS

ACETYLENE
1808
GS ORGANIC COMPOUNDS
.HYDROCARBONS
..ALIPHATIC HYDROCARBONS
...ALKYNES
...#ACETYLENE
RT CYANOACETYLENE
HYDROCARBON FUELS
OXYACETYLENE

ACETYLSALICYLIC ACID
0403 1808
UF ASA
GS ACIDS
.CARBOXYLIC ACIDS
..FATTY ACIDS
..#ACETYLSALICYLIC ACID
ORGANIC COMPOUNDS
.ACETYL COMPOUNDS
.#ACETYLSALICYLIC ACID
.CARBOXYLIC ACIDS
..FATTY ACIDS
..#ACETYLSALICYLIC ACID
RT ACETATES
SALICYLATES

ACHIEVEMENT
0408 0502 3405
RT COMPLETENESS
GOALS
LEARNING

ACHONDRITES
3001 3005
GS CELESTIAL BODIES
.METEORITES
..STONY METEORITES
..#ACHONDRITES
....BONDOC METEORITE
....CHASSIGNITES
....KAPOETA ACHONDRITE
....NAKHLITES
....NORTON COUNTY ACHONDRITE
....SHERGOTTITES
....UREILITES
RT CHONDRITES
IRON METEORITES

ACID BASE EQUILIBRIUM
0601 0602 0603
GS CHEMICAL EQUILIBRIUM
#ACID BASE EQUILIBRIUM
RT % EQUILIBRIUM
HOMEOSTASIS
PH
PH FACTOR
STABILIZATION
THERMODYNAMIC EQUILIBRIUM

ACID RAIN
1301 0411 0504
GS PRECIPITATION (METEOROLOGY)
.RAIN
.#ACID RAIN
RT AIR POLLUTION
ATMOSPHERIC CHEMISTRY
ATMOSPHERIC MOISTURE
CLOUDS (METEOROLOGY)
DEW
METEOROLOGY
PH
RAINSTORMS
SNOW
SULFUR OXIDES

ACIDITY
0601 0603
GS CHEMICAL PROPERTIES
#ACIDITY
RT HYDROGEN IONS
ION CONCENTRATION
PH
TITRATION

ACIDOSIS
0404 0408
RT ALKALOSIS
HYPERVENTILATION
PH
PH FACTOR
TOXICITY

ACIDS
1703 1807
GS #ACIDS
.AMINO ACIDS
..ALANINE
...PHENYLALANINE
..ASPARTIC ACID
..CYSTEINE
..DOPA
..FOLIC ACID
..GLUTAMIC ACID
..GLUTAMINE
..GLYCINE
..HIPPURIC ACID
..HISTIDINE
..LEUCINE
...NORLEUCINE
..LYSINE
..MELANOIDIN
..METHIONINE
..THYROXINE
..TRYPTOPHAN
..TYROSINE
.AMOBARBITAL
.ASCORBIC ACID
.BORIC ACIDS
.BUTYRIC ACID
.CARBONIC ACID
.CARBOXYLIC ACIDS
..ACRYLIC ACID
..ALANINE
..ASPARTIC ACID
..CITRIC ACID
..DICARBOXYLIC ACIDS
..FATTY ACIDS
...ACETIC ACID
....ETHYLENEDIAMINETETRAACETIC ACIDS
....IODOACETIC ACID
...ACETYLSALICYLIC ACID
...BENZILIC ACID
...BENZOIC ACID
...LIPOIC ACID
...OLEIC ACID
...PALMITIC ACID
...PROPIONIC ACID
...SEBACIC ACID

```
      ...VALERIC ACID
      ..FOLIC ACID
      ..FORMHYDROXAMIC ACID
      ..FORMIC ACID
      ..HEXOGENES (TRADEMARK)
      ..LACTIC ACID
      ..LYSINE
      ..NICOTINIC ACID
      ..OXALIC ACID
      ..OXAMIC ACIDS
      ..TRYPTOPHAN
      .CHROMIC ACID
      .CYANURIC ACID
      .CYTIDYLIC ACID
      .HYDRAZOIC ACID
      .HYDROBROMIC ACID
      .HYDROCHLORIC ACID
      .HYDROCYANIC ACID
      .HYDROFLUORIC ACID
      .NITRIC ACID
      .NUCLEIC ACIDS
      ..DEOXYRIBONUCLEIC ACID
      ..RIBONUCLEIC ACIDS
      .OXIDASE
      .PERCHLORIC ACID
      .PHOSPHORIC ACID
      .SULFONIC ACID
      .SULFURIC ACID
      .THYMIDINE
      .THYMINE
      .URIC ACID
      .URIDYLIC ACID
      .XANTHIC ACIDS
  RT  ADRENOCORTICOTROPIN (ACTH)
      ANHYDRIDES
      HYDROGEN COMPOUNDS
      INORGANIC COMPOUNDS
    % OXYGEN COMPOUNDS

ACOUSTIC ATTENUATION
  0710 2301
  GS  ATTENUATION
      .WAVE ATTENUATION
      .#ACOUSTIC ATTENUATION
      ...SHOCK WAVE ATTENUATION
  RT  ACOUSTIC COUPLING
      ACOUSTICS
      ANECHOIC CHAMBERS
      ATMOSPHERIC ATTENUATION
      BIOACOUSTICS
      GRAZING FLOW
      NOISE REDUCTION
      SOUND AMPLIFICATION
      WAVE PROPAGATION
      ZERO SOUND

ACOUSTIC COMBUSTION
  USE COMBUSTION STABILITY

ACOUSTIC COUPLING
  1202 2301 2312
  GS  COUPLING
      #ACOUSTIC COUPLING
  RT  ACOUSTIC ATTENUATION
      ACOUSTIC EXCITATION
      ACOUSTICS
      ENERGY TRANSFER
      SOUND WAVES
      WAVE INTERACTION

ACOUSTIC DELAY LINES
  0801 0902 0906
  UF  SONIC WAVEGUIDES
  GS  DELAY LINES
      #ACOUSTIC DELAY LINES
  RT  COMPUTER STORAGE DEVICES
      DELAY CIRCUITS
      SURFACE ACOUSTIC WAVE DEVICES
      TRANSMISSION LINES

ACOUSTIC DETECTION
  USE SOUND DETECTING AND RANGING

ACOUSTIC DUCTS
  0710 2301
  GS  DUCTS
      #ACOUSTIC DUCTS
  RT  GRAZING FLOW
      NOISE REDUCTION
      SPATIAL MARCHING

ACOUSTIC EMISSION
  1411
  GS  EMISSION
      #ACOUSTIC EMISSION
  RT  ACOUSTIC MEASUREMENT
      CRACK PROPAGATION
      FAILURE ANALYSIS
      FATIGUE TESTING MACHINES
      NONDESTRUCTIVE TESTS
      STRESS WAVES

ACOUSTIC EXCITATION
  0710 2301
  GS  EXCITATION
      .WAVE EXCITATION
      .#ACOUSTIC EXCITATION
  RT  ACOUSTIC COUPLING
      ACOUSTICS
      SOUND AMPLIFICATION
      SURFACE NOISE INTERACTIONS

ACOUSTIC FATIGUE
  0408 2301
  UF  SONIC FATIGUE
  GS  FATIGUE (MATERIALS)
      #ACOUSTIC FATIGUE
  RT  ACOUSTICS

ACOUSTIC FREQUENCIES
  0408 2301
  UF  SOUND FREQUENCIES
  GS  FREQUENCIES
      #ACOUSTIC FREQUENCIES
      ..AUDIO FREQUENCIES
      ...QUEFRENCIES
  RT  ACOUSTIC MEASUREMENT
      ACOUSTIC PROPERTIES
      ACOUSTICS
      FREQUENCY RANGES
      NOISE SPECTRA
      PRESSURE OSCILLATIONS
      RESONANT FREQUENCIES
      SOUND WAVES
      SUBAUDIBLE FREQUENCIES
      ULTRASONIC RADIATION
      WHISPERING GALLERY MODES

ACOUSTIC GENERATORS
  USE SOUND GENERATORS

ACOUSTIC IMAGING
  0710 1407 1601
  GS  IMAGING TECHNIQUES
      #ACOUSTIC IMAGING
      ..ACOUSTICAL HOLOGRAPHY
  RT  ACOUSTIC MEASUREMENT
      ACOUSTIC SCATTERING
      NONDESTRUCTIVE TESTS
      ULTRASONIC FLAW DETECTION

ACOUSTIC IMPEDANCE
  0710 2301
  GS  ACOUSTIC PROPERTIES
      #ACOUSTIC IMPEDANCE
      IMPEDANCE
      #ACOUSTIC IMPEDANCE
  RT  ACOUSTICS
      GRAZING FLOW

ACOUSTIC INSTABILITY
  2301
  GS  ACOUSTIC PROPERTIES
      #ACOUSTIC INSTABILITY
      STABILITY
```

#ACOUSTIC INSTABILITY
RT SIGNAL FADING

ACOUSTIC LEVITATION
1202
GS LEVITATION
#ACOUSTIC LEVITATION
RT BUOYANCY
SPACE PROCESSING

ACOUSTIC MEASUREMENT
2301
SN (MEASUREMENT OF PROPERTIES, QUANTITIES OR CONDITIONS ASSOCIATED WITH ELASTIC WAVES)
UF SOUND MEASUREMENT
GS #ACOUSTIC MEASUREMENT
.NOISE MEASUREMENT
RT ACOUSTIC EMISSION
ACOUSTIC FREQUENCIES
ACOUSTIC IMAGING
AMBIENCE
ANECHOIC CHAMBERS
AUDIO FREQUENCIES
AUDIOMETRY
CEPSTRAL ANALYSIS
EFFECTIVE PERCEIVED NOISE LEVELS
FREQUENCY MEASUREMENT
GRAZING FLOW
% MEASUREMENT
MECHANICAL MEASUREMENT
NOISE METERS
REVERBERATION CHAMBERS
SEISMOGRAPHS
SOUND PRESSURE
SOUND WAVES
ULTRASONIC TESTS

ACOUSTIC MICROSCOPES
1106
UF SCANNING LASER ACOUSTIC MICROSCOPE (SLAM)
GS MICROSCOPES
#ACOUSTIC MICROSCOPES
RT ACOUSTIC PROPAGATION
IMAGING TECHNIQUES
MICROWAVE FREQUENCIES
OPTICAL EQUIPMENT
PHOTOACOUSTIC MICROSCOPY
WAVE PROPAGATION

ACOUSTIC NOZZLES
2301
RT % NOZZLES
SONIC NOZZLES
SOUND GENERATORS

ACOUSTIC PROPAGATION
1202 1203 2301
GS TRANSMISSION
.WAVE PROPAGATION
.#ACOUSTIC PROPAGATION
RT ACOUSTIC MICROSCOPES
ACOUSTICAL HOLOGRAPHY
ACOUSTICS
ELASTIC WAVES
% PROPAGATION
SOUND PROPAGATION
WHISPERING GALLERY MODES

ACOUSTIC PROPERTIES
2301
GS #ACOUSTIC PROPERTIES
.ACOUSTIC IMPEDANCE
.ACOUSTIC INSTABILITY
.ACOUSTIC SCATTERING
..REVERBERATION
.ACOUSTIC VELOCITY
.SOUND INTENSITY
..ZERO SOUND
RT ACOUSTIC FREQUENCIES
FIELD STRENGTH
GRAZING FLOW
LAMB WAVES
MECHANICAL PROPERTIES
% PHYSICAL PROPERTIES
% PROPERTIES
% RESISTANCE
SOUND WAVES
WAVE DISPERSION

ACOUSTIC RADIATION
USE SOUND WAVES

ACOUSTIC RETROFITTING
2301
GS RETROFITTING
#ACOUSTIC RETROFITTING
RT ABSORBERS (MATERIALS)
AERODYNAMIC NOISE
AIRCRAFT DESIGN
AIRCRAFT NOISE
JET AIRCRAFT NOISE
MUFFLERS
NOISE REDUCTION
PROPELLER NOISE
VIBRATION ISOLATORS

ACOUSTIC SCATTERING
0710 2301
GS ACOUSTIC PROPERTIES
#ACOUSTIC SCATTERING
..REVERBERATION
SCATTERING
.WAVE SCATTERING
.#ACOUSTIC SCATTERING
...REVERBERATION
RT ACOUSTIC IMAGING
ACOUSTIC SOUNDING
ACOUSTICS
DEEP SCATTERING LAYERS
RECIPROCITY THEOREM
SODAR
SOUND DETECTING AND RANGING
SURFACE NOISE INTERACTIONS
UNDERWATER ACOUSTICS

ACOUSTIC SIMULATION
0710 1107 2301 3501
GS SIMULATION
.ENVIRONMENT SIMULATION
.#ACOUSTIC SIMULATION
RT ELASTIC WAVES
FLIGHT SIMULATION
REVERBERATION CHAMBERS

ACOUSTIC SOUNDING
1302 1308 2002 2003 2301 3108
GS SOUNDING
#ACOUSTIC SOUNDING
RT ACOUSTIC SCATTERING
ACOUSTICS
EARTH ATMOSPHERE
METEOROLOGY
ROCKET SOUNDING
ROCKET VEHICLES
SOUNDING ROCKETS
ULTRASONIC TESTS
UNDERGROUND ACOUSTICS
UPPER ATMOSPHERE

ACOUSTIC STABILITY
USE FREQUENCY STABILITY

ACOUSTIC STREAMING
0710 1202 2301
RT FLUID FLOW
FLUID SWITCHING ELEMENTS
FRAGMENTATION
SOUND WAVES
STREAMLINING

ACOUSTIC VELOCITY
0710 2301
UF SONIC SPEED

SOUND BARRIER
SOUND VELOCITY
GS ACOUSTIC PROPERTIES
#ACOUSTIC VELOCITY
RATES (PER TIME)
#ACOUSTIC VELOCITY
VELOCITY
#ACOUSTIC VELOCITY
RT % BARRIERS
EXHAUST VELOCITY
GUTENBERG ZONE
MACH CONES
MACH NUMBER
SONIC BOOMS
SOUND PRESSURE
SUBSONIC SPEED
SUPERSONIC SPEED
TRANSONIC SPEED

ACOUSTIC VIBRATIONS
USE SOUND WAVES

ACOUSTICAL HOLOGRAPHY
0710 1407 1601
UF SONOHOLOGRAPHY
SOUND HOLOGRAPHY
GS IMAGERY
.HOLOGRAPHY
.#ACOUSTICAL HOLOGRAPHY
IMAGING TECHNIQUES
.ACOUSTIC IMAGING
.#ACOUSTICAL HOLOGRAPHY
PHOTOGRAPHY
.HOLOGRAPHY
.#ACOUSTICAL HOLOGRAPHY
RT ACOUSTIC PROPAGATION
IMAGING TECHNIQUES
SOUND WAVES
WAVE FRONT RECONSTRUCTION

ACOUSTICS
1202 2301 2312
UF SOUND
GS #ACOUSTICS
.AEROACOUSTICS
.BIOACOUSTICS
.ELECTROACOUSTICS
.GEOMETRICAL ACOUSTICS
.MAGNETOACOUSTICS
.MICROSONICS
.PSYCHOACOUSTICS
.UNDERWATER ACOUSTICS
RT ACOUSTIC ATTENUATION
ACOUSTIC COUPLING
ACOUSTIC EXCITATION
ACOUSTIC FATIGUE
ACOUSTIC FREQUENCIES
ACOUSTIC IMPEDANCE
ACOUSTIC PROPAGATION
ACOUSTIC SCATTERING
ACOUSTIC SOUNDING
ANECHOIC CHAMBERS
ARCHITECTURE
AUDIO TAPES
AUDITORY PERCEPTION
AUDITORY STIMULI
AUDITORY TASKS
COMFORT
EARPHONES
ECHOES
EFFECTIVE PERCEIVED NOISE LEVELS
ELASTIC WAVES
HARMONIC EXCITATION
HARMONIC GENERATIONS
HARMONIC OSCILLATION
HARMONICS
HUM
INFRASONIC FREQUENCIES
LAMB WAVES
LAME WAVE EQUATIONS
LOUDNESS
NOISE (SOUND)
NOISE POLLUTION
NOISE PROPAGATION
NOISE REDUCTION
OCTAVES
OPACITY
PHONETICS
POWER SPECTRA
% SCIENCE
SIMPLE HARMONIC MOTION
SONIC ANEMOMETERS
SOUND AMPLIFICATION
SOUND FIELDS
SOUND PROPAGATION
SOUND TRANSMISSION
SOUND WAVES
SPEECH
STEREOPHONICS
ULTRASONIC CLEANING
ULTRASONIC SCANNERS
ULTRASONICS
VERBAL COMMUNICATION
VIBRATION
VIBRATION DAMPING
VOICE COMMUNICATION
ZERO SOUND

ACOUSTO-OPTICS
2310
RT BRAGG CELLS
CRYSTAL OPTICS
ELECTRO-OPTICS
GEOMETRICAL OPTICS
IMAGERY
MAGNETO-OPTICS
OPTICAL PROPERTIES
OPTICAL SWITCHING
% OPTICS
PHOTOACOUSTIC MICROSCOPY
PHOTOACOUSTIC SPECTROSCOPY

ACPL (SPACELAB)
USE ATMOSPHERIC CLOUD PHYSICS LAB
(SPACELAB)

ACQUIRED IMMUNODEFICIENCY SYNDROME
0405
UF AIDS (DISEASE)
GS DISEASES
.INFECTIOUS DISEASES
..VIRAL DISEASES
..#ACQUIRED IMMUNODEFICIENCY
SYNDROME
SIGNS AND SYMPTOMS
#ACQUIRED IMMUNODEFICIENCY SYNDROME
RT ANTIBODIES
HEPATITIS
HUMAN IMMUNODEFICIENCY VIRUS
IMMUNE SYSTEMS
IMMUNOLOGY
INTERFERON
MENINGITIS
PHYSIOLOGICAL DEFENSES
PNEUMONIA
VACCINES

ACQUISITION
0708 0709 3407
GS #ACQUISITION
.DATA ACQUISITION
.TARGET ACQUISITION
RT ACCUMULATIONS
COLLECTION
DETECTION
DOCUMENTATION
% RECEIVING
RECOGNITION

ACRIFLAVINE
0403 0405 1808
GS ORGANIC COMPOUNDS
.CYCLIC COMPOUNDS
..HETEROCYCLIC COMPOUNDS
..#ACRIFLAVINE

```
  RT    ANTISEPTICS
        DYES

ACROBATICS (AIRCRAFT)
  USE   AEROBATICS

ACROLEINS
  0403 1808
  GS    ALDEHYDES
        #ACROLEINS
  RT    TOXICITY AND SAFETY HAZARD

ACRYLATES
  1808
  GS    ESTERS
        #ACRYLATES
  RT    RESINS

ACRYLIC ACID
  1808
  GS    ACIDS
        .CARBOXYLIC ACIDS
        .#ACRYLIC ACID
        ORGANIC COMPOUNDS
        .CARBOXYLIC ACIDS
        .#ACRYLIC ACID

ACRYLIC RESINS
  1810
  UF    METHACRYLATE RESINS
        POLYACRYLATES
  GS    PLASTICS
        .SYNTHETIC RESINS
        ..ADDITION RESINS
        ..#ACRYLIC RESINS
        RESINS
        .SYNTHETIC RESINS
        ..ADDITION RESINS
        ..#ACRYLIC RESINS
  RT    LATEX
        POLYACRYLONITRILE
        THERMOPLASTIC RESINS

ACRYLONITRILES
  1808 1810
  UF    VINYL CYANIDE
  GS    NITRILES
        #ACRYLONITRILES
        ..POLYACRYLONITRILE
  RT    PLASTICS

ACTH
  USE   ADRENOCORTICOTROPIN (ACTH)

ACTINIDE SERIES
  0603 1703 2406
  GS    CHEMICAL ELEMENTS
        #ACTINIDE SERIES
        ..ACTINIUM
        ..RADIUM
        ...RADIUM ISOTOPES
        ....RADIUM 226
        ..THORIUM
        ...THORIUM ISOTOPES
        ..TRANSURANIUM ELEMENTS
        ...AMERICIUM
        ....AMERICIUM ISOTOPES
        .....AMERICIUM 241
        ...BERKELIUM
        ...CALIFORNIUM
        ....CALIFORNIUM ISOTOPES
        ...CURIUM
        ....CURIUM ISOTOPES
        .....CURIUM 242
        .....CURIUM 244
        ...EINSTEINIUM
        ...FERMIUM
        ...LAWRENCIUM
        ...MENDELEVIUM
        ...NEPTUNIUM
        ....NEPTUNIUM ISOTOPES
        ...NOBELIUM
        ...PLUTONIUM
        ....PLUTONIUM ISOTOPES
        .....PLUTONIUM 238
        .....PLUTONIUM 239
        .....PLUTONIUM 240
        .....PLUTONIUM 241
        .....PLUTONIUM 244
        ...SERGENIUM
        ..URANIUM
        ...URANIUM ISOTOPES
        ....URANIUM 232
        ....URANIUM 233
        ....URANIUM 234
        ....URANIUM 235
        ....URANIUM 238
        METALS
        #ACTINIDE SERIES
        ..ACTINIUM
        ..RADIUM
        ...RADIUM ISOTOPES
        ....RADIUM 226
        ..THORIUM
        ...THORIUM ISOTOPES
        ..TRANSURANIUM ELEMENTS
        ...AMERICIUM
        ....AMERICIUM ISOTOPES
        .....AMERICIUM 241
        ...BERKELIUM
        ...CALIFORNIUM
        ....CALIFORNIUM ISOTOPES
        ...CURIUM
        ....CURIUM ISOTOPES
        .....CURIUM 242
        .....CURIUM 244
        ...EINSTEINIUM
        ...FERMIUM
        ...LAWRENCIUM
        ...MENDELEVIUM
        ...NEPTUNIUM
        ....NEPTUNIUM ISOTOPES
        ...NOBELIUM
        ...PLUTONIUM
        ....PLUTONIUM ISOTOPES
        .....PLUTONIUM 238
        .....PLUTONIUM 239
        .....PLUTONIUM 240
        .....PLUTONIUM 241
        .....PLUTONIUM 244
        ...SERGENIUM
        ..URANIUM
        ...URANIUM ISOTOPES
        ....URANIUM 232
        ....URANIUM 233
        ....URANIUM 234
        ....URANIUM 235
        ....URANIUM 238
  RT    RADIOACTIVE ISOTOPES
        RADIOACTIVE MATERIALS
        TRANSITION METALS

ACTINIDE SERIES COMPOUNDS
  0603 1804
  GS   #ACTINIDE SERIES COMPOUNDS
        .CALIFORNIUM COMPOUNDS
        .CURIUM COMPOUNDS
        .EINSTEINIUM COMPOUNDS
        .NEPTUNIUM COMPOUNDS
        .PLUTONIUM COMPOUNDS
        ..PLUTONIUM FLUORIDES
        ..PLUTONIUM OXIDES
        .THORIUM COMPOUNDS
        ..THORIUM FLUORIDES
        ..THORIUM OXIDES
        .URANIUM COMPOUNDS
        ..URANIUM CARBIDES
        ..URANIUM FLUORIDES
        ..URANIUM OXIDES
  RT % CHEMICAL COMPOUNDS
     % GROUP 3B COMPOUNDS

ACTINIUM
  0603 1703 2406
  GS    CHEMICAL ELEMENTS
```

```
      .ACTINIDE SERIES
      .#ACTINIUM
      METALS
      .ACTINIDE SERIES
      .#ACTINIUM

ACTINOGRAPHS
  USE  ACTINOMETERS

ACTINOMETERS
  0411 0605 1408 2902
  UF   ACTINOGRAPHS
       EMISSOGRAPHS
  GS   MEASURING INSTRUMENTS
       .RADIATION MEASURING INSTRUMENTS
       .#ACTINOMETERS
       ...INFRARED SPECTROMETERS
       ...PYRANOMETERS
       ...RADIOMETERS
       ....DICKE RADIOMETERS
       ....INFRARED DETECTORS
       .....INFRARED RADIOMETERS
       ....INFRARED SCANNERS
       ....MICROWAVE RADIOMETERS
       ....PASSIVE L-BAND RADIOMETERS
       ....PRESSURE MODULATOR RADIOMETERS
       ....SPECTRORADIOMETERS
       ...SOLAR SPECTROMETERS
       ...SPECTROHELIOGRAPHS
       ...SPECTROPHOTOMETERS
       ....INFRARED SPECTROPHOTOMETERS
       ....ULTRAVIOLET SPECTROPHOTOMETERS
       ...ULTRAVIOLET DETECTORS
       ....ULTRAVIOLET SPECTROMETERS
       .....TOTAL OZONE MAPPING
            SPECTROMETER
       ....ULTRAVIOLET SPECTROPHOTOMETERS
       ...X RAY DETECTORS
  RT   DOSIMETERS
       FABRY-PEROT SPECTROMETERS
       FIELD INTENSITY METERS
       SPECTROMETERS

ACTINOMYCETES
  0404 0407
  GS   MICROORGANISMS
       .BACTERIA
       .#ACTINOMYCETES

ACTINOMYCIN
  0404 0407
  GS   DRUGS
       .ANTIBIOTICS
       .#ACTINOMYCIN

ACTIVATED CARBON
  0603
  GS   CHARCOAL
       #ACTIVATED CARBON
  RT % ABSORPTION
       CARBON
       FILTRATION
       HEMOPERFUSION
       WATER TREATMENT

ACTIVATED SLUDGE
  0403
  GS   SLUDGE
       #ACTIVATED SLUDGE
  RT   BIODEGRADATION
       HUMAN WASTES
       METABOLIC WASTES
       SEWAGE
       WASTES

ACTIVATION
  0601 1504 2202 2406 3407
  RT   ACTUATION
       CATALYSIS
       DEACTIVATION
       ELECTROMAGNETIC ABSORPTION
       EXCITATION
       FLOTATION
       INITIATION
       IONIZATION POTENTIALS
       IRRADIATION
       MICROWAVE ABSORPTION
       SENSITIZING
       STARTING
       STIMULATION

ACTIVATION (BIOLOGY)
  0403 0404 0408
  RT   ACTIVATION ENERGY
     % BIOLOGY
     % CELLS
       ENZYMES
       STIMULATION

ACTIVATION ANALYSIS
  2403 2404 2405
  GS  #ACTIVATION ANALYSIS
       .NEUTRON ACTIVATION ANALYSIS
  RT % ANALYZING

ACTIVATION ENERGY
  0602 0603 2401 2405
  RT   ACTIVATION (BIOLOGY)
       DAMKOHLER NUMBER
       ELECTRON ENERGY
     % ENERGY
       HEAT
       NUCLEAR BINDING ENERGY
       NUCLEAR CAPTURE
       PROTON ENERGY
       ROTONS
       SURFACE ENERGY

ACTIVE CONTROL
  0802
  GS   AUTOMATIC CONTROL
       .ADAPTIVE CONTROL
       .#ACTIVE CONTROL
  RT   AEROSERVOELASTICITY
       AIRCRAFT CONTROL
     % CONTROL
       INTERACTIVE CONTROL
       SELF ADAPTIVE CONTROL SYSTEMS
       SELF ALIGNMENT
       SERVOMECHANISMS
       SMART STRUCTURES

ACTIVE GALACTIC NUCLEI
  2405 3001
  GS   GALACTIC NUCLEI
       #ACTIVE GALACTIC NUCLEI
  RT   ACTIVE GALAXIES
       BLAZARS
       GALACTIC RADIATION
     % NUCLEI
       QUASARS
       RADIO GALAXIES
       SEYFERT GALAXIES

ACTIVE GALAXIES
  3001 3009
  GS   CELESTIAL BODIES
       .GALAXIES
       .#ACTIVE GALAXIES
       ...MARKARIAN GALAXIES
       ...RADIO GALAXIES
       ...SEYFERT GALAXIES
  RT   ACTIVE GALACTIC NUCLEI
       BLAZARS
       GALACTIC NUCLEI
       GALACTIC RADIATION
       QUASARS

ACTIVE GLACIERS
  USE  GLACIERS

ACTIVE MAGNETO PARTICLE TRACER EXPLORERS
  USE  AMPTE (SATELLITES)

ACTIVE SATELLITES
```

```
  0707 2004 3409
  GS   ARTIFICIAL SATELLITES
       #ACTIVE SATELLITES
       ..SYNCOM SATELLITES
       ...EARLY BIRD SATELLITES
       ...SYNCOM 1 SATELLITE
       ...SYNCOM 2 SATELLITE
       ...SYNCOM 3 SATELLITE
  RT   ADVENT PROJECT
       EXPLORER 29 SATELLITE
       EXPLORER 36 SATELLITE
       GEODETIC SATELLITES
       GEOS 1 SATELLITE
       GEOS 2 SATELLITE
       GEOS 3 SATELLITE
       NAVIGATION SATELLITES
       NAVSTAR SATELLITES
       PASSIVE SATELLITES
       SYNCHRONOUS SATELLITES

ACTIVE VOLCANOES
  USE  VOLCANOES

% ACTIVITY
  0603 2311 3406 3408
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   ACTIVITY (BIOLOGY)
       EXTRAVEHICULAR ACTIVITY
       FACULAE
       INTRAVEHICULAR ACTIVITY
       RADIOACTIVITY
       SOLAR ACTIVITY

ACTIVITY (BIOLOGY)
  0408
  UF   BIOLOGICAL ACTIVITY
  RT % ACTIVITY
       BIOLOGICAL EFFECTS
     % BIOLOGY
       CATALYTIC ACTIVITY

ACTIVITY CYCLES (BIOLOGY)
  0403 0404 0408
  GS   CYCLES
       #ACTIVITY CYCLES (BIOLOGY)
  RT % BIOLOGY
       CIRCADIAN RHYTHMS
       PHENOLOGY
       RHYTHM (BIOLOGY)

ACTS
  0702 0706 3107
  SN   (ADVANCED COMMUNICATIONS
       TECHNOLOGY SATELLITE)
  UF   ADVANCED COMMUNICATIONS TECHNOLOGY
       SAT
  GS   ARTIFICIAL SATELLITES
       .COMMUNICATION SATELLITES
       .#ACTS
  RT   EXTREMELY HIGH FREQUENCIES
       MICROWAVE TRANSMISSION
       SATELLITE COMMUNICATION

ACTUATION
  0603 1504
  RT   ACTIVATION
       ACTUATORS
       EXCITATION
       INITIATION
       NUTATION
       SENSITIZING
       STARTING
       STIMULATION

ACTUATOR DISKS
  0303 1504
  GS   DISKS (SHAPES)
       #ACTUATOR DISKS
  RT % DISKS
     % FANS
       PROPELLERS

ACTUATORS
  0303 1201
  UF   CARTRIDGE ACTUATED DEVICES
       HYDRAULIC ACTUATORS
       TRIGGERS
  RT   ACTUATION
       AEROSERVOELASTICITY
       AIRCRAFT HYDRAULIC SYSTEMS
       AUTOMATIC CONTROL VALVES
       CAMS
       CONTROL VALVES
       CONTROLLERS
     % EFFECTORS
       EXPLOSIVE DEVICES
     % INSTRUMENTS
       MISSILE CONTROL
       PROPELLANT ACTUATED INSTRUMENTS
       REGULATORS
       SERVOMECHANISMS
       SERVOMOTORS
       SHAPE CONTROL
       SOLENOIDS
       STARTERS
       STEPPING MOTORS
       TORQUE MOTORS

ACUITY
  0408
  GS   #ACUITY
       .VISUAL ACUITY
       ..HYPEROPIA
  RT   ADAPTATION
       DISCRIMINATION
     % FREQUENCY RESPONSE
       PERCEPTION
       SENSITIVITY
       THRESHOLDS (PERCEPTION)

ACYLATION
  0601 0602
  GS   CHEMICAL REACTIONS
       #ACYLATION
       ..ACETYLATION
  RT   FRIEDEL-CRAFT REACTION

AD-A SATELLITE
  USE  EXPLORER 19 SATELLITE

AD/I B
  USE  EXPLORER 25 SATELLITE

AD/I SATELLITE
  USE  EXPLORER 24 SATELLITE

ADA (PROGRAMMING LANGUAGE)
  0802
  GS   LANGUAGES
       .PROGRAMMING LANGUAGES
       ..HIGH LEVEL LANGUAGES
       ..#ADA (PROGRAMMING LANGUAGE)
  RT   COMPUTER PROGRAMMING
       EMBEDDED COMPUTER SYSTEMS
       OBJECT-ORIENTED PROGRAMMING

ADAPTATION
  0408 0506 2311 3406 3407
  GS   #ADAPTATION
       .ACCLIMATIZATION
       ..ALTITUDE ACCLIMATIZATION
       ..COLD ACCLIMATIZATION
       ..HEAT ACCLIMATIZATION
       .DESERT ADAPTATION
       .RETINAL ADAPTATION
       ..DARK ADAPTATION
       ..LIGHT ADAPTATION
  RT   ACCOMMODATION
       ACUITY
       CORRECTION
       FITTING
       HIBERNATION
       HOMEOSTASIS
```

PERCEPTION
REACTION TIME
RETRAINING
SENSITIVITY
THRESHOLDS (PERCEPTION)
VISION

ADAPTERS
1504 3203
GS #ADAPTERS
.MULTIPLE DOCKING ADAPTERS
RT CONNECTORS
EXTENSIONS
FITTINGS
JOINTS (JUNCTIONS)

ADAPTIVE CONTROL
0802 1003 1905 2102
UF ADAPTIVE CONTROL SYSTEMS
GS AUTOMATIC CONTROL
#ADAPTIVE CONTROL
..ACTIVE CONTROL
..MACHINE LEARNING
..MODEL REFERENCE ADAPTIVE CONTROL
..SELF ADAPTIVE CONTROL SYSTEMS
RT AUTOMATA THEORY
AUTONOMY
% CONTROL
CONTROL THEORY
CYBERNETICS
DYNAMIC CONTROL
FEEDBACK CONTROL
FEEDFORWARD CONTROL
MISSION ADAPTIVE WINGS
OPTIMAL CONTROL
ROBOT CONTROL
SAMPLED DATA SYSTEMS
SELF ALIGNMENT
SMART STRUCTURES

ADAPTIVE CONTROL SYSTEMS
USE ADAPTIVE CONTROL

ADAPTIVE FILTERS
1001 1003
RT BANDPASS FILTERS
BANDSTOP FILTERS
ELECTRIC FILTERS
ELECTROMAGNETIC WAVE FILTERS
% FILTERS
LINEAR FILTERS
OPTICAL FILTERS
TRACKING FILTERS

ADAPTIVE OPTICS
2310
RT ATMOSPHERIC OPTICS
COMPUTER TECHNIQUES
FEEDBACK CONTROL
IMAGING TECHNIQUES
INSTRUMENT COMPENSATION
OPTICAL CORRECTION PROCEDURE
OPTICAL TRANSFER FUNCTION
% OPTICS
SELF ADAPTIVE CONTROL SYSTEMS

ADDERS (CIRCUITS)
USE ADDING CIRCUITS

ADDING CIRCUITS
0801 1201
UF ADDERS (CIRCUITS)
BINARY SUMMATORS
GS CIRCUITS
#ADDING CIRCUITS
RT ACCUMULATORS (COMPUTERS)
BINARY INTEGRATION
COMPUTER COMPONENTS
LOGIC CIRCUITS

ADDITION
1902
RT ADDITION THEOREM
AMOUNT
ARITHMETIC
COMPUTATION
NUMBER THEORY
RESTORATION

ADDITION RESINS
1810 1811
SN (CARBON CHAIN POLYMERS--FOR
HETEROATOM CHAIN POLYMERS, USE
POLYETHER RESINS)
GS PLASTICS
.SYNTHETIC RESINS
.#ADDITION RESINS
...ACRYLIC RESINS
...VINYL COPOLYMERS
RESINS
.SYNTHETIC RESINS
.#ADDITION RESINS
...ACRYLIC RESINS
...VINYL COPOLYMERS
RT CROSSLINKING
POLYBUTADIENE
POLYETHYLENE TEREPHTHALATE
POLYETHYLENES
POLYISOBUTYLENE
POLYPROPYLENE
POLYSTYRENE
POLYVINYL ALCOHOL
POLYVINYL CHLORIDE
SYNTHESIS (CHEMISTRY)
SYNTHETIC FIBERS
VULCANIZED ELASTOMERS

ADDITION THEOREM
1902
GS NUMBER THEORY
#ADDITION THEOREM
THEOREMS
#ADDITION THEOREM
RT ADDITION

ADDITIVES
1704 1805
UF DOPING (ADDITIVES)
GS #ADDITIVES
.ADMIXTURES
.ANTIFREEZES
.ANTIICING ADDITIVES
.ANTIKNOCK ADDITIVES
.ANTIOXIDANTS
.OIL ADDITIVES
.OPACIFIERS
.PLASTICIZERS
.PROPELLANT ADDITIVES
..PROPELLANT BINDERS
...SOLID ROCKET BINDERS
RT % AGENTS
ALLOYING
ANTIMISTING FUELS
BINDERS (MATERIALS)
CARRIER INJECTION
CATALYSTS
COATINGS
DILUENTS
DOPES
FILLERS
HIGH ENERGY FUELS
INHIBITORS
INTERSTITIALS
LUBRICANTS
MAJORITY CARRIERS
MINORITY CARRIERS
MODULATION DOPING
NEUTRALIZERS
PIGMENTS
PRESERVATIVES
RETARDANTS
SOLVENTS
STABILIZERS (AGENTS)
SUPPRESSORS
TETRAHYDROFURAN

```
        THICKENERS (MATERIALS)
        TRAVELING SOLVENT METHOD
        VINYL COPOLYMERS

ADDRESSING
  0801 0802
  RT    CODING
        COMPUTER PROGRAMMING

ADDUCTS
  0603
  RT % CHEMICAL COMPOUNDS

ADEN
  USE   SOUTHERN YEMEN

ADENINES
  0403 1808
  GS    BASES (CHEMICAL)
        #ADENINES
        ORGANIC COMPOUNDS
        .CARBOHYDRATES
        ..GLUCOSIDES
        ...NUCLEOSIDES
        ...#ADENINES
        .CYCLIC COMPOUNDS
        ..HETEROCYCLIC COMPOUNDS
        ...PURINES
        ...#ADENINES
        .NUCLEOTIDES
        .#ADENINES
        PHOSPHORUS COMPOUNDS
        .PHOSPHATES
        .#ADENINES
  RT    RIBONUCLEIC ACIDS

ADENOSINE DIPHOSPHATE
  0403 1808
  UF    ADP
  GS    ORGANIC COMPOUNDS
        .COENZYMES
        .#ADENOSINE DIPHOSPHATE
        .CYCLIC COMPOUNDS
        ..HETEROCYCLIC COMPOUNDS
        ...ADENOSINES
        ...#ADENOSINE DIPHOSPHATE
        .NUCLEOTIDES
        ..ADENOSINES
        ..#ADENOSINE DIPHOSPHATE
        PHOSPHORUS COMPOUNDS
        .PHOSPHATES
        ..DIPHOSPHATES
        ..#ADENOSINE DIPHOSPHATE

ADENOSINE TRIPHOSPHATE
  0403 1808
  UF    ATP
  GS    ORGANIC COMPOUNDS
        .COENZYMES
        .#ADENOSINE TRIPHOSPHATE
        .CYCLIC COMPOUNDS
        ..HETEROCYCLIC COMPOUNDS
        ...ADENOSINES
        ...#ADENOSINE TRIPHOSPHATE
        .NUCLEOTIDES
        ..ADENOSINES
        ..#ADENOSINE TRIPHOSPHATE
        PHOSPHORUS COMPOUNDS
        .PHOSPHATES
        .#ADENOSINE TRIPHOSPHATE
  RT    AMINO ACIDS

ADENOSINES
  0403 1808
  GS    ORGANIC COMPOUNDS
        .CYCLIC COMPOUNDS
        ..HETEROCYCLIC COMPOUNDS
        ..#ADENOSINES
        ....ADENOSINE DIPHOSPHATE
        ....ADENOSINE TRIPHOSPHATE
        ....CYCLIC AMP
        .NUCLEOTIDES
        .#ADENOSINES
        ...ADENOSINE DIPHOSPHATE
        ...ADENOSINE TRIPHOSPHATE
        ...CYCLIC AMP

ADENOVIRUSES
  0405 0407
  GS    MICROORGANISMS
        .VIRUSES
        .#ADENOVIRUSES

ADEQUACY
  3408
  RT    QUALITY
        VALIDITY

ADHEROMETERS
  USE   ADHESION TESTS

ADHESION
  2311 2404 3408
  GS    SURFACE PROPERTIES
        #ADHESION
  RT    ADHESION TESTS
        ADHESIVE BONDING
        AGGLUTINATION
        BONDING
        COLD WELDING
        FUSION (MELTING)
        INTERFACIAL ENERGY
        INTERNAL PRESSURE
      % JOINING
        METAL BONDING
        PEELING
        SEALING
        SPREADING
        TACKINESS
        TRACTION
        WETTABILITY

ADHESION TESTS
  2311 2404 3408
  UF    ADHEROMETERS
        FOKKER BOND TESTERS
  RT    ADHESION
        BONDING
        NONDESTRUCTIVE TESTS
      % TESTS
        WETTABILITY

ADHESIVE BONDING
  0603 1507 1704
  GS    BONDING
        #ADHESIVE BONDING
  RT    ADHESION
        AGGLUTINATION
        BONDED JOINTS
        CEMENTATION
      % JOINING
        METAL BONDING
        METAL-METAL BONDING
        RESIN BONDING
        SEALING

ADHESIVES
  0403 1804 1808
  UF    BINDERS (ADHESIVES)
  GS   #ADHESIVES
        .GLUES
        .PASTES
        .TETRAETHYL ORTHOSILICATE
  RT    AGGLUTINATION
        ALKYD RESINS
        BINDERS (MATERIALS)
        CEMENTS
        EPOXY RESINS
        FASTENERS
        FURAN RESINS
        JOINTS (JUNCTIONS)
        METAL-METAL BONDING
        PHENOLIC EPOXY RESINS
        PLASTIC TAPES
        SEALERS
```

```
      SEAMS (JOINTS)
    % TAPES

ADI METHODS
  USE  ALTERNATING DIRECTION IMPLICIT
       METHODS

ADIABATIC CONDITIONS
  1202 1203 3304
  GS   CONDITIONS
       #ADIABATIC CONDITIONS
  RT   CARNOT CYCLE
       COMPRESSING
       ENTHALPY
       ENVIRONMENTS
       EXPANSION
       ISENTROPE
       ISOENERGETIC PROCESSES
       ISOTHERMAL PROCESSES
       POLYTROPIC PROCESSES
       TEMPERATURE
       THERMAL ENVIRONMENTS
       THERMODYNAMIC CYCLES
       THERMODYNAMIC EQUILIBRIUM

ADIABATIC DEMAGNETIZATION COOLING
  1202
  RT   MAGNETIC COOLING

ADIABATIC EQUATIONS
  1202 1203 3304
  RT % EQUATIONS
       EQUATIONS OF STATE
       HEAT TRANSMISSION
       NONADIABATIC THEORY
       SHOCK WAVES

ADIABATIC FLOW
  1202
  GS   FLUID FLOW
       #ADIABATIC FLOW
  RT   STAGNATION TEMPERATURE

ADIPOSE TISSUES
  0404 0408
  GS   TISSUES (BIOLOGY)
       #ADIPOSE TISSUES
  RT   CONNECTIVE TISSUE
       FATS

ADIPRENE (TRADEMARK)
  1810
  GS   RUBBER
       .SYNTHETIC RUBBERS
       .#ADIPRENE (TRADEMARK)

ADIRONDACK MOUNTAINS (NY)
  1305 1306
  GS   LANDFORMS
       .MOUNTAINS
       .#ADIRONDACK MOUNTAINS (NY)
  RT   NEW YORK

ADJOINTS
  1902
  GS   ALGEBRA
       .VECTOR SPACES
       ..MATRICES (MATHEMATICS)
       ..#ADJOINTS
  RT   DATA PROCESSING
       NUMERICAL ANALYSIS

ADJUSTING
  3407
  UF   ADJUSTMENT
       READJUSTMENT
  RT   ALIGNMENT
       CLEARANCES
       COLLIMATION
       CORRECTION
       FITTING
       FOCUSING
       LEVELING
       MATCHING
       OPTICAL CORRECTION PROCEDURE
       POSITIONING
       REVISIONS
     % SETTING
       SMOOTHING

ADJUSTMENT
  USE  ADJUSTING

ADMINISTRATION
  USE  MANAGEMENT

ADMITTANCE
  USE  ELECTRICAL IMPEDANCE

ADMIXTURES
  0602 1805
  GS   ADDITIVES
       #ADMIXTURES
       MIXTURES
       #ADMIXTURES
  RT   ACCELERATING AGENTS
       CATALYSTS
     % COMBINATION
       CONCRETES
       FORMULATIONS
       INGREDIENTS
       MIXERS
       MORTARS (MATERIAL)
       SURFACTANTS

ADOBE FLATS
  USE  FLATS (LANDFORMS)

ADP
  USE  ADENOSINE DIPHOSPHATE

ADRENAL GLAND
  0404 0408
  GS   ANATOMY
       .GLANDS (ANATOMY)
       ..ENDOCRINE GLANDS
       ..#ADRENAL GLAND
  RT   ADRENOCORTICOTROPIN (ACTH)
       EPINEPHRINE

ADRENAL METABOLISM
  0403 0404 0408
  GS   METABOLISM
       #ADRENAL METABOLISM
  RT   ALDOSTERONE
       CORTICOSTEROIDS
       CORTISONE
       HYDROXYCORTICOSTEROID

ADRENALINE
  USE  EPINEPHRINE

ADRENERGICS
  0403 0404 0405
  UF   SYMPATHOMIMETICS
  GS   DRUGS
       #ADRENERGICS
  RT   ANTIADRENERGICS
       ANTICOAGULANTS
       CYCLIC AMP

ADRENOCORTICOTROPIN (ACTH)
  0403 0404 1808
  UF   ACTH
  GS   SECRETIONS
       .ENDOCRINE SECRETIONS
       ..HORMONES
       ...PITUITARY HORMONES
       ...#ADRENOCORTICOTROPIN (ACTH)
  RT   ACIDS
       ADRENAL GLAND
       AMINO ACIDS
       PROTEINS

ADRIATIC SEA
```

1305 1310
GS SEAS
.MEDITERRANEAN SEA
.#ADRIATIC SEA
RT ITALY
YUGOSLAVIA

ADSORBENTS
1804 1808
GS SORBENTS
#ADSORBENTS
RT ABSORBENTS
ADSORPTION
AIR CONDITIONING EQUIPMENT
CHARCOAL
DESICCANTS
HEMOPERFUSION

ADSORPTION
0403 0603 2311
GS SORPTION
#ADSORPTION
..CHEMISORPTION
RT % ABSORPTION
ADSORBENTS
ADSORPTIVITY
BENEFICIATION
CHROMATOGRAPHY
CONCENTRATING
DESORPTION
DIFFUSION
ELECTROSTATIC PRECIPITATORS
ELUTION
GAS CHROMATOGRAPHY
GAS-METAL INTERACTIONS
GIBBS ADSORPTION EQUATION
% SEPARATION
WATER TREATMENT

ADSORPTIVITY
0602 2311 3408
GS SURFACE PROPERTIES
#ADSORPTIVITY
RT ADSORPTION
CHEMICAL PROPERTIES
CHEMISORPTION
% PHYSICAL PROPERTIES

ADVANCED AIRBORNE COMMAND POST
USE E-4A AIRCRAFT

ADVANCED COMMUNICATIONS TECHNOLOGY SAT
USE ACTS

ADVANCED EVA PROTECTION SYSTEMS
USE AEPS

ADVANCED LAUNCH SYSTEM (STS)
3104 3105 3110 3409
UF ALS (LAUNCH SYSTEM)
GS TRANSPORTATION
.SPACE TRANSPORTATION
..SPACE TRANSPORTATION SYSTEM
..#ADVANCED LAUNCH SYSTEM (STS)
RT HEAVY LIFT LAUNCH VEHICLES
LAUNCH VEHICLE CONFIGURATIONS
LAUNCH VEHICLES
NASA PROGRAMS
NASA SPACE PROGRAMS
PAYLOAD DELIVERY (STS)
REUSABLE LAUNCH VEHICLES
SHUTTLE DERIVED VEHICLES
SPACE SHUTTLES
SPACECRAFT DESIGN

ADVANCED ORBITING SOLAR OBSERVATORY
USE AOSO

ADVANCED RANGE INSTRUMENTATION AIRCRAFT
0201
RT AIRBORNE EQUIPMENT
% AIRCRAFT
APOLLO PROJECT
C-135 AIRCRAFT
DATA ACQUISITION
TELEMETRY

ADVANCED RANGE INSTRUMENTATION SHIP
1102 1106 1402 1406 1410
UF ARIS INSTRUMENTATION SHIP
GS WATER VEHICLES
.SHIPS
.#ADVANCED RANGE INSTRUMENTATION SHIP
RT % INSTRUMENTS
MANNED SPACE FLIGHT NETWORK
SPACECRAFT TRACKING
TRACKING NETWORKS

ADVANCED RECONN ELECTRIC SPACECRAFT
3108 3009
UF ARES (SPACECRAFT)
GS INTERPLANETARY SPACECRAFT
.MARS PROBES
.#ADVANCED RECONN ELECTRIC SPACECRAFT
UNMANNED SPACECRAFT
.SPACE PROBES
..MARS PROBES
..#ADVANCED RECONN ELECTRIC SPACECRAFT
RT % SPACECRAFT

ADVANCED SODIUM COOLED REACTOR
2204
UF ASCR REACTOR
GS NUCLEAR REACTORS
.LIQUID COOLED REACTORS
..LIQUID METAL COOLED REACTORS
..#ADVANCED SODIUM COOLED REACTOR

ADVANCED SOLID ROCKET MOTOR (STS)
2808
UF ASRM (STS)
GS ENGINES
.ROCKET ENGINES
..BOOSTER ROCKET ENGINES
...SPACE SHUTTLE BOOSTERS
...#ADVANCED SOLID ROCKET MOTOR (STS)
..SOLID PROPELLANT ROCKET ENGINES
...SPACE SHUTTLE BOOSTERS
...#ADVANCED SOLID ROCKET MOTOR (STS)
RT SPACE SHUTTLE ASCENT STAGE
SPACE TRANSPORTATION SYSTEM

ADVANCED TACTICAL FIGHTER
USE F-22 AIRCRAFT

ADVANCED TECHNOLOGY LABORATORY
1106
GS LABORATORIES
.SPACE LABORATORIES
.#ADVANCED TECHNOLOGY LABORATORY
PAYLOADS
.SPACE SHUTTLE PAYLOADS
.#ADVANCED TECHNOLOGY LABORATORY
RT SPACELAB

ADVANCED TECHNOLOGY LIGHT TWIN AIRCRAFT
USE ATLIT PROJECT

ADVANCED TEST REACTORS
2204
UF ATR REACTOR
GS NUCLEAR REACTORS
.NUCLEAR RESEARCH AND TEST REACTORS
.#ADVANCED TEST REACTORS

ADVANCED VERY HIGH RESOLUTION RADIOMETER
1404 1406 2402
UF AVHRR
GS MEASURING INSTRUMENTS
.SATELLITE-BORNE INSTRUMENTS

.#ADVANCED VERY HIGH RESOLUTION RADIOMETER
RT INFRARED INSTRUMENTS
NOAA 6 SATELLITE
NOAA 7 SATELLITE
NOAA 8 SATELLITE
REMOTE SENSORS
TIROS N SERIES SATELLITES

ADVANCED VIDICON CAMERA SYSTEM (AVCS)
0702 0707
UF AVCS
GS COMMUNICATION EQUIPMENT
#ADVANCED VIDICON CAMERA SYSTEM (AVCS)
TELEVISION SYSTEMS
#ADVANCED VIDICON CAMERA SYSTEM (AVCS)
RT % SYSTEMS
VIDEO EQUIPMENT
VIDICONS

ADVANCED X RAY ASTROPHYSICS FACILITY
USE X RAY ASTROPHYSICS FACILITY

ADVANCING GLACIERS
USE GLACIERS

ADVANCING SHORELINES
USE BEACHES

ADVECTION
1301 1302 2003 3008
RT ATMOSPHERIC CIRCULATION
CONVECTION
HEAT TRANSFER
MIXING LAYERS (FLUIDS)
PECLET NUMBER

ADVENT PROJECT
0702 0706
GS PROGRAMS
.PROJECTS
.#ADVENT PROJECT
RT ACTIVE SATELLITES
COMMUNICATION SATELLITES
COURIER SATELLITE
RELAY SATELLITES

AE-A SATELLITE
USE EXPLORER 17 SATELLITE

AE-B SATELLITE
USE EXPLORER 32 SATELLITE

AE-C SATELLITE
USE EXPLORER 51 SATELLITE

AE-D SATELLITE
USE EXPLORER 54 SATELLITE

AE-E SATELLITE
USE EXPLORER 55 SATELLITE

AEOLIAN TONES
1203 2301 2311
RT ELASTIC WAVES
FREQUENCIES
KARMAN VORTEX STREET
NOISE (SOUND)
SOUND WAVES
WIND (METEOROLOGY)

AEOLOTROPISM
0603 2311
GS TROPISM
#AEOLOTROPISM
RT ANISOTROPY

AEPS
0401 0405 0504 0505 0507
UF ADVANCED EVA PROTECTION SYSTEMS
GS SUPPORT SYSTEMS
.LIFE SUPPORT SYSTEMS
..EMERGENCY LIFE SUSTAINING SYSTEMS
..#AEPS
..PORTABLE LIFE SUPPORT SYSTEMS
..#AEPS
RT COLUMBUS SPACE STATION
EXTRAVEHICULAR ACTIVITY
LUNAR BASES
MARS LANDING
OXYGEN SUPPLY EQUIPMENT
SPACE SHUTTLES
SPACE STATIONS
SURVIVAL EQUIPMENT

AERATION
0505 0603 2311
RT AGITATION
BENEFICIATION
BLOWING
BUBBLES
CORROSION PREVENTION
DEGASSING
DISSOLVED GASES
DISSOLVING
ENTRAINMENT
MIXERS
MIXING
OXYGENATION
PURIFICATION
% SEPARATION
SPRAYING
STIRRING
SUSPENDING (MIXING)
WATER TREATMENT

AERIAL ACROBATICS
USE AEROBATICS

AERIAL EXPLOSIONS
1202 1408 2205
SN (LIMITED TO EXPLOSIONS OCCURRING AT HEIGHTS LESS THAN 50 KM)
UF AIR BLASTS
GS EXPLOSIONS
#AERIAL EXPLOSIONS
RT BLAST LOADS
CHEMICAL EXPLOSIONS
NUCLEAR EXPLOSIONS
THERMONUCLEAR EXPLOSIONS

AERIAL IMAGERY
USE AERIAL PHOTOGRAPHY

AERIAL PHOTOGRAPHY
1303 1401 2310 3501
UF AERIAL IMAGERY
GS IMAGERY
#AERIAL PHOTOGRAPHY
PHOTOGRAPHY
#AERIAL PHOTOGRAPHY
RT ASTRONOMICAL PHOTOGRAPHY
CHANGE DETECTION
CLOUD PHOTOGRAPHS
CLOUD PHOTOGRAPHY
COLOR PHOTOGRAPHY
EARTH OBSERVATIONS (FROM SPACE)
EARTH RESOURCES SURVEY AIRCRAFT
FOREST FIRE DETECTION
GEOGRAPHIC INFORMATION SYSTEMS
GRAY SCALE
GROUND TRUTH
ICE MAPPING
IMAGE MOTION COMPENSATION
INFRARED PHOTOGRAPHY
ORTHOPHOTOGRAPHY
PHOTOGEOLOGY
PHOTOGRAMMETRY
PHOTOINTERPRETATION
PHOTOMAPPING
PHOTOMAPS
PIXELS
PLANT STRESS

ROCKET-BORNE PHOTOGRAPHY
SATELLITE-BORNE PHOTOGRAPHY
SEA TRUTH
SPACEBORNE PHOTOGRAPHY
STEREOPHOTOGRAPHY
TIMBER INVENTORY
ULTRAVIOLET PHOTOGRAPHY

AERIAL RECONNAISSANCE
1303 1401 2002 2004 2310 3501
GS RECONNAISSANCE
#AERIAL RECONNAISSANCE
..AIRBORNE INTEGRATED
RECONNAISSANCE SYSTEM
RT AEROMAGNETISM
CHANGE DETECTION
EARTH RESOURCES SURVEY AIRCRAFT
GROUND TRUTH
HS-801 AIRCRAFT
INFRARED RADIOMETERS
METEOROLOGICAL FLIGHT
PHOTORECONNAISSANCE
RECONNAISSANCE AIRCRAFT
RECONNAISSANCE SPACECRAFT
THERMAL MAPPING

AERIAL RUDDERS
0104 0202
GS AIRFOILS
#AERIAL RUDDERS
CONTROL SURFACES
.RUDDERS
.#AERIAL RUDDERS
RT FINS
HORIZONTAL TAIL SURFACES
MARINE RUDDERS
STABILIZERS (FLUID DYNAMICS)
TABS (CONTROL SURFACES)
TAIL ASSEMBLIES

AEROACOUSTICS
1202
GS ACOUSTICS
#AEROACOUSTICS
RT AERODYNAMICS
% AERONAUTICS
AIRCRAFT NOISE
GRAZING FLOW
NOISE PREDICTION (AIRCRAFT)
PROPELLER NOISE
% SCIENCE
SURFACE NOISE INTERACTIONS

AEROASSIST
1901
RT AEROBRAKING
AEROCAPTURE
AEROMANEUVERING
ATMOSPHERIC ENTRY
INTERPLANETARY TRANSFER ORBITS
TRANSFER ORBITS

AEROBATICS
0203 0502 2102
UF ACROBATICS (AIRCRAFT)
AERIAL ACROBATICS
STUNT FLYING
RT FLIGHT CONTROL
MANEUVERS

AEROBEE ROCKET VEHICLE
2002 2003 3106 3108 3110
GS ROCKET VEHICLES
.SOUNDING ROCKETS
.#AEROBEE ROCKET VEHICLE

AEROBES
0404 0407
RT ANAEROBES
BACTERIA
MICROORGANISMS
SEWAGE TREATMENT

AEROBIOLOGY
0404 1301
RT AIR POLLUTION
AIRBORNE INFECTION
% BIOLOGY
ENVIRONMENT POLLUTION
POLLEN

AEROBRAKING
1901
RT AEROASSIST
AEROCAPTURE
AEROMANEUVERING
INTERPLANETARY TRANSFER ORBITS
TRANSFER ORBITS

AEROCAPTURE
1901
RT AEROASSIST
AEROBRAKING
AEROMANEUVERING
ATMOSPHERIC ENTRY
INTERPLANETARY TRANSFER ORBITS
TRANSFER ORBITS

AERODONTALGIA
USE TOOTH DISEASES

AERODYNAMIC AXIS
USE AERODYNAMIC BALANCE

AERODYNAMIC BALANCE
0101 0102 0104
UF AERODYNAMIC AXIS
AERODYNAMIC CENTER
DRAG BALANCE
TRIM (BALANCE)
GS AERODYNAMIC CHARACTERISTICS
#AERODYNAMIC BALANCE
RT AIRCRAFT STABILITY
BALANCE
DYNAMIC CHARACTERISTICS
HORIZONTAL FLIGHT
LIFT DRAG RATIO
MASS DISTRIBUTION
SPACECRAFT MOTION
SPACECRAFT STABILITY
STATIC AERODYNAMIC CHARACTERISTICS
TURNING FLIGHT

AERODYNAMIC BRAKES
0104 0202
GS BRAKES (FOR ARRESTING MOTION)
#AERODYNAMIC BRAKES
..BALLUTES
..DRAG CHUTES
..PARAVULCOONS
..SPLIT FLAPS
..WING FLAPS
...LEADING EDGE FLAPS
...LEADING EDGE SLATS
...TRAILING EDGE FLAPS
...VORTEX FLAPS
DRAG DEVICES
#AERODYNAMIC BRAKES
..BALLUTES
..DRAG CHUTES
..PARAVULCOONS
..SPLIT FLAPS
..WING FLAPS
...LEADING EDGE FLAPS
...LEADING EDGE SLATS
...TRAILING EDGE FLAPS
...VORTEX FLAPS
RT AIRCRAFT BRAKES
CONTROL SURFACES
FLAPERONS
FLAPS (CONTROL SURFACES)
PARACHUTES
RETRACTABLE EQUIPMENT
SPOILERS

```
AERODYNAMIC BUZZ
  USE  FLUTTER

AERODYNAMIC CENTER
  USE  AERODYNAMIC BALANCE

AERODYNAMIC CHARACTERISTICS
  0101 0102 0104 3408
  GS  #AERODYNAMIC CHARACTERISTICS
       .AERODYNAMIC BALANCE
       .AERODYNAMIC DRAG
       ..SUPERSONIC DRAG
       .AERODYNAMIC STABILITY
       .INTERFERENCE DRAG
       .LIFT
       ..INTERFERENCE LIFT
       ..JET LIFT
       ..ROTOR LIFT
       ..ZERO LIFT
       .STATIC AERODYNAMIC CHARACTERISTICS
  RT   AERODYNAMIC NOISE
       ANGLE OF ATTACK
       ASPECT RATIO
     % CHARACTERISTICS
       CROSS FLOW
       DYNAMIC CHARACTERISTICS
       ENGINE AIRFRAME INTEGRATION
       FLIGHT ENVELOPES
       INDUCED DRAG
       ROTOR BODY INTERACTIONS
       UNDER SURFACE BLOWING
       UNSTEADY AERODYNAMICS
       UPPER SURFACE BLOWING
       WIND TUNNEL TESTS

AERODYNAMIC CHORDS
  USE  AIRFOIL PROFILES
       CHORDS (GEOMETRY)

AERODYNAMIC COEFFICIENTS
  0101
  UF   LIFT COEFFICIENTS
  GS   COEFFICIENTS
       #AERODYNAMIC COEFFICIENTS
  RT % DRAG COEFFICIENTS
       FLOW COEFFICIENTS
       FLOW DISTORTION
       FORCE DISTRIBUTION
       LIFT
       LIFT DRAG RATIO
       PITCHING MOMENTS
       PRESSURE DISTRIBUTION
       ROLLING MOMENTS
       YAWING MOMENTS

AERODYNAMIC CONFIGURATIONS
  0101
  SN   (LIMITED TO AERODYNAMIC VEHICLE
       SHAPES--FOR LIFTING OR THRUSTING
       SURFACES USE AIRFOILS)
  GS  #AERODYNAMIC CONFIGURATIONS
       .DROOPED AIRFOILS
       .WAVERIDERS
       .WING NACELLE CONFIGURATIONS
  RT   AIRCRAFT CONFIGURATIONS
       AIRCRAFT DESIGN
       AIRFOILS
       BLUNT BODIES
       BODIES OF REVOLUTION
       BODY-WING AND TAIL CONFIGURATIONS
       BODY-WING CONFIGURATIONS
       CANARD CONFIGURATIONS
       CHANNEL WINGS
       CONES
     % CONFIGURATIONS
       CONTROL SURFACES
     % DESIGN
       DISKS (SHAPES)
       DRAG
       ENGINE AIRFRAME INTEGRATION
       FAIRINGS
       FINNED BODIES
       HALF CONES
     % HEMISPHERES
       INTAKE SYSTEMS
       LAUNCH VEHICLE CONFIGURATIONS
       LIFT
       LIFTING BODIES
       MISSILE CONFIGURATIONS
       MONOPLANES
       NACELLES
       NOSE TIPS
       OBLIQUE WINGS
       PROPULSION SYSTEM CONFIGURATIONS
       PROTUBERANCES
       PYLON MOUNTING
       REYNOLDS EQUATION
       RING STRUCTURES
       ROTOR BODY INTERACTIONS
       SATELLITE CONFIGURATIONS
       SCALE MODELS
       SEMISPAN MODELS
       SLENDER BODIES
       SLENDER CONES
       SPACECRAFT CONFIGURATIONS
       SPHERES
       STRAKES
       STREAMLINED BODIES
       THREE DIMENSIONAL BODIES
       WEDGES
       WIND TUNNEL MODELS
       WING ROOTS

AERODYNAMIC DRAG
  0101 0102 0204 0209
  GS   AERODYNAMIC CHARACTERISTICS
       #AERODYNAMIC DRAG
       ..SUPERSONIC DRAG
       AERODYNAMIC FORCES
       #AERODYNAMIC DRAG
       ..SUPERSONIC DRAG
       DYNAMIC CHARACTERISTICS
       .DRAG
       ..FRICTION DRAG
       ..#AERODYNAMIC DRAG
       ....SUPERSONIC DRAG
       FRICTION
       .FLOW RESISTANCE
       ..FRICTION DRAG
       ..#AERODYNAMIC DRAG
       ....SUPERSONIC DRAG
       .SKIN FRICTION
       ..FRICTION DRAG
       ..#AERODYNAMIC DRAG
       ....SUPERSONIC DRAG
  RT   BALLISTICS
       BASE PRESSURE
     % DRAG COEFFICIENTS
       DRAG MEASUREMENT
       DRAG REDUCTION
       GROUND EFFECT (AERODYNAMICS)
       HYPERSONIC FORCES
       INDUCED DRAG
       LIFT
       LIFT DRAG RATIO
       ORBIT DECAY
       PRESSURE DRAG
     % RESISTANCE
       SATELLITE DRAG
       TURBULENCE
       VORTEX FLAPS

AERODYNAMIC FORCES
  0101
  UF   GLAUERT COEFFICIENT
  GS  #AERODYNAMIC FORCES
       .AERODYNAMIC DRAG
       ..SUPERSONIC DRAG
       .AERODYNAMIC INTERFERENCE
       .AERODYNAMIC LOADS
       ..BLAST LOADS
       ..GUST LOADS
       .HYPERSONIC FORCES
       .LIFT
       ..INTERFERENCE LIFT
```

..JET LIFT
..ROTOR LIFT
..ZERO LIFT
.WING LOADING
RT % FORCE
LEADING EDGE THRUST
THRUST DISTRIBUTION
UNSTEADY AERODYNAMICS

AERODYNAMIC HEAT TRANSFER
0101 3303 3501
GS TRANSMISSION
.HEAT TRANSMISSION
..HEAT TRANSFER
..#AERODYNAMIC HEAT TRANSFER
....HYPERSONIC HEAT TRANSFER
....SUPERSONIC HEAT TRANSFER
RT ABLATION
AEROTHERMODYNAMICS
TURBULENT HEAT TRANSFER

AERODYNAMIC HEATING
0101 3304
GS HEATING
.KINETIC HEATING
.#AERODYNAMIC HEATING
...SHOCK HEATING
RT ABLATION
AERODYNAMICS
AEROTHERMOCHEMISTRY
AEROTHERMODYNAMICS
ATMOSPHERIC ENTRY
BOUNDARY LAYER PLASMAS
COMPRESSIBLE FLUIDS
CONVECTIVE HEAT TRANSFER
HYPERSONIC REENTRY
REENTRY
REENTRY EFFECTS
REENTRY SHIELDING
SKIN FRICTION
SKIN TEMPERATURE (NON-BIOLOGICAL)
TRANSIENT HEATING
UNCONTROLLED REENTRY (SPACECRAFT)

AERODYNAMIC INTERFERENCE
0101 0404 0704
GS AERODYNAMIC FORCES
#AERODYNAMIC INTERFERENCE
RT AERODYNAMICS
AIR FLOW
AIRCRAFT CONFIGURATIONS
AIRCRAFT STRUCTURES
AIRFOIL PROFILES
CONTROL SURFACES
% INTERFERENCE
PROTUBERANCES
TURBULENT FLOW
WING PROFILES

AERODYNAMIC LIFT
USE LIFT

AERODYNAMIC LOADS
0101 0102 0104
GS AERODYNAMIC FORCES
#AERODYNAMIC LOADS
..BLAST LOADS
..GUST LOADS
LOADS (FORCES)
.DYNAMIC LOADS
.#AERODYNAMIC LOADS
...BLAST LOADS
...GUST LOADS
RT AXIAL COMPRESSION LOADS
AXIAL LOADS
COMPRESSION LOADS
CRITICAL LOADING
EDGE LOADING
FORCE DISTRIBUTION
LOADING MOMENTS
PRESSURE DISTRIBUTION
SHOCK LOADS
STATIC LOADS
STRUCTURAL DESIGN CRITERIA
THRUST LOADS
TRANSIENT LOADS
VIBRATORY LOADS
WING LOADING

AERODYNAMIC MOMENTS
USE STABILITY DERIVATIVES

AERODYNAMIC NOISE
0101 0203 0704
UF BOUNDARY LAYER NOISE
GS ELASTIC WAVES
.SOUND WAVES
..NOISE (SOUND)
..#AERODYNAMIC NOISE
....BLADE SLAP NOISE
....PROPELLER NOISE
RT ACOUSTIC RETROFITTING
AERODYNAMIC CHARACTERISTICS
AEROELASTICITY
AIRCRAFT NOISE
FLUTTER
JET AIRCRAFT NOISE
NOISE MEASUREMENT
NOISE REDUCTION
PANEL FLUTTER
SHOCK WAVES
SONIC BOOMS
SURFACE NOISE INTERACTIONS

AERODYNAMIC STABILITY
0101
UF FLYING PLATFORM STABILITY
GS AERODYNAMIC CHARACTERISTICS
#AERODYNAMIC STABILITY
DYNAMIC CHARACTERISTICS
.DYNAMIC STABILITY
..MOTION STABILITY
..#AERODYNAMIC STABILITY
STABILITY
.DYNAMIC STABILITY
..MOTION STABILITY
..#AERODYNAMIC STABILITY
RT AEROELASTICITY
AIRCRAFT STABILITY
AIRFOIL OSCILLATIONS
ATTITUDE STABILITY
BALLAST (MASS)
BOUNDARY LAYER STABILITY
BUFFETING
DIRECTIONAL STABILITY
DYNAMIC TESTS
FLIGHT ENVELOPES
FLIGHT STABILITY TESTS
FLOW STABILITY
FLUTTER
GROUND RESONANCE
HELICOPTER PERFORMANCE
HOVERING
LATERAL STABILITY
LIQUID SLOSHING
LONGITUDINAL STABILITY
LOW SPEED STABILITY
MASS DISTRIBUTION
PILOT INDUCED OSCILLATION
PRESSURE DISTRIBUTION
REENTRY
RICHARDSON NUMBER
SPACECRAFT MOTION
SPACECRAFT STABILITY
STABILITY AUGMENTATION
STATIC AERODYNAMIC CHARACTERISTICS
TURBULENCE EFFECTS
UNSTEADY AERODYNAMICS
VORTEX AVOIDANCE
WIND TUNNEL STABILITY TESTS
WING OSCILLATIONS
YAW

AERODYNAMIC STALLING
0101 0203

```
  RT    AIRCRAFT PERFORMANCE
        AIRCRAFT SPIN
        AIRSPEED
        ANGLE OF ATTACK
        BOUNDARY LAYER SEPARATION
        LIFT DRAG RATIO
        LOW SPEED STABILITY
      % STALLING
        SWEEP ANGLE
        ZERO LIFT

AERODYNAMIC VEHICLES
  USE   AIRCRAFT

AERODYNAMICS
  0101 1202
  UF    HYDROAEROMECHANICS
  GS    FLUID MECHANICS
        .FLUID DYNAMICS
        ..GAS DYNAMICS
        ..#AERODYNAMICS
        ....AEROTHERMODYNAMICS
        ....HYPERSONICS
        ....ROTOR AERODYNAMICS
        ....SUPERSONICS
        ....UNSTEADY AERODYNAMICS
  RT    AEROACOUSTICS
        AERODYNAMIC HEATING
        AERODYNAMIC INTERFERENCE
        AEROELASTICITY
        AERONAUTICAL ENGINEERING
      % AERONAUTICS
      % AEROSPACE SCIENCES
      % AIRCRAFT
        AIRFOILS
        BLUNT BODIES
        BODIES OF REVOLUTION
        BOUNDARY LAYER CONTROL
        COMPRESSIBLE FLOW
        CONTROL SURFACES
        DRAG
      % DYNAMICS
      % FLIGHT
        FLIGHT CHARACTERISTICS
        FLIGHT MECHANICS
      % FLOW
        FLOW THEORY
        FREE WING AIRCRAFT
        GROUND EFFECT (AERODYNAMICS)
        HYPERSONIC FLIGHT
        HYPERSONIC FLOW
        INCOMPRESSIBLE FLOW
        INVISCID FLOW
        LAMINAR FLOW
        LIFT
        MACH NUMBER
        MACH-ZEHNDER INTERFEROMETERS
        REENTRY
      % SCIENCE
        SLENDER BODIES
        SUBSONIC FLOW
        SUPERSONIC FLOW
        THERMODYNAMICS
        TRANSONIC FLOW
        TURBULENT FLOW
        UNIFORM FLOW
        UNSTEADY FLOW
        VISCOUS FLOW
        WIND MEASUREMENT
        WIND TUNNELS

AEROELASTIC RESEARCH WINGS
  0104
  GS    AIRFOILS
        .WINGS
        .#AEROELASTIC RESEARCH WINGS
  RT    AIRCRAFT DESIGN
        FLUTTER
        FLUTTER ANALYSIS
        STRUCTURAL DESIGN
        WING OSCILLATIONS

AEROELASTICITY
  0101
  GS    MECHANICAL PROPERTIES
        .ELASTIC PROPERTIES
        .#AEROELASTICITY
        ...AEROSERVOELASTICITY
        ...AEROTHERMOELASTICITY
  RT    AERODYNAMIC NOISE
        AERODYNAMIC STABILITY
        AERODYNAMICS
        AEROTHERMODYNAMICS
        AIRCRAFT STRUCTURES
        AIRFOIL OSCILLATIONS
        DAST PROGRAM
        FLUTTER
        INFLUENCE COEFFICIENT
        PANEL FLUTTER
        RIGID WINGS
        THERMOELASTICITY
        UNSTEADY AERODYNAMICS
        WING LOADING

AEROEMBOLISM
  0401 0408
  GS    EMBOLISMS
        #AEROEMBOLISM
  RT    ALTITUDE SICKNESS
        DECOMPRESSION SICKNESS
        FAT EMBOLISMS
        STRESS (PHYSIOLOGY)

AEROGELS
  0602
  RT    FOAMS
        GELS
        POROUS MATERIALS
        SILICA GEL

AEROGYRO HELICOPTERS
  USE   XH-51 HELICOPTER

AEROLOGY
  1302 2003
  GS    METEOROLOGY
        #AEROLOGY
  RT    ATMOSPHERIC & OCEANOGRAPHIC INFORM
        SYS
        GLOBAL ATMOSPHERIC RESEARCH PROGRAM
        METEOROLOGICAL PARAMETERS
        POLAR METEOROLOGY
        SEA BREEZE
        WIND (METEOROLOGY)

AEROMAGNETISM
  0801
  RT    AERIAL RECONNAISSANCE
        GEOMAGNETISM
        MAGNETIC ANOMALIES
        MAGNETIC SURVEYS
        MAGNETIC VARIATIONS
        REMOTE SENSING

AEROMAGNETO FLUTTER
  USE   FLUTTER

AEROMANEUVERING
  1901
  RT    AEROASSIST
        AEROBRAKING
        AEROCAPTURE
        ATMOSPHERIC ENTRY
        INTERPLANETARY TRANSFER ORBITS
        TRANSFER ORBITS

AEROMANEUVERING ORBIT TO ORBIT SHUTTLE
  3104
  UF    AMOOS
  GS    ORBIT TRANSFER VEHICLES
        #AEROMANEUVERING ORBIT TO ORBIT
         SHUTTLE
  RT    ORBIT MANEUVERING ENGINE (SPACE
        SHUTTLE)
        ORBITAL MECHANICS
```

```
        REUSABLE LAUNCH VEHICLES
        SPACE SHUTTLES

AERONAUTICAL ENGINEERING
  0201 3404 4001
  GS    AEROSPACE ENGINEERING
        #AERONAUTICAL ENGINEERING
  RT    AERODYNAMICS
      % AERONAUTICS
      % AIRCRAFT
        AIRCRAFT DESIGN
        AIRCRAFT INDUSTRY
        AUXILIARY PROPULSION
        COMPOUND HELICOPTERS
      % ENGINEERING
        FUNCTIONAL DESIGN SPECIFICATIONS
        MECHANICAL ENGINEERING
        PROPULSION
        STRUCTURAL ENGINEERING

AERONAUTICAL SATELLITES
  0203 0702 0706
  GS    ARTIFICIAL SATELLITES
        .COMMUNICATION SATELLITES
        .#AERONAUTICAL SATELLITES
        ...AEROSAT SATELLITES
  RT %  AERONAUTICS
        AIR TRAFFIC CONTROL
        AIRCRAFT APPROACH SPACING
        AIRCRAFT COMMUNICATION
        GROUND-AIR-GROUND COMMUNICATION
        RESCUE OPERATIONS
        SATELLITE NETWORKS

% AERONAUTICS
  0201 3501
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  UF    AVIATION
  RT    AEROACOUSTICS
        AERODYNAMICS
        AERONAUTICAL ENGINEERING
        AERONAUTICAL SATELLITES
        AEROSPACE ENGINEERING
      % AEROSPACE SCIENCES
        AIR LAW
      % AIRCRAFT
        AIRPORTS
        AVIONICS
        CIVIL AVIATION
      % FLIGHT
        GENERAL AVIATION AIRCRAFT
        HUMAN FACTORS ENGINEERING
      % MILITARY AVIATION
      % SCIENCE
        TACT PROGRAM

AERONOMY
  1302 1308 2003 3008
  RT    AIRGLOW
        ALPINE METEOROLOGY
        ATMOSPHERIC COMPOSITION
        ATMOSPHERIC PHYSICS
        AURORAS
        DIAL SATELLITE
        FIELD ALIGNED CURRENTS
        FLUX TRANSFER EVENTS
        GEOPHYSICS
        MAGNETOSPHERE-IONOSPHERE COUPLING
        MESOMETEOROLOGY
        METEOROLOGY
        POLAR CUSPS
        UPPER ATMOSPHERE

AEROPHYSICS
  USE   ATMOSPHERIC PHYSICS

AEROQUATIC VEHICLES
  0201 1204
  RT    AIRCRAFT DESIGN
        ATTACK AIRCRAFT
      % MILITARY VEHICLES
        UNDERWATER PROPULSION
        UNDERWATER VEHICLES

AEROS SATELLITE
  2004 3107
  GS    ARTIFICIAL SATELLITES
        .METEOROLOGICAL SATELLITES
        .#AEROS SATELLITE
        .SYNCHRONOUS SATELLITES
        .#AEROS SATELLITE

AEROSAT SATELLITES
  0302 0702 0706 0709 1904 2104 3006
  3107 3409
  GS    ARTIFICIAL SATELLITES
        .COMMUNICATION SATELLITES
        ..AERONAUTICAL SATELLITES
        ..#AEROSAT SATELLITES
        .ESA SATELLITES
        .#AEROSAT SATELLITES
        .NAVIGATION SATELLITES
        .#AEROSAT SATELLITES
        .SYNCHRONOUS SATELLITES
        .#AEROSAT SATELLITES
        ESA SPACECRAFT
        .ESA SATELLITES
        .#AEROSAT SATELLITES
  RT    EUROPEAN SPACE PROGRAMS
        SATELLITE NETWORKS

AEROSERVOELASTICITY
  0101
  UF    ASE (AERODYNAMICS)
  GS    MECHANICAL PROPERTIES
        .ELASTIC PROPERTIES
        ..AEROELASTICITY
        ..#AEROSERVOELASTICITY
  RT    ACTIVE CONTROL
        ACTUATORS
        AIRFOIL OSCILLATIONS
        DYNAMIC CONTROL
        DYNAMIC RESPONSE
        DYNAMIC STRUCTURAL ANALYSIS
        FLUTTER
        SERVOCONTROL
        UNSTEADY AERODYNAMICS

AEROSINUSITIS
  0401 0408
  GS    DISEASES
        .RESPIRATORY DISEASES
        .#AEROSINUSITIS
  RT    AEROSPACE MEDICINE
        ALTITUDE SICKNESS

AEROSOLS
  0505 0603 2003
  GS    MIXTURES
        .DISPERSIONS
        ..COLLOIDS
        ..#AEROSOLS
        ....FOG
        ..LIQUID-GAS MIXTURES
        ..#AEROSOLS
        ....FOG
        PARTICLES
        #AEROSOLS
        ..FOG
  RT    AIR POLLUTION
        AITKEN NUCLEI
        ATMOSPHERIC EFFECTS
        ATOMIZING
        CONDENSATION NUCLEI
        CROP DUSTING
        DUST
        ENTRAINMENT
        ENVIRONMENT POLLUTION
        ENVIRONMENTAL SURVEYS
        EXHAUST CLOUDS
        FOG DISPERSAL
        FUMES
        GAS ATOMIZATION
```

```
      MIST
      MIXERS
      PARTICULATES
      PHOTOPHORESIS
      POLLUTION TRANSPORT
      SAGE SATELLITE
      SMOKE
      SMOKE ABATEMENT
      SPRAYING
      THERMOPHORESIS

AEROSPACE ENGINEERING
  0201 3404
  UF   SPACE SYSTEMS ENGINEERING
  GS  #AEROSPACE ENGINEERING
       .AERONAUTICAL ENGINEERING
  RT % AERONAUTICS
     % AEROSPACE SCIENCES
     % AIRCRAFT
     % ENGINEERING
       MECHANICAL ENGINEERING
       MISSILE DESIGN
       STRUCTURAL ENGINEERING

AEROSPACE ENVIRONMENTS
  2903 3004 3007 3009
  SN   (EXCLUDES SPACECRAFT
       INTRAVEHICULAR ENVIRONMENTS)
  UF   SPACE ENVIRONMENT
  GS   ENVIRONMENTS
       #AEROSPACE ENVIRONMENTS
       ..CISLUNAR SPACE
       ..DEEP SPACE
       ...INTERPLANETARY SPACE
       ...INTERSTELLAR SPACE
       ..EARTH ORBITAL ENVIRONMENTS
  RT % AEROSPACE SCIENCES
       ARGON-OXYGEN ATMOSPHERES
     % ASTRONAUTICS
       BIOASTRONAUTICS
       BIOPROCESSING
       BIOSATELLITES
       COSMIC RAYS
       EARTH ATMOSPHERE
       ELECTROMAGNETIC RADIATION
       EXOBIOLOGY
       EXTRATERRESTRIAL ENVIRONMENTS
       EXTRATERRESTRIAL LIFE
       EXTRATERRESTRIAL RADIATION
       EXTRAVEHICULAR ACTIVITY
       GEOPHYSICAL FLUID FLOW CELLS
       HAZARDOUS MATERIAL DISPOSAL (IN
       SPACE)
       HELIUM-OXYGEN ATMOSPHERES
       JUPITER ATMOSPHERE
       LIFE SUPPORT SYSTEMS
       LUNAR ENVIRONMENT
       MANNED SPACE FLIGHT
       MARS ATMOSPHERE
       NEPTUNE ATMOSPHERE
       PANSPERMIA
       PLANETARY ENVIRONMENTS
       RADIATION BELTS
       SOLAR RADIATION
       SPACE EXPLORATION
       SPACE FLIGHT
       SPACE HABITATS
       SPACE MANUFACTURING
       SPACEBORNE EXPERIMENTS
       SPACECRAFT CABIN SIMULATORS
       THERMAL ENVIRONMENTS
       URANUS ATMOSPHERE
       VACUUM
       VENUS ATMOSPHERE

AEROSPACE INDUSTRY
  0204 3404
  GS   INDUSTRIES
       #AEROSPACE INDUSTRY
       ..AIRCRAFT INDUSTRY
  RT % AIRCRAFT
       COMMERCIAL SPACECRAFT
       SPACE COMMERCIALIZATION

AEROSPACE MEDICINE
  0401
  UF   SPACE MEDICINE
  GS  #AEROSPACE MEDICINE
       .AVIATION PSYCHOLOGY
       .SPACE PSYCHOLOGY
  RT   ACCELERATION STRESSES (PHYSIOLOGY)
       AEROSINUSITIS
     % AEROSPACE SCIENCES
       ALTITUDE SICKNESS
       BIOASTRONAUTICS
       BIOFEEDBACK
     % BIOLOGY
       BIOMEDICAL DATA
       CHLORELLA
       CLOSED ECOLOGICAL SYSTEMS
       ELECTROLYTE METABOLISM
       FASTING
       FLIGHT FATIGUE
       GRAVITATIONAL PHYSIOLOGY
       HEAD DOWN TILT
       HEAD MOVEMENT
       MEDICAL SCIENCE
     % MEDICINE
       MOBILE QUARANTINE FACILITY
       MOTION SICKNESS
       RADIOLOGY
     % SCIENCE
       SPACE ADAPTATION SYNDROME
       SPACECRAFT ENVIRONMENTS
       SPORTS MEDICINE
       WEIGHTLESSNESS

AEROSPACE PLANES
  0201 3110
  GS   AEROSPACE VEHICLES
       #AEROSPACE PLANES
       ..HOTOL LAUNCH VEHICLE
       ..X-30 VEHICLE
       MANEUVERABLE SPACECRAFT
       #AEROSPACE PLANES
       ..HOTOL LAUNCH VEHICLE
       ..X-30 VEHICLE
       MANNED SPACECRAFT
       #AEROSPACE PLANES
       ..HOTOL LAUNCH VEHICLE
       ..X-30 VEHICLE
       REENTRY VEHICLES
       .RECOVERABLE SPACECRAFT
       ..REUSABLE SPACECRAFT
       ..#AEROSPACE PLANES
       ....HOTOL LAUNCH VEHICLE
       ....X-30 VEHICLE
       SOFT LANDING SPACECRAFT
       #AEROSPACE PLANES
       ..HOTOL LAUNCH VEHICLE
       ..X-30 VEHICLE
  RT % AIRCRAFT
       ASTRO VEHICLE
       BOOSTGLIDE VEHICLES
       BURAN SPACE SHUTTLE
       GLIDERS
       HYPERSONIC AIRCRAFT
       HYPERSONIC GLIDERS
       LAUNCH VEHICLES
       LIFTING REENTRY VEHICLES
       LIQUID AIR CYCLE ENGINES
       MILITARY SPACECRAFT
       NATIONAL AEROSPACE PLANE PROGRAM
       RESEARCH AIRCRAFT
       ROCKET PLANES
       TRANSATMOSPHERIC VEHICLES
       X-20 AIRCRAFT

AEROSPACE SAFETY
  3406
  GS   SAFETY
       #AEROSPACE SAFETY
  RT   ACCIDENT PREVENTION
       AIRCRAFT SAFETY
       FLIGHT SAFETY
```

```
        RANGE SAFETY
        SAFETY FACTORS
        SAFETY MANAGEMENT

% AEROSPACE SCIENCES
  0101 0201 0401 1308 1902 2003
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  UF    SPACE SCIENCES
  RT    AERODYNAMICS
      % AERONAUTICS
        AEROSPACE ENGINEERING
        AEROSPACE ENVIRONMENTS
        AEROSPACE MEDICINE
        AEROSPACE SYSTEMS
        ASTRONOMY
        COMMITTEE ON SPACE RESEARCH
        ENVIRONMENTAL ENGINEERING
        EXTRATERRESTRIAL RADIATION
        INTERNATIONAL SPACE YEAR
        SPACE LABORATORIES

AEROSPACE SYSTEMS
  0201
  RT % AEROSPACE SCIENCES
        CONTROL SYSTEMS DESIGN
        MISSILE SYSTEMS
      % SYSTEMS
        SYSTEMS ENGINEERING

AEROSPACE TECHNOLOGY TRANSFER
  3404
  GS    TECHNOLOGY TRANSFER
        #AEROSPACE TECHNOLOGY TRANSFER
  RT    CANADIAN SPACE PROGRAM
        INFORMATION FLOW
        REPORTS
        TECHNOLOGICAL FORECASTING
        TECHNOLOGY UTILIZATION

AEROSPACE VEHICLES
  0201 3107 3110
  GS   #AEROSPACE VEHICLES
        .AEROSPACE PLANES
        ..HOTOL LAUNCH VEHICLE
        ..X-30 VEHICLE
        .FLEXIBLE SPACECRAFT
  RT % AIRCRAFT
        COMMERCIAL SPACECRAFT
      % SPACECRAFT
        TRANSATMOSPHERIC VEHICLES

AEROSTATICS
  1202
  GS    STATICS
        #AEROSTATICS
  RT    BUOYANCY
      % DYNAMICS
      % EQUILIBRIUM
        FLUID MECHANICS
        HYDROSTATICS

AEROSTATS
  USE   AIRSHIPS

AEROTHERMOCHEMISTRY
  0101 0104 0603 3304
  GS    ENVIRONMENTAL CHEMISTRY
        #AEROTHERMOCHEMISTRY
        THERMOCHEMISTRY
        #AEROTHERMOCHEMISTRY
  RT    ABLATION
        AERODYNAMIC HEATING
        AEROTHERMODYNAMICS
        ATMOSPHERIC CHEMISTRY
        CHEMICAL ENGINEERING
      % CHEMISTRY
        NOZZLE FLOW
        PHYSICAL CHEMISTRY
        PYROMETALLURGY
        REENTRY PHYSICS
        REENTRY SHIELDING
        REENTRY VEHICLES

AEROTHERMODYNAMICS
  0104 3303 3304 3501
  GS    FLUID MECHANICS
        .FLUID DYNAMICS
        ..GAS DYNAMICS
        ...AERODYNAMICS
        ...#AEROTHERMODYNAMICS
        THERMODYNAMICS
        #AEROTHERMODYNAMICS
  RT    AERODYNAMIC HEAT TRANSFER
        AERODYNAMIC HEATING
        AEROELASTICITY
        AEROTHERMOCHEMISTRY
        ASSET PROJECT
        BOUNDARY LAYER PLASMAS
      % CHEMISTRY
        COMBUSTION PHYSICS
      % DYNAMICS
        HYPERSONIC HEAT TRANSFER
        HYPERSONIC REENTRY
        HYPERSONICS
        RANKINE-HUGONIOT RELATION
        REENTRY
        REENTRY PHYSICS
      % SCIENCE
        SKIN TEMPERATURE (NON-BIOLOGICAL)
        SUPERSONICS
        THERMOELASTICITY

AEROTHERMOELASTICITY
  0101 2308 3304 3408
  GS    MECHANICAL PROPERTIES
        .ELASTIC PROPERTIES
        ..AEROELASTICITY
        ..#AEROTHERMOELASTICITY
        ..THERMOELASTICITY
        ..#AEROTHERMOELASTICITY

AEROZINE
  2702
  GS    FUELS
        .MONOPROPELLANTS
        .#AEROZINE
        PROPELLANTS
        .ROCKET PROPELLANTS
        ..LIQUID ROCKET PROPELLANTS
        ...MONOPROPELLANTS
        ...#AEROZINE
  RT    DIMETHYLHYDRAZINES
        HYDRAZINES

AFC (CONTROL)
  USE   AUTOMATIC FREQUENCY CONTROL

AFCS (CONTROL SYSTEM)
  USE   AUTOMATIC FLIGHT CONTROL

AFFECTS
  USE   EFFECTS

AFFERENT NERVOUS SYSTEMS
  0503
  GS    ANATOMY
        .NERVOUS SYSTEM
        .#AFFERENT NERVOUS SYSTEMS
  RT    SENSORIMOTOR PERFORMANCE
      % SYSTEMS

AFFINITY
  3408
  GS   #AFFINITY
        .ELECTRON AFFINITY
        .NEGATIVE ELECTRON AFFINITY
  RT    ATTRACTION
        COMPATIBILITY

AFGHANISTAN
  1305
  GS    NATIONS
        #AFGHANISTAN
```

```
  RT   ASIA

AFM (MICROSCOPY)
  USE  ATOMIC FORCE MICROSCOPY

AFRICA
  1305
  GS   CONTINENTS
       #AFRICA
  RT   AFRICAN RIFT SYSTEM
       ALGERIA
       ANGOLA
       ARCOMSAT
       BENIN
       BOTSWANA
       BURKINA
       BURUNDI
       CAMEROON
       CAPE VERDE
       CENTRAL AFRICAN REPUBLIC
       CHAD
       CONGO (BRAZZAVILLE)
       COTE D'IVOIRE
       DJIBOUTI
       EGYPT
       ETHIOPIA
       GABON
       GAMBIA
       GHANA
       GUINEA
       KALAHARI BASIN (AFRICA)
       KENYA
       LESOTHO
       LIBERIA
       LIBYA
       LIBYAN DESERT
       MADAGASCAR
       MALAWI
       MALI
       MAURITANIA
       MAURITIUS
       MOROCCO
       MOZAMBIQUE
       NAMIBIA
       NATIONS
       NIGER
       NIGERIA
       RED SEA
       REPUBLIC OF SOUTH AFRICA
       RWANDA
       SAHARA DESERT (AFRICA)
       SENEGAL
       SEYCHELLES
       SIERRA LEONE
       SOMALIA
       SPANISH SAHARA
       SUDAN
       SWAZILAND
       TANZANIA
       TOGO
       TUNISIA
       UGANDA
       ZAIRE
       ZAMBIA
       ZIMBABWE

AFRICAN RIFT SYSTEM
  1306
  GS   GEOLOGICAL FAULTS
       #AFRICAN RIFT SYSTEM
  RT   AFRICA
     % SYSTEMS

AFTERBODIES
  3105 3110 0102
  UF   CYLINDRICAL AFTERBODIES
       STERNS
  RT   AIRCRAFT STRUCTURES
       BASE HEATING
       BOATTAILS
     % BODIES
       CENTERBODIES
       CONICAL BODIES
       CYLINDRICAL BODIES
       FLARED BODIES
       FOREBODIES
       SKIRTS
       SWING TAIL ASSEMBLIES
       TAIL ASSEMBLIES

AFTERBURNERS
  USE  AFTERBURNING

AFTERBURNING
  2801 2802 2805 3301
  UF   AFTERBURNERS
  GS   COMBUSTION
       #AFTERBURNING
  RT   BURNERS
       EXHAUST SYSTEMS
       INFRARED SUPPRESSION
       INTERNAL COMBUSTION ENGINES
       J-57 ENGINE
       J-57-P-20 ENGINE
       JET ENGINES
       THRUST AUGMENTATION

AFTERGLOWS
  1302 2502 2902
  GS  #AFTERGLOWS
       .HELIUM AFTERGLOW
       .OXYGEN AFTERGLOW
  RT   ATMOSPHERIC IONIZATION
       GAS DISCHARGES
       GAS IONIZATION
       LIGHT SCATTERING
       LUMINESCENCE
       PHOSPHORESCENCE
       PLASMA DECAY

AFTERIMAGES
  0408 2301 2306
  GS   IMAGES
       #AFTERIMAGES
  RT   CRITICAL FLICKER FUSION
       ILLUSIONS
       PSYCHOLOGICAL EFFECTS
       SENSORY PERCEPTION
       VISUAL PERCEPTION

AGB STARS
  USE  ASYMPTOTIC GIANT BRANCH STARS

AGC (CONTROL)
  USE  AUTOMATIC GAIN CONTROL

AGE DETERMINATION
  USE  CHRONOLOGY

AGE FACTOR
  0408
  RT   AGING (BIOLOGY)
       GERONTOLOGY
       LIFE SPAN

AGE HARDENING
  USE  PRECIPITATION HARDENING

AGENA A ROCKET VEHICLE
  3106 3108 3409
  GS   ROCKET VEHICLES
       .SINGLE STAGE ROCKET VEHICLES
       ..AGENA ROCKET VEHICLES
       ..#AGENA A ROCKET VEHICLE
  RT   DISCOVERER SATELLITES
       THOR AGENA LAUNCH VEHICLE

AGENA B RANGER PROGRAM
  3409
  GS   PROGRAMS
       .NASA PROGRAMS
       ..NASA SPACE PROGRAMS
       ...RANGER PROJECT
       ...#AGENA B RANGER PROGRAM
       .PROJECTS
```

..RANGER PROJECT
..#AGENA B RANGER PROGRAM
.SPACE PROGRAMS
..NASA SPACE PROGRAMS
...RANGER PROJECT
...#AGENA B RANGER PROGRAM
RT THOR AGENA LAUNCH VEHICLE

AGENA B ROCKET VEHICLE
3106 3108 3110
GS ROCKET VEHICLES
.SINGLE STAGE ROCKET VEHICLES
..AGENA ROCKET VEHICLES
..#AGENA B ROCKET VEHICLE
RT DISCOVERER SATELLITES
ECHO SATELLITES
EGO
GEMINI PROJECT
MARINER PROGRAM
OAO
POGO
RANGER PROJECT

AGENA C ROCKET VEHICLE
3106 3108 3409
GS ROCKET VEHICLES
.SINGLE STAGE ROCKET VEHICLES
..AGENA ROCKET VEHICLES
..#AGENA C ROCKET VEHICLE

AGENA D ROCKET VEHICLE
3106 3108 3110
GS ROCKET VEHICLES
.SINGLE STAGE ROCKET VEHICLES
..AGENA ROCKET VEHICLES
..#AGENA D ROCKET VEHICLE

AGENA ROCKET VEHICLES
3106 3108 3110 3409
GS ROCKET VEHICLES
.SINGLE STAGE ROCKET VEHICLES
.#AGENA ROCKET VEHICLES
...AGENA A ROCKET VEHICLE
...AGENA B ROCKET VEHICLE
...AGENA C ROCKET VEHICLE
...AGENA D ROCKET VEHICLE
RT ATLAS AGENA B LAUNCH VEHICLE
ATLAS AGENA LAUNCH VEHICLES
DISCOVERER SATELLITES
ECHO SATELLITES
GEMINI PROJECT
MARINER PROGRAM
RANGER PROJECT
THOR AGENA LAUNCH VEHICLE

% AGENTS
0603
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT ACCELERATING AGENTS
ADDITIVES
ANTICOAGULANTS
ANTIFOULING
ANTIOXIDANTS
DILUENTS
NEUTRALIZERS
OPACIFIERS
OXIDIZERS
PENETRANTS
PRESERVATIVES
STABILIZERS (AGENTS)
SURFACTANTS

AGGLOMERATION
1504 3203
RT ACCUMULATIONS
ATOMIC CLUSTERS
CEMENTATION
CLUMPS
COAGULATION
COALESCING
COMPACTING
CONCENTRATING
CRYSTALLIZATION
DENSIFICATION
FLOCCULATING
GALACTIC CLUSTERS
LUMPING
METAL CLUSTERS
MOLECULAR CLUSTERS
PLUGGING
PRECIPITATION (CHEMISTRY)
% SEPARATION
SETTLING
SINTERING
VIRGO GALACTIC CLUSTER

AGGLUTINATION
0403 0405 0408 0603
GS BONDING
#AGGLUTINATION
RT ADHESION
ADHESIVE BONDING
ADHESIVES
CEMENTATION
CHEMICAL BONDS
COHESION

AGGREGATES
3203
RT CONCRETE STRUCTURES
CONCRETES
% CONSTRUCTION MATERIALS
DOLOMITE (MINERAL)
GRAVELS
LAVA
LIMESTONE
ROCKS
SANDS
SLAGS

% AGING
3408
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT AGING (BIOLOGY)
AGING (MATERIALS)
AGING (METALLURGY)
RADIOACTIVE AGE DETERMINATION

AGING (BIOLOGY)
0401 0408
RT AGE FACTOR
% AGING
% BIOLOGY
GERIATRICS
GERONTOLOGY
LIFE SCIENCES
LIFE SPAN
MORTALITY
PHYSIOLOGY

AGING (MATERIALS)
1504 1704 1805
GS #AGING (MATERIALS)
.AGING (METALLURGY)
RT % AGING
HARDENING (MATERIALS)
% MATERIALS
MECHANICAL PROPERTIES
MICROSTRUCTURE
STRAIN HARDENING

AGING (METALLURGY)
1702 1704
GS AGING (MATERIALS)
#AGING (METALLURGY)
RT % AGING
HARDENING (MATERIALS)
HEAT TREATMENT
MICROSTRUCTURE
SOLID SOLUTIONS
STRAIN HARDENING

SUPERCOOLING
TIME TEMPERATURE PARAMETER

AGITATION
0602 3407
GS #AGITATION
.ULTRASONIC AGITATION
RT AERATION
BLOWING
CHEMICAL REACTION CONTROL
COALESCING
COLLOIDING
DISPERSING
DISPOSAL
HOMOGENIZING
MIXERS
MIXING
% SEPARATION
SETTLING
SHAKING
SIZING SCREENS
SPLASHING
SUSPENDING (MIXING)
SWIRLING
TURBULENT MIXING
VORTICES
WATER TREATMENT

AGREEMENTS
3403 3406
RT CONTRACTS
CONVENTIONS
INSURANCE (CONTRACTS)
SUBCONTRACTS

AGRICULTURAL AIRCRAFT
0101
GS GENERAL AVIATION AIRCRAFT
#AGRICULTURAL AIRCRAFT
RT AGRICULTURE
% AIRCRAFT
CROP DUSTING
LIGHT AIRCRAFT
SWATH WIDTH

AGRICULTURE
0404 0409
RT AGRICULTURAL AIRCRAFT
AGRISTARS PROJECT
AGROCLIMATOLOGY
AGROMETEOROLOGY
AGROPHYSICAL UNITS
ALFALFA
BARLEY
% BIOLOGY
BOTANY
CITRUS TREES
CONSERVATION
CORN
CROP DUSTING
CROP GROWTH
CROP IDENTIFICATION
CROP INVENTORIES
CROP VIGOR
% CROPS
FARM CROPS
FARMLANDS
FRUITS
GRASSLANDS
GREAT PLAINS CORRIDOR (NORTH AMERICA)
HALOPHILES
HAY
HYDROCARBON FUEL PRODUCTION
HYDROPONICS
IRRIGATION
LARGE AREA CROP INVENTORY EXPERIMENT
LEGUMINOUS PLANTS
OATS
ORCHARDS
PLANT DISEASES
PLANT STRESS
PLANTING
PLANTS (BOTANY)
PLOWING
PLOWS
RURAL AREAS
RURAL LAND USE
SILVICULTURE
SOIL SCIENCE
SORGHUM
SUGAR BEETS
SUGAR CANE
SUNFLOWERS
TOMATOES
TRACTORS
VEGETATION GROWTH
VINEYARDS

AGRISTARS PROJECT
1303
UF CROP INVENTORIES BY REMOTE SENSING
GS PROGRAMS
.PROJECTS
.#AGRISTARS PROJECT
RT AGRICULTURE
AGROPHYSICAL UNITS
CROP INVENTORIES
FARM CROPS
FRESH WATER
LAND USE
LANDSAT SATELLITES
METEOROLOGICAL SATELLITES
NASA PROGRAMS
REMOTE SENSORS
VEGETATIVE INDEX

AGROCLIMATOLOGY
1308 2001 2003
GS CLIMATOLOGY
#AGROCLIMATOLOGY
RT AGRICULTURE
AGROMETEOROLOGY
HYDROCLIMATOLOGY
METEOROLOGICAL PARAMETERS
METEOROLOGY
MICROCLIMATOLOGY

AGROMETEOROLOGY
2003
GS METEOROLOGY
#AGROMETEOROLOGY
RT AGRICULTURE
AGROCLIMATOLOGY
HYDROMETEOROLOGY
MICROMETEOROLOGY
THERMAL RESOURCES
TROPICAL METEOROLOGY

AGROPHYSICAL UNITS
1303
RT AGRICULTURE
AGRISTARS PROJECT
FARMLANDS
LARGE AREA CROP INVENTORY EXPERIMENT

AGT
USE AUTOMATED GUIDEWAY TRANSIT VEHICLES

AH-1G HELICOPTER
0206
GS V/STOL AIRCRAFT
.ROTARY WING AIRCRAFT
..HELICOPTERS
...MILITARY HELICOPTERS
...#AH-1G HELICOPTER
RT % MILITARY AIRCRAFT
TERRAIN FOLLOWING AIRCRAFT

AH-63 HELICOPTER
0206 0207
GS ATTACK AIRCRAFT
#AH-63 HELICOPTER

```
        BELL AIRCRAFT
        #AH-63 HELICOPTER
  RT %  MILITARY AIRCRAFT
        TERRAIN FOLLOWING AIRCRAFT

AH-64 HELICOPTER
  0206 0207
  GS    ATTACK AIRCRAFT
        #AH-64 HELICOPTER
        HUGHES AIRCRAFT
        #AH-64 HELICOPTER
        V/STOL AIRCRAFT
        .ROTARY WING AIRCRAFT
        ..HELICOPTERS
        ...MILITARY HELICOPTERS
        ...#AH-64 HELICOPTER
  RT %  MILITARY AIRCRAFT
        TERRAIN FOLLOWING AIRCRAFT

% AIDS
  3407
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    LANDING AIDS
        NAVIGATION AIDS
        VISUAL AIDS

AIDS (DISEASE)
  USE   ACQUIRED IMMUNODEFICIENCY SYNDROME

AILERONS
  0104 0201
  GS    AIRFOILS
        #AILERONS
        ..FLAPERONS
        ..SPOILER SLOT AILERONS
        CONTROL SURFACES
        #AILERONS
        ..FLAPERONS
        ..SPOILER SLOT AILERONS
  RT    ELEVATORS (CONTROL SURFACES)
        ELEVONS
        LATERAL CONTROL
        TABS (CONTROL SURFACES)

AIMP-D
  USE   EXPLORER 33 SATELLITE

AIMP-E
  USE   EXPLORER 35 SATELLITE

AIMP-1
  USE   EXPLORER 33 SATELLITE

AIMP-2
  USE   EXPLORER 35 SATELLITE

AIR
  0101 0504 1203 1308 1506 1805 2311
  GS    GASES
        .GAS MIXTURES
        .#AIR
        ...ALVEOLAR AIR
        ...COMPRESSED AIR
        ...EXPIRED AIR
        ...HIGH TEMPERATURE AIR
        ...LIQUID AIR
        MIXTURES
        .SOLUTIONS
        ..GAS MIXTURES
        ..#AIR
        ....ALVEOLAR AIR
        ....COMPRESSED AIR
        ....EXPIRED AIR
        ....HIGH TEMPERATURE AIR
        ....LIQUID AIR
  RT    AIR DATA SYSTEMS
     %  ATMOSPHERES
        ATMOSPHERIC COMPOSITION
        EARTH ATMOSPHERE
        ENVIRONMENTS
        MIDDLE ATMOSPHERE

AIR BAG RESTRAINT DEVICES
  0506 0508
  GS    BAGS
        #AIR BAG RESTRAINT DEVICES
        EXPANDABLE STRUCTURES
        .INFLATABLE STRUCTURES
        .#AIR BAG RESTRAINT DEVICES
        SAFETY DEVICES
        #AIR BAG RESTRAINT DEVICES
  RT    ACCIDENT PREVENTION
        ACCIDENTS
        AUTOMOBILES
        COLLISIONS
        CRASHES
     %  DEVICES
        HIGHWAYS
        PNEUMATIC EQUIPMENT
        SAFETY

AIR BEARINGS
  USE   GAS BEARINGS

AIR BLASTS
  USE   AERIAL EXPLOSIONS

AIR BREATHING BOOSTERS
  2808
  RT    AIR BREATHING ENGINES
        BOOSTER ROCKET ENGINES
     %  BOOSTERS

AIR BREATHING ENGINES
  2805
  GS    ENGINES
        #AIR BREATHING ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....RAMJET ENGINES
        .....INTEGRAL ROCKET RAMJETS
        .....LOW VOLUME RAMJET ENGINES
        .....PULSEJET ENGINES
        .....SUPERSONIC COMBUSTION RAMJET
             ENGINES
        .....TURBORAMJET ENGINES
        ....TURBOJET ENGINES
        .....BRISTOL-SIDDELEY OLYMPUS 593
             ENGINE
        .....BRISTOL-SIDDELEY VIPER ENGINE
        .....DUCTED FAN ENGINES
        .....J-33 ENGINE
        .....J-34 ENGINE
        .....J-47 ENGINE
        .....J-57 ENGINE
        .....J-57-P-20 ENGINE
        .....J-65 ENGINE
        .....J-69-T-25 ENGINE
        .....J-71 ENGINE
        .....J-73 ENGINE
        .....J-75 ENGINE
        .....J-79 ENGINE
        .....J-85 ENGINE
        .....J-93 ENGINE
        .....RA-28 ENGINE
        .....TURBOFAN ENGINES
        ......BRISTOL-SIDDELEY BS 53 ENGINE
        ......CF-700 ENGINE
        ......CONVERTIBLE FAN-SHAFT ENGINES
        ......J-97 ENGINE
        ......TF-41 ENGINE
        .....TURBOPROP ENGINES
        ......T-53 ENGINE
        ......T-56 ENGINE
        ......T-64 ENGINE
        ......T-74 ENGINE
        .....TURBORAMJET ENGINES
        ...T-58-GE-8B ENGINE
  RT    AIR BREATHING BOOSTERS

AIR CARGO
  1103 1502
  UF    AIR FREIGHT
```

```
  GS    CARGO
        #AIR CARGO
        ..AIR MAIL
  RT    AIRDROPS
        AIRFIELD SURFACE MOVEMENTS
        AIRLINE OPERATIONS
        BAGGAGE
        CARGO AIRCRAFT
        GROUND HANDLING
        HEAVY LIFT HELICOPTERS

AIR CONDITIONING
  0504 0505 1504
  RT    BLOWERS
        COMFORT
        CONDENSERS (LIQUEFIERS)
        CONTROLLED ATMOSPHERES
        COOLANTS
        COOLERS
        COOLING
        COOLING SYSTEMS
      % DIFFUSERS
        EXHAUST SYSTEMS
        FREON
        HEAT PUMPS
        HEATING
        HEATING EQUIPMENT
        HUMIDITY
        INFILTRATION
        LIFE SUPPORT SYSTEMS
        MODULAR INTEGRATED UTILITY SYSTEM
        REFRIGERANTS
        REFRIGERATING
        REFRIGERATING MACHINERY
        SPACE HEATING (BUILDINGS)
        TEMPERATURE
        TEMPERATURE CONTROL
        TEMPERATURE DISTRIBUTION
        THERMAL INSULATION
      % TREATMENT
        VENTILATION

AIR CONDITIONING EQUIPMENT
  0504 0505 1408
  RT    ABSORBENTS
        ABSORBERS (EQUIPMENT)
        ADSORBENTS
        BLOWERS
        COMPRESSORS
        CONDENSERS (LIQUEFIERS)
        COOLERS
        COOLING SYSTEMS
      % DIFFUSERS
      % EQUIPMENT
        EVAPORATORS
      % FANS
        HEAT PUMPS
        HEATING EQUIPMENT
        OXYGEN SUPPLY EQUIPMENT
        REFRIGERATING MACHINERY

AIR CONDUCTIVITY
  1301 1302 2301 2302
  RT    ATMOSPHERIC CONDUCTIVITY
        ELECTRICAL RESISTIVITY
        THERMAL CONDUCTIVITY

AIR COOLING
  3303 3501
  SN    (COOLING WITH AIR)
  GS    COOLING
        #AIR COOLING
  RT    COOLANTS
        COOLERS
        COOLING SYSTEMS
        LIQUID COOLING
        REFRIGERATING
        VENTILATION

AIR CURRENTS
  0201 1202 1301 2003 2103
  GS    FLUID FLOW
        .GAS FLOW
        ..AIR FLOW
        ..#AIR CURRENTS
        ....JET STREAMS (METEOROLOGY)
        ....MERIDIONAL FLOW
        ....VERTICAL AIR CURRENTS
  RT    ATMOSPHERIC CIRCULATION
        BAROTROPIC FLOW
        BOUNDARY LAYER FLOW
        BOUNDARY LAYER TRANSITION
        BRUNT-VAISALA FREQUENCY
        CONVECTION CLOUDS
        CONVECTION CURRENTS
      % CURRENTS
        GROUND WIND
        LEE WAVES
        SEA BREEZE
        UPSTREAM
        WIND (METEOROLOGY)
        WINDPOWER UTILIZATION
        ZONAL FLOW (METEOROLOGY)

AIR CUSHION LANDING SYSTEMS
  0202
  RT    AIRCRAFT LANDING
        CUSHIONS
        GROUND EFFECT (AERODYNAMICS)
        SKID LANDINGS
      % SYSTEMS

AIR CUSHION VEHICLES
  USE   GROUND EFFECT MACHINES

AIR DATA SYSTEMS
  0201
  SN    (LIMITED TO FLIGHT DATA SYSTEMS)
  GS    DATA SYSTEMS
        #AIR DATA SYSTEMS
  RT    AIR
      % AIRCRAFT
      % SPACECRAFT
        TABLES (DATA)
        WIND TUNNEL TESTS

AIR DEFENSE
  0207 3401
  GS   #AIR DEFENSE
        .ANTIMISSILE DEFENSE
        .SAGE AIR DEFENSE SYSTEM
  RT    ANTIRADIATION MISSILES
        BALLISTIC MISSILE EARLY WARNING
        SYSTEM
        CAMOUFLAGE
        CIVIL DEFENSE
        DECEPTION
      % DEFENSE
        DEFENSE PROGRAM
        DMSP SATELLITES
        EARLY WARNING SYSTEMS
        ELECTRONIC WARFARE
        JAMMERS
        OPTICAL COUNTERMEASURES
        SABOTAGE
        SPACE SURVEILLANCE (GROUND BASED)
        SPACE SURVEILLANCE (SPACEBORNE)
        WEAPONS DELIVERY

AIR DENSITY EXPLORER A
  USE   EXPLORER 19 SATELLITE

AIR DENSITY/INJUN EXPLORER B
  USE   EXPLORER 25 SATELLITE

AIR DROP OPERATIONS
  0203
  RT    BAILOUT
        BALLUTES
        CARGO
        DELIVERY
        FREE FALL
      % OPERATIONS
        PARACHUTES
        PARAVULCOONS
```

```
        PARAWINGS

AIR DUCTS
  1202 1504 3202
  GS    DUCTS
        #AIR DUCTS
  RT    ANNULAR DUCTS
        BLOWERS
        EXHAUST NOZZLES
      % FANS
        GAS FLOW
        VENTILATORS

AIR FILTERS
  0505 1504
  GS    CLEANERS
        #AIR FILTERS
        SEPARATORS
        .FLUID FILTERS
        .#AIR FILTERS
  RT    COOLING SYSTEMS
        DUST COLLECTORS
      % FILTERS
        PRECIPITATORS
        VENTILATION

AIR FLOW
  0101 1110 1202 1203
  GS    FLUID FLOW
        .GAS FLOW
        .#AIR FLOW
        ...AIR CURRENTS
        ....JET STREAMS (METEOROLOGY)
        ....MERIDIONAL FLOW
        ....VERTICAL AIR CURRENTS
  RT    AERODYNAMIC INTERFERENCE
        ATMOSPHERIC BOUNDARY LAYER
        BAROTROPIC FLOW
        BRUNT-VAISALA FREQUENCY
        COMPRESSIBLE FLOW
      % CURRENTS
        DUCT GEOMETRY
        DUCTED FLOW
        STREAMLINING
        STREAMS
        VENTILATION

AIR FREIGHT
  USE   AIR CARGO

AIR INLETS
  USE   AIR INTAKES

AIR INTAKES
  0101 0201 1202
  UF    AIR INLETS
  GS    INTAKE SYSTEMS
        #AIR INTAKES
        ..ENGINE INLETS
        ..HYPERSONIC INLETS
        ..INLET AIRFRAME CONFIGURATIONS
        ..SUPERSONIC INLETS
  RT    BYPASS RATIO
        CONICAL INLETS
        COWLINGS
        INLET NOZZLES
        INLET TEMPERATURE
        INTERNAL COMPRESSION INLETS
        MANIFOLDS
        NACELLES
        NOSE INLETS
        PLENUM CHAMBERS
        SCOOPS
        SIDE INLETS
        SUPERCHARGERS
        SUPERSONIC DIFFUSERS
        VENTILATION
        VENTILATORS
      % WATER INTAKES

AIR JETS
  1202
  GS    FLUID FLOW
        .JET FLOW
        .#AIR JETS
        FLUID JETS
        #AIR JETS
  RT    GAS FLOW
        GAS JETS
        JET STREAMS (METEOROLOGY)
      % JETS
        VAPOR JETS

AIR LAND INTERACTIONS
  1310 2003
  RT    ATMOSPHERIC BOUNDARY LAYER
        ATMOSPHERIC CIRCULATION
        GAS-SOLID INTERACTIONS
      % INTERACTIONS
        LAND SURFACE TEMPERATURE
        METEOROLOGY

AIR LAUNCHING
  1104 3102 3103
  GS    LAUNCHING
        #AIR LAUNCHING
  RT    MULTISTAGE ROCKET VEHICLES
        PEGASUS AIR-LAUNCHED BOOSTER
        PIGGYBACK SYSTEMS

AIR LAW
  0201
  GS    LAW (JURISPRUDENCE)
        .INTERNATIONAL LAW
        .#AIR LAW
  RT  % AERONAUTICS
        AIRSPACE
        CIVIL AVIATION
        CONVENTIONS
        INSURANCE (CONTRACTS)
        LEGAL LIABILITY
        LIABILITIES
      % MILITARY AVIATION
        NATIONAL AIRSPACE UTILIZATION
        SYSTEM
        PENALTIES
        POLITICS
        PUBLIC LAW
        REGULATIONS
        SPACE LAW

AIR LOCKS
  0203 0303 0506 0507 0508 1408 3202
  GS    COMPARTMENTS
        #AIR LOCKS
  RT    AIRLOCK MODULES
        DOORS
        EGRESS
        ENCLOSURES
        HATCHES
        INGRESS (SPACECRAFT PASSAGEWAY)
      % LOCKS
        PRESSURE CHAMBERS
        SEALS (STOPPERS)

AIR MAIL
  0204
  GS    CARGO
        .AIR CARGO
        .#AIR MAIL

AIR MASSES
  1301 2003
  RT    ANTICYCLONES
        ATMOSPHERIC CIRCULATION
        BRUNT-VAISALA FREQUENCY
        COLD FRONTS
        FRONTS (METEOROLOGY)
        METEOROLOGY
        SYNOPTIC METEOROLOGY
        WARM FRONTS
        WEATHER FORECASTING
        WINDPOWER UTILIZATION

AIR NAVIGATION
```

0201 2103
GS NAVIGATION
#AIR NAVIGATION
..ALL-WEATHER AIR NAVIGATION
..AREA NAVIGATION
..NAP-OF-THE-EARTH NAVIGATION
RT ASTRONAVIGATION
BORESIGHT ERROR
CELESTIAL NAVIGATION
CELESTIAL REFERENCE SYSTEMS
COLLISION AVOIDANCE
% CONTROL
DEAD RECKONING
DIGITAL NAVIGATION
DOPPLER NAVIGATION
FLIGHT INSTRUMENTS
FLIGHT MANAGEMENT SYSTEMS
FLIGHT PATHS
FLIGHT PLANS
FLIGHT RULES
GUIDANCE (MOTION)
HYPERBOLIC NAVIGATION
INERTIAL NAVIGATION
INSTRUMENT FLIGHT RULES
LORAN
LORAN C
LORAN D
NATIONAL AIRSPACE UTILIZATION SYSTEM
NAVIGATION AIDS
OMEGA NAVIGATION SYSTEM
POLAR NAVIGATION
RADAR NAVIGATION
RADIO NAVIGATION
SHORAN
SOLAR COMPASSES
SPACE NAVIGATION
TACAN
VHF OMNIRANGE NAVIGATION
VISUAL FLIGHT

AIR PIRACY
0203 3403
UF HIJACKING
RT AIRCRAFT SAFETY
AIRPORT SECURITY
CRIME
FLIGHT HAZARDS
FLIGHT SAFETY
OPERATIONAL HAZARDS

AIR POLLUTION
0411 0505 2003 0504
UF ATMOSPHERIC IMPURITIES
GS POLLUTION
.ENVIRONMENT POLLUTION
.#AIR POLLUTION
...GLOBAL AIR POLLUTION
...INDOOR AIR POLLUTION
RT ACID RAIN
AEROBIOLOGY
AEROSOLS
ASHES
ATMOSPHERIC CHEMISTRY
ATMOSPHERIC COMPOSITION
ATMOSPHERIC DENSITY
ATMOSPHERIC EFFECTS
CHLOROFLUOROCARBONS
CHLOROFLUOROMETHANE
CLEAN ENERGY
CLIMATE CHANGE
COMBUSTION PRODUCTS
CONTAMINATION
DIFFUSION
DROPS (LIQUIDS)
DUST
EARTH ATMOSPHERE
EARTH ENVIRONMENT
EFFLUENTS
ENVIRONMENT EFFECTS
ENVIRONMENT PROTECTION
ENVIRONMENTAL CHEMISTRY
ENVIRONMENTAL QUALITY
ENVIRONMENTAL SURVEYS
ENVIRONMENTS
EXHAUST GASES
EXHAUST SYSTEMS
FALLOUT
FLUE GASES
FLY ASH
FOREST FIRES
GLOBAL AIR SAMPLING PROGRAM
HAZE
HUMAN WASTES
METABOLIC WASTES
MIDDLE ATMOSPHERE
MIXING HEIGHT
MUTAGENS
NITROUS ACID
ODORS
ORGANIC PEROXIDES
OXIDIZERS
OZONE DEPLETION
PARTICLES
PARTICULATES
PHOTOCHEMICAL OXIDANTS
POLLEN
POLLUTION MONITORING
POLLUTION TRANSPORT
POLYNUCLEAR ORGANIC COMPOUNDS
SMOG
SMOKE
SMOKE ABATEMENT
SOOT
TEMPERATURE INVERSIONS
WASTE DISPOSAL
WASTES
WIND (METEOROLOGY)

AIR PURIFICATION
0505
GS PURIFICATION
#AIR PURIFICATION
RT CARBON DIOXIDE CONCENTRATION
CARBON DIOXIDE REMOVAL
DECONTAMINATION
ELECTROSTATIC PRECIPITATORS
HOPCALITE (TRADEMARK)
REBREATHING
STERILIZATION
VENTILATION

AIR QUALITY
1306 1308
GS QUALITY
.ENVIRONMENTAL QUALITY
.#AIR QUALITY
RT EARTH ATMOSPHERE
ENVIRONMENTS
INDOOR AIR POLLUTION
PARTICULATES
POLLUTION CONTROL
POLLUTION MONITORING

AIR SAMPLING
0411 0505 1301 1302 2003
GS SAMPLING
#AIR SAMPLING
RT ELECTROSTATIC PRECIPITATORS
ENVIRONMENT POLLUTION
GAS ANALYSIS
GLOBAL AIR SAMPLING PROGRAM
INDOOR AIR POLLUTION
PARTICULATES
SMOG

AIR SEA ICE INTERACTIONS
1310 2003
GS GAS-LIQUID INTERACTIONS
.AIR WATER INTERACTIONS
.#AIR SEA ICE INTERACTIONS
RT % INTERACTIONS
SEA ICE

AIR SEA INTERACTIONS

USE AIR WATER INTERACTIONS

AIR SICKNESS
USE MOTION SICKNESS

AIR SLEW MISSILES
3101
GS MISSILES
#AIR SLEW MISSILES
RT MANEUVERABILITY
% ROCKETS
SOLID PROPELLANT ROCKET ENGINES
THRUST VECTOR CONTROL

AIR START
2808
UF ENGINE RELIGHT (IN-FLIGHT)
IN-FLIGHT STARTING
GS STARTING
#AIR START
RT AIRCRAFT CONTROL
AIRCRAFT ENGINES
ENGINE CONTROL
FLIGHT TESTS

AIR TO AIR MISSILES
3101 3401
UF AIR TO AIR ROCKETS
GS MISSILES
#AIR TO AIR MISSILES
..FALCON MISSILE
..MATRA MISSILE
..SIDEWINDER MISSILES
..SPARROW MISSILES
...SPARROW 2 MISSILE
...SPARROW 3 MISSILE
RT ANTIAIRCRAFT MISSILES
RAMJET MISSILES
SIAM MISSILES
SPACE WEAPONS
SURFACE TO AIR MISSILES

AIR TO AIR REFUELING
0202 2701
GS REFUELING
#AIR TO AIR REFUELING
RT TANKER AIRCRAFT

AIR TO AIR ROCKETS
USE AIR TO AIR MISSILES

AIR TO SURFACE MISSILES
3101 3401
GS MISSILES
#AIR TO SURFACE MISSILES
..BULLPUP MISSILES
..CONDOR MISSILE
..HARPOON MISSILE
..HOUND DOG MISSILE
..MAVERICK MISSILES
..QUAIL MISSILE
..SHRIKE MISSILE
RT MISS DISTANCE
ORDNANCE
SURFACE TO AIR MISSILES
SURFACE TO SURFACE MISSILES
% SURFACES
WEAPON SYSTEMS

AIR TRAFFIC
0201
GS TRAFFIC
#AIR TRAFFIC
RT AIRCRAFT HAZARDS
AIRLINE OPERATIONS
AIRSPACE
COLLISION AVOIDANCE
FLIGHT HAZARDS
FLIGHT PATHS
FLIGHT PLANS
NATIONAL AIRSPACE UTILIZATION SYSTEM
NATIONAL AVIATION SYSTEM

AIR TRAFFIC CONTROL
0203 0702 2101
GS GROUND BASED CONTROL
#AIR TRAFFIC CONTROL
..AUTOMATED EN ROUTE ATC
..RADAR APPROACH CONTROL
TRAFFIC CONTROL
#AIR TRAFFIC CONTROL
..AUTOMATED EN ROUTE ATC
..RADAR APPROACH CONTROL
RT AERONAUTICAL SATELLITES
AIRBORNE RADAR APPROACH
AIRCRAFT APPROACH SPACING
AIRCRAFT COMMUNICATION
AIRCRAFT GUIDANCE
AIRCRAFT SAFETY
AIRPORT SURFACE DETECTION EQUIPMENT
AIRPORT TOWERS
AIRPORTS
AIRSPACE
APPROACH
APPROACH CONTROL
APPROACH INDICATORS
ATTITUDE CONTROL
AUTOMATED PILOT ADVISORY SYSTEM
AUTOMATED RADAR TERMINAL SYSTEM
BEACON COLLISION AVOIDANCE SYSTEM
COLLISION AVOIDANCE
COLLISIONS
% CONTROL
DISCRETE ADDRESS BEACON SYSTEM
FLIGHT ALTITUDE
FLIGHT CONTROL
FLIGHT MANAGEMENT SYSTEMS
FLIGHT PATHS
FLIGHT PLANS
FLIGHT RULES
FLIGHT SAFETY
FLIGHT TIME
GROUND SUPPORT EQUIPMENT
GROUND-AIR-GROUND COMMUNICATION
HELIPORTS
INSTRUMENT FLIGHT RULES
INSTRUMENT LANDING SYSTEMS
LANDING
LANDING AIDS
LANDING INSTRUMENTS
LANDING RADAR
LOCATES SYSTEM
MICROWAVE LANDING SYSTEMS
MIDAIR COLLISIONS
MILITARY AIR FACILITIES
NATIONAL AIRSPACE SYSTEM
NATIONAL AIRSPACE UTILIZATION SYSTEM
NATIONAL AVIATION SYSTEM
NAVIGATION AIDS
% OPERATIONS
RADAR NAVIGATION
RADIO NAVIGATION
ROUTES
SOLAR COMPASSES
SURVEILLANCE RADAR
TAKEOFF
TAXIING
TOWERS
TRACKING (POSITION)
TRANSPONDERS
VORTEX ADVISORY SYSTEM
VORTEX AVOIDANCE

AIR TRAFFIC CONTROLLERS (PERSONNEL)
0203
GS PERSONNEL
#AIR TRAFFIC CONTROLLERS (PERSONNEL)
RT AIRPORT TOWERS
GROUND BASED CONTROL
LANDING AIDS
TRAFFIC CONTROL

```
AIR TRANSPORTATION
  0204 0207 1101 3401
  GS   TRANSPORTATION
       #AIR TRANSPORTATION
  RT   AIRLINE OPERATIONS
       COMMERCIAL AIRCRAFT
       COMMUTER AIRCRAFT
       COMPOUND HELICOPTERS
       GENERAL AVIATION AIRCRAFT
       MARINE TRANSPORTATION
       NATIONAL AVIATION SYSTEM
       PASSENGER AIRCRAFT
       RAPID TRANSIT SYSTEMS
       SHORT HAUL AIRCRAFT
       TRANSPORT AIRCRAFT

AIR WATER INTERACTIONS
  1301 1308 1310 2003 3303
  UF   AIR SEA INTERACTIONS
  GS   GAS-LIQUID INTERACTIONS
       #AIR WATER INTERACTIONS
       ..AIR SEA ICE INTERACTIONS
  RT   ATMOSPHERIC & OCEANOGRAPHIC INFORM
       SYS
       EL NINO
       GYRES
       HYDROLOGICAL CYCLE
     % INTERACTIONS
       LIQUID-GAS MIXTURES
       LIQUID-VAPOR INTERFACES
       OCEAN DYNAMICS
       OCEAN MODELS
       SEA SURFACE TEMPERATURE
       WATER TUNNEL TESTS

AIRBORNE EQUIPMENT
  0202 0203 1402
  GS   ONBOARD EQUIPMENT
       #AIRBORNE EQUIPMENT
       ..AIRBORNE/SPACEBORNE COMPUTERS
       ..LIGHT AIRBORNE MULTIPURPOSE
         SYSTEM
       ..TERCOM
  RT   ADVANCED RANGE INSTRUMENTATION
       AIRCRAFT
       AIRBORNE RADAR
       AIRCRAFT COMMUNICATION
       AIRCRAFT EQUIPMENT
       ASTROPLANE
       AUTOMATIC LANDING CONTROL
       AVIONICS
       BALLOON-BORNE INSTRUMENTS
     % ELECTRIC EQUIPMENT
     % EQUIPMENT
       FLIGHT INSTRUMENTS
       HYDRAULIC EQUIPMENT
       KUIPER AIRBORNE OBSERVATORY
       MAP MATCHING GUIDANCE
       MATTS (SYSTEMS)
       RADAR EQUIPMENT
       RADIO EQUIPMENT
       VACUUM ARC SWITCHES

AIRBORNE INFECTION
  0401
  GS   DISEASES
       .INFECTIOUS DISEASES
       .#AIRBORNE INFECTION
  RT   AEROBIOLOGY
       PARASITIC DISEASES

AIRBORNE INTEGRATED RECONNAISSANCE SYSTEM
  1401 3501
  UF   AIRS (RECONNAISSANCE SYS)
  GS   RECONNAISSANCE
       .AERIAL RECONNAISSANCE
       .#AIRBORNE INTEGRATED
         RECONNAISSANCE SYSTEM
  RT   GROUND TRUTH
       PHOTORECONNAISSANCE
     % SYSTEMS
       TARGETS

AIRBORNE LASERS
  1601
  GS   ONBOARD EQUIPMENT
       #AIRBORNE LASERS
       STIMULATED EMISSION DEVICES
       .LASERS
       .#AIRBORNE LASERS
  RT   LASER APPLICATIONS
       LASER RANGER/TRACKER
       REMOTE SENSORS
       SPACEBORNE LASERS

AIRBORNE RADAR
  0705
  GS   RADAR
       #AIRBORNE RADAR
       ..AIRBORNE SURVEILLANCE RADAR
  RT   AIRBORNE EQUIPMENT
       CLUTTER
       DIGITAL RADAR SYSTEMS
       DOPPLER RADAR
       RADAR ECHOES
       RADAR EQUIPMENT
       RADAR IMAGERY
       RADAR MAPS
       RADAR RECEIVERS
       RADAR TARGETS
       REMOTE SENSING
       REMOTE SENSORS
       SIDE-LOOKING RADAR
       SPACE BASED RADAR
       SYNTHETIC APERTURE RADAR

AIRBORNE RADAR APPROACH
  2101
  GS   APPROACH
       #AIRBORNE RADAR APPROACH
  RT   AIR TRAFFIC CONTROL
       AIRCRAFT APPROACH SPACING
       HELICOPTER CONTROL
       HELICOPTERS
       LANDING AIDS
       RADAR APPROACH CONTROL

AIRBORNE RANGE AND ORBIT DETERMINATION
  2104 3502
  UF   AROD (RANGE-ORBIT DETERMINATION)
  GS   RANGEFINDING
       #AIRBORNE RANGE AND ORBIT
        DETERMINATION
  RT % MEASUREMENT
       ORBITS

AIRBORNE SURVEILLANCE RADAR
  0705 0709 3401
  GS   RADAR
       .AIRBORNE RADAR
       .#AIRBORNE SURVEILLANCE RADAR
       .SURVEILLANCE RADAR
       .#AIRBORNE SURVEILLANCE RADAR
  RT   AIRCRAFT INSTRUMENTS
       DISPLAY DEVICES
       ONBOARD EQUIPMENT

AIRBORNE WARNING AND CONTROL SYSTEM
  USE  AWACS AIRCRAFT

AIRBORNE/SPACEBORNE COMPUTERS
  0801
  UF   FLIGHT COMPUTERS
       ONBOARD COMPUTERS
       SPACECRAFT COMPUTERS
  GS   DATA PROCESSING EQUIPMENT
       .COMPUTERS
       ..EMBEDDED COMPUTER SYSTEMS
       ..#AIRBORNE/SPACEBORNE COMPUTERS
       ONBOARD EQUIPMENT
       .AIRBORNE EQUIPMENT
       .#AIRBORNE/SPACEBORNE COMPUTERS
  RT   DATA PROCESSING
       FLIGHT MANAGEMENT SYSTEMS
       HIGHLY MANEUVERABLE AIRCRAFT
```

MINICOMPUTERS
ONBOARD DATA PROCESSING
SPACECRAFT COMPONENTS
SPACECRAFT ELECTRONIC EQUIPMENT
SYSTEMS INTEGRATION

AIRBUS
USE EUROPEAN AIRBUS

% AIRCRAFT
0201
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
UF AERODYNAMIC VEHICLES
RT A-1 AIRCRAFT
A-2 AIRCRAFT
A-3 AIRCRAFT
A-4 AIRCRAFT
A-5 AIRCRAFT
A-6 AIRCRAFT
A-7 AIRCRAFT
A-9 AIRCRAFT
A-10 AIRCRAFT
A-37 AIRCRAFT
A-300 AIRCRAFT
ADVANCED RANGE INSTRUMENTATION
AIRCRAFT
AERODYNAMICS
AERONAUTICAL ENGINEERING
% AERONAUTICS
AEROSPACE ENGINEERING
AEROSPACE INDUSTRY
AEROSPACE PLANES
AEROSPACE VEHICLES
AGRICULTURAL AIRCRAFT
AIR DATA SYSTEMS
AIRCRAFT ACCIDENT INVESTIGATION
AIRCRAFT ACCIDENTS
AIRCRAFT ANTENNAS
AIRCRAFT APPROACH SPACING
AIRCRAFT BRAKES
AIRCRAFT CARRIERS
AIRCRAFT COMMUNICATION
AIRCRAFT COMPARTMENTS
AIRCRAFT CONFIGURATIONS
AIRCRAFT CONSTRUCTION MATERIALS
AIRCRAFT CONTROL
AIRCRAFT DESIGN
AIRCRAFT DETECTION
AIRCRAFT ENGINES
AIRCRAFT EQUIPMENT
AIRCRAFT FUEL SYSTEMS
AIRCRAFT FUELS
AIRCRAFT GUIDANCE
AIRCRAFT HAZARDS
AIRCRAFT HYDRAULIC SYSTEMS
AIRCRAFT INDUSTRY
AIRCRAFT INSTRUMENTS
AIRCRAFT LANDING
AIRCRAFT LIGHTS
AIRCRAFT MAINTENANCE
AIRCRAFT MANEUVERS
AIRCRAFT NOISE
AIRCRAFT PARTS
AIRCRAFT PERFORMANCE
AIRCRAFT PILOTS
AIRCRAFT PRODUCTION
AIRCRAFT PRODUCTION COSTS
AIRCRAFT RELIABILITY
AIRCRAFT RUNUP
AIRCRAFT SAFETY
AIRCRAFT SPECIFICATIONS
AIRCRAFT SPIN
AIRCRAFT STABILITY
AIRCRAFT STRUCTURES
AIRCRAFT SURVIVABILITY
AIRCRAFT TIRES
AIRCRAFT WAKES
AIRSHIPS
ALADIN 2 AIRCRAFT
ALOUETTE HELICOPTERS
ALPHA JET AIRCRAFT
AMPHIBIOUS AIRCRAFT
AN-2 AIRCRAFT
AN-22 AIRCRAFT
AN-24 AIRCRAFT
ANTISUBMARINE WARFARE AIRCRAFT
ANTONOV AIRCRAFT
ARGOSY MK-1 AIRCRAFT
ASSET GLIDERS
ATLIT PROJECT
ATTACK AIRCRAFT
AVRO 707 AIRCRAFT
AWACS AIRCRAFT
B-1 AIRCRAFT
B-2 AIRCRAFT
B-26 AIRCRAFT
B-47 AIRCRAFT
B-50 AIRCRAFT
B-52 AIRCRAFT
B-57 AIRCRAFT
B-58 AIRCRAFT
B-66 AIRCRAFT
B-70 AIRCRAFT
BAC AIRCRAFT
BAC 111 AIRCRAFT
BALLOONS
BEAGLE AIRCRAFT
BEECH 99 AIRCRAFT
BEECHCRAFT AIRCRAFT
BEECHCRAFT 18 AIRCRAFT
BELL AIRCRAFT
BELL 214A HELICOPTER
BIPLANES
BIRD-AIRCRAFT COLLISIONS
BOEING AIRCRAFT
BOEING 707 AIRCRAFT
BOEING 720 AIRCRAFT
BOEING 727 AIRCRAFT
BOEING 733 AIRCRAFT
BOEING 737 AIRCRAFT
BOEING 747 AIRCRAFT
BOEING 757 AIRCRAFT
BOEING 767 AIRCRAFT
BOEING 2707 AIRCRAFT
BOLKOW AIRCRAFT
BOMBER AIRCRAFT
BOOSTGLIDE VEHICLES
BREGUET AIRCRAFT
BREGUET 940 AIRCRAFT
BREGUET 941 AIRCRAFT
BREGUET 1150 AIRCRAFT
BUCCANEER AIRCRAFT
C-1A AIRCRAFT
C-2 AIRCRAFT
C-5 AIRCRAFT
C-8A AUGMENTOR WING AIRCRAFT
C-9 AIRCRAFT
C-15 AIRCRAFT
C-33 AIRCRAFT
C-35 AIRCRAFT
C-46 AIRCRAFT
C-47 AIRCRAFT
C-54 AIRCRAFT
C-118 AIRCRAFT
C-119 AIRCRAFT
C-121 AIRCRAFT
C-123 AIRCRAFT
C-124 AIRCRAFT
C-130 AIRCRAFT
C-131 AIRCRAFT
C-133 AIRCRAFT
C-135 AIRCRAFT
C-140 AIRCRAFT
C-141 AIRCRAFT
C-160 AIRCRAFT
CANADAIR AIRCRAFT
CANBERRA AIRCRAFT
CARGO AIRCRAFT
CEILING (AIRCRAFT CAPABILITY)
CESSNA AIRCRAFT
CESSNA L-19 AIRCRAFT
CESSNA 172 AIRCRAFT
CESSNA 205 AIRCRAFT

CESSNA 402B AIRCRAFT
CHANCE-VOUGHT AIRCRAFT
CHINESE AIRCRAFT
CL-41 AIRCRAFT
CL-44 AIRCRAFT
CL-84 AIRCRAFT
CL-600 CHALLENGER AIRCRAFT
CL-823 AIRCRAFT
COIN AIRCRAFT
COMET 4 AIRCRAFT
COMMERCIAL AIRCRAFT
COMMUTER AIRCRAFT
COMPOUND HELICOPTERS
CONCORDE AIRCRAFT
CURTISS-WRIGHT AIRCRAFT
CV-340 AIRCRAFT
CV-440 AIRCRAFT
CV-880 AIRCRAFT
CV-990 AIRCRAFT
D-558 AIRCRAFT
DASSAULT AIRCRAFT
DC 3 AIRCRAFT
DC 7 AIRCRAFT
DC 8 AIRCRAFT
DC 9 AIRCRAFT
DC 10 AIRCRAFT
DE HAVILLAND AIRCRAFT
DH 112 AIRCRAFT
DH 115 AIRCRAFT
DH 121 AIRCRAFT
DH 125 AIRCRAFT
DHC 2 AIRCRAFT
DHC 4 AIRCRAFT
DHC 5 AIRCRAFT
DO-27 AIRCRAFT
DO-28 AIRCRAFT
DO-31 AIRCRAFT
DORNIER AIRCRAFT
DOUGLAS AIRCRAFT
DRONE AIRCRAFT
E-2 AIRCRAFT
E-3A AIRCRAFT
E-4A AIRCRAFT
EARTH RESOURCES SURVEY AIRCRAFT
EC-121 AIRCRAFT
ELECTRA AIRCRAFT
ELECTRONIC AIRCRAFT
EUROPEAN AIRBUS
F-2 AIRCRAFT
F-4 AIRCRAFT
F-5 AIRCRAFT
F-8 AIRCRAFT
F-9 AIRCRAFT
F-14 AIRCRAFT
F-15 AIRCRAFT
F-16 AIRCRAFT
F-17 AIRCRAFT
F-18 AIRCRAFT
F-22 AIRCRAFT
F-27 AIRCRAFT
F-28 TRANSPORT AIRCRAFT
F-84 AIRCRAFT
F-86 AIRCRAFT
F-89 AIRCRAFT
F-94 AIRCRAFT
F-100 AIRCRAFT
F-101 AIRCRAFT
F-102 AIRCRAFT
F-104 AIRCRAFT
F-105 AIRCRAFT
F-106 AIRCRAFT
F-111 AIRCRAFT
F-117A AIRCRAFT
FAIRCHILD-HILLER AIRCRAFT
FAIREY AIRCRAFT
FAN IN WING AIRCRAFT
FD 2 AIRCRAFT
FIAT AIRCRAFT
FIGHTER AIRCRAFT
FIREBEE 2 TARGET DRONE AIRCRAFT
FLIGHT TEST VEHICLES
FLYING PLATFORMS
FOKKER AIRCRAFT
FOLDING FIN AIRCRAFT ROCKET VEHICLE
FREE WING AIRCRAFT
FV-12A AIRCRAFT
G-1 AIRCRAFT
G-91 AIRCRAFT
G-95/4 AIRCRAFT
G-222 AIRCRAFT
GA-5 AIRCRAFT
GENERAL AVIATION AIRCRAFT
GENERAL DYNAMICS AIRCRAFT
GETOL AIRCRAFT
GLIDERS
GROUND EFFECT MACHINES
GRUMMAN AIRCRAFT
GYRODYNE AIRCRAFT
H-17 HELICOPTER
H-19 HELICOPTER
H-43 HELICOPTER
H-53 HELICOPTER
H-54 HELICOPTER
H-56 HELICOPTER
H-60 HELICOPTER
H-126 AIRCRAFT
HAMBURGER AIRCRAFT
HANDLEY PAGE AIRCRAFT
HANG GLIDERS
HARRIER AIRCRAFT
HAWKER SIDDELEY AIRCRAFT
HEAVY LIFT HELICOPTERS
HEINKEL AIRCRAFT
HELICOPTERS
HELIO AIRCRAFT
HFB-320 AIRCRAFT
HIGHLY MANEUVERABLE AIRCRAFT
HILLER AIRCRAFT
HOVERCRAFT GROUND EFFECT MACHINES
HP-115 AIRCRAFT
HS-748 AIRCRAFT
HS-801 AIRCRAFT
HUGHES AIRCRAFT
HYPERSONIC AIRCRAFT
HYPERSONIC GLIDERS
IL-14 AIRCRAFT
IL-62 AIRCRAFT
ILYUSHIN AIRCRAFT
INFLATABLE GLIDERS
JAGUAR AIRCRAFT
JET AIRCRAFT
JET AIRCRAFT NOISE
JET PROVOST AIRCRAFT
JETSTREAM AIRCRAFT
JINDIVIK TARGET AIRCRAFT
KA-6 SAILPLANES
KAMAN AIRCRAFT
KAWASAKI AIRCRAFT
L-1011 AIRCRAFT
L-2000 AIRCRAFT
LEAR JET AIRCRAFT
LIFTING REENTRY VEHICLES
LIGHT AIRCRAFT
LIGHT HELICOPTERS
LIGHT INTRATHEATER TRANSPORT
LIGHT TRANSPORT AIRCRAFT
LING-TEMCO-VOUGHT AIRCRAFT
LOCKHEED AIRCRAFT
LOCKHEED MODEL 18 AIRCRAFT
% LOW WING AIRCRAFT
MAN POWERED AIRCRAFT
MARTIN AIRCRAFT
MCDONNELL AIRCRAFT
MCDONNELL DOUGLAS AIRCRAFT
MERCURE AIRCRAFT
METEOROLOGICAL RESEARCH AIRCRAFT
MH-262 AIRCRAFT
MIG AIRCRAFT
MIL AIRCRAFT
MILITARY AIR FACILITIES
% MILITARY AIRCRAFT
MILITARY HELICOPTERS
MONOPLANES
MRCA AIRCRAFT
MULTIENGINE VEHICLES

NAVION AIRCRAFT
NIGHT FLIGHTS (AIRCRAFT)
NIHON AIRCRAFT
NOISE PREDICTION (AIRCRAFT)
NORD AIRCRAFT
NORD 1500 AIRCRAFT
NORTH AMERICAN AIRCRAFT
NORTHROP AIRCRAFT
NUCLEAR PROPELLED AIRCRAFT
OBSERVATION AIRCRAFT
ONBOARD EQUIPMENT
OV-1 AIRCRAFT
OV-10 AIRCRAFT
P-3 AIRCRAFT
P-51 AIRCRAFT
P-160 AIRCRAFT
P-166 AIRCRAFT
P-308 AIRCRAFT
P-1127 AIRCRAFT
P-1154 AIRCRAFT
PA-34 SENECA AIRCRAFT
PANAVIA MILITARY AIRCRAFT
PASSENGER AIRCRAFT
PD-808 AIRCRAFT
PHANTOM AIRCRAFT
PIAGGIO AIRCRAFT
PIASECKI AIRCRAFT
PILOTLESS AIRCRAFT
PIPER AIRCRAFT
POTEZ AIRCRAFT
POWERED LIFT AIRCRAFT
PROPULSION
QUESTOL AIRCRAFT
RB-50 AIRCRAFT
RECONNAISSANCE AIRCRAFT
REMOTELY PILOTED VEHICLES
REPUBLIC AIRCRAFT
RESEARCH AIRCRAFT
RF-4 AIRCRAFT
RIGID ROTOR HELICOPTERS
ROCKET PLANES
ROTARY WING AIRCRAFT
ROTOR SYSTEMS RESEARCH AIRCRAFT
RYAN AIRCRAFT
S-2 AIRCRAFT
S-3 AIRCRAFT
S-61 HELICOPTER
S-67 HELICOPTER
SA-321 HELICOPTER
SA-330 HELICOPTER
SAAB AIRCRAFT
SAAB 37 AIRCRAFT
SAAB 105 AIRCRAFT
SC-1 AIRCRAFT
SC-5 AIRCRAFT
SC-7 AIRCRAFT
SCHLEICHER AIRCRAFT
SCIMITAR AIRCRAFT
SE-210 AIRCRAFT
SHORT HAUL AIRCRAFT
SHORT TAKEOFF AIRCRAFT
SIEBEL AIRCRAFT
SIKORSKY AIRCRAFT
SIKORSKY WHIRLWIND HELICOPTER
SINGLE ENGINE AIRCRAFT
SNOW AIRCRAFT
SOLAR POWERED AIRCRAFT
SPANLOADER AIRCRAFT
SR-71 AIRCRAFT
SUBMERSIBLE AIRCRAFT
% SUBSONIC AIRCRAFT
SUD AVIATION AIRCRAFT
SUPERSONIC AIRCRAFT
SUPERSONIC CRUISE AIRCRAFT RESEARCH
T-2 AIRCRAFT
T-28 AIRCRAFT
T-33 AIRCRAFT
T-37 AIRCRAFT
T-38 AIRCRAFT
T-39 AIRCRAFT
TACT PROGRAM
TAILLESS AIRCRAFT
TANDEM ROTOR HELICOPTERS
TANDEM WING AIRCRAFT
TANKER AIRCRAFT
TARGET DRONE AIRCRAFT
TERRAIN FOLLOWING AIRCRAFT
TEST VEHICLES
TILT ROTOR AIRCRAFT
TILT ROTOR RESEARCH AIRCRAFT
PROGRAM
TILT WING AIRCRAFT
TRAINING AIRCRAFT
TRANSATMOSPHERIC VEHICLES
TRANSPORT AIRCRAFT
TS-11 AIRCRAFT
TSR-2 AIRCRAFT
TU-104 AIRCRAFT
TU-124 AIRCRAFT
TU-134 AIRCRAFT
TU-144 AIRCRAFT
TU-154 AIRCRAFT
TUPOLEV AIRCRAFT
TURBOFAN AIRCRAFT
TURBOPROP AIRCRAFT
U-2 AIRCRAFT
U-10 AIRCRAFT
ULTRALIGHT AIRCRAFT
UNIDENTIFIED FLYING OBJECTS
UTILITY AIRCRAFT
V-22 AIRCRAFT
V/STOL AIRCRAFT
VALIANT AIRCRAFT
VAMPIRE MK 35 AIRCRAFT
VATOL AIRCRAFT
VC-10 AIRCRAFT
VERTICAL TAKEOFF AIRCRAFT
VICTOR MK-1 AIRCRAFT
VISCOUNT AIRCRAFT
VJ-101 AIRCRAFT
VULCAN AIRCRAFT
VZ-2 AIRCRAFT
VZ-8 AIRCRAFT
WATER TAKEOFF AND LANDING AIRCRAFT
WEAPONS DELIVERY
WEATHER RECONNAISSANCE AIRCRAFT
WESER AIRCRAFT
WESTLAND AIRCRAFT
WESTLAND GROUND EFFECT MACHINES
WESTLAND WHIRLWIND HELICOPTER
WING NACELLE CONFIGURATIONS
% WINGED VEHICLES
X-1 AIRCRAFT
X-2 AIRCRAFT
X-3 AIRCRAFT
X-5 AIRCRAFT
X-13 AIRCRAFT
X-14 AIRCRAFT
X-15 AIRCRAFT
X-19 AIRCRAFT
X-20 AIRCRAFT
X-21 AIRCRAFT
X-21A AIRCRAFT
X-22 AIRCRAFT
X-22A AIRCRAFT
X-24 AIRCRAFT
X-29 AIRCRAFT
XC-142 AIRCRAFT
XV-3 AIRCRAFT
XV-4 AIRCRAFT
XV-5 AIRCRAFT
XV-8A AIRCRAFT
XV-9A AIRCRAFT
XV-11A AIRCRAFT
XV-15 AIRCRAFT
YAK 40 AIRCRAFT
YC-14 AIRCRAFT
YF-12 AIRCRAFT
YF-16 AIRCRAFT

AIRCRAFT ACCIDENT INVESTIGATION
0203 0502 0506 0508
GS INVESTIGATION
.ACCIDENT INVESTIGATION
.#AIRCRAFT ACCIDENT INVESTIGATION

```
  RT % AIRCRAFT
       AVIATION METEOROLOGY
       INSURANCE (CONTRACTS)

AIRCRAFT ACCIDENTS
  0203 2101
  GS  #AIRCRAFT ACCIDENTS
       .BIRD-AIRCRAFT COLLISIONS
  RT   ACCIDENTS
     % AIRCRAFT
       AIRCRAFT SAFETY
       AVIATION METEOROLOGY
       COLLISIONS
       CRASH LANDING
       CRASHES
       CRASHWORTHINESS
       DITCHING (LANDING)
       FLIGHT HAZARDS
       FLIGHT SAFETY
       HUMAN FACTORS ENGINEERING
       INSURANCE (CONTRACTS)
       MALFUNCTIONS
       MIDAIR COLLISIONS
       PILOT ERROR
       WEATHER

AIRCRAFT ANTENNAS
  0202 0901
  GS   ANTENNAS
       #AIRCRAFT ANTENNAS
  RT % AIRCRAFT
       LOOP ANTENNAS
       MICROWAVE ANTENNAS
       MISSILE ANTENNAS
       PROTUBERANCES
       RADAR ANTENNAS
       RADIO ANTENNAS

AIRCRAFT APPROACH SPACING
  0203
  GS   SPACING
       #AIRCRAFT APPROACH SPACING
  RT   AERONAUTICAL SATELLITES
       AIR TRAFFIC CONTROL
       AIRBORNE RADAR APPROACH
     % AIRCRAFT
       AIRCRAFT SAFETY
       AIRSPACE
       APPROACH
       APPROACH CONTROL
       COLLISION AVOIDANCE
       FLIGHT SAFETY
       GLIDE PATHS
       GROUND BASED CONTROL
       INSTRUMENT APPROACH
       NATIONAL AIRSPACE UTILIZATION
       SYSTEM
       NATIONAL AVIATION SYSTEM
       VORTEX ADVISORY SYSTEM
       VORTEX AVOIDANCE

AIRCRAFT BASES
  USE  MILITARY AIR FACILITIES

AIRCRAFT BRAKES
  0202 0203 0208
  GS   BRAKES (FOR ARRESTING MOTION)
       #AIRCRAFT BRAKES
       ..SPLIT FLAPS
       ..WING FLAPS
       ...LEADING EDGE SLATS
       ...TRAILING EDGE FLAPS
  RT   AERODYNAMIC BRAKES
     % AIRCRAFT
       ANTISKID DEVICES
       BALLUTES
       DRAG CHUTES
       DRAG DEVICES
       THRUST REVERSAL
       TOWED BODIES
       WHEEL BRAKES

AIRCRAFT CABINS
  USE  AIRCRAFT COMPARTMENTS

AIRCRAFT CARRIERS
  3401 0207
  GS   SURFACE VEHICLES
       #AIRCRAFT CARRIERS
       WATER VEHICLES
       .SHIPS
       .#AIRCRAFT CARRIERS
  RT % AIRCRAFT
       ARRESTING GEAR
     % CARRIERS
       MILITARY AIR FACILITIES
     % MILITARY AIRCRAFT
     % MILITARY VEHICLES
       NAVY
       NUCLEAR POWERED SHIPS

AIRCRAFT COMMUNICATION
  0203 0702 1402 2101
  GS   COMMUNICATING
       #AIRCRAFT COMMUNICATION
       TELECOMMUNICATION
       #AIRCRAFT COMMUNICATION
  RT   AERONAUTICAL SATELLITES
       AIR TRAFFIC CONTROL
       AIRBORNE EQUIPMENT
     % AIRCRAFT
       APPROACH CONTROL
       AVIONICS
       GROUND-AIR-GROUND COMMUNICATION
       RADAR BEACONS
       RADIO COMMUNICATION
       WIRELESS COMMUNICATION

AIRCRAFT COMPARTMENTS
  0202 0506
  UF   AIRCRAFT CABINS
       AIRCRAFT INTERIORS
  GS   COMPARTMENTS
       #AIRCRAFT COMPARTMENTS
  RT % AIRCRAFT
       BAYS (STRUCTURAL UNITS)
       CABIN ATMOSPHERES
     % CABINS
       COCKPITS
       GONDOLAS
       PRESSURIZED CABINS
       WINDSHIELDS

AIRCRAFT CONFIGURATIONS
  0102 0201 3203
  UF   FIXED-WING AIRCRAFT
  GS  #AIRCRAFT CONFIGURATIONS
       .DROOPED AIRFOILS
  RT   AERODYNAMIC CONFIGURATIONS
       AERODYNAMIC INTERFERENCE
     % AIRCRAFT
       COMPOUND HELICOPTERS
     % CONFIGURATIONS
       CONTROL CONFIGURED VEHICLES
       FLARED BODIES
     % FLIGHT VEHICLES
       JOINED WINGS
     % LOW WING AIRCRAFT
       MISSILE CONFIGURATIONS
       PROPULSION SYSTEM CONFIGURATIONS
       SPACECRAFT CONFIGURATIONS
       UNDER SURFACE BLOWING
       UPPER SURFACE BLOWING
       WING ROOTS

AIRCRAFT CONSTRUCTION
  USE  AIRCRAFT STRUCTURES

AIRCRAFT CONSTRUCTION MATERIALS
  0201
  GS  #AIRCRAFT CONSTRUCTION MATERIALS
       .AIRFRAME MATERIALS
  RT % AIRCRAFT
       AIRFRAMES
       ALUMINUM-LITHIUM ALLOYS
```

```
      CERAMIC MATRIX COMPOSITES
      COMPOSITE MATERIALS
    % CONSTRUCTION MATERIALS
      FUNCTIONALLY GRADIENT MATERIALS
      FUSELAGES
      LITHIUM ALLOYS
    % MATERIALS
      PLASTIC AIRCRAFT STRUCTURES
      SKIN (STRUCTURAL MEMBER)
      STRUCTURAL MEMBERS
      WINGS

AIRCRAFT CONTROL
  0104 0202 0203 1402
  UF   FLAP CONTROL
  GS  #AIRCRAFT CONTROL
       .HELICOPTER CONTROL
  RT   ACTIVE CONTROL
       AIR START
    % AIRCRAFT
      ATTITUDE CONTROL
      AUTOMATIC CONTROL
      AUTOMATIC FLIGHT CONTROL
    % CONTROL
      CONTROL EQUIPMENT
      CONTROL SIMULATION
      CONTROL STABILITY
      CONTROL STICKS
      CONTROLLABILITY
      DAST PROGRAM
      DIRECTIONAL CONTROL
      ENGINE CONTROL
      FLIGHT CONTROL
      FLIGHT ENVELOPES
      FLIGHT INSTRUMENTS
      FLY BY LIGHT CONTROL
      FLY BY TUBE CONTROL
      FLY BY WIRE CONTROL
      GROUND BASED CONTROL
      LATERAL CONTROL
      LONGITUDINAL CONTROL
      MANEUVERABILITY
      MANUAL CONTROL
      MINOR CIRCLE TURNING FLIGHT
      PILOT INDUCED OSCILLATION
      RADIO CONTROL
      REMOTE CONTROL
      STABILITY AUGMENTATION
      TURBOJET ENGINE CONTROL
      VISUAL CONTROL

AIRCRAFT DESIGN
  0201 3404
  GS  #AIRCRAFT DESIGN
       .HELICOPTER DESIGN
  RT   ACOUSTIC RETROFITTING
       AERODYNAMIC CONFIGURATIONS
       AEROELASTIC RESEARCH WINGS
       AERONAUTICAL ENGINEERING
       AEROQUATIC VEHICLES
    % AIRCRAFT
      AIRFOILS
      CHANNEL WINGS
      COMPOUND HELICOPTERS
      COMPUTER AIDED DESIGN
      CONTROL CONFIGURED VEHICLES
      DAST PROGRAM
    % DESIGN
      ENGINE AIRFRAME INTEGRATION
      ENGINE DESIGN
      FLIGHT TESTS
      FREE WING AIRCRAFT
      INDUCED DRAG
      LOFTING
      MISSILE DESIGN
      PANAVIA MILITARY AIRCRAFT
      PRODUCT DEVELOPMENT
      ROTOR SYSTEMS RESEARCH AIRCRAFT
      SHORT HAUL AIRCRAFT
      STREAMLINING
      STRUCTURAL DESIGN
      SYSTEMS ENGINEERING
      TERMINAL CONFIGURED VEHICLE PROGRAM
      TRANSATMOSPHERIC VEHICLES
      TU-154 AIRCRAFT
      VORTEX SHEETS
      WEIGHT REDUCTION
      YF-12 AIRCRAFT

AIRCRAFT DETECTION
  0705 1109 1404 3401 0207
  GS   DETECTION
       #AIRCRAFT DETECTION
  RT % AIRCRAFT
     % DETECTORS
       F-117A AIRCRAFT
       IFF SYSTEMS (IDENTIFICATION)
       INFRARED SUPPRESSION
       TRACKING (POSITION)

AIRCRAFT ENERGY EFFICIENCY PROGRAM
  USE  ACEE PROGRAM

AIRCRAFT ENGINES
  0202 2701 2801 2805
  UF   AIRCRAFT POWER SOURCES
  GS  #AIRCRAFT ENGINES
       .CONVERTIBLE FAN-SHAFT ENGINES
       .HELICOPTER ENGINES
       .J-52 ENGINE
       .J-58 ENGINE
       .J-97 ENGINE
       .T-34 ENGINE
       .T-38 ENGINE
       .T-55 ENGINE
       .T-63 ENGINE
       .T-76 ENGINE
       .T-78 ENGINE
       .TF-30 ENGINE
       .TF-34 ENGINE
       .TF-41 ENGINE
       .VARIABLE CYCLE ENGINES
       .VARIABLE STREAM CONTROL ENGINES
  RT   ACEE PROGRAM
       AIR START
    % AIRCRAFT
      ENGINE AIRFRAME INTEGRATION
      GAS TURBINE ENGINES
      HYDROGEN ENGINES
      INFRARED SUPPRESSION
      INTERNAL COMBUSTION ENGINES
      JET ENGINES
      JET PROPULSION
      LASER PROPULSION
      NUCLEAR PROPULSION
      PISTON ENGINES
    % POWER SUPPLIES
      QUIET ENGINE PROGRAM
      ROCKET ENGINES
      ROTARY ENGINES
      T-58 ENGINE
      T-58-GE-8B ENGINE
      TOPPING CYCLE ENGINES
      TURBINE ENGINES
      WANKEL ENGINES

AIRCRAFT EQUIPMENT
  0202 0203 1402
  GS   ONBOARD EQUIPMENT
       #AIRCRAFT EQUIPMENT
       ..BOMBING EQUIPMENT
       ..EJECTION SEATS
       ...FLYING EJECTION SEATS
       ..TERCOM
  RT   AIRBORNE EQUIPMENT
    % AIRCRAFT
      AIRCRAFT HYDRAULIC SYSTEMS
      AIRCRAFT LIGHTS
      AIRCRAFT POWER SUPPLIES
      AIRCRAFT TIRES
      AUTOMATIC LANDING CONTROL
      AUTOMATIC PILOTS
      AVIONICS
      COMMONALITY
      DISPLAY DEVICES
```

```
    % EQUIPMENT
      FLIGHT INSTRUMENTS
      LANDING AIDS
      LANDING INSTRUMENTS
      LIGHT AIRBORNE MULTIPURPOSE SYSTEM
      NAVIGATION AIDS
      NAVIGATION INSTRUMENTS
      RADIO DIRECTION FINDERS

AIRCRAFT FUEL SYSTEMS
  0303 2701
  GS   FUEL SYSTEMS
       #AIRCRAFT FUEL SYSTEMS
  RT % AIRCRAFT
       FUEL PUMPS
       FUEL TANK PRESSURIZATION
       FUEL TANKS
       FUEL VALVES
    % SYSTEMS

AIRCRAFT FUELS
  2701
  GS   FUELS
       .CHEMICAL FUELS
       ..LIQUID FUELS
       ..#AIRCRAFT FUELS
  RT % AIRCRAFT
       ANTIMISTING FUELS
       AUTOMOBILE FUELS
       HYDROCARBON FUELS
       JET ENGINE FUELS
       LIQUID ROCKET PROPELLANTS
       MONOPROPELLANTS
       SLURRY PROPELLANTS
       SOLID PROPELLANTS
       TANKER AIRCRAFT

AIRCRAFT GUIDANCE
  2101
  GS   GUIDANCE (MOTION)
       #AIRCRAFT GUIDANCE
  RT   AIR TRAFFIC CONTROL
    % AIRCRAFT
       APPROACH CONTROL
       AUTOMATED EN ROUTE ATC
       COLLISION AVOIDANCE
    % INDICATORS
       INSTRUMENT LANDING SYSTEMS
       RADAR APPROACH CONTROL
       RADAR NAVIGATION
       RADARSCOPES
       RADIO NAVIGATION

AIRCRAFT HANGARS
  USE  HANGARS

AIRCRAFT HAZARDS
  0203 2101
  GS   HAZARDS
       #AIRCRAFT HAZARDS
  RT   AIR TRAFFIC
    % AIRCRAFT
       AIRCRAFT ICING
       AVIATION METEOROLOGY
       BIRD-AIRCRAFT COLLISIONS
       BIRDS
       COLLISIONS
       CRASH LANDING
       CRASHES
       FLIGHT HAZARDS
       FLIGHT SAFETY
       FOREIGN BODIES
       HUMAN FACTORS ENGINEERING
       MALFUNCTIONS
       MIDAIR COLLISIONS
       NOISE (SOUND)
       OPERATIONAL HAZARDS
       REFUELING
       THREAT EVALUATION
       TOXIC HAZARDS
       WEATHER

AIRCRAFT HYDRAULIC SYSTEMS
  0202 0203 0303
  GS   HYDRAULIC EQUIPMENT
       #AIRCRAFT HYDRAULIC SYSTEMS
  RT   ACTUATORS
    % AIRCRAFT
       AIRCRAFT EQUIPMENT
       SERVOCONTROL
       SERVOMECHANISMS
    % SYSTEMS

AIRCRAFT ICING
  1301 1302 1408 2003
  UF   WING ICING
  GS   ICE FORMATION
       #AIRCRAFT ICING
  RT   AIRCRAFT HAZARDS
       AIRCRAFT SAFETY
       AVIATION METEOROLOGY
       DEICERS
       DEICING
       FLIGHT CONDITIONS
       FLIGHT HAZARDS
       FLIGHT SAFETY
       ICE PREVENTION

AIRCRAFT INDUSTRY
  0201 3404
  GS   INDUSTRIES
       .AEROSPACE INDUSTRY
       .#AIRCRAFT INDUSTRY
  RT   AERONAUTICAL ENGINEERING
    % AIRCRAFT
       AIRCRAFT PRODUCTION COSTS

AIRCRAFT INSTRUMENTS
  1402
  GS  #AIRCRAFT INSTRUMENTS
       .APPROACH INDICATORS
       .AUTOMATIC PILOTS
       .FLIGHT RECORDERS
       .RATE OF CLIMB INDICATORS
  RT   AIRBORNE SURVEILLANCE RADAR
       ALTIMETERS
       ANEMOMETERS
       ATTITUDE INDICATORS
       AUTOMATIC FLIGHT CONTROL
       AVIONICS
       COMPASSES
       DISPLAY DEVICES
       FLIGHT CONTROL
       FLIGHT INSTRUMENTS
       FLIGHT PATHS
       FLIGHT TEST INSTRUMENTS
       INDICATING INSTRUMENTS
       INSTRUMENT APPROACH
       INSTRUMENT LANDING SYSTEMS
    % INSTRUMENTS
       I2S CAMERAS
       LANDING AIDS
       LANDING INSTRUMENTS
       LASER ALTIMETERS
       LIGHT EMITTING DIODES
    % MEASUREMENT
       MEASURING INSTRUMENTS
       MONITORS
       NAVIGATION AIDS
       NAVIGATION INSTRUMENTS
       POSITION INDICATORS
       RADAR
       RADIO ALTIMETERS
       RECORDING INSTRUMENTS
       SPEED INDICATORS
       TACHOMETERS

AIRCRAFT INTERIORS
  USE  AIRCRAFT COMPARTMENTS

AIRCRAFT LANDING
  0203 1101
  GS   LANDING
       #AIRCRAFT LANDING
       ..CRASH LANDING
```

...DITCHING (LANDING)
..SKID LANDINGS
RT AIR CUSHION LANDING SYSTEMS
% AIRCRAFT
ALL-WEATHER LANDING SYSTEMS
BLIND LANDING
CEILINGS (METEOROLOGY)
CONTROLLABILITY
CRASHWORTHINESS
GLIDE LANDINGS
HARD LANDING
INSTRUMENT LANDING SYSTEMS
LANDING AIDS
LANDING MATS
LANDING RADAR
LOW VISIBILITY
MICROWAVE LANDING SYSTEMS
RUNWAY ALIGNMENT
SOFT LANDING
SPACECRAFT LANDING
TAKEOFF
TOUCHDOWN
VERTICAL LANDING
VORTEX AVOIDANCE
WATER LANDING

AIRCRAFT LAUNCHING DEVICES
0202 0203
UF TAKEOFF SYSTEMS
GS LAUNCHERS
#AIRCRAFT LAUNCHING DEVICES
..JATO ENGINES
RT CATAPULTS

AIRCRAFT LIGHTS
0202 0203
GS LIGHTING EQUIPMENT
.LUMINAIRES
.#AIRCRAFT LIGHTS
RT % AIRCRAFT
AIRCRAFT EQUIPMENT
BEACONS

AIRCRAFT MAINTENANCE
1101
GS MAINTENANCE
#AIRCRAFT MAINTENANCE
RT % AIRCRAFT
CHECKOUT
FLIGHT OPERATIONS
GROUND SUPPORT EQUIPMENT
LOGISTICS

AIRCRAFT MANEUVERS
0104 0202 1402
GS MANEUVERS
#AIRCRAFT MANEUVERS
RT % AIRCRAFT
APPROACH CONTROL
FLIGHT CHARACTERISTICS
FLIGHT ENVELOPES
FLIGHT PATHS
HIGHLY MANEUVERABLE AIRCRAFT
MANEUVERABILITY
OBSTACLE AVOIDANCE
TRAJECTORY OPTIMIZATION
TRANSITION FLIGHT
TURNING FLIGHT

AIRCRAFT MODELS
0201 1107 3404
GS MODELS
#AIRCRAFT MODELS
RT DYNAMIC MODELS
MATHEMATICAL MODELS
POWERED MODELS
SCALE MODELS
SEMISPAN MODELS
SPACECRAFT MODELS
WIND TUNNEL MODELS

AIRCRAFT NOISE
0203 2301
GS ELASTIC WAVES
.SOUND WAVES
..NOISE (SOUND)
..#AIRCRAFT NOISE
....BLADE SLAP NOISE
....JET AIRCRAFT NOISE
....PROPELLER NOISE
....SONIC BOOMS
RT ACOUSTIC RETROFITTING
AEROACOUSTICS
AERODYNAMIC NOISE
% AIRCRAFT
COAXIAL NOZZLES
ENGINE NOISE
FOOTPRINTS
JET AIRCRAFT
MUFFLERS
NOISE INTENSITY
NOISE MEASUREMENT
NOISE PREDICTION (AIRCRAFT)
NOISE REDUCTION
SYNCHROPHASING

AIRCRAFT NOISE PREDICTION
USE NOISE PREDICTION (AIRCRAFT)

AIRCRAFT PARTS
0202
RT % AIRCRAFT
AIRFOILS
AIRFRAMES
CHANNEL WINGS
CONTROL SURFACES
FUSELAGES
LANDING GEAR
OBLIQUE WINGS
PROTUBERANCES
SWING TAIL ASSEMBLIES
SWING WINGS
TAIL ASSEMBLIES
WINGS

AIRCRAFT PERFORMANCE
0101 0201 1505
GS #AIRCRAFT PERFORMANCE
.HELICOPTER PERFORMANCE
RT AERODYNAMIC STALLING
% AIRCRAFT
AIRCRAFT SPIN
AIRSPEED
CONTROLLABILITY
DISTANCE
FLIGHT CHARACTERISTICS
FLIGHT ENVELOPES
MANEUVERABILITY
MINIMUM DRAG
PAYLOADS
% PERFORMANCE
PILOT PERFORMANCE
SPECIFICATIONS
TAKEOFF RUNS

AIRCRAFT PILOTS
0201 0502 0506
UF AVIATORS
COPILOTS
JET PILOTS
GS PERSONNEL
.FLYING PERSONNEL
..PILOTS (PERSONNEL)
..#AIRCRAFT PILOTS
....TEST PILOTS
.OPERATORS (PERSONNEL)
..PILOTS (PERSONNEL)
..#AIRCRAFT PILOTS
....TEST PILOTS
RT % AIRCRAFT
AVIATION PSYCHOLOGY
FLIGHT CREWS
% PILOTS

AIRCRAFT POWER SOURCES

```
  USE  AIRCRAFT ENGINES

AIRCRAFT POWER SUPPLIES
  0701
  GS   ELECTRIC POWER SUPPLIES
       #AIRCRAFT POWER SUPPLIES
  RT   AIRCRAFT EQUIPMENT
       AUXILIARY POWER SOURCES
       ELECTRIC GENERATORS
     % POWER SUPPLIES

AIRCRAFT PRODUCTION
  0201 3404
  UF   FUSELAGE MOUNTING
  RT % AIRCRAFT
       COSTS
       EQUIPMENT SPECIFICATIONS
       PRODUCT DEVELOPMENT
     % PRODUCTION
       PRODUCTION ENGINEERING

AIRCRAFT PRODUCTION COSTS
  0102 3403 3402 3404
  GS   COSTS
       #AIRCRAFT PRODUCTION COSTS
       PRODUCTION COSTS
       #AIRCRAFT PRODUCTION COSTS
  RT % AIRCRAFT
       AIRCRAFT INDUSTRY
       COST ESTIMATES
       EFFICIENCY
     % ENGINEERING
       FINANCIAL MANAGEMENT
       INDUSTRIES
       MANUFACTURING
       PRODUCTION ENGINEERING
       PRODUCTION MANAGEMENT
       PRODUCTIVITY

AIRCRAFT RELIABILITY
  0201 1505
  UF   AIRWORTHINESS
       AIRWORTHINESS REQUIREMENTS
  GS   RELIABILITY
       #AIRCRAFT RELIABILITY
  RT % AIRCRAFT
       CERTIFICATION
       CIRCUIT RELIABILITY
       COMPONENT RELIABILITY
       HELICOPTER PERFORMANCE
       QUALITY CONTROL
       STRUCTURAL RELIABILITY
       TOTAL QUALITY MANAGEMENT
       VULNERABILITY

AIRCRAFT RUNUP
  0201
  GS   PREFLIGHT OPERATIONS
       #AIRCRAFT RUNUP
  RT % AIRCRAFT
       ENGINE NOISE
       ENGINE TESTS
       GROUND TESTS
       JET AIRCRAFT NOISE

AIRCRAFT SAFETY
  0203 1101 1402 2101
  GS   SAFETY
       #AIRCRAFT SAFETY
  RT   ABORT APPARATUS
       AEROSPACE SAFETY
       AIR PIRACY
       AIR TRAFFIC CONTROL
     % AIRCRAFT
       AIRCRAFT ACCIDENTS
       AIRCRAFT APPROACH SPACING
       AIRCRAFT ICING
       AIRCRAFT SPIN
       ALL-WEATHER LANDING SYSTEMS
       ARRESTING GEAR
       BEACON COLLISION AVOIDANCE SYSTEM
       COLLISION AVOIDANCE
       COLLISIONS
       CRASH LANDING
       CRASHES
       CRASHWORTHINESS
       EJECTION SEATS
       FLIGHT HAZARDS
       FLIGHT SAFETY
       FLYING EJECTION SEATS
       LANDING AIDS
       LANDING RADAR
       MICROWAVE LANDING SYSTEMS
       MIDAIR COLLISIONS
       NATIONAL AIRSPACE SYSTEM
       NAVIGATION AIDS
       SAFETY DEVICES
       SOLAR COMPASSES
       THREAT EVALUATION
       WEATHER
       WHEEL BRAKES

AIRCRAFT SPECIFICATIONS
  0201 3404
  GS   SPECIFICATIONS
       #AIRCRAFT SPECIFICATIONS
  RT % AIRCRAFT
       AIRSPEED
       CEILING (AIRCRAFT CAPABILITY)
       CONTROLLABILITY
       DISTANCE
       FLIGHT CHARACTERISTICS
       PAYLOADS

AIRCRAFT SPIN
  0101
  RT   AERODYNAMIC STALLING
     % AIRCRAFT
       AIRCRAFT PERFORMANCE
       AIRCRAFT SAFETY
       CONTROL STABILITY
       CONTROLLABILITY
       CRASH LANDING
       FLIGHT HAZARDS
       FLIGHT SAFETY
       HAZARDS
       MANEUVERS
       SPIN DYNAMICS

AIRCRAFT STABILITY
  0101 0104
  GS   DYNAMIC CHARACTERISTICS
       .DYNAMIC STABILITY
       ..MOTION STABILITY
       ..#AIRCRAFT STABILITY
       ....HOVERING STABILITY
       STABILITY
       .DYNAMIC STABILITY
       ..MOTION STABILITY
       ..#AIRCRAFT STABILITY
       ....HOVERING STABILITY
  RT   AERODYNAMIC BALANCE
       AERODYNAMIC STABILITY
     % AIRCRAFT
       ATTITUDE STABILITY
       BUFFETING
       CONTROL STABILITY
       CONTROLLABILITY
       COUNTERBALANCES
       DIRECTIONAL STABILITY
       FLIGHT ENVELOPES
       HORIZONTAL FLIGHT
       LATERAL STABILITY
       LIQUID SLOSHING
       LONGITUDINAL STABILITY
       LOW SPEED STABILITY
       PILOT INDUCED OSCILLATION
       STATIC STABILITY
       STRUCTURAL STABILITY
       TURNING FLIGHT
       UPPER SURFACE BLOWN FLAPS
       WIND TUNNEL STABILITY TESTS

AIRCRAFT STRUCTURES
  0102 0201 3202 3404
```

```
  UF   AIRCRAFT CONSTRUCTION
  GS  #AIRCRAFT STRUCTURES
       .AIRFRAMES
       .FUSELAGES
       .PLASTIC AIRCRAFT STRUCTURES
  RT   AERODYNAMIC INTERFERENCE
       AEROELASTICITY
       AFTERBODIES
     % AIRCRAFT
       AIRFOILS
       BORON-EPOXY COMPOSITES
       CANARD CONFIGURATIONS
       CANOPIES
       CENTERBODIES
       CHANNEL WINGS
       CONTROL SURFACES
       FAIRINGS
       FOREBODIES
       HULLS (STRUCTURES)
       INTERFERENCE FIT
       LEADING EDGE FLAPS
       NOSES (FOREBODIES)
       OBLIQUE WINGS
       PYLON MOUNTING
       SHELLS (STRUCTURAL FORMS)
       SPACECRAFT STRUCTURES
       STREAMLINING
     % STRUCTURES
       SWING TAIL ASSEMBLIES
       SWING WINGS
       TAIL ASSEMBLIES
       WINGS

AIRCRAFT SURVIVABILITY
  0101 0202 0207 0507 1505 3401
  RT % AIRCRAFT
       COMBAT
     % CONSTRUCTION MATERIALS
       DURABILITY
       FLIGHT CONTROL
       HELICOPTERS
       LIFE (DURABILITY)
     % MILITARY AIRCRAFT
       PLASTIC AIRCRAFT STRUCTURES
       REINFORCED PLASTICS
       RELIABILITY
       SPACECRAFT SURVIVABILITY
       SURVIVAL
       SURVIVAL EQUIPMENT
       VULNERABILITY

AIRCRAFT TIRES
  0202
  GS   TIRES
       #AIRCRAFT TIRES
  RT % AIRCRAFT
       AIRCRAFT EQUIPMENT
       LANDING GEAR
       VEHICLE WHEELS

AIRCRAFT WAKES
  0101 1202 1203
  GS   WAKES
       #AIRCRAFT WAKES
       ..HELICOPTER WAKES
       ..SLIPSTREAMS
       ...PROPELLER SLIPSTREAMS
  RT % AIRCRAFT
       HYPERSONIC WAKES
       LAMINAR WAKES
       SUPERSONIC WAKES
       TURBULENT WAKES
       VORTEX ADVISORY SYSTEM
       VORTEX ALLEVIATION

AIRCREWS
  USE  FLIGHT CREWS

AIRDROPS
  3406
  RT   AIR CARGO
       CARGO
       DELIVERY
       DRAG CHUTES
       PARACHUTES

AIRFIELD SURFACE MOVEMENTS
  1101 3202
  RT   AIR CARGO
       AIRPORTS
       HANGARS
       MATERIALS HANDLING
       MOBILE LOUNGES
       RUNWAYS
     % SURFACES
       TAXIING

AIRFIELDS
  USE  AIRPORTS

AIRFOIL CHARACTERISTICS
  USE  AIRFOILS

AIRFOIL FENCES
  0102 0104
  GS   AIRFOILS
       #AIRFOIL FENCES
  RT   BOUNDARY LAYER CONTROL
     % FENCES
       VORTEX GENERATORS
       WINGS

AIRFOIL OSCILLATIONS
  0102 0104
  GS   OSCILLATIONS
       #AIRFOIL OSCILLATIONS
       ..WING OSCILLATIONS
  RT   AERODYNAMIC STABILITY
       AEROELASTICITY
       AEROSERVOELASTICITY
       FLAPPING
       FLUTTER
       FLUTTER ANALYSIS
       ROTARY STABILITY
       STRUCTURAL VIBRATION
       UNDAMPED OSCILLATIONS
       VIBRATION
       VIBRATION MODE

AIRFOIL PROFILES
  0102 0104
  UF   AERODYNAMIC CHORDS
       AIRFOIL SECTIONS
       AIRFOIL THICKNESS
       CLARK Y AIRFOIL
  GS  #AIRFOIL PROFILES
       .WING PROFILES
       ..WING SPAN
  RT   AERODYNAMIC INTERFERENCE
       AIRFOILS
       BLADE TIPS
     % CROSS SECTIONS
       JOUKOWSKI TRANSFORMATION
       KUTTA-JOUKOWSKI CONDITION
       LIGHTHILL METHOD
       NOSE TIPS
     % PROFILES
       STREAMLINING
       SUPERCRITICAL AIRFOILS
       THEODORSEN TRANSFORMATION
       THICKNESS
       THICKNESS RATIO
       THIN AIRFOILS
       THIN WINGS
       TIPS
       WEDGES
       WING TIPS

AIRFOIL SECTIONS
  USE  AIRFOIL PROFILES

AIRFOIL THICKNESS
  USE  AIRFOIL PROFILES

AIRFOILS
```

```
0102
UF   AIRFOIL CHARACTERISTICS
GS  #AIRFOILS
     .AERIAL RUDDERS
     .AILERONS
     ..FLAPERONS
     ..SPOILER SLOT AILERONS
     .AIRFOIL FENCES
     .CIRCULATION CONTROL AIRFOILS
     ..CIRCULATION CONTROL ROTORS
     .DROOPED AIRFOILS
     .ELEVATORS (CONTROL SURFACES)
     .ELEVONS
     .FLAPS (CONTROL SURFACES)
     ..EXTERNALLY BLOWN FLAPS
     ...UPPER SURFACE BLOWN FLAPS
     ..FLAPERONS
     ..JET FLAPS
     ..SPLIT FLAPS
     ..WING FLAPS
     ...LEADING EDGE FLAPS
     ...LEADING EDGE SLATS
     ...TRAILING EDGE FLAPS
     ...VORTEX FLAPS
     .HORIZONTAL TAIL SURFACES
     .LAMINAR FLOW AIRFOILS
     .PROPELLER BLADES
     .SPOILERS
     .SUPERCRITICAL AIRFOILS
     ..SUPERCRITICAL WINGS
     .SUPERSONIC AIRFOILS
     .TABS (CONTROL SURFACES)
     .THIN AIRFOILS
     ..THIN WINGS
     ...INFINITE SPAN WINGS
     .WINGS
     ..AEROELASTIC RESEARCH WINGS
     ..CAMBERED WINGS
     ..CARET WINGS
     ..CHANNEL WINGS
     ..CRUCIFORM WINGS
     ..FIXED WINGS
     ..FLEXIBLE WINGS
     ...PARAWINGS
     ..GAW-1 AIRFOIL
     ..GAW-2 AIRFOIL
     ..JOINED WINGS
     ..LOW ASPECT RATIO WINGS
     ...DELTA WINGS
     ...TRAPEZOIDAL WINGS
     ..MISSION ADAPTIVE WINGS
     ..OBLIQUE WINGS
     ..RIGID WINGS
     ..ROTARY WINGS
     ...CIRCULATION CONTROL ROTORS
     ...LIFTING ROTORS
     ....BEARINGLESS ROTORS
     ...RIGID ROTORS
     ...TILTING ROTORS
     ...TIP DRIVEN ROTORS
     ...X WING ROTORS
     ..SLENDER WINGS
     ...INFINITE SPAN WINGS
     ..SUPERCRITICAL WINGS
     ..SWEPT WINGS
     ...SWEPT FORWARD WINGS
     ....TRAPEZOIDAL WINGS
     ...SWEPTBACK WINGS
     ....ARROW WINGS
     ....DELTA WINGS
     ....TRAPEZOIDAL WINGS
     ..SWING WINGS
     ..THIN WINGS
     ...INFINITE SPAN WINGS
     ..TWISTED WINGS
     ..UNCAMBERED WINGS
     ...RING WINGS
     ..UNSWEPT WINGS
     ...INFINITE SPAN WINGS
     ...RECTANGULAR WINGS
     ...RING WINGS
     ..VARIABLE SWEEP WINGS
RT   AERODYNAMIC CONFIGURATIONS
     AERODYNAMICS
     AIRCRAFT DESIGN
     AIRCRAFT PARTS
     AIRCRAFT STRUCTURES
     AIRFOIL PROFILES
     ASPECT RATIO
     BLADE-VORTEX INTERACTION
   % BLADES
     BLUNT LEADING EDGES
     BLUNT TRAILING EDGES
     BODY-WING CONFIGURATIONS
     CAMBER
     CONTROL SURFACES
     DEICERS
     DEICING
     FINS
   % FOILS
     FOILS (MATERIALS)
     GUIDE VANES
     HYDROFOILS
     INTERACTIONAL AERODYNAMICS
     JET VANES
     LEADING EDGE THRUST
     LEADING EDGES
     LIFT
     LIFTING BODIES
     LIGHTHILL METHOD
     MONOPLANES
     ROTOR BLADES (TURBOMACHINERY)
     ROTORS
     RUDDERS
     SHARP LEADING EDGES
     STABILIZERS (FLUID DYNAMICS)
     STREAMLINED BODIES
     STREAMLINING
     TAIL ASSEMBLIES
     THICKNESS RATIO
     TRAILING EDGES
     TURBOMACHINE BLADES
     VANES
     WAVERIDERS
     WEDGES

AIRFRAME MATERIALS
  1704 1805 1809
  GS   AIRCRAFT CONSTRUCTION MATERIALS
       #AIRFRAME MATERIALS
  RT   AIRFRAMES
       ALUMINUM-LITHIUM ALLOYS
       COMPOSITE MATERIALS
     % CONSTRUCTION MATERIALS
       FUNCTIONALLY GRADIENT MATERIALS
       GLASS FIBER REINFORCED PLASTICS
     % MATERIALS
       STRUCTURAL DESIGN
       STRUCTURAL MEMBERS

AIRFRAMES
  0102 3110 3202
  GS   AIRCRAFT STRUCTURES
       #AIRFRAMES
       FRAMES
       #AIRFRAMES
  RT   AIRCRAFT CONSTRUCTION MATERIALS
       AIRCRAFT PARTS
       AIRFRAME MATERIALS
       BAYS (STRUCTURAL UNITS)
       CANOPIES
       CONTROL SURFACES
       ENGINE AIRFRAME INTEGRATION
       FINS
       FUSELAGES
       LANDING GEAR
       MISSILE BODIES
       MISSILE STRUCTURES
       NACELLES
       PROTUBERANCES
       TAIL ASSEMBLIES
       WING NACELLE CONFIGURATIONS
       WINGS

AIRGEEP AIRCRAFT
```

```
  USE  VZ-8 AIRCRAFT

AIRGLOW
  0605 1302 3009
  UF   ATMOSPHERIC EMISSION
  GS   ATMOSPHERIC RADIATION
       .SKY RADIATION
       .#AIRGLOW
       ...GEOCORONAL EMISSIONS
       ...NIGHTGLOW
       ...TWILIGHT GLOW
       ELECTROMAGNETIC RADIATION
       .LIGHT (VISIBLE RADIATION)
       ..SKY RADIATION
       ..#AIRGLOW
       ....GEOCORONAL EMISSIONS
       ....NIGHTGLOW
       ....TWILIGHT GLOW
  RT   AERONOMY
       ATMOSPHERIC IONIZATION
       AURORAS
       CHEMILUMINESCENCE
       EARTH ATMOSPHERE
       EMISSION
       FABRY-PEROT SPECTROMETERS
       LIGHT EMISSION
       NIGHT SKY
       OXYGEN SPECTRA
       RADIATIVE RECOMBINATION
       RAYLEIGH SCATTERING
       SKY BRIGHTNESS

AIRLINE OPERATIONS
  0204
  RT   AIR CARGO
       AIR TRAFFIC
       AIR TRANSPORTATION
       CIVIL AVIATION
       COMMERCIAL AIRCRAFT
       OPERATING COSTS
       OPERATIONAL PROBLEMS
     % OPERATIONS
       PASSENGERS
       SHORT HAUL AIRCRAFT

AIRLOCK MODULES
  3103
  GS   MODULES
       #AIRLOCK MODULES
  RT   AIR LOCKS
       APOLLO APPLICATIONS PROGRAM
       MULTIPLE DOCKING ADAPTERS
       SATURN WORKSHOPS
       SATURN 1 WORKSHOP
       SATURN 5 WORKSHOP
       SKYLAB PROGRAM
       SKYLAB 1
       SKYLAB 2
       SKYLAB 3
       SKYLAB 4
       SPACECRAFT DOCKING MODULES

AIRPORT BEACONS
  1101 1102 2104
  GS   LANDING AIDS
       #AIRPORT BEACONS
       ..DISCRETE ADDRESS BEACON SYSTEM
       NAVIGATION AIDS
       .BEACONS
       .#AIRPORT BEACONS
       ...DISCRETE ADDRESS BEACON SYSTEM
  RT   RADIO BEACONS
       SOLAR COMPASSES

AIRPORT LIGHTS
  1101
  GS   LANDING AIDS
       #AIRPORT LIGHTS
       ..RUNWAY LIGHTS
       LIGHTING EQUIPMENT
       .LUMINAIRES
       .#AIRPORT LIGHTS
       ...RUNWAY LIGHTS
  RT   SEARCHLIGHTS

AIRPORT PLANNING
  1101 3404
  GS   PLANNING
       #AIRPORT PLANNING
  RT   GROUND SUPPORT EQUIPMENT
       HELIPORTS
       LAND USE
       SITES

AIRPORT SECURITY
  1101
  GS   SECURITY
       #AIRPORT SECURITY
  RT   AIR PIRACY
       AIRPORTS
       PROTECTION
       VULNERABILITY

AIRPORT SURFACE DETECTION EQUIPMENT
  1101 1102
  UF   ASDE
  RT   AIR TRAFFIC CONTROL
     % EQUIPMENT
       GROUND BASED CONTROL
       RADAR EQUIPMENT
       SEARCH RADAR
     % SURFACES
       SURVEILLANCE RADAR

AIRPORT TOWERS
  0701 2101 2102 2104
  GS   TOWERS
       #AIRPORT TOWERS
  RT   AIR TRAFFIC CONTROL
       AIR TRAFFIC CONTROLLERS (PERSONNEL)
       AIRPORTS
       GROUND BASED CONTROL
       HELIPORTS
       LANDING AIDS
       TRAFFIC CONTROL

AIRPORTS
  1101
  UF   AIRFIELDS
  GS  #AIRPORTS
       .HELIPORTS
  RT % AERONAUTICS
       AIR TRAFFIC CONTROL
       AIRFIELD SURFACE MOVEMENTS
       AIRPORT SECURITY
       AIRPORT TOWERS
     % FACILITIES
       HANGARS
       INSTRUMENT LANDING SYSTEMS
       LANDING AIDS
       LANDING MATS
       MILITARY AIR FACILITIES
       MOBILE LOUNGES
       MOORING
       NATIONAL AIRSPACE SYSTEM
       NAVIGATION AIDS
     % PORTS
       RUNWAYS
       SITE SELECTION
     % STRIP

AIRS (RECONNAISSANCE SYS)
  USE  AIRBORNE INTEGRATED RECONNAISSANCE
       SYSTEM

AIRSHIPS
  0205 0207
  UF   AEROSTATS
       DIRIGIBLES
  GS  #AIRSHIPS
       .HEAVY LIFT AIRSHIPS
  RT % AIRCRAFT
       BALLOONS
       GONDOLAS
       INFLATABLE STRUCTURES
```

```
    % MILITARY AIRCRAFT

AIRSPACE
  1301 1302
  RT   AIR LAW
       AIR TRAFFIC
       AIR TRAFFIC CONTROL
       AIRCRAFT APPROACH SPACING
       BOUNDARIES
       COLLISION AVOIDANCE
       FLIGHT PATHS
       NATIONAL AIRSPACE SYSTEM
       NATIONAL AIRSPACE UTILIZATION
       SYSTEM

AIRSPEED
  0101 0201
  GS   RATES (PER TIME)
       #AIRSPEED
       VELOCITY
       #AIRSPEED
  RT   AERODYNAMIC STALLING
       AIRCRAFT PERFORMANCE
       AIRCRAFT SPECIFICATIONS
       BOUNDARY LAYER SEPARATION
       FLIGHT CHARACTERISTICS
       GROUND SPEED
       HIGH SPEED
       LOW SPEED
       MACH NUMBER
       WIND VELOCITY

AIRWORTHINESS
  USE  AIRCRAFT RELIABILITY

AIRWORTHINESS REQUIREMENTS
  USE  AIRCRAFT RELIABILITY

AIRY FUNCTION
  1902 1903 1905 3203
  GS   ANALYSIS (MATHEMATICS)
       .COMPLEX VARIABLES
       .#AIRY FUNCTION
       FUNCTIONS (MATHEMATICS)
       #AIRY FUNCTION
  RT   CYLINDRICAL BODIES
       DIFFERENTIAL EQUATIONS
       ELASTIC PROPERTIES
       HARMONIC FUNCTIONS
       POISSON RATIO
       STRESS ANALYSIS

AITKEN NUCLEI
  2002
  GS   CONDENSATION NUCLEI
       #AITKEN NUCLEI
  RT   AEROSOLS
       ATMOSPHERIC CHEMISTRY
       ATMOSPHERIC COMPOSITION
       CLOUD PHYSICS
       COAGULATION
       CONDENSATES
       CRYSTAL GROWTH
       DUST
       ICE NUCLEI
       NUCLEATION
     % NUCLEI
       SUPERCOOLING

AJ-10 ENGINE
  2806 2808
  GS   ENGINES
       .ROCKET ENGINES
       ..BOOSTER ROCKET ENGINES
       ..#AJ-10 ENGINE
       ..LIQUID PROPELLANT ROCKET ENGINES
       ..#AJ-10 ENGINE
  RT   TARTAR MISSILE

AJ-1000 ENGINE
  USE  M-1 ENGINE

AKEBONO SATELLITE
  USE  EXOS-D SATELLITE

AKERMANITE
  1805 1806
  GS   CALCIUM COMPOUNDS
       .CALCIUM CARBONATES
       .#AKERMANITE
       .CALCIUM OXIDES
       .#AKERMANITE
       CARBON COMPOUNDS
       .CARBONATES
       ..CALCIUM CARBONATES
       ..#AKERMANITE
       CHALCOGENIDES
       .OXIDES
       ..METAL OXIDES
       ...ALKALINE EARTH OXIDES
       ....CALCIUM OXIDES
       ....#AKERMANITE
       ....MAGNESIUM OXIDES
       ....#AKERMANITE
       MAGNESIUM COMPOUNDS
       .MAGNESIUM OXIDES
       .#AKERMANITE
       MINERALS
       #AKERMANITE
  RT   SILICATES
       SILICON COMPOUNDS
       SILICON OXIDES

ALABAMA
  1305
  GS   NATIONS
       .UNITED STATES
       .#ALABAMA
  RT   GULF OF MEXICO
       TENNESSEE VALLEY (AL-KY-TN)

ALADIN 2 AIRCRAFT
  0201 0204
  GS   TRANSPORT AIRCRAFT
       #ALADIN 2 AIRCRAFT
       V/STOL AIRCRAFT
       .SHORT TAKEOFF AIRCRAFT
       .#ALADIN 2 AIRCRAFT
  RT % AIRCRAFT

ALAIS METEORITE
  3005
  GS   CELESTIAL BODIES
       .METEORITES
       ..STONY METEORITES
       ...CARBONACEOUS METEORITES
       ....CARBONACEOUS CHONDRITES
       ....#ALAIS METEORITE
       ...CHONDRITES
       ....CARBONACEOUS CHONDRITES
       ....#ALAIS METEORITE

ALANINE
  0403 1808
  GS   ACIDS
       .AMINO ACIDS
       .#ALANINE
       ...PHENYLALANINE
       .CARBOXYLIC ACIDS
       .#ALANINE
       ORGANIC COMPOUNDS
       .AMINO ACIDS
       .#ALANINE
       ...PHENYLALANINE
       .CARBOXYLIC ACIDS
       .#ALANINE
  RT   PROTEINS

ALARM PROJECT
  0201 3401
  UF   AUTOMATIC LIGHT AIRCRAFT READINESS
       MONITOR
  GS   PROGRAMS
       .PROJECTS
       .#ALARM PROJECT
```

```
  RT   MONITORS

ALARMS
  USE  WARNING SYSTEMS

ALASKA
  1305
  GS   NATIONS
       .UNITED STATES
       .#ALASKA
  RT   ALEUTIAN ISLANDS (US)
       BEAUFORT SEA (NORTH AMERICA)
       CHENA RIVER BASIN (AK)
       COOK INLET (AK)
       GULF OF ALASKA
       PRINCE WILLIAM SOUND (AK)
       WRANGELL MOUNTAINS (AK)

ALBANIA
  1305
  GS   NATIONS
       #ALBANIA
  RT   EUROPE

ALBEDO
  2402 3009
  GS  #ALBEDO
       .COSMIC RAY ALBEDO
       .EARTH ALBEDO
       .LUNAR ALBEDO
  RT   ABSORPTANCE
       COSMIC RAYS
       EARTH RADIATION BUDGET EXPERIMENT
       OPTICAL PROPERTIES
       PLANETARY RADIATION
       REFLECTANCE
       SOLAR RADIATION
       SURFACE PROPERTIES

ALBERTA
  1305
  GS   NATIONS
       .CANADA
       .#ALBERTA

ALBINISM
  0402 0404
  GS   DISEASES
       #ALBINISM
  RT   PIGMENTS
       SKIN (ANATOMY)

ALBUMINS
  0403 1808
  GS   BIOPOLYMERS
       .PROTEINS
       .#ALBUMINS
       ORGANIC COMPOUNDS
       .PROTEINS
       .#ALBUMINS
  RT   ELASTIN

ALCOHOLS
  0403 0603 1808
  GS   HYDROXYL COMPOUNDS
       #ALCOHOLS
       ..ETHYL ALCOHOL
       ..GLYCOLS
       ..ISOPROPYL ALCOHOL
       ..METHYL ALCOHOL
       ..PHENOLS
       ...BISPHENOLS
       ...CRESOLS
       ...PHLOROGLUCINOL
       ...THYMOL
       ..POLYVINYL ALCOHOL
       ..TRIOLS
       ...CYANURIC ACID
  RT   CARBOHYDRATES
       GASOHOL (FUEL)
       GLYCEROLS
       HYDROXYL RADICALS
       METHOXY SYSTEMS
       ORGANIC COMPOUNDS
       THIOLS

ALDEHYDES
  0403 0603 1808
  GS  #ALDEHYDES
       .ACETALDEHYDE
       .ACROLEINS
       .CHLORAL
       .FORMALDEHYDE
  RT   ACETYL COMPOUNDS
       FURFURYL ALCOHOL
       ORGANIC COMPOUNDS
       RETINENE

ALDOLASE
  0403 1808
  GS   BIOPOLYMERS
       .PROTEINS
       ..ENZYMES
       ..#ALDOLASE
       ORGANIC COMPOUNDS
       .PROTEINS
       ..ENZYMES
       ..#ALDOLASE
  RT   MUSCLES

ALDOSTERONE
  0403 0404
  GS   ORGANIC COMPOUNDS
       .LIPIDS
       ..STEROIDS
       ...CORTICOSTEROIDS
       ...#ALDOSTERONE
       SECRETIONS
       .ENDOCRINE SECRETIONS
       ..HORMONES
       ...CORTICOSTEROIDS
       ...#ALDOSTERONE
  RT   ADRENAL METABOLISM
       ELECTROLYTE METABOLISM

ALERTNESS
  0408 0502
  RT   AROUSAL
       ATTENTION
       WAKEFULNESS

ALEUTIAN ISLANDS (US)
  1307
  GS   LANDFORMS
       .ISLANDS
       .#ALEUTIAN ISLANDS (US)
  RT   ALASKA
       ARCHIPELAGOES
       ISLAND ARCS
       UNITED STATES

ALEXANDRITE
  1306 1806 3009
  GS   ALUMINUM COMPOUNDS
       .ALUMINUM OXIDES
       .#ALEXANDRITE
       .BERYL
       .#ALEXANDRITE
       BERYLLIUM COMPOUNDS
       .BERYL
       .#ALEXANDRITE
       .BERYLLIUM OXIDES
       .#ALEXANDRITE
       MINERALS
       .BERYL
       .#ALEXANDRITE
  RT   LASER MATERIALS

ALFALFA
  0409 0505
  GS   FARM CROPS
       #ALFALFA
       PLANTS (BOTANY)
       #ALFALFA
  RT   AGRICULTURE
```

```
      BLIGHT
      BOTANY
      CROP GROWTH
      CROP VIGOR
    % CROPS
      CURING
      EARTH RESOURCES
    % FOOD
      GRASSES
      IRRIGATION
      SEEDS

ALFVEN WAVES
  USE  MAGNETOHYDRODYNAMIC WAVES

ALGAAS
  USE  ALUMINUM GALLIUM ARSENIDES

ALGAE
  0407 0409
  UF   ALGAL BLOOM
       DIATOMS (UNICELLULAR PLANTS)
  GS   PLANTS (BOTANY)
       #ALGAE
       ..BLUE GREEN ALGAE
       ...ANABAENA
       ...MICROCYSTIS
       ...NOSTOC
       ..CHLORELLA
       ..DUNALIELLA
       ..PORPHYRA
       ..SCENEDESMUS
  RT   BIOCHEMICAL OXYGEN DEMAND
       BIOCONVERSION
       CHLOROPHYLLS
       EUGLENA
       LICHENS
       MARINE BIOLOGY
       MICROORGANISMS
       PHOTOSYNTHESIS
       PHYTOPLANKTON
       PLANKTON
       THERMOPHILES
       THERMOPHILIC PLANTS
       WATER POLLUTION

ALGAL BLOOM
  USE  ALGAE

ALGEBRA
  1902
  GS  #ALGEBRA
       .BINOMIAL THEOREM
       .CURRENT ALGEBRA
       .DETERMINANTS
       .GROUP THEORY
       ..HOMOMORPHISMS
       ...AUTOMORPHISMS
       ...MONOIDS
       ...SUBGROUPS
       .LIE GROUPS
       ..SPINOR GROUPS
       .LINEAR EQUATIONS
       ..LINEAR EVOLUTION EQUATIONS
       ..RICCATI EQUATION
       .LINEAR TRANSFORMATIONS
       .NONLINEAR EQUATIONS
       ..CUBIC EQUATIONS
       ..DUFFING DIFFERENTIAL EQUATION
       ..MONGE-AMPERE EQUATION
       ..NONLINEAR EVOLUTION EQUATIONS
       ..QUADRATIC EQUATIONS
       ..QUARTIC EQUATIONS
       .POLYNOMIALS
       ..BINOMIALS
       ..DYADICS
       ..HERMITIAN POLYNOMIAL
       .TENSORS
       ..STRESS TENSORS
       .VECTOR SPACES
       ..BANACH SPACE
       ...HILBERT SPACE
       ....SOBOLEV SPACE
       ..MATRICES (MATHEMATICS)
       ...ADJOINTS
       ...CANONICAL FORMS
       ...EIGENVALUES
       ...EIGENVECTORS
       ...HESSIAN MATRICES
       ...JORDAN FORM
       ...STIFFNESS MATRIX
       ..STOKES THEOREM (VECTOR CALCULUS)
       ..U SPIN SPACE
       ..VECTORS (MATHEMATICS)
       ...EIGENVECTORS
       ...STATE VECTORS
       ...VORTICITY
  RT   ANALYSIS (MATHEMATICS)
     % ANALYZING
       BOOLEAN ALGEBRA
       COORDINATES
       FUNCTIONS (MATHEMATICS)
       HOMOTROPY
     % MATHEMATICS
       SCHWARTZ INEQUALITY
     % SCIENCE
       SEMIEMPIRICAL EQUATIONS
     % SPACE
       SUMS
       UNIQUENESS THEOREM

ALGERIA
  1305
  GS   NATIONS
       #ALGERIA
  RT   AFRICA

ALGOL
  0802
  UF   ALGORITHMIC ORIENTED LANGUAGE
  GS   LANGUAGES
       .PROGRAMMING LANGUAGES
       .#ALGOL
  RT   COMPUTER PROGRAMMING
       MACHINE ORIENTED LANGUAGES

ALGOL ENGINE
  2806 2808
  GS   ENGINES
       .ROCKET ENGINES
       ..BOOSTER ROCKET ENGINES
       ..#ALGOL ENGINE
       ..SOLID PROPELLANT ROCKET ENGINES
       ..#ALGOL ENGINE
  RT   BLUE SCOUT ROCKET VEHICLE
       LITTLE JOE 2 LAUNCH VEHICLE
       SCOUT LAUNCH VEHICLE

ALGORITHMIC ORIENTED LANGUAGE
  USE  ALGOL

ALGORITHMS
  0802 1902
  GS   MATHEMATICAL LOGIC
       #ALGORITHMS
       ..GENETIC ALGORITHMS
       ..PARSING ALGORITHMS
       ..SIMPLEX METHOD
  RT   COMPUTER PROGRAMMING
       COMPUTER PROGRAMS
       COMPUTER SYSTEMS PROGRAMS
       COMPUTERIZED SIMULATION
       CONJUGATE GRADIENT METHOD
       DATA CONVERSION ROUTINES
       DIFFERENTIAL ANALYZERS
       FACTORIZATION
       FUZZY SETS
       FUZZY SYSTEMS
       HESSIAN MATRICES
       MEAN SQUARE VALUES
       NUMERICAL ANALYSIS
       NUMERICAL DIFFERENTIATION
       PARAMETERIZATION
       ROBUSTNESS (MATHEMATICS)
       STATE ESTIMATION
```

```
      SYSTOLIC ARRAYS

ALIGNMENT
  3408
  GS  #ALIGNMENT
      .SELF ALIGNMENT
  RT  ADJUSTING
      BEARING (DIRECTION)
      CLEARANCES
      COLLIMATION
      CORRECTION
      DIRECTIVITY
      FITTING
      HORIZONTAL ORIENTATION
      INSTRUMENT ORIENTATION
      LOOK ANGLES (ELECTRONICS)
    % ORIENTATION
      PLY ORIENTATION
      POLARIZATION (SPIN ALIGNMENT)
      POSITIONING
      VERTICAL ORIENTATION

% ALIPHATIC COMPOUNDS
  1808
  SN  (USE OF A MORE SPECIFIC TERM IS
      RECOMMENDED--CONSULT THE TERMS
      LISTED BELOW)
  RT  ALIPHATIC HYDROCARBONS
      AMINES
      FATTY ACIDS
      MOLECULAR CHAINS
      ORGANIC COMPOUNDS

ALIPHATIC HYDROCARBONS
  1808
  GS  ORGANIC COMPOUNDS
      .HYDROCARBONS
      .#ALIPHATIC HYDROCARBONS
      ...ALKANES
      ....BUTANES
      ....CETANE
      ....ETHANE
      ....HEPTANES
      ....METHANE
      ....NITROPROPANE
      ....NONANES
      ....OCTANES
      ....PARAFFINS
      .....CERESIN
      ....PENTANES
      .....NEOPENTANE
      ....PROPANE
      ...ALKENES
      ....BUTENES
      ....ETHYLENE
      .....VINYLIDENE
      ....HEXENES
      ....PROPYLENE
      ....TRIENES
      ...ALKYNES
      ....ACETYLENE
      ....OXYACETYLENE
      ...DIENES
      ....BUTADIENE
      ....HEPTADIENE
      ....HEXADIENE
      ....POLYBUTADIENE
  RT % ALIPHATIC COMPOUNDS
      TERPENES

ALKALI HALIDES
  0603 1804
  GS  HALOGEN COMPOUNDS
      .HALIDES
      ..METAL HALIDES
      ..#ALKALI HALIDES
      ....CESIUM HALIDES
      .....CESIUM BROMIDES
      .....CESIUM FLUORIDES
      .....CESIUM IODIDES
      ....POTASSIUM IODIDES
      ....SODIUM BROMIDES
      ....SODIUM CHLORIDES
      ....SODIUM FLUORIDES
      ....SODIUM IODIDES

% ALKALI METAL COMPOUNDS
  0603 1804
  SN  (USE OF A MORE SPECIFIC TERM IS
      RECOMMENDED--CONSULT THE TERMS
      LISTED BELOW)
  UF  GROUP 1A COMPOUNDS
  RT  CESIUM COMPOUNDS
    % CHEMICAL COMPOUNDS
      LITHIUM COMPOUNDS
    % METAL COMPOUNDS
      POTASSIUM COMPOUNDS
      RUBIDIUM COMPOUNDS
      SODIUM COMPOUNDS

ALKALI METALS
  0603 1703 1804
  GS  CHEMICAL ELEMENTS
      #ALKALI METALS
      ..CESIUM
      ...CESIUM ISOTOPES
      ....CESIUM 133
      ....CESIUM 134
      ....CESIUM 137
      ....CESIUM 144
      ..CESIUM VAPOR
      ..FRANCIUM
      ..LITHIUM
      ...LIQUID LITHIUM
      ...LITHIUM ISOTOPES
      ..POTASSIUM
      ...LIQUID POTASSIUM
      ...POTASSIUM ISOTOPES
      ....POTASSIUM 38
      ....POTASSIUM 39
      ....POTASSIUM 40
      ..RUBIDIUM
      ...RUBIDIUM ISOTOPES
      ....RUBIDIUM 86
      ..SODIUM
      ...LIQUID SODIUM
      ...SODIUM ISOTOPES
      ....SODIUM 22
      ....SODIUM 24
      ...SODIUM VAPOR
      METALS
      #ALKALI METALS
      ..CESIUM
      ...CESIUM ISOTOPES
      ....CESIUM 133
      ....CESIUM 134
      ....CESIUM 137
      ....CESIUM 144
      ..CESIUM VAPOR
      ..FRANCIUM
      ..LITHIUM
      ...LIQUID LITHIUM
      ...LITHIUM ISOTOPES
      ..POTASSIUM
      ...LIQUID POTASSIUM
      ...POTASSIUM ISOTOPES
      ....POTASSIUM 38
      ....POTASSIUM 39
      ....POTASSIUM 40
      ..RUBIDIUM
      ...RUBIDIUM ISOTOPES
      ....RUBIDIUM 86
      ..SODIUM
      ...LIQUID SODIUM
      ...SODIUM ISOTOPES
      ....SODIUM 22
      ....SODIUM 24
      ...SODIUM VAPOR
  RT  CESIUM ALLOYS
      METAL VAPORS

ALKALI VAPOR LAMPS
  0603
  GS  LIGHTING EQUIPMENT
      .LUMINAIRES
```

```
        ..FLASH LAMPS
        ..#ALKALI VAPOR LAMPS
  RT    LASERS
        LUMINESCENCE
        METAL VAPORS
        RARE EARTH ELEMENTS

ALKALIES
  0603 1703 1806 1807
  UF    CAUSTICS
  GS    BASES (CHEMICAL)
        #ALKALIES
        ..LITHIUM HYDROXIDES
        ..POTASSIUM HYDROXIDES
        ..SODIUM HYDROXIDES
  RT    ALKALINITY
        CARBONATES
        HYDROXIDES

ALKALINE BATTERIES
  0302 0603
  GS    ELECTRIC GENERATORS
        .DIRECT POWER GENERATORS
        ..PRIMARY BATTERIES
        ..#ALKALINE BATTERIES
        ELECTROCHEMICAL CELLS
        .ELECTRIC BATTERIES
        ..PRIMARY BATTERIES
        ..#ALKALINE BATTERIES
  RT    STORAGE BATTERIES
        THERMAL BATTERIES

% ALKALINE EARTH COMPOUNDS
  0603 1306 1806
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  UF    GROUP 2A COMPOUNDS
  RT    ALKALINE EARTH METALS
        ALKALINE EARTH OXIDES
        BARIUM COMPOUNDS
        BERYLLIUM COMPOUNDS
        CALCIUM COMPOUNDS
      % CHEMICAL COMPOUNDS
        MAGNESIUM COMPOUNDS
        STRONTIUM COMPOUNDS
        STRONTIUM OXIDES

ALKALINE EARTH METALS
  0603 1703
  GS    CHEMICAL ELEMENTS
        #ALKALINE EARTH METALS
        ..BARIUM ISOTOPES
        METALS
        #ALKALINE EARTH METALS
        ..BARIUM ISOTOPES
  RT % ALKALINE EARTH COMPOUNDS

ALKALINE EARTH OXIDES
  0603 1306 1806
  GS    CHALCOGENIDES
        .OXIDES
        ..METAL OXIDES
        ..#ALKALINE EARTH OXIDES
        ....BARIUM OXIDES
        ....BERYLLIUM OXIDES
        ....CALCIUM OXIDES
        .....AKERMANITE
        ....MAGNESIUM OXIDES
        .....AKERMANITE
        .....PERICLASE
  RT % ALKALINE EARTH COMPOUNDS

ALKALINITY
  0603
  RT    ALKALIES
        BASES (CHEMICAL)
        CHEMICAL ANALYSIS
        CHEMICAL COMPOSITION
        PH
        SALINITY
        WATER POLLUTION
        WATER QUALITY

ALKALOIDS
  0408 0409 1808
  GS    BASES (CHEMICAL)
        #ALKALOIDS
        ..ATROPINE
        ..BETAINES
        ..CAFFEINE
        ..COLCHICINE
        ..ERGOTAMINE
        ..HYOSCINE
        ..LYSERGINE
        ..MORPHINE
        ..NICOTINAMIDE
        ..NICOTINE
        ..PILOCARPINE
        ..RESERPINE
        ..STRYCHNINE
        ..TROPYL COMPOUNDS
        NITROGEN COMPOUNDS
        #ALKALOIDS
        ..ATROPINE
        ..BETAINES
        ..CAFFEINE
        ..COLCHICINE
        ..ERGOTAMINE
        ..HYOSCINE
        ..LYSERGINE
        ..MORPHINE
        ..NICOTINAMIDE
        ..NICOTINE
        ..PILOCARPINE
        ..RESERPINE
        ..STRYCHNINE
        ..TROPYL COMPOUNDS
        ORGANIC COMPOUNDS
        .CYCLIC COMPOUNDS
        ..HETEROCYCLIC COMPOUNDS
        ..#ALKALOIDS
        ....ATROPINE
        ....BETAINES
        ....CAFFEINE
        ....COLCHICINE
        ....ERGOTAMINE
        ....HYOSCINE
        ....LYSERGINE
        ....MORPHINE
        ....NICOTINAMIDE
        ....NICOTINE
        ....PILOCARPINE
        ....RESERPINE
        ....STRYCHNINE
        ....TROPYL COMPOUNDS
  RT    CURARE
        DRUGS
        MARIJUANA
        QUINOLINE

ALKALOSIS
  0404 0408
  RT    ACIDOSIS
        HYPERVENTILATION
        PH
        PH FACTOR
        TOXICITY

ALKANES
  0403 0603 1808
  UF    SATURATED HYDROCARBONS
  GS    ORGANIC COMPOUNDS
        .HYDROCARBONS
        ..ALIPHATIC HYDROCARBONS
        ..#ALKANES
        ....BUTANES
        ....CETANE
        ....ETHANE
        ....HEPTANES
        ....METHANE
        ....NITROPROPANE
        ....NONANES
        ....OCTANES
        ....PARAFFINS
```

```
        .....CERESIN
        ....PENTANES
        .....NEOPENTANE
        ....PROPANE
  RT    HYDROCARBON FUELS
        WAXES

ALKENES
  0403 0603 1808
  UF    OLEFINS
  GS    ORGANIC COMPOUNDS
        .HYDROCARBONS
        ..ALIPHATIC HYDROCARBONS
        ..#ALKENES
        ....BUTENES
        ....ETHYLENE
        .....VINYLIDENE
        ....HEXENES
        ....PROPYLENE
        ....TRIENES
  RT    ALKYNES
        TERPENES

ALKYD RESINS
  1808 1809
  GS    RESINS
        #ALKYD RESINS
  RT    ADHESIVES
        PROTECTIVE COATINGS

ALKYL COMPOUNDS
  1808
  GS   #ALKYL COMPOUNDS
        .ALKYLIDENE
        .CETYL COMPOUNDS
        .DIBUTYL COMPOUNDS
        .HEXYL COMPOUNDS
        .ISOPROPYL NITRATE
        .METHYL NITRATE
        .PROPYL NITRATE
        .TETRABUTYLS
        .TRIETHYL COMPOUNDS
        .TRIMETHYL COMPOUNDS
  RT % CHEMICAL COMPOUNDS
        ORGANIC COMPOUNDS

ALKYLATES
  0603 1804 2701
  GS    ESTERS
        #ALKYLATES
  RT    ALKYLATION

ALKYLATION
  0602
  UF    OXYALKYLATION
  GS    CHEMICAL REACTIONS
        #ALKYLATION
  RT    ALKYLATES
        FRIEDEL-CRAFT REACTION
        METHYLATION
        REFINING

ALKYLFERROCENE
  0403 1808
  GS    IRON COMPOUNDS
        .FERROCENES
        .#ALKYLFERROCENE
        ORGANOMETALLIC COMPOUNDS
        .FERROCENES
        .#ALKYLFERROCENE

ALKYLIDENE
  0403 1808
  GS    ALKYL COMPOUNDS
        #ALKYLIDENE

ALKYNES
  0603 1808
  GS    ORGANIC COMPOUNDS
        .HYDROCARBONS
        ..ALIPHATIC HYDROCARBONS
        ..#ALKYNES
        ....ACETYLENE
        ....OXYACETYLENE
  RT    ALKENES
        CYCLIC AMP
        CYCLIC HYDROCARBONS

ALL SKY PHOTOGRAPHY
  1407
  GS    IMAGERY
        #ALL SKY PHOTOGRAPHY
        PHOTOGRAPHY
        #ALL SKY PHOTOGRAPHY
  RT    BLACK AND WHITE PHOTOGRAPHY
        CLOUD PHOTOGRAPHS
        CLOUD PHOTOGRAPHY
        WIDE ANGLE LENSES

ALL-WEATHER AIR NAVIGATION
  0201 0203 2101 2103
  GS    NAVIGATION
        .AIR NAVIGATION
        .#ALL-WEATHER AIR NAVIGATION
  RT    DOPPLER NAVIGATION
        INERTIAL NAVIGATION
        NAVIGATION AIDS
        RADAR NAVIGATION
        RADIO NAVIGATION
        SOLAR COMPASSES
        TACAN

ALL-WEATHER LANDING SYSTEMS
  0201 0203 1101
  GS    LANDING AIDS
        .INSTRUMENT LANDING SYSTEMS
        .#ALL-WEATHER LANDING SYSTEMS
  RT    AIRCRAFT LANDING
        AIRCRAFT SAFETY
        FLIGHT SAFETY
        LOW VISIBILITY
     % SYSTEMS

ALLEGHENY PLATEAU (US)
  1305
  GS    LAND
        #ALLEGHENY PLATEAU (US)
        LANDFORMS
        .TERRACES (LANDFORMS)
        ..PLATEAUS
        ..#ALLEGHENY PLATEAU (US)
  RT    MARYLAND
        PENNSYLVANIA
        VIRGINIA
        WEST VIRGINIA

ALLENDE METEORITE
  3005
  GS    CELESTIAL BODIES
        .METEORITES
        ..STONY METEORITES
        ...CARBONACEOUS METEORITES
        ....CARBONACEOUS CHONDRITES
        ....#ALLENDE METEORITE
        ...CHONDRITES
        ....CARBONACEOUS CHONDRITES
        ....#ALLENDE METEORITE

ALLERGIC DISEASES
  0408
  RT    ANAPHYLAXIS
        CONTACT DERMATITIS
        IMMUNOLOGY

ALLOCATIONS
  3402
  UF    ASSIGNMENT
  GS   #ALLOCATIONS
        .RESOURCE ALLOCATION
  RT    ALLOWANCES
        BUDGETING
        COMMERCIAL ENERGY
        COST EFFECTIVENESS
        DISTRIBUTING
     % DISTRIBUTION
```

```
      DOMESTIC ENERGY
      ECONOMIC ANALYSIS
      ECONOMIC FACTORS
      ENGINEERING MANAGEMENT
      ESTIMATES
      FEDERAL BUDGETS
      FINANCIAL MANAGEMENT
      INDUSTRIAL ENERGY
      MATRIX MANAGEMENT
      PROCUREMENT MANAGEMENT
      PROJECT PLANNING
      RESEARCH MANAGEMENT
      REVENUE
      TRANSPORTATION ENERGY

ALLOTROPY
  0603 1704 2601
  RT  AUSTENITE
      CRYSTAL STRUCTURE
      POLYMORPHISM

ALLOWANCES
  1503
  RT  ALLOCATIONS
      CLEARANCES
    % COMPENSATION
      PRECISION
      PRODUCTIVITY
      REGULATIONS
      RELIABILITY
      SAMPLING
      TOLERANCES (MECHANICS)

ALLOXAN
  0403 1808
  GS  ORGANIC COMPOUNDS
      .CYCLIC COMPOUNDS
      ..HETEROCYCLIC COMPOUNDS
      ...PYRIMIDINES
      ...#ALLOXAN
  RT  THYMIDINE
      THYMINE
      URACIL
      URIC ACID

ALLOYING
  1701 1703 1704
  RT  ADDITIVES
      ALLOYS
      ALUMINUM-LITHIUM ALLOYS
      BIMETALS
      BINARY ALLOYS
      EUTECTIC ALLOYS
      EUTECTICS
      INTERMETALLICS
    % METALLURGY
      POWDER METALLURGY
      PYROMETALLURGY
      QUATERNARY ALLOYS
      SOLID SOLUTIONS
      TERNARY ALLOYS

ALLOYS
  1701
  GS  #ALLOYS
      .ANTIMONY ALLOYS
      ..BABBITT METAL
      .ARSENIC ALLOYS
      .BARIUM ALLOYS
      .BEARING ALLOYS
      .BINARY ALLOYS
      .BISMUTH ALLOYS
      .BORON ALLOYS
      .CADMIUM ALLOYS
      .CAST ALLOYS
      .CESIUM ALLOYS
      .CHROMIUM ALLOYS
      ..ASTROLOY (TRADEMARK)
      ..CHROMIUM STEELS
      ..RENE 41
      ..RENE 63
      ..RENE 77
      ..RENE 95
      .COBALT ALLOYS
      ..ASTROLOY (TRADEMARK)
      ..RENE 41
      ..RENE 63
      ..RENE 77
      ..RENE 95
      .CONSTANTAN
      .COPPER ALLOYS
      ..BABBITT METAL
      ..BRASSES
      ..BRONZES
      ..MANGANIN (TRADEMARK)
      .EUTECTIC ALLOYS
      .GALLIUM ALLOYS
      .GERMANIUM ALLOYS
      .GOLD ALLOYS
      .HAFNIUM ALLOYS
      .HEAT RESISTANT ALLOYS
      ..NIMONIC ALLOYS
      ..REFRACTORY METAL ALLOYS
      ...MOLYBDENUM ALLOYS
      ....RENE 41
      ....RENE 63
      ....RENE 77
      ...NIOBIUM ALLOYS
      ...OSMIUM ALLOYS
      ...RHENIUM ALLOYS
      ...TANTALUM ALLOYS
      ...TUNGSTEN ALLOYS
      ..UDIMET ALLOYS
      ..WASPALOY
      .HIGH STRENGTH ALLOYS
      ..ASTROLOY (TRADEMARK)
      ..HIGH STRENGTH STEELS
      ...MARAGING STEELS
      .INDIUM ALLOYS
      .IRIDIUM ALLOYS
      .IRON ALLOYS
      ..STEELS
      ...BAINITIC STEEL
      ...CARBON STEELS
      ....LOW CARBON STEELS
      ...CHROMIUM STEELS
      ...CROLOY
      ...HIGH STRENGTH STEELS
      ....MARAGING STEELS
      ...NICKEL STEELS
      ...STAINLESS STEELS
      ....AUSTENITIC STAINLESS STEELS
      ....FERRITIC STAINLESS STEELS
      ....MARTENSITIC STAINLESS STEELS
      .KOVAR (TRADEMARK)
      .LEAD ALLOYS
      .LIGHT ALLOYS
      ..ALUMINUM ALLOYS
      ...ALUMINUM-LITHIUM ALLOYS
      ..BERYLLIUM ALLOYS
      ..MAGNESIUM ALLOYS
      .LIQUID ALLOYS
      .LITHIUM ALLOYS
      ..ALUMINUM-LITHIUM ALLOYS
      .MANGANESE ALLOYS
      ..MANGANIN (TRADEMARK)
      .MERCURY ALLOYS
      ..MERCURY AMALGAMS
      .MONOTECTIC ALLOYS
      .MULBERRY (ALLOY)
      .NICKEL ALLOYS
      ..ASTROLOY (TRADEMARK)
      ..HASTELLOY (TRADEMARK)
      ..INCONEL (TRADEMARK)
      ..KAMACITE
      ..MONEL (TRADEMARK)
      ..NICHROME (TRADEMARK)
      ..NITINOL ALLOYS
      ..RENE 41
      ..RENE 63
      ..RENE 77
      ..RENE 95
      ..UDIMET ALLOYS
      ..WASPALOY
      .PALLADIUM ALLOYS
```

.PERMALLOYS (TRADEMARK)
.PLATINUM ALLOYS
.PLUTONIUM ALLOYS
.POTASSIUM ALLOYS
.QUATERNARY ALLOYS
.RARE EARTH ALLOYS
..ERBIUM ALLOYS
..GADOLINIUM ALLOYS
..LANTHANUM ALLOYS
..NEODYMIUM ALLOYS
.RHODIUM ALLOYS
.RUTHENIUM ALLOYS
.SELENIUM ALLOYS
.SHAPE MEMORY ALLOYS
..NITINOL ALLOYS
.SILICON ALLOYS
.SILVER ALLOYS
.SODIUM ALLOYS
.SOLDERS
.SYNTECTIC ALLOYS
.TELLURIUM ALLOYS
.TERNARY ALLOYS
..ASTROLOY (TRADEMARK)
.THALLIUM ALLOYS
.THORIUM ALLOYS
.TIN ALLOYS
..BABBITT METAL
.TITANIUM ALLOYS
..NITINOL ALLOYS
.URANIUM ALLOYS
.VANADIUM ALLOYS
.WROUGHT ALLOYS
.YTTRIUM ALLOYS
.ZINC ALLOYS
.ZIRCONIUM ALLOYS
..ZIRCALOYS (TRADEMARK)
...ZIRCALOY 2 (TRADEMARK)
RT ALLOYING
BIMETALS
BINARY SYSTEMS (MATERIALS)
DISPERSION STRENGTHENING
EUTECTIC COMPOSITES
EUTECTICS
FERROUS METALS
HARDENERS
HEAT TREATMENT
INTERMETALLICS
KONDO EFFECT
LIQUID PHASES
METALLOGRAPHY
METALLOIDS
% METALLURGY
METALS
MIXTURES
OXIDE DISPERSION STRENGTHENING
PHASE DIAGRAMS
POWDER METALLURGY
PRECIPITATES
RHEOCASTING
SOLID SOLUTIONS
STRESS RELIEVING
TERNARY SYSTEMS

ALLUVIUM
0404 1306 1308
GS SOILS
#ALLUVIUM
RT CLAYS
DELTAS
FANS (LANDFORMS)
FLOODS
GRAVELS
HYDROLOGY
MUD
RIVERS
SANDS
SEDIMENTARY ROCKS
SEDIMENTS
STREAMS
WATER FLOW

ALLYL COMPOUNDS
1808
RT % CHEMICAL COMPOUNDS
DIALLYL COMPOUNDS

ALMUCANTAR
USE ELEVATION ANGLE

ALOHA SYSTEM
0702
GS COMMUNICATION NETWORKS
#ALOHA SYSTEM
TELECOMMUNICATION
.MULTIPLE ACCESS
.#ALOHA SYSTEM
.PACKET TRANSMISSION
.#ALOHA SYSTEM
TRANSMISSION
.SIGNAL TRANSMISSION
..DATA TRANSMISSION
...MULTIPLE ACCESS
...#ALOHA SYSTEM
...PACKET TRANSMISSION
...#ALOHA SYSTEM
RT CHANNEL CAPACITY
CHANNEL NOISE
CODE DIVISION MULTIPLE ACCESS
COMPUTER NETWORKS
FREQUENCY DIVISION MULTIPLE ACCESS
PACKETS (COMMUNICATION)
RANDOM ACCESS
SATELLITE TRANSMISSION
% SYSTEMS
TIME DIVISION MULTIPLE ACCESS
TRANSMISSION EFFICIENCY
VSAT (NETWORK)

ALOUETTE B SATELLITE
3107 3110
GS ARTIFICIAL SATELLITES
.ALOUETTE SATELLITES
.#ALOUETTE B SATELLITE
CANADIAN SPACECRAFT
.ALOUETTE SATELLITES
.#ALOUETTE B SATELLITE
RT ISIS-X

ALOUETTE HELICOPTERS
0206
GS SUD AVIATION AIRCRAFT
#ALOUETTE HELICOPTERS
..SA-330 HELICOPTER
..SE-3160 HELICOPTER
V/STOL AIRCRAFT
.ROTARY WING AIRCRAFT
..HELICOPTERS
..#ALOUETTE HELICOPTERS
....SA-330 HELICOPTER
....SE-3160 HELICOPTER
RT % AIRCRAFT

ALOUETTE PROJECT
3409
GS PROGRAMS
.PROJECTS
.#ALOUETTE PROJECT
.SPACE PROGRAMS
..CANADIAN SPACE PROGRAM
..#ALOUETTE PROJECT
RT COSMIC NOISE
DATA ACQUISITION
IONOSPHERIC SOUNDING
ISIS-A

ALOUETTE SATELLITES
3107 3110
GS ARTIFICIAL SATELLITES
#ALOUETTE SATELLITES
..ALOUETTE B SATELLITE
..ALOUETTE 1 SATELLITE
..ALOUETTE 2 SATELLITE
CANADIAN SPACECRAFT
#ALOUETTE SATELLITES
..ALOUETTE B SATELLITE

```
        ..ALOUETTE 1 SATELLITE
        ..ALOUETTE 2 SATELLITE
  RT    ISIS SATELLITES

ALOUETTE 1 SATELLITE
  3107 3110
  UF    S-27 SATELLITE
  GS    ARTIFICIAL SATELLITES
        .ALOUETTE SATELLITES
        .#ALOUETTE 1 SATELLITE
        CANADIAN SPACECRAFT
        .ALOUETTE SATELLITES
        .#ALOUETTE 1 SATELLITE
  RT    IONOSPHERIC SOUNDING

ALOUETTE 2 SATELLITE
  3107
  GS    ARTIFICIAL SATELLITES
        .ALOUETTE SATELLITES
        .#ALOUETTE 2 SATELLITE
        .ISIS SATELLITES
        .#ALOUETTE 2 SATELLITE
        CANADIAN SPACECRAFT
        .ALOUETTE SATELLITES
        .#ALOUETTE 2 SATELLITE
  RT    IONOSPHERIC SOUNDING

ALOUETTE 3 HELICOPTER
  USE   SE-3160 HELICOPTER

ALPHA DECAY
  2403 2405 2406
  GS    DECAY
        .RADIOACTIVE DECAY
        .#ALPHA DECAY
        NUCLEAR REACTIONS
        .RADIOACTIVE DECAY
        .#ALPHA DECAY
  RT    FINE STRUCTURE
        SELECTION RULES (NUCLEAR PHYSICS)

ALPHA JET AIRCRAFT
  0207 0209
  GS    ATTACK AIRCRAFT
        .FIGHTER AIRCRAFT
        .#ALPHA JET AIRCRAFT
        JET AIRCRAFT
        #ALPHA JET AIRCRAFT
        TRAINING AIRCRAFT
        #ALPHA JET AIRCRAFT
  RT %  AIRCRAFT
     %  MILITARY AIRCRAFT

ALPHA PARTICLES
  2403 2405
  SN    (EMITTED BY NUCLEI)
  UF    ALPHA RADIATION
  GS    IONIZING RADIATION
        #ALPHA PARTICLES
        PARTICLES
        .ELEMENTARY PARTICLES
        ..BOSONS
        ..#ALPHA PARTICLES
        .NUCLEAR PARTICLES
        ..BOSONS
        ..#ALPHA PARTICLES
  RT    ALPHATRONS
        CORPUSCULAR RADIATION
        COSMIC RAYS
        DEUTERON IRRADIATION
        DEUTERONS
        FLUX DENSITY
        HELIUM
        HELIUM IONS
        IONS
        NUCLEAR RADIATION
        NUCLEONS
        PROTONS
     %  RADIATION
        RADIOACTIVITY
        SOLAR WIND VELOCITY
        TRITONS

ALPHA PLASMA DEVICES
  2403 2501
  GS    PLASMA ACCELERATORS
        #ALPHA PLASMA DEVICES
  RT %  DEVICES
        HALL ACCELERATORS
        MAGNETOHYDRODYNAMICS
        PLASMA PHYSICS
        PLASMAS (PHYSICS)

ALPHA RADIATION
  USE   ALPHA PARTICLES

ALPHABETS
  0702 0802 1902 3405
  RT    ALPHANUMERIC CHARACTERS
        CODING
        LANGUAGES
        SYMBOLS

ALPHANUMERIC CHARACTERS
  0802 0803 1802 1803
  GS   #ALPHANUMERIC CHARACTERS
        .DIGITS
        ..BINARY DIGITS
  RT    ALPHABETS
        INSTRUCTION SETS (COMPUTERS)
        LIGHT EMITTING DIODES
     %  NUMBERS
        SYMBOLS

ALPHATRONS
  2202 2403 3404
  GS    MEASURING INSTRUMENTS
        .PRESSURE GAGES
        ..VACUUM GAGES
        ...IONIZATION GAGES
        ...#ALPHATRONS
        VACUUM APPARATUS
        .VACUUM GAGES
        ..IONIZATION GAGES
        ..#ALPHATRONS
  RT    ALPHA PARTICLES

ALPINE METEOROLOGY
  2003
  GS    METEOROLOGY
        #ALPINE METEOROLOGY
  RT    AERONOMY
        CLOUDS (METEOROLOGY)
        NEPHANALYSIS
        PRECIPITATION (METEOROLOGY)
        STORMS (METEOROLOGY)
        WEATHER
        WIND (METEOROLOGY)

ALPS MOUNTAINS (EUROPE)
  1305
  GS    LANDFORMS
        .MOUNTAINS
        .#ALPS MOUNTAINS (EUROPE)
  RT    AUSTRIA
        EUROPE
        ITALY
        SWITZERLAND
        WEST GERMANY

ALS (LAUNCH SYSTEM)
  USE   ADVANCED LAUNCH SYSTEM (STS)

ALSEP
  USE   APOLLO LUNAR SURFACE EXPERIMENTS
        PACKAGE

ALTAIR ENGINE
  USE   X-248 ENGINE

ALTERATION
  USE   REVISIONS

ALTERNATING CURRENT
  0302 0303 0902 0904 2304 3407
```

UF AC (CURRENT)
GS ELECTRIC CURRENT
#ALTERNATING CURRENT
ELECTRICITY
#ALTERNATING CURRENT
RT CURRENT CONVERTERS (AC TO DC)
DIRECT CURRENT
INDUCTION MOTORS
INVERTED CONVERTERS (DC TO AC)
VOLTAGE CONVERTERS (AC TO AC)

ALTERNATING CURRENT GENERATORS
USE AC GENERATORS

ALTERNATING DIRECTION IMPLICIT METHODS
0802 1902 3404 3406 3501
UF ADI METHODS
GS PROBLEM SOLVING
#ALTERNATING DIRECTION IMPLICIT METHODS
RT DIFFERENTIAL EQUATIONS
NUMERICAL ANALYSIS
PARTIAL DIFFERENTIAL EQUATIONS

ALTERNATIONS
3407
GS VARIATIONS
.PERIODIC VARIATIONS
.#ALTERNATIONS
RT CYCLES
INTERVALS
RHYTHM (BIOLOGY)

ALTERNATIVES
3408
RT OPTIONS
SUBSTITUTES
VARIATIONS

ALTERNATORS (GENERATORS)
USE AC GENERATORS

ALTIMETERS
0202 0203 1402 3009
GS MEASURING INSTRUMENTS
.DISTANCE MEASURING EQUIPMENT
.#ALTIMETERS
...LASER ALTIMETERS
...RADIO ALTIMETERS
RT AIRCRAFT INSTRUMENTS
ALTIMETRY
ALTITUDE
APPROACH INDICATORS
ASTROLABES
BAROMETERS
FLIGHT INSTRUMENTS
HYPSOMETERS
LANDING INSTRUMENTS
NAVIGATION AIDS
NAVIGATION INSTRUMENTS
POSITION INDICATORS
RANGE FINDERS
RATE OF CLIMB INDICATORS
SATELLITE ALTIMETRY

ALTIMETRY
0202 0203 1402 3009
GS #ALTIMETRY
.SATELLITE ALTIMETRY
RT ALTIMETERS
ALTITUDE
ELEVATION
GEODESY
GEOIDS
RADAR MEASUREMENT
TOPOGRAPHY

ALTITUDE
1308 2003 2103 3001 3006
GS #ALTITUDE
.FLIGHT ALTITUDE
.HIGH ALTITUDE
.LOW ALTITUDE
.MIDALTITUDE
.SEA LEVEL
RT ALTIMETERS
ALTIMETRY
APEXES
AZIMUTH
DISTANCE
ELEVATION
ELEVATION ANGLE
HEIGHT
POSITION (LOCATION)

ALTITUDE ACCLIMATIZATION
0401 0408
GS ADAPTATION
.ACCLIMATIZATION
.#ALTITUDE ACCLIMATIZATION
RT MOUNTAIN INHABITANTS

ALTITUDE CONTROL
0203 1402 1410
RT % CONTROL
LASER ALTIMETERS
LATERAL CONTROL
LONGITUDINAL CONTROL
SPACING

ALTITUDE SICKNESS
0401 0408
GS SICKNESSES
#ALTITUDE SICKNESS
RT AEROEMBOLISM
AEROSINUSITIS
AEROSPACE MEDICINE
DECOMPRESSION SICKNESS

ALTITUDE SIMULATION
1108 0504 1107 1108 3501
UF SIMULATED ALTITUDE
GS SIMULATION
.ENVIRONMENT SIMULATION
.#ALTITUDE SIMULATION
RT COMPUTERIZED SIMULATION
FLIGHT SIMULATION
HIGH ALTITUDE ENVIRONMENTS
HYPOBARIC ATMOSPHERES
LANDING SIMULATION
SPACE ENVIRONMENT SIMULATION
THERMAL SIMULATION
TRAINING DEVICES
VACUUM CHAMBERS

ALTITUDE TESTS
1108 3501
GS #ALTITUDE TESTS
.HIGH ALTITUDE TESTS
RT ENGINE TESTS
FLIGHT TESTS
FULL SCALE TESTS
HIGH ALTITUDE ENVIRONMENTS
TEST VEHICLES
% TESTS

ALTITUDE TOLERANCE
0401 0408
GS TOLERANCES (PHYSIOLOGY)
#ALTITUDE TOLERANCE
RT HIGH ALTITUDE BREATHING
HIGH ALTITUDE ENVIRONMENTS
HIGH ALTITUDE PRESSURE
HYPOBARIC ATMOSPHERES
LOW PRESSURE

ALU (COMPUTER COMPONENTS)
USE ARITHMETIC AND LOGIC UNITS

ALUM
0603 1804
GS ALUMINUM COMPOUNDS
#ALUM
POTASSIUM COMPOUNDS
#ALUM

```
        SULFUR COMPOUNDS
        .SULFATES
        .#ALUM

ALUMINA
  USE   ALUMINUM OXIDES

ALUMINATES
  0603 1804
  GS    ALUMINUM COMPOUNDS
        #ALUMINATES
  RT    ALUMINUM OXIDES
      % OXYGEN COMPOUNDS
        SPINEL

ALUMINIDES
  0603 1804
  GS    ALUMINUM COMPOUNDS
        #ALUMINIDES
  RT    ALUMINUM ALLOYS
        ALUMINUM COATINGS
        HEAT RESISTANT ALLOYS
        INTERMETALLICS
        NICKEL ALLOYS
        PROTECTIVE COATINGS
        TITANIUM ALLOYS

ALUMINIZING
  USE   ALUMINUM COATINGS

ALUMINUM
  0603 1703
  GS    CHEMICAL ELEMENTS
        #ALUMINUM
        ..ALUMINUM ISOTOPES
        ...ALUMINUM 26
        ...ALUMINUM 27
        METALS
        #ALUMINUM
        ..ALUMINUM ISOTOPES
        ...ALUMINUM 26
        ...ALUMINUM 27
  RT    ALUMINUM ALLOYS
        BORAL
        BORSIC (TRADENAME)
        CRYOLITE
        DAWSONITE
        POWDERED ALUMINUM
        REACTION BONDING
        SIALON
        SINTERED ALUMINUM POWDER

ALUMINUM ALLOYS
  1701 1703
  GS    ALLOYS
        .LIGHT ALLOYS
        .#ALUMINUM ALLOYS
        ...ALUMINUM-LITHIUM ALLOYS
  RT    ALUMINIDES
        ALUMINUM
        BEARING ALLOYS
        GALLIUM ALLOYS
        INDIUM ALLOYS
        LAMELLA (METALLURGY)
        LITHIUM ALLOYS
        SILICON ALLOYS
        VANADIUM ALLOYS

ALUMINUM ANTIMONIDES
  0603 1804
  GS    ALUMINUM COMPOUNDS
        #ALUMINUM ANTIMONIDES
        ANTIMONY COMPOUNDS
        .ANTIMONIDES
        .#ALUMINUM ANTIMONIDES

ALUMINUM ARSENIDES
  0603
  GS    ALUMINUM COMPOUNDS
        #ALUMINUM ARSENIDES
        ARSENIC COMPOUNDS
        .ARSENIDES
        .#ALUMINUM ARSENIDES
  RT    SEMICONDUCTORS (MATERIALS)

ALUMINUM BOROHYDRIDES
  0603 1804
  GS    ALUMINUM COMPOUNDS
        .ALUMINUM HYDRIDES
        .#ALUMINUM BOROHYDRIDES
        BORON COMPOUNDS
        .BOROHYDRIDES
        .#ALUMINUM BOROHYDRIDES
        .BORON HYDRIDES
        .#ALUMINUM BOROHYDRIDES
        HYDROGEN COMPOUNDS
        .HYDRIDES
        ..BOROHYDRIDES
        ..#ALUMINUM BOROHYDRIDES
        ..BORON HYDRIDES
        ..#ALUMINUM BOROHYDRIDES
        ..METAL HYDRIDES
        ...ALUMINUM HYDRIDES
        ...#ALUMINUM BOROHYDRIDES

ALUMINUM BORON COMPOSITES
  1703
  GS    COMPOSITE MATERIALS
        .BORON REINFORCED MATERIALS
        .#ALUMINUM BORON COMPOSITES
        .METAL MATRIX COMPOSITES
        .#ALUMINUM BORON COMPOSITES
  RT    BORON FIBERS
        FIBER COMPOSITES

ALUMINUM CARBIDES
  0603 1804
  GS    ALUMINUM COMPOUNDS
        #ALUMINUM CARBIDES
        CARBON COMPOUNDS
        .CARBIDES
        .#ALUMINUM CARBIDES

ALUMINUM CHLORIDES
  0603 1804
  GS    ALUMINUM COMPOUNDS
        #ALUMINUM CHLORIDES
        HALOGEN COMPOUNDS
        .CHLORINE COMPOUNDS
        ..CHLORIDES
        ..#ALUMINUM CHLORIDES
        .HALIDES
        ..CHLORIDES
        ..#ALUMINUM CHLORIDES
        ..METAL HALIDES
        ..#ALUMINUM CHLORIDES

ALUMINUM COATINGS
  1703 1704
  UF    ALUMINIZING
  GS    COATINGS
        .METAL COATINGS
        .#ALUMINUM COATINGS
  RT    ALUMINIDES

ALUMINUM COMPOUNDS
  0603 1804
  GS   #ALUMINUM COMPOUNDS
        .ALUM
        .ALUMINATES
        .ALUMINIDES
        .ALUMINUM ANTIMONIDES
        .ALUMINUM ARSENIDES
        .ALUMINUM CARBIDES
        .ALUMINUM CHLORIDES
        .ALUMINUM FLUORIDES
        .ALUMINUM HYDRIDES
        ..ALUMINUM BOROHYDRIDES
        .ALUMINUM NITRIDES
        .ALUMINUM OXIDES
        ..ALEXANDRITE
        ..SAPPHIRE
        .ALUMINUM PERCHLORATES
        .ALUMINUM SILICATES
        ..ANDESITE
```

..GEHLENITE
..KAOLINITE
..MONTMORILLONITE
..PYROPHYLLITE
.BERYL
..ALEXANDRITE
.CORDIERITE
.CRYOLITE
.FELDSPARS
.LITHIUM ALUMINUM HYDRIDES
.MUSCOVITE
.NEPHELINE
.NEPHELITE
.ORGANIC ALUMINUM COMPOUNDS
.SPODUMENE
.TOURMALINE
RT % CHEMICAL COMPOUNDS
% GROUP 3A COMPOUNDS
% METAL COMPOUNDS
METAL FUELS
METAL PROPELLANTS

ALUMINUM FLUORIDES
0603 1804
GS ALUMINUM COMPOUNDS
#ALUMINUM FLUORIDES
HALOGEN COMPOUNDS
.FLUORINE COMPOUNDS
..FLUORIDES
...METAL FLUORIDES
...#ALUMINUM FLUORIDES

ALUMINUM GALLIUM ARSENIDE LASERS
1601
GS ELECTRONIC EQUIPMENT
.SOLID STATE DEVICES
..SEMICONDUCTOR DEVICES
...SEMICONDUCTOR LASERS
...#ALUMINUM GALLIUM ARSENIDE LASERS
..SOLID STATE LASERS
..#ALUMINUM GALLIUM ARSENIDE LASERS
STIMULATED EMISSION DEVICES
.LASERS
..SEMICONDUCTOR LASERS
..#ALUMINUM GALLIUM ARSENIDE LASERS
..SOLID STATE LASERS
..#ALUMINUM GALLIUM ARSENIDE LASERS
RT GALLIUM ARSENIDE LASERS
INJECTION LASERS
WAVEGUIDE LASERS

ALUMINUM GALLIUM ARSENIDES
1703
UF ALGAAS
GS ARSENIC COMPOUNDS
.ARSENIDES
..GALLIUM ARSENIDES
..#ALUMINUM GALLIUM ARSENIDES
GALLIUM COMPOUNDS
.GALLIUM ARSENIDES
.#ALUMINUM GALLIUM ARSENIDES
RT MODFETS
NEGATIVE RESISTANCE DEVICES

ALUMINUM GRAPHITE COMPOSITES
1703
GS COMPOSITE MATERIALS
.METAL MATRIX COMPOSITES
.#ALUMINUM GRAPHITE COMPOSITES
RT FIBER COMPOSITES
GRAPHITE

ALUMINUM HYDRIDES
0603 1804
GS ALUMINUM COMPOUNDS
#ALUMINUM HYDRIDES
..ALUMINUM BOROHYDRIDES
HYDROGEN COMPOUNDS
.HYDRIDES
..METAL HYDRIDES
..#ALUMINUM HYDRIDES
....ALUMINUM BOROHYDRIDES

ALUMINUM ISOTOPES
0603 1703 2406
GS CHEMICAL ELEMENTS
.ALUMINUM
.#ALUMINUM ISOTOPES
...ALUMINUM 26
...ALUMINUM 27
.NUCLIDES
..ISOTOPES
..#ALUMINUM ISOTOPES
....ALUMINUM 26
....ALUMINUM 27
METALS
.ALUMINUM
.#ALUMINUM ISOTOPES
...ALUMINUM 26
...ALUMINUM 27

ALUMINUM NITRIDES
0603 1804
GS ALUMINUM COMPOUNDS
#ALUMINUM NITRIDES
NITROGEN COMPOUNDS
.NITRIDES
..METAL NITRIDES
..#ALUMINUM NITRIDES

ALUMINUM OXIDES
0603 1804
UF ALUMINA
CORUNDUM
GS ALUMINUM COMPOUNDS
#ALUMINUM OXIDES
..ALEXANDRITE
..SAPPHIRE
CHALCOGENIDES
.OXIDES
..METAL OXIDES
..#ALUMINUM OXIDES
....SAPPHIRE
RT ABRASIVES
ALUMINATES
BAUXITE
ENERGY ABSORPTION FILMS
GEHLENITE
KAOLINITE
PYROPHYLLITE
RUBY
THERMITES

ALUMINUM PERCHLORATES
0603 1804
GS ALUMINUM COMPOUNDS
#ALUMINUM PERCHLORATES
HALOGEN COMPOUNDS
.CHLORINE COMPOUNDS
..PERCHLORATES
..#ALUMINUM PERCHLORATES

ALUMINUM SILICATES
0603 1804
GS ALUMINUM COMPOUNDS
#ALUMINUM SILICATES
..ANDESITE
..GEHLENITE
..KAOLINITE
..MONTMORILLONITE
..PYROPHYLLITE
SILICON COMPOUNDS
.SILICATES
.#ALUMINUM SILICATES
...ANDESITE
...GEHLENITE
...KAOLINITE
...MONTMORILLONITE
...PYROPHYLLITE
RT MINERALS
MULLITES

ALUMINUM 26
0603 1703 2406

```
  GS    CHEMICAL ELEMENTS
        .ALUMINUM
        ..ALUMINUM ISOTOPES
        ..#ALUMINUM 26
        .NUCLIDES
        ..ISOTOPES
        ...ALUMINUM ISOTOPES
        ...#ALUMINUM 26
        METALS
        .ALUMINUM
        ..ALUMINUM ISOTOPES
        ..#ALUMINUM 26

ALUMINUM 27
  0603 1703 2406
  GS    CHEMICAL ELEMENTS
        .ALUMINUM
        ..ALUMINUM ISOTOPES
        ..#ALUMINUM 27
        .NUCLIDES
        ..ISOTOPES
        ...ALUMINUM ISOTOPES
        ...#ALUMINUM 27
        METALS
        .ALUMINUM
        ..ALUMINUM ISOTOPES
        ..#ALUMINUM 27

ALUMINUM-LITHIUM ALLOYS
  1701
  GS    ALLOYS
        .LIGHT ALLOYS
        ..ALUMINUM ALLOYS
        ..#ALUMINUM-LITHIUM ALLOYS
        .LITHIUM ALLOYS
        .#ALUMINUM-LITHIUM ALLOYS
  RT    AIRCRAFT CONSTRUCTION MATERIALS
        AIRFRAME MATERIALS
        ALLOYING
        COPPER ALLOYS
        HIGH STRENGTH ALLOYS
        MAGNESIUM ALLOYS

ALVEOLAR AIR
  0404
  GS    GASES
        .GAS MIXTURES
        ..AIR
        ..#ALVEOLAR AIR
        MIXTURES
        .SOLUTIONS
        ..GAS MIXTURES
        ...AIR
        ...#ALVEOLAR AIR
  RT    EXHALATION
        EXPIRED AIR
        LUNGS

ALVEOLI
  0404
  GS    ANATOMY
        .RESPIRATORY SYSTEM
        ..LUNGS
        ..#ALVEOLI
  RT    LUNG MORPHOLOGY
        PULMONARY CIRCULATION
        PULMONARY FUNCTIONS
        RESPIRATION

AM (MODULATION)
  USE   AMPLITUDE MODULATION

AMALGAMS
  USE   MERCURY AMALGAMS

AMALTHEA
  3008
  GS    CELESTIAL BODIES
        .NATURAL SATELLITES
        ..JUPITER SATELLITES
        ..#AMALTHEA
  RT    JUPITER (PLANET)
        SOLAR SYSTEM

AMAZON REGION (SOUTH AMERICA)
  1305
  GS    REGIONS
        .TROPICAL REGIONS
        .#AMAZON REGION (SOUTH AMERICA)
  RT    BRAZIL
        FORESTS
        RIVER BASINS
        RIVERS

AMBERLITE (TRADEMARK)
  1805 1806
  RT    ASBESTOS
        THERMAL INSULATION

AMBIENCE
  3304 3408
  RT    ACOUSTIC MEASUREMENT
        ENVIRONMENTAL MONITORING
        ENVIRONMENTS
        NOISE (SOUND)
        POLLUTION MONITORING

AMBIENT TEMPERATURE
  1408 3408
  UF    ENVIRONMENTAL TEMPERATURE
  GS    TEMPERATURE
        #AMBIENT TEMPERATURE
  RT    ATMOSPHERIC TEMPERATURE
        OPERATING TEMPERATURE
        ROOM TEMPERATURE
        SATELLITE TEMPERATURE

AMBIGUITY
  2103
  RT    INTELLIGIBILITY
        POSITIONING

AMBIPOLAR DIFFUSION
  2403 2502
  GS    DIFFUSION
        #AMBIPOLAR DIFFUSION
  RT    ELECTRON DIFFUSION
        ELECTRON MOBILITY
        IONIC DIFFUSION
        IONIC MOBILITY
        PLASMA DIFFUSION

AMBIT
  USE   FIELD THEORY (PHYSICS)

AMBULANCES
  1101 1104
  RT    MEDICAL SERVICES
      % MILITARY VEHICLES
        SAFETY DEVICES

AMERICAN INDIANS
  3402
  RT    ANTHROPOLOGY
        CULTURE (SOCIAL SCIENCES)
        ETHNIC FACTORS
        MINORITIES
        RACES (ANTHROPOLOGY)

AMERICIUM
  0603 1703 2406
  GS    CHEMICAL ELEMENTS
        .ACTINIDE SERIES
        ..TRANSURANIUM ELEMENTS
        ..#AMERICIUM
        ....AMERICIUM ISOTOPES
        .....AMERICIUM 241
        .NUCLIDES
        ..ISOTOPES
        ...RADIOACTIVE ISOTOPES
        ....TRANSURANIUM ELEMENTS
        ....#AMERICIUM
        ......AMERICIUM ISOTOPES
        .......AMERICIUM 241
        METALS
```

```
        .ACTINIDE SERIES
        ..TRANSURANIUM ELEMENTS
        ..#AMERICIUM
        ....AMERICIUM ISOTOPES
        .....AMERICIUM 241

AMERICIUM ISOTOPES
  0603 1703 2406
  GS    CHEMICAL ELEMENTS
        .ACTINIDE SERIES
        ..TRANSURANIUM ELEMENTS
        ...AMERICIUM
        ...#AMERICIUM ISOTOPES
        .....AMERICIUM 241
        .NUCLIDES
        ..ISOTOPES
        ...RADIOACTIVE ISOTOPES
        ....TRANSURANIUM ELEMENTS
        .....AMERICIUM
        .....#AMERICIUM ISOTOPES
        .......AMERICIUM 241
        METALS
        .ACTINIDE SERIES
        ..TRANSURANIUM ELEMENTS
        ...AMERICIUM
        ...#AMERICIUM ISOTOPES
        .....AMERICIUM 241

AMERICIUM 241
  0603 1703 2406
  GS    CHEMICAL ELEMENTS
        .ACTINIDE SERIES
        ..TRANSURANIUM ELEMENTS
        ...AMERICIUM
        ....AMERICIUM ISOTOPES
        ....#AMERICIUM 241
        .NUCLIDES
        ..ISOTOPES
        ...RADIOACTIVE ISOTOPES
        ....TRANSURANIUM ELEMENTS
        .....AMERICIUM
        ......AMERICIUM ISOTOPES
        ......#AMERICIUM 241
        METALS
        .ACTINIDE SERIES
        ..TRANSURANIUM ELEMENTS
        ...AMERICIUM
        ....AMERICIUM ISOTOPES
        ....#AMERICIUM 241

AMIDASE
  0403 1808
  GS    BIOPOLYMERS
        .PROTEINS
        ..ENZYMES
        ..#AMIDASE
        ORGANIC COMPOUNDS
        .PROTEINS
        ..ENZYMES
        ..#AMIDASE
  RT    AMINO ACIDS

AMIDES
  0403 0603 1804 1808
  GS    NITROGEN COMPOUNDS
        #AMIDES
        ..ACETANILIDE
        ..ACETAZOLAMIDE
        ..CARBAMIDES
        ..CYANAMIDES
        ..FORMHYDROXAMIC ACID
        ..NICOTINAMIDE
        ..OXAMIC ACIDS
        ..POLYIMIDES
        ...BISMALEIMIDE
        ..SUCCINIMIDES
        ..UREAS
        ...DIFLUOROUREA
        ...THIOUREAS
        ...THIURONIUM
  RT    IMIDES

AMINES
  1808
  GS   #AMINES
        .AMINOPHYLLINE
        .AMPHETAMINES
        ..METHAMPHETAMINE
        .ANILINE
        .CATECHOLAMINE
        ..EPINEPHRINE
        ...NOREPINEPHRINE
        .CYSTEAMINE
        .DIAMINES
        ..ETHYLENEDIAMINE
        ..GUANIDINES
        ...GUANETHIDINE
        ...TRIAMINOGUANIDINIUM AZIDE
        .DIFLUOROUREA
        .DIMENHYDRINATE
        .DIMETHYLHYDRAZINES
        .DIPHENYL HYDANTOIN
        .ERGOTAMINE
        .FLUOROAMINES
        ..NITROFLUORAMINES
        ..TRIFLUOROAMINE OXIDE
        .GALLAMINE TRIETHIODIDE
        .HEXAMETHYLENETETRAMINE
        .HISTIDINE
        .HYDROXYLAMINE SULFATE
        .HYOSCINE
        .MECAMYLAMINE
        .MELAMINE
        .METHYLENE DIAMINE
        .MONOETHANOLAMINE (MEA)
        .NITROAMINES
        .NITROSAMINE
        .PROMETHAZINE
        .TETRAFLUOROHYDRAZINE
        .TETRYL
        .THIURONIUM
        .TRINITRAMINE
        .TRYPTAMINES
        ..SEROTONIN
  RT %  ALIPHATIC COMPOUNDS
        HISTAMINES
        HYDRAZINES
        HYDROCARBON FUELS
        IMINES
        LEWIS BASE
        NITROSYLS
        PHENOLIC EPOXY RESINS
        RHODAMINE

AMINO ACIDS
  0403 1808
  GS    ACIDS
        #AMINO ACIDS
        ..ALANINE
        ...PHENYLALANINE
        ..ASPARTIC ACID
        ..CYSTEINE
        ..DOPA
        ..FOLIC ACID
        ..GLUTAMIC ACID
        ..GLUTAMINE
        ..GLYCINE
        ..HIPPURIC ACID
        ..HISTIDINE
        ..LEUCINE
        ...NORLEUCINE
        ..LYSINE
        ..MELANOIDIN
        ..METHIONINE
        ..THYROXINE
        ..TRYPTOPHAN
        ..TYROSINE
        ORGANIC COMPOUNDS
        #AMINO ACIDS
        ..ALANINE
        ...PHENYLALANINE
        ..ASPARTIC ACID
        ..CYSTEINE
        ..DOPA
        ..FOLIC ACID
```

..GLUTAMIC ACID
..GLUTAMINE
..GLYCINE
..HIPPURIC ACID
..HISTIDINE
..LEUCINE
...NORLEUCINE
..LYSINE
..MELANOIDIN
..METHIONINE
..THYROXINE
..TRYPTOPHAN
..TYROSINE
RT ADENOSINE TRIPHOSPHATE
ADRENOCORTICOTROPIN (ACTH)
AMIDASE
ASPARTATES
CYCLIC AMP
CYSTEAMINE
LIPIDS
PEPTIDES
POLYPEPTIDES
PROTOPROTEINS
SYNTHETIC FOOD
URIDYLIC ACID

AMINO RADICAL
0603 0604 2406
GS HYDROGEN COMPOUNDS
.HYDRIDES
..NITROGEN HYDRIDES
..#AMINO RADICAL
NITROGEN COMPOUNDS
.NITROGEN HYDRIDES
.#AMINO RADICAL
RADICALS
#AMINO RADICAL
RT AMMONIA
ANIONS
FREE RADICALS
MOLECULAR IONS
REACTION KINETICS

AMINOPHYLLINE
0403 1808
GS AMINES
#AMINOPHYLLINE
DIURETICS
#AMINOPHYLLINE
DRUGS
#AMINOPHYLLINE
RT STIMULANTS

AMMETERS
0904 1406 2304
GS MEASURING INSTRUMENTS
#AMMETERS
..MICROMILLIAMMETERS
..THERMOELEMENT AMMETERS
RT COULOMETERS
ELECTRIC CURRENT
ELECTRICAL MEASUREMENT
GALVANOMETERS
VOLTMETERS

AMMINES
1808
RT AMMONIA
% CHEMICAL COMPOUNDS
COPPER
INTERMETALLICS
% METAL COMPOUNDS

AMMONIA
0403 0603 1804
GS GASES
#AMMONIA
..LIQUID AMMONIA
INORGANIC COMPOUNDS
#AMMONIA
..LIQUID AMMONIA
NITROGEN COMPOUNDS
#AMMONIA
..LIQUID AMMONIA
RT ABSORPTION COOLING
AMINO RADICAL
AMMINES
AMMONIUM COMPOUNDS
AMMONOLYSIS
ATMOSPHERIC ENERGY SOURCES
CULTIVATION
FERTILIZERS
KJELDAHL METHOD
NITROGEN HYDRIDES
REFRIGERANTS

AMMONIUM BROMIDES
1804
GS AMMONIUM COMPOUNDS
#AMMONIUM BROMIDES
HALOGEN COMPOUNDS
.BROMINE COMPOUNDS
..BROMIDES
..#AMMONIUM BROMIDES
.HALIDES
..BROMIDES
..#AMMONIUM BROMIDES

AMMONIUM CHLORIDES
0603 1804
GS AMMONIUM COMPOUNDS
#AMMONIUM CHLORIDES
HALOGEN COMPOUNDS
.CHLORINE COMPOUNDS
..CHLORIDES
..#AMMONIUM CHLORIDES
.HALIDES
..CHLORIDES
..#AMMONIUM CHLORIDES

AMMONIUM COMPOUNDS
0603 1804
GS #AMMONIUM COMPOUNDS
.AMMONIUM BROMIDES
.AMMONIUM CHLORIDES
.AMMONIUM NITRATES
.AMMONIUM PERCHLORATES
.AMMONIUM PHOSPHATES
.AMMONIUM PICRATES
.AMMONIUM SULFATES
.HYDROXYLAMMONIUM PERCHLORATES
RT AMMONIA
% CHEMICAL COMPOUNDS
HEXAMETHONIUM

AMMONIUM NITRATES
0603 1804
GS AMMONIUM COMPOUNDS
#AMMONIUM NITRATES
NITROGEN COMPOUNDS
.NITRATES
..INORGANIC NITRATES
..#AMMONIUM NITRATES
RT CULTIVATION
FERTILIZERS

AMMONIUM PERCHLORATES
0603 1804
GS AMMONIUM COMPOUNDS
#AMMONIUM PERCHLORATES
HALOGEN COMPOUNDS
.CHLORINE COMPOUNDS
..PERCHLORATES
..#AMMONIUM PERCHLORATES
RT SOLID ROCKET PROPELLANTS

AMMONIUM PHOSPHATES
0603 1804
GS AMMONIUM COMPOUNDS
#AMMONIUM PHOSPHATES
PHOSPHORUS COMPOUNDS
.PHOSPHATES
.#AMMONIUM PHOSPHATES

AMMONIUM PICRATES

```
  0403 1808
  GS   AMMONIUM COMPOUNDS
       #AMMONIUM PICRATES
       NITROGEN COMPOUNDS
       .NITRO COMPOUNDS
       ..PICRATES
       ..#AMMONIUM PICRATES
  RT   EXPLOSIVES

AMMONIUM SULFATES
  0603 1804
  GS   AMMONIUM COMPOUNDS
       #AMMONIUM SULFATES
       SULFUR COMPOUNDS
       .SULFATES
       .#AMMONIUM SULFATES

AMMONOLYSIS
  0403 0602 0603
  GS   CHEMICAL REACTIONS
       #AMMONOLYSIS
       DECOMPOSITION
       #AMMONOLYSIS
  RT   AMMONIA
       CRACKING (CHEMICAL ENGINEERING)
       HYDROLYSIS

AMMUNITION
  3302 3401
  GS  #AMMUNITION
       .INCENDIARY AMMUNITION
  RT   BLANKS
       BOMBS (ORDNANCE)
       CASE BONDED PROPELLANTS
       EXPLOSIVE DEVICES
       EXPLOSIVES
       FUSES (ORDNANCE)
       GRENADES
       GUNS (ORDNANCE)
       IGNITERS
       MAGAZINES (SUPPLY CHAMBERS)
       MINES (ORDNANCE)
       MISSILES
       ORDNANCE
       PROJECTILES
       PROPELLANTS
       PYROTECHNICS
     % ROCKETS
       SHAPED CHARGES
     % SHOT
       TORPEDOES
     % TRACERS
       WARHEADS
       WEAPONS

AMOBARBITAL
  0403 0405 1808
  GS   ACIDS
       #AMOBARBITAL
  RT   CENTRAL NERVOUS SYSTEM DEPRESSANTS

AMOEBA
  0402 0404 0407
  GS   ANIMALS
       .PROTOZOA
       .#AMOEBA
       ...PELOMYXA
       MICROORGANISMS
       .PROTOZOA
       .#AMOEBA
       ...PELOMYXA
  RT   PARASITIC DISEASES

AMOOS
  USE  AEROMANEUVERING ORBIT TO ORBIT
       SHUTTLE

AMOR ASTEROID
  3001
  UF   MINOR PLANET 1221
  GS   CELESTIAL BODIES
       .ASTEROID BELTS
       ..ASTEROIDS
       ..#AMOR ASTEROID
  RT   ASTRONOMY
       JUPITER (PLANET)
       MARS (PLANET)
       PLANETARY ORBITS
       SOLAR SYSTEM

AMORPHOUS MATERIALS
  1801 1804 1805 1808
  GS  #AMORPHOUS MATERIALS
       .AMORPHOUS SILICON
  RT   ASPHALT
       CRYSTALLINITY
       GLASS
       GRAPHOEPITAXY
       GROUT
     % MATERIALS
       SPIN GLASS

AMORPHOUS SEMICONDUCTORS
  2602
  GS   SEMICONDUCTORS (MATERIALS)
       #AMORPHOUS SEMICONDUCTORS
       ..AMORPHOUS SILICON
  RT   SEMICONDUCTING FILMS

AMORPHOUS SILICON
  0603 1805 1807
  GS   AMORPHOUS MATERIALS
       #AMORPHOUS SILICON
       CHEMICAL ELEMENTS
       .METALLOIDS
       ..SILICON
       ..#AMORPHOUS SILICON
       SEMICONDUCTORS (MATERIALS)
       .AMORPHOUS SEMICONDUCTORS
       .#AMORPHOUS SILICON
  RT   DIAMOND FILMS
       PHOTOVOLTAIC CELLS
       SEMICONDUCTING FILMS
       SILICON FILMS
       SILICON JUNCTIONS
       SOLAR CELLS
       THIN FILMS

AMOUNT
  3408
  UF   QUANTITY
  RT   ADDITION
       SUMS
       VALUE

AMPERAGE
  USE  ELECTRIC CURRENT

AMPHETAMINES
  0403 0405 0408 1808
  GS   AMINES
       #AMPHETAMINES
       ..METHAMPHETAMINE
  RT   CENTRAL NERVOUS SYSTEM STIMULANTS

AMPHIBIA
  0402 0404
  GS   ANIMALS
       .VERTEBRATES
       .#AMPHIBIA
       ...FROGS
  RT   POIKILOTHERMIA

AMPHIBIOUS AIRCRAFT
  0201
  GS   AMPHIBIOUS VEHICLES
       #AMPHIBIOUS AIRCRAFT
  RT % AIRCRAFT
       SEAPLANES
       WATER TAKEOFF AND LANDING AIRCRAFT

AMPHIBIOUS VEHICLES
  1204 3401
  GS  #AMPHIBIOUS VEHICLES
       .AMPHIBIOUS AIRCRAFT
```

RT BOATS
% MILITARY VEHICLES
SEAPLANES
SHIPS
SURFACE VEHICLES
% VEHICLES
WATER VEHICLES

AMPHIBOLES
1806
GS MINERALS
#AMPHIBOLES
RT CALCIUM SILICATES
SILICATES

AMPHITRITE ASTEROID
3001
GS CELESTIAL BODIES
.ASTEROID BELTS
..ASTEROIDS
..#AMPHITRITE ASTEROID
RT GALILEO PROJECT

AMPLIDYNES
0302 0303 0904
GS ELECTRIC GENERATORS
.ROTATING GENERATORS
.#AMPLIDYNES
RT AMPLIFIERS
ELECTRIC MOTORS
POWER AMPLIFIERS
SERVOMOTORS

AMPLIFICATION
0703 0710 0905 1001 1002 1201 2311
UF AMPLIFICATION FACTOR
GAIN (AMPLIFICATION)
INTENSIFICATION
GS #AMPLIFICATION
.POWER GAIN
.SOUND AMPLIFICATION
.WAVE AMPLIFICATION
RT AMPLIFIERS
AMPLITUDES
DYNAMIC CHARACTERISTICS
DYNAMIC RANGE
DYNAMIC RESPONSE
FLUID AMPLIFIERS
FLUIDICS
HIGH GAIN
MAGNIFICATION
POSITIVE FEEDBACK
SENSITIVITY
STABILITY
TRANSFER FUNCTIONS
TRANSIENT RESPONSE

AMPLIFICATION FACTOR
USE AMPLIFICATION

AMPLIFIER DESIGN
1001 1002 1201 1202 1601 3404
RT AMPLIFIERS
COMPUTER AIDED DESIGN
% DESIGN
LOGIC DESIGN
OPERATIONAL AMPLIFIERS
PRODUCT DEVELOPMENT
TRAVELING WAVE AMPLIFIERS

AMPLIFIERS
0701 0902 0905 1002 1201 1601 2311
3501
UF ELECTRONIC AMPLIFIERS
GS #AMPLIFIERS
.BEAM PLASMA AMPLIFIERS
.BROADBAND AMPLIFIERS
.CARCINOTRONS
.CURRENT AMPLIFIERS
..PHOTOMULTIPLIER TUBES
...FREQUENCY MODULATION
PHOTOMULTIPLIERS
.DIFFERENTIAL AMPLIFIERS
.DISTRIBUTED AMPLIFIERS
.FEEDBACK AMPLIFIERS
.FLUID AMPLIFIERS
..JET AMPLIFIERS
.INTERMEDIATE FREQUENCY AMPLIFIERS
.LIGHT AMPLIFIERS
.LIMITER AMPLIFIERS
.LINEAR AMPLIFIERS
.MAGNETIC AMPLIFIERS
.MAGNETOSTATIC AMPLIFIERS
.MICROWAVE AMPLIFIERS
..CROSSED FIELD AMPLIFIERS
..CYCLOTRON RESONANCE DEVICES
..PLANOTRONS
.OPERATIONAL AMPLIFIERS
.PARAMETRIC AMPLIFIERS
.POSTAMPLIFIERS
.POWER AMPLIFIERS
.PREAMPLIFIERS
.PUSH-PULL AMPLIFIERS
.QUANTUM AMPLIFIERS
.SERVOAMPLIFIERS
.TRANSISTOR AMPLIFIERS
.TRAVELING WAVE AMPLIFIERS
.VOLTAGE AMPLIFIERS
RT AMPLIDYNES
AMPLIFICATION
AMPLIFIER DESIGN
% BOOSTERS
CAPACITORS
CIRCUITS
DYNAMIC RANGE
% ELECTRIC CELLS
ELECTRIC CHOPPERS
IMAGE INTENSIFIERS
INTENSIFIERS
KLYSTRONS
LASER CAVITIES
LASERS
LINEAR CIRCUITS
MASERS
MODULATORS
MULTIVIBRATORS
OSCILLATORS
RECEIVERS
REPEATERS
SOLID STATE DEVICES
STIMULATED EMISSION DEVICES
TRANSFORMERS
TRAVELING WAVE MASERS

AMPLITRONS (TRADEMARK)
USE PLANOTRONS

AMPLITUDE DISTRIBUTION ANALYSIS
1902 1905
UF AMPLITUDE PROBABILITY ANALYSIS
GS STATISTICAL ANALYSIS
#AMPLITUDE DISTRIBUTION ANALYSIS
RT PHOTOPEAK
PULSE AMPLITUDE
SIGNAL TO NOISE RATIOS
SIGNATURES

AMPLITUDE MODULATION
0708 0710
UF AM (MODULATION)
GS CODING
.SIGNAL ENCODING
.#AMPLITUDE MODULATION
...QUADRATURE AMPLITUDE MODULATION
MODULATION
#AMPLITUDE MODULATION
..QUADRATURE AMPLITUDE MODULATION
RT BRAGG CELLS
DEMODULATION
DEMODULATORS
FREQUENCY MODULATION
LIGHT MODULATION
MODULATORS
P.A.C.M. TELEMETRY
PHASE MODULATION

PULSE MODULATION
SINGLE SIDEBAND TRANSMISSION

AMPLITUDE PROBABILITY ANALYSIS
USE AMPLITUDE DISTRIBUTION ANALYSIS

AMPLITUDES
0710 1902 2311 3001
GS #AMPLITUDES
.PULSE AMPLITUDE
.SCATTERING AMPLITUDE
RT AMPLIFICATION
CYCLES
DIMENSIONS
DISPLACEMENT
FREQUENCIES
% INTENSITY
LEVEL (QUANTITY)
MAGNITUDE
OSCILLATIONS
PHASE DEVIATION
PICOSECOND PULSES
PULSES
STANDING WAVE RATIOS
VIBRATION

AMPOULES
0405
RT % CONTAINERS
LABORATORY EQUIPMENT
VACUUM SYSTEMS

AMPS (SATELLITE PAYLOAD)
0708
UF ATMOSPHERIC AND MAGNETOSPHERIC PAYLOAD
PLASMAS-IN-SPACE PAYLOAD
GS MEASURING INSTRUMENTS
.SATELLITE-BORNE INSTRUMENTS
.#AMPS (SATELLITE PAYLOAD)
PAYLOADS
.SPACELAB PAYLOADS
.#AMPS (SATELLITE PAYLOAD)
RT INSTRUMENT PACKAGES

AMPTE (SATELLITES)
1302 3009
SN (ACTIVE MAGNETOSPHERIC PARTICLE TRACER EXPLORERS)
UF ACTIVE MAGNETO PARTICLE TRACER EXPLORERS
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
.#AMPTE (SATELLITES)
RT EARTH MAGNETOSPHERE
EUROPEAN SPACE PROGRAMS
SATELLITE-BORNE INSTRUMENTS
SOLAR WIND
SPACE PLASMAS
SPACEBORNE EXPERIMENTS

AMTV
USE AUTOMATED MIXED TRAFFIC VEHICLES

AN-2 AIRCRAFT
0201 0204
GS ANTONOV AIRCRAFT
#AN-2 AIRCRAFT
JET AIRCRAFT
#AN-2 AIRCRAFT
MONOPLANES
#AN-2 AIRCRAFT
TRANSPORT AIRCRAFT
#AN-2 AIRCRAFT
RT % AIRCRAFT

AN-22 AIRCRAFT
0204
UF ANTHEUS AIRCRAFT
ANTONOV AN-22 AIRCRAFT
COCK AIRCRAFT
GS ANTONOV AIRCRAFT
#AN-22 AIRCRAFT
JET AIRCRAFT
.TURBOPROP AIRCRAFT
.#AN-22 AIRCRAFT
MONOPLANES
#AN-22 AIRCRAFT
TRANSPORT AIRCRAFT
#AN-22 AIRCRAFT
RT % AIRCRAFT
PASSENGER AIRCRAFT

AN-24 AIRCRAFT
0204
UF ANTONOV AN-24 AIRCRAFT
COKE AIRCRAFT
GS ANTONOV AIRCRAFT
#AN-24 AIRCRAFT
JET AIRCRAFT
.TURBOPROP AIRCRAFT
.#AN-24 AIRCRAFT
MONOPLANES
#AN-24 AIRCRAFT
TRANSPORT AIRCRAFT
#AN-24 AIRCRAFT
RT % AIRCRAFT
PASSENGER AIRCRAFT

ANABAENA
0407 0409
GS PLANTS (BOTANY)
.ALGAE
..BLUE GREEN ALGAE
..#ANABAENA

ANAEROBES
0404 0407
RT AEROBES
BACTERIA
MICROORGANISMS
SEWAGE TREATMENT

ANALGESIA
0405
RT ANESTHESIA
DRUGS
PAIN

ANALOG CIRCUITS
0802 0803
GS CIRCUITS
#ANALOG CIRCUITS
RT DATA CONVERTERS
OPERATIONAL AMPLIFIERS
RHEOELECTRICAL SIMULATION

ANALOG COMPUTERS
0801 0802
GS DATA PROCESSING EQUIPMENT
.COMPUTERS
.#ANALOG COMPUTERS
...EAI 680 COMPUTER
...HONEYWELL 600/6000 COMPUTER
...SIGMA 5 COMPUTER
...UNIVAC 1100 SERIES COMPUTERS
RT DIFFERENTIAL AMPLIFIERS
DIFFERENTIAL ANALYZERS
DIGITAL COMPUTERS
DISCRIMINATORS
FUNCTIONAL INTEGRATION
HYBRID COMPUTERS
MISSILE CONTROL
OPERATIONAL AMPLIFIERS
RESOLVERS
SIGNAL ANALYZERS
SPECTRAL RESOLUTION

ANALOG DATA
0802 0803
RT BINARY DATA
% DATA
DATA CONVERTERS
DATA PROCESSING
DIGITAL DATA

```
    % MEASUREMENT
      VIDEO DATA

ANALOG SIMULATION
  0802 0804
  GS   MODELS
       .MATHEMATICAL MODELS
       .#ANALOG SIMULATION
       SIMULATION
       .COMPUTERIZED SIMULATION
       .#ANALOG SIMULATION
  RT   COMPUTER SYSTEMS SIMULATION
       DIGITAL SIMULATION
       FLIGHT SIMULATION
       RHEOELECTRICAL SIMULATION
       SYSTEMS SIMULATION

ANALOG TO DIGITAL CONVERTERS
  0801 0802
  UF   DIGITIZERS
  GS   DATA CONVERTERS
       #ANALOG TO DIGITAL CONVERTERS
  RT   CODERS
       CODING
    % CONVERTERS
      DATA ACQUISITION
      DIGITAL COMPUTERS
      DIGITAL ELECTRONICS
      DIGITAL SYSTEMS
      DIGITAL TO ANALOG CONVERTERS
      ILLIAC 3 COMPUTER
      ILLIAC 4 COMPUTER
      PERIPHERAL EQUIPMENT (COMPUTERS)
      PLOTTING

ANALOGIES
  0804 1902 1903
  UF   SIMILARITIES
  GS  #ANALOGIES
       .HYDRAULIC ANALOGIES
  RT   COMPARISON
       HOMOLOGY
       SIMULATION

ANALOGS
  1108
  RT   MODELS
       SIMULATORS

ANALYSIS
  USE  ANALYZING

ANALYSIS (MATHEMATICS)
  1902 3501
  GS  #ANALYSIS (MATHEMATICS)
```

```
.APERIODIC FUNCTIONS
.CALCULUS
..CONTINUITY (MATHEMATICS)
..DIFFERENTIAL CALCULUS
..FOURIER-BESSEL TRANSFORMATIONS
..GRAEFF CALCULUS
..INTEGRAL CALCULUS
..LIMITS (MATHEMATICS)
..SERIES (MATHEMATICS)
...ASYMPTOTIC SERIES
...CAMPBELL-HAUSDORFF SERIES
...COSINE SERIES
...FOURIER SERIES
...PADE APPROXIMATION
...POWER SERIES
....TAYLOR SERIES
.....MACLAURIN SERIES
...PROGRESSIONS
...PRONY SERIES
...SINE SERIES
..VECTOR ANALYSIS
...COLLINEARITY
...COPLANARITY
...CURL (VECTORS)
....VORTICITY
.COMBINATORIAL ANALYSIS
..BINOMIAL COEFFICIENTS
..COMBINATIONS (MATHEMATICS)
..FACTORIALS
..PARTITIONS (MATHEMATICS)
..PERMUTATIONS
.COMPLEX VARIABLES
..AIRY FUNCTION
..ANALYTIC FUNCTIONS
...ENTIRE FUNCTIONS
..BESSEL FUNCTIONS
...HANKEL FUNCTIONS
..CAUCHY INTEGRAL FORMULA
..CONFORMAL MAPPING
..CONJUGATES
...CONJUGATE POINTS
..EXPONENTIAL FUNCTIONS
...LOGARITHMS
..GAMMA FUNCTION
..HARMONIC FUNCTIONS
..HYPERBOLIC FUNCTIONS
..HYPERGEOMETRIC FUNCTIONS
..LAGUERRE FUNCTIONS
..LEGENDRE FUNCTIONS
..LIOUVILLE THEOREM
..MATHIEU FUNCTION
..MEROMORPHIC FUNCTIONS
...ELLIPTIC FUNCTIONS
...RATIONAL FUNCTIONS
..NONHOLONOMIC EQUATIONS
```

```
..ORTHOGONAL FUNCTIONS
..SCHWARZ-CHRISTOFFEL
  TRANSFORMATION
..SINGULARITY (MATHEMATICS)
...NAKED SINGULARITIES
..SPHERICAL HARMONICS
.DEPENDENT VARIABLES
.FOURIER ANALYSIS
..FOURIER SERIES
.FUNCTION SPACE
..BANACH SPACE
...HILBERT SPACE
....SOBOLEV SPACE
.FUNCTIONAL ANALYSIS
..BANACH SPACE
...HILBERT SPACE
....SOBOLEV SPACE
..CONVOLUTION INTEGRALS
..HARMONIC ANALYSIS
...TESSERAL HARMONICS
...ZONAL HARMONICS
..INTEGRAL EQUATIONS
...FREDHOLM EQUATIONS
...J INTEGRAL
...SINGULAR INTEGRAL EQUATIONS
...VOLTERRA EQUATIONS
...WIENER HOPF EQUATIONS
..INTEGRAL TRANSFORMATIONS
...FOURIER TRANSFORMATION
...HILBERT TRANSFORMATION
...LAPLACE TRANSFORMATION
.HALF PLANES
.HALF SPACES
.HILL DETERMINANT
.NUMERICAL ANALYSIS
..APPROXIMATION
...BORN APPROXIMATION
...BORN-OPPENHEIMER APPROXIMATION
...CHEBYSHEV APPROXIMATION
...EDDINGTON APPROXIMATION
...ESSENTIALLY NON-OSCILLATORY
   SCHEMES
...FINITE DIFFERENCE THEORY
...FINITE ELEMENT METHOD
...HARTREE APPROXIMATION
...LEAST SQUARES METHOD
...MEAN SQUARE VALUES
...MILNE METHOD
...MULTIGRID METHODS
...NEWTON METHODS
....NEWTON-RAPHSON METHOD
...NUMERICAL DIFFERENTIATION
...OSEEN APPROXIMATION
...PADE APPROXIMATION
...PARTICLE IN CELL TECHNIQUE
```

...POHLHAUSEN METHOD
...PREDICTOR-CORRECTOR METHODS
...RAYLEIGH-RITZ METHOD
...RELAXATION METHOD (MATHEMATICS)
...RITZ AVERAGING METHOD
...SCHWARTZ METHOD
...SOMMERFELD APPROXIMATION
...TVD SCHEMES
...UPWIND SCHEMES (MATHEMATICS)
...VORTEX IN CELL TECHNIQUE
..BOUNDARY INTEGRAL METHOD
..COMPUTATIONAL CHEMISTRY
..COMPUTATIONAL FLUID DYNAMICS
..DIFFERENCE EQUATIONS
..ERROR ANALYSIS
..FINITE VOLUME METHOD
..FLUX VECTOR SPLITTING
..GLIMM METHOD
..GRAEFF CALCULUS
..INTERPOLATION
..ITERATION
...CONJUGATE GRADIENT METHOD
...ITERATIVE SOLUTION
...NEWTON METHODS
...PREDICTOR-CORRECTOR METHODS
..MONTE CARLO METHOD
..NOMOGRAPHS
..NUMERICAL INTEGRATION
...RUNGE-KUTTA METHOD
..TRUNCATION ERRORS
.PFAFF EQUATION
.PHASE-SPACE INTEGRAL
.REAL VARIABLES
..ABEL FUNCTION
..ASYMPTOTES
..BESSEL FUNCTIONS
...HANKEL FUNCTIONS
..BETHE-SALPETER EQUATION
..CALCULUS OF VARIATIONS
..COMPOSITE FUNCTIONS
..DELTA FUNCTION
..DIFFERENTIAL EQUATIONS
...BLASIUS EQUATION
...CHANDRASEKHAR EQUATION
...COSINE SERIES
...DUFFING DIFFERENTIAL EQUATION
...FALKNER-SKAN EQUATION
...HYPERBOLIC DIFFERENTIAL
EQUATIONS
...LAME WAVE EQUATIONS
...PARTIAL DIFFERENTIAL EQUATIONS
....BIHARMONIC EQUATIONS
....BURGER EQUATION
....CAUCHY-RIEMANN EQUATIONS
....ELLIPTIC DIFFERENTIAL EQUATIONS
.....MONGE-AMPERE EQUATION
....EULER-CAUCHY EQUATIONS
....FOKKER-PLANCK EQUATION
....GAUSS EQUATION
....HELMHOLTZ VORTICITY EQUATION
....LIOUVILLE EQUATIONS
....PARABOLIC DIFFERENTIAL
EQUATIONS
....POISSON EQUATION
....VLASOV EQUATIONS
...RICCATI EQUATION
...VORTICITY EQUATIONS
....HELMHOLTZ VORTICITY EQUATION
..EINSTEIN EQUATIONS
..EXISTENCE THEOREMS
..EXTREMUM VALUES
...LIMITS (MATHEMATICS)
...MAXIMA
...MINIMA
..FOURIER-BESSEL TRANSFORMATIONS
..GREEN'S FUNCTIONS
..HYPERBOLIC FUNCTIONS
..HYPERPLANES
..JACOBI INTEGRAL
..JACOBI MATRIX METHOD
..KERNEL FUNCTIONS
..LIAPUNOV FUNCTIONS
..LINEAR EQUATIONS
...LINEAR EVOLUTION EQUATIONS
...RICCATI EQUATION
..LIPSCHITZ CONDITION
..MEASURE AND INTEGRATION
...BINARY INTEGRATION
...BOREL SETS
...FUNCTIONAL INTEGRATION
...INTEGRAL CALCULUS
...J INTEGRAL
...LEBESGUE THEOREM
...NUMERICAL INTEGRATION
....RUNGE-KUTTA METHOD
...STIELTJES INTEGRAL
...WEIGHTING FUNCTIONS
..NEUMANN PROBLEM
..NONLINEAR EQUATIONS
...CUBIC EQUATIONS
...DUFFING DIFFERENTIAL EQUATION
...MONGE-AMPERE EQUATION
...NONLINEAR EVOLUTION EQUATIONS
...QUADRATIC EQUATIONS
...QUARTIC EQUATIONS
..NUMERICAL DIFFERENTIATION
..PERIODIC FUNCTIONS
...TRIGONOMETRIC FUNCTIONS
....COSINE SERIES
....SINE SERIES
....TANGENTS
..SERIES (MATHEMATICS)
...ASYMPTOTIC SERIES
...CAMPBELL-HAUSDORFF SERIES
...COSINE SERIES
...FOURIER SERIES
...PADE APPROXIMATION
...POWER SERIES
....TAYLOR SERIES
.....MACLAURIN SERIES
...PROGRESSIONS
...PRONY SERIES
...SINE SERIES
..STURM-LIOUVILLE THEORY
..VECTOR ANALYSIS
...COLLINEARITY
...COPLANARITY
...CURL (VECTORS)
....VORTICITY
..WEIERSTRASS FUNCTIONS
..WHITTAKER FUNCTIONS
RT ALGEBRA
% ANALYZING
% APPLICATIONS OF MATHEMATICS
DISCONTINUITY
EQUILIBRIUM EQUATIONS
GEOMETRY
% MATHEMATICS
MONOTONE FUNCTIONS
% SPACE
TREES (MATHEMATICS)
VECTOR SPACES
VENN DIAGRAMS

ANALYSIS OF VARIANCE
1902 1905
GS STATISTICAL ANALYSIS
.VARIANCE (STATISTICS)
.#ANALYSIS OF VARIANCE
RT % VARIANCE

ANALYTIC FUNCTIONS
1902 1903
UF HOLOMORPHISM
GS ANALYSIS (MATHEMATICS)
.COMPLEX VARIABLES
.#ANALYTIC FUNCTIONS
...ENTIRE FUNCTIONS
FUNCTIONS (MATHEMATICS)
#ANALYTIC FUNCTIONS
..ENTIRE FUNCTIONS
RT CAUCHY-RIEMANN EQUATIONS
ISOPERIMETRIC PROBLEM
NONHOLONOMIC EQUATIONS
POWER SERIES

```
ANALYTIC GEOMETRY
  1902 1903
  GS   GEOMETRY
       .EUCLIDEAN GEOMETRY
       .#ANALYTIC GEOMETRY
       ...CATENARIES
       ...CIRCUMFERENCES
       ...CONICS
       ....ELLIPSES
       ....HYPERBOLAS
       ....PARABOLAS
       ...CYCLOIDS
       ...EPICYCLOIDS
       ...LOCI
       ...MERCATOR PROJECTION
       ...QUADRANTS
       ...S CURVES
       ....GOMPERTZ CURVES
       ...SPHEROIDS
       ....OBLATE SPHEROIDS
       ....PROLATE SPHEROIDS
       ...TANGENTS
       ...TORUSES
       ...TRIGONOMETRY
  RT   ANNULI
       ASYMPTOTES
       CALCULUS
       COORDINATES
       CURVES (GEOMETRY)
     % CYLINDERS
       DESCRIPTIVE GEOMETRY
       DIFFERENTIAL GEOMETRY
       POLYTOPES
       PROJECTIVE GEOMETRY

ANALYTICAL CHEMISTRY
  0601 0603
  RT   CHEMICAL ANALYSIS
     % CHEMISTRY
       INORGANIC CHEMISTRY
       QUALITATIVE ANALYSIS
       QUANTITATIVE ANALYSIS
       VOLUMETRIC ANALYSIS

ANALYZERS
  0701 0801 0902 0905
  SN   (EXCLUDES DEVICES FOR PERFORMING
       MATHEMATICAL ANALYSIS)
  GS   MEASURING INSTRUMENTS
       #ANALYZERS
       ..ENGINE ANALYZERS
       ..SIGNAL ANALYZERS
  RT   CONTROLLERS
     % DETECTORS
       MONITORS
       SELECTORS
     % TEST EQUIPMENT

% ANALYZING
  0601 0802 1505 3406 3407
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  UF   ANALYSIS
       INSTRUMENTAL ANALYSIS
  RT   ACTIVATION ANALYSIS
       ALGEBRA
       ANALYSIS (MATHEMATICS)
       CHEMICAL ANALYSIS
       COMBINATORIAL ANALYSIS
       COST ANALYSIS
       CREEP ANALYSIS
       DESIGN ANALYSIS
       DIAGNOSIS
       DIFFERENTIAL GEOMETRY
       DUALITY PRINCIPLE
       ERROR ANALYSIS
       EVALUATION
       EXAMINATION
       FAILURE ANALYSIS
       FIGURE OF MERIT
       FORECASTING
       MANAGEMENT ANALYSIS
       MULTIVARIATE STATISTICAL ANALYSIS
       NETWORK ANALYSIS
       NUMERICAL ANALYSIS
       PHOTOINTERPRETATION
       POSTFLIGHT ANALYSIS
       PREDICTION ANALYSIS TECHNIQUES
       PREFLIGHT ANALYSIS
       RELIABILITY ANALYSIS
       SIGNAL ANALYSIS
       SIGNATURE ANALYSIS
       SPECTRUM ANALYSIS
       STATISTICAL ANALYSIS
       STRESS ANALYSIS
       STRUCTURAL ANALYSIS
       SYSTEMS ANALYSIS
       TERRAIN ANALYSIS
       THERMAL ANALYSIS
       TRAINING ANALYSIS
       TRAJECTORY ANALYSIS
       TREND ANALYSIS
       WEIGHT ANALYSIS
       X RAY ANALYSIS

ANAPHYLAXIS
  0404 0405 0408
  GS   SENSITIVITY
       #ANAPHYLAXIS
  RT   ALLERGIC DISEASES
       ANTIGENS
       IMMUNOLOGY
       SENSITIZING

ANASTIGMATISM
  0404 0405 0408
  RT   OPTOMETRY
       VISION

ANATASE
  0603 1804
  UF   OCTAHEDRITE
  GS   CHALCOGENIDES
       .OXIDES
       ..METAL OXIDES
       ...TITANIUM OXIDES
       ...#ANATASE
       MINERALS
       #ANATASE
       TITANIUM COMPOUNDS
       .TITANIUM OXIDES
       .#ANATASE
  RT   PIGMENTS
       RUTILE

ANATOMY
  0402 0404
  SN   (LIMITED TO ANIMAL ANATOMY)
  GS  #ANATOMY
       .ABDOMEN
       .CHEST
       .CIRCULATORY SYSTEM
       ..CARDIOVASCULAR SYSTEM
       ...BLOOD VESSELS
       ....ARTERIES
       .....AORTA
       ....CAPILLARIES (ANATOMY)
       .....GLOMERULUS
       ....VEINS
       ...HEART
       ....CARDIAC AURICLES
       ....CARDIAC VENTRICLES
       ....EPICARDIUM
       ....MYOCARDIUM
       .DIGESTIVE SYSTEM
       ..ESOPHAGUS
       ..GASTROINTESTINAL SYSTEM
       ...APPENDIX (ANATOMY)
       ...INTESTINES
       ....RECTUM
       ...STOMACH
       ..MOUTH
       ..PANCREAS
```

..SALIVARY GLANDS
..TEETH
..TONGUE
.FACE (ANATOMY)
..CHIN
..FOREHEAD
..MOUTH
...LIPS (ANATOMY)
..NOSE (ANATOMY)
.GENITOURINARY SYSTEM
..BLADDER
..KIDNEYS
...GLOMERULUS
..REPRODUCTIVE SYSTEMS
...SEX GLANDS
....GONADS
.....OVARIES
.....TESTES
....PROSTATE GLAND
...UTERUS
.GLANDS (ANATOMY)
..ENDOCRINE GLANDS
...ADRENAL GLAND
...GONADS
....OVARIES
....TESTES
...HYPOTHALAMUS
...PANCREAS
...PARATHYROID GLAND
...PINEAL GLAND
...PITUITARY GLAND
...THYMUS GLAND
...THYROID GLAND
..MAMMARY GLANDS
..SALIVARY GLANDS
..SEBACEOUS GLANDS
..SEX GLANDS
...GONADS
....OVARIES
....TESTES
...PROSTATE GLAND
.HEAD (ANATOMY)
..SKULL
...CRANIUM
....INTRACRANIAL CAVITY
...MASTOIDS
.HUMAN BODY
.LIMBS (ANATOMY)
..ARM (ANATOMY)
...ELBOW (ANATOMY)
...FOREARM
..HAND (ANATOMY)
...FINGERS
..LEG (ANATOMY)
...FEET (ANATOMY)
...KNEE (ANATOMY)
.LIVER
.LUMBAR REGION
.MUSCULOSKELETAL SYSTEM
..BONES
...FEMUR
...PELVIS
...SCAPULA
...SKULL
....CRANIUM
.....INTRACRANIAL CAVITY
....MASTOIDS
...SPINE
....VERTEBRAE
...STERNUM
...TIBIA
...ULNA
..CONNECTIVE TISSUE
...BONE MARROW
...CARTILAGE
...COLLAGENS
..JOINTS (ANATOMY)
...ELBOW (ANATOMY)
...KNEE (ANATOMY)
...WRIST
..MUSCLES
...CONSTRICTORS
...FLEXORS
...TENDONS
.NECK (ANATOMY)
.NERVOUS SYSTEM
..AFFERENT NERVOUS SYSTEMS
..AUTONOMIC NERVOUS SYSTEM
...SYMPATHETIC NERVOUS SYSTEM
..CENTRAL NERVOUS SYSTEM
...BRAIN
....BRAIN STEM
....CEREBELLUM
....CEREBRAL VENTRICLES
....CEREBRUM
.....CEREBRAL CORTEX
.....OCCIPITAL LOBES
....DIENCEPHALON
.....HYPOTHALAMUS
.....PINEAL GLAND
.....THALAMUS
....HIPPOCAMPUS
...SPINAL CORD
..EFFERENT NERVOUS SYSTEMS
..NERVES
...GANGLIA
...OCULOMOTOR NERVES
..PERIPHERAL NERVOUS SYSTEM
.PERITONEUM
.PLEURAE
.RESPIRATORY SYSTEM
..BRONCHI
..DIAPHRAGM (ANATOMY)
..LARYNX
...GLOTTIS
...VOCAL CORDS
..LUNGS
...ALVEOLI
..NOSE (ANATOMY)
..PARANASAL SINUSES
..PHARYNX
..TRACHEA
.SCIATIC REGION
.SENSE ORGANS
..BARORECEPTORS
..CHEMORECEPTORS
..EAR
...EARDRUMS
...EUSTACHIAN TUBES
...LABYRINTH
....COCHLEA
.....CORTI ORGAN
....OTOLITH ORGANS
....SEMICIRCULAR CANALS
....VESTIBULES
...MIDDLE EAR
..EYE (ANATOMY)
...CHOROID MEMBRANES
...CONJUNCTIVA
...CORNEA
...OCULOMOTOR NERVES
...PUPILS
...RETINA
....FOVEA
..GRAVIRECEPTORS
...OTOLITH ORGANS
..MECHANORECEPTORS
..PHOTORECEPTORS
..PROPRIOCEPTORS
..THERMORECEPTORS
.SKIN (ANATOMY)
..EPIDERMIS
.SPLEEN
.THIGH
.THORAX
.TORSO
RT APPENDAGES
BIFURCATION (BIOLOGY)
BIODYNAMICS
% BIOLOGY
CELLS (BIOLOGY)
% DIFFERENTIATION
DIFFERENTIATION (BIOLOGY)
DORSAL SECTIONS
EPITHELIUM

```
        EXOSKELETONS
        HEPATITIS
        MORPHOLOGY
        ORGANS
        POSTERIOR SECTIONS
        TISSUES (BIOLOGY)
        VESTIBULAR NYSTAGMUS
        VISCERA

ANCHORS (FASTENERS)
  2103
  GS    FASTENERS
        #ANCHORS (FASTENERS)
  RT %  BANDS
        BOLTS
        BRACKETS
        CLIPS
        COUPLINGS
        GUY WIRES
        HOLDERS
        MOORING
        NUTS (FASTENERS)
        SCREWS
        STRAPS
        STUDS (STRUCTURAL MEMBERS)
        TETHERLINES

ANDES MOUNTAINS (SOUTH AMERICA)
  1305
  GS    LANDFORMS
        .MOUNTAINS
        .#ANDES MOUNTAINS (SOUTH AMERICA)
  RT    SOUTH AMERICA

ANDESITE
  1805 1806
  GS    ALUMINUM COMPOUNDS
        .ALUMINUM SILICATES
        .#ANDESITE
        ROCKS
        #ANDESITE
        SILICON COMPOUNDS
        .SILICATES
        ..ALUMINUM SILICATES
        ..#ANDESITE
  RT    FELDSPARS
        IGNEOUS ROCKS
        MINERALS
        SOILS

ANDORRA
  1305
  GS    NATIONS
        #ANDORRA
  RT    EUROPE
        FRANCE
        PYRENEES MOUNTAINS (EUROPE)
        SPAIN

% ANDROMEDA
  3001
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    ANDROMEDA CONSTELLATION
        ANDROMEDA GALAXY

ANDROMEDA CONSTELLATION
  3001
  GS    CONSTELLATIONS
        #ANDROMEDA CONSTELLATION
  RT %  ANDROMEDA
        ANDROMEDA GALAXY

ANDROMEDA GALAXY
  3001
  GS    CELESTIAL BODIES
        .GALAXIES
        ..SPIRAL GALAXIES
        ..#ANDROMEDA GALAXY
  RT %  ANDROMEDA
        ANDROMEDA CONSTELLATION
        LOCAL GROUP (ASTRONOMY)

ANECHOIC CHAMBERS
  1108 2301 3501
  GS    COMPARTMENTS
        .TEST CHAMBERS
        .#ANECHOIC CHAMBERS
        TEST FACILITIES
        #ANECHOIC CHAMBERS
  RT    ACOUSTIC ATTENUATION
        ACOUSTIC MEASUREMENT
        ACOUSTICS
      % CHAMBERS
        ZERO SOUND

ANELASTICITY
  1202 1704 2308 2601 3408
  GS    MECHANICAL PROPERTIES
        .ELASTIC PROPERTIES
        .#ANELASTICITY
  RT    CREEP PROPERTIES
        INTERNAL FRICTION
        MODULUS OF ELASTICITY
        STRESS RELAXATION

ANEMIAS
  0404 0405 0406
  GS    DISEASES
        #ANEMIAS
  RT    BLOOD
        BLOOD CELLS
        HEMATOCRIT RATIO
        HEMOGLOBIN
        ISCHEMIA
        OCCUPATIONAL DISEASES

ANEMOMETERS
  1203 1406 1408 3501
  GS    MEASURING INSTRUMENTS
        #ANEMOMETERS
        ..DRAG FORCE ANEMOMETERS
        ..HOT-FILM ANEMOMETERS
        ..HOT-WIRE ANEMOMETERS
        ..LASER ANEMOMETERS
        ..SONIC ANEMOMETERS
  RT    AIRCRAFT INSTRUMENTS
        FLOW MEASUREMENT
        METEOROLOGICAL INSTRUMENTS
        SPEED INDICATORS
        VELOCITY MEASUREMENT
        WIND (METEOROLOGY)
        WIND MEASUREMENT
        WIND VANES
        WIND VELOCITY
        WIND VELOCITY MEASUREMENT

ANEMOMETRY
  USE   VELOCITY MEASUREMENT

ANESTHESIA
  0405 0408
  GS   #ANESTHESIA
        .ELECTROANESTHESIA
  RT    ANALGESIA
        HYPNOSIS
        SENSORY PERCEPTION
        UNCONSCIOUSNESS

ANESTHESIOLOGY
  0404 0405
  GS    MEDICAL SCIENCE
        #ANESTHESIOLOGY
  RT    CHLOROFORM
        CLINICAL MEDICINE
        DEPRESSANTS
        DIAGNOSIS
        DRUGS
        PHARMACOLOGY

ANESTHETICS
  0405
  GS    DRUGS
        #ANESTHETICS
```

..CHLOROFORM
..CYCLOPROPANE
..METHYL CHLORIDE
..NOVOCAIN
RT ETHERS

ANGELS (RADAR)
0705
GS ECHOES
.RADAR ECHOES
.#ANGELS (RADAR)
RT GLINT
RADAR CROSS SECTIONS
RADIO ECHOES

ANGINA PECTORIS
0404 0405 0408
GS DISEASES
.HEART DISEASES
.#ANGINA PECTORIS
RT ANOXIA
ARTERIOSCLEROSIS
CORONARY ARTERY DISEASE
EMOTIONAL FACTORS
HEART FUNCTION
HEART RATE
MYOCARDIUM
PHYSICAL EXERCISE
STRESS (PHYSIOLOGY)

ANGIOGRAPHY
0403 1407
GS IMAGERY
.RADIOGRAPHY
.#ANGIOGRAPHY
RT BRAIN
CARDIOLOGY
CARDIOVASCULAR SYSTEM

ANGIOSPERMS
0409
RT GRAINS (FOOD)
NUTS (FRUITS)
PLANTS (BOTANY)
VEGETABLES

ANGLE OF ATTACK
0101 1202
GS GEOMETRY
.EUCLIDEAN GEOMETRY
..ANGLES (GEOMETRY)
..#ANGLE OF ATTACK
....ZERO ANGLE OF ATTACK
RT AERODYNAMIC CHARACTERISTICS
AERODYNAMIC STALLING
BOUNDARY LAYER SEPARATION
LIFT
SWEEP ANGLE

ANGLES (GEOMETRY)
1902 1904
GS GEOMETRY
.EUCLIDEAN GEOMETRY
.#ANGLES (GEOMETRY)
...ANGLE OF ATTACK
....ZERO ANGLE OF ATTACK
...BRAGG ANGLE
...BREWSTER ANGLE
...DIHEDRAL ANGLE
...ELEVATION ANGLE
...LOOK ANGLES (ELECTRONICS)
...LOOK ANGLES (TRACKING)
...SWEEP ANGLE
....SWEEPBACK
.....LEADING EDGE SWEEP
RT ANGULAR RESOLUTION
APSIDES
AZIMUTH
COMPLEMENTS (MATHEMATICS)
CORNERS
ELONGATION
GONIOMETERS
% GRADE
GRADIENTS
GRAZING INCIDENCE
INCIDENCE
OBLIQUENESS
PHASE SHIFT
PHOTOGONIOMETERS
PITCH (INCLINATION)
% PROFILES
PROTRACTORS
RECIPROCAL THEOREMS
SLOPES
TRIANGULATION
TRIGONOMETRY

ANGOLA
1305
GS NATIONS
#ANGOLA
RT AFRICA

ANGULAR ACCELERATION
2308 2311 3009
GS RATES (PER TIME)
.ACCELERATION (PHYSICS)
.#ANGULAR ACCELERATION
RT % ACCELERATION
CENTRIFUGAL FORCE
CENTRIPETAL FORCE
DECELERATION
ROTATION
SPIN REDUCTION
TRANSVERSE ACCELERATION
YO-YO DEVICES

ANGULAR CORRELATION
1902 2308 2311 2405 2901 3009
GS CORRELATION
#ANGULAR CORRELATION
RT DATA CORRELATION
MATTS (SYSTEMS)
VIEW EFFECTS

ANGULAR DISTRIBUTION
2405 3006
GS DISTRIBUTION (PROPERTY)
#ANGULAR DISTRIBUTION
RT ELECTRON DENSITY PROFILES
ELEMENTARY PARTICLE INTERACTIONS
FLUX DENSITY
FORCE DISTRIBUTION
MASS DISTRIBUTION
MOMENT DISTRIBUTION
NUCLEAR SCATTERING
STAR DISTRIBUTION

ANGULAR MOMENTUM
2308 2311 2401 2405 3006 3009
GS MOMENTUM
#ANGULAR MOMENTUM
RT CLASSICAL MECHANICS
CLEBSCH-GORDAN COEFFICIENTS
ELECTRON SPIN
KINETICS
MOMENTS OF INERTIA
PARTICLE SPIN
QUANTUM NUMBERS
QUANTUM THEORY
QUENCHING (ATOMIC PHYSICS)
RACAH COEFFICIENT
REGGE POLES
SPIN
SPIN TESTS
STELLAR ROTATION
WIGNER COEFFICIENT

ANGULAR MOTION
USE ANGULAR VELOCITY

ANGULAR RESOLUTION
1411 1412 1413 2306 2310 2402
GS RESOLUTION
#ANGULAR RESOLUTION

```
  RT    ACCURACY
        ANGLES (GEOMETRY)
        HIGH RESOLUTION
      % OPTICS
        RADAR RESOLUTION

ANGULAR VELOCITY
  2308 2311 3009
  UF    ANGULAR MOTION
  GS    RATES (PER TIME)
        #ANGULAR VELOCITY
        VELOCITY
        #ANGULAR VELOCITY
  RT    GYRATION
        ORBITAL VELOCITY
        REVOLVING
        ROTATION
        ROTOR SPEED
        SAGNAC EFFECT
        TACHOMETERS
        TIP SPEED

ANHYDRIDES
  0603 1704 1805
  GS    CHALCOGENIDES
        .OXIDES
        .#ANHYDRIDES
        ...PEROXIDES
        ....INORGANIC PEROXIDES
        ....ORGANIC PEROXIDES
        ....SODIUM PEROXIDES
  RT    ACIDS
        BASES (CHEMICAL)

ANIK A
  USE   ANIK 1

ANIK B
  USE   ANIK 2

ANIK C
  USE   ANIK 3

ANIK SATELLITES
  0702
  GS    ARTIFICIAL SATELLITES
        .SYNCHRONOUS SATELLITES
        .#ANIK SATELLITES
        ...ANIK 1
        ...ANIK 2
        ...ANIK 3
        CANADIAN SPACECRAFT
        #ANIK SATELLITES
        ..ANIK 1
        ..ANIK 2
        ..ANIK 3
  RT    CANADIAN SPACE PROGRAM
        DELTA LAUNCH VEHICLE
        INTERNATIONAL COOPERATION

ANIK 1
  0702 0706 3107
  UF    ANIK A
        TELESAT CANADA A
  GS    ARTIFICIAL SATELLITES
        .SYNCHRONOUS SATELLITES
        ..ANIK SATELLITES
        ..#ANIK 1
        CANADIAN SPACECRAFT
        .ANIK SATELLITES
        .#ANIK 1
  RT    CANADA
        CANADIAN SPACE PROGRAM
        DELTA LAUNCH VEHICLE
        INTERNATIONAL COOPERATION

ANIK 2
  0702 0706 3107
  UF    ANIK B
        TELESAT CANADA B
  GS    ARTIFICIAL SATELLITES
        .SYNCHRONOUS SATELLITES
        ..ANIK SATELLITES
        ..#ANIK 2
        CANADIAN SPACECRAFT
        .ANIK SATELLITES
        .#ANIK 2
  RT    CANADA
        CANADIAN SPACE PROGRAM
        DELTA LAUNCH VEHICLE
        INTERNATIONAL COOPERATION

ANIK 3
  0702 0706 3107
  UF    ANIK C
        TELESAT CANADA C
        TELESAT CANADA 3
  GS    ARTIFICIAL SATELLITES
        .SYNCHRONOUS SATELLITES
        ..ANIK SATELLITES
        ..#ANIK 3
        CANADIAN SPACECRAFT
        .ANIK SATELLITES
        .#ANIK 3
  RT    CANADA
        CANADIAN SPACE PROGRAM
        INTERNATIONAL COOPERATION

ANILINE
  0403 0603 1808
  GS    AMINES
        #ANILINE
  RT    DYES

ANIMALS
  0402 0404
  UF    FAUNA
        METAZOA
  GS   #ANIMALS
        .HOMEOTHERMS
        .INVERTEBRATES
        ..ARTHROPODS
        ...ARTEMIA
        ...CRABS
        ...INSECTS
        ....BEES
        ....BOLLWORMS
        ....CHIRONOMUS FLIES
        ....COCKROACHES
        ....COLEOPTERA
        .....BEETLES
        ......TRIBOLIA
        .....BOLL WEEVILS
        ....CRICKETS
        ....DROSOPHILA
        ....FIREFLIES
        ....GRASSHOPPERS
        ....LOCUSTS
        ....MOTHS
        .....SILKWORMS
        ...SPIDERS
        ..MOLLUSKS
        ...CEPHALOPODS
        ....OCTOPUSES
        ...SNAILS
        ..ROTIFERA
        ..SEA URCHINS
        ..WORMS
        ...FLATWORMS
        .LIVESTOCK
        .POIKILOTHERMIA
        .PROTOZOA
        ..AMOEBA
        ...PELOMYXA
        ..FLAGELLATA
        ...EUGLENA
        ...TRYPANOSOME
        ..PARAMECIA
        .VERTEBRATES
        ..AMPHIBIA
        ...FROGS
        ..BIRDS
        ...CHICKENS
        ...PIGEONS
        ...TURKEYS
```

```
      ...WATERFOWL
      ..FISHES
      ...SCHOOLS (FISH)
      ...SHARKS
      ..MAMMALS
      ...BATS
      ...BEARS
      ...CATS
      ...CATTLE
      ....CALVES
      ...DEER
      ....CARIBOUS
      ...DOGS
      ...GOATS
      ...HORSES
      ...MARINE MAMMALS
      ....DOLPHINS
      ....MANATEES
      ....PORPOISES
      ....SEALS (ANIMALS)
      ....WHALES
      ...MOLES
      ...PRIMATES
      ....APES
      .....CHIMPANZEES
      ....BABOONS
      ....HUMAN BEINGS
      ....MONKEYS
      ...RODENTS
      ....GUINEA PIGS
      ....HAMSTERS
      ....MICE
      .....JERBOAS
      .....POCKET MICE
      ....RABBITS
      ....RATS
      ....SQUIRRELS
      .....GROUND SQUIRRELS
      ...SHEEP
      ...SWINE
      ...WOLVES
      ..REPTILES
      ...LIZARDS
      ...SNAKES
      ...TURTLES
      .WILDLIFE
      .ZOOPLANKTON
RT  % BIOLOGY
      BIOMASS
      CARBON CYCLE
      CENSUS
      ENDANGERED SPECIES
      FOOD CHAIN
      GRAZING
      HABITATS
      HETEROTROPHS
      LARVAE
      MICROORGANISMS
      ORGANISMS
      PARASITES
      PLANKTON
      PLANTS (BOTANY)
      PREDATORS
      VIABILITY
      WILDLIFE RADIOLOCATION
    % ZOOLOGY

ANIMATION
  1401 1407 3501
  GS  ARTS
      .GRAPHIC ARTS
      .#ANIMATION
      ...COMPUTER ANIMATION
  RT  CINEMATOGRAPHY
      MOTION PICTURES

ANIONS
  0603 1804 2304
  GS  IONS
      .NEGATIVE IONS
      .#ANIONS
  RT  AMINO RADICAL
      ANODES
      CATIONS
      CELL ANODES
      ELECTRODE MATERIALS
      ELECTRON AFFINITY
      IONIC MOBILITY

ANISOLE
  0403 1808
  GS  ETHERS
      #ANISOLE
      ORGANIC COMPOUNDS
      .CYCLIC COMPOUNDS
      ..HETEROCYCLIC COMPOUNDS
      ..#ANISOLE

ANISOTROPIC FLUIDS
  0101 1202 1308 1703 1805 2311 2502
  GS  MEDIA
      .ANISOTROPIC MEDIA
      .#ANISOTROPIC FLUIDS
  RT  ANISOTROPY
    % FLUIDS
      INVARIANT IMBEDDINGS
      ISOTROPY
      LIQUID CRYSTALS
      NEWTONIAN FLUIDS

ANISOTROPIC MEDIA
  1202 1308 1703 1805 2311
  GS  MEDIA
      #ANISOTROPIC MEDIA
      ..ANISOTROPIC FLUIDS
  RT  ANISOTROPY
      BIREFRINGENCE
      BIREFRINGENT COATINGS
      FUNCTIONALLY GRADIENT MATERIALS
      HOMOGENEITY
      ISOTROPIC MEDIA
    % MATERIALS
      POLARIZATION (WAVES)

ANISOTROPIC PLATES
  1703 1805 2311
  UF  NONISOTROPIC PLATES
  GS  STRUCTURAL MEMBERS
      .PLATES (STRUCTURAL MEMBERS)
      .#ANISOTROPIC PLATES
  RT  CANTILEVER PLATES
      END PLATES
      PERFORATED PLATES
      REINFORCED PLATES

ANISOTROPIC SHELLS
  1703 1805 2311
  GS  SHELLS (STRUCTURAL FORMS)
      #ANISOTROPIC SHELLS
  RT  CORRUGATED SHELLS
      ELASTIC SHELLS
      REINFORCED SHELLS

ANISOTROPY
  1202 2311 3203 3408
  UF  NONISOTROPY
      ONISOTROPY
      PHOTOTHERMOTROPISM
      THERMOTROPISM
  GS #ANISOTROPY
      .PLASTIC ANISOTROPY
      ..ELASTIC ANISOTROPY
  RT  AEOLOTROPISM
      ANISOTROPIC FLUIDS
      ANISOTROPIC MEDIA
      BIREFRINGENCE
      CRYSTAL STRUCTURE
      CRYSTALS
      DIRECTIVITY
      ISOTROPY
      MECHANICAL PROPERTIES
      METALLOGRAPHY
      POLARIZATION (SPIN ALIGNMENT)
      POLARIZATION (WAVES)
      SPATIAL DISTRIBUTION
```

```
ANNA HURRICANE
  2003
  GS    STORMS
        .STORMS (METEOROLOGY)
        ..CYCLONES
        ...HURRICANES
        ...#ANNA HURRICANE
        ..TROPICAL STORMS
        ...HURRICANES
        ...#ANNA HURRICANE

ANNA SATELLITES
  1304 3107 3110
  GS    ARTIFICIAL SATELLITES
        .GEODETIC SATELLITES
        .#ANNA SATELLITES
  RT    EXPLORER 29 SATELLITE
        EXPLORER 36 SATELLITE
        GEOS 1 SATELLITE
        GEOS 2 SATELLITE
        GEOS 3 SATELLITE

ANNEALING
  1504 1704 3304
  GS    HEAT TREATMENT
        #ANNEALING
        ..LASER ANNEALING
        ..PULSE HEATING
  RT    COMBUSTION SYNTHESIS
        GRAPHITIZATION
        HARDENING (MATERIALS)
        HEATING
        NORMALIZING (HEAT TREATMENT)
        RECRYSTALLIZATION
        SIMULATED ANNEALING
        SOFTENING
        STRESS RELIEVING
        TEMPERING

ANNIHILATION REACTIONS
  2403 2405
  GS   #ANNIHILATION REACTIONS
        .POSITRON ANNIHILATION
  RT    ANTIPARTICLES
        ELECTRON-POSITRON PAIRS
        HIGH ENERGY INTERACTIONS
        MATTER-ANTIMATTER PROPULSION
        PHOTONS
        PROTON-PROTON REACTIONS

ANNOTATIONS
  3407
  RT    ABSTRACTS
        INFORMATION
        SUMMARIES

ANNUAL VARIATIONS
  1308 2003 2903 3009
  UF    SEASONAL VARIATIONS
  GS    VARIATIONS
        .PERIODIC VARIATIONS
        .#ANNUAL VARIATIONS
  RT    ATMOSPHERIC CIRCULATION
        BROWN WAVE EFFECT
        CYCLES
        GREEN WAVE EFFECT
        MAGNETIC VARIATIONS
        METEOROLOGICAL PARAMETERS
        METEOROLOGY
        MONSOONS
        SEASONS
        TEMPORAL DISTRIBUTION
        WEATHER
        WIND VARIATIONS
        ZONAL FLOW (METEOROLOGY)

ANNULAR CORE PULSE REACTORS
  2203 2204
  GS    NUCLEAR REACTORS
        #ANNULAR CORE PULSE REACTORS
  RT %  NUCLEAR ENERGY
        NUCLEAR FUEL ELEMENTS
        NUCLEAR FUELS
        REACTOR CORES
        REACTOR DESIGN
        REACTOR MATERIALS
        REACTOR PHYSICS
        REACTOR SAFETY
        REACTOR TECHNOLOGY
     % REACTORS

ANNULAR DUCTS
  1504
  GS    DUCTS
        #ANNULAR DUCTS
  RT    AIR DUCTS
        DUCT GEOMETRY
        DUCTED BODIES
        FLUID FLOW
        INTAKE SYSTEMS
        NOSE INLETS
        OPENINGS
        ORIFICES
        VENTS

ANNULAR FLOW
  1202 1203
  GS    FLUID FLOW
        .AXISYMMETRIC FLOW
        .#ANNULAR FLOW
  RT    ANNULI
        AXIAL FLOW
        CHANNEL FLOW
        COAXIAL FLOW
        COUETTE FLOW
     % FLOW
        FLOW GEOMETRY
        HEAT TRANSMISSION
        NOZZLE FLOW
        ONE DIMENSIONAL FLOW
        TURBULENT FLOW

ANNULAR NOZZLES
  1202 1504
  RT    ANNULI
        COAXIAL FLOW
        CONICAL NOZZLES
        EXHAUST NOZZLES
        INLET NOZZLES
     % NOZZLES
        PLUG NOZZLES
        ROCKET NOZZLES
        SHROUDED NOZZLES
        SPRAY NOZZLES

ANNULAR PLATES
  3202 3203
  GS    STRUCTURAL MEMBERS
        .PLATES (STRUCTURAL MEMBERS)
        .#ANNULAR PLATES
  RT    ANNULI
        CIRCULAR PLATES
        FLAT PLATES

ANNULAR SUSPENSION AND POINTING SYSTEM
  1402
  GS    FLIGHT CONTROL
        .POINTING CONTROL SYSTEMS
        .#ANNULAR SUSPENSION AND POINTING
          SYSTEM
  RT    MAGNETIC SUSPENSION
        PAYLOADS
        SPACE SHUTTLES
        SPACE TRANSPORTATION SYSTEM
        SPACELAB
        SPACELAB PAYLOADS
     % SYSTEMS

ANNULI
  1202 1504 1902
  RT    ANALYTIC GEOMETRY
        ANNULAR FLOW
        ANNULAR NOZZLES
        ANNULAR PLATES
```

```
        FLOW MEASUREMENT
      % RINGS

ANODES
  0604 0904 0905 0906 1504 2304
  GS    ELECTRODES
        #ANODES
        ..CELL ANODES
        ..SHELL ANODES
        ..TUBE ANODES
  RT    ACCUMULATORS
        ANIONS
        CATHODES
        ELECTRODE MATERIALS
        MULTI-ANODE MICROCHANNEL ARRAYS

ANODIC COATINGS
  0603 1802
  GS    COATINGS
        .INORGANIC COATINGS
        .#ANODIC COATINGS
        .PROTECTIVE COATINGS
        .#ANODIC COATINGS
  RT    ANODIZING
        CATHODIC COATINGS
        ELECTRODE MATERIALS
        OXIDES

ANODIC STRIPPING
  1802
  RT    CLADDING
        COATING
        DEBONDING (MATERIALS)
        DELAMINATING
        METAL COATINGS
        PLATING
        REMOVAL
      % STRIPPING

ANODIZING
  0603 1704 1802
  GS    COATING
        #ANODIZING
        DEPOSITION
        #ANODIZING
  RT    ANODIC COATINGS
        PASSIVITY
        PROTECTIVE COATINGS
        SURFACE TREATMENT

ANOLYTES
  0603 0604 1202
  GS    CONDUCTORS
        .ELECTROLYTES
        .#ANOLYTES
  RT    CATHOLYTES
        CELL ANODES

ANOMALIES
  1307 3408
  GS   #ANOMALIES
        .GEOTHERMAL ANOMALIES
        .GRAVITY ANOMALIES
        .MAGNETIC ANOMALIES
        ..GEOMAGNETIC HOLLOW
  RT    ANOMALOUS TEMPERATURE ZONES
        SOUTHERN OSCILLATION

ANOMALOUS TEMPERATURE ZONES
  1301 1302 1308
  RT    ANOMALIES
        GEYSERS
        STRATOSPHERIC WARMING
        TEMPERATURE MEASUREMENT
        TEMPERATURE MEASURING INSTRUMENTS
        TEMPERATURE SCALES
        TEMPERATURE SENSORS

ANORTHOSITE
  1806
  GS    ROCKS
        .IGNEOUS ROCKS
        .#ANORTHOSITE
  RT    FELDSPARS
        GABBRO
        SOILS

ANOXIA
  0401 0408
  RT    ANGINA PECTORIS
        ASPHYXIA
        HYPOXIA
        STRESS (PHYSIOLOGY)

ANS
  USE   ASTRONOMICAL NETHERLANDS SATELLITE

ANTARCTIC ENVIRONMENT
  USE   ICE ENVIRONMENTS

ANTARCTIC OCEAN
  1305 1310
  GS    OCEANS
        #ANTARCTIC OCEAN
  RT    ANTARCTIC REGIONS

ANTARCTIC REGIONS
  1305
  UF    ANTARCTICA
  GS    REGIONS
        .POLAR REGIONS
        .#ANTARCTIC REGIONS
        ...MCMURDO SOUND
        ...ROSS ICE SHELF
        .REMOTE REGIONS
        .#ANTARCTIC REGIONS
        SOUTHERN HEMISPHERE
        #ANTARCTIC REGIONS
        ..MCMURDO SOUND
        ..ROSS ICE SHELF
  RT    ANTARCTIC OCEAN
        CLIMATOLOGY
        CONTINENTS
        LAND ICE
        OZONE DEPLETION
        POLAR CAPS
        TOTAL OZONE MAPPING SPECTROMETER

ANTARCTICA
  USE   ANTARCTIC REGIONS

ANTARES ROCKET VEHICLE
  3101 3106 3108 3401
  GS    ROCKET VEHICLES
        .MULTISTAGE ROCKET VEHICLES
        .#ANTARES ROCKET VEHICLE
        .SOUNDING ROCKETS
        .#ANTARES ROCKET VEHICLE
  RT    ATMOSPHERIC IONIZATION
        SOLID PROPELLANT ROCKET ENGINES
        X-254 ENGINE

ANTELOPE MISSILE
  3101 3106 3401
  GS    MISSILES
        #ANTELOPE MISSILE

ANTENNA ARRAYS
  0701 0901
  GS    ARRAYS
        #ANTENNA ARRAYS
        ..LINEAR ARRAYS
        ...ENDFIRE ARRAYS
        ....YAGI ANTENNAS
        ..STEERABLE ANTENNAS
        ...INERTIALESS STEERABLE ANTENNAS
        ..TURNSTILE ANTENNAS
  RT    ANTENNAS
        BEAMFORMING
        COBRA DANE (RADAR)
        DIPOLE ANTENNAS
        DIRECTIONAL ANTENNAS
        LOG PERIODIC ANTENNAS
        MICROWAVE ANTENNAS
        PHASED ARRAYS
```

```
      RETROREFLECTION
      SPACE BASED RADAR
      VERY LARGE ARRAY (VLA)
      VERY LONG BASELINE ARRAY (VLBA)

ANTENNA COMPONENTS
  0701 0901
  GS  #ANTENNA COMPONENTS
      .ANTENNA COUPLERS
      ..DIPLEXERS
      ..DIRECTIONAL COUPLERS
      .ANTENNA FEEDS
      .PARASITIC ELEMENTS (ANTENNAS)
      ..DIRECTORS (ANTENNA ELEMENTS)
  RT  COMMUNICATION EQUIPMENT
    % COMPONENTS
      COUPLERS
      ELECTRONIC EQUIPMENT
    % SPINNERS

ANTENNA COUPLERS
  0901
  GS  ANTENNA COMPONENTS
      #ANTENNA COUPLERS
      ..DIPLEXERS
      ..DIRECTIONAL COUPLERS
      COUPLERS
      #ANTENNA COUPLERS
      ..DIPLEXERS
      ..DIRECTIONAL COUPLERS
  RT  ANTENNAS
      COUPLES
      COUPLING
      COUPLING CIRCUITS
      ENERGY TRANSFER
      IMPEDANCE MATCHING
      MICROWAVE COUPLING
      TRANSMISSION LINES

ANTENNA DESIGN
  0701 0901
  RT  ANTENNAS
      BACKLOBES
      CASSEGRAIN ANTENNAS
      DELTA ANTENNAS
    % DESIGN
      DIPOLE ANTENNAS
      GRAVITATIONAL WAVE ANTENNAS
      GREGORIAN ANTENNAS
      HELICAL ANTENNAS
      HORN ANTENNAS
      LENS ANTENNAS
    % LOBES
      LOG PERIODIC ANTENNAS
      MAYPOLE ANTENNAS
      MICROSTRIP ANTENNAS
      MONOPOLE ANTENNAS
      PARABOLIC ANTENNAS
      PARASITIC ELEMENTS (ANTENNAS)
      PENCIL BEAMS
      PLASMA ANTENNAS
      PRODUCT DEVELOPMENT
      RHOMBIC ANTENNAS
      SIDELOBES
      SLOT ANTENNAS
      SPACE TECHNOLOGY EXPERIMENTS
      SPIRAL ANTENNAS
      YAGI ANTENNAS

ANTENNA FEEDS
  0901
  GS  ANTENNA COMPONENTS
      #ANTENNA FEEDS
  RT  GREGORIAN ANTENNAS
      REFLECTOR ANTENNAS
      STRIP TRANSMISSION LINES
      TRANSMISSION LINES
      WAVEGUIDES

ANTENNA FIELDS
  USE ANTENNA RADIATION PATTERNS

ANTENNA RADIATION PATTERNS
  0901
  UF  ANTENNA FIELDS
  GS  DISTRIBUTION (PROPERTY)
      .RADIATION DISTRIBUTION
      .#ANTENNA RADIATION PATTERNS
      ...SIDELOBES
  RT  ANTENNAS
      BACKFIRE ANTENNAS
      BACKLOBES
      BEAMFORMING
      CYLINDRICAL ANTENNAS
      DIRECTIONAL ANTENNAS
    % FANS
      FAR FIELDS
      FIELD THEORY (PHYSICS)
      FOOTPRINTS
      FRESNEL REGION
      GREGORIAN ANTENNAS
    % LOBES
      NEAR FIELDS
      PARASITIC ELEMENTS (ANTENNAS)
      PENCIL BEAMS
      PLASMA ANTENNAS
    % RADIATION
      REFLECTOR ANTENNAS
      ROSETTE SHAPES
      SCHELKUNOFF PRINCIPLE
      SOMMERFELD APPROXIMATION
      SUPPORT INTERFERENCE
      SYNTHETIC ARRAYS

ANTENNAS
  0701 0901
  GS  #ANTENNAS
      .AIRCRAFT ANTENNAS
      .BACKFIRE ANTENNAS
      .CASSEGRAIN ANTENNAS
      .CYLINDRICAL ANTENNAS
      .DELTA ANTENNAS
      .DIRECTIONAL ANTENNAS
      ..DIPOLE ANTENNAS
      ..HELICAL ANTENNAS
      ..HORN ANTENNAS
      ..LENS ANTENNAS
      ..LOG PERIODIC ANTENNAS
      ..LOOP ANTENNAS
      ..RADAR ANTENNAS
      ...RADANT
      ..REFLECTOR ANTENNAS
      ...PARABOLIC ANTENNAS
      ...TWO REFLECTOR ANTENNAS
      ..RHOMBIC ANTENNAS
      ..SLOT ANTENNAS
      ..STEERABLE ANTENNAS
      ...INERTIALESS STEERABLE ANTENNAS
      ..YAGI ANTENNAS
      .FURLABLE ANTENNAS
      .GRAVITATIONAL WAVE ANTENNAS
      .HOOP COLUMN ANTENNAS
      .MICROSTRIP ANTENNAS
      .MISSILE ANTENNAS
      .MONOPULSE ANTENNAS
      .MULTIBEAM ANTENNAS
      .MULTIPLE BEAM INTERVAL SCANNERS
      .OMNIDIRECTIONAL ANTENNAS
      ..MONOPOLE ANTENNAS
      ...WHIP ANTENNAS
      ..TURNSTILE ANTENNAS
      .PLASMA ANTENNAS
      .RADIO ANTENNAS
      ..MICROWAVE ANTENNAS
      ...HORN ANTENNAS
      ...LENS ANTENNAS
      ...SPACETENNAS
      .SATELLITE ANTENNAS
      .SCHWARZSCHILD ANTENNAS
      .SPACECRAFT ANTENNAS
      .SPHERICAL ANTENNAS
      .SPIRAL ANTENNAS
      ..LOG SPIRAL ANTENNAS
      .WAVEGUIDE ANTENNAS
      ..HORN ANTENNAS
```

```
  RT    ANTENNA ARRAYS
        ANTENNA COUPLERS
        ANTENNA DESIGN
        ANTENNA RADIATION PATTERNS
        ARRAYS
        CONDUCTORS
        CORNERS
        CURRENT SHEETS
        ELECTROMAGNETIC RADIATION
        FOLDING STRUCTURES
        GREGORIAN ANTENNAS
        NEAR FIELDS
        RADIATION HARDENING
      % RADIATORS
        RADIO EQUIPMENT
        RADIO TELESCOPES
        REFLECTORS
        SLEWING
        SPACE TECHNOLOGY EXPERIMENTS
        TELECOMMUNICATION
        TELESCOPES
        TOWERS
        TRANSMITTERS

ANTHEUS AIRCRAFT
  USE   AN-22 AIRCRAFT

ANTHRACENE
  0403 0603 1808
  GS    ORGANIC COMPOUNDS
        .CYCLIC COMPOUNDS
        ..CYCLIC HYDROCARBONS
        ..#ANTHRACENE
        .HYDROCARBONS
        ..CYCLIC HYDROCARBONS
        ..#ANTHRACENE
  RT    ANTHRAQUINONES
        PHENANTHRENE

ANTHRACITE
  1306 1805 1806 1808
  UF    HARD COAL
  GS    RESOURCES
        .EARTH RESOURCES
        ..FOSSIL FUELS
        ...COAL
        ...#ANTHRACITE
        ROCKS
        .SEDIMENTARY ROCKS
        ..CARBONACEOUS ROCKS
        ...COAL
        ...#ANTHRACITE
  RT    MINERAL EXPLORATION
        MINING

ANTHRAQUINONES
  0403 1808 3404
  GS    KETONES
        #ANTHRAQUINONES
  RT    ANTHRACENE
        DYES

ANTHROPOLOGY
  0404 3402
  RT    ABORIGINES
        AMERICAN INDIANS
        ANTHROPOMETRY
        ARCHAEOLOGY
        ARTIFACTS
        CASE HISTORIES
        CITIES
        CULTURE (SOCIAL SCIENCES)
        ESKIMOS
        HUMAN BEINGS
        MINORITIES
        MUSEUMS
        RACE FACTORS
        RACES (ANTHROPOLOGY)
      % SCIENCE
        SOCIAL FACTORS
        SOCIOLOGY

ANTHROPOMETRY
  0404
  GS    BIOENGINEERING
        .BIOMETRICS
        ..BODY MEASUREMENT (BIOLOGY)
        ..#ANTHROPOMETRY
  RT    ANTHROPOLOGY
        BODY SIZE (BIOLOGY)
      % ENGINEERING
        HUMAN FACTORS ENGINEERING

ANTIADRENERGICS
  0403 0405
  GS    DRUGS
        #ANTIADRENERGICS
  RT    ADRENERGICS

ANTIAIRCRAFT MISSILES
  3101 3401
  GS    MISSILES
        #ANTIAIRCRAFT MISSILES
        ..BOMARC MISSILES
        ..FALCON MISSILE
        ..MAULER MISSILE
        ..NIKE-AJAX MISSILE
        ..NIKE-HERCULES MISSILE
        ..REDEYE MISSILE
        ..SIAM MISSILES
        ..SIDEWINDER MISSILES
        ..TARTAR MISSILE
        ..TERRIER MISSILE
  RT    AIR TO AIR MISSILES
        ANTIMISSILE MISSILES
        NIKE MISSILES
        RAMJET MISSILES
        SURFACE TO AIR MISSILES

ANTIBIOTICS
  0403 0405 0407 1808
  GS    DRUGS
        #ANTIBIOTICS
        ..ACTINOMYCIN
        ..PENICILLIN
        ..PLEUROTIN
        ..STREPTOMYCIN
        ..TETRACYCLINES
  RT    ANTIINFECTIVES AND ANTIBACTERIALS
        MICROORGANISMS
        STEROIDS

ANTIBODIES
  0403 0405 1808
  GS   #ANTIBODIES
        .GAMMA GLOBULIN
  RT    ACQUIRED IMMUNODEFICIENCY SYNDROME
        ANTISERUMS
        BIOCOMPATIBILITY
        HUMAN IMMUNODEFICIENCY VIRUS
        IMMUNE SYSTEMS
        IMMUNOLOGY
        INOCULUM
        PHYSIOLOGICAL DEFENSES
        VACCINES

ANTICHOLINERGICS
  0403 0405
  UF    CHOLINERGIC BLOCKING AGENTS
  GS    DRUGS
        .CHOLINERGICS
        .#ANTICHOLINERGICS
  RT    CURARE

ANTICLINES
  1306
  UF    ANTICLINORIA
  RT    DOMES (GEOLOGY)
        GEOSYNCLINES
      % LAYERS
        STRATA
        STRATIFICATION
        STRATIGRAPHY
        SYNCLINES
```

```
ANTICLINORIA
  USE  ANTICLINES

ANTICOAGULANTS
  0403 0405 1808
  RT   ADRENERGICS
     % AGENTS
       HEPARINS
       PRESERVATIVES
       STABILIZERS (AGENTS)

ANTICONVULSANTS
  0401 0405
  GS   DRUGS
       #ANTICONVULSANTS
  RT   HEXAMETHONIUM

ANTICYCLONES
  2003
  RT   AIR MASSES
       ATMOSPHERIC PRESSURE
       CYCLONES
       HIGH PRESSURE
       METEOROLOGY
       SYNOPTIC METEOROLOGY

ANTIDIURETICS
  0401 0404 0405
  GS   DRUGS
       #ANTIDIURETICS
  RT   URINE

ANTIDOTES
  0405
  GS   DRUGS
       #ANTIDOTES
  RT   INHIBITORS

ANTIEMETICS AND ANTINAUSEANTS
  0405
  GS   DRUGS
       #ANTIEMETICS AND ANTINAUSEANTS
  RT   NAUSEA

ANTIFERROELECTRICITY
  1804 2304 2305 3408
  GS   ELECTRICAL PROPERTIES
       #ANTIFERROELECTRICITY
  RT   DIELECTRIC PROPERTIES
       FERROELECTRICITY
       HYSTERESIS
     % POLARIZATION

ANTIFERROMAGNETISM
  1804 2305 2307 3408
  GS   MAGNETIC PROPERTIES
       #ANTIFERROMAGNETISM
  RT   FERROMAGNETISM
       HYSTERESIS
       ISING MODEL
       MAGNETIC SWITCHING
       MAGNONS
       NEEL TEMPERATURE
       PARAMAGNETISM

ANTIFOULING
  1702
  GS   FOULING
       #ANTIFOULING
  RT % AGENTS
       CLEANING
       CONTAMINATION
       CORROSION PREVENTION
       INHIBITORS
       STERILIZATION

ANTIFREEZES
  0603 1504
  GS   ADDITIVES
       #ANTIFREEZES
  RT   ANTIICING ADDITIVES
       FREEZING

ANTIFRICTION BEARINGS
  1501 1503
  GS   BEARINGS
       #ANTIFRICTION BEARINGS
       ..BALL BEARINGS
       ..ROLLER BEARINGS
  RT   FRICTION REDUCTION
       GAS BEARINGS
       JOURNAL BEARINGS
       NEEDLE BEARINGS
       ROLLING CONTACT LOADS
       THRUST BEARINGS

ANTIGENS
  0403 0405 0408
  RT   ANAPHYLAXIS
       BIOCOMPATIBILITY
       IMMUNE SYSTEMS
       IMMUNOASSAY
       IMMUNOLOGY
       INOCULUM
       PHYSIOLOGICAL DEFENSES
       RADIOIMMUNOASSAY
       RHESUS FACTOR
       VACCINES

ANTIGRAVITY
  1307 1309 2308
  RT   GRAVITATION
       MICROGRAVITY

ANTIGUA AND BARBUDA
  1305
  GS   LANDFORMS
       .ISLANDS
       ..WEST INDIES
       ..#ANTIGUA AND BARBUDA
       NATIONS
       #ANTIGUA AND BARBUDA
  RT   CARIBBEAN REGION

ANTIHISTAMINICS
  0403 0405 1808
  GS   DRUGS
       #ANTIHISTAMINICS
       ..DIMENHYDRINATE
       ..DIPHENYL HYDANTOIN
       ..PROMETHAZINE
  RT   DECONGESTANTS
       HISTAMINES

ANTIHYPERTENSIVE AGENTS
  0401 0405
  GS   DRUGS
       #ANTIHYPERTENSIVE AGENTS
  RT   RESERPINE

ANTIICING ADDITIVES
  0201 1504
  GS   ADDITIVES
       #ANTIICING ADDITIVES
  RT   ANTIFREEZES
       DEICERS
       DEICING
       FUEL CONTAMINATION
       ICE PREVENTION
       INHIBITORS
       PROPELLANT ADDITIVES
       RETARDANTS

ANTIINFECTIVES AND ANTIBACTERIALS
  0403 0405 0407 0412
  GS   DRUGS
       #ANTIINFECTIVES AND ANTIBACTERIALS
  RT   ANTIBIOTICS
       ANTISEPTICS
       BACTERICIDES
       CONTAMINATION
       FUNGICIDES

ANTIKNOCK ADDITIVES
  0202 0603 1101 1103 3301
```

```
  GS   ADDITIVES
       #ANTIKNOCK ADDITIVES
  RT   AUTOMOBILE FUELS
       GASOLINE
     % OCTANE
       OCTANES
       RETARDANTS

ANTIMATTER
  2311 2401 2403 3009
  GS  #ANTIMATTER
       .ANTIPARTICLES
       ..ANTINEUTRINOS
       ..ANTINUCLEONS
       ..ANTIPROTONS
       ..POSITRONS
  RT   DEGENERATE MATTER
       MATTER (PHYSICS)
       MATTER-ANTIMATTER PROPULSION
       NEGATIVE MATTER

ANTIMISSILE DEFENSE
  0202 0207 3101 3401
  SN   (PROTECTION AGAINST MISSILE ATTACK)
  GS   AIR DEFENSE
       #ANTIMISSILE DEFENSE
  RT   ANTIRADIATION MISSILES
       CIVIL DEFENSE
     % DEFENSE
       DEFENSE INDUSTRY
       DEFENSE PROGRAM
       MILITARY TECHNOLOGY
       MISSILE DEFENSE
       MISSILES
       OPTICAL COUNTERMEASURES
       SAFEGUARD SYSTEM
       SENTINEL SYSTEM
       SPACE SURVEILLANCE (GROUND BASED)
       SPACE SURVEILLANCE (SPACEBORNE)

ANTIMISSILE MISSILES
  3101 3401
  GS   MISSILES
       #ANTIMISSILE MISSILES
       ..MAULER MISSILE
       ..NIKE-ZEUS MISSILE
       ..SPARTAN MISSILE
       ..SPRINT MISSILE
  RT   ANTIAIRCRAFT MISSILES
       BALLISTIC MISSILES
       INFRARED TRACKING
       MISSILE DEFENSE
       NIKE MISSILES
       NIKE X SYSTEMS
       SENTINEL SYSTEM
       SIAM MISSILES
       SPACE WEAPONS
       SURFACE TO AIR MISSILES

ANTIMISTING FUELS
  2701
  GS   FUELS
       .CHEMICAL FUELS
       ..LIQUID FUELS
       ..#ANTIMISTING FUELS
  RT   ADDITIVES
       AIRCRAFT FUELS
       FLAME RETARDANTS
       JET ENGINE FUELS
       KEROSENE

ANTIMONIDES
  0603 1804
  GS   ANTIMONY COMPOUNDS
       #ANTIMONIDES
       ..ALUMINUM ANTIMONIDES
       ..CADMIUM ANTIMONIDES
       ..CESIUM ANTIMONIDES
       ..GALLIUM ANTIMONIDES
       ..GERMANIUM ANTIMONIDES
       ..INDIUM ANTIMONIDES
       ..ZINC ANTIMONIDES

ANTIMONY
  0603 1703
  GS   CHEMICAL ELEMENTS
       .METALLOIDS
       .#ANTIMONY
  RT   METALS

ANTIMONY ALLOYS
  1701
  GS   ALLOYS
       #ANTIMONY ALLOYS
       ..BABBITT METAL
  RT   BISMUTH ALLOYS
       MULBERRY (ALLOY)

ANTIMONY COMPOUNDS
  0603 1804
  GS  #ANTIMONY COMPOUNDS
       .ANTIMONIDES
       ..ALUMINUM ANTIMONIDES
       ..CADMIUM ANTIMONIDES
       ..CESIUM ANTIMONIDES
       ..GALLIUM ANTIMONIDES
       ..GERMANIUM ANTIMONIDES
       ..INDIUM ANTIMONIDES
       ..ZINC ANTIMONIDES
       .ANTIMONY FLUORIDES
  RT % CHEMICAL COMPOUNDS
     % GROUP 5A COMPOUNDS
     % METAL COMPOUNDS

ANTIMONY FLUORIDES
  0603 1804
  GS   ANTIMONY COMPOUNDS
       #ANTIMONY FLUORIDES
       HALOGEN COMPOUNDS
       .FLUORINE COMPOUNDS
       ..FLUORIDES
       ..#ANTIMONY FLUORIDES
       .HALIDES
       ..FLUORIDES
       ..#ANTIMONY FLUORIDES

ANTIMONY ISOTOPES
  0603 1703 2406
  GS   CHEMICAL ELEMENTS
       .METALLOIDS
       .#ANTIMONY ISOTOPES
       .NUCLIDES
       ..ISOTOPES
       ..#ANTIMONY ISOTOPES
       METALS
       #ANTIMONY ISOTOPES

ANTINEUTRINOS
  2401 2403 2405
  GS   ANTIMATTER
       .ANTIPARTICLES
       .#ANTINEUTRINOS
       PARTICLES
       .ELEMENTARY PARTICLES
       ..ANTIPARTICLES
       ..#ANTINEUTRINOS
       ..FERMIONS
       ...LEPTONS
       ...#ANTINEUTRINOS
       .NUCLEAR PARTICLES
       ..ANTIPARTICLES
       ..#ANTINEUTRINOS
  RT   CHARGED PARTICLES
       NEUTRINOS

ANTINODES
  0710 1904 2311 3006 3009
  RT   NODES (STANDING WAVES)
       RAREFACTION
       RESONANT FREQUENCIES
       STANDING WAVES
       VIBRATION
       WAVELENGTHS

ANTINUCLEONS
```

2403 2404
GS ANTIMATTER
.ANTIPARTICLES
.#ANTINUCLEONS
PARTICLES
.ELEMENTARY PARTICLES
..ANTIPARTICLES
..#ANTINUCLEONS
.NUCLEAR PARTICLES
..ANTIPARTICLES
..#ANTINUCLEONS
RT NUCLEONS

ANTIOXIDANTS
0403 0603 1808
GS ADDITIVES
#ANTIOXIDANTS
RT % AGENTS
CORROSION PREVENTION
CORROSION RESISTANCE
INHIBITORS
PRESERVATIVES
PROPELLANT ADDITIVES
RETARDANTS
STABILIZERS (AGENTS)

ANTIPARTICLES
2401 2403 2405
GS ANTIMATTER
#ANTIPARTICLES
..ANTINEUTRINOS
..ANTINUCLEONS
..ANTIPROTONS
..POSITRONS
PARTICLES
.ELEMENTARY PARTICLES
.#ANTIPARTICLES
...ANTINEUTRINOS
...ANTINUCLEONS
...ANTIPROTONS
...POSITRONS
.NUCLEAR PARTICLES
.#ANTIPARTICLES
...ANTINEUTRINOS
...ANTINUCLEONS
...ANTIPROTONS
...POSITRONS
RT ANNIHILATION REACTIONS
CHARGED PARTICLES
HYPERONS
POMERANCHUK THEOREM
POSITRON ANNIHILATION

ANTIPODES
1304 1307 1308
RT APSIDES
IONOSPHERIC PROPAGATION
PROPAGATION MODES
RADIO TRANSMISSION
ZENITH

ANTIPROTONS
2401 2403 2405
GS ANTIMATTER
.ANTIPARTICLES
.#ANTIPROTONS
PARTICLES
.CHARGED PARTICLES
.#ANTIPROTONS
.ELEMENTARY PARTICLES
..ANTIPARTICLES
..#ANTIPROTONS
.NUCLEAR PARTICLES
..ANTIPARTICLES
..#ANTIPROTONS
RT PROTONS

ANTIQUITIES
3403
RT ARTIFACTS
TOOLS
WEAPONS

ANTIRADAR COATINGS
1802 3401
GS ABSORBERS (MATERIALS)
.RADAR ABSORBERS
.#ANTIRADAR COATINGS
COATINGS
#ANTIRADAR COATINGS
COUNTERMEASURES
.ELECTRONIC COUNTERMEASURES
.#ANTIRADAR COATINGS
RT ELECTRONIC WARFARE
INORGANIC COATINGS
METAL COATINGS
PLASTIC COATINGS
% RAM

ANTIRADIATION DRUGS
0405 0409
UF RADIOPROTECTIVE AGENTS
GS DRUGS
#ANTIRADIATION DRUGS
..CYSTEAMINE
RT NUCLEAR MEDICINE
PHARMACOLOGY
RADIATION PROTECTION
RADIATION SICKNESS
RADIOBIOLOGY
RADIOPATHOLOGY

ANTIRADIATION MISSILES
3301
GS MISSILES
#ANTIRADIATION MISSILES
RT AIR DEFENSE
ANTIMISSILE DEFENSE
COUNTERMEASURES
DIGITAL RADAR SYSTEMS
MILITARY TECHNOLOGY
MISSILE DEFENSE
REMOTE CONTROL

ANTIREFLECTION COATINGS
1505 1802
GS COATINGS
#ANTIREFLECTION COATINGS
RT LENS DESIGN
OPTICAL REFLECTION
OPTICAL THICKNESS
SOLAR CELLS

ANTISEPTICS
0401 0405
UF DISINFECTANTS
RT ACRIFLAVINE
ANTIINFECTIVES AND ANTIBACTERIALS
BACTERICIDES
CHEMICAL STERILIZATION
CHEMOTHERAPY
CLEANING
DECONTAMINATION
ENVIRONMENTAL CONTROL
FUMIGATION
INFECTIOUS DISEASES
PURIFICATION
STERILIZATION

ANTISERUMS
0404 0405 0412
RT ANTIBODIES
IMMUNOLOGY
SERUMS
VACCINES

ANTISHIP MISSILES
3401
GS MISSILES
#ANTISHIP MISSILES
RT CRUISE MISSILES
SEA LAUNCHING
SHIPS
SUBMARINES
WEAPON SYSTEMS

```
ANTISHIP WARFARE
  3401
  GS    WARFARE
        #ANTISHIP WARFARE
  RT    MISSILES
        SEA LAUNCHING
        SHIPS
        SUBMARINES
        WARHEADS
        WEAPONS

ANTISKID DEVICES
  0203
  RT    AIRCRAFT BRAKES
        ARRESTING GEAR
        AUTOMOBILES
        BRAKES (FOR ARRESTING MOTION)
      % DEVICES
        LANDING AIDS
        SAFETY DEVICES
        TRUCKS
        WHEEL BRAKES

ANTISTATIC DEVICES
  USE   STATIC DISCHARGERS

ANTISUBMARINE WARFARE
  3302 3401
  GS    WARFARE
        #ANTISUBMARINE WARFARE
  RT    ASROC ENGINE
        MILITARY TECHNOLOGY
        SONOBUOYS
        SUBMARINES
        TORPEDOES
        UNDERWATER EXPLOSIONS
        UNDERWATER TRAJECTORIES

ANTISUBMARINE WARFARE AIRCRAFT
  0207 3401
  GS   #ANTISUBMARINE WARFARE AIRCRAFT
        .BREGUET 1150 AIRCRAFT
        .CL-84 AIRCRAFT
        .P-3 AIRCRAFT
        .S-3 AIRCRAFT
        .SH-3 HELICOPTER
        .SH-4 HELICOPTER
  RT %  AIRCRAFT
        ATTACK AIRCRAFT
        BOMBER AIRCRAFT
        DRONE AIRCRAFT
        H-25 HELICOPTER
      % MILITARY AIRCRAFT
        OBSERVATION AIRCRAFT
        P-531 HELICOPTER
        RECONNAISSANCE AIRCRAFT
        S-61 HELICOPTER
        SUBMERSIBLE AIRCRAFT
        V/STOL AIRCRAFT
        WATER TAKEOFF AND LANDING AIRCRAFT

ANTISYMMETRY
  1902 2311 3203
  RT    ASYMMETRY
        SYMMETRY

ANTITANK MISSILES
  3101 3401
  GS    MISSILES
        .SURFACE TO SURFACE MISSILES
        .#ANTITANK MISSILES
        ...SHILLELAGH MISSILES
        ...TOW MISSILES

ANTONOV AIRCRAFT
  0201 0204
  GS   #ANTONOV AIRCRAFT
        .AN-2 AIRCRAFT
        .AN-22 AIRCRAFT
        .AN-24 AIRCRAFT
  RT %  AIRCRAFT

ANTONOV AN-22 AIRCRAFT
  USE   AN-22 AIRCRAFT

ANTONOV AN-24 AIRCRAFT
  USE   AN-24 AIRCRAFT

ANVIL CLOUDS
  1301 1308 2003
  GS    CLOUDS (METEOROLOGY)
        .CONVECTION CLOUDS
        ..CUMULONIMBUS CLOUDS
        ..#ANVIL CLOUDS
        ..CUMULUS CLOUDS
        ..#ANVIL CLOUDS
  RT    ATMOSPHERIC MOISTURE
        CLIMATOLOGY
        CLOUD COVER
        FOG
        METEOROLOGY
        NEPHANALYSIS
        PRECIPITATION (METEOROLOGY)
        THUNDERSTORMS
        WEATHER

ANVILS
  1704 2003
  RT    COMPRESSING
        TOOLS

ANXIETY
  0408 0410
  RT    DETACHMENT
        FEAR
        PHOBIAS
        TAYLOR MANIFEST ANXIETY SCALE

AO-1 AIRCRAFT
  USE   OV-1 AIRCRAFT

AOIPS
  USE   ATMOSPHERIC & OCEANOGRAPHIC INFORM
        SYS

AORTA
  0404
  GS    ANATOMY
        .CIRCULATORY SYSTEM
        ..CARDIOVASCULAR SYSTEM
        ...BLOOD VESSELS
        ....ARTERIES
        ....#AORTA
  RT    HEART

AOSO
  3001 3009 3107 3110 3409
  UF    ADVANCED ORBITING SOLAR OBSERVATORY
  GS    OBSERVATORIES
        .ASTRONOMICAL OBSERVATORIES
        ..ASTRONOMICAL SATELLITES
        ...OSO
        ...#AOSO
        .SOLAR OBSERVATORIES
        ..OSO
        ..#AOSO
  RT    SUN

APACHE ROCKET VEHICLE
  3106 3108
  GS    ROCKET VEHICLES
        .SOUNDING ROCKETS
        .#APACHE ROCKET VEHICLE
  RT    SONDES

APATITES
  USE   CALCIUM PHOSPHATES
        MINERALS

APERIODIC FUNCTIONS
  1902 1903
  GS    ANALYSIS (MATHEMATICS)
        #APERIODIC FUNCTIONS
        FUNCTIONS (MATHEMATICS)
```

```
        #APERIODIC FUNCTIONS
  RT    COMPLEX VARIABLES
        REAL VARIABLES

APERTURES
  0901 1407 1412 2310
  GS    OPENINGS
        #APERTURES
        ..IRISES (MECHANICAL APERTURES)
        ..SYNTHETIC APERTURES
  RT    BOUNDARY ELEMENT METHOD
        CAVITIES
        DOORS
        GATES (OPENINGS)
        INFRARED WINDOWS
        LOUVERS
        ORIFICES
        OUTLETS
        PINHOLE CAMERAS
        PORTS (OPENINGS)
        SLITS
        SYNTHETIC ARRAYS
        VENTS
        VSAT (NETWORK)
        WINDOWS (APERTURES)

APES
  0402
  GS    ANIMALS
        .VERTEBRATES
        ..MAMMALS
        ...PRIMATES
        ...#APES
        .....CHIMPANZEES

APEXES
  1904 3006 3009
  UF    VERTICES
  RT    ALTITUDE
        APHELIONS
        APOGEES
        MAXIMA
        ORBITS
      % PEAKS
        PLATEAUS
        TRAJECTORIES
        ZENITH

APHELIONS
  1901 1904 3006 3009
  GS    APSIDES
        #APHELIONS
  RT    APEXES
        ELLIPTICAL ORBITS
        ORBITS
        PERIHELIONS
        SOLAR ORBITS

APL (PROGRAMMING LANGUAGE)
  0408
  GS    LANGUAGES
        .PROGRAMMING LANGUAGES
        .#APL (PROGRAMMING LANGUAGE)
  RT    COMPUTER PROGRAMMING

APNEA
  USE   RESPIRATION

APOGEE BOOST MOTORS
  2702 2807 2808 2809
  UF    ABM
  GS    ENGINES
        .ROCKET ENGINES
        ..BOOSTER ROCKET ENGINES
        ..#APOGEE BOOST MOTORS
        ..SOLID PROPELLANT ROCKET ENGINES
        ..#APOGEE BOOST MOTORS
  RT %  BOOSTERS
        MOTORS

APOGEES
  1904 3006 3009
  GS    APSIDES
        #APOGEES
  RT    APEXES
        EARTH ORBITS
        ELLIPTICAL ORBITS
        ORBITS
        PERIGEES

APOLLO APPLICATIONS PROGRAM
  3409 3009
  GS    PROGRAMS
        .NASA PROGRAMS
        ..NASA SPACE PROGRAMS
        ..#APOLLO APPLICATIONS PROGRAM
        .SPACE PROGRAMS
        ..NASA SPACE PROGRAMS
        ..#APOLLO APPLICATIONS PROGRAM
  RT    AAP 1 MISSION
        AAP 2 MISSION
        AAP 3 MISSION
        AAP 4 MISSION
        AIRLOCK MODULES
        EARTH RESOURCES PROGRAM
        EARTH RESOURCES SURVEY PROGRAM
        SATURN PROJECT
        SATURN WORKSHOPS
        SATURN 1 WORKSHOP
        SATURN 5 WORKSHOP
        SKYLAB PROGRAM

APOLLO ASTEROIDS
  3009
  GS    CELESTIAL BODIES
        .ASTEROID BELTS
        ..ASTEROIDS
        ..#APOLLO ASTEROIDS
  RT    ASTRONOMY
        CHIRON
        EARTH ORBITS
        JUPITER (PLANET)
        MARS (PLANET)
        PLANETARY ORBITS
        SOLAR SYSTEM

APOLLO EXTENSION SYSTEM
  3409
  RT    EXOBIOLOGY
        EXTRAVEHICULAR ACTIVITY
        LUNAR LANDING MODULES
        MANNED SPACE FLIGHT
        NASA PROGRAMS
        ORBITAL WORKSHOPS
      % SYSTEMS

APOLLO FLIGHTS
  3004 3104
  GS    SPACE FLIGHT
        .MANNED SPACE FLIGHT
        .#APOLLO FLIGHTS
        ...APOLLO 5 FLIGHT
        ...APOLLO 6 FLIGHT
        ...APOLLO 7 FLIGHT
        ...APOLLO 8 FLIGHT
        ...APOLLO 9 FLIGHT
        ...APOLLO 10 FLIGHT
        ...APOLLO 11 FLIGHT
        ...APOLLO 12 FLIGHT
        ...APOLLO 13 FLIGHT
        ...APOLLO 14 FLIGHT
        ...APOLLO 15 FLIGHT
        ...APOLLO 16 FLIGHT
        ...APOLLO 17 FLIGHT
  RT    SKYLAB PROGRAM

APOLLO LUNAR EXPERIMENT MODULE
  3004 3404
  GS    LUNAR SPACECRAFT
        .APOLLO SPACECRAFT
        .#APOLLO LUNAR EXPERIMENT MODULE
        .LUNAR LANDING MODULES
        ..LUNAR MODULE
        ..#APOLLO LUNAR EXPERIMENT MODULE
        MANEUVERABLE SPACECRAFT
```

```
        .APOLLO SPACECRAFT
        .#APOLLO LUNAR EXPERIMENT MODULE
        MANNED SPACECRAFT
        .APOLLO SPACECRAFT
        .#APOLLO LUNAR EXPERIMENT MODULE
        .LUNAR MODULE
        .#APOLLO LUNAR EXPERIMENT MODULE
        REENTRY VEHICLES
        .RECOVERABLE SPACECRAFT
        ..APOLLO SPACECRAFT
        ..#APOLLO LUNAR EXPERIMENT MODULE
        SOFT LANDING SPACECRAFT
        .APOLLO SPACECRAFT
        .#APOLLO LUNAR EXPERIMENT MODULE
        .LANDING MODULES
        ..LUNAR LANDING MODULES
        ...LUNAR MODULE
        ...#APOLLO LUNAR EXPERIMENT MODULE
  RT    LUNAR EXPLORATION
        LUNAR LANDING

APOLLO  LUNAR SURFACE EXPERIMENTS PACKAGE
  3004
  UF    ALSEP
  GS    PACKAGES
        .INSTRUMENT PACKAGES
        .#APOLLO LUNAR SURFACE EXPERIMENTS
          PACKAGE
  RT %  INSTRUMENTS
        LUNAR EXPLORATION
        LUNAR RETROREFLECTORS
        PAYLOADS
     %  SURFACES

APOLLO  PROJECT
  3004  3104 3409
  GS    PROGRAMS
        .LUNAR PROGRAMS
        .#APOLLO PROJECT
        .NASA PROGRAMS
        ..NASA SPACE PROGRAMS
        ..#APOLLO PROJECT
        .PROJECTS
        .#APOLLO PROJECT
        .SPACE PROGRAMS
        ..NASA SPACE PROGRAMS
        ..#APOLLO PROJECT
  RT    AAP 1 MISSION
        AAP 2 MISSION
        AAP 3 MISSION
        AAP 4 MISSION
        ADVANCED RANGE INSTRUMENTATION
        AIRCRAFT
        COMMAND SERVICE MODULES
        LSSM
        LUNAR EXPLORATION
        LUNAR EXPLORATION SYSTEM FOR APOLLO
        LUNAR MOBILE LABORATORIES
        LUNAR PROBES
        MANNED SPACECRAFT
        MARQUARDT R4D ENGINE
        MERCURY PROJECT
        SATURN LAUNCH VEHICLES
        SATURN WORKSHOPS
        SATURN 1 WORKSHOP
        SATURN 5 WORKSHOP
        SIM
        SITE DATA PROCESSORS
        SKYLAB PROGRAM
        SOFT LANDING SPACECRAFT

APOLLO  SHORT STACK
  3009  3110
  RT    SPACECRAFT CONFIGURATIONS

APOLLO  SOYUZ TEST PROJECT
  3004  3006 3009 3104 3110 3406 3409
  UF    ASTP
  GS    PROGRAMS
        .PROJECTS
        .#APOLLO SOYUZ TEST PROJECT
  RT    INTERNATIONAL COOPERATION
        INTERNATIONAL RELATIONS
        MANNED SPACECRAFT
        RENDEZVOUS
        SOYUZ SPACECRAFT
        SPACE FLIGHT
        SPACE MISSIONS
        SPACE PROGRAMS
        SPACE RENDEZVOUS
        SPACECREW TRANSFER
        U.S.S.R. SPACE PROGRAM

APOLLO  SPACECRAFT
  3004  3104 3110
  GS    LUNAR SPACECRAFT
        #APOLLO SPACECRAFT
        ..APOLLO LUNAR EXPERIMENT MODULE
        MANEUVERABLE SPACECRAFT
        #APOLLO SPACECRAFT
        ..APOLLO LUNAR EXPERIMENT MODULE
        MANNED SPACECRAFT
        #APOLLO SPACECRAFT
        ..APOLLO LUNAR EXPERIMENT MODULE
        REENTRY VEHICLES
        .RECOVERABLE SPACECRAFT
        .#APOLLO SPACECRAFT
        ...APOLLO LUNAR EXPERIMENT MODULE
        SOFT LANDING SPACECRAFT
        #APOLLO SPACECRAFT
        ..APOLLO LUNAR EXPERIMENT MODULE
  RT    COMMAND MODULES
        LANDING MODULES
        LUNAR MODULE
        LUNAR MODULE 5
        LUNAR MODULE 7
        MANNED ORBITAL LABORATORIES
        SATURN PROJECT
        SERVICE MODULES
        SKYLAB PROGRAM
        UNIFIED S BAND

APOLLO  TELESCOPE MOUNT
  3001  3110
  GS    SPACECRAFT CONFIGURATIONS
        #APOLLO TELESCOPE MOUNT
        TELESCOPES
        .MANNED ORBITAL TELESCOPES
        .#APOLLO TELESCOPE MOUNT
  RT    SKYLAB PROGRAM

APOLLO  5 FLIGHT
  3004  3104
  GS    SPACE FLIGHT
        .MANNED SPACE FLIGHT
        ..APOLLO FLIGHTS
        ..#APOLLO 5 FLIGHT
  RT    EARTH-MOON TRAJECTORIES
        LUNAR EXPLORATION
        LUNAR EXPLORATION SYSTEM FOR APOLLO
        LUNAR FLIGHT
        LUNAR LANDING
        LUNAR LAUNCH
        LUNAR MODULE
        LUNAR SPACECRAFT
        MOON-EARTH TRAJECTORIES

APOLLO  6 FLIGHT
  3004  3104
  GS    SPACE FLIGHT
        .MANNED SPACE FLIGHT
        ..APOLLO FLIGHTS
        ..#APOLLO 6 FLIGHT
  RT    EARTH-MOON TRAJECTORIES
        LUNAR EXPLORATION
        LUNAR EXPLORATION SYSTEM FOR APOLLO
        LUNAR FLIGHT
        LUNAR LANDING
        LUNAR LAUNCH
        LUNAR MODULE
        LUNAR SPACECRAFT
        MOON-EARTH TRAJECTORIES

APOLLO  7 FLIGHT
  3004  3104
```

```
  GS    SPACE FLIGHT
        .MANNED SPACE FLIGHT
        ..APOLLO FLIGHTS
        ..#APOLLO 7 FLIGHT
  RT    EARTH-MOON TRAJECTORIES
        LUNAR EXPLORATION
        LUNAR EXPLORATION SYSTEM FOR APOLLO
        LUNAR FLIGHT
        LUNAR LANDING
        LUNAR LAUNCH
        LUNAR MODULE
        MANNED SPACECRAFT
        MOON-EARTH TRAJECTORIES

APOLLO 8 FLIGHT
  3004 3104
  GS    SPACE FLIGHT
        .MANNED SPACE FLIGHT
        ..APOLLO FLIGHTS
        ..#APOLLO 8 FLIGHT
  RT    EARTH-MOON TRAJECTORIES
        LUNAR EXPLORATION
        LUNAR EXPLORATION SYSTEM FOR APOLLO
        LUNAR FLIGHT
        LUNAR LANDING
        LUNAR LAUNCH
        LUNAR MODULE
        MANNED SPACECRAFT
        MOON-EARTH TRAJECTORIES

APOLLO 9 FLIGHT
  3004 3104
  GS    SPACE FLIGHT
        .MANNED SPACE FLIGHT
        ..APOLLO FLIGHTS
        ..#APOLLO 9 FLIGHT
  RT    EARTH-MOON TRAJECTORIES
        LUNAR EXPLORATION
        LUNAR EXPLORATION SYSTEM FOR APOLLO
        LUNAR FLIGHT
        LUNAR LANDING
        LUNAR LAUNCH
        LUNAR MODULE

APOLLO 10 FLIGHT
  3004 3104
  GS    SPACE FLIGHT
        .MANNED SPACE FLIGHT
        ..APOLLO FLIGHTS
        ..#APOLLO 10 FLIGHT
  RT    EARTH-MOON TRAJECTORIES
        LUNAR EXPLORATION
        LUNAR EXPLORATION SYSTEM FOR APOLLO
        LUNAR FLIGHT
        LUNAR LANDING
        LUNAR LAUNCH
        LUNAR MODULE
        MANNED SPACECRAFT
        MOON-EARTH TRAJECTORIES

APOLLO 11 FLIGHT
  3004 3104
  GS    SPACE FLIGHT
        .MANNED SPACE FLIGHT
        ..APOLLO FLIGHTS
        ..#APOLLO 11 FLIGHT
  RT    EARTH-MOON TRAJECTORIES
        LUNAR EXPLORATION
        LUNAR EXPLORATION SYSTEM FOR APOLLO
        LUNAR FLIGHT
        LUNAR LANDING
        LUNAR LAUNCH
        LUNAR MODULE
        MANNED SPACECRAFT
        MOON-EARTH TRAJECTORIES

APOLLO 12 FLIGHT
  3004 3104
  GS    SPACE FLIGHT
        .MANNED SPACE FLIGHT
        ..APOLLO FLIGHTS
        ..#APOLLO 12 FLIGHT
  RT    EARTH-MOON TRAJECTORIES
        LUNAR EXPLORATION
        LUNAR EXPLORATION SYSTEM FOR APOLLO
        LUNAR FLIGHT
        LUNAR LANDING
        LUNAR LAUNCH
        LUNAR MODULE
        MANNED SPACECRAFT
        MOON-EARTH TRAJECTORIES

APOLLO 13 FLIGHT
  3004 3104
  GS    SPACE FLIGHT
        .MANNED SPACE FLIGHT
        ..APOLLO FLIGHTS
        ..#APOLLO 13 FLIGHT
  RT    EARTH-MOON TRAJECTORIES
        LUNAR EXPLORATION
        LUNAR EXPLORATION SYSTEM FOR APOLLO
        LUNAR FLIGHT
        LUNAR LANDING
        LUNAR LAUNCH
        LUNAR MODULE
        MANNED SPACECRAFT
        MOON-EARTH TRAJECTORIES

APOLLO 14 FLIGHT
  3004 3104
  GS    SPACE FLIGHT
        .MANNED SPACE FLIGHT
        ..APOLLO FLIGHTS
        ..#APOLLO 14 FLIGHT
  RT    EARTH-MOON TRAJECTORIES
        LUNAR EXPLORATION
        LUNAR EXPLORATION SYSTEM FOR APOLLO
        LUNAR FLIGHT
        LUNAR LANDING
        LUNAR LAUNCH
        LUNAR MODULE
        MANNED SPACECRAFT
        MOON-EARTH TRAJECTORIES

APOLLO 15 FLIGHT
  3004 3104
  GS    SPACE FLIGHT
        .MANNED SPACE FLIGHT
        ..APOLLO FLIGHTS
        ..#APOLLO 15 FLIGHT
  RT    EARTH-MOON TRAJECTORIES
        LUNAR EXPLORATION
        LUNAR EXPLORATION SYSTEM FOR APOLLO
        LUNAR FLIGHT
        LUNAR LANDING
        LUNAR LAUNCH
        LUNAR MODULE
        MANNED SPACECRAFT
        MOON-EARTH TRAJECTORIES
        SIM

APOLLO 16 FLIGHT
  3004 3104
  GS    SPACE FLIGHT
        .MANNED SPACE FLIGHT
        ..APOLLO FLIGHTS
        ..#APOLLO 16 FLIGHT
  RT    EARTH-MOON TRAJECTORIES
        LUNAR EXPLORATION
        LUNAR EXPLORATION SYSTEM FOR APOLLO
        LUNAR FLIGHT
        LUNAR LANDING
        LUNAR LAUNCH
        LUNAR MODULE
        MANNED SPACECRAFT
        MOON-EARTH TRAJECTORIES

APOLLO 17 FLIGHT
  3004 3104
  GS    SPACE FLIGHT
        .MANNED SPACE FLIGHT
        ..APOLLO FLIGHTS
        ..#APOLLO 17 FLIGHT
  RT    EARTH-MOON TRAJECTORIES
        LUNAR EXPLORATION
```

LUNAR EXPLORATION SYSTEM FOR APOLLO
LUNAR FLIGHT
LUNAR LANDING
LUNAR LAUNCH
LUNAR MODULE
MANNED SPACECRAFT
MOON-EARTH TRAJECTORIES

APPALACHIAN MOUNTAINS (NORTH AMERICA)
1305
GS LANDFORMS
.MOUNTAINS
.#APPALACHIAN MOUNTAINS (NORTH AMERICA)
RT NORTH AMERICA

APPARATUS
USE EQUIPMENT

APPEARANCE
3408
RT IMAGERY
QUALITY
VISIBILITY

APPENDAGES
0402 0404 0409
GS #APPENDAGES
.ARM (ANATOMY)
..ELBOW (ANATOMY)
..FOREARM
.HAND (ANATOMY)
..FINGERS
.LEG (ANATOMY)
..FEET (ANATOMY)
..KNEE (ANATOMY)
RT ANATOMY
HUMAN BODY
LIMBS (ANATOMY)

APPENDIX (ANATOMY)
0402 0404
GS ANATOMY
.DIGESTIVE SYSTEM
..GASTROINTESTINAL SYSTEM
..#APPENDIX (ANATOMY)
RT INTESTINES

APPLICATION
USE UTILIZATION

APPLICATION SPECIFIC INTEGRATED CIRCUITS
UF ASIC
CUSTOM INTEGRATED CIRCUITS
GS CIRCUITS
.INTEGRATED CIRCUITS
.#APPLICATION SPECIFIC INTEGRATED CIRCUITS
RT CHIPS (ELECTRONICS)
LARGE SCALE INTEGRATION
VERY LARGE SCALE INTEGRATION

APPLICATIONS EXPLORER SATELLITES
3107 3409
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#APPLICATIONS EXPLORER SATELLITES
RT HEAT CAPACITY MAPPING MISSION

% APPLICATIONS OF MATHEMATICS
1902 1903 1904
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
UF MATHEMATICAL ANALYSIS
RT ANALYSIS (MATHEMATICS)
APPROXIMATION
COMBINATORIAL ANALYSIS
COMPUTATION
DIMENSIONAL ANALYSIS
DYNAMIC PROGRAMMING
ECONOMETRICS
ERROR ANALYSIS
FINITE ELEMENT METHOD
FRACTALS
FUNCTIONS (MATHEMATICS)
INFORMATION THEORY
KALMAN-SCHMIDT FILTERING
LINEAR PROGRAMMING
MATHEMATICAL MODELS
NONLINEAR PROGRAMMING
NUMERICAL ANALYSIS
OPERATIONAL CALCULUS
OPERATIONS RESEARCH
OPTIMIZATION
PARAMETERIZATION
PROBABILITY THEORY
STATISTICAL ANALYSIS
STOCHASTIC PROCESSES
TIME SERIES ANALYSIS

APPLICATIONS PROGRAMS (COMPUTERS)
0802
GS COMPUTER PROGRAMS
#APPLICATIONS PROGRAMS (COMPUTERS)
..NASTRAN
RT COMPUTERS

APPLICATIONS TECHNOLOGY SATELLITES
USE ATS

APPROACH
0201 2102
GS #APPROACH
.AIRBORNE RADAR APPROACH
.DELAYED FLAP APPROACH
.INSTRUMENT APPROACH
RT AIR TRAFFIC CONTROL
AIRCRAFT APPROACH SPACING
ARRIVALS
DESCENT
FLIGHT PATHS
FLIGHT PLANS
GROUND BASED CONTROL
GUIDANCE (MOTION)
LANDING
LANDING AIDS
PASSAGEWAYS
TOUCHDOWN

APPROACH AND LANDING TESTS (STS)
3107
RT EVALUATION
HORIZONTAL SPACECRAFT LANDING
LANDING
MANNED SPACECRAFT
PROVING
SPACE SHUTTLES
SPACE TRANSPORTATION SYSTEM
SPACECRAFT LANDING
% TESTS
TOUCHDOWN

APPROACH CONTROL
2101 2102
GS #APPROACH CONTROL
.RADAR APPROACH CONTROL
RT AIR TRAFFIC CONTROL
AIRCRAFT APPROACH SPACING
AIRCRAFT COMMUNICATION
AIRCRAFT GUIDANCE
AIRCRAFT MANEUVERS
AUTOMATED EN ROUTE ATC
COLLISION AVOIDANCE
% CONTROL
FLIGHT PATHS
GLIDE PATHS
GROUND BASED CONTROL
INSTRUMENT APPROACH
INSTRUMENT FLIGHT RULES
INSTRUMENT LANDING SYSTEMS
LANDING AIDS
LANDING RADAR
MICROWAVE LANDING SYSTEMS

NIGHT FLIGHTS (AIRCRAFT)
RUNWAY LIGHTS
TRACKING (POSITION)
TRAFFIC CONTROL
VISUAL CONTROL

APPROACH INDICATORS
0202 1402 1406 2104 3501
GS AIRCRAFT INSTRUMENTS
#APPROACH INDICATORS
DISPLAY DEVICES
#APPROACH INDICATORS
FLIGHT INSTRUMENTS
#APPROACH INDICATORS
LANDING AIDS
.LANDING INSTRUMENTS
.#APPROACH INDICATORS
MEASURING INSTRUMENTS
.INDICATING INSTRUMENTS
.#APPROACH INDICATORS
RT AIR TRAFFIC CONTROL
ALTIMETERS
BLIND LANDING
GLIDE PATHS
INSTRUMENT APPROACH
INSTRUMENT LANDING SYSTEMS
MICROWAVE SCANNING BEAM LANDING SYSTEM
NAVIGATION AIDS
RADAR APPROACH CONTROL
SOLAR COMPASSES
SPEED INDICATORS

APPROPRIATIONS
3402 3406 3409
RT BUDGETING
COST ESTIMATES
FEDERAL BUDGETS
GRANTS

APPROXIMATION
1902 3407 3501
UF APPROXIMATION METHODS
NOMINAL VALUES
TRUNCATION (MATHEMATICS)
GS ANALYSIS (MATHEMATICS)
.NUMERICAL ANALYSIS
.#APPROXIMATION
...BORN APPROXIMATION
...BORN-OPPENHEIMER APPROXIMATION
...CHEBYSHEV APPROXIMATION
...EDDINGTON APPROXIMATION
...ESSENTIALLY NON-OSCILLATORY SCHEMES
...FINITE DIFFERENCE THEORY
...FINITE ELEMENT METHOD
...HARTREE APPROXIMATION
...LEAST SQUARES METHOD
...MEAN SQUARE VALUES
...MILNE METHOD
...MULTIGRID METHODS
...NEWTON METHODS
....NEWTON-RAPHSON METHOD
...NUMERICAL DIFFERENTIATION
...OSEEN APPROXIMATION
...PADE APPROXIMATION
...PARTICLE IN CELL TECHNIQUE
...POHLHAUSEN METHOD
...PREDICTOR-CORRECTOR METHODS
...RAYLEIGH-RITZ METHOD
...RELAXATION METHOD (MATHEMATICS)
...RITZ AVERAGING METHOD
...SCHWARTZ METHOD
...SOMMERFELD APPROXIMATION
...TVD SCHEMES
...UPWIND SCHEMES (MATHEMATICS)
...VORTEX IN CELL TECHNIQUE
RT % APPLICATIONS OF MATHEMATICS
CENSORED DATA (MATHEMATICS)
DIFFERENCE EQUATIONS
% EQUATIONS
FORM FACTORS
GLAUBER THEORY
% METHODOLOGY
MINIMAX TECHNIQUE
NUMERICAL STABILITY
PROBLEM SOLVING
% RELATIONSHIPS
SPLINE FUNCTIONS
STATIC MODELS
STATISTICAL ANALYSIS

APPROXIMATION METHODS
USE APPROXIMATION

APSIDAL ANGLES
USE APSIDES

APSIDES
1901 1904 3006 3009
UF APSIDAL ANGLES
GS #APSIDES
.APHELIONS
.APOGEES
.PERIGEES
.PERIHELIONS
.PERILUNES
RT ANGLES (GEOMETRY)
ANTIPODES
ELLIPTICAL ORBITS
ORBITAL ELEMENTS
ORBITAL MECHANICS

APT (PICTURE TRANSMISSION)
USE AUTOMATIC PICTURE TRANSMISSION

APTITUDE
0408 0410
RT LEARNING
PERSONNEL SELECTION

AQUARID METEOROIDS
3001 3005
GS CELESTIAL BODIES
.METEOROID SHOWERS
.#AQUARID METEOROIDS
.METEOROIDS
.#AQUARID METEOROIDS
RT ORIONID METEOROIDS

AQUATIC PLANTS
0404
GS PLANTS (BOTANY)
#AQUATIC PLANTS
..PHYTOPLANKTON
RT AQUICULTURE
HYDROPONICS
MARINE BIOLOGY

AQUEOUS SOLUTIONS
0602
GS MIXTURES
.SOLUTIONS
.#AQUEOUS SOLUTIONS
RT HYDRATES
SOLVATION

AQUICULTURE
0402
RT AQUATIC PLANTS
FISHERIES
FISHES
HYDROPONICS
MARINE BIOLOGY
MARINE ENVIRONMENTS
MARINE RESOURCES
MARINE TECHNOLOGY
% NUTRIENTS
TIDAL FLATS

AQUIFERS
0505 1306
GS RESOURCES
.EARTH RESOURCES
..WATER RESOURCES

..#AQUIFERS
RT FRESH WATER
GRAVELS
GROUND WATER
HYDROGEOLOGY
HYDROLOGY
HYDROTHERMAL SYSTEMS
LAKES
LIMNOLOGY
OASES
PERMEABILITY
PONDS
POROSITY
RAIN
SANDS
SPRINGS (WATER)
STREAMS
WATER
WATER TABLES
WELLS

ARABIAN COMMERCIAL SATELLITE
USE ARCOMSAT

ARABIAN SEA
1305
GS SEAS
#ARABIAN SEA
RT INDIAN OCEAN

ARABSAT
3107
GS ARTIFICIAL SATELLITES
#ARABSAT
RT INTERNATIONAL COOPERATION
SAUDI ARABIAN SPACE PROGRAM

ARAGONITE
1805 1806
GS CALCIUM COMPOUNDS
.CALCIUM CARBONATES
.#ARAGONITE
CARBON COMPOUNDS
.CARBONATES
..CALCIUM CARBONATES
..#ARAGONITE
MINERALS
#ARAGONITE
SILICON COMPOUNDS
.SILICATES
.#ARAGONITE
RT CALCITE

ARAMID FIBER COMPOSITES
1811 3202
SN (ARAMID FIBER UTILIZATION IN COMPOSITES. FOR PROPERTIES OF ARAMID FIBERS THEMSELVES USE 'ARAMID FIBERS'.)
GS COMPOSITE MATERIALS
.FIBER COMPOSITES
.#ARAMID FIBER COMPOSITES
RT ARAMID FIBERS
EPOXY MATRIX COMPOSITES
KEVLAR (TRADEMARK)
METAL MATRIX COMPOSITES
POLYAMIDE RESINS
POLYMER MATRIX COMPOSITES
REINFORCED PLASTICS
WHISKER COMPOSITES

ARAMID FIBERS
1808 1810
SN (PROPERTIES OF ARAMID FIBERS THEMSELVES. FOR ARAMID FIBER UTILIZATION IN COMPOSITES USE 'ARAMID FIBER COMPOSITES'.)
GS FIBERS
.REINFORCING FIBERS
.#ARAMID FIBERS
.SYNTHETIC FIBERS
.#ARAMID FIBERS
RT ARAMID FIBER COMPOSITES
COMPOSITE MATERIALS
EPOXY MATRIX COMPOSITES
FIBER COMPOSITES
FIBER ORIENTATION
FIBER STRENGTH
LAY-UP
PLASTICS
POLYAMIDE RESINS
REINFORCED PLASTICS
REINFORCING MATERIALS
RESIN MATRIX COMPOSITES

ARC CHAMBERS
2501 3301
RT % CHAMBERS
ELECTRIC ARCS
PLASMA GENERATORS
THRUST CHAMBERS

ARC CLOUDS
1301
GS CLOUDS (METEOROLOGY)
.CONVECTION CLOUDS
.#ARC CLOUDS
RT CYCLOGENESIS
FRONTS (METEOROLOGY)
MESOSCALE PHENOMENA
METEOROLOGY
OBSERVATION AIRCRAFT
SATELLITE OBSERVATION
THUNDERSTORMS

ARC DISCHARGES
0604 1411 2304
GS ELECTRIC CURRENT
.ELECTRIC DISCHARGES
.#ARC DISCHARGES
RT ELECTRIC ARCS

ARC GENERATORS
0302 0604 2501
RT ELECTRIC ARCS
ELECTRIC GENERATORS
ELECTROSTATIC GENERATORS
% GENERATORS
% INDUCTION
INDUCTORS
PLASMA GENERATORS
SPARK GAPS
SPARK PLUGS
VOLTAGE GENERATORS

ARC HEATING
0604 1504 1704 2502 3304 3404
UF GERDIEN ARC HEATERS
GS HEATING
#ARC HEATING
RT GAS HEATING
IMAGE FURNACES
PLASMA HEATING
RESISTANCE HEATING
SAHA EQUATIONS

ARC JET ENGINES
2501
GS ENGINES
.ROCKET ENGINES
..ELECTRIC ROCKET ENGINES
...ELECTROTHERMAL ENGINES
...#ARC JET ENGINES
RT ELECTRIC PROPULSION
ELECTROSTATIC ENGINES
ION ENGINES
PLASMA ENGINES
RESISTOJET ENGINES

ARC LAMPS
0604 0605 0904
GS LIGHTING EQUIPMENT
.LUMINAIRES
.#ARC LAMPS
RT CARBON ARCS

```
        LIGHT SOURCES
        MERCURY ARCS
        SEARCHLIGHTS
        XENON LAMPS

ARC MELTING
  0604 1504 1704 3303 3404
  GS    PHASE TRANSFORMATIONS
        .MELTING
        .#ARC MELTING
  RT    DROP TRANSFER
        ELECTROSLAG REFINING
        VACUUM MELTING
        ZONE MELTING

ARC SPRAYING
  1507
  UF    PLASMA ARC SPRAYING
  GS    SPRAYING
        #ARC SPRAYING
  RT    METAL SPRAYING

ARC WELDING
  1504 1507 1704 2502
  GS    WELDING
        .FUSION WELDING
        ..ELECTRIC WELDING
        ..#ARC WELDING
        ....GAS TUNGSTEN ARC WELDING
        ....PLASMA ARC WELDING
  RT    ELECTRON BEAM WELDING
        HEAT AFFECTED ZONE
        PRESSURE WELDING
        SPOT WELDS
        SPUTTERING

ARCAS ROCKET VEHICLES
  2003 3106 3108
  GS    ROCKET VEHICLES
        .SINGLE STAGE ROCKET VEHICLES
        .#ARCAS ROCKET VEHICLES
        .SOUNDING ROCKETS
        .#ARCAS ROCKET VEHICLES
  RT    RADIOSONDES
        SOLID PROPELLANT ROCKET ENGINES
      % VEHICLES

ARCHAEBACTERIA
  0407 0409
  GS    MICROORGANISMS
        .BACTERIA
        .#ARCHAEBACTERIA
  RT    BACTERIOLOGY
        BIOLOGICAL EVOLUTION
        PALEOBIOLOGY
        PALEONTOLOGY

ARCHAEOLOGY
  3403
  RT    ANTHROPOLOGY
        CULTURAL RESOURCES
        FOSSILS
        PALEOMAGNETISM

ARCHES
  3202
  RT    PERFORATED SHELLS
        RIGID STRUCTURES
        SHELLS (STRUCTURAL FORMS)
        TRUSSES

ARCHIPELAGOES
  1306
  RT    ALEUTIAN ISLANDS (US)
        ISLANDS
        LANDFORMS
        SEAS
        SPITSBERGEN (NORWAY)
        VIRGIN ISLANDS

ARCHITECTURE
  3203 3404
  RT    ACOUSTICS
        BUILDINGS
        CONSTRUCTION
      % CONSTRUCTION MATERIALS
        HUMAN FACTORS ENGINEERING
        ILLUMINATING
        PLANT DESIGN
        STARSITE PROGRAM
        STRUCTURAL DESIGN
      % STRUCTURES

ARCHITECTURE (COMPUTERS)
  0801 4001
  UF    COMPUTER ARCHITECTURE
  RT    COMPUTER DESIGN
        CONCURRENT PROCESSING
        CONNECTION MACHINE
        DISTRIBUTED PROCESSING
        HYPERCUBE MULTIPROCESSORS
        LOCAL AREA NETWORKS
        LOGIC CIRCUITS
        LOGIC DESIGN
        MASSIVELY PARALLEL PROCESSORS
        MEMORY (COMPUTERS)
        MIMD (COMPUTERS)
        MODULARITY
        PROGRAMMABLE LOGIC DEVICES
        SIMD (COMPUTERS)
        SOFTWARE TOOLS
        SUPERCOMPUTERS
        SYSTOLIC ARRAYS
        TRANSPUTERS
        VERY LARGE SCALE INTEGRATION

ARCOMSAT
  3107
  UF    ARABIAN COMMERCIAL SATELLITE
  GS    ARTIFICIAL SATELLITES
        .COMMUNICATION SATELLITES
        .#ARCOMSAT
  RT    AFRICA
        INTERNATIONAL COOPERATION
        SAUDI ARABIAN SPACE PROGRAM
        SYMPHONIE SATELLITES
        SYNCHRONOUS SATELLITES

ARCON ROCKET VEHICLE
  3106 3108 3409
  GS    ROCKET VEHICLES
        #ARCON ROCKET VEHICLE
  RT % VEHICLES

% ARCS
  1002 1507 1902 2304 2502
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW
  RT    AURORAL ARCS
        CURVES (GEOMETRY)
        ELECTRIC ARCS
        ISLAND ARCS
        MAGNETIC ANNULAR ARC
        PLASMA JETS
        RED ARCS

ARCTIC ENVIRONMENTS
  USE   ICE ENVIRONMENTS

ARCTIC OCEAN
  1305
  GS    OCEANS
        #ARCTIC OCEAN
  RT    BARENTS SEA
        BEAUFORT SEA (NORTH AMERICA)
        GREENLAND
        SPITSBERGEN (NORWAY)

ARCTIC REGIONS
  1305
  GS    NORTHERN HEMISPHERE
        #ARCTIC REGIONS
        REGIONS
        .POLAR REGIONS
```

```
        .#ARCTIC REGIONS
        .REMOTE REGIONS
        .#ARCTIC REGIONS
  RT    CHUKCHI SEA
        CLIMATOLOGY
        GEOGRAPHY
        MUSKEGS
        NUNATAKS
        OZONE DEPLETION
        POLAR CAPS
        SIBERIA
        SUBARCTIC REGIONS
        TUNDRA

AREA
  0101 1308 1902 2311 3406
  RT % CROSS SECTIONS
        GEOMETRY
        INTEGRAL CALCULUS
        LINE OF SIGHT
     % SECTORS
     % SURFACES
        VOLUME

AREA NAVIGATION
  0201 2103
  GS    NAVIGATION
        .AIR NAVIGATION
        .#AREA NAVIGATION
  RT    FLIGHT PATHS
        GROUND TRACKS

AREND-ROLAND COMET
  3001
  GS    CELESTIAL BODIES
        .COMETS
        .#AREND-ROLAND COMET
  RT    SOLAR SYSTEM

ARES (SPACECRAFT)
  USE   ADVANCED RECONN ELECTRIC SPACECRAFT

ARETS
  USE   ARIZONA REGIONAL ECOLOGICAL TEST
        SITE

ARGENTINA
  1305
  GS    NATIONS
        #ARGENTINA
  RT    ARGENTINE SPACE PROGRAM
        SOUTH AMERICA

ARGENTINE SPACE PROGRAM
  3409
  GS    PROGRAMS
        .SPACE PROGRAMS
        .#ARGENTINE SPACE PROGRAM
  RT    ARGENTINA

ARGO ROCKET VEHICLES
  3106 3108 3409
  GS    ROCKET VEHICLES
        .MULTISTAGE ROCKET VEHICLES
        .#ARGO ROCKET VEHICLES
  RT    HONEST JOHN ROCKET VEHICLE
        JAVELIN ROCKET VEHICLE
        NIKE-AJAX MISSILE
        SOLID PROPELLANT ROCKET ENGINES
        SOUNDING ROCKETS
     % VEHICLES

ARGON
  0603 1807
  GS    CHEMICAL ELEMENTS
        .RARE GASES
        .#ARGON
        ...ARGON ISOTOPES
        GASES
        .RARE GASES
        .#ARGON
        ...ARGON ISOTOPES
  RT    RADIATION TRAPPING

ARGON ISOTOPES
  0603 1807 2406
  GS    CHEMICAL ELEMENTS
        .NUCLIDES
        ..ISOTOPES
        ..#ARGON ISOTOPES
        .RARE GASES
        ..ARGON
        ..#ARGON ISOTOPES
        GASES
        .RARE GASES
        ..ARGON
        ..#ARGON ISOTOPES

ARGON LASERS
  1203 1601 2311 3304
  GS    STIMULATED EMISSION DEVICES
        .LASERS
        .#ARGON LASERS
  RT    CHEMICAL LASERS
        CONTINUOUS WAVE LASERS
        GAS MASERS
        INFRARED LASERS
        MACH-ZEHNDER INTERFEROMETERS
        MOLECULAR OSCILLATIONS
        PULSED LASERS
        Q SWITCHED LASERS
        STIMULATED EMISSION

ARGON PLASMA
  2502
  GS    PARTICLES
        .CHARGED PARTICLES
        ..ENERGETIC PARTICLES
        ...PLASMAS (PHYSICS)
        ...#ARGON PLASMA
  RT    HELIUM PLASMA
        HYDROGEN PLASMA
        OXYGEN PLASMA

ARGON-OXYGEN ATMOSPHERES
  0504 0507
  GS    CONTROLLED ATMOSPHERES
        #ARGON-OXYGEN ATMOSPHERES
  RT    AEROSPACE ENVIRONMENTS
     % ATMOSPHERES
     % BREATHING
        GAS MIXTURES
        PORTABLE LIFE SUPPORT SYSTEMS
        UNDERWATER BREATHING APPARATUS

ARGOS SYSTEM
  3107 3110
  GS    SATELLITE NETWORKS
        #ARGOS SYSTEM
  RT    DATA COLLECTION PLATFORMS
        DATA TRANSMISSION
        OCEAN DATA ACQUISITIONS SYSTEMS
        SATELLITE DOPPLER POSITIONING

ARGOSY MK-1 AIRCRAFT
  0207 3401
  GS    HAWKER SIDDELEY AIRCRAFT
        #ARGOSY MK-1 AIRCRAFT
        JET AIRCRAFT
        .TURBOPROP AIRCRAFT
        .#ARGOSY MK-1 AIRCRAFT
        MONOPLANES
        #ARGOSY MK-1 AIRCRAFT
        TRANSPORT AIRCRAFT
        #ARGOSY MK-1 AIRCRAFT
  RT % AIRCRAFT

ARGUMENTS (MATHEMATICS)
  USE   INDEPENDENT VARIABLES

ARGUS PROJECT
  2205 3302
  GS    PROGRAMS
        .PROJECTS
        .#ARGUS PROJECT
```

RT THERMONUCLEAR EXPLOSIONS

ARIANE LAUNCH VEHICLE
3103 3409
GS LAUNCH VEHICLES
#ARIANE LAUNCH VEHICLE
ROCKET VEHICLES
.MULTISTAGE ROCKET VEHICLES
.#ARIANE LAUNCH VEHICLE
RT ELDO LAUNCH VEHICLE
EUROPA LAUNCH VEHICLES
EUROPEAN SPACE AGENCY
EUROPEAN SPACE PROGRAMS
GEOSARI PROJECT

ARID LANDS
1304 1305 1308
GS LAND
#ARID LANDS
RT BARREN LAND
DEATH VALLEY (CA)
DESERTIFICATION
DESERTLINE
DESERTS
DROUGHT
EARTH ENVIRONMENT
EARTH RESOURCES
EQUATORIAL REGIONS
GOBI DESERT
MOJAVE DESERT (CA)
OASES
SAHARA DESERT (AFRICA)
STEPPES
WADIS

ARIEL
1901 3001 3007 3008
GS CELESTIAL BODIES
.NATURAL SATELLITES
..ICY SATELLITES
..#ARIEL
..URANUS SATELLITES
..#ARIEL
RT URANUS (PLANET)

ARIEL SATELLITES
3107 3110 3409
GS ARTIFICIAL SATELLITES
#ARIEL SATELLITES
..ARIEL 1 SATELLITE
..ARIEL 2 SATELLITE
..ARIEL 3 SATELLITE
..ARIEL 4 SATELLITE
..ARIEL 5 SATELLITE
RT GEOPHYSICAL SATELLITES
THOR DELTA LAUNCH VEHICLE

ARIEL 1 SATELLITE
3107 3110 3409
UF S-51 SATELLITE
GS ARTIFICIAL SATELLITES
.ARIEL SATELLITES
.#ARIEL 1 SATELLITE

ARIEL 2 SATELLITE
3107 3110 3409
UF S-52 SATELLITE
GS ARTIFICIAL SATELLITES
.ARIEL SATELLITES
.#ARIEL 2 SATELLITE

ARIEL 3 SATELLITE
3107 3110 3409
GS ARTIFICIAL SATELLITES
.ARIEL SATELLITES
.#ARIEL 3 SATELLITE

ARIEL 4 SATELLITE
3107 3110 3409
GS ARTIFICIAL SATELLITES
.ARIEL SATELLITES
.#ARIEL 4 SATELLITE
RT IONOSPHERIC ELECTRON DENSITY
IONOSPHERIC SOUNDING

ARIEL 5 SATELLITE
3107
GS ARTIFICIAL SATELLITES
.ARIEL SATELLITES
.#ARIEL 5 SATELLITE

ARIES CONSTELLATION
3001
GS CONSTELLATIONS
#ARIES CONSTELLATION
RT CELESTIAL BODIES
CELESTIAL SPHERE
STARS

ARIES SOUNDING ROCKET
3108 3409
GS ROCKET VEHICLES
.SOUNDING ROCKETS
.#ARIES SOUNDING ROCKET

ARIETID METEOROIDS
3001 3005
GS CELESTIAL BODIES
.METEOROID SHOWERS
.#ARIETID METEOROIDS
.METEOROIDS
.#ARIETID METEOROIDS

ARIP (IMPACT PREDICTION)
USE COMPUTERIZED SIMULATION
IMPACT PREDICTION

ARIS INSTRUMENTATION SHIP
USE ADVANCED RANGE INSTRUMENTATION SHIP

ARITHMETIC
1902 1903
GS NUMBER THEORY
#ARITHMETIC
..DOUBLE PRECISION ARITHMETIC
..FIXED POINT ARITHMETIC
..FLOATING POINT ARITHMETIC
RT ADDITION
CALCULATORS
COMPUTATION
DIVIDING (MATHEMATICS)
EXPONENTS
INTEGERS
MULTIPLICATION
SUBTRACTION
SUMS

ARITHMETIC AND LOGIC UNITS
0801 0802
UF ALU (COMPUTER COMPONENTS)
LOGIC UNITS
GS CENTRAL PROCESSING UNITS
#ARITHMETIC AND LOGIC UNITS
RT COMPUTER COMPONENTS
COMPUTERS
DOUBLE PRECISION ARITHMETIC
LOGIC CIRCUITS

ARIZONA
1305
GS NATIONS
.UNITED STATES
.#ARIZONA
RT ARIZONA REGIONAL ECOLOGICAL TEST SITE
COLORADO PLATEAU (US)
COLORADO RIVER (NORTH AMERICA)
GRAND CANYON (AZ)
PHOENIX (AZ)
PHOENIX QUADRANGLE (AZ)

ARIZONA REGIONAL ECOLOGICAL TEST SITE
1305
UF ARETS
GS SITES

```
        #ARIZONA REGIONAL ECOLOGICAL TEST
         SITE
  RT    ARIZONA
        ECOLOGY
        TEST FACILITIES

ARKANSAS
  1305
  GS    NATIONS
        .UNITED STATES
        .#ARKANSAS

ARM (ANATOMY)
  0404 0506 0508
  GS    ANATOMY
        .LIMBS (ANATOMY)
        .#ARM (ANATOMY)
        ...ELBOW (ANATOMY)
        ...FOREARM
        APPENDAGES
        #ARM (ANATOMY)
        ..ELBOW (ANATOMY)
        ..FOREARM
  RT    HUMERUS
        SCAPULA
        ULNA
        WRIST

ARMATURES
  1504
  RT    COMMUTATORS
        ELECTRIC GENERATORS
        ELECTRIC MOTORS
        ELECTRIC RELAYS
        INDUCTION MOTORS
      % ROTATING ELECTRICAL MACHINES
        ROTORS

ARMED FORCES
  3401
  GS   #ARMED FORCES
        .ARMED FORCES (FOREIGN)
        .ARMED FORCES (UNITED STATES)
        .NAVY
  RT % MILITARY AIRCRAFT
     % MILITARY AVIATION
       MILITARY SPACECRAFT
     % MILITARY VEHICLES
       TANKS (COMBAT VEHICLES)

ARMED FORCES (FOREIGN)
  3401
  GS    ARMED FORCES
        #ARMED FORCES (FOREIGN)
  RT    DISARMAMENT
        ENEMY PERSONNEL
      % MILITARY AIRCRAFT
        MILITARY TECHNOLOGY
      % MILITARY VEHICLES
        WEAPONS

ARMED FORCES (UNITED STATES)
  3401
  GS    ARMED FORCES
        #ARMED FORCES (UNITED STATES)
  RT    DEFENSE PROGRAM
        DISARMAMENT
      % MILITARY AIRCRAFT
        MILITARY TECHNOLOGY
      % MILITARY VEHICLES
        WEAPONS
        WEAPONS INDUSTRY

ARMENIA
  1305
  GS    NATIONS
        #ARMENIA
  RT    ASIA
        EUROPE

ARMOR
  0508 1701 1805 3401
  RT    HELMETS
        METAL PLATES
        ORDNANCE
        PROTECTIVE CLOTHING
        SHIELDING

ARMS (ROBOTICS)
  USE   ROBOT ARMS

ARMY-NAVY INSTRUMENTATION PROGRAM
  1402 1410 3401
  GS    PROGRAMS
        #ARMY-NAVY INSTRUMENTATION PROGRAM
  RT    LOGISTICS
        MILITARY TECHNOLOGY

AROD (RANGE-ORBIT DETERMINATION)
  USE   AIRBORNE RANGE AND ORBIT
        DETERMINATION

% AROMATIC COMPOUNDS
  0403 0603 1808
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  UF    ARYL COMPOUNDS
  RT % CHEMICAL COMPOUNDS
        CHLOROAROMATICS
        FURFURYL ALCOHOL
        HYDROCARBONS
        METHYLIDYNE
        ORGANIC COMPOUNDS

AROOS METEORITE
  3001 3005
  GS    CELESTIAL BODIES
        .METEORITES
        ..IRON METEORITES
        ..#AROOS METEORITE

AROUSAL
  0408
  RT    ALERTNESS
        ELECTROENCEPHALOGRAPHY
      % STIMULI

ARPA COMPUTER NETWORK
  0802
  GS    COMMUNICATION NETWORKS
        .INTERNETS
        .#ARPA COMPUTER NETWORK
        COMPUTER NETWORKS
        .INTERNETS
        .#ARPA COMPUTER NETWORK
  RT    COMPUTER TECHNIQUES
      % NETWORKS
        QUEUEING THEORY
        SATELLITE COMMUNICATION
        SPACECRAFT COMMUNICATION
        SWITCHING CIRCUITS
        TELECOMMUNICATION
        VSAT (NETWORK)

ARQ (COMMUNICATION)
  USE   AUTOMATIC REPEAT REQUEST

ARRAYS
  0701 0901 1902 2311
  GS   #ARRAYS
        .ANTENNA ARRAYS
        ..LINEAR ARRAYS
        ...ENDFIRE ARRAYS
        ....YAGI ANTENNAS
        ..STEERABLE ANTENNAS
        ...INERTIALESS STEERABLE ANTENNAS
        ..TURNSTILE ANTENNAS
        .LARGE APERTURE SEISMIC ARRAY
        .LASER ARRAYS
        .MULTI-ANODE MICROCHANNEL ARRAYS
        .PHASED ARRAYS
        .SOLAR ARRAYS
        ..SOLAR BLANKETS
        .SYNTHETIC ARRAYS
```

```
        .SYSTOLIC ARRAYS
  RT    ANTENNAS
        FOCAL PLANE DEVICES
        MATRICES (MATHEMATICS)
        PHOTOMASKS
        PUSHBROOM SENSOR MODES
        RANKING
      % STATISTICS

% ARRESTERS
  0508 0904
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    ARRESTING GEAR
        BLOCKING
        BRAKES (FOR ARRESTING MOTION)
        GAPS
        LIGHTNING

ARRESTING GEAR
  0203
  GS    LANDING AIDS
        #ARRESTING GEAR
        SAFETY DEVICES
        #ARRESTING GEAR
  RT    ABORT APPARATUS
        AIRCRAFT CARRIERS
        AIRCRAFT SAFETY
        ANTISKID DEVICES
      % ARRESTERS
      % BARRIERS
        BRAKES (FOR ARRESTING MOTION)
        CRASH LANDING
      % GEAR

ARRHYTHMIA
  0405 0408
  GS    RATES (PER TIME)
        .HEART RATE
        .#ARRHYTHMIA

ARRIVALS
  0702 1101 1204 3009 3102 3404
  RT    APPROACH
        LANDING

ARROW WINGS
  0104
  GS    AIRFOILS
        .WINGS
        ..SWEPT WINGS
        ...SWEPTBACK WINGS
        ...#ARROW WINGS
        PLANFORMS
        .WING PLANFORMS
        ..SWEPTBACK WINGS
        ..#ARROW WINGS
  RT    CARET WINGS
        DELTA WINGS
        VARIABLE SWEEP WINGS

ARROYOS
  2003
  GS    LANDFORMS
        #ARROYOS
  RT    CANYONS
        DRAINAGE PATTERNS
        EROSION
        LIMNOLOGY
        RAIN IMPACT DAMAGE
        WATER
        WATER CURRENTS
        WATER EROSION

ARSENATES
  0603 1804
  GS    ARSENIC COMPOUNDS
        #ARSENATES
  RT    ARSENIDES
      % OXYGEN COMPOUNDS

ARSENIC
  0603 1703
  GS    CHEMICAL ELEMENTS
        .METALLOIDS
        .#ARSENIC
        ...ARSENIC ISOTOPES
  RT    METALS

ARSENIC ALLOYS
  0603 1701
  GS    ALLOYS
        #ARSENIC ALLOYS
  RT    METALLOIDS

ARSENIC COMPOUNDS
  0603 1804 1808
  GS   #ARSENIC COMPOUNDS
        .ARSENATES
        .ARSENIDES
        ..ALUMINUM ARSENIDES
        ..GALLIUM ARSENIDES
        ...ALUMINUM GALLIUM ARSENIDES
        ...INDIUM GALLIUM ARSENIDES
        ..INDIUM ARSENIDES
        ...INDIUM GALLIUM ARSENIDES
        ..PROUSTITE
  RT  % CHEMICAL COMPOUNDS
      % GROUP 5A COMPOUNDS

ARSENIC ISOTOPES
  0603 1703 2406
  GS    CHEMICAL ELEMENTS
        .METALLOIDS
        ..ARSENIC
        ..#ARSENIC ISOTOPES
        .NUCLIDES
        ..ISOTOPES
        ..#ARSENIC ISOTOPES
  RT    METALS
        RADIOACTIVE ISOTOPES

ARSENIDES
  1703 1804
  GS    ARSENIC COMPOUNDS
        #ARSENIDES
        ..ALUMINUM ARSENIDES
        ..GALLIUM ARSENIDES
        ...ALUMINUM GALLIUM ARSENIDES
        ...INDIUM GALLIUM ARSENIDES
        ..INDIUM ARSENIDES
        ...INDIUM GALLIUM ARSENIDES
        ..PROUSTITE
  RT    ARSENATES
        INTERMETALLICS

ARTEMIA
  0402
  GS    ANIMALS
        .INVERTEBRATES
        ..ARTHROPODS
        ..#ARTEMIA

ARTERIES
  0404
  GS    ANATOMY
        .CIRCULATORY SYSTEM
        ..CARDIOVASCULAR SYSTEM
        ...BLOOD VESSELS
        ...#ARTERIES
        .....AORTA
  RT    ARTERIOSCLEROSIS
        BIFURCATION (BIOLOGY)
        CAROTID SINUS BODY
        CAROTID SINUS REFLEX
        PHONOARTERIOGRAPHY
        SPHYGMOGRAPHY
        VEINS

ARTERIOSCLEROSIS
  0405
  UF    ATHEROSCLEROSIS
  GS    DISEASES
        #ARTERIOSCLEROSIS
```

```
  RT    ANGINA PECTORIS
        ARTERIES
        CHOLESTEROL
        CIRCULATORY SYSTEM
        CORONARY ARTERY DISEASE
        MYOCARDIAL INFARCTION

ARTHRITIS
  0404 0405 0408
  GS    DISEASES
        #ARTHRITIS
  RT    BONES
        CALCIFICATION
        JOINTS (ANATOMY)
        RHEUMATIC DISEASES

ARTHROPODS
  0402
  GS    ANIMALS
        .INVERTEBRATES
        .#ARTHROPODS
        ...ARTEMIA
        ...CRABS
        ...INSECTS
        ....BEES
        ....BOLLWORMS
        ....CHIRONOMUS FLIES
        ....COCKROACHES
        ....COLEOPTERA
        .....BEETLES
        ......TRIBOLIA
        .....BOLL WEEVILS
        ....CRICKETS
        ....DROSOPHILA
        ....FIREFLIES
        ....GRASSHOPPERS
        ....LOCUSTS
        ....MOTHS
        .....SILKWORMS
        ...SPIDERS
  RT    EXOSKELETONS
        LARVAE

ARTICULATION (SPEECH)
  0702
  GS    SPEECH
        #ARTICULATION (SPEECH)
  RT    LANGUAGES
        SPEECH DEFECTS

ARTIFACTS
  0404 3403
  RT    ANTHROPOLOGY
        ANTIQUITIES
        CULTURE (SOCIAL SCIENCES)
        MUSEUMS

ARTIFICIAL CARDIAC PACEMAKER
  0405 0501
  GS    MEDICAL EQUIPMENT
        #ARTIFICIAL CARDIAC PACEMAKER
  RT    BIOTECHNOLOGY
        BLOOD CIRCULATION
        CARDIOLOGY
        CIRCULATORY SYSTEM
        HEART
        PULMONARY CIRCULATION

ARTIFICIAL CLOUDS
  2003
  GS    CLOUDS (METEOROLOGY)
        #ARTIFICIAL CLOUDS
        ..CHEMICAL CLOUDS
        ...BARIUM ION CLOUDS
  RT    WEATHER MODIFICATION

ARTIFICIAL EARS
  0405 0408 0506
  GS    MEDICAL EQUIPMENT
        .PROSTHETIC DEVICES
        .#ARTIFICIAL EARS
  RT    EAR

ARTIFICIAL GRAVITY
  0401 0504 1309 3104
  GS    GRAVITATION
        #ARTIFICIAL GRAVITY
  RT    ACCELERATION STRESSES (PHYSIOLOGY)
      % ASTRONAUTICS
        ENVIRONMENTAL CONTROL
        GRAVITY GRADIENT SATELLITES
        HUMAN CENTRIFUGES
        LIFE SUPPORT SYSTEMS
        LOWER BODY NEGATIVE PRESSURE
        ROTATING ENVIRONMENTS
        SPIN DYNAMICS
        WEIGHTLESSNESS

ARTIFICIAL HARBORS
  1102 1305 1310 3404
  GS    WATERWAYS
        .HARBORS
        .#ARTIFICIAL HARBORS
  RT    CARGO SHIPS
        DEEPWATER TERMINALS
        DREDGING
        MARINE TECHNOLOGY
        OCEANOGRAPHY
        OFFSHORE DOCKING
        OFFSHORE PLATFORMS
        SHIP TERMINALS
        TANKER SHIPS
        TANKER TERMINALS
      % TANKERS
        TERMINAL FACILITIES
        TRANSPORTATION

ARTIFICIAL HEART VALVES
  0501 0503 0507 1501 1504
  GS    MEDICAL EQUIPMENT
        #ARTIFICIAL HEART VALVES
        VALVES
        #ARTIFICIAL HEART VALVES
  RT    BIOTECHNOLOGY
        BLOOD CIRCULATION
        BLOOD PUMPS
        HEART
        HEART IMPLANTATION

ARTIFICIAL INTELLIGENCE
  0410 0804 1902 4001
  UF    MACHINE RECOGNITION
  GS    INTELLIGENCE
        #ARTIFICIAL INTELLIGENCE
  RT    AUTOMATA THEORY
        BIONICS
        CHARACTER RECOGNITION
        COGNITION
        COMPUTER VISION
        COMPUTERS
        DEPERSONALIZATION
        EXPERT SYSTEMS
        INFORMATION PROCESSING (BIOLOGY)
        INTELLECT
        KNOWLEDGE BASED SYSTEMS
        KNOWLEDGE BASES (ARTIFICIAL
        INTELLIGENCE)
        KNOWLEDGE REPRESENTATION
      % LOGIC
        LOGIC PROGRAMMING
        MACHINE LEARNING
        NATURAL LANGUAGE PROCESSING
        PERCEPTION
        PREDICATE CALCULUS
        PREDICATE LOGIC
        PROLOG (PROGRAMMING LANGUAGE)
        ROBOTICS
        ROBOTS
        SELF ORGANIZING SYSTEMS
        THEOREM PROVING
        VOICE DATA PROCESSING

ARTIFICIAL RADIATION BELTS
  0411 0601 0704 1302 1307 2403 2903
  GS    PARTICLES
```

C-2

.CHARGED PARTICLES
..MAGNETICALLY TRAPPED PARTICLES
...RADIATION BELTS
...#ARTIFICIAL RADIATION BELTS
.TRAPPED PARTICLES
..MAGNETICALLY TRAPPED PARTICLES
...RADIATION BELTS
...#ARTIFICIAL RADIATION BELTS
RT INNER RADIATION BELT
NUCLEAR EXPLOSIONS
OUTER RADIATION BELT
% RADIATION

ARTIFICIAL RESPIRATION
USE RESUSCITATION

ARTIFICIAL SATELLITES
3107 3110
GS #ARTIFICIAL SATELLITES
.ACTIVE SATELLITES
..SYNCOM SATELLITES
...EARLY BIRD SATELLITES
...SYNCOM 1 SATELLITE
...SYNCOM 2 SATELLITE
...SYNCOM 3 SATELLITE
.ALOUETTE SATELLITES
..ALOUETTE B SATELLITE
..ALOUETTE 1 SATELLITE
..ALOUETTE 2 SATELLITE
.ARABSAT
.ARIEL SATELLITES
..ARIEL 1 SATELLITE
..ARIEL 2 SATELLITE
..ARIEL 3 SATELLITE
..ARIEL 4 SATELLITE
..ARIEL 5 SATELLITE
.BESS (SATELLITE)
.BIOSATELLITES
..BIOSATELLITE 1
..BIOSATELLITE 2
..BIOSATELLITE 3
..ORBITING FROG OTOLITH
..SPUTNIK 2 SATELLITE
.COMMUNICATION SATELLITES
..ACTS
..AERONAUTICAL SATELLITES
...AEROSAT SATELLITES
..ARCOMSAT
..COMMUNICATIONS TECHNOLOGY SATELLITE
...COMSTAR C
...NATO 3B SATELLITE
..COMSTAR SATELLITES
..DIRECT BROADCAST SATELLITES
..EUROPEAN COMMUNICATIONS SATELLITE
..INTELSAT SATELLITES
..L-SAT
..LOW FREQUENCY TRANSIONOSPHERIC SATELLITES
..MARECS MARITIME SATELLITES
..MAROTS (ESA)
..MOLNIYA SATELLITES
..MSAT
..PALAPA SATELLITES
...PALAPA 2 SATELLITE
..RADUGA SATELLITE
..RCA SATCOM SATELLITES
..RELAY SATELLITES
...RELAY 1 SATELLITE
...RELAY 2 SATELLITE
..SYMPHONIE SATELLITES
..SYNCOM SATELLITES
...EARLY BIRD SATELLITES
...SYNCOM 1 SATELLITE
...SYNCOM 2 SATELLITE
...SYNCOM 3 SATELLITE
...SYNCOM 4 SATELLITE
..WESTAR SATELLITES
.COSPAS
.COURIER SATELLITE
.DIADEME SATELLITES
.DISCOVERER SATELLITES
.DODGE SATELLITE
.EROS (SATELLITES)
.ESA SATELLITES
..AEROSAT SATELLITES
..COS-B SATELLITE
..ERS-1 (ESA SATELLITE)
..ESRO 1 SATELLITE
..ESRO 2 SATELLITE
..ESRO 4 SATELLITE
..EUROPEAN COMMUNICATIONS SATELLITE
..EXOSAT SATELLITE
..GEOS SATELLITES (ESA)
..HEOS SATELLITES
...HEOS A SATELLITE
...HEOS B SATELLITE
..HIPPARCOS SATELLITE
..INFRARED SPACE OBSERVATORY (ISO)
..L-SAT
..MAGELLAN ULTRAVIOLET ASTRONOMY SATELLITE
..MARECS MARITIME SATELLITES
..MAROTS (ESA)
..METEOSAT SATELLITE
..OTS (ESA)
..TD SATELLITES
...TD-1 SATELLITE
.EUROPEAN 1 SPACECRAFT
.EVASIVE SATELLITES
.FRENCH SATELLITES
..D-1 SATELLITE
..D-2 SATELLITES
..EOLE SATELLITES
..FR-1 SATELLITE
..GEOLE SATELLITES
..PEOLE SATELLITES
..POSEIDON SATELLITE
..SPOT (FRENCH SATELLITE)
..SRET SATELLITES
...SRET 1 SATELLITE
...SRET 2 SATELLITE
.GEODETIC SATELLITES
..ANNA SATELLITES
..EXPLORER 29 SATELLITE
..EXPLORER 36 SATELLITE
..GEOLE SATELLITES
..GEOS 1 SATELLITE
..GEOS 2 SATELLITE
..GEOS 3 SATELLITE
..GEOSAT SATELLITES
..LARGOS SATELLITE
..PAGEOS SATELLITE
..VANGUARD 1 SATELLITE
.GEOPHYSICAL SATELLITES
..COSMOS SATELLITES
...INTERCOSMOS SATELLITES
..EXPLORER 6 SATELLITE
..EXPLORER 10 SATELLITE
..EXPLORER 12 SATELLITE
..EXPLORER 45 SATELLITE
..OGO
...EGO
...OGO-A
...OGO-3
...OGO-5
...POGO
....OGO-C
....OGO-4
....OGO-6
..OSO
...OSO-C
...OSO-1
...OSO-2
...OSO-3
...OSO-4
...OSO-5
...OSO-6
...OSO-7
...OSO-8
..RADIATION AND METEOROID SATELLITE
..SPUTNIK 3 SATELLITE
..VANGUARD 3 SATELLITE
.GEOS-D SATELLITE
.GRAVITY GRADIENT SATELLITES

..ATS
...ATS 1
...ATS 2
...ATS 3
...ATS 4
...ATS 5
...ATS 6
...ATS 7
...ATS 8
..ORBIS CAL SATELLITE
.GREB SATELLITES
.HELIOS SATELLITES
..HELIOS A
..HELIOS B
..HELIOS 1
..HELIOS 2
.INJUN SATELLITES
..EXPLORER 25 SATELLITE
..INJUN 1 SATELLITE
..INJUN 3 SATELLITE
..INJUN 4 SATELLITE
.INSPECTOR SATELLITE
.IRIS SATELLITES
.ISIS SATELLITES
..ALOUETTE 2 SATELLITE
..ISIS-A
..ISIS-B
..ISIS-X
.LANDSAT SATELLITES
..LANDSAT E
..LANDSAT F
..LANDSAT 1
..LANDSAT 2
..LANDSAT 3
..LANDSAT 4
..LANDSAT 5
.LINCOLN EXPERIMENTAL SATELLITES
.LUNAR SATELLITES
..EXPLORER 18 SATELLITE
..EXPLORER 28 SATELLITE
..IMP
..LUNAR ORBITER
...LUNAR ORBITER 1
...LUNAR ORBITER 2
...LUNAR ORBITER 3
...LUNAR ORBITER 4
...LUNAR ORBITER 5
..ORBITING LUNAR STATIONS
.MAPSAT
.MARISAT SATELLITES
..MARISAT 1 SATELLITE
.MARITIME SATELLITES
..ERS-1 (ESA SATELLITE)
..MARECS MARITIME SATELLITES
..MAROTS (ESA)
.METEOROLOGICAL SATELLITES
..AEROS SATELLITE
..COSMOS 144 SATELLITE
..D-2 SATELLITES
..DMSP SATELLITES
..ELEKTRON SATELLITES
...ELEKTRON 1 SATELLITE
...ELEKTRON 2 SATELLITE
...ELEKTRON 4 SATELLITE
..EOLE SATELLITES
..ESSA SATELLITES
...ESSA 1 SATELLITE
...ESSA 2 SATELLITE
...ESSA 3 SATELLITE
...ESSA 4 SATELLITE
...ESSA 5 SATELLITE
...ESSA 6 SATELLITE
...ESSA 7 SATELLITE
...ESSA 8 SATELLITE
...ESSA 9 SATELLITE
..EXPLORER 9 SATELLITE
..EXPLORER 17 SATELLITE
..EXPLORER 19 SATELLITE
..GEOLE SATELLITES
..GOES 6
..METEOSAT SATELLITE
..NIMBUS SATELLITES
...NIMBUS 1 SATELLITE
...NIMBUS 2 SATELLITE
...NIMBUS 3 SATELLITE
...NIMBUS 4 SATELLITE
...NIMBUS 5 SATELLITE
...NIMBUS 6 SATELLITE
...NIMBUS 7 SATELLITE
..NOAA SATELLITES
...NOAA 2 SATELLITE
...NOAA 3 SATELLITE
...NOAA 4 SATELLITE
...NOAA 5 SATELLITE
...NOAA 6 SATELLITE
...NOAA 7 SATELLITE
...NOAA 8 SATELLITE
...NOAA 9 SATELLITE
...NOAA 10 SATELLITE
..SAN MARCO SATELLITES
...SAN MARCO 1 SATELLITE
...SAN MARCO 2 SATELLITE
...SAN MARCO 3 SATELLITE
..SEOCS (SATELLITE)
..SIRS B SATELLITE
..SPUTNIK 1 SATELLITE
..SPUTNIK 2 SATELLITE
..SPUTNIK 3 SATELLITE
..SRET SATELLITES
...SRET 1 SATELLITE
...SRET 2 SATELLITE
..SYNCHRONOUS EARTH OBSERVATORY SATELLITE
...SMS 1
...SMS 2
..SYNCHRONOUS METEOROLOGICAL SATELLITE
...SMS 1
...SMS 2
..TIROS SATELLITES
...ITOS SATELLITES
....ITOS 1
....ITOS 2
....ITOS 3
....ITOS 4
...TIROS M
...TIROS N SERIES SATELLITES
...TIROS 1 SATELLITE
...TIROS 2 SATELLITE
...TIROS 3 SATELLITE
...TIROS 4 SATELLITE
...TIROS 5 SATELLITE
...TIROS 6 SATELLITE
...TIROS 7 SATELLITE
...TIROS 8 SATELLITE
...TIROS 9 SATELLITE
...TIROS 10 SATELLITE
..VANGUARD 2 SATELLITE
.MIDAS SATELLITES
..MIDAS 2 SATELLITE
..MIDAS 3 SATELLITE
..MIDAS 4 SATELLITE
..MIDAS 5 SATELLITE
..MIDAS 6 SATELLITE
..MIDAS 7 SATELLITE
.MULTISPECTRAL RESOURCE SAMPLER
.NAVIGATION SATELLITES
..AEROSAT SATELLITES
..EXPLORER 22 SATELLITE
..NAVIGATION TECHNOLOGY SATELLITES
..NAVSTAR SATELLITES
..NOVA SATELLITES
..REFSAT
..TRANSIT ATTITUDE CONTROL SATELLITE
..TRANSIT SATELLITES
.ORBITAL WORKSHOPS
..SATURN WORKSHOPS
...SATURN 1 WORKSHOP
...SATURN 5 WORKSHOP
..SKYLAB 1
..SKYLAB 2
..SKYLAB 3
..SKYLAB 4
.PAS

.PASSIVE SATELLITES
..BEACON SATELLITES
...BEACON EXPLORER A
...EXPLORER 22 SATELLITE
..ECHO SATELLITES
...ECHO 1 SATELLITE
...ECHO 2 SATELLITE
..LAGEOS (SATELLITE)
..PAGEOS SATELLITE
.PEGASUS SATELLITES
.POLYOT SATELLITES
.ROSAT MISSION
.SAGE SATELLITE
.SAMOS
.SARSAT
.SCIENTIFIC SATELLITES
..AMPTE (SATELLITES)
..ASTRONOMICAL SATELLITES
...GAMMA RAY OBSERVATORY
...GINGA SATELLITE
...HUBBLE SPACE TELESCOPE
...LARGE DEPLOYABLE REFLECTOR
...SPACE INFRARED TELESCOPE FACILITY
...TENMA SATELLITE
...X RAY ASTROPHYSICS FACILITY
..ATS
...ATS 1
...ATS 2
...ATS 3
...ATS 4
...ATS 5
...ATS 6
...ATS 7
...ATS 8
..AZUR SATELLITE
..CANNONBALL 2 SATELLITE
..CRRES (SATELLITE)
..DIAL SATELLITE
..ENVIRONMENTAL RESEARCH SATELLITES
...ERS 17
...ERS 18
...INTASAT SATELLITE
..EXOS SATELLITES
...EXOS-A SATELLITE
...EXOS-B SATELLITE
...EXOS-C SATELLITE
...EXOS-D SATELLITE
..EXOSAT SATELLITE
..EXPLORER SATELLITES
...APPLICATIONS EXPLORER SATELLITES
...COSMIC BACKGROUND EXPLORER SATELLITE
...DUAL AIR DENSITY EXPLORER
...DYNAMICS EXPLORER SATELLITES
....DYNAMICS EXPLORER 1 SATELLITE
....DYNAMICS EXPLORER 2 SATELLITE
...EXPLORER 1 SATELLITE
...EXPLORER 2 SATELLITE
...EXPLORER 3 SATELLITE
...EXPLORER 4 SATELLITE
...EXPLORER 5 SATELLITE
...EXPLORER 6 SATELLITE
...EXPLORER 7 SATELLITE
...EXPLORER 8 SATELLITE
...EXPLORER 9 SATELLITE
...EXPLORER 10 SATELLITE
...EXPLORER 11 SATELLITE
...EXPLORER 12 SATELLITE
...EXPLORER 14 SATELLITE
...EXPLORER 15 SATELLITE
...EXPLORER 16 SATELLITE
...EXPLORER 17 SATELLITE
...EXPLORER 18 SATELLITE
...EXPLORER 19 SATELLITE
...EXPLORER 20 SATELLITE
...EXPLORER 21 SATELLITE
...EXPLORER 22 SATELLITE
...EXPLORER 23 SATELLITE
...EXPLORER 24 SATELLITE
...EXPLORER 25 SATELLITE
...EXPLORER 26 SATELLITE
...EXPLORER 27 SATELLITE
...EXPLORER 28 SATELLITE
...EXPLORER 29 SATELLITE
...EXPLORER 30 SATELLITE
...EXPLORER 31 SATELLITE
...EXPLORER 32 SATELLITE
...EXPLORER 33 SATELLITE
...EXPLORER 34 SATELLITE
...EXPLORER 35 SATELLITE
...EXPLORER 36 SATELLITE
...EXPLORER 37 SATELLITE
...EXPLORER 38 SATELLITE
...EXPLORER 39 SATELLITE
...EXPLORER 40 SATELLITE
...EXPLORER 41 SATELLITE
...EXPLORER 43 SATELLITE
...EXPLORER 44 SATELLITE
...EXPLORER 45 SATELLITE
...EXPLORER 46 SATELLITE
...EXPLORER 47 SATELLITE
...EXPLORER 48 SATELLITE
...EXPLORER 49 SATELLITE
...EXPLORER 50 SATELLITE
...EXPLORER 51 SATELLITE
...EXPLORER 52 SATELLITE
...EXPLORER 53 SATELLITE
...EXPLORER 54 SATELLITE
...EXPLORER 55 SATELLITE
...EXTREME ULTRAVIOLET EXPLORER SATELLITE
...FAR UV SPECTROSCOPIC EXPLORER
...IMP
...INTERNATIONAL MAGNETOSPHERIC EXPLORER
...INTERNATIONAL SUN EARTH EXPLORERS
....INTERNATIONAL SUN EARTH EXPLORER 1
....INTERNATIONAL SUN EARTH EXPLORER 2
....INTERNATIONAL SUN EARTH EXPLORER 3
...MICROMETEOROID EXPLORER SATELLITES
...RADIO ASTRONOMY EXPLORER SATELLITE
...SOLAR MESOSPHERE EXPLORER
...UHURU SATELLITE
...X RAY TIMING EXPLORER
..GEOPOTENTIAL RESEARCH MISSION
..HAWKEYE SATELLITES
..LONG DURATION EXPOSURE FACILITY
..LZEEBE SATELLITE
..MAGSAT SATELLITES
...MAGSAT A SATELLITE
...MAGSAT B SATELLITE
...MAGSAT 1 SATELLITE
..ORBIS
...ORBIS CAL SATELLITE
..OV-1 SATELLITES
..OV-2 SATELLITES
..OV-3 SATELLITES
..OV-4 SATELLITES
..OV-5 SATELLITES
..SCATHA SATELLITE
..SMALL SCIENTIFIC SATELLITES
..UK SATELLITES
...UK 4 SATELLITE
..UPPER ATMOSPHERE RESEARCH SATELLITE (UARS)
.SCORE SATELLITE
.SEASAT SATELLITES
..SEASAT 1
..SEASAT-B SATELLITE
.SHUTTLE PALLET SATELLITES
.SKYNET SATELLITES
.SNAPSHOT SATELLITE
.SOLAR POWER SATELLITES
.SOLAR RADIATION 1 SATELLITE
.SOLAR RADIATION 3 SATELLITE
.SOVIET SATELLITES
..COSMOS SATELLITES
...COSMOS 2 SATELLITE

...COSMOS 3 SATELLITE
...COSMOS 5 SATELLITE
...COSMOS 6 SATELLITE
...COSMOS 14 SATELLITE
...COSMOS 44 SATELLITE
...COSMOS 54 SATELLITE
...COSMOS 71 SATELLITE
...COSMOS 110 SATELLITE
...COSMOS 137 SATELLITE
...COSMOS 144 SATELLITE
...COSMOS 149 SATELLITE
...COSMOS 166 SATELLITE
...COSMOS 186 SATELLITE
...COSMOS 188 SATELLITE
...COSMOS 206 SATELLITE
...COSMOS 213 SATELLITE
...COSMOS 224 SATELLITE
...COSMOS 225 SATELLITE
...COSMOS 381 SATELLITE
...COSMOS 954 SATELLITE
...COSMOS 1129 SATELLITE
...INTERCOSMOS SATELLITES
..COSMOS 782 SATELLITE
..COSMOS 936 SATELLITE
..MOLNIYA SATELLITES
..PROGNOZ SATELLITES
..PROTON SATELLITES
...PROTON 1 SATELLITE
...PROTON 2 SATELLITE
...PROTON 3 SATELLITE
...PROTON 4 SATELLITE
..RADUGA SATELLITE
..SPUTNIK SATELLITES
...SPUTNIK 1 SATELLITE
...SPUTNIK 2 SATELLITE
...SPUTNIK 3 SATELLITE
...SPUTNIK 4 SATELLITE
...SPUTNIK 5 SATELLITE
..VENERA SATELLITES
...VENERA 2 SATELLITE
...VENERA 3 SATELLITE
...VENERA 4 SATELLITE
...VENERA 5 SATELLITE
...VENERA 6 SATELLITE
...VENERA 7 SATELLITE
...VENERA 8 SATELLITE
...VENERA 9 SATELLITE
...VENERA 10 SATELLITE
...VENERA 11 SATELLITE
...VENERA 12 SATELLITE
.SPACE STATIONS
..COLUMBUS SPACE STATION
..HALO ORBIT SPACE STATION
..MAN TENDED FREE FLYERS
..MIR SPACE STATION
..ORBITING LUNAR STATIONS
..SALYUT SPACE STATION
..SKYLAB 1
..SKYLAB 2
..SKYLAB 3
..SKYLAB 4
..SPACE OPERATIONS CENTER (NASA)
..SPACE STATION FREEDOM
..SPACE STATION POLAR PLATFORMS
.SYNCHRONOUS SATELLITES
..AEROS SATELLITE
..AEROSAT SATELLITES
..ANIK SATELLITES
...ANIK 1
...ANIK 2
...ANIK 3
..GOES SATELLITES
...GOES 1
...GOES 2
...GOES 3
...GOES 4
...GOES 5
...GOES 6
...GOES 7
..MIRANDA SATELLITE
..SIRIO SATELLITE
..STORMSAT SATELLITE
..SYNCHRONOUS EARTH OBSERVATORY SATELLITE
...SMS 1
...SMS 2
..SYNCHRONOUS METEOROLOGICAL SATELLITE
...SMS 1
...SMS 2
..SYNCOM SATELLITES
...EARLY BIRD SATELLITES
...SYNCOM 1 SATELLITE
...SYNCOM 2 SATELLITE
...SYNCOM 3 SATELLITE
..TD SATELLITES
...TD-1 SATELLITE
.TELSTAR SATELLITES
..TELSTAR 1 SATELLITE
..TELSTAR 2 SATELLITE
.TETHERED SATELLITES
.VANGUARD SATELLITES
..VANGUARD 1 SATELLITE
..VANGUARD 2 SATELLITE
..VANGUARD 3 SATELLITE
.VELA SATELLITES
RT FLEXIBLE SPACECRAFT
INFLATABLE SPACECRAFT
INTERPLANETARY SPACECRAFT
LUNAR ORBITS
LUNAR SPACECRAFT
MANEUVERABLE SPACECRAFT
MANNED SPACECRAFT
MILITARY SPACECRAFT
NATIONAL OCEANIC SATELLITE SYSTEM
NATURAL SATELLITES
OBSERVATORIES
ORBITS
RECONNAISSANCE SPACECRAFT
SATELLITE SOUNDING
% SATELLITES
SPACE CAPSULES
SPACE LABORATORIES
TELSTAR PROJECT
UNMANNED SPACECRAFT

ARTILLERY
3302 3401
GS WEAPONS
.GUNS (ORDNANCE)
.#ARTILLERY
...HOWITZERS
RT GUN LAUNCHERS
GUNNERY TRAINING
MISSILES
RIFLES
SABOT PROJECTILES

ARTILLERY FIRE
3401
RT % BARRAGES
GUNFIRE

ARTS
0702
GS #ARTS
.ABILITIES
.GRAPHIC ARTS
..ANIMATION
...COMPUTER ANIMATION
RT CREATIVITY
MUSIC

ARYABHATA
USE INDIAN SPACECRAFT

ARYL COMPOUNDS
USE AROMATIC COMPOUNDS

ASA
USE ACETYLSALICYLIC ACID

ASBESTOS
1805 1806
GS MINERALS

```
        #ASBESTOS
  RT    AMBERLITE (TRADEMARK)
        ELECTRICAL INSULATION
        INSULATION
        NONFLAMMABLE MATERIALS
        SERPENTINE
        THERMAL INSULATION

ASCENT
  0101 3006 3102 3103 3009
  GS   #ASCENT
        .CLIMBING FLIGHT
  RT    BALLOONS
        DESCENT
        LUNAR MODULE ASCENT STAGE
        TAKEOFF

ASCENT PROPULSION SYSTEMS
  2702 2808 3106
  GS    PROPULSION
        #ASCENT PROPULSION SYSTEMS
        PROPULSION SYSTEM CONFIGURATIONS
        #ASCENT PROPULSION SYSTEMS
  RT    LUNAR MODULE
        MISSILES
        PROPELLANTS
        ROCKET PROPELLANTS
        SPACE FLIGHT
        SPACE SHUTTLE ASCENT STAGE
     % SYSTEMS

ASCENT TRAJECTORIES
  0101 1904 3006 3009
  GS    TRAJECTORIES
        #ASCENT TRAJECTORIES
  RT    BALLISTIC TRAJECTORIES
        CLIMBING FLIGHT
        COASTING FLIGHT
        DESCENT TRAJECTORIES
        FLIGHT MECHANICS
        GUIDANCE (MOTION)
        INJECTION GUIDANCE
        LOFTING
        LUNAR MODULE ASCENT STAGE
        MIDCOURSE TRAJECTORIES
        MISSILE TRAJECTORIES
        ORBIT INSERTION
        PARABOLIC FLIGHT
        POST BOOST PROPULSION SYSTEM
        RENDEZVOUS TRAJECTORIES
        SPACECRAFT TRAJECTORIES

ASCORBIC ACID
  0403 0405 0408 1808
  UF    VITAMIN C
  GS    ACIDS
        #ASCORBIC ACID
        ORGANIC COMPOUNDS
        .CYCLIC COMPOUNDS
        ..HETEROCYCLIC COMPOUNDS
        ..#ASCORBIC ACID
        VITAMINS
        #ASCORBIC ACID

ASCORBIC ACID METABOLISM
  0403 0404
  GS    METABOLISM
        #ASCORBIC ACID METABOLISM
  RT    VITAMINS

ASCR REACTOR
  USE   ADVANCED SODIUM COOLED REACTOR

ASDE
  USE   AIRPORT SURFACE DETECTION EQUIPMENT

ASE (AERODYNAMICS)
  USE   AEROSERVOELASTICITY

ASHES
  0505 0602 3301
  GS   #ASHES
        .FLY ASH
  RT    AIR POLLUTION
        COAL
        COMBUSTION PRODUCTS
        CULTIVATION
        FERTILIZERS
        FIRE DAMAGE
        FOREST FIRES
        LIGNITE
        REACTION PRODUCTS
        RESIDUES

ASIA
  1305
  GS    CONTINENTS
        #ASIA
  RT    AFGHANISTAN
        ARMENIA
        AZERBAIJAN
        BANGLADESH
        BRUNEI
        BURMA
        CAMBODIA
        CHINA
        COMMONWEALTH OF INDEPENDENT STATES
        GEORGIA (EURASIA)
        HIMALAYAS
        HONG KONG
        INDIA
        IRAN
        IRAQ
        ISRAEL
        JAPAN
        KAZAKHSTAN
        KUWAIT
        KYRGYZSTAN
        LAOS
        LEBANON
        MALAYSIA
        MONGOLIA
        NATIONS
        NEPAL
        NORTH KOREA
        PAKISTAN
        PAPUA NEW GUINEA
        QATAR
        RED SEA
        RUSSIAN FEDERATION
        SAUDI ARABIA
        SEA OF JAPAN
        SIBERIA
        SIKKIM
        SINGAPORE
        SOUTH KOREA
        SOUTHEAST ASIA
        SOUTHERN YEMEN
        SRI LANKA
        SYRIA
        TAIWAN
        TAJIKISTAN
        THAILAND
        TIBET
        TUNDRA
        TURKMENISTAN
        U.S.S.R.
        UZBEKISTAN
        VIETNAM
        YEMEN

ASIC
  USE   APPLICATION SPECIFIC INTEGRATED
        CIRCUITS

ASPARTATES
  0403 1808
  GS    BIOPOLYMERS
        .PROTEINS
        .#ASPARTATES
        ESTERS
        #ASPARTATES
        ORGANIC COMPOUNDS
        .PROTEINS
        .#ASPARTATES
```

```
  RT   AMINO ACIDS
       ASPARTIC ACID

ASPARTIC ACID
  0403 1808
  GS   ACIDS
       .AMINO ACIDS
       .#ASPARTIC ACID
       .CARBOXYLIC ACIDS
       .#ASPARTIC ACID
       ORGANIC COMPOUNDS
       .AMINO ACIDS
       .#ASPARTIC ACID
       .CARBOXYLIC ACIDS
       .#ASPARTIC ACID
  RT   ASPARTATES
       PEPTIDES

ASPECT RATIO
  0101 0102 0104
  GS   RATIOS
       #ASPECT RATIO
       ..HIGH ASPECT RATIO
       ..LOW ASPECT RATIO
  RT   AERODYNAMIC CHARACTERISTICS
       AIRFOILS
       FINENESS RATIO
       LIFT
     % SPAN
       WINGS

ASPERGILLUS
  0405 0407 0409
  GS   PLANTS (BOTANY)
       .FUNGI
       .#ASPERGILLUS
  RT   INFECTIOUS DISEASES
     % MOLD

ASPHALT
  1802 1805 1808
  GS   PRODUCTS
       .PETROLEUM PRODUCTS
       .#ASPHALT
  RT   AMORPHOUS MATERIALS
       PAVEMENTS
       PITCH (MATERIAL)
       TARS

ASPHALTENES
  1808
  RT   COAL
       COAL DERIVED LIQUIDS
       COAL LIQUEFACTION
       HYDROGENATION

ASPHERICITY
  1407 2310 3408
  RT   ABERRATION
       GEOMETRICAL OPTICS
     % OPTICS
       REFRACTION
       SPHERES

ASPHYXIA
  0401 0405 0506 0507
  RT   ANOXIA
       RESPIRATION
       SIGNS AND SYMPTOMS

ASPIRATION
  USE  VACUUM

ASRM (STS)
  USE  ADVANCED SOLID ROCKET MOTOR (STS)

ASROC ENGINE
  2808
  GS   ENGINES
       .ROCKET ENGINES
       ..SOLID PROPELLANT ROCKET ENGINES
       ..#ASROC ENGINE
  RT   ANTISUBMARINE WARFARE
       TORPEDOES

ASSATEAGUE ISLAND (MD-VA)
  1305
  GS   LANDFORMS
       .ISLANDS
       .#ASSATEAGUE ISLAND (MD-VA)
  RT   ATLANTIC OCEAN
       MARYLAND
       VIRGINIA

ASSAULTING
  USE  ATTACKING (ASSAULTING)

ASSAYING
  0601 1701 1704 1806
  RT   CHEMICAL ANALYSIS
       IMMUNOASSAY
       MARS SURFACE SAMPLES
       PARTICULATE SAMPLING
       RADIOIMMUNOASSAY
       SAMPLING

ASSEMBLER ROUTINES
  0802
  GS   COMPUTER PROGRAMMING
       #ASSEMBLER ROUTINES
       COMPUTER PROGRAMS
       .COMPUTER SYSTEMS PROGRAMS
       .#ASSEMBLER ROUTINES
  RT   COMPILERS
       DISK OPERATING SYSTEM (DOS)
       OPERATING SYSTEMS (COMPUTERS)

ASSEMBLIES
  1507
  GS  #ASSEMBLIES
       .SUBASSEMBLIES
       .TAIL ASSEMBLIES
       ..SWING TAIL ASSEMBLIES
  RT   ACCUMULATIONS
       ASSEMBLING
     % ASSEMBLY
       COLLOCATION
     % COMPONENTS
       FABRICATION
       MOSAICS
       STRINGS

ASSEMBLING
  1106 3501
  GS  #ASSEMBLING
       .ORBITAL ASSEMBLY
  RT   ASSEMBLIES
     % ASSEMBLY
     % ATTACHMENT
       CLEAN ROOMS
       COLLECTION
       CONSTRUCTION
       FABRICATION
       FITTING
       INSTALLING
     % JOINING
       MOUNTING
       PREPARATION
       RIGGING
       SPACE MANUFACTURING

% ASSEMBLY
  3404
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   ASSEMBLIES
       ASSEMBLING
       COLLOCATION

ASSEMBLY LANGUAGE
  0802
  GS   LANGUAGES
       .PROGRAMMING LANGUAGES
       .#ASSEMBLY LANGUAGE
```

```
        ...AUTOCODERS
        ...COMPASS (PROGRAMMING LANGUAGE)
        ...MAP (PROGRAMMING LANGUAGE)
  RT    COMPUTER PROGRAMMING
        COMPUTER PROGRAMS
        COMPUTER SYSTEMS PROGRAMS
        MACHINE ORIENTED LANGUAGES

ASSESS PROGRAM
  3406
  UF    SPACELAB SIMULATION FLIGHTS
  GS    PROGRAMS
        .NASA PROGRAMS
        .#ASSESS PROGRAM
  RT    SPACE SHUTTLES

ASSESSMENTS
  3402 3403 3404 3406 3407
  GS   #ASSESSMENTS
        .DAMAGE ASSESSMENT
        .TECHNOLOGY ASSESSMENT
  RT    EVALUATION
        RATINGS
        REVENUE
        VALUE

ASSET GLIDERS
  0101 0205 3110 3304
  GS    GLIDERS
        #ASSET GLIDERS
  RT %  AIRCRAFT
        HYPERSONIC GLIDERS
        LIFTING REENTRY VEHICLES

ASSET PROJECT
  3409
  GS    PROGRAMS
        .PROJECTS
        .#ASSET PROJECT
  RT    AEROTHERMODYNAMICS
        ENVIRONMENTAL TESTS

ASSIGNMENT
  USE   ALLOCATIONS

ASSIMILATION
  0401 0403 0404 0408 0412 0501 0507
  RT    DISPERSING
        DISTRIBUTING
      % DISTRIBUTION
        MATERIAL ABSORPTION

ASSOCIATION REACTIONS
  1501 3009
  GS    CHEMICAL REACTIONS
        #ASSOCIATION REACTIONS
        GAS-GAS INTERACTIONS
        #ASSOCIATION REACTIONS
  RT    ASTROPHYSICS
        CHEMICAL EQUILIBRIUM
        CONDENSING
        ENDOTHERMIC REACTIONS
        EXOTHERMIC REACTIONS
        INTERSTELLAR CHEMISTRY
        MOLECULAR GASES
        MOLECULAR INTERACTIONS
        OXIDATION
        PHOTOCHEMICAL REACTIONS
        PHOTOOXIDATION
        REACTION KINETICS
        VAPOR PHASES

ASSOCIATIONS
  USE   ORGANIZATIONS

ASSOCIATIVE PROCESSING (COMPUTERS)
  0802
  GS    DATA PROCESSING
        #ASSOCIATIVE PROCESSING (COMPUTERS)
  RT    DIGITAL COMPUTERS
        MULTIPROCESSING (COMPUTERS)
        PARALLEL PROCESSING (COMPUTERS)
        PIPELINING (COMPUTERS)
      % PROCESSING

ASSUMPTIONS
  1902 2311 3407
  RT    HYPOTHESES
        INFERENCE
        RISK
        SIMPLIFICATION
      % THEORIES

ASSURANCE
  3401 3404 3407
  RT    INSURANCE (CONTRACTS)
        QUALITY CONTROL
        REDUNDANCY
        RELIABILITY

ASTATINE
  0603 1807
  GS    CHEMICAL ELEMENTS
        .HALOGENS
        .#ASTATINE
        METALS
        #ASTATINE

ASTATINE ISOTOPES
  1703 2406
  GS    CHEMICAL ELEMENTS
        .NUCLIDES
        ..ISOTOPES
        ...RADIOACTIVE ISOTOPES
        ...#ASTATINE ISOTOPES
        METALS
        #ASTATINE ISOTOPES

ASTEC SOLAR TURBOELECTRIC GENERATOR
  0301 2201
  GS    AUXILIARY POWER SOURCES
        .SOLAR AUXILIARY POWER UNITS
        .#ASTEC SOLAR TURBOELECTRIC
          GENERATOR
        ELECTRIC GENERATORS
        .ROTATING GENERATORS
        ..TURBOGENERATORS
        ..#ASTEC SOLAR TURBOELECTRIC
           GENERATOR
        .SOLAR GENERATORS
        ..SOLAR AUXILIARY POWER UNITS
        ..#ASTEC SOLAR TURBOELECTRIC
           GENERATOR
        TURBOMACHINERY
        .TURBOGENERATORS
        .#ASTEC SOLAR TURBOELECTRIC
          GENERATOR
  RT    RANKINE CYCLE
        SUN
        THERMOELECTRIC GENERATORS

ASTEROID BELTS
  1901 3009
  GS    CELESTIAL BODIES
        #ASTEROID BELTS
        ..ASTEROIDS
        ...AMOR ASTEROID
        ...AMPHITRITE ASTEROID
        ...APOLLO ASTEROIDS
        ...CERES ASTEROID
        ...CHIRON
        ...ICARUS ASTEROID
        ...TORO ASTEROID
        ...VESTA ASTEROID
  RT %  BELTS
        METEOROIDS
        REGIONS
        SOLAR SYSTEM
        SPACE DEBRIS

ASTEROID CAPTURE
  3407 3009
  RT    ASTEROIDS
        CELESTIAL BODIES
        CONTAINMENT
```

```
        ENCLOSURES
        PAYLOADS
        RETAINING
        SOLAR SYSTEM

ASTEROID MISSIONS
  3001
  GS    SPACE MISSIONS
        .FLYBY MISSIONS
        .#ASTEROID MISSIONS
        ...COMET RENDEZVOUS ASTEROID FLYBY
           MISSION
  RT    ASTEROIDS
        INTERPLANETARY FLIGHT
      % MISSIONS
        SPACE EXPLORATION

ASTEROIDS
  1901 3001 3008
  UF    MINOR PLANETS
  GS    CELESTIAL BODIES
        .ASTEROID BELTS
        .#ASTEROIDS
        ...AMOR ASTEROID
        ...AMPHITRITE ASTEROID
        ...APOLLO ASTEROIDS
        ...CERES ASTEROID
        ...CHIRON
        ...ICARUS ASTEROID
        ...TORO ASTEROID
        ...VESTA ASTEROID
  RT    ASTEROID CAPTURE
        ASTEROID MISSIONS
        METEOROIDS
        SOLAR SYSTEM
        SPACE DEBRIS

ASTHENOPIA
  0401 0408
  GS    DISEASES
        .EYE DISEASES
        .#ASTHENOPIA
  RT    FATIGUE (BIOLOGY)

ASTHMA
  0405 0408
  GS    DISEASES
        .RESPIRATORY DISEASES
        .#ASTHMA

ASTIGMATISM
  0408 2310 0405 0408
  GS    DISEASES
        .EYE DISEASES
        .#ASTIGMATISM
  RT    DISTORTION
        FOCUSING
        GEOMETRICAL OPTICS
        HAPLOSCOPES
        LENSES
      % OPTICS
        REFRACTION
        STIGMATISM

ASTP
  USE   APOLLO SOYUZ TEST PROJECT

ASTRIONICS
  2103 3004 3007 3009 3104
  RT % ASTRONAUTICS
        AVIONICS
      % CONTROL
      % ELECTRONICS
        GUIDANCE (MOTION)
        SATELLITE COMMUNICATION
        SINGLE EVENT UPSETS
        SPACECRAFT COMMUNICATION
        SPACECRAFT ELECTRONIC EQUIPMENT
        SPACECRAFT INSTRUMENTS
      % TEST EQUIPMENT

ASTRO MISSIONS (STS)
  3107 3009
  GS    PAYLOADS
        .SPACE SHUTTLE PAYLOADS
        .#ASTRO MISSIONS (STS)
  RT % MISSIONS
        SPACEBORNE ASTRONOMY
        SPACEBORNE TELESCOPES
        SPACELAB PAYLOADS

ASTRO VEHICLE
  0706 2104 3107
  SN    (EXCLUDES STS)
  GS    MANEUVERABLE SPACECRAFT
        #ASTRO VEHICLE
        MANNED SPACECRAFT
        #ASTRO VEHICLE
        REENTRY VEHICLES
        .RECOVERABLE SPACECRAFT
        .#ASTRO VEHICLE
        SOFT LANDING SPACECRAFT
        #ASTRO VEHICLE
  RT    AEROSPACE PLANES
        BOOSTGLIDE VEHICLES
        FERRY SPACECRAFT
        LIFTING REENTRY VEHICLES
      % SPACECRAFT

ASTROBEE ROCKET VEHICLES
  3106 3108 3110
  GS    ROCKET VEHICLES
        .MULTISTAGE ROCKET VEHICLES
        .#ASTROBEE ROCKET VEHICLES
        ...ASTROBEE 1500 ROCKET VEHICLE
        .SOUNDING ROCKETS
        .#ASTROBEE ROCKET VEHICLES
        ...ASTROBEE 1500 ROCKET VEHICLE
  RT    GENIE ROCKET VEHICLE
        SOLID PROPELLANT ROCKET ENGINES
      % VEHICLES

ASTROBEE 1500 ROCKET VEHICLE
  3106 3108 3110
  GS    ROCKET VEHICLES
        .MULTISTAGE ROCKET VEHICLES
        ..ASTROBEE ROCKET VEHICLES
        ..#ASTROBEE 1500 ROCKET VEHICLE
        .SOUNDING ROCKETS
        ..ASTROBEE ROCKET VEHICLES
        ..#ASTROBEE 1500 ROCKET VEHICLE
  RT    SOLID PROPELLANT ROCKET ENGINES

ASTROBIOLOGY
  USE   EXOBIOLOGY

ASTRODYNAMICS
  1901 1904 3002 3006 3404
  GS    CLASSICAL MECHANICS
        .SPACE MECHANICS
        .#ASTRODYNAMICS
  RT % ASTRONAUTICS
        ASTRONOMICAL OBSERVATORIES
        CELESTIAL BODIES
        CELESTIAL MECHANICS
      % DYNAMICS
        INTERPLANETARY FLIGHT
        ORBITAL MECHANICS
        ORBITAL RESONANCES (CELESTIAL
        MECHANICS)
        ORBITS
      % SCIENCE
        SPACE EXPLORATION
        SPACE FLIGHT
        SPACE NAVIGATION
      % SPACECRAFT
        TRAJECTORY ANALYSIS

ASTROGRAPHY
  1901 3001
  SN    (EXCLUDES ASTRONOMICAL PHOTOGRAPHY)
  RT    ASTRONOMICAL MAPS
        MAPPING
        PLANETARY MAPPING
```

```
ASTROGUIDE NAVIGATION SYSTEM
  2103
  GS    NAVIGATION
        .CELESTIAL NAVIGATION
        .#ASTROGUIDE NAVIGATION SYSTEM
        .INERTIAL NAVIGATION
        .#ASTROGUIDE NAVIGATION SYSTEM
  RT    INERTIAL COORDINATES
        STAR TRACKERS
      % SYSTEMS

ASTROLABES
  3001
  GS    MEASURING INSTRUMENTS
        .INDICATING INSTRUMENTS
        .#ASTROLABES
  RT    ALTIMETERS
        ASTROMETRY
        ASTRONOMICAL OBSERVATORIES
        ASTRONOMY
        CELESTIAL BODIES
        POSITION (LOCATION)
        POSITION ERRORS
        SOLAR POSITION
        STAR DISTRIBUTION
        STAR TRACKERS
        STARS

ASTROLOY (TRADEMARK)
  1701
  GS    ALLOYS
        .CHROMIUM ALLOYS
        .#ASTROLOY (TRADEMARK)
        .COBALT ALLOYS
        .#ASTROLOY (TRADEMARK)
        .HIGH STRENGTH ALLOYS
        .#ASTROLOY (TRADEMARK)
        .NICKEL ALLOYS
        .#ASTROLOY (TRADEMARK)
        .TERNARY ALLOYS
        .#ASTROLOY (TRADEMARK)

ASTROMASTS
  USE   LONGERONS

ASTROMETRY
  1901 3001
  RT    ASTROLABES
        ASTRONOMICAL MAPS
        ASTRONOMICAL PHOTOGRAPHY
        ASTRONOMICAL POLARIMETRY
        ASTRONOMY
        DOUBLE STARS
        HIPPARCOS SATELLITE
      % MEASUREMENT
        PARALLAX
        SOLAR DIAMETER
        STELLAR PARALLAX

ASTRON THERMONUCLEAR REACTOR
  2204 2205
  GS    NUCLEAR REACTORS
        #ASTRON THERMONUCLEAR REACTOR
  RT    RELATIVISTIC PLASMAS
        THERMONUCLEAR POWER GENERATION
        THERMONUCLEAR REACTIONS

ASTRONAUT LOCOMOTION
  0502 0506 3104
  GS    LOCOMOTION
        #ASTRONAUT LOCOMOTION
  RT    EXTRAVEHICULAR ACTIVITY
        EXTRAVEHICULAR MOBILITY UNITS
        INTRAVEHICULAR ACTIVITY
        LIFE SUPPORT SYSTEMS
        MAN OPERATED PROPULSION SYSTEMS
        MANNED MANEUVERING UNITS
        ORBITAL WORKERS

ASTRONAUT MANEUVERING EQUIPMENT
  0303 0502 0506
  GS   #ASTRONAUT MANEUVERING EQUIPMENT
        .MANNED MANEUVERING UNITS
  RT    EXTRAVEHICULAR ACTIVITY
        EXTRAVEHICULAR MOBILITY UNITS
        HUMAN FACTORS ENGINEERING
        IMLSS
        INTRAVEHICULAR ACTIVITY
        SELF MANEUVERING UNITS
        WALKING MACHINES

ASTRONAUT PERFORMANCE
  0401 0502 3104
  GS    HUMAN PERFORMANCE
        #ASTRONAUT PERFORMANCE
        ..BLACKOUT PREVENTION
  RT    CONFINEMENT
        CONFINING
        HUMAN FACTORS ENGINEERING
        INTRAVEHICULAR ACTIVITY
        MAN MACHINE SYSTEMS
        OPERATOR PERFORMANCE
      % PERFORMANCE
        PHYSIOLOGICAL FACTORS
        PILOT PERFORMANCE
        PSYCHOLOGICAL FACTORS
        SPACE PSYCHOLOGY
        SPACECRAFT PERFORMANCE
        WEIGHTLESSNESS

ASTRONAUT TRAINING
  0502 3104
  GS    EDUCATION
        #ASTRONAUT TRAINING
        LEARNING
        #ASTRONAUT TRAINING
  RT    EJECTION TRAINING
        FLIGHT TRAINING
        PILOT TRAINING
        SPACE FLIGHT TRAINING
        SPACE MAINTENANCE
        SPACE PSYCHOLOGY
        TRAINING SIMULATORS

% ASTRONAUTICS
  3009
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    AEROSPACE ENVIRONMENTS
        ARTIFICIAL GRAVITY
        ASTRIONICS
        ASTRODYNAMICS
        ASTRONAUTS
        ASTRONOMY
        AUXILIARY PROPULSION
        AVIONICS
        BIOASTRONAUTICS
        BIOSATELLITE 3
        COSMONAUTS
        EARTH-VENUS TRAJECTORIES
        HUMAN FACTORS ENGINEERING
        LUNAR BASES
        PROPULSION
        SOFT LANDING
        SPACE EXPLORATION
        SPACE FLIGHT
        SPACE MAINTENANCE
        SPACE NAVIGATION
        SPACECRAFT DOCKING
        WEIGHTLESSNESS

ASTRONAUTS
  0401 0402 0502 0506 3104 3110
  GS    PERSONNEL
        .FLYING PERSONNEL
        .#ASTRONAUTS
        ...ORBITAL WORKERS
  RT  % ASTRONAUTICS
        AWARDS
        COSMONAUTS
        CREW EXPERIMENT STATIONS
        CREW OBSERVATION STATIONS
        CREW WORKSTATIONS
        CREWS
```

PILOTS (PERSONNEL)
SPACECREWS

ASTRONAVIGATION
2103 3001 3009 3104
GS NAVIGATION
.CELESTIAL NAVIGATION
.#ASTRONAVIGATION
RT AIR NAVIGATION
INTERPLANETARY NAVIGATION
INTERSTELLAR TRAVEL
RADIO NAVIGATION
SPACE NAVIGATION

ASTRONOMICAL CATALOGS
3001 3405
UF STAR CATALOGS
GS DOCUMENTS
.CATALOGS (PUBLICATIONS)
.#ASTRONOMICAL CATALOGS
RT % CATALOGS
CLASSIFICATIONS
EPHEMERIDES
NORTHERN SKY
SKY SURVEYS (ASTRONOMY)
SOUTHERN SKY
TABLES (DATA)

ASTRONOMICAL COORDINATES
1304 1309 2103 3001
GS COORDINATES
#ASTRONOMICAL COORDINATES
RT AZIMUTH
CELESTIAL REFERENCE SYSTEMS
CYLINDRICAL COORDINATES
GEOCENTRIC COORDINATES
NORTHERN SKY
PLANETOCENTRIC COORDINATES
PLANISPHERES
POLAR COORDINATES
REFERENCE STARS
SOLAR LONGITUDE
SPHERICAL COORDINATES

ASTRONOMICAL INTERFEROMETRY
3001 3002
GS INTERFEROMETRY
#ASTRONOMICAL INTERFEROMETRY
RT ASTRONOMY
ETALONS
INFRARED INTERFEROMETERS
INTERFEROMETERS
RADIO ASTRONOMY
SAGNAC EFFECT
SPACE OBSERVATIONS (FROM EARTH)
SPACEBORNE ASTRONOMY
VERY LONG BASE INTERFEROMETRY

ASTRONOMICAL MAPS
1304 1309 2103 3001
GS MAPS
#ASTRONOMICAL MAPS
..PLANISPHERES
RT ASTROGRAPHY
ASTROMETRY
CELESTIAL REFERENCE SYSTEMS
CELESTIAL SPHERE
LUNAR MAPS

ASTRONOMICAL MODELS
3001 3009
UF ORRERIES
GS MODELS
#ASTRONOMICAL MODELS
..DENSITY WAVE MODEL
..STELLAR MODELS
RT BIG BANG COSMOLOGY
COROTATION
COSMOLOGY
MATHEMATICAL MODELS
MOLECULAR CLOUDS
PLANETARIUMS
REISSNER-NORDSTROM SOLUTION
SOLAR NEUTRINOS
SOLAR OSCILLATIONS
STELLAR OSCILLATIONS

ASTRONOMICAL NETHERLANDS SATELLITE
3001 3107 3409
UF ANS
GS OBSERVATORIES
.ASTRONOMICAL OBSERVATORIES
..ASTRONOMICAL SATELLITES
..#ASTRONOMICAL NETHERLANDS SATELLITE
RT NETHERLANDS
NETHERLANDS SPACE PROGRAM

ASTRONOMICAL OBSERVATORIES
1106 1412 3001 3009
GS OBSERVATORIES
#ASTRONOMICAL OBSERVATORIES
..ASTRONOMICAL SATELLITES
...ASTRONOMICAL NETHERLANDS SATELLITE
...GAMMA RAY OBSERVATORY
...GINGA SATELLITE
...HEAO
....HEAO 1
....HEAO 2
....HEAO 3
...HUBBLE SPACE TELESCOPE
...INFRARED ASTRONOMY SATELLITE
...INFRARED SPACE OBSERVATORY (ISO)
...IUE
...LARGE DEPLOYABLE REFLECTOR
...MAGELLAN ULTRAVIOLET ASTRONOMY SATELLITE
...OAO
....OAO 1
....OAO 2
....OAO 3
...OSO
....AOSO
....OSO-1
....OSO-2
....OSO-3
....OSO-4
....OSO-5
....OSO-6
....OSO-7
....OSO-8
...QUASAT
...SAS
....EXPLORER 53 SATELLITE
....SAS-1
....SAS-2
....SAS-3
...SPACE INFRARED TELESCOPE FACILITY
...SPARTAN SATELLITES
...TENMA SATELLITE
...X RAY ASTROPHYSICS FACILITY
..ASTROPLANE
..ROSAT MISSION
..SOFIA (AIRBORNE OBSERVATORY)
RT ASTRODYNAMICS
ASTROLABES
ASTRONOMY
CELESTIAL BODIES
GEOPHYSICAL OBSERVATORIES
JODRELL BANK OBSERVATORY
LUNAR OBSERVATORIES
NORTHERN SKY
RADIO ASTRONOMY
SEEING (ASTRONOMY)
SOUTHERN SKY
SPACEBORNE TELESCOPES
TELESCOPES

ASTRONOMICAL PHOTOGRAPHY
1407 1412 3001 3009
GS IMAGERY
#ASTRONOMICAL PHOTOGRAPHY
PHOTOGRAPHY

#ASTRONOMICAL PHOTOGRAPHY
RT AERIAL PHOTOGRAPHY
ASTROMETRY
ASTRONOMY
ATMOSPHERIC WINDOWS
BAKER-NUNN CAMERA
BLACK AND WHITE PHOTOGRAPHY
CORONAGRAPHS
DIFFRACTION LIMITED CAMERAS
ELECTRO-OPTICAL PHOTOGRAPHY
FAINT OBJECT CAMERA
INFRARED ASTRONOMY
INFRARED PHOTOGRAPHY
LALLEMAND CAMERAS
LUNAR PHOTOGRAPHS
LUNAR PHOTOGRAPHY
REFERENCE STARS
ROCKET-BORNE PHOTOGRAPHY
SATELLITE-BORNE PHOTOGRAPHY
SCHMIDT CAMERAS
SOUTHERN SKY
SPACEBORNE PHOTOGRAPHY
SPACEBORNE TELESCOPES

ASTRONOMICAL PHOTOMETRY
0605 1411 2306 3001
GS OPTICAL MEASUREMENT
.PHOTOMETRY
.#ASTRONOMICAL PHOTOMETRY
...STELLAR SPECTROPHOTOMETRY
RT ATMOSPHERIC WINDOWS
BLINKING
COMETARY ATMOSPHERES
DIAL SATELLITE
INFRARED PHOTOMETRY
SPECTROPHOTOMETRY
TELEPHOTOMETRY

ASTRONOMICAL POLARIMETRY
1406 2310 3001
GS OPTICAL MEASUREMENT
.POLARIMETRY
.#ASTRONOMICAL POLARIMETRY
RT ASTROMETRY
ASTRONOMY
POLARIMETERS

ASTRONOMICAL SATELLITES
1901 3009
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
.#ASTRONOMICAL SATELLITES
...GAMMA RAY OBSERVATORY
...GINGA SATELLITE
...HUBBLE SPACE TELESCOPE
...LARGE DEPLOYABLE REFLECTOR
...SPACE INFRARED TELESCOPE FACILITY
...TENMA SATELLITE
...X RAY ASTROPHYSICS FACILITY
OBSERVATORIES
.ASTRONOMICAL OBSERVATORIES
.#ASTRONOMICAL SATELLITES
...ASTRONOMICAL NETHERLANDS SATELLITE
...GAMMA RAY OBSERVATORY
...GINGA SATELLITE
...HEAO
....HEAO 1
....HEAO 2
....HEAO 3
...HUBBLE SPACE TELESCOPE
...INFRARED ASTRONOMY SATELLITE
...INFRARED SPACE OBSERVATORY (ISO)
...IUE
...LARGE DEPLOYABLE REFLECTOR
...MAGELLAN ULTRAVIOLET ASTRONOMY SATELLITE
...OAO
....OAO 1
....OAO 2
....OAO 3
...OSO
....AOSO
....OSO-1
....OSO-2
....OSO-3
....OSO-4
....OSO-5
....OSO-6
....OSO-7
....OSO-8
...QUASAT
...SAS
....EXPLORER 53 SATELLITE
....SAS-1
....SAS-2
....SAS-3
...SPACE INFRARED TELESCOPE FACILITY
...SPARTAN SATELLITES
...TENMA SATELLITE
...X RAY ASTROPHYSICS FACILITY
RT ROSAT MISSION
SPACEBORNE ASTRONOMY

ASTRONOMICAL SPECTROSCOPY
1411 2402 2901 2902 2903 3001 3002
GS SPECTROSCOPY
#ASTRONOMICAL SPECTROSCOPY
RT ASTRONOMY
CONTINUOUS SPECTRA
ELECTROMAGNETIC SPECTRA
INFRARED SPECTROSCOPY
KUIPER AIRBORNE OBSERVATORY
ORGANIC SOLIDS
RADIAL VELOCITY
RADIATION SPECTRA
RADIO ASTRONOMY
RADIO SPECTROSCOPY
RAMAN SPECTROSCOPY
SOLAR SPECTRA
SOUTHERN SKY
SPECTRA
SPECTROSCOPIC TELESCOPES
STELLAR SPECTRA
ULTRAVIOLET SPECTROSCOPY
VISIBLE SPECTRUM
X RAY SPECTROSCOPY

ASTRONOMICAL TELESCOPES
USE TELESCOPES

ASTRONOMY
3001
UF CELESTIAL OBSERVATION
GS #ASTRONOMY
.GAMMA RAY ASTRONOMY
.INFRARED ASTRONOMY
.RADAR ASTRONOMY
.RADIO ASTRONOMY
.SPACEBORNE ASTRONOMY
.ULTRAVIOLET ASTRONOMY
.X RAY ASTRONOMY
RT % AEROSPACE SCIENCES
AMOR ASTEROID
APOLLO ASTEROIDS
ASTROLABES
ASTROMETRY
% ASTRONAUTICS
ASTRONOMICAL INTERFEROMETRY
ASTRONOMICAL OBSERVATORIES
ASTRONOMICAL PHOTOGRAPHY
ASTRONOMICAL POLARIMETRY
ASTRONOMICAL SPECTROSCOPY
ASTROPHYSICS
CELESTIAL BODIES
CELESTIAL MECHANICS
EARTH LIMB
HALOS
INFRARED SOURCES (ASTRONOMY)
INFRARED TELESCOPES
MASS TO LIGHT RATIOS
METEOROID SHOWERS
MISSING MASS (ASTROPHYSICS)

% PHYSICAL SCIENCES
RELIC RADIATION
% SCIENCE
SEEING (ASTRONOMY)
SELENOLOGY
SIDEREAL TIME
SKY SURVEYS (ASTRONOMY)
SOLAR NEIGHBORHOOD
SOLAR PARALLAX
SOUTHERN SKY
SPACEBORNE TELESCOPES
STELLAR MAGNITUDE
STELLAR MODELS
STELLAR OSCILLATIONS
TELESCOPES

ASTROPHYSICS
3002
UF GEOASTROPHYSICS
GS #ASTROPHYSICS
.COMPUTATIONAL ASTROPHYSICS
.NUCLEAR ASTROPHYSICS
.STELLAR PHYSICS
..SOLAR PHYSICS
RT ACCRETION DISKS
ASSOCIATION REACTIONS
ASTRONOMY
BRIGHTNESS DISTRIBUTION
BRIGHTNESS TEMPERATURE
CELESTIAL BODIES
CELESTIAL MECHANICS
COSMOLOGY
DEGENERATE MATTER
DENSE PLASMAS
DISK GALAXIES
GALACTIC EVOLUTION
GAMMA RAY ASTRONOMY
GEOPHYSICS
GRAND UNIFIED THEORY
GRAVITATIONAL COLLAPSE
HELIOSEISMOLOGY
INTERSTELLAR EXTINCTION
MAGNETIC FIELD CONFIGURATIONS
MASS TO LIGHT RATIOS
MICHELSON INTERFEROMETERS
MISSING MASS (ASTROPHYSICS)
NAKED SINGULARITIES
ORION NEBULA
% PHYSICS
PLANETARY ROTATION
RADIO INTERFEROMETERS
RADIO JETS (ASTRONOMY)
RELIC RADIATION
% SCIENCE
SOLAR NEUTRINOS
SPARTAN SATELLITES
SPIN TEMPERATURE
STAR FORMATION
STELLAR CORES
STELLAR ENVELOPES
STELLAR EVOLUTION
STELLAR INTERIORS
STELLAR OSCILLATIONS
THEORETICAL PHYSICS
WOLF-RAYET STARS
X RAY ASTROPHYSICS FACILITY
X RAY BINARIES

ASTROPLANE
3110 3009
SN (LIMITED TO THE EUROPEAN AIRBORNE ASTRONOMICAL OBSERVATORY)
GS OBSERVATORIES
.ASTRONOMICAL OBSERVATORIES
.#ASTROPLANE
RT A-300 AIRCRAFT
AIRBORNE EQUIPMENT
INFRARED TELESCOPES

ASYMMETRY
1902 2311 3203
UF DISSYMMETRY
RT ANTISYMMETRY
DEVIATION
DISTORTION
ECCENTRICITY
SHAPES
SKEWNESS
SYMMETRY
VARIATIONS

ASYMPTOTES
1902
GS ANALYSIS (MATHEMATICS)
.REAL VARIABLES
.#ASYMPTOTES
FUNCTIONS (MATHEMATICS)
#ASYMPTOTES
RT ANALYTIC GEOMETRY
ASYMPTOTIC PROPERTIES
ASYMPTOTIC SERIES
CALCULUS
NUMERICAL ANALYSIS

ASYMPTOTIC GIANT BRANCH STARS
3001 3002 3003
UF AGB STARS
GS CELESTIAL BODIES
.STARS
..GIANT STARS
..#ASYMPTOTIC GIANT BRANCH STARS
RT CARBON STARS
COLOR-MAGNITUDE DIAGRAM
HERTZSPRUNG-RUSSELL DIAGRAM
LATE STARS
M STARS
MIRA VARIABLES
RED GIANT STARS
S STARS
STELLAR EVOLUTION
STELLAR MASS EJECTION

ASYMPTOTIC METHODS
1902 1903
GS PROBLEM SOLVING
#ASYMPTOTIC METHODS
RT ASYMPTOTIC PROPERTIES
ITERATIVE SOLUTION
LEARNING CURVES
% METHODOLOGY

ASYMPTOTIC PROPERTIES
1902
RT ASYMPTOTES
ASYMPTOTIC METHODS
ASYMPTOTIC SERIES
DIFFERENTIAL EQUATIONS
INTEGRAL EQUATIONS
MATHEMATICAL MODELS
NORMALITY

ASYMPTOTIC SERIES
1902 1903
GS ANALYSIS (MATHEMATICS)
.CALCULUS
..SERIES (MATHEMATICS)
..#ASYMPTOTIC SERIES
.REAL VARIABLES
..SERIES (MATHEMATICS)
..#ASYMPTOTIC SERIES
RT ASYMPTOTES
ASYMPTOTIC PROPERTIES
SERIES EXPANSION

ASYNCHRONOUS MOTORS
0904 1504
GS MOTORS
.ELECTRIC MOTORS
.#ASYNCHRONOUS MOTORS
RT INDUCTION MOTORS
SYNCHRONOUS MOTORS

ATARS
USE AUTOMATIC TRAFFIC ADVISORY AND RESOLUTION

```
ATAXIA
  0405
  GS   DISEASES
       #ATAXIA
  RT   MUSCLES

ATAXITE
  1806
  GS   ROCKS
       #ATAXITE
  RT   BRECCIA
       SOILS

ATCHAFALAYA RIVER BASIN (LA)
  1306 1308
  GS   LANDFORMS
       .STRUCTURAL BASINS
       ..RIVER BASINS
       ..#ATCHAFALAYA RIVER BASIN (LA)
  RT   LOUISIANA
       RIVERS

ATELECTASIS
  0405
  GS   DISEASES
       #ATELECTASIS
  RT   LUNGS

ATF
  USE  F-22 AIRCRAFT

ATHENA ROCKET VEHICLE
  2003 3106 3108
  GS   ROCKET VEHICLES
       .MULTISTAGE ROCKET VEHICLES
       .#ATHENA ROCKET VEHICLE
  RT   BE-3 ENGINE
       REENTRY VEHICLES
       SOLID PROPELLANT ROCKET ENGINES

ATHEROSCLEROSIS
  USE  ARTERIOSCLEROSIS

ATHLETES
  0401 0404 0408 0502 0506 3406
  RT   COMPETITION
       PHYSICAL EXERCISE
       PHYSICAL FITNESS
       SPORTS MEDICINE

ATHODYDS
  USE  RAMJET ENGINES

ATLANTA (GA)
  1305
  GS   CITIES
       #ATLANTA (GA)
  RT   GEORGIA

ATLANTIC AIRCRAFT
  USE  BREGUET 1150 AIRCRAFT

ATLANTIC OCEAN
  1305 1310
  GS   OCEANS
       #ATLANTIC OCEAN
  RT   ASSATEAGUE ISLAND (MD-VA)
       AZORES
       BERMUDA
       BLOCK ISLAND SOUND (RI)
       CAPE HATTERAS (NC)
       CAPE VERDE
       DELAWARE BAY (US)
       ENGLISH CHANNEL
       GARP ATLANTIC TROPICAL EXPERIMENT
       GULF STREAM
       LESSER ANTILLES
       LOMONOSOV CURRENT
       LONG ISLAND (NY)
       MID-OCEAN RIDGES
       OUTER BANKS (NC)
       SARGASSO SEA
       WALLOPS ISLAND
       WEST INDIES

ATLANTIS (ORBITER)
  3107 0205
  UF   SPACE SHUTTLE ORBITER 104
  GS   MANNED SPACECRAFT
       .SPACE SHUTTLE ORBITERS
       .#ATLANTIS (ORBITER)
       REENTRY VEHICLES
       .RECOVERABLE SPACECRAFT
       ..REUSABLE SPACECRAFT
       ...SPACE SHUTTLE ORBITERS
       ...#ATLANTIS (ORBITER)
  RT   MANNED SPACE FLIGHT
       SPACE SHUTTLE MISSION 51-H
       SPACE SHUTTLE MISSION 51-J
       SPACE SHUTTLE MISSION 61-B
     % SPACECRAFT

ATLAS ABLE 5 LAUNCH VEHICLE
  3103
  GS   LAUNCH VEHICLES
       .ATLAS LAUNCH VEHICLES
       .#ATLAS ABLE 5 LAUNCH VEHICLE
       ROCKET VEHICLES
       .MULTISTAGE ROCKET VEHICLES
       ..ATLAS LAUNCH VEHICLES
       ..#ATLAS ABLE 5 LAUNCH VEHICLE
  RT   LUNAR PROBES
       SPACE PROBES

ATLAS AGENA B LAUNCH VEHICLE
  3103
  GS   LAUNCH VEHICLES
       .ATLAS LAUNCH VEHICLES
       .#ATLAS AGENA B LAUNCH VEHICLE
       ROCKET VEHICLES
       .MULTISTAGE ROCKET VEHICLES
       ..ATLAS LAUNCH VEHICLES
       ..#ATLAS AGENA B LAUNCH VEHICLE
  RT   AGENA ROCKET VEHICLES
       MARINER 2 SPACE PROBE
       MIDAS SATELLITES
       RANGER LUNAR PROBES
       RANGER 4 LUNAR PROBE

ATLAS AGENA LAUNCH VEHICLES
  3103
  GS   LAUNCH VEHICLES
       .ATLAS LAUNCH VEHICLES
       .#ATLAS AGENA LAUNCH VEHICLES
       ROCKET VEHICLES
       .MULTISTAGE ROCKET VEHICLES
       ..ATLAS LAUNCH VEHICLES
       ..#ATLAS AGENA LAUNCH VEHICLES
  RT   AGENA ROCKET VEHICLES
       ENVIRONMENTAL RESEARCH SATELLITES
       ERS 17
       ERS 18
       MARINER PROGRAM
       MARINER 5 SPACE PROBE
       MARINER 6 SPACE PROBE
       OGO-A
     % VEHICLES

ATLAS CENTAUR LAUNCH VEHICLE
  3103
  GS   LAUNCH VEHICLES
       .ATLAS LAUNCH VEHICLES
       .#ATLAS CENTAUR LAUNCH VEHICLE
       .CENTAUR LAUNCH VEHICLE
       .#ATLAS CENTAUR LAUNCH VEHICLE
       ROCKET VEHICLES
       .CENTAUR LAUNCH VEHICLE
       .#ATLAS CENTAUR LAUNCH VEHICLE
       .MULTISTAGE ROCKET VEHICLES
       ..ATLAS LAUNCH VEHICLES
       ..#ATLAS CENTAUR LAUNCH VEHICLE
  RT   CENTAUR PROJECT
       OAO 1
       OAO 2
```

```
      OAO 3
      RL-10 ENGINES
      SPACE SHUTTLE UPPER STAGE A
      SURVEYOR PROJECT
      SURVEYOR 1 LUNAR PROBE
      SURVEYOR 2 LUNAR PROBE
      SURVEYOR 3 LUNAR PROBE
      SURVEYOR 4 LUNAR PROBE
      SURVEYOR 5 LUNAR PROBE
      SURVEYOR 6 LUNAR PROBE
      SURVEYOR 7 LUNAR PROBE

ATLAS D ICBM
  3101 3401
  GS  MISSILES
      .BALLISTIC MISSILES
      ..INTERCONTINENTAL BALLISTIC
        MISSILES
      ...ATLAS ICBM
      ...#ATLAS D ICBM
      .SURFACE TO SURFACE MISSILES
      ..INTERCONTINENTAL BALLISTIC
        MISSILES
      ...ATLAS ICBM
      ...#ATLAS D ICBM
  RT  CENTAUR LAUNCH VEHICLE
      STANDARD LAUNCH VEHICLES
      VEGA LAUNCH VEHICLE

ATLAS E ICBM
  3101 3401
  GS  MISSILES
      .BALLISTIC MISSILES
      ..INTERCONTINENTAL BALLISTIC
        MISSILES
      ...ATLAS ICBM
      ...#ATLAS E ICBM
      .SURFACE TO SURFACE MISSILES
      ..INTERCONTINENTAL BALLISTIC
        MISSILES
      ...ATLAS ICBM
      ...#ATLAS E ICBM

ATLAS F ICBM
  3401
  GS  MISSILES
      .BALLISTIC MISSILES
      ..INTERCONTINENTAL BALLISTIC
        MISSILES
      ...ATLAS ICBM
      ...#ATLAS F ICBM
      .SURFACE TO SURFACE MISSILES
      ..INTERCONTINENTAL BALLISTIC
        MISSILES
      ...ATLAS ICBM
      ...#ATLAS F ICBM

ATLAS ICBM
  3101 3401
  GS  MISSILES
      .BALLISTIC MISSILES
      ..INTERCONTINENTAL BALLISTIC
        MISSILES
      ..#ATLAS ICBM
      ....ATLAS D ICBM
      ....ATLAS E ICBM
      ....ATLAS F ICBM
      .SURFACE TO SURFACE MISSILES
      ..INTERCONTINENTAL BALLISTIC
        MISSILES
      ..#ATLAS ICBM
      ....ATLAS D ICBM
      ....ATLAS E ICBM
      ....ATLAS F ICBM
  RT  MA-2 ENGINE
      MA-3 ENGINE

ATLAS LAUNCH VEHICLES
  3103
  UF  SM-65 MISSILE
  GS  LAUNCH VEHICLES
      #ATLAS LAUNCH VEHICLES
      ..ATLAS ABLE 5 LAUNCH VEHICLE
      ..ATLAS AGENA B LAUNCH VEHICLE
      ..ATLAS AGENA LAUNCH VEHICLES
      ..ATLAS CENTAUR LAUNCH VEHICLE
      ..ATLAS SLV-3 LAUNCH VEHICLE
      ROCKET VEHICLES
      .MULTISTAGE ROCKET VEHICLES
      .#ATLAS LAUNCH VEHICLES
      ...ATLAS ABLE 5 LAUNCH VEHICLE
      ...ATLAS AGENA B LAUNCH VEHICLE
      ...ATLAS AGENA LAUNCH VEHICLES
      ...ATLAS CENTAUR LAUNCH VEHICLE
      ...ATLAS SLV-3 LAUNCH VEHICLE
  RT  EGO
      GEMINI PROJECT
      MA-5 ENGINE
      MARINER PROGRAM
      MERCURY FLIGHTS
      MERCURY MA-1 FLIGHT
      MERCURY MA-2 FLIGHT
      MERCURY MA-3 FLIGHT
      MERCURY MA-4 FLIGHT
      MERCURY MA-5 FLIGHT
      MERCURY MA-6 FLIGHT
      MERCURY MA-7 FLIGHT
      MERCURY MA-8 FLIGHT
      MERCURY MA-9 FLIGHT
      MERCURY PROJECT
      NOMAD LAUNCH VEHICLE
      OAO
      ORBITAL RENDEZVOUS
      RANGER PROJECT
    % VEHICLES

ATLAS SLV-3 LAUNCH VEHICLE
  3103
  UF  STANDARD LAUNCH VEHICLE 3
  GS  LAUNCH VEHICLES
      .ATLAS LAUNCH VEHICLES
      .#ATLAS SLV-3 LAUNCH VEHICLE
      .STANDARD LAUNCH VEHICLES
      .#ATLAS SLV-3 LAUNCH VEHICLE
      ROCKET VEHICLES
      .MULTISTAGE ROCKET VEHICLES
      ..ATLAS LAUNCH VEHICLES
      ..#ATLAS SLV-3 LAUNCH VEHICLE
      .STANDARD LAUNCH VEHICLES
      .#ATLAS SLV-3 LAUNCH VEHICLE
  RT  LIQUID PROPELLANT ROCKET ENGINES
      MA-5 ENGINE

ATLIT PROJECT
  3406 0204
  UF  ADVANCED TECHNOLOGY LIGHT TWIN
      AIRCRAFT
  GS  PROGRAMS
      .NASA PROGRAMS
      .#ATLIT PROJECT
      .PROJECTS
      .#ATLIT PROJECT
  RT % AIRCRAFT
      GAW-1 AIRFOIL
      PA-34 SENECA AIRCRAFT

ATMOSPHERE EXPLORER A
  USE  EXPLORER 17 SATELLITE

ATMOSPHERE EXPLORER B
  USE  EXPLORER 32 SATELLITE

ATMOSPHERE EXPLORER C
  USE  EXPLORER 51 SATELLITE

ATMOSPHERE EXPLORER D
  USE  EXPLORER 54 SATELLITE

ATMOSPHERE EXPLORER E
  USE  EXPLORER 55 SATELLITE

% ATMOSPHERES
  1301 1302 1408 3009
  SN  (USE OF A MORE SPECIFIC TERM IS
      RECOMMENDED--CONSULT THE TERMS
```

LISTED BELOW)
RT AIR
ARGON-OXYGEN ATMOSPHERES
ATMOSPHERIC PRESSURE
CABIN ATMOSPHERES
COMETARY ATMOSPHERES
CONTROLLED ATMOSPHERES
EARTH ATMOSPHERE
ENVIRONMENTS
EQUATORIAL ATMOSPHERE
GAS MIXTURES
GASES
HELIUM-OXYGEN ATMOSPHERES
HYPOBARIC ATMOSPHERES
LIFE SUPPORT SYSTEMS
METEOROLOGY
MIDDLE ATMOSPHERE
NEPTUNE ATMOSPHERE
NEUTRAL ATMOSPHERES
NONGRAY ATMOSPHERES
NONGRAY GAS
PLANETARY ATMOSPHERES
PLANETARY IONOSPHERES
PRIMITIVE EARTH ATMOSPHERE
SATELLITE ATMOSPHERES
SOLAR ATMOSPHERE
STELLAR ATMOSPHERES
URANUS ATMOSPHERE

ATMOSPHERIC & OCEANOGRAPHIC INFORM SYS
2002
SN (ATMOSPHERIC & OCEANOGRAPHIC INFORMATION SYSTEMS)
UF AOIPS
GS INFORMATION SYSTEMS
#ATMOSPHERIC & OCEANOGRAPHIC INFORM SYS
RT AEROLOGY
AIR WATER INTERACTIONS
DATA PROCESSING
DATA SYSTEMS
IMAGERY
ISOTHERMS
METEOROLOGICAL PARAMETERS
METEOROLOGY
MINICOMPUTERS
OCEANOGRAPHIC PARAMETERS
OCEANOGRAPHY
% SYSTEMS
WEATHER

ATMOSPHERIC ABSORPTION
USE ATMOSPHERIC ATTENUATION

ATMOSPHERIC AND MAGNETOSPHERIC PAYLOAD
USE AMPS (SATELLITE PAYLOAD)

ATMOSPHERIC ATTENUATION
1301 1302 2003 2301 2402 3009
UF ATMOSPHERIC ABSORPTION
GS ATTENUATION
#ATMOSPHERIC ATTENUATION
..AURORAL ABSORPTION
RT ACOUSTIC ATTENUATION
ATMOSPHERIC LASERS
COSMIC RAY ALBEDO
ELECTROMAGNETIC ABSORPTION
ELECTROMAGNETIC SCATTERING
ELECTROMAGNETIC WAVE TRANSMISSION
INFRARED ABSORPTION
MICROWAVE ABSORPTION
MOLECULAR ABSORPTION
PLANETARY ATMOSPHERES
RADAR ATTENUATION
RADAR TRANSMISSION
RADIATION ABSORPTION
RADIO ATTENUATION
RADIO TRANSMISSION
SHOCK WAVE ATTENUATION
SHOCK WAVE PROPAGATION
THERMAL ABSORPTION
TRANSMISSION
VEGETATIVE INDEX
WAVE ATTENUATION
WAVE PROPAGATION

ATMOSPHERIC BOUNDARY LAYER
1301 1302 1308 2001 2003
GS BOUNDARY LAYERS
#ATMOSPHERIC BOUNDARY LAYER
RT AIR FLOW
AIR LAND INTERACTIONS
BOUNDARY LAYER FLOW
EKMAN LAYER
% LAYERS
MIXING LAYERS (FLUIDS)
PLANETARY BOUNDARY LAYER
PRIMITIVE EQUATIONS

ATMOSPHERIC CHEMISTRY
0601 1301 1302 2003 3008
GS ENVIRONMENTAL CHEMISTRY
#ATMOSPHERIC CHEMISTRY
RT ACID RAIN
AEROTHERMOCHEMISTRY
AIR POLLUTION
AITKEN NUCLEI
ATMOSPHERIC EFFECTS
% CHEMISTRY
FORMYL IONS
MIDDLE ATMOSPHERE
NITROUS ACID
PHOTOCHEMICAL OXIDANTS
PHOTOCHEMICAL REACTIONS
PHYSICAL CHEMISTRY
SATELLITE ATMOSPHERES

ATMOSPHERIC CIRCULATION
1203 1301 1302 2001 2003 3008
UF WIND CIRCULATION
GS CIRCULATION
#ATMOSPHERIC CIRCULATION
..ZONAL FLOW (METEOROLOGY)
RT ADVECTION
AIR CURRENTS
AIR LAND INTERACTIONS
AIR MASSES
ANNUAL VARIATIONS
ATMOSPHERIC GENERAL CIRCULATION EXPERIMENT
ATMOSPHERIC GENERAL CIRCULATION MODELS
BAROCLINIC INSTABILITY
BRUNT-VAISALA FREQUENCY
CIRCULATION DISTRIBUTION
CIRCUMPOLAR WESTERLIES
CLIMATOLOGY
CONVECTION CELLS
CYCLOGENESIS
EARTH ATMOSPHERE
GROUND WIND
HORIZONTAL DISTRIBUTION
INTERTROPICAL CONVERGENT ZONES
JET STREAMS (METEOROLOGY)
MERIDIONAL FLOW
MIDDLE ATMOSPHERE
MIXING HEIGHT
MONSOONS
PLANETARY METEOROLOGY
PLANETARY WAVES
POLLUTION TRANSPORT
SEA BREEZE
SOUTHERN OSCILLATION
SUPERROTATION
TORNADOES
TROPICAL STORMS
TURBOPAUSE
TYPHOONS
UPWELLING WATER
VERTICAL AIR CURRENTS
VORTICITY
WIND (METEOROLOGY)
WIND DIRECTION
WIND PROFILES
WINDPOWER UTILIZATION

```
ATMOSPHERIC CLOUD PHYSICS LAB (SPACELAB)
  3107
  UF    ACPL (SPACELAB)
        ZERO-G ACPL (SPACELAB)
  GS    LABORATORIES
        .SPACE LABORATORIES
        .#ATMOSPHERIC CLOUD PHYSICS LAB
          (SPACELAB)
        PAYLOADS
        .SPACELAB PAYLOADS
        .#ATMOSPHERIC CLOUD PHYSICS LAB
          (SPACELAB)
  RT    CLOUD PHYSICS
        METEOROLOGICAL PARAMETERS
        NEPHANALYSIS
        SPACECRAFT INSTRUMENTS

ATMOSPHERIC COMPOSITION
  0601 1301 1302 2003 3008
  GS    COMPOSITION (PROPERTY)
        #ATMOSPHERIC COMPOSITION
        ..ATMOSPHERIC MOISTURE
        ..IONOSPHERIC COMPOSITION
  RT    AERONOMY
        AIR
        AIR POLLUTION
        AITKEN NUCLEI
        CARBON DIOXIDE CONCENTRATION
        CHEMICAL COMPOSITION
        CLIMATE CHANGE
        EARTH ATMOSPHERE
        ELECTRON DENSITY (CONCENTRATION)
        EQUATORIAL ATMOSPHERE
        GAIA HYPOTHESIS
        GAS COMPOSITION
        HORIZONTAL DISTRIBUTION
        IN SITU MEASUREMENT
        LACATE (EXPERIMENT)
        MIDDLE ATMOSPHERE
        MIXING RATIOS
        MOISTURE CONTENT
        OZONE DEPLETION
        PARTICULATES
        PLANETARY ATMOSPHERES
        PRIMITIVE EARTH ATMOSPHERE
        RADIO OCCULTATION
        RADIOACTIVE CONTAMINANTS
        SATELLITE ATMOSPHERES
        SATURN ATMOSPHERE
        SOLAR MESOSPHERE EXPLORER
        TITAN

ATMOSPHERIC CONDITIONS
  USE   METEOROLOGY

ATMOSPHERIC CONDUCTIVITY
  1301 1302 2003 2302 3008
  GS    TRANSPORT PROPERTIES
        #ATMOSPHERIC CONDUCTIVITY
        ..IONOSPHERIC CONDUCTIVITY
  RT    AIR CONDUCTIVITY
      % CONDUCTIVITY
        ELECTRICAL RESISTIVITY
        THERMAL CONDUCTIVITY

ATMOSPHERIC CORRECTION
  1404
  GS    CORRECTION
        #ATMOSPHERIC CORRECTION
  RT    ATMOSPHERIC EFFECTS
        CLOUDS (METEOROLOGY)
        GEOMETRIC RECTIFICATION (IMAGERY)
        IMAGE CLASSIFICATION
        IMAGE PROCESSING
        INFRARED RADIOMETERS
        RADIATIVE TRANSFER
        SATELLITE IMAGERY
        SPATIAL RESOLUTION

ATMOSPHERIC DENSITY
  0101 1301 1302 2003 3008
  GS    DENSITY (MASS/VOLUME)
        #ATMOSPHERIC DENSITY
  RT    AIR POLLUTION
        BOLTZMANN DISTRIBUTION
      % DENSITY
        DENSITY (NUMBER/VOLUME)
        ELECTRON DENSITY (CONCENTRATION)
        HUMIDITY
        ION DENSITY (CONCENTRATION)
        MAGNETOSPHERIC ELECTRON DENSITY
        MAGNETOSPHERIC ION DENSITY
        MAGNETOSPHERIC PROTON DENSITY
        METEOROLOGY
        PARTICLE DENSITY (CONCENTRATION)
        PLANETARY ATMOSPHERES
        PLASMA DENSITY
        PROTON DENSITY (CONCENTRATION)
        SPACE DENSITY

ATMOSPHERIC DIFFUSION
  1202 1301 1302 2003 3008
  GS    DIFFUSION
        #ATMOSPHERIC DIFFUSION
  RT    BOLTZMANN DISTRIBUTION
        MOLECULAR DIFFUSION
        POLLUTION TRANSPORT
        RADIO SCATTERING
        TURBULENT DIFFUSION

ATMOSPHERIC EFFECTS
  1301 1302 2001 2003 3008
  RT    AEROSOLS
        AIR POLLUTION
        ATMOSPHERIC CHEMISTRY
        ATMOSPHERIC CORRECTION
      % EFFECTS
        EROSION
        EXPOSURE
        RUSTING
        SEEING (ASTRONOMY)
        SOIL EROSION
        TURBULENCE
        VEGETATIVE INDEX
        WIND EFFECTS
        WIND EROSION

ATMOSPHERIC ELECTRICITY
  1301 1302 2001 2003 2304 3008
  GS    ELECTRICITY
        #ATMOSPHERIC ELECTRICITY
        ..IONOSPHERIC CURRENTS
        ...BIRKELAND CURRENTS
        ...ELECTROJETS
        ....AURORAL ELECTROJETS
        ....EQUATORIAL ELECTROJET
  RT    ATMOSPHERICS
        BALL LIGHTNING
        CLOUD PHYSICS
        DUST STORMS
        EARTH ATMOSPHERE
        ELECTRIC CORONA
        ELECTRON DENSITY PROFILES
        FIELD ALIGNED CURRENTS
        LIGHTNING
        LIGHTNING SUPPRESSION
        PRIMITIVE EARTH ATMOSPHERE
        RING CURRENTS
        STATIC ELECTRICITY
        TELLURIC CURRENTS

ATMOSPHERIC EMISSION
  USE   AIRGLOW

ATMOSPHERIC ENERGY SOURCES
  0301
  GS    HYDROCARBON FUEL PRODUCTION
        #ATMOSPHERIC ENERGY SOURCES
  RT    AMMONIA
      % ENERGY SOURCES
        ENERGY TECHNOLOGY
        ETHYL ALCOHOL

ATMOSPHERIC ENTRY
```

1301 1302 3007 3008 3105 3501
UF PLANETARY ENTRY
GS #ATMOSPHERIC ENTRY
.REENTRY
..HYPERBOLIC REENTRY
..HYPERSONIC REENTRY
...UNCONTROLLED REENTRY (SPACECRAFT)
..MANNED REENTRY
..SPACECRAFT REENTRY
...UNCONTROLLED REENTRY (SPACECRAFT)
RT ABLATION
AEROASSIST
AEROCAPTURE
AERODYNAMIC HEATING
AEROMANEUVERING
BOLIDES
DESCENT TRAJECTORIES
EARTH ATMOSPHERE
% ENTRY
ENTRY GUIDANCE (STS)
FALLING
GALILEO PROJECT
GAS GUNS
ORBIT DECAY
SPACE FLIGHT
SPACECRAFT BREAKUP

ATMOSPHERIC ENTRY SIMULATION
1106 1107 3105 3501
GS SIMULATION
.EXHAUST FLOW SIMULATION
.#ATMOSPHERIC ENTRY SIMULATION
RT ENVIRONMENT SIMULATION
FLIGHT SIMULATORS
LANDING SIMULATION
SPACE ENVIRONMENT SIMULATION

ATMOSPHERIC GENERAL CIRCULATION EXPERIMENT
1201
GS PAYLOADS
.SPACE SHUTTLE PAYLOADS
.#ATMOSPHERIC GENERAL CIRCULATION EXPERIMENT
.SPACELAB PAYLOADS
.#ATMOSPHERIC GENERAL CIRCULATION EXPERIMENT
RT ATMOSPHERIC CIRCULATION
ATMOSPHERIC GENERAL CIRCULATION MODELS
EARTH ATMOSPHERE
SPACE TRANSPORTATION SYSTEM

ATMOSPHERIC GENERAL CIRCULATION MODELS
1301 1302 2003
UF GENERAL CIRCULATION MODELS (ATMOSPHERIC)
GS MODELS
.ATMOSPHERIC MODELS
.#ATMOSPHERIC GENERAL CIRCULATION MODELS
RT ATMOSPHERIC CIRCULATION
ATMOSPHERIC GENERAL CIRCULATION EXPERIMENT
CLIMATOLOGY
LONG RANGE WEATHER FORECASTING
NUMERICAL WEATHER FORECASTING

ATMOSPHERIC HEAT BUDGET
1301 1302 3303 3304
GS ENERGY BUDGETS
.HEAT BUDGET
.#ATMOSPHERIC HEAT BUDGET
RT EARTH RADIATION BUDGET
GREENHOUSE EFFECT
HEAT BALANCE
HEAT TRANSFER
STRATOSPHERIC WARMING

ATMOSPHERIC HEATING
0101 2003 3105 3303
SN (EXCLUDES AERODYNAMIC HEATING)
GS HEATING
#ATMOSPHERIC HEATING
..GLOBAL WARMING
..STRATOSPHERIC WARMING
RT BOLIDES

ATMOSPHERIC IMPURITIES
USE AIR POLLUTION

ATMOSPHERIC IONIZATION
0605 1301 1302 2001 2003 2304
UF METEORITIC IONIZATION
GS IONIZATION
.GAS IONIZATION
.#ATMOSPHERIC IONIZATION
...AURORAL IONIZATION
RT AFTERGLOWS
AIRGLOW
ANTARES ROCKET VEHICLE
EARTH IONOSPHERE
ELECTRON DENSITY PROFILES
PHOTOIONIZATION
PLASMASPHERE
RADIO METEORS
RIOMETERS

ATMOSPHERIC LASERS
1601
GS STIMULATED EMISSION DEVICES
.LASERS
.#ATMOSPHERIC LASERS
RT ATMOSPHERIC ATTENUATION
ATMOSPHERIC OPTICS
ATMOSPHERIC SCATTERING
LASER OUTPUTS
TEA LASERS

ATMOSPHERIC LOADING
USE POLLUTION TRANSPORT

ATMOSPHERIC MODELS
1107 3009
GS MODELS
#ATMOSPHERIC MODELS
..ATMOSPHERIC GENERAL CIRCULATION MODELS
..REFERENCE ATMOSPHERES
RT BAROCLINIC INSTABILITY
CHAPMAN-FERRARO PROBLEM
ENVIRONMENT MODELS
ENVIRONMENT SIMULATION
HORIZONTAL DISTRIBUTION
MATHEMATICAL MODELS
NUMERICAL WEATHER FORECASTING
OCEAN MODELS
PRIMITIVE EARTH ATMOSPHERE
SOLAR OSCILLATIONS
STELLAR OSCILLATIONS
VENUS CLOUDS
WEATHER FORECASTING

ATMOSPHERIC MOISTURE
1301 1302 2001 2003 3008
GS COMPOSITION (PROPERTY)
.ATMOSPHERIC COMPOSITION
.#ATMOSPHERIC MOISTURE
.CONCENTRATION (COMPOSITION)
..MOISTURE CONTENT
..#ATMOSPHERIC MOISTURE
MOISTURE
#ATMOSPHERIC MOISTURE
RT ACID RAIN
ANVIL CLOUDS
CAP CLOUDS
CIRROCUMULUS CLOUDS
CIRROSTRATUS CLOUDS
CLOUDS (METEOROLOGY)
DEW POINT
HUMIDITY
MIXING RATIOS
PRECIPITATION (METEOROLOGY)
PSYCHROMETERS

```
      WATER VAPOR

ATMOSPHERIC NOISE
  USE  ATMOSPHERICS

ATMOSPHERIC OPTICS
  1302 2306 2311 3009
  RT   ADAPTIVE OPTICS
       ATMOSPHERIC LASERS
       CLARITY
       HAZE
       INFRARED ABSORPTION
       LIGHT TRANSMISSION
       OPACITY
     % OPTICS
       SEEING (ASTRONOMY)
       TRANSPARENCE
       VEGETATIVE INDEX

ATMOSPHERIC PHYSICS
  1202 1203 1301 1302 2003 3008
  UF   AEROPHYSICS
  GS  #ATMOSPHERIC PHYSICS
       .CLOUD PHYSICS
  RT   AERONOMY
       BRUNT-VAISALA FREQUENCY
       DUST STORMS
       EARTH SCIENCES
       INTERNATIONAL MAGNETOSPHERIC STUDY
       MAGNETOSPHERE-IONOSPHERE COUPLING
       METEOROLOGY
       NEUTRAL SHEETS
     % PHYSICS
       PLANETARY METEOROLOGY
       SATELLITE ATMOSPHERES
     % SCIENCE
       SECULAR VARIATIONS
       TURBOPAUSE

ATMOSPHERIC PRESSURE
  1301 1302 1309 1408 2003 3008
  UF   BAROMETRIC PRESSURE
  GS   PRESSURE
       #ATMOSPHERIC PRESSURE
  RT   ANTICYCLONES
     % ATMOSPHERES
       CYCLOGENESIS
       CYCLONES
       GAS PRESSURE
       GEOPOTENTIAL HEIGHT
       HIGH ALTITUDE PRESSURE
       ISOBARS (PRESSURE)
       ISOSTATIC PRESSURE
       PRESSURE GRADIENTS
       RADIO OCCULTATION
       SOUTHERN OSCILLATION
       WEATHER

ATMOSPHERIC RADIATION
  1301 1302 2003 2402 2903
  GS  #ATMOSPHERIC RADIATION
       .AURORAS
       ..AURORAL ARCS
       ...RED ARCS
       ..RADIO AURORAS
       .DAWN CHORUS
       .IONOSPHERIC NOISE
       ..WHISTLERS
       .SKY RADIATION
       ..AIRGLOW
       ...GEOCORONAL EMISSIONS
       ...NIGHTGLOW
       ...TWILIGHT GLOW
       ..DAYGLOW
       .STRATOSPHERE RADIATION
       .TROPOSPHERIC RADIATION
  RT   CORPUSCULAR RADIATION
       EARTH RADIATION BUDGET
       ELECTROMAGNETIC RADIATION
       EXTRATERRESTRIAL RADIATION
       GREENHOUSE EFFECT
       IONOSPHERIC HEATING
       LIGHT (VISIBLE RADIATION)
     % RADIATION
     % RAYS
       SECONDARY COSMIC RAYS
       TERRESTRIAL RADIATION
       VLF EMISSION RECORDERS

ATMOSPHERIC REFRACTION
  1301 1302 2003 2402 2902 2903
  GS   REFRACTION
       #ATMOSPHERIC REFRACTION
       ..RADIO WAVE REFRACTION
  RT   ELECTROMAGNETIC RADIATION
       LIGHT TRANSMISSION
       REFRACTIVITY
       SOLAR RADIATION
       WAVE DISPERSION

ATMOSPHERIC SCATTERING
  1301 1302 2003 2402 2901 2902 2903
  GS   SCATTERING
       .WAVE SCATTERING
       .#ATMOSPHERIC SCATTERING
       ...TROPOSPHERIC SCATTERING
  RT   ATMOSPHERIC LASERS
       CIRCUMSOLAR RADIATION
       DIFFRACTION
       DIFFUSION
       ELECTROMAGNETIC SCATTERING
       HALOS
       LIGHT SCATTERING
       MICROWAVE SCATTERING
       RADIO SCATTERING
       SIGNAL FADING
       VEGETATIVE INDEX

ATMOSPHERIC SEEING
  USE  SEEING (ASTRONOMY)

ATMOSPHERIC SHELLS
  USE  ATMOSPHERIC STRATIFICATION

ATMOSPHERIC SOUNDING
  1308
  GS   SOUNDING
       #ATMOSPHERIC SOUNDING
  RT   BALLOON SOUNDING
       DIFFERENTIAL ABSORPTION LIDAR
       IN SITU MEASUREMENT
       IONOSPHERIC SOUNDING
       ROCKET SOUNDING
       SATELLITE SOUNDING
       VISIBLE INFRARED SPIN SCAN
       RADIOMETER

ATMOSPHERIC STRATIFICATION
  1301 1302 2003 3008
  UF   ATMOSPHERIC SHELLS
  GS   STRATIFICATION
       #ATMOSPHERIC STRATIFICATION
  RT   BRUNT-VAISALA FREQUENCY
       MIXING LAYERS (FLUIDS)
       PLASMA LAYERS
       SURFACE LAYERS

ATMOSPHERIC TEMPERATURE
  1301 1302 1408 2003 3008
  GS   TEMPERATURE
       #ATMOSPHERIC TEMPERATURE
       ..AURORAL TEMPERATURE
       ..IONOSPHERIC TEMPERATURE
  RT   AMBIENT TEMPERATURE
       CLIMATE CHANGE
       GAIA HYPOTHESIS
       GAS TEMPERATURE
       GLOBAL WARMING
       ISOTHERMS
       LACATE (EXPERIMENT)
       LAND SURFACE TEMPERATURE
       PLANETARY ATMOSPHERES
       PLANETARY TEMPERATURE
       RADIO OCCULTATION
       SODAR
```

SOUND DETECTING AND RANGING
STRATOSPHERIC WARMING
SUBZERO TEMPERATURE
TEMPERATURE GRADIENTS
TEMPERATURE INVERSIONS
THERMAL RESOURCES
WEATHER

ATMOSPHERIC TIDES
1301 1302 1309 1901 2003
GS TIDES
#ATMOSPHERIC TIDES
RT EARTH TIDES
LUNAR TIDES

ATMOSPHERIC TURBULENCE
1202 1203 1301 1302 2003
GS TURBULENCE
#ATMOSPHERIC TURBULENCE
..CLEAR AIR TURBULENCE
..GUSTS
..LOW LEVEL TURBULENCE
RT AVIATION METEOROLOGY
DISSIPATION
GUST LOADS
HOMOGENEOUS TURBULENCE
ISOTROPIC TURBULENCE
LAMINAR FLOW
METEOROLOGICAL PARAMETERS
METEOROLOGY
SEEING (ASTRONOMY)
TEPHIGRAMS
TURBOPAUSE
TURBULENT DIFFUSION
TURBULENT FLOW
WIND VARIATIONS

ATMOSPHERIC WINDOWS
0202 0701 1302
RT ASTRONOMICAL PHOTOGRAPHY
ASTRONOMICAL PHOTOMETRY

ATMOSPHERICS
1301 1302 2003 2402
UF ATMOSPHERIC NOISE
SFERICS
GS ELECTROMAGNETIC INTERFERENCE
.RADIO FREQUENCY INTERFERENCE
..ELECTROMAGNETIC NOISE
..#ATMOSPHERICS
....IONOSPHERICS
.....DAWN CHORUS
.....HISS
....SUDDEN ENHANCEMENT OF ATMOSPHERICS
....WHISTLERS
RT ATMOSPHERIC ELECTRICITY
BLACKOUT (PROPAGATION)
ELECTROMAGNETIC COMPATIBILITY
RADIO METEOROLOGY
RADIO WAVES
STATIC ELECTRICITY
THUNDERSTORMS
VLF EMISSION RECORDERS

ATOLL REEFS
USE CORAL REEFS

ATOLLS
1305 1306
GS LANDFORMS
.ISLANDS
.#ATOLLS
RT CORAL REEFS
LAGOONS
REEFS

ATOM CONCENTRATION
0603 1202 1203 2311 2401
GS COMPOSITION (PROPERTY)
.CONCENTRATION (COMPOSITION)
.#ATOM CONCENTRATION
RT CHEMICAL COMPOSITION
% DENSITY
ELECTRON DENSITY (CONCENTRATION)
FLUX DENSITY
GAS COMPOSITION
GAS DENSITY
ION DENSITY (CONCENTRATION)
IONOSPHERIC COMPOSITION
PLASMA COMPOSITION
PLASMA DENSITY
PROTON DENSITY (CONCENTRATION)

ATOMIC BATTERIES
USE RADIOISOTOPE BATTERIES

ATOMIC BEAMS
1506 2401
GS BEAMS (RADIATION)
.PARTICLE BEAMS
.#ATOMIC BEAMS
RT ION BEAMS
MOLECULAR BEAMS
NEUTRAL ATOMS
NEUTRAL BEAMS
NEUTRON BEAMS
PARTICLE DIFFUSION
RAREFIED GAS DYNAMICS

ATOMIC BOMBS
USE FISSION WEAPONS

ATOMIC CLOCKS
1406 2401 3009
GS MEASURING INSTRUMENTS
.TIME MEASURING INSTRUMENTS
..CLOCKS
..#ATOMIC CLOCKS
RT AUTONOMOUS SPACECRAFT CLOCKS
CHRONOMETERS
CLOCK PARADOX
FREQUENCY STANDARDS
GAS MASERS
MASERS
MOLECULAR BEAMS
TIME MEASUREMENT

ATOMIC CLUSTERS
0602 1703 1802 1804
RT AGGLOMERATION
CHEMISORPTION
CLUMPS
% CLUSTERS
FULLERENES
METAL CLUSTERS
MOLECULAR CLUSTERS
NUCLEATION

ATOMIC COLLISIONS
1203 2401
GS ATOMIC INTERACTIONS
#ATOMIC COLLISIONS
COLLISIONS
#ATOMIC COLLISIONS
RT % ABSORPTION
ATOMIZING
AUTOIONIZATION
% CROSS SECTIONS
ELASTIC SCATTERING
ELECTRON SCATTERING
% INTERACTIONS
IONIC COLLISIONS
IONIZATION
MOLECULAR COLLISIONS
PARTICLE COLLISIONS
RECOIL IONS
RECOMBINATION REACTIONS
SCATTERING

ATOMIC ENERGY
USE NUCLEAR ENERGY

ATOMIC ENERGY LEVELS
1203 2403 2601

UF TRIPLET EXCITATION
TRIPLET STATE
GS LEVEL (QUANTITY)
.ENERGY LEVELS
.#ATOMIC ENERGY LEVELS
RT ATOMIC INTERACTIONS
EXCITATION
GROUND STATE
LANDAU FACTOR
LINE SPECTRA
SPONTANEOUS EMISSION

ATOMIC EXCITATIONS
2401 2403
GS EXCITATION
#ATOMIC EXCITATIONS
RT ENERGY LEVELS
HEISENBERG THEORY
IONIZATION
MOLECULAR EXCITATION
PARTICLE COLLISIONS
RESONANCE FLUORESCENCE

ATOMIC EXPLOSIONS
USE NUCLEAR EXPLOSIONS

ATOMIC FORCE MICROSCOPY
1406 2601
UF AFM (MICROSCOPY)
GS MICROSCOPY
#ATOMIC FORCE MICROSCOPY
RT ATOMIC STRUCTURE
CRYSTAL SURFACES
INTERATOMIC FORCES
MICROSTRUCTURE
SURFACE PROPERTIES
THIN FILMS

ATOMIC GASES
USE MONATOMIC GASES

ATOMIC INTERACTIONS
2401
GS #ATOMIC INTERACTIONS
.ATOMIC COLLISIONS
RT ATOMIC ENERGY LEVELS
% INTERACTIONS
ION ATOM INTERACTIONS
MOLECULAR STRUCTURE
QUANTUM MECHANICS

ATOMIC MASS
USE ATOMIC WEIGHTS

ATOMIC MOBILITIES
2502 2602
GS MOBILITY
#ATOMIC MOBILITIES
RT ELECTRON MOBILITY
HOLE MOBILITY
IONIC MOBILITY
SELF DIFFUSION (SOLID STATE)

ATOMIC PHYSICS
2311 2401
RT HARTREE-FOCK-SLATER METHOD
% PHYSICS
RESONANCE FLUORESCENCE
% SCIENCE

ATOMIC RECOMBINATION
0603 1704 3404
GS CHEMICAL REACTIONS
#ATOMIC RECOMBINATION
..OXYGEN RECOMBINATION
RECOMBINATION REACTIONS
#ATOMIC RECOMBINATION
..OXYGEN RECOMBINATION
RT DEIONIZATION
DISSOCIATION
EMISSION
EMISSION SPECTRA
ION RECOMBINATION
RADIATIVE RECOMBINATION

ATOMIC SPECTRA
0601 0603 1411 2401 2404 3009
GS SPECTRA
#ATOMIC SPECTRA
RT BALMER SERIES
LYMAN ALPHA RADIATION
LYMAN BETA RADIATION
LYMAN SPECTRA
PASCHEN SERIES
RYDBERG SERIES

ATOMIC STRUCTURE
2401
UF ELECTRONIC STRUCTURE
RT ATOMIC FORCE MICROSCOPY
ATOMS
CONSTITUTION
CRYSTAL LATTICES
ELEMENTARY PARTICLES
ENERGY LEVELS
FINE STRUCTURE
GRAVITONS
HARTREE APPROXIMATION
HYPERFINE STRUCTURE
INTERATOMIC FORCES
ISOELECTRONIC SEQUENCE
MELTS (CRYSTAL GROWTH)
MOLECULAR STRUCTURE
NUCLEAR CHEMISTRY
NUCLEAR MODELS
NUCLEAR PHYSICS
OCTETS
ORDER-DISORDER TRANSFORMATIONS
PARTICLE PRECIPITATION
PAULI EXCLUSION PRINCIPLE
POLYWATER
% STRUCTURES
THOMAS-FERMI MODEL

ATOMIC THEORY
2401
GS #ATOMIC THEORY
.HEISENBERG THEORY
RT ELECTRON TRANSITIONS
GROUND STATE
LANDAU FACTOR
% NUCLEAR ENERGY
QUANTUM THEORY
% THEORIES

ATOMIC WEIGHTS
2401
UF ATOMIC MASS
GS WEIGHT (MASS)
#ATOMIC WEIGHTS
RT % WEIGHT

ATOMIZATION
USE ATOMIZING

ATOMIZERS
0505 0603 1202 1504
RT ATOMIZING
EVAPORATORS
GRINDING MILLS
% NOZZLES
SPRAYERS

ATOMIZING
1502 3407
UF ATOMIZATION
GS #ATOMIZING
.GAS ATOMIZATION
.LIQUID ATOMIZATION
RT AEROSOLS
ATOMIC COLLISIONS
ATOMIZERS
COLLOIDAL GENERATORS
COLLOIDING
COMMINUTION

```
      DISINTEGRATION
      FLAKING
      GRINDING (COMMINUTION)
      GRINDING MILLS
      METAL POWDER
      SPRAYING

ATOMS
  1703 1804 1807 1808 2401 2404 2405
  GS  #ATOMS
      .HELIUM ATOMS
      .HOT ATOMS
      .HYDROGEN ATOMS
      .METASTABLE ATOMS
      .NEUTRAL ATOMS
      .NITROGEN ATOMS
      .OXYGEN ATOMS
      .RECOIL ATOMS
  RT  ATOMIC STRUCTURE
      CHEMICAL ELEMENTS
    % ELEMENTS
      FREE RADICALS
      IONS
      ISOMERS
      ISOTOPE SEPARATION
      ISOTOPES
      MOLECULES
      MONATOMIC MOLECULES
      NUCLEI (NUCLEAR PHYSICS)
      POLYATOMIC MOLECULES
      POSITIVE IONS
      POSITRONIUM

ATP
  USE  ADENOSINE TRIPHOSPHATE

ATR REACTOR
  USE  ADVANCED TEST REACTORS

ATROPHY
  0405 0406
  RT  BIOLOGICAL EFFECTS
      DEGENERATION
      DETERIORATION
      NUTRITIONAL REQUIREMENTS
      PHYSICAL EXERCISE
      TISSUES (BIOLOGY)

ATROPINE
  0403 0405 1808
  GS  BASES (CHEMICAL)
      .ALKALOIDS
      .#ATROPINE
      DRUGS
      .STIMULANTS
      .#ATROPINE
      NITROGEN COMPOUNDS
      .ALKALOIDS
      .#ATROPINE
      ORGANIC COMPOUNDS
      .CYCLIC COMPOUNDS
      ..HETEROCYCLIC COMPOUNDS
      ...ALKALOIDS
      ...#ATROPINE

ATS
  3107 3110 3404
  UF  APPLICATIONS TECHNOLOGY SATELLITES
  GS  ARTIFICIAL SATELLITES
      .GRAVITY GRADIENT SATELLITES
      .#ATS
      ...ATS 1
      ...ATS 2
      ...ATS 3
      ...ATS 4
      ...ATS 5
      ...ATS 6
      ...ATS 7
      ...ATS 8
      .SCIENTIFIC SATELLITES
      .#ATS
      ...ATS 1
      ...ATS 2
      ...ATS 3
      ...ATS 4
      ...ATS 5
      ...ATS 6
      ...ATS 7
      ...ATS 8
  RT  COMMUNICATION SATELLITES
      EARLY BIRD SATELLITES
      METEOROLOGICAL SATELLITES
      NAVIGATION SATELLITES
      NAVSTAR SATELLITES

ATS 1
  3107 3110 3403
  GS  ARTIFICIAL SATELLITES
      .GRAVITY GRADIENT SATELLITES
      ..ATS
      ..#ATS 1
      .SCIENTIFIC SATELLITES
      ..ATS
      ..#ATS 1

ATS 2
  3107 3110 3403
  GS  ARTIFICIAL SATELLITES
      .GRAVITY GRADIENT SATELLITES
      ..ATS
      ..#ATS 2
      .SCIENTIFIC SATELLITES
      ..ATS
      ..#ATS 2

ATS 3
  3107 3110 3403
  GS  ARTIFICIAL SATELLITES
      .GRAVITY GRADIENT SATELLITES
      ..ATS
      ..#ATS 3
      .SCIENTIFIC SATELLITES
      ..ATS
      ..#ATS 3

ATS 4
  3107 3110 3403
  GS  ARTIFICIAL SATELLITES
      .GRAVITY GRADIENT SATELLITES
      ..ATS
      ..#ATS 4
      .SCIENTIFIC SATELLITES
      ..ATS
      ..#ATS 4

ATS 5
  3107 3110 3403
  GS  ARTIFICIAL SATELLITES
      .GRAVITY GRADIENT SATELLITES
      ..ATS
      ..#ATS 5
      .SCIENTIFIC SATELLITES
      ..ATS
      ..#ATS 5

ATS 6
  3107 3110 3403
  GS  ARTIFICIAL SATELLITES
      .GRAVITY GRADIENT SATELLITES
      ..ATS
      ..#ATS 6
      .SCIENTIFIC SATELLITES
      ..ATS
      ..#ATS 6
  RT  HET EXPERIMENT

ATS 7
  3107 3110 3403
  GS  ARTIFICIAL SATELLITES
      .GRAVITY GRADIENT SATELLITES
      ..ATS
      ..#ATS 7
      .SCIENTIFIC SATELLITES
      ..ATS
      ..#ATS 7
```

```
ATS 8
  3107 3110 3403
  GS   ARTIFICIAL SATELLITES
       .GRAVITY GRADIENT SATELLITES
       ..ATS
       ..#ATS 8
       .SCIENTIFIC SATELLITES
       ..ATS
       ..#ATS 8

% ATTACHMENT
  0603 1201 2401 2403
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  UF   REATTACHMENT
  RT   ASSEMBLING
       COANDA EFFECT
       ELECTRON ATTACHMENT
       MOUNTING
       REATTACHED FLOW

ATTACHMENTS
  USE  ACCESSORIES

% ATTACK
  3401
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   ATTACKING (ASSAULTING)
       CHEMICAL ATTACK

ATTACK AIRCRAFT
  0207 3401
  GS  #ATTACK AIRCRAFT
       .A-1 AIRCRAFT
       .A-7 AIRCRAFT
       .A-9 AIRCRAFT
       .A-10 AIRCRAFT
       .A-37 AIRCRAFT
       .AH-63 HELICOPTER
       .AH-64 HELICOPTER
       .BOMBER AIRCRAFT
       ..A-2 AIRCRAFT
       ..A-3 AIRCRAFT
       ..A-4 AIRCRAFT
       ..A-5 AIRCRAFT
       ..A-6 AIRCRAFT
       ..B-1 AIRCRAFT
       ..B-2 AIRCRAFT
       ..B-26 AIRCRAFT
       ..B-47 AIRCRAFT
       ..B-50 AIRCRAFT
       ..B-52 AIRCRAFT
       ..B-57 AIRCRAFT
       ..B-58 AIRCRAFT
       ..B-66 AIRCRAFT
       ..B-70 AIRCRAFT
       ..F-100 AIRCRAFT
       ..SHACKLETON BOMBER
       ..VALIANT AIRCRAFT
       ..VICTOR MK-1 AIRCRAFT
       ..VULCAN AIRCRAFT
       .BREGUET 1150 AIRCRAFT
       .BUCCANEER AIRCRAFT
       .CL-41 AIRCRAFT
       .DH 112 AIRCRAFT
       .DH 115 AIRCRAFT
       .FIGHTER AIRCRAFT
       ..ALPHA JET AIRCRAFT
       ..F-2 AIRCRAFT
       ..F-4 AIRCRAFT
       ..F-5 AIRCRAFT
       ..F-8 AIRCRAFT
       ..F-9 AIRCRAFT
       ..F-14 AIRCRAFT
       ..F-15 AIRCRAFT
       ..F-16 AIRCRAFT
       ..F-17 AIRCRAFT
       ..F-18 AIRCRAFT
       ..F-20 AIRCRAFT
       ..F-22 AIRCRAFT
       ..F-27 AIRCRAFT
       ..F-84 AIRCRAFT
       ..F-86 AIRCRAFT
       ..F-89 AIRCRAFT
       ..F-94 AIRCRAFT
       ..F-100 AIRCRAFT
       ..F-101 AIRCRAFT
       ..F-102 AIRCRAFT
       ..F-104 AIRCRAFT
       ..F-105 AIRCRAFT
       ..F-106 AIRCRAFT
       ..F-111 AIRCRAFT
       ..F-117A AIRCRAFT
       ..FV-12A AIRCRAFT
       ..G-91 AIRCRAFT
       ..G-95/4 AIRCRAFT
       ..GA-5 AIRCRAFT
       ..HARRIER AIRCRAFT
       ..JAGUAR AIRCRAFT
       ..JET PROVOST AIRCRAFT
       ..MIG AIRCRAFT
       ..MIRAGE AIRCRAFT
       ...MIRAGE 3 AIRCRAFT
       ..P-51 AIRCRAFT
       ..P-1127 AIRCRAFT
       ..P-1154 AIRCRAFT
       ..SAAB 37 AIRCRAFT
       ..SCIMITAR AIRCRAFT
       ..VAMPIRE MK 35 AIRCRAFT
       ..VJ-101 AIRCRAFT
       ..YF-12 AIRCRAFT
       ..YF-16 AIRCRAFT
       .OV-10 AIRCRAFT
       .P-308 AIRCRAFT
       .T-2 AIRCRAFT
       .TSR-2 AIRCRAFT
  RT   AEROQUATIC VEHICLES
     % AIRCRAFT
       ANTISUBMARINE WARFARE AIRCRAFT
       JET AIRCRAFT
     % MILITARY AIRCRAFT
       MILITARY HELICOPTERS
       MRCA AIRCRAFT
       SUPERSONIC AIRCRAFT
       TERRAIN FOLLOWING AIRCRAFT
       V/STOL AIRCRAFT

ATTACKING (ASSAULTING)
  3401
  UF   ASSAULTING
  GS   VIOLENCE
       #ATTACKING (ASSAULTING)
  RT % ATTACK
     % MILITARY AIRCRAFT
       TACTICS
       WARFARE

ATTENTION
  0408 0410
  RT   ALERTNESS
       CONSCIOUSNESS

ATTENUATION
  0702 0710 1001 1002 1202 1308 2311
  GS  #ATTENUATION
       .ATMOSPHERIC ATTENUATION
       ..AURORAL ABSORPTION
       .MICROWAVE ATTENUATION
       .SIDELOBE REDUCTION
       .WAVE ATTENUATION
       ..ACOUSTIC ATTENUATION
       ...SHOCK WAVE ATTENUATION
       ..RADAR ATTENUATION
       ..RADIO ATTENUATION
  RT % ABSORPTION
       ATTENUATORS
     % CONDUCTION
       DAMPING
       DIFFRACTION
       DILUTION
       DISSIPATION
```

```
      ELECTROMAGNETIC ABSORPTION
      ELECTROMAGNETIC WAVE TRANSMISSION
      ELIMINATION
      FADING
      IMPINGEMENT
    % INHIBITION
      INTERNAL FRICTION
      LIGHT (VISIBLE RADIATION)
      MECHANICAL IMPEDANCE
    % PROPAGATION
    % REDUCTION
      RETARDING
      SHIELDING
      SIGNAL FADING
      SIGNAL TO NOISE RATIOS
      SOUND PROPAGATION
      SOUND TRANSMISSION
      SPATIAL FILTERING
      TRANSMISSION
      TRANSMISSION LOSS
      TRANSMITTERS
      VIBRATION DAMPING
      WAVE DEGRADATION
      WAVE DIFFRACTION
      WAVE DISPERSION
      WAVE PROPAGATION

ATTENUATION COEFFICIENTS
  0710 1001 1202 2301 2310
  GS  COEFFICIENTS
      #ATTENUATION COEFFICIENTS
  RT  DIFFUSION COEFFICIENT
      FLOW COEFFICIENTS
      IMPEDANCE
      OPACITY
      REFLECTANCE
      SCATTERING COEFFICIENTS
      TRANSMISSION EFFICIENCY
      TRANSMITTANCE

ATTENUATORS
  0701 0902 0903
  GS  #ATTENUATORS
      .RESISTORS
      ..POTENTIOMETERS (RESISTORS)
      ..PRINTED RESISTORS
      ..THERMISTORS
  RT % ABSORBERS
      ABSORBERS (MATERIALS)
      ATTENUATION
      BAFFLES
      DEFLECTORS
    % DIFFUSERS
      ELECTROMAGNETIC WAVE FILTERS
      EQUALIZERS (CIRCUITS)
    % FILTERS
      INSULATORS
      INVERTERS
      ISOLATORS
      MUFFLERS
      POWER LIMITERS
      RADIATION SHIELDING
      REFLECTORS
      SHIELDING
      SILENCERS
      SUPPRESSORS

ATTITUDE (INCLINATION)
  0410 2102 2103 3006 3110 3009
  UF  SPATIAL ORIENTATION
      TILT
      TILTING
  GS  #ATTITUDE (INCLINATION)
      .PITCH (INCLINATION)
      .ROLL
      .SATELLITE ORIENTATION
      .YAW
  RT  HORIZONTAL ORIENTATION
      INSTRUMENT ORIENTATION
      MISALIGNMENT
    % MOTION
    % ORIENTATION
    % POSITION
    % SPACE ORIENTATION
      STABILITY AUGMENTATION
      TILTMETERS
      VERTICAL ORIENTATION

ATTITUDE CONTROL
  0203 1402 1410
  GS  #ATTITUDE CONTROL
      .DIRECTIONAL CONTROL
      ..THRUST VECTOR CONTROL
      .LATERAL CONTROL
      .LONGITUDINAL CONTROL
      .SATELLITE ATTITUDE CONTROL
  RT  AIR TRAFFIC CONTROL
      AIRCRAFT CONTROL
      AUTOMATIC CONTROL
      COLD GAS
    % CONTROL
      CONTROL MOMENT GYROSCOPES
      FLIGHT CONTROL
      GUIDANCE SENSORS
      HELICOPTER CONTROL
      HORIZON SCANNERS
      MAGNETIC CONTROL
      MANUAL CONTROL
      MIRANDA SATELLITE
      MISSILE CONTROL
      ORBITAL LIFETIME
      REACTION WHEELS
      REMOTE CONTROL
      ROCKET ENGINE CONTROL
      SATELLITE CONTROL
      SOLAR SENSORS
      SPACECRAFT CONTROL
      SPACING
      SPIN STABILIZATION
      STAR TRACKERS
      THRUST CONTROL
      TRAJECTORY CONTROL
      VISUAL CONTROL

ATTITUDE GYROS
  0202 1402 1403 1410
  GS  GYROSCOPES
      #ATTITUDE GYROS
      ..GYRO HORIZONS
  RT  CONTROL MOMENT GYROSCOPES
      SEA KEEPING

ATTITUDE INDICATORS
  0202 1402 1410
  UF  HELICOPTER ATTITUDE INDICATORS
      YAWMETERS
  GS  FLIGHT INSTRUMENTS
      #ATTITUDE INDICATORS
      ..GYRO HORIZONS
      MEASURING INSTRUMENTS
      .INDICATING INSTRUMENTS
      .#ATTITUDE INDICATORS
      ...GYRO HORIZONS
      NAVIGATION AIDS
      .NAVIGATION INSTRUMENTS
      .#ATTITUDE INDICATORS
      ...GYRO HORIZONS
  RT  AIRCRAFT INSTRUMENTS
      CONTROL MOMENT GYROSCOPES
      FLIGHT CONTROL

ATTITUDE STABILITY
  2102
  UF  SATELLITE ATTITUDE DISTURBANCE
  GS  DYNAMIC CHARACTERISTICS
      .DYNAMIC STABILITY
      ..MOTION STABILITY
      ..#ATTITUDE STABILITY
      ....DIRECTIONAL STABILITY
      .....GYROSCOPIC STABILITY
      ....LATERAL STABILITY
      ....LONGITUDINAL STABILITY
      STABILITY
      .DYNAMIC STABILITY
      ..MOTION STABILITY
```

..#ATTITUDE STABILITY
....DIRECTIONAL STABILITY
.....GYROSCOPIC STABILITY
....LATERAL STABILITY
....LONGITUDINAL STABILITY
RT AERODYNAMIC STABILITY
AIRCRAFT STABILITY
DISCOS (SATELLITE ATTITUDE CONTROL)
HOVERING STABILITY
LOW SPEED STABILITY
SATELLITE ATTITUDE CONTROL
SPACECRAFT MOTION
SPACECRAFT STABILITY
TUMBLING MOTION

ATTRACTION
3408
RT AFFINITY
FIELD THEORY (PHYSICS)
% FORCE
GRAVITATIONAL FIELDS

ATTRIBUTES
USE PROPERTIES

ATTRITION (MATERIALS)
USE COMMINUTION

AUDIO DATA
0701
RT AUDIO FREQUENCIES
% DATA
DATA TRANSMISSION

AUDIO EQUIPMENT
0701 0705 1402 1409 1410 2301 9001
GS #AUDIO EQUIPMENT
.EARPHONES
.LOUDSPEAKERS
.MICROPHONES
RT AUDIO VISUAL EQUIPMENT
% EQUIPMENT
MONAURAL SIGNALS

AUDIO FREQUENCIES
0408 2301
SN (APPROXIMATELY 20 TO 20,000 HZ)
GS FREQUENCIES
.ACOUSTIC FREQUENCIES
.#AUDIO FREQUENCIES
...QUEFRENCIES
RT ACOUSTIC MEASUREMENT
AUDIO DATA
AUDIO SIGNALS
AUDITORY PERCEPTION
CEPSTRAL ANALYSIS
EXTREMELY LOW RADIO FREQUENCIES
MONAURAL SIGNALS
NOISE POLLUTION
RADIO FREQUENCIES
SOUND GENERATORS
SOUND TRANSMISSION
SOUND WAVES
VERY LOW FREQUENCIES
VOICE

AUDIO SIGNALS
0701 9001
RT AUDIO FREQUENCIES
AUDITORY SIGNALS
SIGNAL PROCESSING
SIGNAL TRANSMISSION
% SIGNALS

AUDIO TAPES
0802 9001
RT ACOUSTICS
AUDIO VISUAL MATERIAL
INFORMATION
MAGNETIC TAPES
% TAPES
VIDEO TAPES

AUDIO VISUAL EQUIPMENT
0702 0904 3405
RT AUDIO EQUIPMENT
DISPLAY DEVICES
MULTIMEDIA
TRAINING DEVICES
VIDEO EQUIPMENT
VISUAL AIDS

AUDIO VISUAL MATERIAL
3405
RT AUDIO TAPES
MULTIMEDIA
VISUAL AIDS

AUDIOLOGY
0404 0408 2301
RT AUDIOMETRY
AUDITORY FATIGUE
AUDITORY PERCEPTION
HEARING

AUDIOMETRY
0404 0502 2301
RT ACOUSTIC MEASUREMENT
AUDIOLOGY
AUDITORY DEFECTS
AUDITORY FATIGUE
AUDITORY PERCEPTION
AUDITORY STIMULI
HEARING
MASKING
% MEASUREMENT
THRESHOLDS (PERCEPTION)

AUDITORY DEFECTS
0404 0408
UF DEAFNESS
HEARING LOSS
GS DEFECTS
#AUDITORY DEFECTS
RT AUDIOMETRY
BIOACOUSTICS
DISABILITIES
LOSSES

AUDITORY FATIGUE
0408
GS FATIGUE (BIOLOGY)
#AUDITORY FATIGUE
RT AUDIOLOGY
AUDIOMETRY
HEARING
NOISE THRESHOLD

AUDITORY PERCEPTION
0404 0408 0701 1409 2301
UF SOUND PERCEPTION
GS PERCEPTION
.SENSORY PERCEPTION
.#AUDITORY PERCEPTION
RT ACOUSTICS
AUDIO FREQUENCIES
AUDIOLOGY
AUDIOMETRY
AUDITORY SENSATION AREAS
BINAURAL HEARING
EAR
EARPHONES
MONAURAL SIGNALS
NOISE THRESHOLD
PSYCHOACOUSTICS
SENSITIVITY
SOUND LOCALIZATION
SOUND WAVES
SPEECH
THRESHOLDS (PERCEPTION)
WEBER TEST

AUDITORY SENSATION AREAS
0404 0408 2301
RT AUDITORY PERCEPTION

```
      AUDITORY STIMULI
      BIOACOUSTICS
      THRESHOLDS (PERCEPTION)

AUDITORY SIGNALS
  0404 0408 1410 2301
  UF  CHIMES
  RT  AUDIO SIGNALS
      BELLS
      CUES
      HORNS
      MONAURAL SIGNALS
      PSYCHOACOUSTICS
      SIGNAL MIXING
    % SIGNALS
      WARNING
      WARNING SYSTEMS

AUDITORY STIMULI
  0404 0408 2301
  GS  STIMULATION
      #AUDITORY STIMULI
  RT  ACOUSTICS
      AUDIOMETRY
      AUDITORY SENSATION AREAS
      NOISE (SOUND)
      NOISE INTENSITY
      SOUND GENERATORS
      SOUND INTENSITY
    % STIMULI
      THRESHOLDS (PERCEPTION)

AUDITORY TASKS
  0404 0408 0702
  GS  TASKS
      #AUDITORY TASKS
  RT  ACOUSTICS
      HEARING
      NOISE (SOUND)

AUFEIS (ICE)
  1305
  RT  ICE
      MELTING
      PERMAFROST
      RIVERS

AUGER EFFECT
  2401 2901 3008 3009
  RT  COSMIC RAY SHOWERS
    % EFFECTS
      ELECTRON TRANSITIONS

AUGER SPECTROSCOPY
  0601 2401 2901
  GS  SPECTROSCOPY
      #AUGER SPECTROSCOPY
  RT  CHEMICAL ANALYSIS
      ELECTRON TRANSITIONS
      SPECTROSCOPIC ANALYSIS
      THERMITES

AUGMENTATION
  1407 1901
  UF  ENHANCEMENT
  GS  #AUGMENTATION
      .STABILITY AUGMENTATION
      .THRUST AUGMENTATION
  RT  INCREASING
      SPATIAL FILTERING

AURIGA CONSTELLATION
  3001
  GS  CONSTELLATIONS
      #AURIGA CONSTELLATION
  RT  ZETA AURIGAE STAR

AURORA 7
  3104 3110 3409
  GS  MANNED SPACECRAFT
      .MERCURY SPACECRAFT
      .#AURORA 7
      REENTRY VEHICLES
      .RECOVERABLE SPACECRAFT
      ..MERCURY SPACECRAFT
      ..#AURORA 7
      SOFT LANDING SPACECRAFT
      .MERCURY SPACECRAFT
      .#AURORA 7
      SPACE CAPSULES
      .MERCURY SPACECRAFT
      .#AURORA 7
  RT  MERCURY MA-7 FLIGHT

AURORAL ABSORPTION
  0605 1302 2306
  GS  ATTENUATION
      .ATMOSPHERIC ATTENUATION
      .#AURORAL ABSORPTION
      ENERGY ABSORPTION
      .RADIATION ABSORPTION
      ..ELECTROMAGNETIC ABSORPTION
      ..#AURORAL ABSORPTION
  RT % ABSORPTION
      LIGHT EMISSION
      RIOMETERS

AURORAL ACTIVITY
  USE AURORAS

AURORAL ARCS
  0605 1302 1307 2003 2306 3009
  GS  ATMOSPHERIC RADIATION
      .AURORAS
      .#AURORAL ARCS
      ...RED ARCS
  RT % ARCS

AURORAL ECHOES
  0605 1302 2003 2306
  GS  ECHOES
      #AURORAL ECHOES
  RT  RADAR ECHOES
      RADIO ECHOES

AURORAL ELECTROJETS
  0605 1302 2003 2306 2402
  GS  ELECTRIC CURRENT
      .IONOSPHERIC CURRENTS
      ..ELECTROJETS
      ..#AURORAL ELECTROJETS
      ELECTRICITY
      .ATMOSPHERIC ELECTRICITY
      ..IONOSPHERIC CURRENTS
      ...ELECTROJETS
      ...#AURORAL ELECTROJETS
  RT  BIRKELAND CURRENTS
      EQUATORIAL ELECTROJET
      TELLURIC CURRENTS

AURORAL IONIZATION
  0605 1302 2003 2306 2403 2902
  GS  IONIZATION
      .GAS IONIZATION
      ..ATMOSPHERIC IONIZATION
      ..#AURORAL IONIZATION
  RT  AURORAS
      EXCITATION
      LIGHT EMISSION
      PHOTOIONIZATION
      RED ARCS

AURORAL IRRADIATION
  0605 1302 2003 2306 2403 2903
  GS  IRRADIATION
      #AURORAL IRRADIATION
  RT  AURORAS
      ELECTRON IRRADIATION
      EXCITATION
      ION IRRADIATION
      PHOTOIONIZATION

AURORAL SPECTROSCOPY
  0605 1302 1411 2003 2306
  GS  SPECTROSCOPY
```

#AURORAL SPECTROSCOPY
RT CHANNEL MULTIPLIERS
FABRY-PEROT SPECTROMETERS
LIGHT EMISSION
OPTICAL EMISSION SPECTROSCOPY
SPECTROSCOPIC ANALYSIS
VISIBLE SPECTRUM

AURORAL TEMPERATURE
1302 2003 2402 3303 2903
GS TEMPERATURE
.ATMOSPHERIC TEMPERATURE
.#AURORAL TEMPERATURE
RT AURORAS
ION TEMPERATURE
IONOSPHERIC TEMPERATURE

AURORAL ZONES
0605 1302 1307 2003 2306 2903
GS REGIONS
#AURORAL ZONES
RT AURORAS
BIRKELAND CURRENTS
MAGNETIC POLES
POLAR RADIO BLACKOUT
POLAR REGIONS

AURORAS
1302 1308 2902
UF AURORAL ACTIVITY
POLAR AURORAS
GS ATMOSPHERIC RADIATION
#AURORAS
..AURORAL ARCS
...RED ARCS
..RADIO AURORAS
RT AERONOMY
AIRGLOW
AURORAL IONIZATION
AURORAL IRRADIATION
AURORAL TEMPERATURE
AURORAL ZONES
DAWN CHORUS
EARTH ATMOSPHERE
ELECTRON PRECIPITATION
ESRO 4 SATELLITE
LIGHT EMISSION
MAGNETIC DISTURBANCES
NIGHT SKY
PROTON PRECIPITATION
SKY BRIGHTNESS
SOLAR ACTIVITY
X RAYS

AUSFORMING
1704 3404
GS FORMING TECHNIQUES
.HOT WORKING
.#AUSFORMING
METAL WORKING
#AUSFORMING
RT FORGING
% ROLLING

AUSTENITE
1701 1704
RT ALLOTROPY
FERRITES
IRON ALLOYS
MARTENSITE
MARTENSITIC TRANSFORMATION
MICROSTRUCTURE
STEELS

AUSTENITIC STAINLESS STEELS
1701 1704
GS ALLOYS
.IRON ALLOYS
..STEELS
...STAINLESS STEELS
...#AUSTENITIC STAINLESS STEELS
RT MARTENSITIC STAINLESS STEELS
TIME TEMPERATURE PARAMETER

AUSTIN COMET
1901 3001
GS CELESTIAL BODIES
.COMETS
.#AUSTIN COMET

AUSTRALIA
1305
GS CONTINENTS
#AUSTRALIA
NATIONS
#AUSTRALIA
RT AUSTRALIAN SPACE PROGRAM
PAPUA NEW GUINEA
TASMANIA
TORRES STRAIT

AUSTRALIAN SPACE PROGRAM
3009 3409
GS PROGRAMS
.SPACE PROGRAMS
.#AUSTRALIAN SPACE PROGRAM
RT AUSTRALIA

AUSTRALITES
1805 3005
GS CELESTIAL BODIES
.METEORITES
..STONY METEORITES
...TEKTITES
...#AUSTRALITES
RT BEDIASITES

AUSTRIA
1305
GS NATIONS
#AUSTRIA
RT ALPS MOUNTAINS (EUROPE)
AUSTRIAN SPACE PROGRAM
CENTRAL EUROPE
EUROPE

AUSTRIAN SPACE PROGRAM
3009 3409
GS PROGRAMS
.SPACE PROGRAMS
..EUROPEAN SPACE PROGRAMS
..#AUSTRIAN SPACE PROGRAM
RT AUSTRIA

AUTOCATALYSIS
0603
GS CATALYSIS
#AUTOCATALYSIS
RT ABIOGENESIS
CATALYTIC ACTIVITY
REACTION KINETICS

AUTOCLAVES
0504 1504
RT AUTOCLAVING
CHEMICAL REACTORS
% CONTAINERS
PRESSURE VESSELS

AUTOCLAVING
0504 1504 3407
RT AUTOCLAVES
CURING
HEATING
LEACHING
POWDER METALLURGY

AUTOCODERS
0801
GS LANGUAGES
.PROGRAMMING LANGUAGES
..ASSEMBLY LANGUAGE
..#AUTOCODERS
RT COMPILERS
COMPUTER PROGRAMMING

```
        COMPUTER SYSTEMS PROGRAMS
        MACHINE ORIENTED LANGUAGES

AUTOCOLLIMATORS
  USE   COLLIMATORS

AUTOCORRELATION
  1902 1905
  GS    CORRELATION
        #AUTOCORRELATION
  RT    CROSS CORRELATION
        DATA CORRELATION
        FOURIER ANALYSIS
        PERIODIC VARIATIONS
        TIME SERIES ANALYSIS

AUTODYNES
  0701 0902 0905 1001 1002
  GS    CIRCUITS
        #AUTODYNES
        OSCILLATORS
        #AUTODYNES
  RT %  DETECTORS
        FREQUENCY CONTROL
        HETERODYNING
        SIGNAL ANALYZERS
        SIGNAL DETECTION
        SIGNAL DETECTORS
        VACUUM TUBE OSCILLATORS

AUTOGYROS
  0206
  GS    V/STOL AIRCRAFT
        .ROTARY WING AIRCRAFT
        .#AUTOGYROS
        ...AVIAN 2/180 AUTOGIRO

AUTOIONIZATION
  0603 2401 2404
  GS    DISSOCIATION
        #AUTOIONIZATION
        IONIZATION
        #AUTOIONIZATION
  RT    ATOMIC COLLISIONS
        MANY ELECTRON EFFECTS

AUTOKINESIS
  0401 2306 2310
  GS    PERCEPTION
        .SENSORY PERCEPTION
        ..PROPRIOCEPTION
        ..#AUTOKINESIS
        ..VISUAL PERCEPTION
        ...SPACE PERCEPTION
        ...#AUTOKINESIS

AUTOMATA THEORY
  1504 3404 4001
  RT    ADAPTIVE CONTROL
        ARTIFICIAL INTELLIGENCE
      % AUTOMATION
        BIONICS
        COMPUTERS
        CYBERNETICS
        DEPERSONALIZATION
        HEURISTIC METHODS
        INFORMATION THEORY
        MACHINE LEARNING
        MODEL REFERENCE ADAPTIVE CONTROL
        ROBOTICS
        ROBOTS
        SELF ADAPTIVE CONTROL SYSTEMS
      % THEORIES
        TURING MACHINES

AUTOMATED EN ROUTE ATC
  0203
  GS    GROUND BASED CONTROL
        .AIR TRAFFIC CONTROL
        .#AUTOMATED EN ROUTE ATC
        TRAFFIC CONTROL
        .AIR TRAFFIC CONTROL
        .#AUTOMATED EN ROUTE ATC
  RT    AIRCRAFT GUIDANCE
        APPROACH CONTROL
        AUTOMATED PILOT ADVISORY SYSTEM
        FLIGHT CONTROL
        GROUND-AIR-GROUND COMMUNICATION
        MICROWAVE LANDING SYSTEMS

AUTOMATED GUIDEWAY TRANSIT VEHICLES
  1201
  UF    AGT
  GS    SURFACE VEHICLES
        .AUTOMATED TRANSIT VEHICLES
        .#AUTOMATED GUIDEWAY TRANSIT
          VEHICLES
  RT    AUTOMATED MIXED TRAFFIC VEHICLES
        CONVEYORS
        PASSENGERS
        RAIL TRANSPORTATION
        RAPID TRANSIT SYSTEMS
        TRANSPORTATION
        URBAN TRANSPORTATION
      % VEHICLES

AUTOMATED MIXED TRAFFIC VEHICLES
  3405
  UF    AMTV
  GS    RESEARCH VEHICLES
        #AUTOMATED MIXED TRAFFIC VEHICLES
        SURFACE VEHICLES
        .MOTOR VEHICLES
        .#AUTOMATED MIXED TRAFFIC VEHICLES
  RT    AUTOMATED GUIDEWAY TRANSIT VEHICLES
        PASSENGERS
        URBAN TRANSPORTATION
      % VEHICLES

AUTOMATED PILOT ADVISORY SYSTEM
  0203
  RT    AIR TRAFFIC CONTROL
        AUTOMATED EN ROUTE ATC
        AUTOMATIC TRAFFIC ADVISORY AND
        RESOLUTION
      % SYSTEMS

AUTOMATED RADAR TERMINAL SYSTEM
  0704
  RT    AIR TRAFFIC CONTROL
        RADAR EQUIPMENT
        RADAR TRACKING
      % SYSTEMS

AUTOMATED TRANSIT VEHICLES
  1201
  GS    SURFACE VEHICLES
        #AUTOMATED TRANSIT VEHICLES
        ..AUTOMATED GUIDEWAY TRANSIT
          VEHICLES
  RT    CONVEYORS
        ELECTRIC MOTOR VEHICLES
        PASSENGERS
        RAIL TRANSPORTATION
        RAPID TRANSIT SYSTEMS
        TRANSPORTATION
        URBAN TRANSPORTATION
      % VEHICLES

AUTOMATIC CONTROL
  0203 0504 0702 1402 1504 2102 2402
  4001
  UF    SELF REGULATING
  GS   #AUTOMATIC CONTROL
        .ADAPTIVE CONTROL
        ..ACTIVE CONTROL
        ..MACHINE LEARNING
        ..MODEL REFERENCE ADAPTIVE CONTROL
        ..SELF ADAPTIVE CONTROL SYSTEMS
        .AUTOMATIC FLIGHT CONTROL
        ..AUTOMATIC LANDING CONTROL
        .AUTOMATIC FREQUENCY CONTROL
        .AUTOMATIC GAIN CONTROL
        .DYNAMIC CONTROL
        .FEEDBACK CONTROL
```

..CASCADE CONTROL
.FEEDFORWARD CONTROL
.NUMERICAL CONTROL
.OFF-ON CONTROL
.OPTIMAL CONTROL
..H-INFINITY CONTROL
..LINEAR QUADRATIC REGULATOR
...LINEAR QUADRATIC GAUSSIAN CONTROL
..TIME OPTIMAL CONTROL
.PROPORTIONAL CONTROL
.SELF ALIGNMENT
.SEQUENTIAL CONTROL
RT AIRCRAFT CONTROL
ATTITUDE CONTROL
% AUTOMATION
COMBUSTION CONTROL
% CONTROL
CONTROL EQUIPMENT
CONTROL SYSTEMS DESIGN
CONTROLLERS
DEPERSONALIZATION
DIRECTIONAL CONTROL
DYNAMIC CHARACTERISTICS
ELECTRIC CONTROL
ELECTRONIC AIRCRAFT
ELECTRONIC CONTROL
ENGINE CONTROL
ENVIRONMENTAL CONTROL
FLIGHT CONTROL
GROUND BASED CONTROL
GUIDANCE (MOTION)
HELICOPTER CONTROL
HYDRAULIC CONTROL
% INSTRUMENTS
JET CONTROL
LANDING INSTRUMENTS
LATERAL CONTROL
LONGITUDINAL CONTROL
MANUAL CONTROL
MEASURING INSTRUMENTS
MISSILE CONTROL
NEGATIVE FEEDBACK
OPTICAL CONTROL
PNEUMATIC CONTROL
RADIO CONTROL
REAL TIME OPERATION
RECORDING INSTRUMENTS
REENTRY GUIDANCE
REGULATORS
RELIEF VALVES
REMOTE CONTROL
ROBOTICS
ROCKET ENGINE CONTROL
SAMPLED DATA SYSTEMS
SATELLITE ATTITUDE CONTROL
SATELLITE CONTROL
SATELLITE GUIDANCE
SELF ABSORPTION
SERVOCONTROL
SERVOMECHANISMS
SERVOMOTORS
SPACECRAFT CONTROL
SPACECRAFT GUIDANCE
SPEED CONTROL
STABILITY AUGMENTATION
TEMPERATURE CONTROL
TERMINAL CONFIGURED VEHICLE PROGRAM
THERMOSTATS
THRUST VECTOR CONTROL
TRACKING PROBLEM
TRANSFER FUNCTIONS
TURBOJET ENGINE CONTROL

AUTOMATIC CONTROL VALVES
1201 1504 3501
GS VALVES
#AUTOMATIC CONTROL VALVES
..PRESSURE REGULATORS
..RELIEF VALVES
RT ACTUATORS
% CONTROL
DAMPERS (VALVES)
DYNAMIC CHARACTERISTICS
FLUID AMPLIFIERS
FLUID SWITCHING ELEMENTS
GAS VALVES
HYDRAULIC EQUIPMENT
PNEUMATIC CONTROL
REGULATORS
SERVOMECHANISMS
SOLENOID VALVES
TEMPERATURE CONTROL

AUTOMATIC DATA PROCESSING
USE DATA PROCESSING

AUTOMATIC FLIGHT CONTROL
0203
UF AFCS (CONTROL SYSTEM)
GS AUTOMATIC CONTROL
#AUTOMATIC FLIGHT CONTROL
..AUTOMATIC LANDING CONTROL
FLIGHT CONTROL
#AUTOMATIC FLIGHT CONTROL
..AUTOMATIC LANDING CONTROL
RT AIRCRAFT CONTROL
AIRCRAFT INSTRUMENTS
AUTONOMOUS NAVIGATION
% CONTROL
DISTANCE MEASURING EQUIPMENT
FLIGHT MANAGEMENT SYSTEMS
HIGHLY MANEUVERABLE AIRCRAFT
MISSILE CONTROL
NAVIGATION
NAVIGATION AIDS
RADAR NAVIGATION
RADIO NAVIGATION
SOLAR COMPASSES
TERMINAL CONFIGURED VEHICLE PROGRAM
THRUST VECTOR CONTROL

AUTOMATIC FREQUENCY CONTROL
1406 1504
UF AFC (CONTROL)
GS AUTOMATIC CONTROL
#AUTOMATIC FREQUENCY CONTROL
REGULATORS
.FREQUENCY CONTROL
.#AUTOMATIC FREQUENCY CONTROL
RT % CONTROL
FEEDBACK CONTROL
FREQUENCY MODULATION
OSCILLATORS
TUNING

AUTOMATIC GAIN CONTROL
0902 1504
UF AGC (CONTROL)
GS AUTOMATIC CONTROL
#AUTOMATIC GAIN CONTROL
RT % CONTROL
FEEDBACK CONTROL
TUNING

AUTOMATIC LANDING CONTROL
0203
GS AUTOMATIC CONTROL
.AUTOMATIC FLIGHT CONTROL
.#AUTOMATIC LANDING CONTROL
FLIGHT CONTROL
.AUTOMATIC FLIGHT CONTROL
.#AUTOMATIC LANDING CONTROL
LANDING AIDS
.INSTRUMENT LANDING SYSTEMS
.#AUTOMATIC LANDING CONTROL
RT AIRBORNE EQUIPMENT
AIRCRAFT EQUIPMENT
BLIND LANDING
DISTANCE MEASURING EQUIPMENT
FLIGHT MANAGEMENT SYSTEMS
MICROWAVE LANDING SYSTEMS
TERMINAL CONFIGURED VEHICLE PROGRAM

AUTOMATIC LIGHT AIRCRAFT READINESS MONITOR

```
  USE  ALARM PROJECT

AUTOMATIC PATTERN RECOGNITION
  USE  PATTERN RECOGNITION

AUTOMATIC PICTURE TRANSMISSION
  0702 0706
  UF   APT (PICTURE TRANSMISSION)
  GS   TRANSMISSION
       .SIGNAL TRANSMISSION
       ..DATA TRANSMISSION
       ..#AUTOMATIC PICTURE TRANSMISSION
  RT   TELEVISION TRANSMISSION
       WAVE PROPAGATION

AUTOMATIC PILOTS
  0203 2102
  UF   AUTOPILOTS
  GS   AIRCRAFT INSTRUMENTS
       #AUTOMATIC PILOTS
       FLIGHT INSTRUMENTS
       #AUTOMATIC PILOTS
  RT   AIRCRAFT EQUIPMENT
       FLIGHT CONTROL
       GYROSCOPES
       HIGHLY MANEUVERABLE AIRCRAFT
       HOMING
       LANDING AIDS
       NAVIGATION AIDS
     % PILOTS
       RADIO ALTIMETERS
       SOLAR COMPASSES

AUTOMATIC REPEAT QUERY
  USE  AUTOMATIC REPEAT REQUEST

AUTOMATIC REPEAT REQUEST
  0702 0708 0802 0803
  UF   ARQ (COMMUNICATION)
       AUTOMATIC REPEAT QUERY
       AUTOMATIC REQUEST FOR
       RETRANSMISSION
  RT   DATA TRANSMISSION
       ERROR CORRECTING CODES
       ERROR SIGNALS
       MESSAGE PROCESSING
       MESSAGES
       PACKET TRANSMISSION
       TELECOMMUNICATION

AUTOMATIC REQUEST FOR RETRANSMISSION
  USE  AUTOMATIC REPEAT REQUEST

AUTOMATIC ROCKET IMPACT PREDICTORS
  USE  COMPUTERIZED SIMULATION
       IMPACT PREDICTION

AUTOMATIC TEST EQUIPMENT
  1106 1108 1406 1504 3404 3501
  RT % EQUIPMENT
       MEASURING INSTRUMENTS
       SELF TESTS
       SNEAK CIRCUIT ANALYSIS
     % TEST EQUIPMENT

AUTOMATIC TRAFFIC ADVISORY AND RESOLUTION
  0203
  SN   (AUTOMATIC TRAFFIC ADVISORY AND
       RESOLUTION SERVICE)
  UF   ATARS
  RT   AUTOMATED PILOT ADVISORY SYSTEM
       COLLISION AVOIDANCE
       GROUND BASED CONTROL
       NAVIGATION AIDS
       RESOLUTION
     % SYSTEMS

AUTOMATIC TYPEWRITERS
  0801 0802 0905
  UF   FLEXOWRITERS (TRADEMARK)
  GS   TYPEWRITERS
       #AUTOMATIC TYPEWRITERS
  RT   CONSOLES
       DISPLAY DEVICES
       PRINTERS (DATA PROCESSING)
       PUNCHED TAPES

AUTOMATIC WEATHER STATIONS
  1101
  GS   STATIONS
       .WEATHER STATIONS
       .#AUTOMATIC WEATHER STATIONS
  RT   DATA ACQUISITION
       DATA COLLECTION PLATFORMS
       INSTRUMENT PACKAGES
       METEOROLOGICAL SERVICES
       OCEAN DATA ACQUISITIONS SYSTEMS
       REMOTE SENSORS
       WEATHER DATA RECORDERS

% AUTOMATION
  0506 1003 1504 3406 4001
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  UF   INSTRUMENTAL ANALYSIS
  RT   AUTOMATA THEORY
       AUTOMATIC CONTROL
       COMMAND AND CONTROL
       COMPUTER VISION
       COMPUTERS
       CONTROL SYSTEMS DESIGN
       CONTROLLERS
       CYBERNETICS
       DATA PROCESSING
       DEPERSONALIZATION
       FAIL-SAFE SYSTEMS
       FEEDBACK CONTROL
       FEEDFORWARD CONTROL
       INFORMATION THEORY
       MAN MACHINE SYSTEMS
       MATERIALS HANDLING
       MECHANIZATION
       NUMERICAL CONTROL
       OFFICE AUTOMATION
       REMOTE CONTROL
       ROBOTICS
       SELF ERECTING DEVICES
       SELF REPAIRING DEVICES
       SERVOMECHANISMS
       SYSTEMS ENGINEERING
       TOOLING

AUTOMOBILE ACCIDENTS
  0405 0408 3201
  RT   ACCIDENT INVESTIGATION
       ACCIDENT PREVENTION
       ACCIDENTS
       SAFETY DEVICES

AUTOMOBILE ENGINES
  1504 3301 3404
  RT   EXTERNAL COMBUSTION ENGINES
       INTERNAL COMBUSTION ENGINES
       PISTON ENGINES
       ROTARY ENGINES
       STIRLING ENGINES
       TURBINE ENGINES
       WANKEL ENGINES

AUTOMOBILE FUELS
  2701
  GS   FUELS
       .CHEMICAL FUELS
       ..LIQUID FUELS
       ..#AUTOMOBILE FUELS
  RT   AIRCRAFT FUELS
       ANTIKNOCK ADDITIVES
       DIESEL FUELS
       GASOLINE
       HYDROCARBON FUELS
       INTERNAL COMBUSTION ENGINES
       SYNTHANE

AUTOMOBILES
```

1504 3404
UF JEEPS
GS SURFACE VEHICLES
.MOTOR VEHICLES
.#AUTOMOBILES
...ELECTRIC AUTOMOBILES
RT AIR BAG RESTRAINT DEVICES
ANTISKID DEVICES
CHASSIS
ELECTRIC HYBRID VEHICLES
ELECTRIC MOTOR VEHICLES
FUEL SYSTEMS
HYDROGEN ENGINES
IGNITION SYSTEMS
LUBRICATION SYSTEMS
% MILITARY VEHICLES
TRAILERS
TRUCKS
% VEHICLES

AUTOMORPHISMS
1902
GS ALGEBRA
.GROUP THEORY
..HOMOMORPHISMS
..#AUTOMORPHISMS

AUTONOMIC NERVOUS SYSTEM
0404 0408
GS ANATOMY
.NERVOUS SYSTEM
.#AUTONOMIC NERVOUS SYSTEM
...SYMPATHETIC NERVOUS SYSTEM
RT INVOLUNTARY ACTIONS
% SYSTEMS

AUTONOMOUS NAVIGATION
1410
RT AUTOMATIC FLIGHT CONTROL
CELESTIAL NAVIGATION
NAVIGATION AIDS
NAVIGATION INSTRUMENTS
SATELLITE NAVIGATION SYSTEMS
SPACE NAVIGATION
SPACECRAFT GUIDANCE

AUTONOMOUS SPACECRAFT CLOCKS
1406
GS MEASURING INSTRUMENTS
.TIME MEASURING INSTRUMENTS
..CLOCKS
..#AUTONOMOUS SPACECRAFT CLOCKS
RT ATOMIC CLOCKS
GLOBAL POSITIONING SYSTEM
SPACECRAFT INSTRUMENTS
TDR SATELLITES

AUTONOMY
3403 3406 4001
RT ADAPTIVE CONTROL
COMMAND AND CONTROL
% COMMANDS
% DIRECTION
EQUATIONS OF MOTION
MANAGEMENT
MODEL REFERENCE ADAPTIVE CONTROL
SELF ADAPTIVE CONTROL SYSTEMS

AUTOPILOTS
USE AUTOMATIC PILOTS

AUTOPSIES
0404 0405
RT DISSECTION
PATHOLOGY

AUTORADIOGRAPHY
0411 0605 1407
GS IMAGERY
.RADIOGRAPHY
.#AUTORADIOGRAPHY
PHOTOGRAPHY
#AUTORADIOGRAPHY
RT BLACK AND WHITE PHOTOGRAPHY

AUTOREGRESSIVE PROCESSES
1902
RT FACTOR ANALYSIS
% PROCESSES
REGRESSION ANALYSIS
STATISTICAL ANALYSIS

AUTOROTATION
0101 0201
UF WINDMILLING
GS GYRATION
.ROTATION
.#AUTOROTATION
RT ROTARY WING AIRCRAFT
ROTOCHUTES

AUTOTROPHS
0402 0407 0409
GS #AUTOTROPHS
.HYDROGENOMONAS
RT HETEROTROPHS

AUTUMN
2001
GS SEASONS
#AUTUMN
RT SPRING (SEASON)
SUMMER
WINTER

AUXILIARY EQUIPMENT (COMPUTERS)
USE PERIPHERAL EQUIPMENT (COMPUTERS)

AUXILIARY POWER SOURCES
0303 2802
GS #AUXILIARY POWER SOURCES
.CHEMICAL AUXILIARY POWER UNITS
.NUCLEAR AUXILIARY POWER UNITS
..SNAP
...FISSION ELECTRIC CELLS
....SNAP 2
....SNAP 4
....SNAP 8
....SNAP 10A
...SNAP 1
...SNAP 3
...SNAP 7
...SNAP 9A
...SNAP 11
...SNAP 13
...SNAP 15
...SNAP 17
...SNAP 19
...SNAP 21
...SNAP 23
...SNAP 27
...SNAP 29
...SNAP 50
..SPACE POWER REACTORS
...FISSION ELECTRIC CELLS
....SNAP 2
....SNAP 4
....SNAP 8
....SNAP 10A
...SNAP 50
...SPACE POWER UNIT REACTORS
.SOLAR AUXILIARY POWER UNITS
..ASTEC SOLAR TURBOELECTRIC GENERATOR
RT AIRCRAFT POWER SUPPLIES
DIRECT POWER GENERATORS
ELECTRIC BATTERIES
ELECTRIC GENERATORS
% ELECTRIC POWER
ELECTRIC POWER SUPPLIES
% ENERGY SOURCES
GROUND SUPPORT EQUIPMENT
% POWER SUPPLIES
SPACECRAFT POWER SUPPLIES
VOLTAGE CONVERTERS (AC TO AC)

VOLTAGE CONVERTERS (DC TO DC)

AUXILIARY PROPULSION
0303 2802
GS PROPULSION
#AUXILIARY PROPULSION
RT AERONAUTICAL ENGINEERING
% ASTRONAUTICS
ENGINES
HYDROGEN OXYGEN ENGINES
MARQUARDT R4D ENGINE
MISSILES
PROPELLANTS
PROPULSION SYSTEM CONFIGURATIONS
ROCKET PROPELLANTS
SPACE FLIGHT
SPACE SHUTTLES
SPACE STATION PROPULSION
% SPACECRAFT
THRUST

AV-8A AIRCRAFT
USE HARRIER AIRCRAFT

AV-8B AIRCRAFT
USE HARRIER AIRCRAFT

AVAILABILITY
3408
RT ABUNDANCE
ENERGY POLICY
RESERVES
RESOURCES

AVALANCHE DIODES
0902 0904 0905
UF IMPATT DIODES
TRAPATT DIODES
ZENER DIODES
GS ELECTRONIC EQUIPMENT
.DIODES
..SEMICONDUCTOR DIODES
..#AVALANCHE DIODES
.SOLID STATE DEVICES
..SEMICONDUCTOR DEVICES
..#AVALANCHE DIODES
....CRYOSAR
RECTIFIERS
#AVALANCHE DIODES
..CRYOSAR
RT BARRITT DIODES
ION IMPLANTATION
NEGATIVE CONDUCTANCE
TRAPATT DEVICES
VOLTAGE REGULATORS

AVALANCHES
1002 2401 2403
GS #AVALANCHES
.ELECTRON AVALANCHE
.TOWNSEND AVALANCHE
RT EARTH MOVEMENTS
ELECTRIC DISCHARGES
ION PRODUCTION RATES
IONIZING RADIATION

AVCS
USE ADVANCED VIDICON CAMERA SYSTEM (AVCS)

AVERAGE
1905
GS #AVERAGE
.MEAN
RT DISTRIBUTION MOMENTS
MEDIAN (STATISTICS)
MODE (STATISTICS)
NORMALITY
NORMS
QUALITY CONTROL

AVHRR
USE ADVANCED VERY HIGH RESOLUTION RADIOMETER

AVIAN 2/180 AUTOGIRO
1403
GS RESEARCH AIRCRAFT
#AVIAN 2/180 AUTOGIRO
V/STOL AIRCRAFT
.ROTARY WING AIRCRAFT
..AUTOGYROS
..#AVIAN 2/180 AUTOGIRO

AVIATION
USE AERONAUTICS

AVIATION METEOROLOGY
0201 2003
GS METEOROLOGY
#AVIATION METEOROLOGY
RT AIRCRAFT ACCIDENT INVESTIGATION
AIRCRAFT ACCIDENTS
AIRCRAFT HAZARDS
AIRCRAFT ICING
ATMOSPHERIC TURBULENCE
CIVIL AVIATION
CLEAR AIR TURBULENCE
DOWNBURSTS
FLIGHT CONDITIONS
FLIGHT HAZARDS
FLIGHT SAFETY
FOG
METEOROLOGICAL PARAMETERS
METEOROLOGICAL SERVICES
MICROBURSTS (METEOROLOGY)
% MILITARY AVIATION
NOWCASTING
NUMERICAL WEATHER FORECASTING
RUNWAY CONDITIONS
WIND SHEAR

AVIATION PSYCHOLOGY
0408
GS AEROSPACE MEDICINE
#AVIATION PSYCHOLOGY
PSYCHOLOGY
#AVIATION PSYCHOLOGY
RT AIRCRAFT PILOTS
MILITARY PSYCHOLOGY
PILOT TRAINING
PSYCHOLOGICAL EFFECTS
PSYCHOLOGICAL FACTORS
SPACE PSYCHOLOGY

AVIATORS
USE AIRCRAFT PILOTS

AVIONICS
0201 1002 1402 3404
RT % AERONAUTICS
AIRBORNE EQUIPMENT
AIRCRAFT COMMUNICATION
AIRCRAFT EQUIPMENT
AIRCRAFT INSTRUMENTS
ASTRIONICS
% ASTRONAUTICS
% CONTROL
% ELECTRONICS
FLIGHT MANAGEMENT SYSTEMS
GUIDANCE (MOTION)
HEAD-UP DISPLAYS
MODULARITY
SELF TESTS
SINGLE EVENT UPSETS
SYSTEMS INTEGRATION
% TEST EQUIPMENT
VIDEO LANDMARK ACQUISITION AND TRACKING

AVOIDANCE
3407
GS #AVOIDANCE
.COLLISION AVOIDANCE
..BEACON COLLISION AVOIDANCE SYSTEM

```
        .VORTEX AVOIDANCE
  RT    ACCIDENT PREVENTION
        HAZARDS
        TRAFFIC
        TRAFFIC CONTROL
        WARNING SYSTEMS

AVRO WHITWORTH HS-748 AIRCRAFT
  USE   HS-748 AIRCRAFT

AVRO 698 AIRCRAFT
  USE   VULCAN AIRCRAFT

AVRO 707 AIRCRAFT
  0201 1106
  GS    HAWKER SIDDELEY AIRCRAFT
        #AVRO 707 AIRCRAFT
        JET AIRCRAFT
        #AVRO 707 AIRCRAFT
        MONOPLANES
        #AVRO 707 AIRCRAFT
        RESEARCH AIRCRAFT
        #AVRO 707 AIRCRAFT
        TAILLESS AIRCRAFT
        #AVRO 707 AIRCRAFT
  RT %  AIRCRAFT
        DELTA WINGS
        VULCAN AIRCRAFT

AWACS AIRCRAFT
  0207 0709
  UF    AIRBORNE WARNING AND CONTROL SYSTEM
  GS   #AWACS AIRCRAFT
        .E-2 AIRCRAFT
        .E-3A AIRCRAFT
        .E-4A AIRCRAFT
  RT %  AIRCRAFT
        BOEING AIRCRAFT
        COMMAND AND CONTROL
        EARLY WARNING SYSTEMS
        GRUMMAN AIRCRAFT
     %  MILITARY AIRCRAFT
        MILITARY TECHNOLOGY

AWARDS
  3409
  SN    (EXCLUDES CONTACTS & GRANTS)
  RT    ASTRONAUTS
        BIOGRAPHY
        ENGINEERS
        SCIENTISTS

AXAF
  USE   X RAY ASTROPHYSICS FACILITY

AXES (COORDINATES)
  USE   COORDINATES

AXES (REFERENCE LINES)
  1902
  GS   #AXES (REFERENCE LINES)
        .AXES OF ROTATION
        ..EARTH AXIS
  RT    COORDINATES

AXES OF ROTATION
  0101 0102 2308
  GS    AXES (REFERENCE LINES)
        #AXES OF ROTATION
        ..EARTH AXIS
  RT    BODIES OF REVOLUTION
        ROTATING BODIES
        ROTATION
        SHAFTS (MACHINE ELEMENTS)
        SYMMETRICAL BODIES

AXIAL COMPRESSION LOADS
  3203
  GS    LOADS (FORCES)
        .AXIAL LOADS
        .#AXIAL COMPRESSION LOADS
        .COMPRESSION LOADS
        .#AXIAL COMPRESSION LOADS
  RT    AERODYNAMIC LOADS
        COMPRESSING
        DYNAMIC LOADS
        SHOCK LOADS
        STATIC LOADS
        STRUCTURAL DESIGN CRITERIA
        THRUST LOADS

AXIAL COMPRESSORS
  USE   TURBOCOMPRESSORS

AXIAL FLOW
  0101 0104 1203 3501
  GS    FLUID FLOW
        #AXIAL FLOW
  RT    ANNULAR FLOW
        AXISYMMETRIC FLOW
        COAXIAL FLOW
        COAXIAL NOZZLES
        COUNTERFLOW
        DISCHARGE COEFFICIENT
        FLOW GEOMETRY
        ONE DIMENSIONAL FLOW
        RADIAL FLOW
        THREE DIMENSIONAL FLOW
        TWO DIMENSIONAL FLOW

AXIAL FLOW COMPRESSORS
  USE   TURBOCOMPRESSORS

AXIAL FLOW PUMPS
  0104 1501
  GS    PUMPS
        #AXIAL FLOW PUMPS
        ..TURBINE PUMPS
  RT    CENTRIFUGAL PUMPS
        FUEL PUMPS

AXIAL FLOW TURBINES
  0104 1504
  GS    TURBOMACHINERY
        .TURBINES
        .#AXIAL FLOW TURBINES
  RT    GAS TURBINE ENGINES
        GAS TURBINES
        STEAM TURBINES

AXIAL LOADS
  3203 3204
  GS    LOADS (FORCES)
        #AXIAL LOADS
        ..AXIAL COMPRESSION LOADS
  RT    AERODYNAMIC LOADS
        COMPRESSION LOADS
        DYNAMIC LOADS
        STATIC LOADS
        STRUCTURAL DESIGN CRITERIA
        THRUST LOADS

AXIAL MODES
  0901
  GS    MODES
        #AXIAL MODES
  RT    COMBUSTION STABILITY
        LASER MODES
        PROPELLANT COMBUSTION
        ROCKET ENGINES

AXIAL STRAIN
  3203 3204
  UF    AXISYMMETRIC DEFORMATION
        UNIAXIAL STRAIN
  GS    DEFORMATION
        #AXIAL STRAIN
  RT    ELASTIC DEFORMATION
        STRESS-STRAIN DIAGRAMS
        STRUCTURAL STRAIN

AXIAL STRESS
  3203 3204
  GS    STRESSES
        #AXIAL STRESS
```

```
  RT   TENSILE STRESS

AXIOMS
  1902
  UF   POSTULATES
  GS   MATHEMATICAL LOGIC
       #AXIOMS
  RT   KNOWLEDGE
     % LOGIC
     % MATHEMATICS

AXISYMMETRIC BODIES
  0101 0102 3202
  GS   SYMMETRICAL BODIES
       #AXISYMMETRIC BODIES
  RT   BLUNT BODIES
     % BODIES
       BODIES OF REVOLUTION
       CONICAL BODIES
       DUCTED BODIES
       LENTICULAR BODIES
       MISSILE BODIES
       SLENDER BODIES
       SLENDER CONES
       STREAMLINED BODIES

AXISYMMETRIC DEFORMATION
  USE  AXIAL STRAIN

AXISYMMETRIC FLOW
  0101 0102 1202 1203
  GS   FLUID FLOW
       #AXISYMMETRIC FLOW
       ..ANNULAR FLOW
       ..KARMAN-BODEWADT FLOW
  RT   AXIAL FLOW
       COAXIAL FLOW
       CONICAL FLOW
       COUETTE FLOW
       CROCCO METHOD
       CYLINDRICAL WAVES
       FLOW GEOMETRY
       HELICAL FLOW
       THREE DIMENSIONAL BOUNDARY LAYER

AXISYMMETRY
  USE  SYMMETRY

AXLES
  USE  SHAFTS (MACHINE ELEMENTS)

AXONS
  0404 0408 0503
  GS   CELLS (BIOLOGY)
       .NEURONS
       .#AXONS
  RT   NEUROTRANSMITTERS

AZEOTROPES
  0603
  RT   BINARY MIXTURES
       MIXTURES
       SOLUTIONS

AZERBAIJAN
  1305
  GS   NATIONS
       #AZERBAIJAN
  RT   ASIA
       EUROPE

AZIDES (INORGANIC)
  0603 1804
  GS   NITROGEN COMPOUNDS
       #AZIDES (INORGANIC)
       ..HYDROGEN AZIDES
       ..SODIUM AZIDES

AZIDES (ORGANIC)
  0403 0603 1804 1808
  GS   NITROGEN COMPOUNDS
       #AZIDES (ORGANIC)
       ..SODIUM AZIDES
       ..TRIAMINOGUANIDINIUM AZIDE
  RT   EXPLOSIVES

AZIMUTH
  1304 1901 2103 3001
  UF   SOLAR AZIMUTH
  RT   ALTITUDE
       ANGLES (GEOMETRY)
       ASTRONOMICAL COORDINATES
       BEARING (DIRECTION)
       CELESTIAL REFERENCE SYSTEMS
     % DIRECTION
       ELEVATION ANGLE
       LOOK ANGLES (TRACKING)
       NAVIGATION
     % ORIENTATION
       POSITION (LOCATION)

AZINES
  0403 1808
  GS   ORGANIC COMPOUNDS
       .CYCLIC COMPOUNDS
       ..HETEROCYCLIC COMPOUNDS
       ..#AZINES
       ....CYANURATES
       ....CYANURIC ACID
       ....MECLIZINE
       ....METHYLENE BLUE
       ....PHENOTHIAZINES
       PYRAZINES
       #AZINES
       ..CYANURATES
       ..CYANURIC ACID
       ..MECLIZINE
       ..METHYLENE BLUE
       ..PHENOTHIAZINES
  RT   DYES

AZO COMPOUNDS
  0403 1808
  GS   NITROGEN COMPOUNDS
       #AZO COMPOUNDS
       ..HMX
       ..RDX
  RT % CHEMICAL COMPOUNDS
       DYES

AZOLES
  0403 1808
  GS   ORGANIC COMPOUNDS
       .CYCLIC COMPOUNDS
       ..HETEROCYCLIC COMPOUNDS
       ..#AZOLES
       ....ACETAZOLAMIDE
       ....OXAZOLE
       ....PYRROLES
       .....CARBAZOLES
       .....INDOLES
       ......TRYPTOPHAN

AZORES
  1305
  GS   NATIONS
       .PORTUGAL
       .#AZORES
  RT   ATLANTIC OCEAN
       ISLANDS

AZOTOBACTER
  0404 0407
  GS   MICROORGANISMS
       .BACTERIA
       .#AZOTOBACTER

AZULENE
  1808
  GS   ORGANIC COMPOUNDS
       .CYCLIC COMPOUNDS
       ..HETEROCYCLIC COMPOUNDS
       ..#AZULENE
       TERPENES
       #AZULENE
```

```
AZUR SATELLITE
  3107
  GS    ARTIFICIAL SATELLITES
        .SCIENTIFIC SATELLITES
        .#AZUR SATELLITE
  RT    EUROPEAN SPACE PROGRAMS
        INTERNATIONAL COOPERATION
        WEST GERMANY

A2F AIRCRAFT
  USE   A-6 AIRCRAFT

A3D AIRCRAFT
  USE   A-3 AIRCRAFT

A3J AIRCRAFT
  USE   A-5 AIRCRAFT

A4D AIRCRAFT
  USE   A-4 AIRCRAFT

B STARS
  3001
  UF    HELIUM STARS
  GS    CELESTIAL BODIES
        .STARS
        ..EARLY STARS
        ...HOT STARS
        ...#B STARS
        .....SIGMA ORIONIS
  RT    BLUE STARS
        HERBIG-HARO OBJECTS
        LIMB BRIGHTENING
        LIMB DARKENING
        PECULIAR STARS
        STELLAR COMPOSITION
        WOLF-RAYET STARS

B-A-W DEVICES
  USE   BULK ACOUSTIC WAVE DEVICES

B-1 AIRCRAFT
  0207 3401
  GS    ATTACK AIRCRAFT
        .BOMBER AIRCRAFT
        .#B-1 AIRCRAFT
        NORTH AMERICAN AIRCRAFT
        #B-1 AIRCRAFT
  RT %  AIRCRAFT
        BOMBING EQUIPMENT
        BOMBS (ORDNANCE)
        COMBAT
        JET AIRCRAFT
     %  MILITARY AIRCRAFT
        MULTIENGINE VEHICLES
        WARFARE
     %  WINGED VEHICLES

B-2 AIRCRAFT
  0201
  UF    STEALTH BOMBER
  GS    ATTACK AIRCRAFT
        .BOMBER AIRCRAFT
        .#B-2 AIRCRAFT
  RT %  AIRCRAFT
        JET AIRCRAFT
     %  MILITARY AIRCRAFT

B-26 AIRCRAFT
  0207 3401
  UF    INVADER AIRCRAFT
  GS    ATTACK AIRCRAFT
        .BOMBER AIRCRAFT
        .#B-26 AIRCRAFT
        MARTIN AIRCRAFT
        #B-26 AIRCRAFT
        MONOPLANES
        #B-26 AIRCRAFT
  RT %  AIRCRAFT

B-47 AIRCRAFT
  0207 3401
  UF    RB-47 AIRCRAFT
        STRATOJET AIRCRAFT
        XB-47 AIRCRAFT
  GS    ATTACK AIRCRAFT
        .BOMBER AIRCRAFT
        .#B-47 AIRCRAFT
        BOEING AIRCRAFT
        #B-47 AIRCRAFT
        JET AIRCRAFT
        #B-47 AIRCRAFT
        MONOPLANES
        #B-47 AIRCRAFT
  RT %  AIRCRAFT

B-50 AIRCRAFT
  0207
  GS    ATTACK AIRCRAFT
        .BOMBER AIRCRAFT
        .#B-50 AIRCRAFT
        BOEING AIRCRAFT
        #B-50 AIRCRAFT
        JET AIRCRAFT
        #B-50 AIRCRAFT
        MONOPLANES
        #B-50 AIRCRAFT
  RT %  AIRCRAFT

B-52 AIRCRAFT
  0207 3401
  UF    STRATOFORTRESS AIRCRAFT
  GS    ATTACK AIRCRAFT
        .BOMBER AIRCRAFT
        .#B-52 AIRCRAFT
        BOEING AIRCRAFT
        #B-52 AIRCRAFT
        JET AIRCRAFT
        #B-52 AIRCRAFT
        MONOPLANES
        #B-52 AIRCRAFT
  RT %  AIRCRAFT
        PEGASUS AIR-LAUNCHED BOOSTER
        TURBOFAN ENGINES

B-57 AIRCRAFT
  0207 3401
  UF    CANBERRA BOMBER
        RB-57 AIRCRAFT
  GS    ATTACK AIRCRAFT
        .BOMBER AIRCRAFT
        .#B-57 AIRCRAFT
        JET AIRCRAFT
        #B-57 AIRCRAFT
        MARTIN AIRCRAFT
        #B-57 AIRCRAFT
        MONOPLANES
        #B-57 AIRCRAFT
  RT %  AIRCRAFT
        CANBERRA AIRCRAFT

B-58 AIRCRAFT
  0207 3401
  UF    HUSTLER AIRCRAFT
  GS    ATTACK AIRCRAFT
        .BOMBER AIRCRAFT
        .#B-58 AIRCRAFT
        GENERAL DYNAMICS AIRCRAFT
        #B-58 AIRCRAFT
        JET AIRCRAFT
        #B-58 AIRCRAFT
        MONOPLANES
        #B-58 AIRCRAFT
        SUPERSONIC AIRCRAFT
        #B-58 AIRCRAFT
        TAILLESS AIRCRAFT
        #B-58 AIRCRAFT
  RT %  AIRCRAFT

B-66 AIRCRAFT
  0207 3401
  UF    DESTROYER AIRCRAFT
        RB-66 AIRCRAFT
  GS    ATTACK AIRCRAFT
```

```
        .BOMBER AIRCRAFT
        .#B-66 AIRCRAFT
        JET AIRCRAFT
        #B-66 AIRCRAFT
        MCDONNELL DOUGLAS AIRCRAFT
        .DOUGLAS AIRCRAFT
        .#B-66 AIRCRAFT
        MONOPLANES
        #B-66 AIRCRAFT
  RT % AIRCRAFT

B-70 AIRCRAFT
  0207 3401
  UF    VALKYRIE AIRCRAFT
        XB-70 AIRCRAFT
  GS    ATTACK AIRCRAFT
        .BOMBER AIRCRAFT
        .#B-70 AIRCRAFT
        JET AIRCRAFT
        #B-70 AIRCRAFT
        MONOPLANES
        #B-70 AIRCRAFT
        NORTH AMERICAN AIRCRAFT
        #B-70 AIRCRAFT
        RESEARCH AIRCRAFT
        #B-70 AIRCRAFT
        SUPERSONIC AIRCRAFT
        #B-70 AIRCRAFT
  RT % AIRCRAFT

B-103 AIRCRAFT
  USE   BUCCANEER AIRCRAFT

BABBITT METAL
  1701
  GS    ALLOYS
        .ANTIMONY ALLOYS
        .#BABBITT METAL
        .COPPER ALLOYS
        .#BABBITT METAL
        .TIN ALLOYS
        .#BABBITT METAL
  RT    BEARING ALLOYS

BABOONS
  0402
  GS    ANIMALS
        .VERTEBRATES
        ..MAMMALS
        ...PRIMATES
        ...#BABOONS

BAC AIRCRAFT
  0201
  UF    BRITISH AIRCRAFT CORP AIRCRAFT
  GS   #BAC AIRCRAFT
        .BAC 111 AIRCRAFT
        .CANBERRA AIRCRAFT
        .H-126 AIRCRAFT
        .JET PROVOST AIRCRAFT
        .SCIMITAR AIRCRAFT
        .TSR-2 AIRCRAFT
        .VALIANT AIRCRAFT
        .VC-10 AIRCRAFT
        .VISCOUNT AIRCRAFT
  RT % AIRCRAFT

BAC TSR 2 AIRCRAFT
  USE   TSR-2 AIRCRAFT

BAC 111 AIRCRAFT
  0204
  GS    BAC AIRCRAFT
        #BAC 111 AIRCRAFT
        JET AIRCRAFT
        .TURBOFAN AIRCRAFT
        .#BAC 111 AIRCRAFT
        MONOPLANES
        #BAC 111 AIRCRAFT
        PASSENGER AIRCRAFT
        #BAC 111 AIRCRAFT
        TRANSPORT AIRCRAFT
        #BAC 111 AIRCRAFT
  RT % AIRCRAFT

BACILLUS
  0404 0407
  SN    (RESTRICTED TO MEMBERS OF THE
        GENUS BACILLUS; DOES NOT INCLUDE
        GENERAL MORPHOLOGICAL
        CLASSIFICATIONS)
  GS    MICROORGANISMS
        .BACTERIA
        .#BACILLUS
        ...STEAROTHERMOPHILUS

BACK INJURIES
  0405 0408
  GS    INJURIES
        #BACK INJURIES
  RT    WHIPLASH INJURIES

BACKFIRE
  0202 0203 2801 2808 3110 3301
  RT    COMBUSTION
        DEFLAGRATION
        EXPLOSIONS
        FIRES
        FLAME DEFLECTORS
        FLAME PROPAGATION
        FLASHBACK

BACKFIRE ANTENNAS
  0701 0901
  GS    ANTENNAS
        #BACKFIRE ANTENNAS
  RT    ANTENNA RADIATION PATTERNS
        DIPOLE ANTENNAS
        ENDFIRE ARRAYS
        MICROWAVE ANTENNAS
        RADIO ANTENNAS

BACKGROUND NOISE
  0704 1406 1409 3501
  RT    CHANNEL NOISE
        COSMIC NOISE
        ELASTIC WAVES
        ELECTROMAGNETIC NOISE
        IONOSPHERIC NOISE
     % NOISE
        NOISE (SOUND)
        NOISE MEASUREMENT
        NOISE SPECTRA
        NOISE THRESHOLD
     % RADIATION
        RANDOM NOISE
     % RAYS
        SIGNAL TO NOISE RATIOS
        SQUELCH CIRCUITS

BACKGROUND RADIATION
  1406 1409 2402 2901 2902 2903
  RT    BIG BANG COSMOLOGY
        CONTINUOUS RADIATION
        CORPUSCULAR RADIATION
        COSMIC BACKGROUND EXPLORER
        SATELLITE
        COSMIC NOISE
        ELECTROMAGNETIC NOISE
        EXTRATERRESTRIAL RADIATION
        HIGH ALTITUDE TESTS
        IONOSPHERIC NOISE
     % RADIATION
        RELIC RADIATION
        SKY RADIATION

BACKINGS
  USE   BACKUPS

BACKLOBES
  0702 0705 0710 0901
  RT    ANTENNA DESIGN
        ANTENNA RADIATION PATTERNS
        DIRECTIONAL ANTENNAS
     % LOBES
```

```
BACKSCATTERING
  0601 0710 2402 2403 2901 2902 2903
  GS   SCATTERING
       #BACKSCATTERING
  RT   DIFFERENTIAL ABSORPTION LIDAR
       FORWARD SCATTERING
       LASER PLASMA INTERACTIONS
       MICROWAVE SIGNATURES
       NUCLEAR SCATTERING
       SCATTER PROPAGATION

BACKSHORES
  USE  BEACHES

BACKUPS
  3202 3404
  UF   BACKINGS
  RT   REDUNDANT COMPONENTS
       RESERVES
       WELDING

BACKWARD DIFFERENCING
  3203 3501
  RT   DIFFERENTIAL EQUATIONS
       NUMERICAL STABILITY
       PROBLEM SOLVING

BACKWARD FACING STEPS
  0102
  UF   REARWARD FACING STEPS
  RT   BOUNDARY LAYER FLOW
       FLOW GEOMETRY
       FLUID BOUNDARIES
       REATTACHED FLOW
       RECIRCULATIVE FLUID FLOW
       STAIRSTEPS
     % STEPS

BACKWARD WAVE TUBES
  0710 0905 1002
  GS   ELECTRON TUBES
       .VACUUM TUBES
       ..MICROWAVE TUBES
       ...TRAVELING WAVE TUBES
       ...#BACKWARD WAVE TUBES
       .....HELITRONS
       MICROWAVE EQUIPMENT
       .MICROWAVE TUBES
       ..TRAVELING WAVE TUBES
       ..#BACKWARD WAVE TUBES
       ....HELITRONS
  RT   BEAM CURRENTS
       ELECTRON TRANSFER
       MICROWAVE OSCILLATORS

BACKWARD WAVES
  0710 1002
  RT   ELASTIC WAVES
       ELECTROMAGNETIC RADIATION
       SOLITARY WAVES
       TRANSMISSION LINES
       TRAVELING WAVE TUBES
       TRAVELING WAVES

BACKWASH
  0101 1202 2801 2808
  SN   (EXCLUDES PROCESSES OF BACKWASHING)
  UF   SIDEWASH
  RT   BOUNDARY LAYER STABILITY
       DOWNWASH
       SLIPSTREAMS
       STROUHAL NUMBER
       TURBULENCE
       WAKES

BACTERIA
  0407 0409
  GS   MICROORGANISMS
       #BACTERIA
       ..ACTINOMYCETES
       ..ARCHAEBACTERIA
       ..AZOTOBACTER
       ..BACILLUS
       ...STEAROTHERMOPHILUS
       ..CLOSTRIDIUM
       ...CLOSTRIDIUM BOTULINUM
       ..ESCHERICHIA
       ..HYDROGENOMONAS
       ..KLEBSIELLA
       ..NITROBACTER
       ..PSEUDOMONAS
       ..SALMONELLA
       ..SARCINA
       ..SERRATIA
       ..STAPHYLOCOCCUS
       ..STREPTOCOCCUS
       ..STREPTOMYCETES
  RT   AEROBES
       ANAEROBES
       BACTERIOLOGY
       BLIGHT
       COLONIES
       EUKARYOTES
       GNOTOBIOTICS
       INVERTEBRATES
       PANSPERMIA
       PATHOGENS
       PROKARYOTES
       SAPROPHYTES
       WASTE TREATMENT

BACTERIAL DISEASES
  0404 0405 0407 0408 0409 0410 0412
  SN   (EXCLUDES PLANT DISEASES)
  GS   DISEASES
       .INFECTIOUS DISEASES
       .#BACTERIAL DISEASES
       ...CHOLERA
       ...DIPHTHERIA
       ...SYPHILIS
       ...TUBERCULOSIS
       ...TYPHOID
       ...TYPHUS
  RT   CLOSTRIDIUM
       CONJUNCTIVITIS
       DERMATITIS
       ENCEPHALITIS
       MENINGITIS
       NEPHRITIS
       PNEUMONIA

BACTERICIDES
  0405 0505
  UF   GERMICIDES
  RT   ANTIINFECTIVES AND ANTIBACTERIALS
       ANTISEPTICS
       CHEMICAL STERILIZATION
       ETHYLENE OXIDE
       FUMIGATION
       STERILIZATION

BACTERIOLOGY
  0404
  GS   MICROBIOLOGY
       #BACTERIOLOGY
  RT   ARCHAEBACTERIA
       BACTERIA
       BIOCHEMISTRY
     % BIOLOGY
       CLOSTRIDIUM BOTULINUM
       COLONIES
       ENDOTOXINS
       GNOTOBIOTICS
       VACCINES

BACTERIOPHAGES
  0404 0405 0407
  GS   MICROORGANISMS
       .VIRUSES
       .#BACTERIOPHAGES
  RT   INTERFERON

BADLANDS
  1303 1304 1308
```

```
  GS    LAND
        #BADLANDS
  RT    BARREN LAND
        TOPOGRAPHY

BAFFLES
  1504
  RT    ATTENUATORS
      % BARRIERS
        BLAST DEFLECTORS
        CONICAL FLOW
        DAMPING
        DEFLECTORS
      % DIFFUSERS
        DIVERTERS
        DIVIDERS
        DUCTS
        FLAME DEFLECTORS
        LIQUID SLOSHING
        LOUVERS
        MIXERS
        MUFFLERS
        PANELS
        REFLECTORS
        SHIELDING
        SUPPRESSORS

BAGGAGE
  0202 1103 1502
  GS    CARGO
        #BAGGAGE
  RT    AIR CARGO
        BAGS
        GROUND HANDLING

BAGS
  0202 0205 0505 1502 1703 1805 3203
  GS   #BAGS
        .AIR BAG RESTRAINT DEVICES
        .GAS BAGS
  RT    BAGGAGE
      % CONTAINERS
        PACKAGES

BAHAMAS
  1305
  GS    LANDFORMS
        .ISLANDS
        ..WEST INDIES
        ..#BAHAMAS
        NATIONS
        #BAHAMAS
  RT    CARIBBEAN REGION

BAHRAIN
  1305
  GS    LANDFORMS
        .ISLANDS
        .#BAHRAIN
        NATIONS
        #BAHRAIN

BAILOUT
  0208
  RT    AIR DROP OPERATIONS
        EJECTION
        EJECTION INJURIES
        EJECTION SEATS
        EJECTION TRAINING
        ESCAPE (ABANDONMENT)
        ESCAPE SYSTEMS
        FLYING EJECTION SEATS
        JETTISON SYSTEMS
        JETTISONING
        PARACHUTE DESCENT

BAINITE
  1701 1704
  RT    BAINITIC STEEL
        IRON ALLOYS
        MICROSTRUCTURE
        STEELS

BAINITIC STEEL
  1701 1704
  GS    ALLOYS
        .IRON ALLOYS
        ..STEELS
        ..#BAINITIC STEEL
  RT    BAINITE

BAJA CALIFORNIA
  USE   LOWER CALIFORNIA (MEXICO)

BAJADAS
  USE   FANS (LANDFORMS)

BAKELITE (TRADEMARK)
  1809 1810
  RT    CERAMICS
        RESINS
        THERMOSETTING RESINS

BAKEOUT
  USE   DEGASSING

BAKER-NUNN CAMERA
  0709 1412 3009
  GS    OPTICAL EQUIPMENT
        .CAMERAS
        .#BAKER-NUNN CAMERA
        PHOTOGRAPHIC EQUIPMENT
        .CAMERAS
        .#BAKER-NUNN CAMERA
  RT    ASTRONOMICAL PHOTOGRAPHY
        SCHMIDT CAMERAS

BAKING
  1504 3404
  SN    (EXCLUDES FOOD PROCESSING)
  GS    HEATING
        #BAKING
  RT    CASTING
        DEGASSING
        DRYING
        HEAT TREATMENT
        OVENS
        ROASTING
        STERILIZATION

BALANCE
  0101 2311 3303 3406
  RT    AERODYNAMIC BALANCE
        COMPENSATORS
      % EQUILIBRIUM
        HEAT BALANCE
      % MASS BALANCE
        MASS DISTRIBUTION
        MATERIAL BALANCE
        WEIGHT INDICATORS

BALANCE EQUATIONS
  USE   EQUATIONS

BALANCED AMPLIFIERS
  USE   PUSH-PULL AMPLIFIERS

BALANCING
  1501 1504
  RT    ECCENTRICITY
      % EQUILIBRIUM
        FLYWHEELS
        MAN MACHINE SYSTEMS
        STABILIZATION

BALL BEARINGS
  1501
  GS    BEARINGS
        .ANTIFRICTION BEARINGS
        .#BALL BEARINGS
  RT    BALLS
        ELASTOHYDRODYNAMICS
        NEEDLE BEARINGS
        ROLLER BEARINGS
        THRUST BEARINGS
```

```
BALL LIGHTNING
  1301 2003 2306 2402
  GS   ELECTRIC CURRENT
       .ELECTRIC DISCHARGES
       ..LIGHTNING
       ..#BALL LIGHTNING
  RT   ATMOSPHERIC ELECTRICITY

% BALLAST
  0102 0202 0205 0903 0904 3203
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   BALLAST (MASS)
       BALLASTS (IMPEDANCES)

BALLAST (MASS)
  3203
  RT   AERODYNAMIC STABILITY
     % BALLAST
       BUOYANCY
       COUNTERBALANCES
       FLOATING
       FLOATS
       HYDRODYNAMICS
       LOADS (FORCES)
       MASS DISTRIBUTION
       STABILITY
       STATIC LOADS

BALLASTS (IMPEDANCES)
  0902 1001
  RT % BALLAST
       CAPACITORS
       INDUCTORS
       LUMINAIRES
       RESISTORS
       TRANSFORMERS

BALLISTIC CAMERAS
  0709 1102 1412
  GS   OPTICAL EQUIPMENT
       .CAMERAS
       .#BALLISTIC CAMERAS
       PHOTOGRAPHIC EQUIPMENT
       .CAMERAS
       .#BALLISTIC CAMERAS
  RT   GROUND SUPPORT EQUIPMENT
       HIGH SPEED CAMERAS
       OPTICAL TRACKING
       RANGEFINDING
       STROBOSCOPES
       TRAJECTORY MEASUREMENT

BALLISTIC MISSILE DECOYS
  3101 3105 3401
  GS   COUNTERMEASURES
       #BALLISTIC MISSILE DECOYS
       DECOYS
       #BALLISTIC MISSILE DECOYS
  RT   MISSILE DEFENSE
       REENTRY DECOYS

BALLISTIC MISSILE EARLY WARNING SYSTEM
  0702 0709 3401
  UF   BMEWS
  GS   WARNING SYSTEMS
       .EARLY WARNING SYSTEMS
       .#BALLISTIC MISSILE EARLY WARNING
         SYSTEM
  RT   AIR DEFENSE
       MILITARY TECHNOLOGY
       RADAR TRACKING
     % SYSTEMS

BALLISTIC MISSILE SUBMARINES
  1104 3401
  GS   WATER VEHICLES
       .SHIPS
       ..SUBMARINES
       ..#BALLISTIC MISSILE SUBMARINES
       .UNDERWATER VEHICLES
       ..SUBMARINES
       ..#BALLISTIC MISSILE SUBMARINES
  RT   FLEET BALLISTIC MISSILES
       MISSILE LAUNCHERS
       MOBILE MISSILE LAUNCHERS
       NAVY
       POSEIDON MISSILES
       SEA LAUNCHING

BALLISTIC MISSILES
  3101 3401
  SN   (GUIDED ONLY DURING INITIAL
       POWERED PHASE)
  GS   MISSILES
       #BALLISTIC MISSILES
       ..FIELD ARMY BALLISTIC MISSILES
       ...SUBROC MISSILE
       ..INTERCONTINENTAL BALLISTIC
         MISSILES
       ...ATLAS ICBM
       ....ATLAS D ICBM
       ....ATLAS E ICBM
       ....ATLAS F ICBM
       ...MINUTEMAN ICBM
       ...TITAN ICBM
       ....TITAN 1 ICBM
       ....TITAN 2 ICBM
       ..INTERMEDIATE RANGE BALLISTIC
         MISSILES
       ...BLUE STREAK MISSILE
       ...JUPITER MISSILE
       ...POLARIS MISSILES
       ....POLARIS A1 MISSILE
       ....POLARIS A2 MISSILE
       ....POLARIS A3 MISSILE
       ..PERSHING MISSILE
       ..POSEIDON MISSILES
       ..SHORT RANGE BALLISTIC MISSILES
       ..SKYBOLT MISSILE
       ..V-2 MISSILE
  RT   ANTIMISSILE MISSILES
       SAFEGUARD SYSTEM
       SURFACE TO SURFACE MISSILES

BALLISTIC RANGES
  1108 3501
  GS   RANGES (FACILITIES)
       .TEST RANGES
       .#BALLISTIC RANGES
       TEST FACILITIES
       .TEST RANGES
       .#BALLISTIC RANGES
  RT   DOWNRANGE
       HYDROBALLISTICS
       MISSILE RANGES

BALLISTIC TRAJECTORIES
  0101 1904 2308 3006
  GS   TRAJECTORIES
       #BALLISTIC TRAJECTORIES
  RT   ASCENT TRAJECTORIES
       BALLISTICS
       COASTING FLIGHT
       DESCENT TRAJECTORIES
       DOWNRANGE
       FREE FALL
       IMPACT PREDICTION
       MIDCOURSE TRAJECTORIES
       MISSILE TRAJECTORIES
       PARABOLIC FLIGHT

% BALLISTIC VEHICLES
  0101 3110 3401
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  UF   NONLIFTING VEHICLES
  RT   REENTRY VEHICLES
       ROCKET VEHICLES
       TEST VEHICLES
     % VEHICLES
       WEAPONS
```

```
BALLISTICS
  1904 3302 3401
  GS   #BALLISTICS
       .HYDROBALLISTICS
       .INTERIOR BALLISTICS
       .TERMINAL BALLISTICS
  RT   AERODYNAMIC DRAG
       BALLISTIC TRAJECTORIES
       GAS GUNS
       HOWITZERS
       HYPERVELOCITY GUNS
       ORDNANCE
       PROJECTILES
       PROPELLANTS
       TRAJECTORIES
       TRAJECTORY ANALYSIS
       TRAJECTORY MEASUREMENT

BALLISTOCARDIOGRAPHY
  0405 0501
  GS   BIOENGINEERING
       .BIOMETRICS
       ..CARDIOGRAPHY
       ..#BALLISTOCARDIOGRAPHY
  RT   ELECTROCARDIOGRAPHY
       PHONOCARDIOGRAPHY
       SEISMOCARDIOGRAPHY

BALLOON FLIGHT
  0205
  RT % FLIGHT
       METEOROLOGICAL FLIGHT
       VERTICAL FLIGHT

BALLOON SOUNDING
  0205 2003
  GS   SOUNDING
       #BALLOON SOUNDING
  RT   ATMOSPHERIC SOUNDING
       IN SITU MEASUREMENT
       RADIOSONDES
       SUPERPRESSURE BALLOONS

BALLOON-BORNE INSTRUMENTS
  0205 2003 3001
  GS   MEASURING INSTRUMENTS
       #BALLOON-BORNE INSTRUMENTS
  RT   AIRBORNE EQUIPMENT
       BALLOONS
       HIGH ALTITUDE BALLOONS
       METEOROLOGICAL INSTRUMENTS
       RADIOSONDES
       TELESCOPES

BALLOONING MODES
  2502
  GS   MODES
       #BALLOONING MODES
  RT   MAGNETOHYDRODYNAMIC STABILITY
       PLASMA CONTROL
       PLASMA EQUILIBRIUM
       TEARING MODES (PLASMAS)

BALLOONS
  0205 3202
  GS   EXPANDABLE STRUCTURES
       .INFLATABLE STRUCTURES
       .#BALLOONS
       ...HIGH ALTITUDE BALLOONS
       ....JIMSPHERE BALLOONS
       ....SKYHOOK BALLOONS
       ....SUPERPRESSURE BALLOONS
       ...METEOROLOGICAL BALLOONS
       ....JIMSPHERE BALLOONS
       ....ROBIN BALLOONS
       ...MICROBALLOONS
       ...TETHERED BALLOONS
  RT % AIRCRAFT
       AIRSHIPS
       ASCENT
       BALLOON-BORNE INSTRUMENTS
       BALLUTES
       FOLDING STRUCTURES
       GAS BAGS
       GONDOLAS
       OBSERVATION AIRCRAFT
       PARAVULCOONS
       PILOTLESS AIRCRAFT
       STRATOSCOPE TELESCOPES

BALLS
  1504 1703 1805 3203
  RT   BALL BEARINGS
       FALLING SPHERES
       JOINTS (JUNCTIONS)
       SPHERES
       VALVES

BALLUTES
  0205 0208 3108
  GS   BRAKES (FOR ARRESTING MOTION)
       .AERODYNAMIC BRAKES
       .#BALLUTES
       DRAG DEVICES
       .AERODYNAMIC BRAKES
       .#BALLUTES
       EXPANDABLE STRUCTURES
       .INFLATABLE STRUCTURES
       .#BALLUTES
  RT   AIR DROP OPERATIONS
       AIRCRAFT BRAKES
       BALLOONS
       DRAG CHUTES
       FOLDING STRUCTURES
       PARACHUTES

BALMER SERIES
  1411 2401 3009
  GS   SPECTRA
       .RADIATION SPECTRA
       ..ELECTROMAGNETIC SPECTRA
       ...LINE SPECTRA
       ...#BALMER SERIES
  RT   ABSORPTION SPECTRA
       ATOMIC SPECTRA
       ELECTRON TRANSITIONS
       EMISSION SPECTRA
       H BETA LINE
       H GAMMA LINE
       H LINES
       HYDROGEN

BALSA
  0409 1808
  RT   TREES (PLANTS)
       WOOD

BALTIC SEA
  1305
  GS   SEAS
       #BALTIC SEA
  RT   ESTONIA
       LATVIA

BALTIC SHIELD (EUROPE)
  1305 1306
  GS   ROCKS
       .BEDROCK
       .#BALTIC SHIELD (EUROPE)
  RT   EARTH RESOURCES
       EUROPE
       PRECAMBRIAN PERIOD

BANACH SPACE
  1902 1903
  GS   ALGEBRA
       .VECTOR SPACES
       .#BANACH SPACE
       ...HILBERT SPACE
       ....SOBOLEV SPACE
       ANALYSIS (MATHEMATICS)
       .FUNCTION SPACE
       .#BANACH SPACE
       ...HILBERT SPACE
```

....SOBOLEV SPACE
.FUNCTIONAL ANALYSIS
.#BANACH SPACE
...HILBERT SPACE
....SOBOLEV SPACE
RT HARMONIC ANALYSIS
METRIC SPACE

BAND RATIOING
1409
GS IMAGE PROCESSING
#BAND RATIOING
RT IMAGE ENHANCEMENT
MULTISPECTRAL BAND SCANNERS
REMOTE SENSING
SPECTRAL BANDS

BAND STRUCTURE OF SOLIDS
2404 2601 2603
RT BRILLOUIN ZONES
CONDUCTION BANDS
ELECTRON TRANSITIONS
ENERGY GAPS (SOLID STATE)
FORBIDDEN BANDS
HETEROJUNCTION DEVICES
QUANTUM WELLS

BANDGAP
USE ENERGY GAPS (SOLID STATE)

BANDPASS FILTERS
0710 1002 1413
GS ELECTROMAGNETIC WAVE FILTERS
#BANDPASS FILTERS
..CRYSTAL FILTERS
..TRACKING FILTERS
RT ADAPTIVE FILTERS
BANDSTOP FILTERS
BANDWIDTH
ELECTRIC FILTERS
% FILTERS
FIR FILTERS
MICROWAVE FILTERS
OPTICAL FILTERS
ULTRAVIOLET FILTERS
VOCODERS

% BANDS
0702 1507 2311 2402 2603 3202 3406
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT ABSORPTION SPECTRA
ANCHORS (FASTENERS)
BANDWIDTH
BLOCH BAND
BROADBAND
CLAMPS
CLIPS
CONDUCTION BANDS
EDGE DISLOCATIONS
ENERGY BANDS
FASTENERS
FORBIDDEN BANDS
FREQUENCIES
HERZBERG BANDS
HOLDERS
LOW FREQUENCY BANDS
NARROWBAND
PHOTOLUMINESCENT BANDS
PLASTIC DEFORMATION
RING STRUCTURES
SCHUMANN-RUNGE BANDS
SIDEBANDS
SPECTRAL BANDS
STRAPS
SWAN BANDS
VEGARD-KAPLAN BANDS

BANDSTOP FILTERS
0710
GS ELECTROMAGNETIC WAVE FILTERS
.ELECTRIC FILTERS
.#BANDSTOP FILTERS
RT ADAPTIVE FILTERS
BANDPASS FILTERS
BANDWIDTH
CRYSTAL FILTERS
% FILTERS
HIGH PASS FILTERS
LOW PASS FILTERS
MICROWAVE FILTERS
OPTICAL FILTERS
TRACKING FILTERS
WAVEGUIDE FILTERS

BANDWIDTH
0702 0705 0710 0905 1001 1002 2311
GS #BANDWIDTH
.BROADBAND
.NARROWBAND
.SPECTRAL LINE WIDTH
RT BANDPASS FILTERS
% BANDS
BANDSTOP FILTERS
BROADBAND AMPLIFIERS
CHANNEL CAPACITY
DYNAMIC CHARACTERISTICS
FREQUENCIES
FREQUENCY RANGES
IMPEDANCE
LASER WINDOWS
RESONANT FREQUENCIES
SPEECH BASEBAND COMPRESSION
TRACKING FILTERS
TRANSFER FUNCTIONS
WIDTH
WINDOWS (INTERVALS)

BANG-BANG CONTROL
USE OFF-ON CONTROL

BANGLADESH
1305
UF EAST PAKISTAN
GS NATIONS
#BANGLADESH
RT ASIA
INDIA
PAKISTAN

BANKING FLIGHT
USE TURNING FLIGHT

BARANY CHAIR
0408 0502
GS SEATS
#BARANY CHAIR
RT ROTATING ENVIRONMENTS
TOLERANCES (PHYSIOLOGY)
VERTIGO

BARBADOS
1305
GS LANDFORMS
.ISLANDS
..WEST INDIES
..#BARBADOS
NATIONS
#BARBADOS
RT CARIBBEAN REGION

BARCHANS
USE DUNES

BARDEEN APPROXIMATION
USE BARRIER LAYERS
ELECTRICAL PROPERTIES
SURFACE PROPERTIES

BARDEEN-COOPER-SCHRIEFFER THEORY
USE BCS THEORY

BARENTS SEA
1305 1310

```
  GS   SEAS
       #BARENTS SEA
  RT   ARCTIC OCEAN
       U.S.S.R.

BARITE
  1805 1806
  GS   MINERALS
       #BARITE
       SULFUR COMPOUNDS
       .SULFATES
       .#BARITE

BARIUM
  0603 1703
  GS   CHEMICAL ELEMENTS
       #BARIUM
       ..BARIUM ISOTOPES
       METALS
       #BARIUM
       ..BARIUM ISOTOPES

BARIUM ALLOYS
  1701 1704
  GS   ALLOYS
       #BARIUM ALLOYS

BARIUM COMPOUNDS
  0603 1804
  GS  #BARIUM COMPOUNDS
       .BARIUM FERRATES
       .BARIUM FLUORIDES
       .BARIUM OXIDES
       .BARIUM SULFIDES
       .BARIUM TITANATES
       .BARIUM ZIRCONATES
  RT % ALKALINE EARTH COMPOUNDS
     % CHEMICAL COMPOUNDS
     % METAL COMPOUNDS

BARIUM FERRATES
  0603 1804
  GS   BARIUM COMPOUNDS
       #BARIUM FERRATES
       IRON COMPOUNDS
       .FERRATES
       .#BARIUM FERRATES

BARIUM FLUORIDES
  0603 1804
  GS   BARIUM COMPOUNDS
       #BARIUM FLUORIDES
       HALOGEN COMPOUNDS
       .FLUORINE COMPOUNDS
       ..FLUORIDES
       ..#BARIUM FLUORIDES
       .HALIDES
       ..FLUORIDES
       ..#BARIUM FLUORIDES
       ..METAL HALIDES
       ..#BARIUM FLUORIDES

BARIUM ION CLOUDS
  0603 2003
  GS   CLOUDS (METEOROLOGY)
       .ARTIFICIAL CLOUDS
       ..CHEMICAL CLOUDS
       ..#BARIUM ION CLOUDS
  RT   EARTH MAGNETOSPHERE
       ELECTRIC FIELDS
       GEOMAGNETISM
       LINES OF FORCE
       METAL IONS
       ROCKET SOUNDING
       THERMITES

BARIUM ISOTOPES
  0603 1703 2406
  GS   CHEMICAL ELEMENTS
       .ALKALINE EARTH METALS
       .#BARIUM ISOTOPES
       .BARIUM
       .#BARIUM ISOTOPES
       .NUCLIDES
       ..ISOTOPES
       ..#BARIUM ISOTOPES
       METALS
       .ALKALINE EARTH METALS
       .#BARIUM ISOTOPES
       .BARIUM
       .#BARIUM ISOTOPES

BARIUM OXIDES
  0603 1804
  GS   BARIUM COMPOUNDS
       #BARIUM OXIDES
       CHALCOGENIDES
       .OXIDES
       ..METAL OXIDES
       ...ALKALINE EARTH OXIDES
       ...#BARIUM OXIDES
  RT   HIGH TEMPERATURE SUPERCONDUCTORS
       YBCO SUPERCONDUCTORS

BARIUM SULFIDES
  0603 1804
  GS   BARIUM COMPOUNDS
       #BARIUM SULFIDES
       CHALCOGENIDES
       .SULFIDES
       ..INORGANIC SULFIDES
       ..#BARIUM SULFIDES
       SULFUR COMPOUNDS
       .SULFIDES
       ..INORGANIC SULFIDES
       ..#BARIUM SULFIDES

BARIUM TITANATES
  0603 1804
  GS   BARIUM COMPOUNDS
       #BARIUM TITANATES
       TITANIUM COMPOUNDS
       .TITANATES
       .#BARIUM TITANATES
  RT   DIELECTRICS

BARIUM ZIRCONATES
  0603 1804
  GS   BARIUM COMPOUNDS
       #BARIUM ZIRCONATES
       ZIRCONIUM COMPOUNDS
       .ZIRCONATES
       .#BARIUM ZIRCONATES

BARKHAUSEN EFFECT
  2305 2307
  RT % EFFECTS
       ELECTROMAGNETIC MEASUREMENT
       ELECTROMAGNETISM
       OSCILLOGRAPHS

BARLEY
  0409 0505
  GS   FARM CROPS
       .GRAINS (FOOD)
       .#BARLEY
       PLANTS (BOTANY)
       #BARLEY
  RT   AGRICULTURE
       BLIGHT
       BOTANY
       CROP GROWTH
       CROP VIGOR
     % CROPS
     % FOOD
       IRRIGATION
       SEEDS

BAROCLINIC INSTABILITY
  1301
  GS   STABILITY
       #BAROCLINIC INSTABILITY
  RT   ATMOSPHERIC CIRCULATION
       ATMOSPHERIC MODELS
       BAROCLINIC WAVES
```

```
        BAROCLINITY
        FLOW STABILITY
        GEOSTROPHIC WIND
        METEOROLOGY
        ZONAL FLOW (METEOROLOGY)

BAROCLINIC WAVES
  1202 1301 2003
  GS    ELASTIC WAVES
        .CAPILLARY WAVES
        ..GRAVITY WAVES
        ..#BAROCLINIC WAVES
        SURFACE WAVES
        .CAPILLARY WAVES
        ..GRAVITY WAVES
        ..#BAROCLINIC WAVES
  RT    BAROCLINIC INSTABILITY
        BAROCLINITY
        BAROTROPIC FLOW
        CYCLONES
        DENSITY DISTRIBUTION
        GEOSTROPHIC WIND
        RADIATION PRESSURE
        STRATIFIED FLOW
        WAVE AMPLIFICATION
      % WAVES
        ZONAL FLOW (METEOROLOGY)

BAROCLINITY
  1202 1301 2003
  RT    BAROCLINIC INSTABILITY
        BAROCLINIC WAVES
        BAROTROPIC FLOW
        BAROTROPISM
      % ISOBARS
        METEOROLOGICAL SOLENOIDS
        STRATIFIED FLOW

BAROMETERS
  1408 2002 2003
  GS    MEASURING INSTRUMENTS
        .METEOROLOGICAL INSTRUMENTS
        .#BAROMETERS
        .PRESSURE GAGES
        .#BAROMETERS
  RT    ALTIMETERS
        HYPSOMETERS
        MANOMETERS
        PRESSURE MEASUREMENT
        VACUUM GAGES

BAROMETRIC PRESSURE
  USE   ATMOSPHERIC PRESSURE

BARORECEPTORS
  1408
  GS    ANATOMY
        .SENSE ORGANS
        .#BARORECEPTORS
        RECEPTORS (PHYSIOLOGY)
        #BARORECEPTORS
  RT    PRESSURE
        PROPRIOCEPTORS

BAROTRAUMA
  0401 0405 0408 0504
  GS    INJURIES
        #BAROTRAUMA
  RT    DECOMPRESSION SICKNESS
        DIVING (UNDERWATER)

BAROTROPIC FLOW
  1202 1301 2003
  GS    FLUID FLOW
        #BAROTROPIC FLOW
  RT    AIR CURRENTS
        AIR FLOW
        BAROCLINIC WAVES
        BAROCLINITY
        BAROTROPISM
        FLOW CHARACTERISTICS
        LEE WAVES
        PLANETARY WAVES
        RAYLEIGH WAVES
        ROSSBY REGIMES
        SEA BREEZE
        VISCOUS FLOW
        WIND (METEOROLOGY)
        WIND SHEAR

BAROTROPISM
  1202 1301 2003
  GS   #BAROTROPISM
        .PLANETARY WAVES
  RT    BAROCLINITY
        BAROTROPIC FLOW
      % ISOBARS

% BARRAGES
  1103 1204 3401
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    ARTILLERY FIRE
        DAMS

BARRED GALAXIES
  3001
  GS    CELESTIAL BODIES
        .GALAXIES
        ..SPIRAL GALAXIES
        ..#BARRED GALAXIES
  RT    DISK GALAXIES
        GALACTIC STRUCTURE
        HUBBLE DIAGRAM
        LOCAL GROUP (ASTRONOMY)
        STAR CLUSTERS
        STAR DISTRIBUTION
        STARS
        VIRGO GALACTIC CLUSTER

% BARRELS
  0202 0505 1103 1104 1502 1703 1805
  3202 3401
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    BARRELS (CONTAINERS)
      % DRUMS
        GUN LAUNCHERS

BARRELS (CONTAINERS)
  1103 1502
  UF    CASKS
  RT  % BARRELS
      % CONTAINERS
        DRUMS (CONTAINERS)

BARREN LAND
  1303 1304
  UF    BARRENS
  GS    LAND
        #BARREN LAND
  RT    ARID LANDS
        BADLANDS
        DESERTIFICATION
        DESERTS
        LAND USE
        SAHARA DESERT (AFRICA)
        SITES
        SOILS
        TOPOGRAPHY

BARRENS
  USE   BARREN LAND

BARRICADES
  USE   BARRIERS

BARRIER INJECTION TRANSIT TIME DIODES
  USE   BARRITT DIODES

BARRIER LAYERS
  0906 2602
  UF    BARDEEN APPROXIMATION
```

```
  RT % BARRIERS
       BARRITT DIODES
       INTERLAYERS
       JFET
       JOINTS (JUNCTIONS)
       JUNCTION DIODES
       JUNCTION TRANSISTORS
     % LAYERS
       MBM JUNCTIONS
       NONOHMIC EFFECT
       RESONANT TUNNELING
       SEALS (STOPPERS)
       SEMICONDUCTOR DEVICES
       SIS (SEMICONDUCTORS)
       SURFACE LAYERS
       TUNNEL JUNCTIONS
       WATERPROOFING
       ZENER EFFECT

% BARRIERS
  0101 0702 1101 1202 1504 2311
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  UF   BARRICADES
       OBSTACLES
  RT   ABORT APPARATUS
       ACOUSTIC VELOCITY
       ARRESTING GEAR
       BAFFLES
       BARRIER LAYERS
       BARRIERS (LANDFORMS)
       BARRITT DIODES
       BLOOD-BRAIN BARRIER
       BULKHEADS
       CHAINS
       CLOSURES
       CONSTRICTIONS
       CURTAINS
       DAMS
       DIVIDERS
       ELECTRODE FILM BARRIERS
       ENCLOSURES
       FENCES (BARRIERS)
       GATES (OPENINGS)
       GUARDS (SHIELDS)
       MBM JUNCTIONS
       SAFETY DEVICES
       SCHOTTKY DIODES
       SEALS (STOPPERS)
       SHIELDING
       THERMAL BARRIERS (PLASMA CONTROL)
       VAPOR BARRIER CLOTHING
       WALLS
       WIND (METEOROLOGY)
       WINDOWS (APERTURES)

BARRIERS (LANDFORMS)
  1305 1306
  GS   LANDFORMS
       #BARRIERS (LANDFORMS)
       ..OUTER BANKS (NC)
       ..REEFS
  RT % BARRIERS
       BARS (LANDFORMS)
       ISLAND ARCS

BARRITT DIODES
  0905
  UF   BARRIER INJECTION TRANSIT TIME
       DIODES
  GS   ELECTRONIC EQUIPMENT
       .DIODES
       ..SEMICONDUCTOR DIODES
       ..#BARRITT DIODES
       .SOLID STATE DEVICES
       ..SEMICONDUCTOR DEVICES
       ..#BARRITT DIODES
  RT   AVALANCHE DIODES
       BARRIER LAYERS
     % BARRIERS
       CARRIER INJECTION
       CRYOSAR
       ELECTRIC POTENTIAL
       INJECTION
       JUNCTION DIODES
       MICROWAVE OSCILLATORS
       RECTIFIERS
       SCHOTTKY DIODES
       SEMICONDUCTOR JUNCTIONS
       SHOT NOISE
       TRANSIT TIME

BARS
  1406 1408
  GS  #BARS
       .ELASTIC BARS
       .PRISMATIC BARS
  RT   METAL PLATES
       RODS
       STRUCTURAL MEMBERS

BARS (LANDFORMS)
  1305
  UF   TOMBOLOS
  GS   LANDFORMS
       #BARS (LANDFORMS)
  RT   BARRIERS (LANDFORMS)
       BEACHES
       COASTAL PLAINS
       LAGOONS
       LITTORAL DRIFT
       REEFS

BARYCENTER
  USE  CENTER OF GRAVITY

BARYON RESONANCE
  2403 2405
  GS   RESONANCE
       #BARYON RESONANCE
  RT   BARYONS
       HYPERONS
       SCATTERING CROSS SECTIONS

BARYONS
  2401 2403 2405 3009
  GS   PARTICLES
       .ELEMENTARY PARTICLES
       ..FERMIONS
       ..#BARYONS
       ....HYPERONS
       .....XI HYPERONS
       ....OMEGA-MESONS
       ....RHO-MESONS
       ....SIGMA-MESONS
       ..HADRONS
       ..#BARYONS
       ....OMEGA-MESONS
       ....RHO-MESONS
       ....SIGMA-MESONS
  RT   BARYON RESONANCE
       COLD NEUTRONS
       DARK MATTER
       ETA-MESONS
       FAST NEUTRONS
       GRAVITINOS
       KAONS
       MESON RESONANCE
       MESONS
       MUONS
       NEUTRONS
       NUCLEONS
       PHOTONEUTRONS
       PIONS
       PROTONS
       RECOIL PROTONS
       SOLAR PROTONS
       THERMAL NEUTRONS

BASALT
  1306
  GS   ROCKS
       .IGNEOUS ROCKS
       .#BASALT
```

```
  RT    CONES (VOLCANOES)
        LUNAR MARIA
        MARS VOLCANOES
        REGOLITH
        SOILS
        VOLCANOES
        VOLCANOLOGY

BASE FLOW
  0101 0201 1202 2311
  GS    FLUID FLOW
        #BASE FLOW
  RT    HEAD FLOW
        WAKES

BASE HEATING
  0101 0201 0303 3110 3303 3305 3501
  GS    HEATING
        #BASE HEATING
  RT    AFTERBODIES
        CONVECTION
        EXHAUST NOZZLES
        JET EXHAUST
        JET IMPINGEMENT
      % RADIATION
        ROCKET EXHAUST

BASE PRESSURE
  0101
  GS    PRESSURE
        #BASE PRESSURE
  RT    AERODYNAMIC DRAG

BASEMENTS
  1101 1103 3404
  RT    BUILDINGS
        FLOORS
        FOUNDATIONS

% BASES
  0603 1101 1105 1106 1804 1808 1902
  3202 3406
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    BASES (CHEMICAL)
        DATA BASES
        FOUNDATIONS
        INORGANIC COMPOUNDS
        ION CONCENTRATION
        LUNAR BASES
        SPACE BASES
        STATIONS

BASES (CHEMICAL)
  0603 1804 1808
  GS   #BASES (CHEMICAL)
        .ADENINES
        .ALKALIES
        ..LITHIUM HYDROXIDES
        ..POTASSIUM HYDROXIDES
        ..SODIUM HYDROXIDES
        .ALKALOIDS
        ..ATROPINE
        ..BETAINES
        ..CAFFEINE
        ..COLCHICINE
        ..ERGOTAMINE
        ..HYOSCINE
        ..LYSERGINE
        ..MORPHINE
        ..NICOTINAMIDE
        ..NICOTINE
        ..PILOCARPINE
        ..RESERPINE
        ..STRYCHNINE
        ..TROPYL COMPOUNDS
        .GUANINES
        .PIPERIDINE
        .PYRIDINES
        .QUINOLINE
        .THYMIDINE
        .URACIL
  RT    ALKALINITY
        ANHYDRIDES
      % BASES
        BUFFERS (CHEMISTRY)
        PH

BASES (FOUNDATIONS)
  USE   FOUNDATIONS

BASIC (PROGRAMMING LANGUAGE)
  0802
  GS    LANGUAGES
        .PROGRAMMING LANGUAGES
        .#BASIC (PROGRAMMING LANGUAGE)
  RT    COMPUTER PROGRAMMING

BASINS
  USE   STRUCTURAL BASINS

BASINS (CONTAINERS)
  1305 1103 1306
  RT    TANKS (CONTAINERS)

BASKETS
  0202 0205 1502 3203
  RT %  CONTAINERS
        GONDOLAS

BASTNASITE
  1805 1806
  GS    CARBON COMPOUNDS
        .CARBONATES
        .#BASTNASITE
        MINERALS
        #BASTNASITE
        RARE EARTH COMPOUNDS
        .CERIUM COMPOUNDS
        .#BASTNASITE

BATCH PROCESSING
  0802
  GS    DATA PROCESSING
        #BATCH PROCESSING
  RT    COMPUTER PROGRAMMING
        COMPUTER PROGRAMS
        DATA PROCESSING EQUIPMENT
      % PROCESSING

BATHING
  0405 0505 1504 1704 3303 3304
  GS    CLEANING
        .WASHING
        .#BATHING
  RT    COOLING
        HYGIENE
        WASTE WATER

BATHOLITHS
  1305 1306
  GS    ROCK INTRUSIONS
        #BATHOLITHS
        ROCKS
        .BEDROCK
        .#BATHOLITHS
  RT    GRANITE
        IGNEOUS ROCKS

BATHS
  0405 0505 1504 1704 3303 3404
  SN    (EXCLUDES BATHING)
  GS   #BATHS
        .SALT BATHS
  RT    DIPPING
        ELECTROPLATING
        HEAT TRANSFER
        QUENCHING (COOLING)
      % SOAKING
        SUBMERGING
        WATER IMMERSION

BATHYMETERS
  1310 1406
```

```
  UF   BATHYMETRY
  GS   MEASURING INSTRUMENTS
       #BATHYMETERS
  RT   DEPTH MEASUREMENT
       OCEANOGRAPHY
       SOUNDING
       UNDERWATER RESEARCH LABORATORIES

BATHYMETRY
  USE  BATHYMETERS

BATHYTHERMOGRAPHS
  1408 3303 3304
  GS   MEASURING INSTRUMENTS
       .TEMPERATURE MEASURING INSTRUMENTS
       .#BATHYTHERMOGRAPHS
       RECORDING INSTRUMENTS
       #BATHYTHERMOGRAPHS
  RT   PRESSURE GRADIENTS
       TEMPERATURE GRADIENTS

BATS
  0402
  GS   ANIMALS
       .VERTEBRATES
       ..MAMMALS
       ..#BATS

BATTERIES
  USE  ELECTRIC BATTERIES

BATTERY CHARGERS
  0302
  RT   CHARGE EFFICIENCY
     % CHARGING
       ELECTRIC BATTERIES
       PULSE CHARGING
       STORAGE BATTERIES

BATTERY SEPARATORS
  USE  SEPARATORS

BAUSCHINGER EFFECT
  1704 2601
  RT % EFFECTS
       FATIGUE (MATERIALS)
       MICROSTRUCTURE

BAUXITE
  0603 1806
  RT   ALUMINUM OXIDES
       MINERALS
       ROCKS

BAY ICE
  0603 1308 1310
  GS   ICE
       #BAY ICE
  RT   FREEZING
       FROST
       ICE FORMATION
       ICE MAPPING
       ICE REPORTING
       LAKE ICE
       LOW TEMPERATURE
       NAVIGATION
       OCEANOGRAPHY
       SEA ICE
       SLUSH
       WATER

BAYARD-ALPERT IONIZATION GAGES
  0602 1406 1501
  GS   MEASURING INSTRUMENTS
       .PRESSURE GAGES
       ..VACUUM GAGES
       ...IONIZATION GAGES
       ...#BAYARD-ALPERT IONIZATION GAGES
       VACUUM APPARATUS
       .VACUUM GAGES
       ..IONIZATION GAGES
       ..#BAYARD-ALPERT IONIZATION GAGES
  RT   HOT CATHODES

BAYES THEOREM
  1505 1902 1903 1905
  UF   BAYESIAN STATISTICS
  GS   THEOREMS
       #BAYES THEOREM
  RT   QUALITY CONTROL
       SAMPLING

BAYESIAN STATISTICS
  USE  BAYES THEOREM

BAYOUS
  1305 1306
  GS   LANDFORMS
       .INLETS (TOPOGRAPHY)
       .#BAYOUS
  RT   LAKES
       MARSHLANDS
       RIVERS

% BAYS
  0202 3110 3202
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   BAYS (STRUCTURAL UNITS)
       BAYS (TOPOGRAPHIC FEATURES)

BAYS (STRUCTURAL UNITS)
  0202 3202
  RT   AIRCRAFT COMPARTMENTS
       AIRFRAMES
     % BAYS
       COMPARTMENTS
       FUSELAGES
       HULLS (STRUCTURES)
       SHELLS (STRUCTURAL FORMS)

BAYS (TOPOGRAPHIC FEATURES)
  1303 1304 1306
  UF   BIGHTS
       COVES
  GS  #BAYS (TOPOGRAPHIC FEATURES)
       .CHESAPEAKE BAY (US)
       .DELAWARE BAY (US)
       .HUDSON BAY (CANADA)
       .MONTEREY BAY (CA)
       .SAGINAW BAY (MI)
       .SAN FRANCISCO BAY (CA)
       .SAN PABLO BAY (CA)
  RT % BAYS
       GULFS
       INLETS (TOPOGRAPHY)

BBGKY HIERARCHY
  2502 3006
  GS   CLASSIFICATIONS
       .HIERARCHIES
       .#BBGKY HIERARCHY
  RT   BOGOLIUBOV THEORY
       BOLTZMANN TRANSPORT EQUATION
       EQUATIONS OF STATE
       FOURIER TRANSFORMATION
       KINETIC EQUATIONS
       PLASMA PHYSICS

BCAS
  USE  BEACON COLLISION AVOIDANCE SYSTEM

BCC LATTICES
  USE  BODY CENTERED CUBIC LATTICES

BCH CODES
  0503 0702 0703 0802 1902
  UF   BOSE-CHAUDHURI-HOCQUENGHEM CODES
  RT   BINARY CODES
     % CODES
       CODING
       COMPUTER PROGRAMMING
       DECODERS
       DECODING
```

```
        DIGITAL TECHNIQUES
        ERROR CORRECTING DEVICES
        INFORMATION THEORY
        PARITY
        RANDOM ERRORS

BCS THEORY
  2302 2604 3009
  UF    BARDEEN-COOPER-SCHRIEFFER THEORY
  RT    MANY BODY PROBLEM
        SUPERCONDUCTIVITY
      % THEORIES
        THERMODYNAMIC COUPLING

BE A
  USE   BEACON EXPLORER A

BE B
  USE   EXPLORER 22 SATELLITE

BE C
  USE   EXPLORER 27 SATELLITE

BE-3 ENGINE
  2808 3106
  GS    ENGINES
        .ROCKET ENGINES
        ..RETROROCKET ENGINES
        ..#BE-3 ENGINE
  RT    ATHENA ROCKET VEHICLE
        RANGER LUNAR LANDING VEHICLES
        SOLID PROPELLANT ROCKET ENGINES

BEACHES
  1303 1304 1310 1306
  UF    ADVANCING SHORELINES
        BACKSHORES
        INSHORE ZONES
  RT    BARS (LANDFORMS)
        COASTAL CURRENTS
        COASTAL PLAINS
        COASTS
        CUSPS (LANDFORMS)
        DUNES
        LAGOONS
        LAKES
        LITTORAL DRIFT
        MARINE ENVIRONMENTS
        SHOALS
        SHORELINES
        TOPOGRAPHY
        WATERFOWL

BEACON COLLISION AVOIDANCE SYSTEM
  UF    BCAS
  GS    AVOIDANCE
        .COLLISION AVOIDANCE
        .#BEACON COLLISION AVOIDANCE SYSTEM
  RT    AIR TRAFFIC CONTROL
        AIRCRAFT SAFETY
        MIDAIR COLLISIONS
        RADIO BEACONS
      % SYSTEMS
        TRANSPONDERS

BEACON EXPLORER A
  1302 3107
  UF    BE A
        S-66 SATELLITE
  GS    ARTIFICIAL SATELLITES
        .PASSIVE SATELLITES
        ..BEACON SATELLITES
        ..#BEACON EXPLORER A
        EXPANDABLE STRUCTURES
        .INFLATABLE STRUCTURES
        ..INFLATABLE SPACECRAFT
        ...BEACON SATELLITES
        ...#BEACON EXPLORER A
        SPACE ERECTABLE STRUCTURES
        .INFLATABLE SPACECRAFT
        ..BEACON SATELLITES
        ..#BEACON EXPLORER A
  RT    DELTA LAUNCH VEHICLE

BEACON EXPLORER B
  USE   EXPLORER 22 SATELLITE

BEACON EXPLORER C
  USE   EXPLORER 27 SATELLITE

BEACON SATELLITES
  1302 3107
  UF    POLAR IONOSPHERE BEACON
  GS    ARTIFICIAL SATELLITES
        .PASSIVE SATELLITES
        .#BEACON SATELLITES
        ...BEACON EXPLORER A
        ...EXPLORER 22 SATELLITE
        EXPANDABLE STRUCTURES
        .INFLATABLE STRUCTURES
        ..INFLATABLE SPACECRAFT
        ..#BEACON SATELLITES
        ....BEACON EXPLORER A
        ....EXPLORER 22 SATELLITE
        SPACE ERECTABLE STRUCTURES
        .INFLATABLE SPACECRAFT
        .#BEACON SATELLITES
        ...BEACON EXPLORER A
        ...EXPLORER 22 SATELLITE
  RT    LOCATES SYSTEM

BEACONS
  0705 1102 2103 3501
  GS    NAVIGATION AIDS
        #BEACONS
        ..AIRPORT BEACONS
        ...DISCRETE ADDRESS BEACON SYSTEM
        ..RADAR BEACONS
        ...DISCRETE ADDRESS BEACON SYSTEM
        ..RADIO BEACONS
        ...OMNIDIRECTIONAL RADIO RANGES
        ....SELF CALIBRATING OMNIRANGE
        ..RADIO DIRECTION FINDERS
  RT    AIRCRAFT LIGHTS
        BUOYS
        COMPASSES
        HOMING
        HOMING DEVICES
        INSTRUMENT FLIGHT RULES
      % MARKERS
        POSITION INDICATORS
        PROJECTORS
        SEARCHLIGHTS
      % SIGNALS
        SOLAR COMPASSES
        VISUAL SIGNALS

BEADS
  1507 3407
  RT    SPOT WELDS
        WELDED JOINTS
        WELDING

BEAGLE AIRCRAFT
  0201
  RT % AIRCRAFT

BEAM CURRENTS
  2304 2403
  GS    ELECTRIC CURRENT
        #BEAM CURRENTS
  RT    BACKWARD WAVE TUBES
        BRILLOUIN FLOW
      % CURRENTS
        PLASMA CURRENTS

BEAM FORMING
  USE   BEAMFORMING

BEAM INJECTION
  1504
  RT    ELECTRON BEAMS
        ION BEAMS
        NEUTRAL BEAMS
        PLASMA HEATING
```

```
      PLASMA-PARTICLE INTERACTIONS
      TOKAMAK DEVICES
      TOROIDAL PLASMAS

BEAM INTERACTIONS
  0710
  RT  BEAMS (RADIATION)
      COLLISION PARAMETERS
      HIGH ENERGY INTERACTIONS
    % INTERACTIONS
      WAVE-PARTICLE INTERACTIONS

BEAM LEADS
  0902 1001 1002 1504
  GS  CONDUCTORS
      .ELECTRIC CONDUCTORS
      .#BEAM LEADS
      .FLAT CONDUCTORS
      .#BEAM LEADS
  RT  BONDING
      ELECTRIC CONNECTORS
    % JOINING
      MICROELECTRONICS
      MICROMODULES
      SOLDERED JOINTS

BEAM NEUTRALIZATION
  0710
  RT  BEAMS (RADIATION)
      ELECTRON BEAMS
      ION BEAMS
      NEUTRAL BEAMS

BEAM PLASMA AMPLIFIERS
  0905 2501
  GS  AMPLIFIERS
      #BEAM PLASMA AMPLIFIERS
  RT  ELECTRON BEAMS
      MILLIMETER WAVES
      PLASMA-PARTICLE INTERACTIONS
      PLASMAS (PHYSICS)
      RELATIVISTIC ELECTRON BEAMS

BEAM RIDER GUIDANCE
  1700
  GS  GUIDANCE (MOTION)
      #BEAM RIDER GUIDANCE
  RT  MISSILE CONTROL
      MISSILE SYSTEMS

BEAM SPLITTERS
  2402
  RT  BEAMS (RADIATION)
      PARTICLE ACCELERATORS
      PARTICLE BEAMS
      SCATTER PLATES (OPTICS)

BEAM SWITCHING
  0702 0904 0905 1201 2402 2405
  GS  SWITCHING
      #BEAM SWITCHING
  RT  BEAMS (RADIATION)
      ELECTRON OPTICS
      ION ENGINES
      LASERS
      MAGNETIC SWITCHING
      PACKET SWITCHING

BEAM WAVEGUIDES
  0710 2402
  GS  WAVEGUIDES
      #BEAM WAVEGUIDES
  RT  COLLIMATORS
      PHOTON BEAMS
      PLASMAGUIDES
      RECTANGULAR WAVEGUIDES
      WAVE PROPAGATION
      YOKES

BEAMED POWER
  USE POWER BEAMING

BEAMFORMING
  UF  BEAM FORMING
      BEAMSHAPING
  GS  COLLIMATION
      #BEAMFORMING
  RT  ANTENNA ARRAYS
      ANTENNA RADIATION PATTERNS
      BEAMS (RADIATION)
      LASER BEAMS
      POLARIZATION (WAVES)
      RADAR BEAMS

% BEAMS
  0710 1601 2306 2403 2502 3202
  SN  (USE OF A MORE SPECIFIC TERM IS
      RECOMMENDED--CONSULT THE TERMS
      LISTED BELOW)
  RT  BEAMS (RADIATION)
      BEAMS (SUPPORTS)

BEAMS (RADIATION)
  2401 2403 2405
  GS  #BEAMS (RADIATION)
      .GAMMA RAY BEAMS
      .LIGHT BEAMS
      ..LASER BEAMS
      .MICROBEAMS
      .PARTICLE BEAMS
      ..ATOMIC BEAMS
      ..ELECTRON BEAMS
      ...RELATIVISTIC ELECTRON BEAMS
      ..ION BEAMS
      ..NEUTRAL BEAMS
      ...MOLECULAR BEAMS
      ...NEUTRON BEAMS
      ..NEUTRINO BEAMS
      ..PION BEAMS
      ..PROTON BEAMS
      .PENCIL BEAMS
      .PHONON BEAMS
      .PHOTON BEAMS
      .RADAR BEAMS
  RT  BEAM INTERACTIONS
      BEAM NEUTRALIZATION
      BEAM SPLITTERS
      BEAM SWITCHING
      BEAMFORMING
    % BEAMS
      COHERENT ELECTROMAGNETIC RADIATION
      COHERENT RADIATION
      CORPUSCULAR RADIATION
      ELECTROMAGNETIC RADIATION
      EXTREME ULTRAVIOLET RADIATION
      INFRARED RADIATION
      IONIZING RADIATION
      IRRADIATION
      LIGHT (VISIBLE RADIATION)
      LONGITUDINAL WAVES
      MONOCHROMATIC RADIATION
      MULTIBEAM ANTENNAS
      PLANE WAVES
    % RADIATION
    % RAYS
      SUBMILLIMETER WAVES
      ULTRAVIOLET RADIATION

BEAMS (SUPPORTS)
  3202 3203
  UF  STRUCTURAL BEAMS
  GS  STRUCTURAL MEMBERS
      #BEAMS (SUPPORTS)
      ..BOX BEAMS
      ..CANTILEVER BEAMS
      ..CURVED BEAMS
      ..I BEAMS
      ..RECTANGULAR BEAMS
      ..TIMOSHENKO BEAMS
  RT % BEAMS
      COLUMNS (SUPPORTS)
      GIRDERS
    % HEADERS
      PLASTIC BODIES
      T SHAPE
```

```
        TRUSSES

BEAMSHAPING
  USE   BEAMFORMING

% BEARING
  1501 1504 2103
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    BEARING (DIRECTION)
        BEARINGS
        INTERNAL COMBUSTION ENGINES

BEARING (DIRECTION)
  2102 2103
  RT    ALIGNMENT
        AZIMUTH
      % BEARING
      % DIRECTION
        DIRECTION FINDING
        EXPOSURE
        FIELD OF VIEW
        INSTRUMENT ORIENTATION
      % ORIENTATION
        POSITION (LOCATION)
        SOUND LOCALIZATION
      % SPACE ORIENTATION

BEARING ALLOYS
  1701 1704
  GS    ALLOYS
        #BEARING ALLOYS
  RT    ALUMINUM ALLOYS
        BABBITT METAL
        BEARINGS
        CADMIUM ALLOYS
        COPPER ALLOYS
        IRON ALLOYS
        LEAD ALLOYS
        METAL POWDER
        SILVER ALLOYS
        TIN ALLOYS
        ZINC ALLOYS

BEARINGLESS ROTORS
  0104
  GS    AIRFOILS
        .WINGS
        ..ROTARY WINGS
        ...LIFTING ROTORS
        ...#BEARINGLESS ROTORS
        ROTATING BODIES
        .ROTORS
        ..ROTARY WINGS
        ...LIFTING ROTORS
        ...#BEARINGLESS ROTORS
  RT    HINGES
        RIGID ROTORS

BEARINGS
  1501 1504
  GS   #BEARINGS
        .ANTIFRICTION BEARINGS
        ..BALL BEARINGS
        ..ROLLER BEARINGS
        .FOIL BEARINGS
        .GAS BEARINGS
        .JOURNAL BEARINGS
        .LIQUID BEARINGS
        .MAGNETIC BEARINGS
        .NEEDLE BEARINGS
        .THRUST BEARINGS
  RT % BEARING
        BEARING ALLOYS
        BOUNDARY LUBRICATION
        BUSHINGS
        GIMBALS
        IDLERS
        INTERNAL COMBUSTION ENGINES
        LUBRICATION
        PACKINGS (SEALS)
        PIVOTS
        SHAFTS (MACHINE ELEMENTS)
        SUPPORTS
        SUSPENSION SYSTEMS (VEHICLES)
        SWIVELS
        WHEELS

BEARS
  0402
  GS    ANIMALS
        .VERTEBRATES
        ..MAMMALS
        ..#BEARS

BEAT
  USE   SYNCHRONISM

BEAT FREQUENCIES
  0702 0704 0903 1002
  GS    FREQUENCIES
        #BEAT FREQUENCIES
  RT    GROUP VELOCITY
        INTERMEDIATE FREQUENCY AMPLIFIERS
        MOIRE EFFECTS
        RESONANT FREQUENCIES
        STANDING WAVES
        SUPERHETERODYNE RECEIVERS

BEAUFORT SEA (NORTH AMERICA)
  1305 1310
  GS    SEAS
        #BEAUFORT SEA (NORTH AMERICA)
  RT    ALASKA
        ARCTIC OCEAN
        CANADA

BED REST
  0405 0408
  GS    REST
        #BED REST
  RT    CALCIUM METABOLISM
        CLINICAL MEDICINE
        HEAD DOWN TILT
        ORTHOSTATIC TOLERANCE

BEDDING EQUIPMENT
  0508
  RT % BLANKETS
     % EQUIPMENT

BEDIASITES
  1805 3005
  GS    CELESTIAL BODIES
        .METEORITES
        ..STONY METEORITES
        ...TEKTITES
        ...#BEDIASITES
  RT    AUSTRALITES

BEDROCK
  1305 1306
  UF    SHIELDS (GEOLOGY)
  GS    ROCKS
        #BEDROCK
        ..BALTIC SHIELD (EUROPE)
        ..BATHOLITHS
  RT    EARTH RESOURCES
        GEOLOGY
        REGOLITH
      % SHELVES
        SOILS
        STRATA
        STRATIFICATION
        STRATIGRAPHY
        TUNNELING (EXCAVATION)

BEDS
  0202 0506 0603 1101 1104
  RT    BEDS (PROCESS ENGINEERING)
        COUCHES

BEDS (GEOLOGY)
  1306 1308
```

```
  UF    LAKE BEDS
  GS    LANDFORMS
        #BEDS (GEOLOGY)
        ..SALT BEDS
  RT    GEOLOGY
        OCEAN BOTTOM
        STRATA
        STRATIGRAPHY

BEDS (PROCESS ENGINEERING)
  0602
  RT    BEDS
        CHEMICAL REACTORS
        EXTRACTION
        FILTRATION
        FLUIDIZED BED PROCESSORS
        ION EXCHANGING
        PERCOLATION

BEECH AIRCRAFT
  USE   BEECHCRAFT AIRCRAFT

BEECH C-33 AIRCRAFT
  USE   C-33 AIRCRAFT

BEECH S-35 AIRCRAFT
  USE   C-35 AIRCRAFT

BEECH 99 AIRCRAFT
  0201
  GS    BEECHCRAFT AIRCRAFT
        #BEECH 99 AIRCRAFT
        ..BEECHCRAFT 18 AIRCRAFT
        ..C-33 AIRCRAFT
        ..C-35 AIRCRAFT
        LIGHT AIRCRAFT
        #BEECH 99 AIRCRAFT
        ..BEECHCRAFT 18 AIRCRAFT
        ..C-33 AIRCRAFT
        ..C-35 AIRCRAFT
  RT % AIRCRAFT
     % LOW WING AIRCRAFT

BEECHCRAFT AIRCRAFT
  0201 0204
  UF    BEECH AIRCRAFT
  GS   #BEECHCRAFT AIRCRAFT
        .BEECH 99 AIRCRAFT
        ..BEECHCRAFT 18 AIRCRAFT
        ..C-33 AIRCRAFT
        ..C-35 AIRCRAFT
  RT % AIRCRAFT

BEECHCRAFT 18 AIRCRAFT
  0204
  GS    BEECHCRAFT AIRCRAFT
        .BEECH 99 AIRCRAFT
        .#BEECHCRAFT 18 AIRCRAFT
        GENERAL AVIATION AIRCRAFT
        #BEECHCRAFT 18 AIRCRAFT
        LIGHT AIRCRAFT
        .BEECH 99 AIRCRAFT
        .#BEECHCRAFT 18 AIRCRAFT
        MONOPLANES
        #BEECHCRAFT 18 AIRCRAFT
  RT % AIRCRAFT

BEER LAW
  2306 2402
  RT    ABSORPTIVITY
        BOUGUER LAW
        ELECTROMAGNETIC ABSORPTION
        MOLECULAR ABSORPTION

BEES
  0402
  GS    ANIMALS
        .INVERTEBRATES
        ..ARTHROPODS
        ...INSECTS
        ...#BEES
  RT    SWARMING

BEETLES
  0402
  GS    ANIMALS
        .INVERTEBRATES
        ..ARTHROPODS
        ...INSECTS
        ....COLEOPTERA
        ....#BEETLES
        .....TRIBOLIA
  RT    INFESTATION

BEHAVIOR
  0408 0410 3406
  GS   #BEHAVIOR
        .DECONDITIONING
        .HUMAN BEHAVIOR
  RT    CONDITIONING (LEARNING)
        DIAGNOSIS
        EDUCATION
        EXTROVERSION
        LEARNING
        MIGRATION
        SKINNER BOXES

BELARUS
  1305
  GS    NATIONS
        #BELARUS
  RT    EUROPE

BELFAST AIRCRAFT
  USE   SC-5 AIRCRAFT

BELGIAN CONGO
  USE   ZAIRE

BELGIAN SPACE PROGRAM
  3409
  GS    PROGRAMS
        .SPACE PROGRAMS
        ..EUROPEAN SPACE PROGRAMS
        ..#BELGIAN SPACE PROGRAM
  RT    BELGIUM

BELGIUM
  1305
  GS    NATIONS
        #BELGIUM
  RT    BELGIAN SPACE PROGRAM
        EUROPE

BELIZE
  1305
  UF    BRITISH HONDURAS
  GS    NATIONS
        #BELIZE
  RT    CARIBBEAN REGION
        CARIBBEAN SEA
        CENTRAL AMERICA

BELL AIRCRAFT
  0201 0207
  GS   #BELL AIRCRAFT
        .AH-63 HELICOPTER
        .BELL 214A HELICOPTER
        .OH-4 HELICOPTER
        .OH-13 HELICOPTER
        .UH-1 HELICOPTER
        .V-22 AIRCRAFT
        .X-1 AIRCRAFT
        .X-2 AIRCRAFT
        .X-5 AIRCRAFT
        .X-14 AIRCRAFT
        .X-22 AIRCRAFT
        .XV-3 AIRCRAFT
        .XV-15 AIRCRAFT
  RT % AIRCRAFT

BELL 214A HELICOPTER
  0207
  GS    BELL AIRCRAFT
        #BELL 214A HELICOPTER
```

```
        V/STOL AIRCRAFT
        .ROTARY WING AIRCRAFT
        ..HELICOPTERS
        ...MILITARY HELICOPTERS
        ...#BELL 214A HELICOPTER
  RT % AIRCRAFT
        VERTICAL TAKEOFF AIRCRAFT

BELLMAN THEORY
  1902 3401
  RT    DYNAMIC PROGRAMMING
        OPTIMIZATION
     % THEORIES

BELLOWS
  1504
  SN    (EXPANDABLE JOINTS--FOR DEVICES TO
        MOVE GASES, USE BLOWERS)
  GS    EXPANDABLE STRUCTURES
        #BELLOWS
  RT    EXPULSION BLADDERS
        JOINTS (JUNCTIONS)
        PUMPS

BELLS
  0701 1108 2301 3202
  RT    AUDITORY SIGNALS
        PRESSURE VESSELS
        PSYCHOACOUSTICS
     % SIGNALS
        SOUND GENERATORS
        WARNING
        WARNING SYSTEMS

BELTRAMI FLOW
  1204
  GS    FLUID FLOW
        #BELTRAMI FLOW
  RT    INCOMPRESSIBLE FLOW
        STEADY FLOW
        VORTICITY

% BELTS
  0508 1103 1307 1308 1502 1504 2903
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    ASTEROID BELTS
        CABLES (ROPES)
        FASTENERS
        GIRDLES
        PROTON BELTS
        PULLEYS
        RADIATION BELTS
        REGIONS
        ROUSE BELTS
        SEAT BELTS
        TERRESTRIAL DUST BELT

BENARD CELLS
  1202 3303
  GS    CONVECTION
        .FREE CONVECTION
        ..RAYLEIGH-BENARD CONVECTION
        ..#BENARD CELLS
        FLUID FLOW
        .CONVECTIVE FLOW
        ..RAYLEIGH-BENARD CONVECTION
        ..#BENARD CELLS
  RT    CONVECTION CURRENTS
        CONVECTION-DIFFUSION EQUATION
        RAYLEIGH NUMBER
        SOLAR CONVECTION (ASTRONOMY)
        SOLAR GRANULATION
        STELLAR CONVECTION

BENCHES
  USE   SEATS

BEND TESTS
  1704
  RT    BENDING
        CRACK PROPAGATION
        DESTRUCTIVE TESTS
        FRACTURE MECHANICS
        FRACTURE STRENGTH
     % MATERIALS TESTS
     % TESTS

BENDING
  1505 1704 3203 3407
  GS   #BENDING
        .ELASTIC BENDING
  RT    BEND TESTS
     % BOWS
        BUCKLING
        CAMBER
        DEFLECTION
        DEFORMATION
        DISPLACEMENT
        DISTORTION
        ELASTIC DEFORMATION
        FATIGUE TESTS
        FIBER STRENGTH
        FLEXIBILITY
        FLEXING
        FLUTTER
        FOLDING
        HEAVING
        MODULUS OF ELASTICITY
        PLASTIC DEFORMATION
        STIFFNESS
        STRUCTURAL FAILURE
        STRUCTURAL STRAIN
        TEMPERATURE INVERSIONS
        TWISTING
        WARPAGE

BENDING DIAGRAMS
  3203
  GS    DIAGRAMS
        #BENDING DIAGRAMS
  RT    DEFLECTION

BENDING FATIGUE
  3204
  GS    FATIGUE (MATERIALS)
        #BENDING FATIGUE
  RT    METAL FATIGUE
        S-N DIAGRAMS

BENDING MOMENTS
  3203
  GS    MOMENTS
        #BENDING MOMENTS
  RT    LOADING MOMENTS
        NASTRAN
        STATIC LOADS
        STRESS ANALYSIS
        STRUCTURAL DESIGN CRITERIA
        TORQUE

BENDING THEORY
  3203
  RT    STRESS ANALYSIS
        STRESS INTENSITY FACTORS
     % THEORIES

BENDING VIBRATION
  3203
  GS    VIBRATION
        .STRUCTURAL VIBRATION
        .#BENDING VIBRATION
  RT    BREATHING VIBRATION
        FLUTTER
        MISSILE VIBRATION
        PANEL FLUTTER
        RANDOM VIBRATION
        SELF INDUCED VIBRATION

BENDS (PHYSIOLOGY)
  USE   DECOMPRESSION SICKNESS

BENEFICIATION
  0602 3407
```

```
  RT % ABSORPTION
       ADSORPTION
       AERATION
       CLEAN FUELS
       COMMINUTION
       CONCENTRATING
     % CONDITIONING
       ENRICHMENT
       EXPLOITATION
       EXTRACTION
       FILTRATION
       FLOTATION
       FOAMING
       ISOTOPIC ENRICHMENT
       LEACHING
     % METALLURGY
       MINERALS
       PURIFICATION
       REFINING
     % SEPARATION
       SETTLING
       SIZE SEPARATION
       SUBLIMATION
       UPGRADING
       WASHING
       WASTES

BENIN
  1305
  UF   DAHOMEY
  GS   NATIONS
       #BENIN
  RT   AFRICA

BENTONITE
  1805 1806 1809
  RT   MONTMORILLONITE
       SOILS
       WATER TREATMENT

BENZENE
  0403 1808
  GS   ORGANIC COMPOUNDS
       .CYCLIC COMPOUNDS
       ..CYCLIC HYDROCARBONS
       ..#BENZENE
       .HYDROCARBONS
       ..CYCLIC HYDROCARBONS
       ..#BENZENE
  RT   CHLOROBENZENES
       CYCLOHEXANE
       SOLVENT REFINED COAL

BENZENE POISONING
  0405 0412
  RT   HYDROCARBON POISONING
       INDUSTRIAL SAFETY
     % POISONING
       TOXICITY AND SAFETY HAZARD
       TOXICOLOGY

BENZILIC ACID
  0403 1808
  GS   ACIDS
       .CARBOXYLIC ACIDS
       ..FATTY ACIDS
       ..#BENZILIC ACID
       ORGANIC COMPOUNDS
       .CARBOXYLIC ACIDS
       ..FATTY ACIDS
       ..#BENZILIC ACID

BENZOIC ACID
  0403 1808
  GS   ACIDS
       .CARBOXYLIC ACIDS
       ..FATTY ACIDS
       ..#BENZOIC ACID
       ORGANIC COMPOUNDS
       .CARBOXYLIC ACIDS
       ..FATTY ACIDS
       ..#BENZOIC ACID

BENZOQUINONE
  USE  QUINONES

BERENICE ROCKET VEHICLE
  3101 3106
  GS   ROCKET VEHICLES
       .MULTISTAGE ROCKET VEHICLES
       .#BERENICE ROCKET VEHICLE
  RT   HYPERSONIC REENTRY
       SOLID PROPELLANT ROCKET ENGINES

BERGMAN OPERATOR
  1902
  GS   OPERATORS (MATHEMATICS)
       #BERGMAN OPERATOR

BERING SEA
  1305
  GS   SEAS
       #BERING SEA
  RT   PACIFIC OCEAN

BERKELIUM
  0603 2406
  GS   CHEMICAL ELEMENTS
       .ACTINIDE SERIES
       ..TRANSURANIUM ELEMENTS
       ..#BERKELIUM
       .NUCLIDES
       ..ISOTOPES
       ...RADIOACTIVE ISOTOPES
       ....TRANSURANIUM ELEMENTS
       ....#BERKELIUM
       METALS
       .ACTINIDE SERIES
       ..TRANSURANIUM ELEMENTS
       ..#BERKELIUM

BERMUDA
  1305
  GS   LANDFORMS
       .ISLANDS
       .#BERMUDA
  RT   ATLANTIC OCEAN

BERNOULLI EQUATION
  USE  BERNOULLI THEOREM

BERNOULLI THEOREM
  0101 0201 1202
  UF   BERNOULLI EQUATION
  GS   THEOREMS
       #BERNOULLI THEOREM
  RT   CONSERVATION EQUATIONS
     % EQUATIONS
       FLOW EQUATIONS
       FLUID FLOW
       ISENTROPIC PROCESSES
       LINEARIZATION
       MAGNUS EFFECT
       PANEL METHOD (FLUID DYNAMICS)

BERNSTEIN ENERGY PRINCIPLE
  2307 2311
  GS   STRUCTURAL ANALYSIS
       .ENERGY METHODS
       .#BERNSTEIN ENERGY PRINCIPLE
  RT % ENERGY
       MAGNETIC FIELDS

BERYL
  1806 2601
  UF   EMERALD
  GS   ALUMINUM COMPOUNDS
       #BERYL
       ..ALEXANDRITE
       BERYLLIUM COMPOUNDS
       #BERYL
       ..ALEXANDRITE
       MINERALS
       #BERYL
       ..ALEXANDRITE
```

```
        SILICON COMPOUNDS
        .SILICATES
        .#BERYL
  RT    BERYLLIUM

BERYLLIUM
  1703
  GS    CHEMICAL ELEMENTS
        #BERYLLIUM
        ..BERYLLIUM ISOTOPES
        ...BERYLLIUM 7
        ...BERYLLIUM 9
        ...BERYLLIUM 10
        METALS
        #BERYLLIUM
        ..BERYLLIUM ISOTOPES
        ...BERYLLIUM 7
        ...BERYLLIUM 9
        ...BERYLLIUM 10
  RT    BERYL
        MODERATORS

BERYLLIUM ALLOYS
  1701 1704
  GS    ALLOYS
        .LIGHT ALLOYS
        .#BERYLLIUM ALLOYS

BERYLLIUM BOROHYDRIDES
  0603 1804
  GS    BERYLLIUM COMPOUNDS
        #BERYLLIUM BOROHYDRIDES
        BORON COMPOUNDS
        .BOROHYDRIDES
        .#BERYLLIUM BOROHYDRIDES
        .BORON HYDRIDES
        .#BERYLLIUM BOROHYDRIDES
        HYDROGEN COMPOUNDS
        .HYDRIDES
        ..BOROHYDRIDES
        ..#BERYLLIUM BOROHYDRIDES
        ..BORON HYDRIDES
        ..#BERYLLIUM BOROHYDRIDES

BERYLLIUM CHLORIDES
  0603 1804
  GS    BERYLLIUM COMPOUNDS
        #BERYLLIUM CHLORIDES
        HALOGEN COMPOUNDS
        .CHLORINE COMPOUNDS
        ..CHLORIDES
        ..#BERYLLIUM CHLORIDES
        .HALIDES
        ..CHLORIDES
        ..#BERYLLIUM CHLORIDES
        ..METAL HALIDES
        ..#BERYLLIUM CHLORIDES

BERYLLIUM COMPOUNDS
  0603 1804
  GS    #BERYLLIUM COMPOUNDS
        .BERYL
        ..ALEXANDRITE
        .BERYLLIUM BOROHYDRIDES
        .BERYLLIUM CHLORIDES
        .BERYLLIUM FLUORIDES
        .BERYLLIUM HYDRIDES
        .BERYLLIUM NITRIDES
        .BERYLLIUM OXIDES
        ..ALEXANDRITE
  RT %  ALKALINE EARTH COMPOUNDS
     %  CHEMICAL COMPOUNDS
     %  METAL COMPOUNDS
        METAL FUELS
        METAL PROPELLANTS

BERYLLIUM FLUORIDES
  0603 1804
  GS    BERYLLIUM COMPOUNDS
        #BERYLLIUM FLUORIDES
        HALOGEN COMPOUNDS
        .FLUORINE COMPOUNDS
        ..FLUORIDES
        ...METAL FLUORIDES
        ...#BERYLLIUM FLUORIDES

BERYLLIUM HYDRIDES
  0603 1804
  GS    BERYLLIUM COMPOUNDS
        #BERYLLIUM HYDRIDES
        HYDROGEN COMPOUNDS
        .HYDRIDES
        ..METAL HYDRIDES
        ..#BERYLLIUM HYDRIDES

BERYLLIUM ISOTOPES
  1703 2406
  GS    CHEMICAL ELEMENTS
        .BERYLLIUM
        .#BERYLLIUM ISOTOPES
        ...BERYLLIUM 7
        ...BERYLLIUM 9
        ...BERYLLIUM 10
        .NUCLIDES
        ..ISOTOPES
        ..#BERYLLIUM ISOTOPES
        ....BERYLLIUM 7
        ....BERYLLIUM 9
        ....BERYLLIUM 10
        METALS
        .BERYLLIUM
        .#BERYLLIUM ISOTOPES
        ...BERYLLIUM 7
        ...BERYLLIUM 9
        ...BERYLLIUM 10

BERYLLIUM NITRIDES
  0603 1804
  GS    BERYLLIUM COMPOUNDS
        #BERYLLIUM NITRIDES
        NITROGEN COMPOUNDS
        .NITRIDES
        ..METAL NITRIDES
        ..#BERYLLIUM NITRIDES

BERYLLIUM OXIDES
  0603 1801 1804
  GS    BERYLLIUM COMPOUNDS
        #BERYLLIUM OXIDES
        ..ALEXANDRITE
        CHALCOGENIDES
        .OXIDES
        ..METAL OXIDES
        ...ALKALINE EARTH OXIDES
        ...#BERYLLIUM OXIDES

BERYLLIUM POISONING
  0405 0412
  RT    INDUSTRIAL SAFETY
     %  POISONING
        RESPIRATORY DISEASES
        TOXICITY AND SAFETY HAZARD
        TOXICOLOGY

BERYLLIUM 7
  0603 1703 2406 1703 2406
  GS    CHEMICAL ELEMENTS
        .BERYLLIUM
        ..BERYLLIUM ISOTOPES
        ..#BERYLLIUM 7
        .NUCLIDES
        ..ISOTOPES
        ...BERYLLIUM ISOTOPES
        ...#BERYLLIUM 7
        ...RADIOACTIVE ISOTOPES
        ...#BERYLLIUM 7
        METALS
        .BERYLLIUM
        ..BERYLLIUM ISOTOPES
        ..#BERYLLIUM 7

BERYLLIUM 9
  0603 1703 2406 1703 2406
  GS    CHEMICAL ELEMENTS
        .BERYLLIUM
```

..BERYLLIUM ISOTOPES
..#BERYLLIUM 9
.NUCLIDES
..ISOTOPES
...BERYLLIUM ISOTOPES
...#BERYLLIUM 9
...RADIOACTIVE ISOTOPES
...#BERYLLIUM 9
METALS
.BERYLLIUM
..BERYLLIUM ISOTOPES
..#BERYLLIUM 9

BERYLLIUM 10
1703 2406
GS CHEMICAL ELEMENTS
.BERYLLIUM
..BERYLLIUM ISOTOPES
..#BERYLLIUM 10
.NUCLIDES
..ISOTOPES
...BERYLLIUM ISOTOPES
...#BERYLLIUM 10
...RADIOACTIVE ISOTOPES
...#BERYLLIUM 10
METALS
.BERYLLIUM
..BERYLLIUM ISOTOPES
..#BERYLLIUM 10

BESS (SATELLITE)
3107
UF BIOMEDICAL EXPERIMENT SCIENTIFIC SATELLITE
GS ARTIFICIAL SATELLITES
#BESS (SATELLITE)
RT MULTIMISSION MODULAR SPACECRAFT
SPACE SHUTTLES

BESSEL FUNCTIONS
1902 1903
GS ANALYSIS (MATHEMATICS)
.COMPLEX VARIABLES
.#BESSEL FUNCTIONS
...HANKEL FUNCTIONS
.REAL VARIABLES
.#BESSEL FUNCTIONS
...HANKEL FUNCTIONS
RT BOUNDARY VALUE PROBLEMS
DIFFERENTIAL EQUATIONS
HYPERGEOMETRIC FUNCTIONS
ORTHOGONAL FUNCTIONS
POWER SERIES

BESSEL-BREDICHIN THEORY
1902 3009
RT COMETS
KOHOUTEK COMET
RADIATION PRESSURE
% THEORIES

BETA FACTOR
2502
RT DENSE PLASMAS
FLUID PRESSURE
FUSION REACTORS
MAGNETIC FIELDS
MAGNETIC FLUX
MAGNETOHYDRODYNAMIC STABILITY
PLASMA CONTROL
PLASMA EQUILIBRIUM
PLASMA HEATING
PLASMA PHYSICS
PRESSURE EFFECTS
REACTOR PHYSICS
TOKAMAK DEVICES
TOROIDAL PLASMAS

BETA INTERACTIONS
USE WEAK INTERACTIONS (FIELD THEORY)

BETA PARTICLES
2403 2406
GS IONIZING RADIATION
#BETA PARTICLES
NUCLEAR RADIATION
#BETA PARTICLES
PARTICLES
.CHARGED PARTICLES
..ENERGETIC PARTICLES
...PLASMAS (PHYSICS)
...#BETA PARTICLES
.CORPUSCULAR RADIATION
..ELECTRON RADIATION
..#BETA PARTICLES
.ELEMENTARY PARTICLES
.#BETA PARTICLES
.NUCLEAR PARTICLES
.#BETA PARTICLES
RT DECAY
ELECTRON BEAMS
ELECTRONS
FLUX (RATE)
HOT ATOMS
N ELECTRONS
RELATIVISTIC ELECTRON BEAMS
WEAK ENERGY INTERACTIONS

BETAINES
0403 1808
GS BASES (CHEMICAL)
.ALKALOIDS
.#BETAINES
NITROGEN COMPOUNDS
.ALKALOIDS
.#BETAINES
ORGANIC COMPOUNDS
.CYCLIC COMPOUNDS
..HETEROCYCLIC COMPOUNDS
...ALKALOIDS
...#BETAINES

BETATRONS
2202 2403 3404
GS PARTICLE ACCELERATORS
.CYCLIC ACCELERATORS
.#BETATRONS
.ELECTRON ACCELERATORS
.#BETATRONS
RT MICROTRONS
SYNCHROTRONS

BETHE-HEITLER FORMULA
1902 2306 2402 2403
GS MATHEMATICAL LOGIC
.FORMULAS (MATHEMATICS)
.#BETHE-HEITLER FORMULA

BETHE-SALPETER EQUATION
1902 2403
GS ANALYSIS (MATHEMATICS)
.REAL VARIABLES
.#BETHE-SALPETER EQUATION
RT DIFFERENTIAL EQUATIONS
% EQUATIONS
EQUATIONS OF MOTION
KINETIC EQUATIONS
QUANTUM MECHANICS

BEVATRON
2202 2403 3404
GS PARTICLE ACCELERATORS
.CYCLIC ACCELERATORS
..SYNCHROTRONS
..#BEVATRON
RT SYNCHROCYCLOTRONS

BEVERAGES
0505
GS LIQUIDS
.POTABLE LIQUIDS
.#BEVERAGES
...WINES
RT COFFEE
DRINKING

```
     % FOOD
       MILK

BGK MODEL
  0804 1902 4001
  UF   BHATNAGAR-GRASS-KROOK MODEL
  GS   MODELS
       .MATHEMATICAL MODELS
       .#BGK MODEL
  RT   BOLTZMANN TRANSPORT EQUATION
       COMPUTATIONAL FLUID DYNAMICS
       KINETIC EQUATIONS
       KINETIC THEORY
       KNUDSEN FLOW
       MOLECULAR COLLISIONS
       MOLECULAR FLOW
       PARTICLE COLLISIONS
       RAREFIED GAS DYNAMICS

BHATNAGAR-GRASS-KROOK MODEL
  USE  BGK MODEL

BHUTAN
  1305
  GS   NATIONS
       #BHUTAN
  RT   HIMALAYAS
       INDIA
       SIKKIM
       TIBET

BI-SR-CA-CU-O SUPERCONDUCTORS
  USE  BSCCO SUPERCONDUCTORS

BIAS
  0410
  GS  #BIAS
       .RESPONSE BIAS
  RT   COMPENSATORS
       DISPLACEMENT
       ELECTRIC POTENTIAL
       ERRORS
       INSTRUMENT ERRORS
       OPEN CIRCUIT VOLTAGE
       TUBE GRIDS

BIBLIOGRAPHIES
  3405
  GS   DOCUMENTS
       #BIBLIOGRAPHIES
  RT   ABSTRACTS
       BIOGRAPHY
       DOCUMENTATION
       GENERAL OVERVIEWS
       HANDBOOKS
       INDEXES (DOCUMENTATION)
       INFORMATION DISSEMINATION
       INFORMATION RETRIEVAL
       LIBRARIES
       LITERATURE
     % REFERENCE SYSTEMS
       SPACE GLOSSARIES
       SUMMARIES

BICARBONATES
  USE  CARBONATES

BICRYSTALS
  2601
  GS   CRYSTALS
       #BICRYSTALS
  RT   POLYCRYSTALS
       SINGLE CRYSTALS

% BICYCLE
  0401 1101 3404 3501
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   LANDING GEAR
       SURFACE VEHICLES

BIDIRECTIONAL REFLECTANCE
  2306 2310
  GS   ELECTROMAGNETIC PROPERTIES
       .OPTICAL PROPERTIES
       ..REFLECTANCE
       ..#BIDIRECTIONAL REFLECTANCE
  RT   LIGHT SCATTERING
       REFLECTION
       SPECTRAL REFLECTANCE
       SURFACE PROPERTIES

BIFURCATION (BIOLOGY)
  0404
  RT   ANATOMY
       ARTERIES
     % BIOLOGY
       BLOOD VESSELS
       BRANCHING (PHYSICS)
       VEINS

BIFURCATION (MATHEMATICS)
  USE  BRANCHING (MATHEMATICS)

BIG BANG COSMOLOGY
  3001 3003
  GS   COSMOLOGY
       #BIG BANG COSMOLOGY
  RT   ASTRONOMICAL MODELS
       BACKGROUND RADIATION
       COSMIC RAYS
       GALACTIC EVOLUTION
       GAMMA RAY BURSTS
       GRAND UNIFIED THEORY
       GRAVITATIONAL CONSTANT
       RELATIVITY
       RELIC RADIATION
       UNIVERSE

BIG SHOT PROJECT
  0205 3409
  GS   PROGRAMS
       .PROJECTS
       .#BIG SHOT PROJECT

BIGHORN MOUNTAINS (MT-WY)
  1305 1306
  GS   LANDFORMS
       .MOUNTAINS
       .#BIGHORN MOUNTAINS (MT-WY)
  RT   MONTANA
       WYOMING

BIGHTS
  USE  BAYS (TOPOGRAPHIC FEATURES)

BIHARMONIC EQUATIONS
  1902 1903
  GS   ANALYSIS (MATHEMATICS)
       .REAL VARIABLES
       ..DIFFERENTIAL EQUATIONS
       ...PARTIAL DIFFERENTIAL EQUATIONS
       ...#BIHARMONIC EQUATIONS
  RT   ELASTIC PROPERTIES
     % EQUATIONS

BILLETS
  1703 1704 3204
  RT   CASTING
       CASTINGS
       FORGING
       INGOTS
       METAL PLATES
       METAL STRIPS
       RODS
       SLABS
       WIRE

BIMETALS
  1701 1703 1704
  RT   ALLOYING
       ALLOYS
       COMPOSITE MATERIALS
       FUNCTIONALLY GRADIENT MATERIALS
```

```
        METAL BONDING
        METALS

BIMETRIC THEORIES
  2302
  RT    GRAVITATION THEORY
        METRIC SPACE
        SCHWARZSCHILD METRIC
      % THEORIES

BINARY ALLOYS
  1701 1704
  GS    ALLOYS
        #BINARY ALLOYS
        BINARY SYSTEMS (MATERIALS)
        #BINARY ALLOYS
  RT    ALLOYING

BINARY CODES
  0802 0803 1902
  RT    BCH CODES
        BIT ERROR RATE
      % CODES
        CONCATENATED CODES
        DIGITAL SYSTEMS
        TRELLIS CODING

BINARY DATA
  0802 0803
  RT    ANALOG DATA
        BIT ERROR RATE
        BUBBLE MEMORY DEVICES
      % DATA
        DATA PROCESSING
        DECIMAL TO BINARY CONVERTERS
        DIGITAL DATA

BINARY DIGITS
  0802 0803 1902 1903
  GS    ALPHANUMERIC CHARACTERS
        .DIGITS
        .#BINARY DIGITS
  RT    BIT ERROR RATE
        BITS
        DIGITAL ELECTRONICS
        DIGITAL SYSTEMS

BINARY FLUIDS
  0603 1201 1202
  GS    BINARY SYSTEMS (MATERIALS)
        .BINARY MIXTURES
        .#BINARY FLUIDS
        MIXTURES
        .BINARY MIXTURES
        .#BINARY FLUIDS
  RT %  FLUIDS
        GAS MIXTURES
        KINETIC THEORY
        LENNARD-JONES GAS
        TRANSPORT PROPERTIES

BINARY INTEGRATION
  0802 1902 1903
  GS    ANALYSIS (MATHEMATICS)
        .REAL VARIABLES
        ..MEASURE AND INTEGRATION
        ..#BINARY INTEGRATION
  RT    ADDING CIRCUITS
        DIGITAL INTEGRATORS

BINARY MIXTURES
  0603 1701 1704 1806
  GS    BINARY SYSTEMS (MATERIALS)
        #BINARY MIXTURES
        ..BINARY FLUIDS
        ..EUTECTICS
        ...EUTECTIC ALLOYS
        MIXTURES
        #BINARY MIXTURES
        ..BINARY FLUIDS
        ..EUTECTICS
        ...EUTECTIC ALLOYS
  RT    AZEOTROPES
        GAS MIXTURES
        LIQUID-GAS MIXTURES

BINARY PHASE SHIFT KEYING
  0702 1001 2402
  UF    BIPHASE SHIFT KEYING
        BPSK
  GS    CODING
        .SIGNAL ENCODING
        ..PHASE MODULATION
        ...PHASE SHIFT KEYING
        ...#BINARY PHASE SHIFT KEYING
        KEYING
        .PHASE SHIFT KEYING
        .#BINARY PHASE SHIFT KEYING
        MODULATION
        .PHASE MODULATION
        ..PHASE SHIFT KEYING
        ..#BINARY PHASE SHIFT KEYING
  RT    QUADRATURE PHASE SHIFT KEYING
        SATELLITE TRANSMISSION

BINARY STARS
  1901 3001
  GS    CELESTIAL BODIES
        .STARS
        ..DOUBLE STARS
        ..#BINARY STARS
        ....CATACLYSMIC VARIABLES
        ....COMPANION STARS
        .....NEMESIS (STAR)
        ....ECLIPSING BINARY STARS
        .....DWARF NOVAE
        .....LAMBDA TAURI STARS
        .....ZETA AURIGAE STAR
        ....SIGMA ORIONIS
        ....SYMBIOTIC STARS
        ....X RAY BINARIES
  RT    ACCRETION DISKS
        LIMB DARKENING
        STAR CLUSTERS
        STELLAR PARALLAX
        STELLAR SYSTEMS
        TRIPLE STARS
        TWO BODY PROBLEM
        VARIABLE STARS

BINARY SUMMATORS
  USE   ADDING CIRCUITS

BINARY SYSTEMS (DIGITAL)
  USE   DIGITAL SYSTEMS

BINARY SYSTEMS (MATERIALS)
  1704 1805 2601
  UF    TWO PHASE SYSTEMS
  GS   #BINARY SYSTEMS (MATERIALS)
        .BINARY ALLOYS
        .BINARY MIXTURES
        ..BINARY FLUIDS
        ..EUTECTICS
        ...EUTECTIC ALLOYS
  RT    ALLOYS
      % MATERIALS
        PHASE DIAGRAMS
        PHASE SEPARATION (MATERIALS)
        SOLIDUS
      % SYSTEMS
        TERNARY SYSTEMS

BINARY TO DECIMAL CONVERTERS
  0802 1902
  GS    DATA CONVERTERS
        #BINARY TO DECIMAL CONVERTERS
  RT    COMPUTER COMPONENTS
      % CONVERTERS
        DATA PROCESSING
        DECIMAL TO BINARY CONVERTERS

BINAURAL HEARING
  0408 2301
  GS    HEARING
```

```
        #BINAURAL HEARING
        PERCEPTION
        #BINAURAL HEARING
  RT    AUDITORY PERCEPTION
        SOUND LOCALIZATION
        WEBER TEST

BINDERS (ADHESIVES)
  USE   ADHESIVES

BINDERS (MATERIALS)
  0403 0601 1805 1808
  GS   #BINDERS (MATERIALS)
        .PROPELLANT BINDERS
        ..SOLID ROCKET BINDERS
  RT    ADDITIVES
        ADHESIVES
        CEMENTS
      % MATERIALS
        MOLDING MATERIALS
        SIZING MATERIALS
        SOLID LUBRICANTS

BINDING
  1507 1811 2401 2404 2405
  RT    BONDING
        COLLATING
        FOLDING
      % JOINING
        PRINTING
        SEALING
        SEWING

BINOCULAR VISION
  0404 0408
  GS    VISION
        #BINOCULAR VISION
  RT    HAPLOSCOPES
        MOTION PERCEPTION
        SPACE PERCEPTION
        STEREOSCOPIC VISION

BINOCULARS
  1412 2310
  GS    OPTICAL EQUIPMENT
        #BINOCULARS
  RT    EYEPIECES
        MICROSCOPES
        PERISCOPES
        TELESCOPES

BINOMIAL COEFFICIENTS
  1902
  GS    ANALYSIS (MATHEMATICS)
        .COMBINATORIAL ANALYSIS
        .#BINOMIAL COEFFICIENTS
        COEFFICIENTS
        #BINOMIAL COEFFICIENTS
  RT    FACTORIALS

BINOMIAL THEOREM
  1902
  GS    ALGEBRA
        #BINOMIAL THEOREM
        THEOREMS
        #BINOMIAL THEOREM
  RT    BINOMIALS
        PROBABILITY DENSITY FUNCTIONS
        PROBABILITY THEORY
        STATISTICAL ANALYSIS
        STATISTICAL DISTRIBUTIONS

BINOMIALS
  1902
  GS    ALGEBRA
        .POLYNOMIALS
        .#BINOMIALS
  RT    BINOMIAL THEOREM

BIOACOUSTICS
  0404 0504 0508 2301
  GS    ACOUSTICS
        #BIOACOUSTICS
  RT    ACOUSTIC ATTENUATION
        AUDITORY DEFECTS
        AUDITORY SENSATION AREAS
        BIOENGINEERING
      % BIOLOGY
        PSYCHOACOUSTICS
      % SCIENCE
        SOUND INTENSITY

BIOASSAY
  0403 0404 0601
  UF    BIOLOGICAL ANALYSIS
  RT    BIOCHEMISTRY
        BIOLOGICAL EFFECTS
      % BIOLOGY
        HISTOCHEMICAL ANALYSIS

BIOASTRONAUTICAL ORBITAL SPACE SYSTEM
  0401 3409
  GS    PROGRAMS
        .NASA PROGRAMS
        ..NASA SPACE PROGRAMS
        ..#BIOASTRONAUTICAL ORBITAL SPACE
           SYSTEM
        .SPACE PROGRAMS
        ..NASA SPACE PROGRAMS
        ..#BIOASTRONAUTICAL ORBITAL SPACE
           SYSTEM
  RT  % SYSTEMS

BIOASTRONAUTICS
  0401 0404 0504 0506 0507
  RT    AEROSPACE ENVIRONMENTS
        AEROSPACE MEDICINE
      % ASTRONAUTICS
        BIOENGINEERING
      % BIOLOGY
        BIOSATELLITE 1
        BIOSATELLITE 2
        BIOSATELLITE 3
        CLOSED ECOLOGICAL SYSTEMS
        COLUMBUS SPACE STATION
        EARTH ATMOSPHERE
        EXOBIOLOGY
        HEAD DOWN TILT
        LUNAR ENVIRONMENT
        PLANETARY ENVIRONMENTS
      % SCIENCE
        SPACE ADAPTATION SYNDROME
        SPACE EXPLORATION
        SPACE FLIGHT
        SPACE STATIONS
        SPACECRAFT ENVIRONMENTS

BIOCHEMICAL FUEL CELLS
  0302 0403
  GS    ELECTRIC GENERATORS
        .DIRECT POWER GENERATORS
        ..FUEL CELLS
        ..#BIOCHEMICAL FUEL CELLS
        ELECTROCHEMICAL CELLS
        .FUEL CELLS
        .#BIOCHEMICAL FUEL CELLS
  RT  % BIOLOGY
        PHOSPHORIC ACID FUEL CELLS
        REGENERATIVE FUEL CELLS

BIOCHEMICAL OXYGEN DEMAND
  0403
  UF    BOD
  RT    ALGAE
      % BIOLOGY
        ECOLOGY
        OXIMETRY
        OXYGEN CONSUMPTION
        PLANTS (BOTANY)
        POLLUTION CONTROL
        WATER POLLUTION
        WATER TREATMENT

BIOCHEMISTRY
  0403
```

```
  GS  #BIOCHEMISTRY
      .BIOGEOCHEMISTRY
      .ENZYMOLOGY
      .PHYSIOCHEMISTRY
  RT  BACTERIOLOGY
      BIOASSAY
      BIODEGRADATION
      BIOENGINEERING
    % BIOLOGY
      CHEMICAL WARFARE
    % CHEMISTRY
      CYTOLOGY
      GAIA HYPOTHESIS
      GENETIC ENGINEERING
      HISTOCHEMICAL ANALYSIS
      IMMUNOASSAY
      INTERFERON
      MARINE CHEMISTRY
      METABOLITES
      MOLECULAR BIOLOGY
      MUTAGENS
      NITROGEN METABOLISM
      NUTRITION
      OPTICAL ACTIVITY
      ORGANIC CHEMISTRY
      RADIOIMMUNOASSAY
      VEGETATION GROWTH

BIOCLIMATOLOGY
  USE BIOMETEOROLOGY

BIOCOMPATIBILITY
  0408
  GS  COMPATIBILITY
      #BIOCOMPATIBILITY
  RT  ANTIBODIES
      ANTIGENS
    % BIOLOGY
      BLOOD
      IMMUNOLOGY
      LEUKOCYTES
      PHYSIOLOGICAL DEFENSES
      VACCINES

BIOCONTROL SYSTEMS
  0506
  SN  (RESTRICTED TO ARTIFICIAL
      BIOTECHNOLOGICAL SYSTEMS FOR THE
      CONTROL OF BIOLOGICAL
      PROCESSES--USE REGULATORY
      MECHANISMS (BIOLOGY) FOR NATURAL
      PHYSIOLOGICAL REGULATION)
  RT  BIOFEEDBACK
    % BIOLOGY
      BIONICS
      PSYCHOMOTOR PERFORMANCE
      REGULATORY MECHANISMS (BIOLOGY)
    % SYSTEMS
      TOLERANCES (PHYSIOLOGY)

BIOCONVERSION
  3203
  RT  ALGAE
    % BIOLOGY
      BIOMASS ENERGY PRODUCTION
      BIOPROCESSING
    % CONVERSION
      ENZYME ACTIVITY
      FERMENTATION
      FUELS
      HYDROCARBON FUEL PRODUCTION
      METHANE
      SOLAR HEATING
      VEGETATION

BIODEGRADABILITY
  0408
  GS  DISSOCIATION
      #BIODEGRADABILITY
  RT % BIOLOGY
      DECAY
      DECOMPOSITION
      DETERIORATION
      ORGANIC MATERIALS
    % PROPERTIES

BIODEGRADATION
  0404 1505 3406
  GS  DEGRADATION
      #BIODEGRADATION
  RT  ACTIVATED SLUDGE
      BIOCHEMISTRY
    % BIOLOGY
      DECAY
      DECOMPOSITION
      DETERIORATION

BIODYNAMICS
  0401 0404 0408 0506
  UF  BIOMECHANICS
  RT  ANATOMY
      BIOENGINEERING
      BIOLOGICAL MODELS (MATHEMATICS)
    % BIOLOGY
      BIOPHYSICS
    % DYNAMICS
    % SCIENCE
      STRESS (PHYSIOLOGY)

BIOELECTRIC POTENTIAL
  0403 0404 2304
  GS  POTENTIAL ENERGY
      .ELECTRIC POTENTIAL
      .#BIOELECTRIC POTENTIAL
  RT  BIOELECTRICITY
    % BIOLOGY

BIOELECTRICITY
  0403 0404 2304
  UF  NEURON TRANSMISSION
  RT  BIOELECTRIC POTENTIAL
    % BIOLOGY
      BIOMAGNETISM
      INFORMATION PROCESSING (BIOLOGY)
      NEUROMUSCULAR TRANSMISSION
      SPIKE POTENTIALS

BIOENGINEERING
  0404 0501 0503 0505 0506 3404
  GS  #BIOENGINEERING
      .BIOINSTRUMENTATION
      ..BIOTELEMETRY
      ..IMPLANTED ELECTRODES (BIOLOGY)
      .BIOMETRICS
      ..BODY MEASUREMENT (BIOLOGY)
      ...ANTHROPOMETRY
      ...ELECTROPLETHYSMOGRAPHY
      ..CARDIOGRAPHY
      ...BALLISTOCARDIOGRAPHY
      ...ELECTROCARDIOGRAPHY
      ...MAGNETOCARDIOGRAPHY
      ...PHONOCARDIOGRAPHY
      ....ECHOCARDIOGRAPHY
      ...SEISMOCARDIOGRAPHY
      ...VECTORCARDIOGRAPHY
      ..ECHOENCEPHALOGRAPHY
      ..ELECTROENCEPHALOGRAPHY
      ..ELECTROMYOGRAPHY
      ..ELECTRONYSTAGMOGRAPHY
      ..ELECTRORETINOGRAPHY
      ..PLETHYSMOGRAPHY
      ...ELECTROPLETHYSMOGRAPHY
      ..RADIOCARDIOGRAPHY
  RT  BIOACOUSTICS
      BIOASTRONAUTICS
      BIOCHEMISTRY
      BIODYNAMICS
    % BIOLOGY
      BIONICS
      BIOPAKS
      BIOPHYSICS
      BONE MINERAL CONTENT
    % ENGINEERING
      GENETIC ENGINEERING
      HUMAN FACTORS ENGINEERING
```

UNDERWATER BREATHING APPARATUS
VOICE CONTROL

BIOFEEDBACK
0404
GS FEEDBACK
#BIOFEEDBACK
..SENSORY FEEDBACK
RT AEROSPACE MEDICINE
BIOCONTROL SYSTEMS
BLOOD PRESSURE
CONDITIONING (LEARNING)
% CONTROL
FEEDBACK CONTROL
HEART RATE
HUMAN FACTORS ENGINEERING
PSYCHOLOGY

BIOFLAVONOIDS
0403 1808
UF VITAMIN P
GS ORGANIC COMPOUNDS
.CYCLIC COMPOUNDS
..HETEROCYCLIC COMPOUNDS
..#BIOFLAVONOIDS
VITAMINS
#BIOFLAVONOIDS
RT DRUGS

BIOGENESIS
USE BIOLOGICAL EVOLUTION

BIOGENY
0404
RT % BIOLOGY
% EVOLUTION
ONTOGENY

BIOGEOCHEMISTRY
0403 0404 0409 0601 1306 1308
GS BIOCHEMISTRY
#BIOGEOCHEMISTRY
ENVIRONMENTAL CHEMISTRY
.GEOCHEMISTRY
.#BIOGEOCHEMISTRY
RT % BIOLOGY
BOTANY
% CHEMISTRY
GEOBOTANY
INTERNATIONAL GEOSPHERE-BIOSPHERE PROGRAM
MINERALS
PLANTS (BOTANY)

BIOGRAPHY
3403
GS LITERATURE
#BIOGRAPHY
RT AWARDS
BIBLIOGRAPHIES
CASE HISTORIES
DOCUMENTATION

BIOINSTRUMENTATION
0401 0501 0506
UF BIOSENSORS
GS BIOENGINEERING
#BIOINSTRUMENTATION
..BIOTELEMETRY
..IMPLANTED ELECTRODES (BIOLOGY)
RT % BIOLOGY
BIOMETRICS
BIONICS
ECHOENCEPHALOGRAPHY
% ENGINEERING
IMBLMS
% INSTRUMENTS
MAGNETOCARDIOGRAPHY
MEASURING INSTRUMENTS
RESPIROMETERS
% SENSORS
SPHYGMOGRAPHY
WILDLIFE RADIOLOCATION

BIOLOGICAL ACTIVITY
USE ACTIVITY (BIOLOGY)

BIOLOGICAL ANALYSIS
USE BIOASSAY

BIOLOGICAL CELLS
USE CELLS (BIOLOGY)

BIOLOGICAL CLOCKS
USE RHYTHM (BIOLOGY)

BIOLOGICAL EFFECTS
0408 0411 0401
GS #BIOLOGICAL EFFECTS
.DESYNCHRONIZATION (BIOLOGY)
.JET LAG
.RELATIVE BIOLOGICAL EFFECTIVENESS (RBE)
RT ACTIVITY (BIOLOGY)
ATROPHY
BIOASSAY
% BIOLOGY
BIOMEDICAL DATA
BONE DEMINERALIZATION
BRAGG CURVE
CHEMICAL EFFECTS
DISORIENTATION
DOSAGE
% EFFECTS
FLIGHT STRESS (BIOLOGY)
HUMAN REACTIONS
ORBITING FROG OTOLITH
PATHOLOGICAL EFFECTS
PHYSIOLOGICAL EFFECTS
PSYCHOLOGICAL EFFECTS
RADIATION DOSAGE
RADIATION EFFECTS
SPACE ADAPTATION SYNDROME
TEMPERATURE
THERMAL POLLUTION

BIOLOGICAL EVOLUTION
0403 0404 0411 3009
UF BIOGENESIS
GS EVOLUTION (DEVELOPMENT)
#BIOLOGICAL EVOLUTION
..ABIOGENESIS
RT ARCHAEBACTERIA
% BIOLOGY
CHEMICAL EVOLUTION
EUKARYOTES
GAIA HYPOTHESIS
GENE EXPRESSION
GENETICS
LIFE SCIENCES
MUTAGENS
MUTATIONS
PANSPERMIA
PROKARYOTES
PROTEIN SYNTHESIS
PROTOBIOLOGY

BIOLOGICAL MODELS
USE BIONICS

BIOLOGICAL MODELS (MATHEMATICS)
0504
GS MODELS
.MATHEMATICAL MODELS
.#BIOLOGICAL MODELS (MATHEMATICS)
RT BIODYNAMICS
% BIOLOGY
BIONICS
DIGITAL SIMULATION
DYNAMIC MODELS

BIOLOGICAL RHYTHM
USE RHYTHM (BIOLOGY)

% BIOLOGY

0404 0407
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT ACTIVATION (BIOLOGY)
ACTIVITY (BIOLOGY)
ACTIVITY CYCLES (BIOLOGY)
AEROBIOLOGY
AEROSPACE MEDICINE
AGING (BIOLOGY)
AGRICULTURE
ANATOMY
ANIMALS
BACTERIOLOGY
BIFURCATION (BIOLOGY)
BIOACOUSTICS
BIOASSAY
BIOASTRONAUTICS
BIOCHEMICAL FUEL CELLS
BIOCHEMICAL OXYGEN DEMAND
BIOCHEMISTRY
BIOCOMPATIBILITY
BIOCONTROL SYSTEMS
BIOCONVERSION
BIODEGRADABILITY
BIODEGRADATION
BIODYNAMICS
BIOELECTRIC POTENTIAL
BIOELECTRICITY
BIOENGINEERING
BIOGENY
BIOGEOCHEMISTRY
BIOINSTRUMENTATION
BIOLOGICAL EFFECTS
BIOLOGICAL EVOLUTION
BIOLOGICAL MODELS (MATHEMATICS)
BIOLUMINESCENCE
BIOMAGNETISM
BIOMASS
BIOMASS ENERGY PRODUCTION
BIOMEDICAL DATA
BIOMETEOROLOGY
BIOMETRICS
BIONICS
BIOPHYSICS
BIOREACTORS
BIOSATELLITES
BIOSPHERE
BIOSYNTHESIS
BIOTECHNOLOGY
BIOTELEMETRY
BODY COMPOSITION (BIOLOGY)
BODY MEASUREMENT (BIOLOGY)
BODY SIZE (BIOLOGY)
BODY VOLUME (BIOLOGY)
BONE DEMINERALIZATION
BONE MINERAL CONTENT
BOTANY
CARBON CYCLE
CELLS (BIOLOGY)
COMPLEMENT (BIOLOGY)
CYTOGENESIS
CYTOLOGY
DIFFERENTIATION (BIOLOGY)
ECOLOGY
EMBRYOLOGY
EVOLUTION (DEVELOPMENT)
EXOBIOLOGY
FATIGUE (BIOLOGY)
FLIGHT STRESS (BIOLOGY)
GENETIC ENGINEERING
GENETICS
HABITATS
IMMUNOLOGY
IMPLANTED ELECTRODES (BIOLOGY)
INTERFERON
LIFE SCIENCES
MARINE BIOLOGY
MEDICAL SCIENCE
MICROBIOLOGY
MOLECULAR BIOLOGY
MORPHOLOGY
NITROGEN METABOLISM
PALEOBIOLOGY
PROTOBIOLOGY
RADIOBIOLOGY
RELATIVE BIOLOGICAL EFFECTIVENESS (RBE)
REPRODUCTION (BIOLOGY)
RHYTHM (BIOLOGY)
% SCIENCE
SKIN TEMPERATURE (BIOLOGY)
% STRESS (BIOLOGY)
TISSUES (BIOLOGY)
VETERINARY MEDICINE

BIOLUMINESCENCE
0404 0605 2306 2402 3408
GS EMISSION
.LIGHT EMISSION
..LUMINESCENCE
..#BIOLUMINESCENCE
RT % BIOLOGY
PHOSPHORESCENCE

BIOMAGNETISM
0404
GS MAGNETIC FIELDS
#BIOMAGNETISM
MAGNETIC PROPERTIES
#BIOMAGNETISM
RT BIOELECTRICITY
% BIOLOGY
BIOPHYSICS
ELECTROMAGNETIC FIELDS
ELECTROMAGNETIC INTERACTIONS
RADIOBIOLOGY

BIOMASS
1309
GS WEIGHT (MASS)
#BIOMASS
RT ANIMALS
% BIOLOGY
CARBON CYCLE
% DENSITY
ORGANISMS
PLANTS (BOTANY)
POPULATIONS
SILVICULTURE
% WEIGHT

BIOMASS ENERGY PRODUCTION
0301 0409
GS ENERGY CONVERSION
#BIOMASS ENERGY PRODUCTION
RT BIOCONVERSION
% BIOLOGY
BIOREACTORS
% CROPS
% ENERGY SOURCES
ENERGY TECHNOLOGY
HYDROCARBON FUEL PRODUCTION
MANURES
METHANATION
VEGETATION
WASTE UTILIZATION

BIOMECHANICS
USE BIODYNAMICS

BIOMEDICAL DATA
0401 0404 0405 0408 0412 0802
RT AEROSPACE MEDICINE
BIOLOGICAL EFFECTS
% BIOLOGY
BIOMETRICS
BODY MEASUREMENT (BIOLOGY)
CARDIOGRAMS
% DATA
HEART RATE
IMBLMS

BIOMEDICAL EXPERIMENT SCIENTIFIC SATELLITE
USE BESS (SATELLITE)

```
BIOMETEOROLOGY
  0404 2001 2003
  UF   BIOCLIMATOLOGY
  GS   METEOROLOGY
       #BIOMETEOROLOGY
  RT % BIOLOGY
       COASTAL ECOLOGY
       COASTAL PLAINS
       ECOLOGY
       MICROCLIMATOLOGY
       NIGHTGLOW
       PHENOLOGY

BIOMETRICS
  0404 0501 1902 1905
  GS   BIOENGINEERING
       #BIOMETRICS
       ..BODY MEASUREMENT (BIOLOGY)
       ...ANTHROPOMETRY
       ...ELECTROPLETHYSMOGRAPHY
       ..CARDIOGRAPHY
       ...BALLISTOCARDIOGRAPHY
       ...ELECTROCARDIOGRAPHY
       ...MAGNETOCARDIOGRAPHY
       ...PHONOCARDIOGRAPHY
       ....ECHOCARDIOGRAPHY
       ...SEISMOCARDIOGRAPHY
       ...VECTORCARDIOGRAPHY
       ..ECHOENCEPHALOGRAPHY
       ..ELECTROENCEPHALOGRAPHY
       ..ELECTROMYOGRAPHY
       ..ELECTRONYSTAGMOGRAPHY
       ..ELECTRORETINOGRAPHY
       ..PLETHYSMOGRAPHY
       ...ELECTROPLETHYSMOGRAPHY
       ..RADIOCARDIOGRAPHY
  RT   BIOINSTRUMENTATION
     % BIOLOGY
       BIOMEDICAL DATA
       BONE MINERAL CONTENT
     % ENGINEERING
       ORBITING FROG OTOLITH
       PUPILLOMETRY
       STATISTICAL ANALYSIS
     % STATISTICS

BIONICS
  0404 0503 1002
  UF   BIOLOGICAL MODELS
       BIOSIMULATION
  RT   ARTIFICIAL INTELLIGENCE
       AUTOMATA THEORY
       BIOCONTROL SYSTEMS
       BIOENGINEERING
       BIOINSTRUMENTATION
       BIOLOGICAL MODELS (MATHEMATICS)
     % BIOLOGY
       CONTROL SYSTEMS DESIGN
       CYBERNETICS
       HUMAN FACTORS ENGINEERING
       MAN MACHINE SYSTEMS
       NEURISTORS
       RHEOELECTRICAL SIMULATION
       ROBOTS
       SIMULATION
       SYNCODERS
       SYSTEMS ENGINEERING

BIOPAKS
  0504 0507 3104
  GS   SUPPORT SYSTEMS
       .LIFE SUPPORT SYSTEMS
       .#BIOPAKS
  RT   BIOENGINEERING
       BIOSATELLITES
     % CONTAINERS
       ENCLOSURES
       PORTABLE LIFE SUPPORT SYSTEMS
       PRESERVING

BIOPHYSICS
  0404 0411 2311
  GS  #BIOPHYSICS
       .HEALTH PHYSICS
       ..PUBLIC HEALTH
  RT   BIODYNAMICS
       BIOENGINEERING
     % BIOLOGY
       BIOMAGNETISM
     % PHYSICS
     % SCIENCE

BIOPOLYMER DENATURATION
  0403 0406 1808 1810
  UF   DENATURATION (BIOPOLYMERS)
       NUCLEIC ACID DENATURATION
       PROTEIN DENATURATION
  RT   BIOPOLYMERS
       MOLECULAR STRUCTURE
       NUCLEIC ACIDS
       POLYMER CHEMISTRY
       PROTEINS

BIOPOLYMERS
  0403 0406 1808 1810
  GS  #BIOPOLYMERS
       .NUCLEIC ACIDS
       ..DEOXYRIBONUCLEIC ACID
       ..RIBONUCLEIC ACIDS
       .PROTEINS
       ..ALBUMINS
       ..ASPARTATES
       ..CALMODULIN
       ..ELASTIN
       ..ENZYMES
       ...ALDOLASE
       ...AMIDASE
       ...CARBONIC ANHYDRASE
       ...CATALASE
       ...CHOLINESTERASE
       ...CYTOCHROMES
       ...HEXOKINASE
       ...LYSOZYME
       ...NUCLEASE
       ...OXIDASE
       ...PAPAIN
       ...PEPSIN
       ...PROTEASE
       ...THROMBIN
       ...TRYPSIN
       ..FIBRIN
       ..GLOBULINS
       ...FIBRINOGEN
       ...GAMMA GLOBULIN
       ..HEMOGLOBIN
       ...CARBOXYHEMOGLOBIN
       ...OXYHEMOGLOBIN
       ..KERATINS
       ..LIPOPROTEINS
       ..MELANIN
       ..MYOGLOBIN
       ..PROTEINOIDS
       ..PROTHROMBIN
       ..PROTOPROTEINS
  RT   BIOPOLYMER DENATURATION
       NUCLEOTIDES
     % POLYMERS
       POLYNUCLEOTIDES
       POLYPEPTIDES

BIOPROCESSING
  0602
  RT   AEROSPACE ENVIRONMENTS
       BIOCONVERSION
       BIOTECHNOLOGY
       ELECTROPHORESIS
       MICROGRAVITY
     % MICROGRAVITY APPLICATIONS
       PHARMACOLOGY
       SPACE PROCESSING
       SPACEBORNE EXPERIMENTS
       WEIGHTLESSNESS

BIOREACTORS
```

```
  0403
  RT % BIOLOGY
       BIOMASS ENERGY PRODUCTION
       BIOTECHNOLOGY

BIOREGENERATION
  USE  REGENERATION (PHYSIOLOGY)

BIOREGENERATIVE LIFE SUPPORT SYSTEMS
  USE  CLOSED ECOLOGICAL SYSTEMS

BIORHYTHMS
  USE  RHYTHM (BIOLOGY)

BIOS PROJECT
  3409
  GS   PROGRAMS
       .PROJECTS
       .#BIOS PROJECT

BIOSATELLITE 1
  0404 3107
  GS   ARTIFICIAL SATELLITES
       .BIOSATELLITES
       .#BIOSATELLITE 1
  RT   BIOASTRONAUTICS

BIOSATELLITE 2
  0404 3107
  GS   ARTIFICIAL SATELLITES
       .BIOSATELLITES
       .#BIOSATELLITE 2
  RT   BIOASTRONAUTICS

BIOSATELLITE 3
  0404 3107
  GS   ARTIFICIAL SATELLITES
       .BIOSATELLITES
       .#BIOSATELLITE 3
  RT % ASTRONAUTICS
       BIOASTRONAUTICS

BIOSATELLITES
  3107 0404
  SN   (EXCLUDES MANNED SPACECRAFT)
  GS   ARTIFICIAL SATELLITES
       #BIOSATELLITES
       ..BIOSATELLITE 1
       ..BIOSATELLITE 2
       ..BIOSATELLITE 3
       ..ORBITING FROG OTOLITH
       ..SPUTNIK 2 SATELLITE
  RT   AEROSPACE ENVIRONMENTS
     % BIOLOGY
       BIOPAKS
       ENVIRONMENTAL CONTROL
       EXTRATERRESTRIAL LIFE
       LIFE DETECTORS
       LIFE SUPPORT SYSTEMS
       MANNED SPACECRAFT
       SPACE CAPSULES
     % SPACECRAFT

BIOSENSORS
  USE  BIOINSTRUMENTATION

BIOSIMULATION
  USE  BIONICS

BIOSPHERE
  1301 1308 2003
  RT % BIOLOGY
       CHEMOSPHERE
       EARTH HYDROSPHERE
       FREE ATMOSPHERE
       GAIA HYPOTHESIS
       HOMOSPHERE
       INTERNATIONAL GEOSPHERE-BIOSPHERE
       PROGRAM
       LOWER ATMOSPHERE

BIOSYNTHESIS
  0403 0404
  RT % BIOLOGY
       CHEMICAL REACTIONS
       GENETIC ENGINEERING
       METABOLITES
       PROSTAGLANDINS
     % SYNTHESIS
       SYNTHETIC FOOD

BIOT METHOD
  1902
  RT   CALCULUS OF VARIATIONS
     % METHODOLOGY

BIOT NUMBER
  1902
  GS   RATIOS
       .DIMENSIONLESS NUMBERS
       .#BIOT NUMBER
  RT   HEAT TRANSFER
     % NUMBERS

BIOTECHNOLOGY
  0404 3404
  GS   TECHNOLOGIES
       #BIOTECHNOLOGY
  RT   ARTIFICIAL CARDIAC PACEMAKER
       ARTIFICIAL HEART VALVES
     % BIOLOGY
       BIOPROCESSING
       BIOREACTORS
       BLOOD PUMPS
       HEART IMPLANTATION
       MAN MACHINE SYSTEMS

BIOTELEMETRY
  0501 0708
  UF   PHYSIOLOGICAL TELEMETRY
  GS   BIOENGINEERING
       .BIOINSTRUMENTATION
       .#BIOTELEMETRY
       TELECOMMUNICATION
       .TELEMETRY
       .#BIOTELEMETRY
       TRANSMISSION
       .SIGNAL TRANSMISSION
       ..TELEMETRY
       ..#BIOTELEMETRY
  RT % BIOLOGY
       COMMUNICATION EQUIPMENT
     % ENGINEERING
       ORBITING FROG OTOLITH
       PNEUMOGRAPHY
       WILDLIFE RADIOLOCATION

BIOTIN
  0403 0404 1808
  UF   VITAMIN B COMPLEX
  GS   ORGANIC COMPOUNDS
       .CYCLIC COMPOUNDS
       ..HETEROCYCLIC COMPOUNDS
       ..#BIOTIN
       VITAMINS
       #BIOTIN
  RT   DRUGS

BIOTITE
  1806
  UF   KIMBERLITE
  GS   MINERALS
       .MICA
       .#BIOTITE

BIPHASE SHIFT KEYING
  USE  BINARY PHASE SHIFT KEYING

BIPLANES
  0101 0104
  RT % AIRCRAFT
       DUAL WING CONFIGURATIONS
       LIGHT AIRCRAFT
       MONOPLANES
       TANDEM WING AIRCRAFT
```

```
        UTILITY AIRCRAFT

BIPOLAR TRANSISTORS
  0906 1002 2602
  GS    ELECTRONIC EQUIPMENT
        .SOLID STATE DEVICES
        ..SEMICONDUCTOR DEVICES
        ...TRANSISTORS
        ...#BIPOLAR TRANSISTORS
  RT    BIPOLARITY
        CARRIER INJECTION
        EPITAXY
        MAJORITY CARRIERS
        MINORITY CARRIERS
        N-P-N JUNCTIONS
        SEMICONDUCTORS (MATERIALS)

BIPOLARITY
  1002
  RT    BIPOLAR TRANSISTORS
     %  POLARIZATION

BIPROPELLANTS
  USE   LIQUID ROCKET PROPELLANTS

BIRD-AIRCRAFT COLLISIONS
  0203 0502 0506 0508
  GS    ACCIDENTS
        #BIRD-AIRCRAFT COLLISIONS
        AIRCRAFT ACCIDENTS
        #BIRD-AIRCRAFT COLLISIONS
        COLLISIONS
        .MIDAIR COLLISIONS
        .#BIRD-AIRCRAFT COLLISIONS
  RT %  AIRCRAFT
        AIRCRAFT HAZARDS
        BIRDS
        FLIGHT HAZARDS

BIRDS
  0402
  GS    ANIMALS
        .VERTEBRATES
        .#BIRDS
        ...CHICKENS
        ...PIGEONS
        ...TURKEYS
        ...WATERFOWL
  RT    AIRCRAFT HAZARDS
        BIRD-AIRCRAFT COLLISIONS
        EARTH RESOURCES
        ENDANGERED SPECIES
        FLIGHT HAZARDS
        HOMEOTHERMS
        PLUMAGE
        WILDLIFE

BIREFRINGENCE
  0710 2306 2310 2402 2601
  UF    POCKELS EFFECT
  GS    ELECTROMAGNETIC PROPERTIES
        .OPTICAL PROPERTIES
        .#BIREFRINGENCE
        ...KERR ELECTROOPTICAL EFFECT
        REFRACTION
        #BIREFRINGENCE
        ..KERR ELECTROOPTICAL EFFECT
  RT    ANISOTROPIC MEDIA
        ANISOTROPY
        BIREFRINGENT COATINGS
        BIREFRINGENT FILTERS
        CALCITE
        ELECTRO-OPTICS
        MOIRE EFFECTS
        NONLINEAR OPTICS
        PHOTOELASTICITY
        POLARIZATION (WAVES)
        REFLECTANCE
        REFRACTIVITY
        TEMPERATURE INVERSIONS
        VOIGT EFFECT

BIREFRINGENT COATINGS
  1802 1809 1810
  GS    COATINGS
        #BIREFRINGENT COATINGS
  RT    ANISOTROPIC MEDIA
        BIREFRINGENCE
        BIREFRINGENT FILTERS
        REFRACTIVITY

BIREFRINGENT FILTERS
  1412 1601 2310
  GS    ELECTROMAGNETIC WAVE FILTERS
        .OPTICAL FILTERS
        .#BIREFRINGENT FILTERS
  RT    BIREFRINGENCE
        BIREFRINGENT COATINGS
     %  FILTERS
        OPTICAL PROPERTIES
        REFRACTIVITY

BIRKELAND CURRENTS
  1302 2003 2502
  GS    ELECTRIC CURRENT
        .FIELD ALIGNED CURRENTS
        .#BIRKELAND CURRENTS
        .IONOSPHERIC CURRENTS
        .#BIRKELAND CURRENTS
        ELECTRICITY
        .ATMOSPHERIC ELECTRICITY
        ..IONOSPHERIC CURRENTS
        ..#BIRKELAND CURRENTS
  RT    AURORAL ELECTROJETS
        AURORAL ZONES
        ELECTROJETS
        GEOMAGNETISM
        IONOSPHERIC DISTURBANCES
        MAGNETIC DISTURBANCES
        MAGNETIC STORMS

BIRTH
  0404 0405
  RT    FERTILIZATION
        FETUSES
        PREGNANCY
        REPRODUCTION (BIOLOGY)
        REPRODUCTIVE SYSTEMS

BISMALEIMIDE
  1809 1810
  GS    NITROGEN COMPOUNDS
        .AMIDES
        ..POLYIMIDES
        ..#BISMALEIMIDE
        .IMIDES
        .#BISMALEIMIDE
  RT    MATRIX MATERIALS
        POLYIMIDE RESINS
        POLYMER MATRIX COMPOSITES
        RESIN MATRIX COMPOSITES
        RESINS

BISMUTH
  0603 1703
  GS    CHEMICAL ELEMENTS
        #BISMUTH
        ..BISMUTH ISOTOPES
        METALS
        #BISMUTH
        ..BISMUTH ISOTOPES

BISMUTH ALLOYS
  1701 1704
  GS    ALLOYS
        #BISMUTH ALLOYS
  RT    ANTIMONY ALLOYS
        EUTECTIC ALLOYS
        MAGNESIUM ALLOYS
        TIN ALLOYS

BISMUTH COMPOUNDS
  0603 1804
  GS   #BISMUTH COMPOUNDS
        .BISMUTH OXIDES
```

```
        .BISMUTH SULFIDES
        .BISMUTH TELLURIDES
  RT % CHEMICAL COMPOUNDS
     % GROUP 5A COMPOUNDS
     % METAL COMPOUNDS

BISMUTH ISOTOPES
  1703 2406
  UF   BISMUTH 205
  GS   CHEMICAL ELEMENTS
       .BISMUTH
       .#BISMUTH ISOTOPES
       .NUCLIDES
       ..ISOTOPES
       ..#BISMUTH ISOTOPES
       METALS
       .BISMUTH
       .#BISMUTH ISOTOPES

BISMUTH OXIDES
  0603 1804
  GS   BISMUTH COMPOUNDS
       #BISMUTH OXIDES
       CHALCOGENIDES
       .OXIDES
       ..METAL OXIDES
       ..#BISMUTH OXIDES
  RT   BSCCO SUPERCONDUCTORS

BISMUTH SULFIDES
  0603 1804
  GS   BISMUTH COMPOUNDS
       #BISMUTH SULFIDES
       CHALCOGENIDES
       .SULFIDES
       ..INORGANIC SULFIDES
       ..#BISMUTH SULFIDES
       SULFUR COMPOUNDS
       .SULFIDES
       ..INORGANIC SULFIDES
       ..#BISMUTH SULFIDES

BISMUTH TELLURIDES
  0603 1804
  GS   BISMUTH COMPOUNDS
       #BISMUTH TELLURIDES
       CHALCOGENIDES
       .TELLURIDES
       .#BISMUTH TELLURIDES
       TELLURIUM COMPOUNDS
       .TELLURIDES
       .#BISMUTH TELLURIDES

BISMUTH 205
  USE  BISMUTH ISOTOPES

BISPHENOLS
  1808
  GS   HYDROXYL COMPOUNDS
       .ALCOHOLS
       ..PHENOLS
       ..#BISPHENOLS

BISTABLE AMPLIFIERS
  USE  FLIP-FLOPS

BISTABLE CIRCUITS
  0801 0902 1001 1002 1201
  GS   CIRCUITS
       #BISTABLE CIRCUITS
       ..FLIP-FLOPS
  RT   DIGITAL TECHNIQUES
       MULTIVIBRATORS
       TRIGGER CIRCUITS

BISTATIC RADAR
  USE  MULTISTATIC RADAR

BISTATIC REFLECTIVITY
  0701 0702 0710 2301 2310
  RT   BRIGHTNESS
       INCIDENT RADIATION
       REFLECTANCE
       SCATTERING

BIT ERROR RATE
  0704
  GS   RATES (PER TIME)
       #BIT ERROR RATE
  RT   BINARY CODES
       BINARY DATA
       BINARY DIGITS
       BIT SYNCHRONIZATION
       BITS
       ERROR ANALYSIS
       ERROR CORRECTING CODES
       ERROR DETECTION CODES
       ERROR SIGNALS
       PULSE COMMUNICATION
       REED-SOLOMON CODES
       SIGNAL TO NOISE RATIOS
       TRANSMISSION EFFICIENCY
       TRANSMISSION RATE (COMMUNICATIONS)

BIT SYNCHRONIZATION
  0802
  GS   SYNCHRONISM
       #BIT SYNCHRONIZATION
  RT   BIT ERROR RATE
       FREQUENCY SYNCHRONIZATION

BITERNARY CODE
  0705 0710 0902
  RT % CODES
       DIFFERENTIAL PULSE CODE MODULATION
       DIGITAL SYSTEMS
       PULSE CODE MODULATION

BITS
  0703 0801 0802 0803
  RT   BINARY DIGITS
       BIT ERROR RATE
       DRILL BITS

BITUMENS
  1805 1806
  RT   CARBON
       COAL
       COKE
     % CONSTRUCTION MATERIALS
       LIGNITE
     % MATERIALS
       SOLVENT REFINED COAL

BIVARIATE ANALYSIS
  1905
  GS   STATISTICAL ANALYSIS
       .VARIANCE (STATISTICS)
       ..MULTIVARIATE STATISTICAL ANALYSIS
       ..#BIVARIATE ANALYSIS
  RT   CORRELATION

BL LACERTAE OBJECTS
  3001
  GS   CELESTIAL BODIES
       .BLAZARS
       .#BL LACERTAE OBJECTS
  RT   EXTRAGALACTIC RADIO SOURCES
       GALAXIES
       IRREGULAR GALAXIES
       LUMINOUS INTENSITY
       POLARIZATION (WAVES)
       RADIANT FLUX DENSITY
       RADIO SOURCES (ASTRONOMY)

BLACK AND WHITE PHOTOGRAPHY
  1407 3009 3501
  GS   IMAGERY
       #BLACK AND WHITE PHOTOGRAPHY
       PHOTOGRAPHY
       #BLACK AND WHITE PHOTOGRAPHY
  RT   ALL SKY PHOTOGRAPHY
       ASTRONOMICAL PHOTOGRAPHY
       AUTORADIOGRAPHY
       CHRONOPHOTOGRAPHY
```

CINEMATOGRAPHY
CLOUD PHOTOGRAPHY
COLOR PHOTOGRAPHY
ELECTRO-OPTICAL PHOTOGRAPHY
ELECTRON PHOTOGRAPHY
FRAME PHOTOGRAPHY
INFRARED PHOTOGRAPHY
LUNAR PHOTOGRAPHY
PHOTOMICROGRAPHY
PHOTORECONNAISSANCE
RADAR PHOTOGRAPHY
ROCKET-BORNE PHOTOGRAPHY
SATELLITE-BORNE PHOTOGRAPHY
SCHLIEREN PHOTOGRAPHY
SHADOWGRAPH PHOTOGRAPHY
SPACEBORNE PHOTOGRAPHY
SPECTROHELIOGRAPHS
SPECTROPHOTOGRAPHY
STEREOPHOTOGRAPHY
ULTRAVIOLET PHOTOMETRY
UROGRAPHY

BLACK ARROW LAUNCH VEHICLE
USE BLACK KNIGHT ROCKET VEHICLE

BLACK BODY RADIATION
2401 2402 2903
GS ELECTROMAGNETIC RADIATION
.THERMAL RADIATION
.#BLACK BODY RADIATION
RT BRIGHTNESS DISTRIBUTION
BRIGHTNESS TEMPERATURE
EMISSIVITY
HEAT RADIATORS
HOHLRAUMS
INFRARED RADIATION
KIRCHHOFF LAW OF RADIATION
LIGHT (VISIBLE RADIATION)
NONGRAY ATMOSPHERES
NONGRAY GAS
PLANCKS CONSTANT
RADIANCE
% RADIATION
SUNLIGHT
ULTRAVIOLET RADIATION

BLACK BRANT SOUNDING ROCKETS
3101 3108
GS ROCKET VEHICLES
.SINGLE STAGE ROCKET VEHICLES
.#BLACK BRANT SOUNDING ROCKETS
...BLACK BRANT 1 SOUNDING ROCKET
...BLACK BRANT 2 SOUNDING ROCKET
...BLACK BRANT 3 SOUNDING ROCKET
...BLACK BRANT 4 SOUNDING ROCKET
...BLACK BRANT 5 SOUNDING ROCKET
.SOUNDING ROCKETS
.#BLACK BRANT SOUNDING ROCKETS
...BLACK BRANT 1 SOUNDING ROCKET
...BLACK BRANT 2 SOUNDING ROCKET
...BLACK BRANT 3 SOUNDING ROCKET
...BLACK BRANT 4 SOUNDING ROCKET
...BLACK BRANT 5 SOUNDING ROCKET
RT SOLID PROPELLANT ROCKET ENGINES

BLACK BRANT 1 SOUNDING ROCKET
3101 3108 3409
GS ROCKET VEHICLES
.SINGLE STAGE ROCKET VEHICLES
..BLACK BRANT SOUNDING ROCKETS
..#BLACK BRANT 1 SOUNDING ROCKET
.SOUNDING ROCKETS
..BLACK BRANT SOUNDING ROCKETS
..#BLACK BRANT 1 SOUNDING ROCKET
RT SOLID PROPELLANT ROCKET ENGINES

BLACK BRANT 2 SOUNDING ROCKET
3101 3108
GS ROCKET VEHICLES
.SINGLE STAGE ROCKET VEHICLES
..BLACK BRANT SOUNDING ROCKETS
..#BLACK BRANT 2 SOUNDING ROCKET
.SOUNDING ROCKETS
..BLACK BRANT SOUNDING ROCKETS
..#BLACK BRANT 2 SOUNDING ROCKET
RT SOLID PROPELLANT ROCKET ENGINES

BLACK BRANT 3 SOUNDING ROCKET
3101 3108
GS ROCKET VEHICLES
.SINGLE STAGE ROCKET VEHICLES
..BLACK BRANT SOUNDING ROCKETS
..#BLACK BRANT 3 SOUNDING ROCKET
.SOUNDING ROCKETS
..BLACK BRANT SOUNDING ROCKETS
..#BLACK BRANT 3 SOUNDING ROCKET
RT SOLID PROPELLANT ROCKET ENGINES

BLACK BRANT 4 SOUNDING ROCKET
3101 3108
GS ROCKET VEHICLES
.SINGLE STAGE ROCKET VEHICLES
..BLACK BRANT SOUNDING ROCKETS
..#BLACK BRANT 4 SOUNDING ROCKET
.SOUNDING ROCKETS
..BLACK BRANT SOUNDING ROCKETS
..#BLACK BRANT 4 SOUNDING ROCKET
RT SOLID PROPELLANT ROCKET ENGINES

BLACK BRANT 5 SOUNDING ROCKET
3101 3108 3409
GS ROCKET VEHICLES
.SINGLE STAGE ROCKET VEHICLES
..BLACK BRANT SOUNDING ROCKETS
..#BLACK BRANT 5 SOUNDING ROCKET
.SOUNDING ROCKETS
..BLACK BRANT SOUNDING ROCKETS
..#BLACK BRANT 5 SOUNDING ROCKET
RT SOLID PROPELLANT ROCKET ENGINES

BLACK HAWK ASSAULT HELICOPTER
USE H-60 HELICOPTER

BLACK HILLS (SD-WY)
1305 1306
GS LANDFORMS
.MOUNTAINS
.#BLACK HILLS (SD-WY)
RT SOUTH DAKOTA
WYOMING

BLACK HOLES (ASTRONOMY)
3001 3009
GS CELESTIAL BODIES
.STARS
.#BLACK HOLES (ASTRONOMY)
RT ACCRETION DISKS
DEGENERATE MATTER
EVENT HORIZON
GRAVITATIONAL COLLAPSE
GRAVITATIONAL LENSES
MASSIVE STARS
NAKED SINGULARITIES
REISSNER-NORDSTROM SOLUTION
SUPERNOVA REMNANTS
WHITE HOLES (ASTRONOMY)
X RAY BINARIES

BLACK KNIGHT ROCKET VEHICLE
3103 3106
UF BLACK ARROW LAUNCH VEHICLE
GS ROCKET VEHICLES
.MULTISTAGE ROCKET VEHICLES
.#BLACK KNIGHT ROCKET VEHICLE
.SINGLE STAGE ROCKET VEHICLES
.#BLACK KNIGHT ROCKET VEHICLE
RT LIQUID PROPELLANT ROCKET ENGINES

BLACK SEA
1305
GS SEAS
#BLACK SEA
RT BULGARIA
ROMANIA
TURKEY

```
      U.S.S.R.

BLACKBIRD AIRCRAFT
  USE  SR-71 AIRCRAFT

BLACKBURN B-103 AIRCRAFT
  USE  BUCCANEER AIRCRAFT

% BLACKOUT
  0702 0705
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   BLACKOUT (PHYSIOLOGY)
       BLACKOUT (PROPAGATION)

BLACKOUT (PHYSIOLOGY)
  0404 0408 0502
  GS   SYNCOPE
       #BLACKOUT (PHYSIOLOGY)
       ..BLACKOUT PREVENTION
       UNCONSCIOUSNESS
       #BLACKOUT (PHYSIOLOGY)
       ..BLACKOUT PREVENTION
  RT   ACCELERATION TOLERANCE
     % BLACKOUT
     % COMA

BLACKOUT (PROPAGATION)
  0702 0705
  UF   IONOSPHERIC BLACKOUT
  GS   ELECTROMAGNETIC INTERFERENCE
       .RADIO FREQUENCY INTERFERENCE
       .#BLACKOUT (PROPAGATION)
       ...POLAR RADIO BLACKOUT
  RT   ATMOSPHERICS
     % BLACKOUT
       ELECTROMAGNETIC FIELDS
       ELECTROMAGNETIC NOISE
       IONOSPHERIC DISTURBANCES
       PLASMA SHEATHS
       PLASMAS (PHYSICS)
       RADIATION EFFECTS
       RADIO COMMUNICATION
       REENTRY COMMUNICATION
       REENTRY EFFECTS
       SOLAR ACTIVITY EFFECTS
       X RAYS

BLACKOUT PREVENTION
  0401 0502
  GS   HUMAN PERFORMANCE
       .ASTRONAUT PERFORMANCE
       .#BLACKOUT PREVENTION
       SYNCOPE
       .BLACKOUT (PHYSIOLOGY)
       .#BLACKOUT PREVENTION
       UNCONSCIOUSNESS
       .BLACKOUT (PHYSIOLOGY)
       .#BLACKOUT PREVENTION
  RT   ACCELERATION TOLERANCE
     % COMA
       WEIGHTLESSNESS

BLADDER
  0404
  GS   ANATOMY
       .GENITOURINARY SYSTEM
       .#BLADDER
  RT   PROSTATE GLAND
       UROLOGY

BLADDERS (MECHANICS)
  USE  DIAPHRAGMS (MECHANICS)

BLADE SLAP
  USE  BLADE-VORTEX INTERACTION

BLADE SLAP NOISE
  0104
  UF   HELICOPTER IMPULSIVE NOISE
  GS   ELASTIC WAVES
       .SOUND WAVES
       ..NOISE (SOUND)
       ...AERODYNAMIC NOISE
       ...#BLADE SLAP NOISE
       ...AIRCRAFT NOISE
       ...#BLADE SLAP NOISE
  RT   BLADE TIPS
       BLADE-VORTEX INTERACTION
       HELICOPTERS
       PROPELLER NOISE

BLADE TIPS
  0104
  GS   TIPS
       #BLADE TIPS
  RT   AIRFOIL PROFILES
       BLADE SLAP NOISE
       BLADE-VORTEX INTERACTION
       PROPELLER BLADES
       ROTARY WINGS
       ROTOR BLADES (TURBOMACHINERY)
       WING TIPS

BLADE-VORTEX INTERACTION
  0104 3407
  UF   BLADE SLAP
       VORTEX-BLADE INTERACTION
  RT   AIRFOILS
       BLADE SLAP NOISE
       BLADE TIPS
       HELICOPTERS
     % INTERACTIONS
       ROTARY WINGS
       VORTICES
       WING TIP VORTICES

% BLADES
  0104 0409 0504 1504 2805
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   AIRFOILS
       BLADES (CUTTERS)
       COMPRESSOR BLADES
       FINS
       HYDROFOILS
       PROPELLER BLADES
       RIMS
       ROTARY WINGS
       ROTOR BLADES (TURBOMACHINERY)
       STATOR BLADES
       TURBINE BLADES
       TURBOMACHINE BLADES
       VANES

BLADES (CUTTERS)
  1502 1504
  GS   CUTTERS
       #BLADES (CUTTERS)
       ..RAZOR BLADES
  RT % BLADES

% BLANKETS
  1002 1108 1504 3404
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   BEDDING EQUIPMENT
       BLANKETS (FISSION REACTORS)
       BLANKETS (FUSION REACTORS)
       CLOUD COVER
       CONTROLLED ATMOSPHERES
       SOLAR BLANKETS

BLANKETS (FISSION REACTORS)
  2405
  RT % BLANKETS
     % DAMPERS
       FISSION
       REACTOR DESIGN
       REACTOR MATERIALS

BLANKETS (FUSION REACTORS)
```

2203
RT % BLANKETS
FUSION REACTORS
LIMITERS (FUSION REACTORS)
MODERATORS
REACTOR DESIGN
REACTOR MATERIALS

% BLANKING
0202
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT BLANKING (CUTTING)
FORMING TECHNIQUES
STAMPING

BLANKING (CUTTING)
1504 1507
GS CUTTING
#BLANKING (CUTTING)
FORMING TECHNIQUES
.PRESSING (FORMING)
.#BLANKING (CUTTING)
RT % BLANKING
LASER CUTTING
SHEARING
STAMPING

BLANKS
1504 1703 3204
RT AMMUNITION
BRIQUETS
FORMS (PAPER)
PREFORMS

BLASIUS EQUATION
1202 1902
GS ANALYSIS (MATHEMATICS)
.REAL VARIABLES
..DIFFERENTIAL EQUATIONS
..#BLASIUS EQUATION
FLOW EQUATIONS
.BOUNDARY LAYER EQUATIONS
.#BLASIUS EQUATION
RT BOUNDARY LAYER FLOW
% EQUATIONS
FALKNER-SKAN EQUATION
FLAT PLATES
PRANDTL-MEYER EXPANSION

BLASIUS FLOW
1202
GS FLUID FLOW
.LAMINAR FLOW
.#BLASIUS FLOW
.UNIFORM FLOW
.#BLASIUS FLOW
RT FLAT PLATES
HEAD FLOW
TOLLMIEN-SCHLICHTING WAVES
TURBULENT FLOW
TWO DIMENSIONAL FLOW
WEDGE FLOW

BLAST DEFLECTORS
2806
GS DEFLECTORS
#BLAST DEFLECTORS
RT BAFFLES
DIVERTERS
FLAME DEFLECTORS
SHIELDING

BLAST LOADS
0101 3203
GS AERODYNAMIC FORCES
.AERODYNAMIC LOADS
.#BLAST LOADS
LOADS (FORCES)
.DYNAMIC LOADS
..AERODYNAMIC LOADS
..#BLAST LOADS
..TRANSIENT LOADS
...SHOCK LOADS
...#BLAST LOADS
RT AERIAL EXPLOSIONS
DYNAMIC PRESSURE
EXPLOSIONS
GUST LOADS
IMPACT LOADS
OVERPRESSURE
PRESSURE
PRESSURE PULSES
RIEMANN WAVES
SHOCK WAVES
WAVE RESISTANCE

BLASTOFF
USE ROCKET LAUNCHING

% BLASTS
2808 3102 3201 3302 3401
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT EXHAUST GASES
EXPLOSIONS
JET BLAST EFFECTS
SHOCK WAVES
SOUND WAVES

BLATTIDAE
USE COCKROACHES

BLAZARS
3001 3002
GS CELESTIAL BODIES
#BLAZARS
..BL LACERTAE OBJECTS
RT ACCRETION DISKS
ACTIVE GALACTIC NUCLEI
ACTIVE GALAXIES
DISK GALAXIES
EXTRAGALACTIC RADIO SOURCES
INFRARED ASTRONOMY
QUASARS
RADIO GALAXIES
RADIO SOURCES (ASTRONOMY)
SEYFERT GALAXIES

BLEACHING
0603 1504 1811
RT CHLORINATION
CLEANING
FADING

BLEED-OFF
USE PRESSURE REDUCTION

% BLEEDING
0101 0201 0303 0401 1103 1202 1502 3407
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT BOUNDARY LAYER CONTROL
FLUID MECHANICS
HEMORRHAGES
PRESSURE REDUCTION

BLENDS
USE MIXTURES

BLIGHT
0409
GS PLANT DISEASES
#BLIGHT
RT ALFALFA
BACTERIA
BARLEY
BOTANY
CITRUS TREES
CORN
CROP GROWTH

CROP VIGOR
FUNGI
ORCHARDS
PARASITES
PARASITIC DISEASES
PLANTS (BOTANY)
RHIZOPUS
RUST FUNGI
VINEYARDS

BLIND LANDING
0203 1402
GS LANDING
#BLIND LANDING
RT AIRCRAFT LANDING
APPROACH INDICATORS
AUTOMATIC LANDING CONTROL
INSTRUMENT APPROACH
INSTRUMENT FLIGHT RULES
INSTRUMENT LANDING SYSTEMS
LANDING INSTRUMENTS
NIGHT FLIGHTS (AIRCRAFT)

BLINDNESS
0404 0408
GS #BLINDNESS
.FLASH BLINDNESS
RT BRAILLE
DISABILITIES
EYE DISEASES
OPTOMETRY
VISION

BLINDS
1103
RT SHIELDING
% SHUTTERS

BLINKING
2306
RT ASTRONOMICAL PHOTOMETRY
DISPLAY DEVICES
EYE MOVEMENTS
VISUAL PERCEPTION

% BLISTERS
0405
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT INFECTIOUS DISEASES
INJURIES
MUCOCELES
PROTUBERANCES
RUPTURING
SKIN (ANATOMY)
VIRUSES

BLOCH BAND
2305 2307
GS ENERGY BANDS
#BLOCH BAND
RT % BANDS
SUPERCONDUCTIVITY

BLOCK COPOLYMERS
1810
GS COPOLYMERS
#BLOCK COPOLYMERS
RT COPOLYMERIZATION
POLYBUTADIENE
% POLYMERS
POLYSTYRENE

BLOCK DIAGRAMS
1902 3406
GS DIAGRAMS
#BLOCK DIAGRAMS
RT CHARTS
COMPUTER PROGRAMMING
COMPUTER PROGRAMS
FLOW CHARTS
RESEARCH MANAGEMENT
SYSTEMS ANALYSIS

BLOCK ISLAND SOUND (RI)
1305 1310
GS SOUNDS (TOPOGRAPHIC FEATURES)
#BLOCK ISLAND SOUND (RI)
RT ATLANTIC OCEAN
RHODE ISLAND

BLOCKING
0303 0903 1002
UF OBSTRUCTING
RT % ARRESTERS
CLOSING
CLOSURES
CONSTRAINTS
CONSTRICTIONS
CONTAINMENT
PLUGGING
PLUGS
PREVENTION
RETARDERS (DEVICES)
RETARDING
SEALING
SEALS (STOPPERS)
STOPPING

BLOCKS
0803
RT CUBES (MATHEMATICS)
PULLEYS
SLABS

BLOEDITE
0603
GS MINERALS
#BLOEDITE
RT MAGNESIUM SULFATES
SODIUM COMPOUNDS
SULFUR COMPOUNDS

BLOOD
0403
GS BODY FLUIDS
#BLOOD
..FIBRIN
..FIBRINOGEN
..THROMBIN
..THROMBOPLASTIN
RT ANEMIAS
BIOCOMPATIBILITY
BLOOD CELLS
BLOOD CIRCULATION
BLOOD COAGULATION
BLOOD FLOW
BLOOD GROUPS
BLOOD PLASMA
BLOOD PRESSURE
BLOOD PUMPS
BLOOD VESSELS
BLOOD VOLUME
BLOOD-BRAIN BARRIER
CAPILLARIES (ANATOMY)
CARBOXYHEMOGLOBIN TEST
CARDIOVASCULAR SYSTEM
COAGULATION
HEART
HEMATOCRIT
HEMATOPOIESIS
HEMOGLOBIN
HEMORRHAGES
HYPERCAPNIA
HYPOCAPNIA
OXIMETRY
RHESUS FACTOR
TRANSFUSION

BLOOD CELLS
0404 0405 0406
UF CORPUSCLES (BLOOD)
GS CELLS (BIOLOGY)
#BLOOD CELLS

..ERYTHROCYTES
...RETICULOCYTES
..HEMOCYTES
..LEUKOCYTES
...EOSINOPHILS
...LYMPHOCYTES
RT ANEMIAS
BLOOD
BLOOD PLASMA
HEMATOPOIESIS
HEMATOPOIETIC SYSTEM
HEMOGLOBIN

BLOOD CIRCULATION
0404 0408
GS CIRCULATION
#BLOOD CIRCULATION
..BRAIN CIRCULATION
..CORONARY CIRCULATION
..INTERCRANIAL CIRCULATION
..OCULAR CIRCULATION
..PERIPHERAL CIRCULATION
..PULMONARY CIRCULATION
RT ARTIFICIAL CARDIAC PACEMAKER
ARTIFICIAL HEART VALVES
BLOOD
BLOOD-BRAIN BARRIER
CARBOXYHEMOGLOBIN
CIRCULATORY SYSTEM
CYANOSIS
DIASTOLE
ELECTROPLETHYSMOGRAPHY
HEART FUNCTION
HEART IMPLANTATION
HEMATOCRIT
HEMODYNAMIC RESPONSES
HEMODYNAMICS
HYPERVOLEMIA
HYPOVOLEMIA
INTRAVASCULAR SYSTEM
ISCHEMIA
PHONOARTERIOGRAPHY
PHYSIOLOGY
RHEOENCEPHALOGRAPHY
RHEOMETERS
TOURNIQUETS

BLOOD COAGULATION
0403 0404 0408
GS COAGULATION
#BLOOD COAGULATION
RT BLOOD
CLOTTING
FIBRIN
HEMOSTATICS
MYOCARDIAL INFARCTION
PLATELETS
THROMBIN
THROMBOCYTES
THROMBOPLASTIN
THROMBOSIS

BLOOD FLOW
0404 0408
GS FLUID FLOW
#BLOOD FLOW
RT BLOOD
CAPILLARY FLOW
DIASTOLE
HEMATOCRIT
HEMOPERFUSION
SYSTOLE
TOURNIQUETS

BLOOD GROUPS
0404 0408
RT BLOOD
PLATELETS

BLOOD PLASMA
0403 0404
RT BLOOD
BLOOD CELLS
BODY FLUIDS
ELECTROLYTE METABOLISM
HEMATOCRIT

BLOOD PRESSURE
0404 0405 0408
GS PRESSURE
#BLOOD PRESSURE
..DIASTOLIC PRESSURE
..HYPERTENSION
..HYPOTENSION
..LOWER BODY NEGATIVE PRESSURE
..SYSTOLIC PRESSURE
RT BIOFEEDBACK
BLOOD
DIASTOLE
HEART FUNCTION
HEMODYNAMIC RESPONSES
HEMOPERFUSION
MANOMETERS
OPHTHALMODYNAMOMETRY
ORTHOSTATIC TOLERANCE
SPHYGMOGRAPHY
SYSTOLE
% TENSION

BLOOD PUMPS
0403
GS MEDICAL EQUIPMENT
#BLOOD PUMPS
PUMPS
#BLOOD PUMPS
RT ARTIFICIAL HEART VALVES
BIOTECHNOLOGY
BLOOD
CIRCULATORY SYSTEM
HEART
PULMONARY CIRCULATION

BLOOD VESSELS
0403 0405
GS ANATOMY
.CIRCULATORY SYSTEM
..CARDIOVASCULAR SYSTEM
..#BLOOD VESSELS
....ARTERIES
.....AORTA
....CAPILLARIES (ANATOMY)
.....GLOMERULUS
....VEINS
RT BIFURCATION (BIOLOGY)
BLOOD
CAROTID SINUS BODY
CAROTID SINUS REFLEX
CATHETERIZATION
EMBOLISMS
ENDOTHELIUM
FAT EMBOLISMS
VASOCONSTRICTION
VASODILATION
% VESSELS

BLOOD VOLUME
0403 0404
RT BLOOD
CARDIAC OUTPUT
CARDIOVASCULAR SYSTEM
CHRONIC CONDITIONS
CLINICAL MEDICINE
HEMATOCRIT
HEMATOPOIETIC SYSTEM
HEMODYNAMICS
HYPERVOLEMIA
HYPOVOLEMIA
STROKE VOLUME

BLOOD-BRAIN BARRIER
0404
RT % BARRIERS
BLOOD
BLOOD CIRCULATION
CENTRAL NERVOUS SYSTEM

```
      NEURONS

BLOWDOWN WIND TUNNELS
  1110
  GS   TEST FACILITIES
       .WIND TUNNELS
       .#BLOWDOWN WIND TUNNELS
  RT   HOTSHOT WIND TUNNELS
       HYPERSONIC WIND TUNNELS
       HYPERVELOCITY WIND TUNNELS
       LOW DENSITY RESEARCH
       LOW SPEED WIND TUNNELS
       SUBSONIC WIND TUNNELS
       SUPERSONIC WIND TUNNELS
       TRANSONIC WIND TUNNELS

BLOWERS
  1504
  RT   AIR CONDITIONING
       AIR CONDITIONING EQUIPMENT
       AIR DUCTS
       BLOWING
       CENTRIFUGAL COMPRESSORS
       COMPRESSORS
       COOLING SYSTEMS
       DUCTED FANS
       EXHAUST SYSTEMS
     % FANS
       IMPELLERS
       INJECTORS
       MATERIALS HANDLING
       MIXERS
     % NOZZLES
       REFRIGERATING MACHINERY
       SEALING
       SPRAYERS
       SUPERCHARGERS
       TURBOMACHINERY
       VENTILATION
       VENTILATION FANS
       VENTILATORS

BLOWING
  0101 3407
  GS  #BLOWING
       .SPANWISE BLOWING
       .UNDER SURFACE BLOWING
       .UPPER SURFACE BLOWING
  RT   AERATION
       AGITATION
       BLOWERS
       BOUNDARY LAYER CONTROL
       CIRCULATION
       CIRCULATION CONTROL AIRFOILS
       COMPRESSING
       ENTRAINMENT
       EXHAUSTING
       FORCED CONVECTION
       INJECTION
       MIXING
     % PUMPING
       SPRAYING
       WIND (METEOROLOGY)

BLOWN FLAPS
  USE  EXTERNALLY BLOWN FLAPS

BLOWOFF (COMBUSTION)
  USE  FLAMEOUT

BLOWOUTS
  0203
  RT   FATIGUE LIFE
       TIRES

BLUE GOOSE MISSILE
  3101
  GS   DECOYS
       #BLUE GOOSE MISSILE
       MISSILES
       .SURFACE TO AIR MISSILES
       .#BLUE GOOSE MISSILE
  RT   BOOSTER ROCKET ENGINES
       COUNTERMEASURES
       J-85 ENGINE
       SOLID PROPELLANT ROCKET ENGINES

BLUE GREEN ALGAE
  0404 0407 0409
  UF   CYANOPHYTA
  GS   PLANTS (BOTANY)
       .ALGAE
       .#BLUE GREEN ALGAE
       ...ANABAENA
       ...MICROCYSTIS
       ...NOSTOC
       .THERMOPHILIC PLANTS
       .#BLUE GREEN ALGAE
       ...NOSTOC

BLUE SCOUT ROCKET VEHICLE
  3106 3401
  GS   LAUNCH VEHICLES
       #BLUE SCOUT ROCKET VEHICLE
       ROCKET VEHICLES
       .MULTISTAGE ROCKET VEHICLES
       .#BLUE SCOUT ROCKET VEHICLE
  RT   ALGOL ENGINE
       SOLID PROPELLANT ROCKET ENGINES
       X-248 ENGINE
       X-254 ENGINE
       XM-33 ENGINE

BLUE STARS
  3001
  GS   CELESTIAL BODIES
       .STARS
       ..EARLY STARS
       ...HOT STARS
       ...#BLUE STARS
  RT   A STARS
       B STARS
       F STARS
       O STARS

BLUE STEEL MISSILE
  3101 3401
  GS   MISSILES
       #BLUE STEEL MISSILE
  RT   LIQUID PROPELLANT ROCKET ENGINES

BLUE STREAK LAUNCH VEHICLE
  3103 3409
  GS   LAUNCH VEHICLES
       #BLUE STREAK LAUNCH VEHICLE
       ROCKET VEHICLES
       #BLUE STREAK LAUNCH VEHICLE
  RT   ELDO LAUNCH VEHICLE
       LIQUID PROPELLANT ROCKET ENGINES

BLUE STREAK MISSILE
  3101 3409
  GS   MISSILES
       .BALLISTIC MISSILES
       ..INTERMEDIATE RANGE BALLISTIC
         MISSILES
       ..#BLUE STREAK MISSILE
       .SURFACE TO SURFACE MISSILES
       ..INTERMEDIATE RANGE BALLISTIC
         MISSILES
       ..#BLUE STREAK MISSILE
       ROCKET VEHICLES
       #BLUE STREAK MISSILE
  RT   LIQUID PROPELLANT ROCKET ENGINES

BLUEPRINTS
  3404 3406
  GS   DOCUMENTS
       .ENGINEERING DRAWINGS
       .#BLUEPRINTS
       DRAWINGS
       .ENGINEERING DRAWINGS
       .#BLUEPRINTS
  RT   LAYOUTS
       REPRODUCTION (COPYING)
```

```
BLUFF BODIES
  0102 3105
  RT   BLUNT BODIES
     % BODIES
       DUCTED BODIES
       FOREBODIES
       LIFTING BODIES
       REENTRY VEHICLES
       ROSHKO PREDICTION

BLUFFS (LANDFORMS)
  USE  CLIFFS

BLUNT BODIES
  0101 0102 1202 3105
  RT   AERODYNAMIC CONFIGURATIONS
       AERODYNAMICS
       AXISYMMETRIC BODIES
       BLUFF BODIES
     % BODIES
       DUCTED BODIES
       FOREBODIES
       MISSILE BODIES
       NOSE CONES
       STAGNATION POINT
       SYMMETRICAL BODIES

BLUNT LEADING EDGES
  0101
  GS   EDGES
       .LEADING EDGES
       .#BLUNT LEADING EDGES
  RT   AIRFOILS
       FOREBODIES
       TRAILING EDGES

BLUNT TRAILING EDGES
  0101
  GS   EDGES
       .TRAILING EDGES
       .#BLUNT TRAILING EDGES
  RT   AIRFOILS
       CONTROL SURFACES
       WINGS

BLURRING
  1407 2306 2310
  RT   ABERRATION
       RESOLUTION
       SPATIAL FILTERING

BMC
  USE  BONE MINERAL CONTENT

BMEWS
  USE  BALLISTIC MISSILE EARLY WARNING
       SYSTEM

BO-105 HELICOPTER
  0206
  GS   BOLKOW AIRCRAFT
       #BO-105 HELICOPTER
       PASSENGER AIRCRAFT
       #BO-105 HELICOPTER
       UTILITY AIRCRAFT
       #BO-105 HELICOPTER
       V/STOL AIRCRAFT
       .ROTARY WING AIRCRAFT
       ..HELICOPTERS
       ...MILITARY HELICOPTERS
       ...#BO-105 HELICOPTER

BOARDS (PAPER)
  1805 3404 3406 3409
  UF   FIBERBOARD
  RT % CONSTRUCTION MATERIALS
       PAPER (MATERIAL)
       PAPERS

BOATS
  2103 3202 3401
  GS   SURFACE VEHICLES
       #BOATS
       ..LIFEBOATS
       WATER VEHICLES
       #BOATS
       ..LIFEBOATS
  RT   AMPHIBIOUS VEHICLES
       HARBORS
       INFLATABLE STRUCTURES
       KEELS
     % MILITARY VEHICLES
       RESEARCH VEHICLES
       SHIPS
       UNDERWATER VEHICLES

BOATTAILS
  0102 2806 3202
  RT   AFTERBODIES
       SKIRTS
       TAIL ASSEMBLIES

BOD
  USE  BIOCHEMICAL OXYGEN DEMAND

% BODIES
  0103 0207 3101 3103 3105 3106 3107
  3110
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   AFTERBODIES
       AXISYMMETRIC BODIES
       BLUFF BODIES
       BLUNT BODIES
       BODIES OF REVOLUTION
       CELESTIAL BODIES
       CENTERBODIES
       DUCTED BODIES
       ELASTIC BODIES
       FINNED BODIES
       FLEXIBLE BODIES
       FOREIGN BODIES
       HERBIG-HARO OBJECTS
       HUMAN BODY
       LENTICULAR BODIES
       LIFTING BODIES
       MANEUVERABLE REENTRY BODIES
       MISSILE BODIES
       PLANFORMS
       PLASTIC BODIES
       PYRAMIDAL BODIES
       REENTRY VEHICLES
       ROTATING BODIES
       SLENDER BODIES
       SOLIDS
       STREAMLINED BODIES
       SYMMETRICAL BODIES
       THREE DIMENSIONAL BODIES
       TOWED BODIES
       TWO DIMENSIONAL BODIES

BODIES OF REVOLUTION
  0102 1902
  GS   SYMMETRICAL BODIES
       #BODIES OF REVOLUTION
       ..CONICAL BODIES
       ...SLENDER CONES
       ..CYLINDRICAL BODIES
       ...ROTATING CYLINDERS
       ..PARABOLIC BODIES
       ..SPHERES
       ...CELESTIAL SPHERE
       ...CONCENTRIC SPHERES
       ...FALLING SPHERES
       ...POINCARE SPHERES
       ...ROTATING SPHERES
       ..TORUSES
  RT   AERODYNAMIC CONFIGURATIONS
       AERODYNAMICS
       AXES OF ROTATION
       AXISYMMETRIC BODIES
     % BODIES
       CONES
```

```
      DISKS (SHAPES)
      ELLIPSOIDS
      FINNED BODIES
      GEOMETRY
    % HEMISPHERES
      HEMISPHERICAL SHELLS
      OGIVES
    % RINGS
      SPHERICAL SHELLS
      STREAMLINED BODIES

BODY CENTERED CUBIC LATTICES
  2601 3203
  UF   BCC LATTICES
  GS   CRYSTAL LATTICES
       .CUBIC LATTICES
       .#BODY CENTERED CUBIC LATTICES
  RT   CLOSE PACKED LATTICES
       CRYSTALS
       FACE CENTERED CUBIC LATTICES

BODY COMPOSITION (BIOLOGY)
  0403 0404
  GS   COMPOSITION (PROPERTY)
       #BODY COMPOSITION (BIOLOGY)
  RT % BIOLOGY
       CHEMICAL COMPOSITION
       EXOSKELETONS

BODY FLUIDS
  0403 0404
  GS  #BODY FLUIDS
       .BLOOD
       ..FIBRIN
       ..FIBRINOGEN
       ..THROMBIN
       ..THROMBOPLASTIN
       .CEREBROSPINAL FLUID
       .ENDOLYMPH
       .LYMPH
       .MUCUS
       .SALIVA
       .SWEAT
       .URINE
  RT   BLOOD PLASMA
       DIURESIS
       EDEMA
       ELECTROLYTE METABOLISM
    % FLUIDS
      ISOTONICITY
      LYSOZYME
      MINERAL METABOLISM
      OBESITY
      PERSPIRATION
      SECRETIONS
      WATER
      WATER BALANCE

BODY KINEMATICS
  0101 0201 0401 0408 0504 0506 1202
  2308 3203
  GS   KINEMATICS
       #BODY KINEMATICS
  RT   ACCELERATION (PHYSICS)
       ACCELERATION STRESSES (PHYSIOLOGY)
       KINETICS
       PARTICLE THEORY
       VELOCITY

BODY MEASUREMENT (BIOLOGY)
  0404 0501 1406
  SN   (LIMITED TO BIOLOGICAL
       APPLICATIONS--FOR MEASUREMENT OF
       NON-BIOLOGICAL BODIES USE SIZE
       DETERMINATION)
  GS   BIOENGINEERING
       .BIOMETRICS
       .#BODY MEASUREMENT (BIOLOGY)
       ...ANTHROPOMETRY
       ...ELECTROPLETHYSMOGRAPHY
  RT % BIOLOGY
       BIOMEDICAL DATA
       ELECTROCARDIOGRAPHY
       ELECTROENCEPHALOGRAPHY
       ELECTROPHYSIOLOGY
    % ENGINEERING
      HUMAN BODY
      HUMAN FACTORS ENGINEERING
      OBESITY
      SIZE DETERMINATION
    % SIZING

BODY SIZE (BIOLOGY)
  0404
  RT   ANTHROPOMETRY
     % BIOLOGY
       OBESITY

BODY SWAY TEST
  0401 0408 0502
  GS   PHYSIOLOGICAL TESTS
       #BODY SWAY TEST
  RT % EQUILIBRIUM
       HEAD DOWN TILT
       VERTICAL PERCEPTION
       VESTIBULAR TESTS

BODY TEMPERATURE
  0404 0408 0508
  SN   (LIMITED TO TEMPERATURE OF
       BIOLOGICAL BODIES)
  GS   TEMPERATURE
       #BODY TEMPERATURE
  RT   COLD TOLERANCE
       FEVER
       HEAT ACCLIMATIZATION
       HEAT STROKE
       HEAT TOLERANCE
       HOMEOSTASIS
       HOMEOTHERMS
       HUMIDITY
       HYPERTHERMIA
       HYPOTHERMIA
       PERSPIRATION
       POIKILOTHERMIA
       SHIVERING
       THERMORECEPTORS
       THERMOREGULATION
       VASOCONSTRICTION
       VASODILATION

BODY TEMPERATURE (NON-BIOLOGICAL)
  USE  TEMPERATURE

BODY TEMPERATURE REGULATION
  USE  THERMOREGULATION

BODY VOLUME (BIOLOGY)
  0404 0408
  GS   VOLUME
       #BODY VOLUME (BIOLOGY)
  RT % BIOLOGY
       OBESITY

BODY WEIGHT
  0404
  GS   WEIGHT (MASS)
       #BODY WEIGHT
  RT   OBESITY
       WEIGHTLESSNESS

BODY-WING AND TAIL CONFIGURATIONS
  0102 0104
  RT   AERODYNAMIC CONFIGURATIONS
     % CONFIGURATIONS
       FUSELAGES
       TAIL ASSEMBLIES
       WINGS

BODY-WING CONFIGURATIONS
  0102 0104
  RT   AERODYNAMIC CONFIGURATIONS
       AIRFOILS
       DROOPED AIRFOILS
       GAW-2 AIRFOIL
```

```
       WINGS

BOEING AIRCRAFT
  0204 0207
  UF   VERTOL MILITARY HELICOPTERS
  GS  #BOEING AIRCRAFT
       .B-47 AIRCRAFT
       .B-50 AIRCRAFT
       .B-52 AIRCRAFT
       .BOEING 707 AIRCRAFT
       .BOEING 720 AIRCRAFT
       .BOEING 727 AIRCRAFT
       .BOEING 733 AIRCRAFT
       .BOEING 737 AIRCRAFT
       .BOEING 747 AIRCRAFT
       .BOEING 757 AIRCRAFT
       .BOEING 767 AIRCRAFT
       .BOEING 2707 AIRCRAFT
       .C-135 AIRCRAFT
       .CH-21 HELICOPTER
       .CH-46 HELICOPTER
       .CH-47 HELICOPTER
       .CH-62 HELICOPTER
       .E-3A AIRCRAFT
       .E-4A AIRCRAFT
       .H-25 HELICOPTER
       .RB-50 AIRCRAFT
       .V-22 AIRCRAFT
       .VZ-2 AIRCRAFT
       .X-20 AIRCRAFT
  RT % AIRCRAFT
       AWACS AIRCRAFT
       YC-14 AIRCRAFT

BOEING MILITARY AIRCRAFT
  USE  MILITARY AIRCRAFT

BOEING 707 AIRCRAFT
  0204
  GS   BOEING AIRCRAFT
       #BOEING 707 AIRCRAFT
       COMMERCIAL AIRCRAFT
       #BOEING 707 AIRCRAFT
       JET AIRCRAFT
       .TURBOFAN AIRCRAFT
       .#BOEING 707 AIRCRAFT
       MONOPLANES
       #BOEING 707 AIRCRAFT
       PASSENGER AIRCRAFT
       #BOEING 707 AIRCRAFT
       TRANSPORT AIRCRAFT
       #BOEING 707 AIRCRAFT
  RT % AIRCRAFT

BOEING 720 AIRCRAFT
  0204
  GS   BOEING AIRCRAFT
       #BOEING 720 AIRCRAFT
       COMMERCIAL AIRCRAFT
       #BOEING 720 AIRCRAFT
       JET AIRCRAFT
       .TURBOFAN AIRCRAFT
       .#BOEING 720 AIRCRAFT
       MONOPLANES
       #BOEING 720 AIRCRAFT
       PASSENGER AIRCRAFT
       #BOEING 720 AIRCRAFT
       TRANSPORT AIRCRAFT
       #BOEING 720 AIRCRAFT
  RT % AIRCRAFT

BOEING 727 AIRCRAFT
  0204
  GS   BOEING AIRCRAFT
       #BOEING 727 AIRCRAFT
       COMMERCIAL AIRCRAFT
       #BOEING 727 AIRCRAFT
       JET AIRCRAFT
       .TURBOFAN AIRCRAFT
       .#BOEING 727 AIRCRAFT
       PASSENGER AIRCRAFT
       #BOEING 727 AIRCRAFT
       TRANSPORT AIRCRAFT
       #BOEING 727 AIRCRAFT
  RT % AIRCRAFT
       CARGO AIRCRAFT

BOEING 733 AIRCRAFT
  0204
  GS   BOEING AIRCRAFT
       #BOEING 733 AIRCRAFT
       COMMERCIAL AIRCRAFT
       #BOEING 733 AIRCRAFT
       JET AIRCRAFT
       .TURBOFAN AIRCRAFT
       .#BOEING 733 AIRCRAFT
       MONOPLANES
       #BOEING 733 AIRCRAFT
       SUPERSONIC AIRCRAFT
       #BOEING 733 AIRCRAFT
       TRANSPORT AIRCRAFT
       #BOEING 733 AIRCRAFT
  RT % AIRCRAFT
       VARIABLE SWEEP WINGS

BOEING 737 AIRCRAFT
  0204
  GS   BOEING AIRCRAFT
       #BOEING 737 AIRCRAFT
       COMMERCIAL AIRCRAFT
       #BOEING 737 AIRCRAFT
       JET AIRCRAFT
       .TURBOFAN AIRCRAFT
       .#BOEING 737 AIRCRAFT
       MONOPLANES
       #BOEING 737 AIRCRAFT
       PASSENGER AIRCRAFT
       #BOEING 737 AIRCRAFT
       TRANSPORT AIRCRAFT
       #BOEING 737 AIRCRAFT
  RT % AIRCRAFT
       CARGO AIRCRAFT

BOEING 747 AIRCRAFT
  0204
  GS   BOEING AIRCRAFT
       #BOEING 747 AIRCRAFT
       COMMERCIAL AIRCRAFT
       #BOEING 747 AIRCRAFT
       JET AIRCRAFT
       #BOEING 747 AIRCRAFT
       PASSENGER AIRCRAFT
       #BOEING 747 AIRCRAFT
       TRANSPORT AIRCRAFT
       #BOEING 747 AIRCRAFT
  RT % AIRCRAFT
       TURBOFAN ENGINES

BOEING 747B AIRCRAFT
  USE  E-4A AIRCRAFT

BOEING 757 AIRCRAFT
  0205
  GS   BOEING AIRCRAFT
       #BOEING 757 AIRCRAFT
       COMMERCIAL AIRCRAFT
       #BOEING 757 AIRCRAFT
       JET AIRCRAFT
       .TURBOFAN AIRCRAFT
       .#BOEING 757 AIRCRAFT
       MONOPLANES
       #BOEING 757 AIRCRAFT
       PASSENGER AIRCRAFT
       #BOEING 757 AIRCRAFT
       TRANSPORT AIRCRAFT
       #BOEING 757 AIRCRAFT
  RT % AIRCRAFT

BOEING 767 AIRCRAFT
  0205
  GS   BOEING AIRCRAFT
       #BOEING 767 AIRCRAFT
       COMMERCIAL AIRCRAFT
       #BOEING 767 AIRCRAFT
       JET AIRCRAFT
```

```
        .TURBOFAN AIRCRAFT
        .#BOEING 767 AIRCRAFT
        MONOPLANES
        #BOEING 767 AIRCRAFT
        PASSENGER AIRCRAFT
        #BOEING 767 AIRCRAFT
        TRANSPORT AIRCRAFT
        #BOEING 767 AIRCRAFT
  RT %  AIRCRAFT
        CARGO AIRCRAFT
        TURBOFAN ENGINES

BOEING 2707 AIRCRAFT
  0204
  GS    BOEING AIRCRAFT
        #BOEING 2707 AIRCRAFT
        COMMERCIAL AIRCRAFT
        .SUPERSONIC COMMERCIAL AIR
         TRANSPORT
        .#BOEING 2707 AIRCRAFT
        JET AIRCRAFT
        #BOEING 2707 AIRCRAFT
        PASSENGER AIRCRAFT
        #BOEING 2707 AIRCRAFT
        SUPERSONIC AIRCRAFT
        .SUPERSONIC TRANSPORTS
        ..SUPERSONIC COMMERCIAL AIR
          TRANSPORT
        ..#BOEING 2707 AIRCRAFT
        TRANSPORT AIRCRAFT
        #BOEING 2707 AIRCRAFT
  RT %  AIRCRAFT

BOGOLIUBOV THEORY
  1203 2502 3006 3501
  RT    BBGKY HIERARCHY
     %  THEORIES

BOGS
  USE   MARSHLANDS

BOHR MAGNETON
  2311 2403
  GS    CONSTANTS
        #BOHR MAGNETON
  RT    ELECTRONS
        MAGNETIC MOMENTS

BOHR THEORY
  1411 2401
  GS    THEORETICAL PHYSICS
        .QUANTUM THEORY
        .#BOHR THEORY
  RT    ELECTRON TRANSITIONS
        LINE SPECTRA
     %  THEORIES

BOILER PLATE
  1504
  GS    STRUCTURAL MEMBERS
        .PLATES (STRUCTURAL MEMBERS)
        ..METAL PLATES
        ..#BOILER PLATE
  RT    THICK WALLS

BOILERS
  1504
  UF    STEAM GENERATORS
  GS    HEATING EQUIPMENT
        #BOILERS
  RT    EXTERNAL COMBUSTION ENGINES
        FURNACES
     %  GENERATORS
        HEAT BALANCE
        PRESSURE VESSELS
        STEAM
        VAPORIZERS
        WASTE ENERGY UTILIZATION

BOILING
  0504 0602 1202 1504 2303 2404 3304
  UF    EBULLITION
  GS    PHASE TRANSFORMATIONS
        .VAPORIZING
        .#BOILING
        ...FILM BOILING
        ...NUCLEATE BOILING
        ....LEIDENFROST PHENOMENON
  RT    EFFERVESCENCE
        EVAPORATION
        EVOLUTION (LIBERATION)
        HEAT TRANSFER
        HEATING

BOILING WATER REACTORS
  2204 2405
  GS    NUCLEAR REACTORS
        .LIQUID COOLED REACTORS
        ..WATER COOLED REACTORS
        ..#BOILING WATER REACTORS
        ....EXPERIMENTAL BOILING WATER
            REACTORS
        ....HALDEN BOILING WATER REACTOR
        ....LOS ALAMOS WATER BOILER REACTOR
        ....PATHFINDER NUCLEAR REACTOR
        ....SPERT REACTORS
  RT    NUCLEAR POWER REACTORS
        NUCLEAR RESEARCH AND TEST REACTORS

BOLIDES
  3005
  GS    CELESTIAL BODIES
        .METEOROIDS
        .#BOLIDES
        ...CYRILLID METEOROIDS
  RT    ATMOSPHERIC ENTRY
        ATMOSPHERIC HEATING
     %  FIREBALLS
        METEOR TRAILS
        METEORITES
        METEOROID SHOWERS
        PRIBRAM METEORITE

BOLIVIA
  1305
  GS    NATIONS
        #BOLIVIA
  RT    SOUTH AMERICA

BOLKOW AIRCRAFT
  0201 0206
  GS   #BOLKOW AIRCRAFT
        .BO-105 HELICOPTER
  RT %  AIRCRAFT

BOLL WEEVILS
  0402
  GS    ANIMALS
        .INVERTEBRATES
        ..ARTHROPODS
        ...INSECTS
        ....COLEOPTERA
        ....#BOLL WEEVILS
  RT    BOLLWORMS
        COTTON
        INFESTATION

BOLLWORMS
  0402
  GS    ANIMALS
        .INVERTEBRATES
        ..ARTHROPODS
        ...INSECTS
        ...#BOLLWORMS
        LARVAE
        #BOLLWORMS
  RT    BOLL WEEVILS
        CORN
        COTTON
        FRUITS
        INFESTATION
        MOTHS

BOLOGRAMS
  USE   BOLOMETERS
```

```
BOLOMETERS
  0411 0605 1406 2402 2902
  UF   BOLOGRAMS
  GS   MEASURING INSTRUMENTS
       .RADIATION MEASURING INSTRUMENTS
       .#BOLOMETERS
  RT   DICKE RADIOMETERS
       ELECTRICAL MEASUREMENT
       HEAT MEASUREMENT
       INFRARED DETECTORS
       PHOTOMETERS
       POTENTIOMETERS (INSTRUMENTS)
       RADIATION PYROMETERS
       RADIOMETERS
       RESISTANCE THERMOMETERS
       TEMPERATURE MEASUREMENT
       TEMPERATURE MEASURING INSTRUMENTS
       X RAY DETECTORS

BOLTED JOINTS
  1504 1507 3202
  GS   JOINTS (JUNCTIONS)
       #BOLTED JOINTS
  RT   BOLTS
       LAP JOINTS
       RIVETED JOINTS

BOLTS
  1504
  GS   FASTENERS
       #BOLTS
       ..ROCK BOLTS
       ..TIEBOLTS
  RT   ANCHORS (FASTENERS)
       BOLTED JOINTS
       COUPLINGS
       HOLDERS
       NUTS (FASTENERS)
       SCREWS
       STUDS (STRUCTURAL MEMBERS)
       THREADS

BOLTZMANN DISTRIBUTION
  1203 1902 1905 2308 2311 2404 3501
  GS   DISTRIBUTION (PROPERTY)
       #BOLTZMANN DISTRIBUTION
  RT   ATMOSPHERIC DENSITY
       ATMOSPHERIC DIFFUSION
       KINETIC THEORY
       STATISTICAL MECHANICS
       TWO FLUID MODELS

BOLTZMANN TRANSPORT EQUATION
  1202 1203 1903 1905 2308 2403 2502
  RT   BBGKY HIERARCHY
       BGK MODEL
       CHAPMAN-ENSKOG THEORY
     % EQUATIONS
       FOKKER-PLANCK EQUATION
       HYDRODYNAMIC EQUATIONS
       KINETIC THEORY
       PARTICLE DIFFUSION
       STATISTICAL MECHANICS
       TRANSPORT PROPERTIES
       TRANSPORT THEORY

BOLTZMANN-VLASOV EQUATION
  1903 2502
  RT % EQUATIONS
       HIGH TEMPERATURE PLASMAS
       MAXWELL EQUATION
       PARTIAL DIFFERENTIAL EQUATIONS
       WAVE EQUATIONS

BOLZA PROBLEMS
  1902
  RT   OPTIMIZATION
     % PROBLEMS

BOMARC A MISSILE
  3101 3401
  GS   MISSILES
       .SURFACE TO AIR MISSILES
       ..BOMARC MISSILES
       ..#BOMARC A MISSILE
  RT   LIQUID PROPELLANT ROCKET ENGINES
       SOLID PROPELLANT ROCKET ENGINES

BOMARC B MISSILE
  3101 3401
  GS   MISSILES
       .SURFACE TO AIR MISSILES
       ..BOMARC MISSILES
       ..#BOMARC B MISSILE
  RT   LIQUID PROPELLANT ROCKET ENGINES
       SOLID PROPELLANT ROCKET ENGINES

BOMARC MISSILES
  3101 3401
  GS   MISSILES
       .ANTIAIRCRAFT MISSILES
       .#BOMARC MISSILES
       .SURFACE TO AIR MISSILES
       .#BOMARC MISSILES
       ...BOMARC A MISSILE
       ...BOMARC B MISSILE

BOMB CALORIMETERS
  1408
  GS   MEASURING INSTRUMENTS
       .CALORIMETERS
       .#BOMB CALORIMETERS
  RT   DROP CALORIMETERS
       FLAME CALORIMETERS
       HEAT MEASUREMENT
       HIGH TEMPERATURE TESTS
       TEMPERATURE MEASURING INSTRUMENTS

% BOMBARDMENT
  2401 2405 2901 3005 3304 3401
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   ELECTRON BOMBARDMENT
       HYPERVELOCITY PROJECTILES
       IRRADIATION
       METEORITIC DAMAGE
       SPUTTERING

BOMBER AIRCRAFT
  0207 3401
  GS   ATTACK AIRCRAFT
       #BOMBER AIRCRAFT
       ..A-2 AIRCRAFT
       ..A-3 AIRCRAFT
       ..A-4 AIRCRAFT
       ..A-5 AIRCRAFT
       ..A-6 AIRCRAFT
       ..B-1 AIRCRAFT
       ..B-2 AIRCRAFT
       ..B-26 AIRCRAFT
       ..B-47 AIRCRAFT
       ..B-50 AIRCRAFT
       ..B-52 AIRCRAFT
       ..B-57 AIRCRAFT
       ..B-58 AIRCRAFT
       ..B-66 AIRCRAFT
       ..B-70 AIRCRAFT
       ..F-100 AIRCRAFT
       ..SHACKLETON BOMBER
       ..VALIANT AIRCRAFT
       ..VICTOR MK-1 AIRCRAFT
       ..VULCAN AIRCRAFT
  RT % AIRCRAFT
       ANTISUBMARINE WARFARE AIRCRAFT
       BOMBING EQUIPMENT
       F-117A AIRCRAFT
       JET AIRCRAFT
     % MILITARY AIRCRAFT
     % MILITARY AVIATION
       RB-50 AIRCRAFT
       TANKER AIRCRAFT
       TRAINING AIRCRAFT
       VAMPIRE MK 35 AIRCRAFT
```

```
BOMBING EQUIPMENT
  0207 3401
  GS   ONBOARD EQUIPMENT
       .AIRCRAFT EQUIPMENT
       .#BOMBING EQUIPMENT
  RT   B-1 AIRCRAFT
       BOMBER AIRCRAFT
       BOMBS (ORDNANCE)
     % EQUIPMENT
       FIRE CONTROL

% BOMBS
  2205 3302 3401
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   BOMBS (ORDNANCE)
       PRECISION GUIDED PROJECTILES
       PRESSURE GAGES
       SAMPLERS

BOMBS (ORDNANCE)
  3401
  GS   EXPLOSIVE DEVICES
       #BOMBS (ORDNANCE)
  RT   AMMUNITION
       B-1 AIRCRAFT
       BOMBING EQUIPMENT
     % BOMBS
       EXPLOSIVES
       INCENDIARY AMMUNITION
       MISSILES
       NUCLEAR WEAPONS
       PROJECTILES
       PYROTECHNICS
       SHAPED CHARGES
       TORPEDOES
       WARHEADS

BOMBS (PRESSURE GAGES)
  USE  PRESSURE GAGES

BOMBS (SAMPLERS)
  USE  SAMPLERS

BONANZA AIRCRAFT
  USE  C-35 AIRCRAFT

BOND GRAPHS
  1601
  GS   CHARTS
       .GRAPHS (CHARTS)
       .#BOND GRAPHS
  RT   CONTROL SYSTEMS DESIGN
       DIFFERENTIAL EQUATIONS
       DYNAMIC MODELS
       MATHEMATICAL MODELS
     % MATHEMATICS
     % NETWORKS
       SIMULATION
       SYSTEMS ANALYSIS
       SYSTEMS ENGINEERING

BONDED JOINTS
  1504 1507 3202
  UF   BONDLINES
  GS   JOINTS (JUNCTIONS)
       #BONDED JOINTS
  RT   ADHESIVE BONDING
       BONDING
       ROCKET ENGINE CASES
       ROCKET LININGS
       SOLDERED JOINTS
       SOLID PROPELLANT ROCKET ENGINES
       WELDED JOINTS

BONDING
  0603 1501 1507
  GS  #BONDING
       .ADHESIVE BONDING
       .AGGLUTINATION
       .CERAMIC BONDING
       .EXPLOSIVE WELDING
       .INERTIA BONDING
       .METAL BONDING
       ..METAL-METAL BONDING
       .REACTION BONDING
       .RESIN BONDING
  RT   ADHESION
       ADHESION TESTS
       BEAM LEADS
       BINDING
       BONDED JOINTS
       CEMENTATION
       CHEMICAL BONDS
       COHESION
       COLD WELDING
       DEBONDING (MATERIALS)
       DIFFUSION WELDING
     % JOINING
       JOINTS (JUNCTIONS)
       LAMINATES
       LASER WELDING
       SEALING
       SOLDERING
       WELDING

BONDLINES
  USE  BONDED JOINTS

BONDOC METEORITE
  3005
  GS   CELESTIAL BODIES
       .METEORITES
       ..STONY METEORITES
       ...ACHONDRITES
       ...#BONDOC METEORITE

BONE DEMINERALIZATION
  0403
  GS   DEMINERALIZING
       #BONE DEMINERALIZATION
       DISEASES
       #BONE DEMINERALIZATION
  RT   BIOLOGICAL EFFECTS
     % BIOLOGY
       BONES
       OSTEOPOROSIS
       PHYSIOLOGICAL EFFECTS
       PHYSIOLOGY
       WEIGHTLESSNESS

BONE MARROW
  0404 0404
  GS   ANATOMY
       .MUSCULOSKELETAL SYSTEM
       ..CONNECTIVE TISSUE
       ..#BONE MARROW
  RT   BONES
       CANCER
       ERYTHROCYTES
       HEMATOPOIESIS
       HEMATOPOIETIC SYSTEM
       LEUKEMIAS
       LEUKOCYTES

BONE MINERAL CONTENT
  0403
  UF   BMC
  GS   CONTENT
       #BONE MINERAL CONTENT
  RT   BIOENGINEERING
     % BIOLOGY
       BIOMETRICS
       BONES
       CALCIUM CARBONATES
       CALCIUM PHOSPHATES
       COLLAGENS
       MINERALS
       OSTEOPOROSIS

BONES
  0404
  GS   ANATOMY
```

```
        .MUSCULOSKELETAL SYSTEM
        .#BONES
        ...FEMUR
        ...PELVIS
        ...SCAPULA
        ...SKULL
        ....CRANIUM
        .....INTRACRANIAL CAVITY
        ....MASTOIDS
        ...SPINE
        ....VERTEBRAE
        ...STERNUM
        ...TIBIA
        ...ULNA
  RT    ARTHRITIS
        BONE DEMINERALIZATION
        BONE MARROW
        BONE MINERAL CONTENT
        CALCIFICATION
        CARTILAGE
        CHIN
        CONNECTIVE TISSUE
        EXOSKELETONS
        JOINTS (ANATOMY)
        LAMELLA
        OSTEOPOROSIS
        SPINAL CORD
        SPLINTS

BONNE PROJECTION
  1303
  RT    MAPPING
        MAPS
     % PROJECTION

BOOLEAN ALGEBRA
  0802 1902
  GS    MATHEMATICAL LOGIC
        .LATTICES (MATHEMATICS)
        .#BOOLEAN ALGEBRA
        ...BOOLEAN FUNCTIONS
  RT    ALGEBRA
     % CONJUNCTION
        INSTRUCTION SETS (COMPUTERS)
     % LOGIC
        SET THEORY
        SWITCHING THEORY
        TRANSISTOR LOGIC
     % UNIONS

BOOLEAN FUNCTIONS
  0802 1902
  GS    FUNCTIONS (MATHEMATICS)
        #BOOLEAN FUNCTIONS
        MATHEMATICAL LOGIC
        .LATTICES (MATHEMATICS)
        ..BOOLEAN ALGEBRA
        ..#BOOLEAN FUNCTIONS

% BOOM
  0203
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    BOOMS (EQUIPMENT)
        SONIC BOOMS
        TAIL ASSEMBLIES

BOOMS (EQUIPMENT)
  1103
  GS    POSITIONING DEVICES (MACHINERY)
        #BOOMS (EQUIPMENT)
  RT % BOOM
        CRANES

BOOST
  USE   ACCELERATION (PHYSICS)

BOOSTER RECOVERY
  1102 3102
  RT    EXPENDABLE STAGES (SPACECRAFT)
        RECOVERABLE LAUNCH VEHICLES
     % RECOVERY
        RECOVERY PARACHUTES
        SPACECRAFT RECOVERY

BOOSTER ROCKET ENGINES
  2808 3103 3106 3110
  UF    ROCKET BOOSTERS
  GS    ENGINES
        .ROCKET ENGINES
        .#BOOSTER ROCKET ENGINES
        ...AJ-10 ENGINE
        ...ALGOL ENGINE
        ...APOGEE BOOST MOTORS
        ...H-1 ENGINE
        ...LR-87-AJ-5 ENGINE
        ...M-1 ENGINE
        ...M-55 ENGINE
        ...MA-2 ENGINE
        ...MA-3 ENGINE
        ...MA-5 ENGINE
        ...NIKE BOOSTER ROCKET ENGINES
        ...P-1 ENGINE
        ...ROCKET ENGINE 9KS-11000
        ...SPACE SHUTTLE BOOSTERS
        ....ADVANCED SOLID ROCKET MOTOR
            (STS)
        ...X-405 ENGINE
  RT    AIR BREATHING BOOSTERS
        BLUE GOOSE MISSILE
     % BOOSTERS
        BURNOUT
        DUCTED ROCKET ENGINES
        EXPENDABLE STAGES (SPACECRAFT)
        F-1 ROCKET ENGINE
        HYBRID PROPELLANT ROCKET ENGINES
        INTERNAL COMBUSTION ENGINES
        LAUNCH VEHICLES
        LIFTOFF (LAUNCHING)
        LIQUID PROPELLANT ROCKET ENGINES
        MACE MISSILES
        NUCLEAR ENGINE FOR ROCKET VEHICLES
        NUCLEAR ROCKET ENGINES
        OXYGEN-HYDROCARBON ROCKET ENGINES
        RECOVERABLE SPACECRAFT
        SOLID PROPELLANT ROCKET ENGINES
        SPINNING SOLID UPPER STAGE
        STAGE SEPARATION
        SUSTAINER ROCKET ENGINES
        TURBOROCKET ENGINES
        TX-354 ENGINE

% BOOSTER ROCKETS
  2808 3103 3106
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    LAUNCH VEHICLES

% BOOSTERS
  2808 3103 3106
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    AIR BREATHING BOOSTERS
        AMPLIFIERS
        APOGEE BOOST MOTORS
        BOOSTER ROCKET ENGINES
        BOOSTERS (EXPLOSIVES)
        LAUNCH VEHICLES
        SCOUT PROJECT
        SPACE SHUTTLE BOOSTERS
        TITAN PROJECT

BOOSTERS (EXPLOSIVES)
  3303
  GS    EXPLOSIVE DEVICES
        .INITIATORS (EXPLOSIVES)
        .#BOOSTERS (EXPLOSIVES)
        IGNITERS
        .INITIATORS (EXPLOSIVES)
        .#BOOSTERS (EXPLOSIVES)
  RT % BOOSTERS
        EXPLODING WIRES
```

```
BOOSTGLIDE VEHICLES
  0205 2802 2808 3501
  GS   GLIDERS
       #BOOSTGLIDE VEHICLES
       ..X-20 AIRCRAFT
       REENTRY VEHICLES
       #BOOSTGLIDE VEHICLES
       ..X-20 AIRCRAFT
  RT   AEROSPACE PLANES
     % AIRCRAFT
       ASTRO VEHICLE
       GLIDING
       HYPERSONIC AIRCRAFT
       HYPERSONIC GLIDERS
       LIFTING REENTRY VEHICLES
       MANNED SPACECRAFT
       RECOVERABLE SPACECRAFT
       ROCKET PLANES
     % VEHICLES

BOOTS (FOOTWEAR)
  0508
  GS   CLOTHING
       #BOOTS (FOOTWEAR)
  RT   SHOES

BORAL
  1703 1704
  GS   COMPOSITE MATERIALS
       .LAMINATES
       .#BORAL
       COMPOSITE STRUCTURES
       .LAMINATES
       .#BORAL
  RT   ALUMINUM
       BORON CARBIDES
       RADIATION SHIELDING

BORANES
  0603 1804
  GS   BORON COMPOUNDS
       .BORON HYDRIDES
       .#BORANES
       ...CARBORANE
       ...HYDRAZINE BORANE
       ...PENTABORANES
       HYDROGEN COMPOUNDS
       .HYDRIDES
       ..BORON HYDRIDES
       ..#BORANES
       ....CARBORANE
       ....HYDRAZINE BORANE
       ....PENTABORANES
  RT   BOROHYDRIDES

BORATES
  0603 1804
  GS   BORON COMPOUNDS
       #BORATES
       ..LITHIUM BORATES
  RT   BORIC ACIDS
     % OXYGEN COMPOUNDS

BORAZON (TRADEMARK)
  USE  BORON NITRIDES

BORDERS
  3403
  RT   BOUNDARIES
       MARGINS
       RIMS

BORDONI PEAKS
  0601 2603
  RT   ELASTIC DEFORMATION
       PLASTIC DEFORMATION
       RESONANT FREQUENCIES
       STRESS RELAXATION

BOREDOM
  0408 0410
  RT   DETACHMENT
       HUMAN BEHAVIOR
       HUMAN REACTIONS
       LETHARGY
       MONOTONY
       PSYCHOLOGICAL EFFECTS
       PSYCHOLOGY
       SPACE FLIGHT STRESS

BOREHOLES
  1305
  RT   CAVITIES
       CLAYS
       DRILLING
       EXCAVATION
       EXPLORATION
       GEOLOGY
       GRAVELS
     % HOLES
       MINERALS
       PITS (EXCAVATIONS)
       ROCKS
       SHALES
       SOILS

BOREL SETS
  1902
  GS   ANALYSIS (MATHEMATICS)
       .REAL VARIABLES
       ..MEASURE AND INTEGRATION
       ..#BOREL SETS
       MATHEMATICAL LOGIC
       .SET THEORY
       .#BOREL SETS
  RT   PROBABILITY THEORY

BORES
  USE  CAVITIES

BORESCOPES
  USE  ENDOSCOPES

BORESIGHT ERROR
  1400
  GS   ERRORS
       .POSITION ERRORS
       .#BORESIGHT ERROR
  RT   AIR NAVIGATION
       BORESIGHTS
       DIRECTIONAL ANTENNAS
       DISPLACEMENT
       DISPLACEMENT MEASUREMENT
       ERROR ANALYSIS
       INSTRUMENT ERRORS
       LINE OF SIGHT COMMUNICATION
       NAVIGATION INSTRUMENTS
       OPTICAL TRACKING
       RANGE ERRORS

BORESIGHTS
  0705 0901
  RT   BORESIGHT ERROR
       DIRECTIONAL ANTENNAS
       OPTICAL TRACKING

BORIC ACIDS
  0603 1804
  GS   ACIDS
       #BORIC ACIDS
       BORON COMPOUNDS
       #BORIC ACIDS
  RT   BORATES

BORIDES
  0603 1804
  GS   BORON COMPOUNDS
       #BORIDES
       ..CHROMIUM BORIDES
       ..TITANIUM BORIDES
  RT   INTERMETALLICS

BORING MACHINES
  1504
```

```
  GS   TOOLS
       .MACHINE TOOLS
       .#BORING MACHINES
  RT   DRILLS
     % MACHINERY

BORN APPROXIMATION
  1902 2308 2311 2401 2404
  UF   BORN-MAYER EQUATION
  GS   ANALYSIS (MATHEMATICS)
       .NUMERICAL ANALYSIS
       ..APPROXIMATION
       ..#BORN APPROXIMATION
  RT % EQUATIONS
       QUANTUM MECHANICS
       SCATTERING CROSS SECTIONS

BORN-INFELD THEORY
  2402 2403
  RT   ELECTRODYNAMICS
       ELECTROSTATICS
       MAXWELL EQUATION
       NONLINEAR EQUATIONS
     % THEORIES

BORN-MAYER EQUATION
  USE  BORN APPROXIMATION

BORN-OPPENHEIMER APPROXIMATION
  2401 2404
  GS   ANALYSIS (MATHEMATICS)
       .NUMERICAL ANALYSIS
       ..APPROXIMATION
       ..#BORN-OPPENHEIMER APPROXIMATION
  RT   FRANCK-CONDON PRINCIPLE

BOROHYDRIDES
  0603 1804
  GS   BORON COMPOUNDS
       #BOROHYDRIDES
       ..ALUMINUM BOROHYDRIDES
       ..BERYLLIUM BOROHYDRIDES
       HYDROGEN COMPOUNDS
       .HYDRIDES
       .#BOROHYDRIDES
       ...ALUMINUM BOROHYDRIDES
       ...BERYLLIUM BOROHYDRIDES
  RT   BORANES
       BORON HYDRIDES

BORON
  0603 1807
  GS   CHEMICAL ELEMENTS
       .METALLOIDS
       .#BORON
       ...BORON ISOTOPES
       ....BORON 10
  RT   BORON REINFORCED MATERIALS
       BORSIC (TRADENAME)

BORON ALLOYS
  1701 1704
  GS   ALLOYS
       #BORON ALLOYS
  RT   METALLOIDS

BORON CARBIDES
  0603 1804
  GS   BORON COMPOUNDS
       #BORON CARBIDES
       CARBON COMPOUNDS
       .CARBIDES
       .#BORON CARBIDES
  RT   BORAL
       CERAMIC FIBERS

BORON CHLORIDES
  0603 1804
  GS   BORON COMPOUNDS
       #BORON CHLORIDES
       HALOGEN COMPOUNDS
       .CHLORINE COMPOUNDS
       ..CHLORIDES
       ..#BORON CHLORIDES
       .HALIDES
       ..CHLORIDES
       ..#BORON CHLORIDES

BORON COMPOUNDS
  0603 1804 1808
  GS  #BORON COMPOUNDS
       .BORATES
       ..LITHIUM BORATES
       .BORIC ACIDS
       .BORIDES
       ..CHROMIUM BORIDES
       ..TITANIUM BORIDES
       .BOROHYDRIDES
       ..ALUMINUM BOROHYDRIDES
       ..BERYLLIUM BOROHYDRIDES
       .BORON CARBIDES
       .BORON CHLORIDES
       .BORON FLUORIDES
       .BORON HYDRIDES
       ..ALUMINUM BOROHYDRIDES
       ..BERYLLIUM BOROHYDRIDES
       ..BORANES
       ...CARBORANE
       ...HYDRAZINE BORANE
       ...PENTABORANES
       .BORON NITRIDES
       .BORON OXIDES
       .BORON PHOSPHIDES
       .DIBORANE
       .ORGANIC BORON COMPOUNDS
       .TOURMALINE
  RT % CHEMICAL COMPOUNDS
     % GROUP 3A COMPOUNDS
       HIGH ENERGY FUELS
       METAL FUELS
       METAL PROPELLANTS

BORON FIBERS
  0603
  GS   FIBERS
       .REINFORCING FIBERS
       .#BORON FIBERS
  RT   ALUMINUM BORON COMPOSITES
       BORSIC (TRADENAME)
       CARBON FIBERS
       COMPOSITE MATERIALS
       FIBER COMPOSITES
       FIBER ORIENTATION
       FIBER STRENGTH
     % FILAMENTS
       GLASS FIBERS
       METAL MATRIX COMPOSITES
       POLYMER MATRIX COMPOSITES
       REINFORCED PLASTICS

BORON FLUORIDES
  0603 1804
  UF   BORON TRIFLUORIDE
  GS   BORON COMPOUNDS
       #BORON FLUORIDES
       HALOGEN COMPOUNDS
       .FLUORINE COMPOUNDS
       ..FLUORIDES
       ..#BORON FLUORIDES
       .HALIDES
       ..FLUORIDES
       ..#BORON FLUORIDES

BORON HYDRIDES
  0603 1804
  GS   BORON COMPOUNDS
       #BORON HYDRIDES
       ..ALUMINUM BOROHYDRIDES
       ..BERYLLIUM BOROHYDRIDES
       ..BORANES
       ...CARBORANE
       ...HYDRAZINE BORANE
       ...PENTABORANES
       HYDROGEN COMPOUNDS
       .HYDRIDES
```

```
        .#BORON HYDRIDES
        ...ALUMINUM BOROHYDRIDES
        ...BERYLLIUM BOROHYDRIDES
        ...BORANES
        ....CARBORANE
        ....HYDRAZINE BORANE
        ....PENTABORANES
  RT    BOROHYDRIDES

BORON ISOTOPES
  1807 2406
  GS    CHEMICAL ELEMENTS
        .METALLOIDS
        ..BORON
        ..#BORON ISOTOPES
        ....BORON 10
        .NUCLIDES
        ..ISOTOPES
        ..#BORON ISOTOPES
        ....BORON 10

BORON NITRIDES
  0603 1804
  UF    BORAZON (TRADEMARK)
  GS    BORON COMPOUNDS
        #BORON NITRIDES
        NITROGEN COMPOUNDS
        .NITRIDES
        .#BORON NITRIDES

BORON OXIDES
  0603 1804
  GS    BORON COMPOUNDS
        #BORON OXIDES
        CHALCOGENIDES
        .OXIDES
        .#BORON OXIDES

BORON PHOSPHIDES
  0603 1804
  GS    BORON COMPOUNDS
        #BORON PHOSPHIDES
        PHOSPHORUS COMPOUNDS
        .PHOSPHIDES
        .#BORON PHOSPHIDES

BORON REINFORCED MATERIALS
  1507 1703 1801 1805 1809
  GS    COMPOSITE MATERIALS
        #BORON REINFORCED MATERIALS
        ..ALUMINUM BORON COMPOSITES
        ..BORON-EPOXY COMPOSITES
  RT    BORON
        CERAMIC MATRIX COMPOSITES
        EPOXY RESINS
        FIBER COMPOSITES
        FIBERS
      % MATERIALS
        PLASTICS
        REINFORCED PLASTICS
        REINFORCING FIBERS

BORON TRIFLUORIDE
  USE   BORON FLUORIDES

BORON 10
  0603 1807 2406
  GS    CHEMICAL ELEMENTS
        .METALLOIDS
        ..BORON
        ...BORON ISOTOPES
        ...#BORON 10
        .NUCLIDES
        ..ISOTOPES
        ...BORON ISOTOPES
        ...#BORON 10

BORON-EPOXY COMPOSITES
  1801 1804 1805 1809 1810 2311 3202
  GS    COMPOSITE MATERIALS
        .BORON REINFORCED MATERIALS
        .#BORON-EPOXY COMPOSITES
        .POLYMER MATRIX COMPOSITES
        ..EPOXY MATRIX COMPOSITES
        ..#BORON-EPOXY COMPOSITES
        .RESIN MATRIX COMPOSITES
        .#BORON-EPOXY COMPOSITES
  RT    AIRCRAFT STRUCTURES
      % CHEMICAL COMPOUNDS
        COMPOSITE STRUCTURES
        EPOXY RESINS
        FIBER COMPOSITES
        LAMINATES
        PLASTIC AIRCRAFT STRUCTURES
        SPACECRAFT COMPONENTS
        SUPERHYBRID MATERIALS

BOROSILICATE GLASS
  1801 1805
  UF    PYREX (TRADEMARK)
  GS    GLASS
        #BOROSILICATE GLASS
  RT    GLASSWARE
        SILICON DIOXIDE

BORSIC (TRADENAME)
  1704
  GS    COMPOSITE MATERIALS
        .METAL MATRIX COMPOSITES
        .#BORSIC (TRADENAME)
  RT    ALUMINUM
        BORON
        BORON FIBERS
        FIBER COMPOSITES
      % MATERIALS
        METAL FIBERS
        METALS

BOSE GEOMETRY
  1902
  GS    GEOMETRY
        #BOSE GEOMETRY
  RT    EQUATIONS OF STATE

BOSE-CHAUDHURI-HOCQUENGHEM CODES
  USE   BCH CODES

BOSE-EINSTEIN STATISTICS
  USE   QUANTUM STATISTICS

BOSON FIELDS
  2401 2403
  RT    FIELD THEORY (PHYSICS)
      % FIELDS
        MESONS

BOSONS
  1905 2401 2403
  GS    PARTICLES
        .ELEMENTARY PARTICLES
        .#BOSONS
        ...ALPHA PARTICLES
        ...MESONS
        ....ETA-MESONS
        ....KAONS
        ....MESON RESONANCE
        .....X MESONS
        ....MUONS
        ....PIONS
        ....VECTOR MESONS
        .....RHO-MESONS
        .....SIGMA-MESONS
        ...PHOTONS
        ...XI HYPERONS
        .NUCLEAR PARTICLES
        .#BOSONS
        ...ALPHA PARTICLES
        ...MESONS
        ....ETA-MESONS
        ....KAONS
        ....MESON RESONANCE
        .....X MESONS
        ....MUONS
        ....PIONS
        ....VECTOR MESONS
```

```
        .....RHO-MESONS
        .....SIGMA-MESONS
        ...PHOTONS
        ...XI HYPERONS
  RT    CHARGED PARTICLES
        FERMI-DIRAC STATISTICS
        QUANTUM STATISTICS
        STRING THEORY
        SUPERSYMMETRY

BOTANY
  0404 0409
  GS   #BOTANY
        .GEOBOTANY
  RT    AGRICULTURE
        ALFALFA
        BARLEY
        BIOGEOCHEMISTRY
      % BIOLOGY
        BLIGHT
        BROWN WAVE EFFECT
        BRUSH (BOTANY)
        CHAPARRAL
        CITRUS TREES
        CORN
        FARM CROPS
        FRUITS
        GREEN WAVE EFFECT
        HABITATS
        HAY
        LEGUMINOUS PLANTS
        NIGELLA
        OATS
        PLANTS (BOTANY)
      % SCIENCE
        SILVICULTURE
        SUGAR BEETS
        SUGAR CANE
        TOMATOES
        VEGETATION GROWTH
        VINEYARDS
      % ZOOLOGY

BOTSWANA
  1305
  GS    NATIONS
        #BOTSWANA
  RT    AFRICA
        REPUBLIC OF SOUTH AFRICA

BOTTLES
  1502 1805 2501 2806 3203
  RT % CONTAINERS
        FLASKS
        GLASSWARE
        TANKS (CONTAINERS)

BOUGUER LAW
  2306 2402
  UF    LAMBERT LAW
  RT    ABSORPTIVITY
        BEER LAW
        ELECTROMAGNETIC ABSORPTION
        THERMOPLASTICITY

BOULES
  1703 1805 3203
  GS    CRYSTALS
        #BOULES
  RT    SINGLE CRYSTALS

BOUNDARIES
  0101 1202 1305 1902
  UF    PERIPHERIES
  GS   #BOUNDARIES
        .FLUID BOUNDARIES
        ..GAS-SOLID INTERFACES
        ..JET BOUNDARIES
        ..LIQUID-LIQUID INTERFACES
        ..LIQUID-SOLID INTERFACES
        ..LIQUID-VAPOR INTERFACES
        .FREE BOUNDARIES
        .GRAIN BOUNDARIES
  RT    AIRSPACE
        BORDERS
        BOUNDARY CONDITIONS
        CIRCUMFERENCES
        CONTOUR SENSORS
        DELINEATION
        FENCES (BARRIERS)
        INTERFACES
        REGIONS

BOUNDARY CONDITIONS
  1902 1903 2311
  GS    CONDITIONS
        #BOUNDARY CONDITIONS
  RT    BOUNDARIES
        BOUNDARY LAYERS
        BOUNDARY VALUE PROBLEMS
        VORTEX LATTICE METHOD

BOUNDARY DETECTION (IMAGERY)
  USE   EDGE DETECTION

BOUNDARY ELEMENT METHOD
  2102
  GS    STRESS ANALYSIS
        #BOUNDARY ELEMENT METHOD
  RT    APERTURES

BOUNDARY INTEGRAL METHOD
  1903 3501
  GS    ANALYSIS (MATHEMATICS)
        .NUMERICAL ANALYSIS
        .#BOUNDARY INTEGRAL METHOD
        PROCEDURES
        #BOUNDARY INTEGRAL METHOD
  RT    BOUNDARY VALUE PROBLEMS
      % METHODOLOGY

BOUNDARY LAYER COMBUSTION
  0603 1202 3301
  GS    COMBUSTION
        #BOUNDARY LAYER COMBUSTION
  RT    BOUNDARY LAYERS
        COMBUSTIBLE FLOW
        CONVECTIVE HEAT TRANSFER
        DIFFUSION FLAMES
        FLAME PROPAGATION
        LAMINAR BOUNDARY LAYER
        REACTING FLOW

BOUNDARY LAYER CONTROL
  0101 0102 0201 1201 1402 3501
  UF    LAMINAR FLOW CONTROL
  GS   #BOUNDARY LAYER CONTROL
        .POROUS BOUNDARY LAYER CONTROL
  RT    AERODYNAMICS
        AIRFOIL FENCES
      % BLEEDING
        BLOWING
        BOUNDARY LAYERS
        BUFFETING
        CIRCULATION CONTROL AIRFOILS
      % CONTROL
        CONTROL SURFACES
        DRAG DEVICES
        FLUID AMPLIFIERS
        FLUTTER
        JET CONTROL
        LEADING EDGE SLATS
        LIFT AUGMENTATION
        LIFT DEVICES
        RIBLETS
        SPOILERS
        TURBULENCE
        UPPER SURFACE BLOWN FLAPS
        VACUUM
        VORTEX GENERATORS
        WING SLOTS
        X-21 AIRCRAFT

BOUNDARY LAYER EQUATIONS
  1202 1203
```

```
  GS    FLOW EQUATIONS
        #BOUNDARY LAYER EQUATIONS
        ..BLASIUS EQUATION
  RT    BOUNDARY LAYERS
        DIFFERENTIAL EQUATIONS
      % EQUATIONS
        FLOW THEORY

BOUNDARY LAYER FLOW
  0101 1201 1202 1203 3303
  GS    FLUID FLOW
        .VISCOUS FLOW
        .#BOUNDARY LAYER FLOW
        ...REATTACHED FLOW
        ...SECONDARY FLOW
        ...SEPARATED FLOW
        ....BOUNDARY LAYER SEPARATION
  RT    AIR CURRENTS
        ATMOSPHERIC BOUNDARY LAYER
        BACKWARD FACING STEPS
        BLASIUS EQUATION
        CONVECTIVE HEAT TRANSFER
        FLOW DISTRIBUTION
        LIGHTHILL GAS MODEL
        MAGNUS EFFECT
        RECIRCULATIVE FLUID FLOW
        REYNOLDS NUMBER
        STAGNATION FLOW
        STAGNATION POINT
        TOLLMIEN-SCHLICHTING WAVES
        WALL FLOW

BOUNDARY LAYER NOISE
  USE   AERODYNAMIC NOISE
        BOUNDARY LAYERS

BOUNDARY LAYER PLASMAS
  2501
  GS    PARTICLES
        .CHARGED PARTICLES
        ..ENERGETIC PARTICLES
        ...PLASMAS (PHYSICS)
        ...#BOUNDARY LAYER PLASMAS
  RT    AERODYNAMIC HEATING
        AEROTHERMODYNAMICS
        BOUNDARY LAYERS
        HYPERSONIC REENTRY
        PLASMA PHYSICS
        PLASMA SHEATHS

BOUNDARY LAYER SEPARATION
  1201 1202
  UF    BREAKAWAY
        FLOW SEPARATION
        LAMINAR BOUNDARY LAYER SEPARATION
  GS    FLUID FLOW
        .VISCOUS FLOW
        ..BOUNDARY LAYER FLOW
        ...SEPARATED FLOW
        ...#BOUNDARY LAYER SEPARATION
  RT    AERODYNAMIC STALLING
        AIRSPEED
        ANGLE OF ATTACK
        BOUNDARY LAYERS
        CROCCO-LEE THEORY
      % DIFFUSERS
        FALKNER-SKAN EQUATION
        FLOW DISTRIBUTION
        INJECTION
        KUTTA-JOUKOWSKI CONDITION
        LIFT DRAG RATIO
        REATTACHED FLOW
        RECIRCULATIVE FLUID FLOW
        REVERSED FLOW
        ROTATING STALLS
      % SEPARATION
        STAGNATION FLOW
      % STALLING
        SWEEP ANGLE
        VORTEX GENERATORS
        ZERO LIFT

BOUNDARY LAYER STABILITY
  1202
  GS    DYNAMIC CHARACTERISTICS
        .DYNAMIC STABILITY
        ..MOTION STABILITY
        ...FLOW STABILITY
        ...#BOUNDARY LAYER STABILITY
        .FLOW CHARACTERISTICS
        ..FLOW STABILITY
        ..#BOUNDARY LAYER STABILITY
        STABILITY
        .DYNAMIC STABILITY
        ..MOTION STABILITY
        ...FLOW STABILITY
        ...#BOUNDARY LAYER STABILITY
  RT    AERODYNAMIC STABILITY
        BACKWASH
        BOUNDARY LAYERS
        GOERTLER INSTABILITY
        REYNOLDS NUMBER

BOUNDARY LAYER TRANSITION
  0101 1202 1203
  RT    AIR CURRENTS
        BOUNDARY LAYERS
        EKMAN LAYER
        GOERTLER INSTABILITY
        KNUDSEN FLOW
        LAMINAR BOUNDARY LAYER
        LAMINAR FLOW
        MOLECULAR FLOW
        REYNOLDS NUMBER
        THREE DIMENSIONAL BOUNDARY LAYER
        TOLLMIEN-SCHLICHTING WAVES
      % TRANSITION
        TRANSITION FLOW
      % TRANSITION LAYERS
        TRANSITION POINTS
        TURBULENCE
        TURBULENT BOUNDARY LAYER
        TURBULENT FLOW

BOUNDARY LAYERS
  0101 1202
  UF    BOUNDARY LAYER NOISE
  GS   #BOUNDARY LAYERS
        .ATMOSPHERIC BOUNDARY LAYER
        .COMPRESSIBLE BOUNDARY LAYER
        .HYPERSONIC BOUNDARY LAYER
        .INCOMPRESSIBLE BOUNDARY LAYER
        .LAMINAR BOUNDARY LAYER
        .PLANETARY BOUNDARY LAYER
        .SUPERSONIC BOUNDARY LAYERS
        .THERMAL BOUNDARY LAYER
        .THREE DIMENSIONAL BOUNDARY LAYER
        .TURBULENT BOUNDARY LAYER
        .TWO DIMENSIONAL BOUNDARY LAYER
  RT    BOUNDARY CONDITIONS
        BOUNDARY LAYER COMBUSTION
        BOUNDARY LAYER CONTROL
        BOUNDARY LAYER EQUATIONS
        BOUNDARY LAYER PLASMAS
        BOUNDARY LAYER SEPARATION
        BOUNDARY LAYER STABILITY
        BOUNDARY LAYER TRANSITION
        CROCCO METHOD
      % DRAFT
        DRAG
        FLUID BOUNDARIES
        FLUID FLOW
        GAS-SOLID INTERFACES
      % LAYERS
        LIQUID-LIQUID INTERFACES
        LIQUID-SOLID INTERFACES
        MIXING LAYERS (FLUIDS)
        PANEL METHOD (FLUID DYNAMICS)
        SHEAR LAYERS
        SURFACE LAYERS
        WALL PRESSURE

BOUNDARY LUBRICATION
  1503
  GS    LUBRICATION
```

```
      #BOUNDARY LUBRICATION
  RT  BEARINGS
      LUBRICANTS
      SQUEEZE FILMS
      WEAR RESISTANCE

BOUNDARY VALUE PROBLEMS
  1902 1903 2311
  UF  INITIAL VALUE PROBLEMS
      POINT MATCHING METHOD (MATHEMATICS)
  GS  #BOUNDARY VALUE PROBLEMS
      .CAUCHY PROBLEM
      .DIRICHLET PROBLEM
      .NEUMANN PROBLEM
  RT  BESSEL FUNCTIONS
      BOUNDARY CONDITIONS
      BOUNDARY INTEGRAL METHOD
      COUNTER ROTATION
      CRANK-NICHOLSON METHOD
      DIFFERENTIAL EQUATIONS
      FINITE ELEMENT METHOD
      FINITE VOLUME METHOD
      HALF PLANES
      HALF SPACES
      HANKEL FUNCTIONS
      LAME FUNCTIONS
      MATHIEU FUNCTION
      MINIMAL SURFACES
      MONGE-AMPERE EQUATION
      OBSERVABILITY (SYSTEMS)
    % PROBLEMS
      SOBOLEV SPACE
      THREE DIMENSIONAL BODIES

BOURDON TUBES
  1202 1408 1409
  GS  TRANSDUCERS
      .PRESSURE SENSORS
      .#BOURDON TUBES
  RT  PRESSURE GAGES
      PRESSURE MEASUREMENT
    % TUBES

BOUSSINESQ APPROXIMATION
  1202
  RT  CONVECTION
      HEAT TRANSFER
      INCOMPRESSIBLE FLUIDS
      PERTURBATION THEORY
      THERMAL EXPANSION

BOW SHOCK WAVES
  USE SHOCK WAVES

BOW WAVES
  0101 1202
  RT  HYPERSONIC WAKES
      MACH CONES
      MAGNETOSHEATH
      SHOCK WAVES
      SURFACE WAVES

% BOWS
  0102 0202 1504 3202 3407
  SN  (USE OF A MORE SPECIFIC TERM IS
      RECOMMENDED--CONSULT THE TERMS
      LISTED BELOW)
  RT  BENDING
      CAMBER
      FOREBODIES
      HEAVING

BOX BEAMS
  3202
  GS  STRUCTURAL MEMBERS
      .BEAMS (SUPPORTS)
      .#BOX BEAMS
  RT % BOXES
      CANTILEVER BEAMS
      GIRDERS
      RECTANGULAR BEAMS

% BOXES
  0202 1103 1502 1504 3203 3404
  SN  (USE OF A MORE SPECIFIC TERM IS
      RECOMMENDED--CONSULT THE TERMS
      LISTED BELOW)
  RT  BOX BEAMS
      BOXES (CONTAINERS)

BOXES (CONTAINERS)
  1103
  RT % BOXES
     % BUCKETS
       CASES (CONTAINERS)
     % CONTAINERS
       PACKAGES

BPSK
  USE BINARY PHASE SHIFT KEYING

BRACKETS
  1504 1507 1703 1805 3202
  RT  ANCHORS (FASTENERS)
      FASTENERS
      FIXTURES
      HOLDERS
      MOUNTING

BRADYCARDIA
  0401 0405 0408
  GS  RATES (PER TIME)
      .HEART RATE
      .#BRADYCARDIA
      SIGNS AND SYMPTOMS
      #BRADYCARDIA
  RT  HEART DISEASES

BRAGG ANGLE
  2402 2601
  GS  GEOMETRY
      .EUCLIDEAN GEOMETRY
      ..ANGLES (GEOMETRY)
      ..#BRAGG ANGLE
  RT  CRYSTALLOGRAPHY
      DBR LASERS
      DIFFRACTION
      DIFFRACTION PATHS
      ELECTRON DIFFRACTION
      ISOTROPY
    % ORIENTATION
    % PHYSICAL PROPERTIES
      RADIOGRAPHY

BRAGG CELLS
  2301 2306 2310 2312
  GS  MODULATORS
      #BRAGG CELLS
  RT  ACOUSTO-OPTICS
      AMPLITUDE MODULATION
      CRYSTAL OPTICS
      LIGHT BEAMS
      LIGHT MODULATION
      PHASE DEMODULATORS
      PHASE MODULATION
      ULTRASONIC LIGHT MODULATION

BRAGG CURVE
  2402
  RT  BIOLOGICAL EFFECTS
      NUCLEAR REACTIONS
      PARTICLE INTERACTIONS
      RADIATION EFFECTS

BRAIDED COMPOSITES
  1507 1704 1801 1805 1809
  GS  COMPOSITE MATERIALS
      .FIBER COMPOSITES
      .#BRAIDED COMPOSITES
  RT  CARBON FIBER REINFORCED PLASTICS
      EPOXY MATRIX COMPOSITES
      GRAPHITE-EPOXY COMPOSITES
      REINFORCING FIBERS
      THREE DIMENSIONAL COMPOSITES
      WOVEN COMPOSITES
```

```
BRAILLE
  3405
  RT    BLINDNESS
        EMBOSSING

BRAIN
  0401 0404 0408 0410 0503
  GS    ANATOMY
        .NERVOUS SYSTEM
        ..CENTRAL NERVOUS SYSTEM
        ..#BRAIN
        ....BRAIN STEM
        ....CEREBELLUM
        ....CEREBRAL VENTRICLES
        ....CEREBRUM
        .....CEREBRAL CORTEX
        .....OCCIPITAL LOBES
        ....DIENCEPHALON
        .....HYPOTHALAMUS
        .....PINEAL GLAND
        .....THALAMUS
        ....HIPPOCAMPUS
  RT    ANGIOGRAPHY
        BRAIN CIRCULATION
        BRAIN DAMAGE
        CEREBROSPINAL FLUID
        ECHOENCEPHALOGRAPHY
        ELECTROENCEPHALOGRAPHY
        ENCEPHALITIS
        HEAD (ANATOMY)
        INFORMATION PROCESSING (BIOLOGY)
        INTRACRANIAL PRESSURE
        NEUROGLIA
        NEUROLOGY
        PITUITARY GLAND
        PSYCHIATRY
        PSYCHOLOGY
        RHEOENCEPHALOGRAPHY
        SPINAL CORD

BRAIN CIRCULATION
  0404 0408
  GS    CIRCULATION
        .BLOOD CIRCULATION
        .#BRAIN CIRCULATION
  RT    BRAIN
        RHEOENCEPHALOGRAPHY

BRAIN DAMAGE
  0405
  GS    INJURIES
        #BRAIN DAMAGE
  RT    BRAIN

BRAIN STEM
  0404
  GS    ANATOMY
        .NERVOUS SYSTEM
        ..CENTRAL NERVOUS SYSTEM
        ...BRAIN
        ...#BRAIN STEM

% BRAKES
  0203 0208 0303 1504
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    BRAKES (FOR ARRESTING MOTION)
        BRAKES (FORMING OR BENDING)

BRAKES (FOR ARRESTING MOTION)
  0104 0208
  UF    DECELERATORS
        DRAGULATORS
  GS   #BRAKES (FOR ARRESTING MOTION)
        .AERODYNAMIC BRAKES
        ..BALLUTES
        ..DRAG CHUTES
        ..PARAVULCOONS
        ..SPLIT FLAPS
        ..WING FLAPS
        ...LEADING EDGE FLAPS
        ...LEADING EDGE SLATS
        ...TRAILING EDGE FLAPS
        ...VORTEX FLAPS
        .AIRCRAFT BRAKES
        ..SPLIT FLAPS
        ..WING FLAPS
        ...LEADING EDGE SLATS
        ...TRAILING EDGE FLAPS
        .WHEEL BRAKES
  RT    ABORT APPARATUS
        ANTISKID DEVICES
      % ARRESTERS
        ARRESTING GEAR
      % BRAKES
        BRAKING
        CYLINDRICAL CHAMBERS
        DRAG DEVICES
        FLAPS (CONTROL SURFACES)
        LANDING GEAR
        NOSE WHEELS
        PARACHUTES
        RETARDERS (DEVICES)
        THRUST REVERSAL
        TOWED BODIES
        VEHICLE WHEELS
        WHEELS

BRAKES (FORMING OR BENDING)
  1504 1507
  RT %  BRAKES
        METAL WORKING

BRAKING
  0208 0303 1504
  RT    BRAKES (FOR ARRESTING MOTION)
        DECELERATION
        EDDY CURRENTS
        RETARDERS (DEVICES)
        RETARDING
        THRUST REVERSAL

BRANCHING (MATHEMATICS)
  1902 0802
  UF    BIFURCATION (MATHEMATICS)
  GS   #BRANCHING (MATHEMATICS)
        .PERIOD DOUBLING
  RT    CHAOS
        FUNCTIONS (MATHEMATICS)
      % LOGIC
        MATHEMATICAL LOGIC
        SET THEORY
        SWITCHING THEORY

BRANCHING (PHYSICS)
  2311
  RT    BIFURCATION (BIOLOGY)
      % PHYSICS

BRASSES
  1701 1704
  GS    ALLOYS
        .COPPER ALLOYS
        .#BRASSES

BRAVAIS CRYSTALS
  2601
  GS    CRYSTALS
        #BRAVAIS CRYSTALS
  RT    CRYSTAL GROWTH
        CRYSTAL LATTICES
        CRYSTAL STRUCTURE
        PACKING DENSITY
        SINGLE CRYSTALS

BRAYTON CYCLE
  0303 2805 3303 3304 3501
  GS    CYCLES
        .THERMODYNAMIC CYCLES
        .#BRAYTON CYCLE
  RT    GAS TURBINE ENGINES
        GAS TURBINES
        RANKINE CYCLE
```

```
      SOLAR DYNAMIC POWER SYSTEMS

BRAZIL
  1305
  GS   NATIONS
       #BRAZIL
  RT   AMAZON REGION (SOUTH AMERICA)
       BRAZILIAN SPACE PROGRAM
       SOUTH AMERICA

BRAZILIAN SPACE PROGRAM
  3409
  GS   PROGRAMS
       .SPACE PROGRAMS
       .#BRAZILIAN SPACE PROGRAM
  RT   BRAZIL

BRAZING
  1504 1507 1704
  GS   WELDING
       .FUSION WELDING
       ..GAS WELDING
       ..#BRAZING
       ....LOW TEMPERATURE BRAZING
  RT   FLUXES
     % JOINING
       METAL BONDING
       SEALING
       SOLDERING
       ULTRASONIC SOLDERING

BRAZZAVILLE
  USE  CONGO (BRAZZAVILLE)

BREADBOARD MODELS
  0902 0905
  GS   MODELS
       #BREADBOARD MODELS
  RT   CIRCUITS
       PRINTED CIRCUITS
       PRODUCT DEVELOPMENT
       PROTOTYPES

BREAKAWAY
  USE  BOUNDARY LAYER SEPARATION

% BREAKDOWN
  0905 3405
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT TERMS LISTED
       BELOW)
  RT   CLASSIFICATIONS
       ELECTRICAL FAULTS
       FAILURE
       GAPS
       METAL WORKING
       SYSTEM FAILURES

BREAKERS (ELECTRIC)
  USE  CIRCUIT BREAKERS

BREAKING
  3407
  RT   DESTRUCTION
       FRAGMENTATION
     % SEPARATION

BREAKUP (SPACECRAFT)
  USE  SPACECRAFT BREAKUP

BREAKWATERS
  1310 2003
  UF   JETTIES
       SEA WALLS
  RT   CONCRETE STRUCTURES
       HARBORS
       LITTORAL DRIFT
       LITTORAL TRANSPORT
       OCEANOGRAPHY
       STRUCTURAL DESIGN
     % STRUCTURES
       UNDERWATER ENGINEERING
       UNDERWATER STRUCTURES
       WATER WAVES
     % WAVES

% BREATHING
  0404 0412 0501 0504
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   ARGON-OXYGEN ATMOSPHERES
       BREATHING APPARATUS
       BREATHING VIBRATION
       EMERGENCY BREATHING TECHNIQUES
       EXPIRATION
       HELIUM-OXYGEN ATMOSPHERES
       HIGH ALTITUDE BREATHING
       HYPERCAPNIA
       HYPERPNEA
       OXYGEN BREATHING
       RESPIRATION
       RESPIRATORY REFLEXES

BREATHING APPARATUS
  0401 0501 0504
  GS  #BREATHING APPARATUS
       .OXYGEN MASKS
       .UNDERWATER BREATHING APPARATUS
  RT % BREATHING
     % EQUIPMENT
       FIRE FIGHTING
       LIFE SUPPORT SYSTEMS
       OXYGEN SUPPLY EQUIPMENT
       PORTABLE LIFE SUPPORT SYSTEMS
       RESPIRATORS

BREATHING VIBRATION
  0101 0201 3203
  GS   VIBRATION
       .STRUCTURAL VIBRATION
       .#BREATHING VIBRATION
  RT   BENDING VIBRATION
     % BREATHING
       EXHAUSTING
       MISSILE VIBRATION
       VENTING

BRECCIA
  1305 1306
  GS   ROCKS
       #BRECCIA
  RT   ATAXITE
       IGNEOUS ROCKS
       REGOLITH
       SEDIMENTARY ROCKS
       SOILS

BREEDER REACTORS
  2204
  GS   NUCLEAR REACTORS
       #BREEDER REACTORS
       ..EXPERIMENTAL BREEDER REACTOR 1
       ..EXPERIMENTAL BREEDER REACTOR 2
       ..LIGHT WATER BREEDER REACTORS
       ..LIQUID METAL FAST BREEDER
         REACTORS
  RT   ENRICO FERMI ATOMIC POWER PLANT
       NUCLEAR POWER REACTORS

BREEDING (REPRODUCTION)
  0402 0404
  RT   FERTILITY
       GENETICS
       HEREDITY
       REPRODUCTION (BIOLOGY)

BREGUET AIRCRAFT
  0209 3401
  GS  #BREGUET AIRCRAFT
       .BREGUET 940 AIRCRAFT
       .BREGUET 941 AIRCRAFT
       .BREGUET 1150 AIRCRAFT
  RT % AIRCRAFT
       JAGUAR AIRCRAFT
```

```
BREGUET 940 AIRCRAFT
  0209
  GS    BREGUET AIRCRAFT
        #BREGUET 940 AIRCRAFT
        MONOPLANES
        #BREGUET 940 AIRCRAFT
        RESEARCH AIRCRAFT
        #BREGUET 940 AIRCRAFT
        V/STOL AIRCRAFT
        .SHORT TAKEOFF AIRCRAFT
        .#BREGUET 940 AIRCRAFT
  RT % AIRCRAFT

BREGUET 941 AIRCRAFT
  0209
  GS    BREGUET AIRCRAFT
        #BREGUET 941 AIRCRAFT
        JET AIRCRAFT
        .TURBOPROP AIRCRAFT
        .#BREGUET 941 AIRCRAFT
        MONOPLANES
        #BREGUET 941 AIRCRAFT
        PASSENGER AIRCRAFT
        #BREGUET 941 AIRCRAFT
        TRANSPORT AIRCRAFT
        .CARGO AIRCRAFT
        .#BREGUET 941 AIRCRAFT
        V/STOL AIRCRAFT
        .SHORT TAKEOFF AIRCRAFT
        .#BREGUET 941 AIRCRAFT
  RT % AIRCRAFT

BREGUET 1150 AIRCRAFT
  0207 3401
  UF    ATLANTIC AIRCRAFT
  GS    ANTISUBMARINE WARFARE AIRCRAFT
        #BREGUET 1150 AIRCRAFT
        ATTACK AIRCRAFT
        #BREGUET 1150 AIRCRAFT
        BREGUET AIRCRAFT
        #BREGUET 1150 AIRCRAFT
        JET AIRCRAFT
        .TURBOPROP AIRCRAFT
        .#BREGUET 1150 AIRCRAFT
        MONOPLANES
        #BREGUET 1150 AIRCRAFT
        OBSERVATION AIRCRAFT
        #BREGUET 1150 AIRCRAFT
        RECONNAISSANCE AIRCRAFT
        #BREGUET 1150 AIRCRAFT
  RT % AIRCRAFT

BREMSSTRAHLUNG
  2402 2403 2903
  GS    ELECTROMAGNETIC RADIATION
        #BREMSSTRAHLUNG
  RT    CERENKOV RADIATION
        DIFFRACTION RADIATION
        ELECTRON PHOTON CASCADES
        ELECTRON RADIATION
        FAR ULTRAVIOLET RADIATION
        GAMMA RAY BURSTS
        GAMMA RAYS
        NUCLEAR RADIATION
        RELATIVISTIC PLASMAS
        SYNCHROTRON RADIATION
        X RAYS

BREWSTER ANGLE
  0710 2306 2310 2402
  GS    GEOMETRY
        .EUCLIDEAN GEOMETRY
        ..ANGLES (GEOMETRY)
        ..#BREWSTER ANGLE
  RT    POLARIZATION CHARACTERISTICS
        REFLECTION
        REFRACTIVITY

BRICKS
  1801 1805
  GS    MASONRY
        #BRICKS
  RT    CEMENTS
        CERAMICS
        CLAYS
      % CONSTRUCTION MATERIALS
        MORTARS (MATERIAL)

% BRIDGES
  0902 0904 1406
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    BRIDGES (LANDFORMS)
        BRIDGES (STRUCTURES)
        ELECTRIC BRIDGES
        LIQUID BRIDGES

BRIDGES (LANDFORMS)
  1306
  GS    LANDFORMS
        #BRIDGES (LANDFORMS)
  RT % BRIDGES
        GEOLOGY
      % RIDGES

BRIDGES (STRUCTURES)
  3202 3404
  RT % BRIDGES
        CONSTRUCTION
        CONSTRUCTION INDUSTRY
        CROSSINGS
        CROSSOVERS
        HIGHWAYS
        RAMPS (STRUCTURES)
      % STRUCTURES
        TOWERS

BRIDGMAN METHOD
  2601 3303
  RT    CRYSTAL GROWTH
      % METHODOLOGY
        SINGLE CRYSTALS

BRIGHTNESS
  1308 1407 2306 2903 3001
  GS    ELECTROMAGNETIC PROPERTIES
        .OPTICAL PROPERTIES
        .#BRIGHTNESS
  RT    BISTATIC REFLECTIVITY
        BRIGHTNESS DISTRIBUTION
        COLOR
        DIMMING
        EMISSIVITY
        FLUX (RATE)
        GLARE
        HUMAN FACTORS ENGINEERING
        ILLUMINANCE
        ILLUMINATING
        INCANDESCENCE
      % INTENSITY
        LIGHT (VISIBLE RADIATION)
        LIMB BRIGHTENING
        LUMINANCE
        LUMINESCENCE
        LUMINOSITY
        LUMINOUS INTENSITY
        LUSTER
        RADIANCE
        RADIANT FLUX DENSITY
        REFLECTANCE
        SKY BRIGHTNESS
        STELLAR LUMINOSITY
        VISIBILITY
        VISION

BRIGHTNESS DISCRIMINATION
  0605 1407 2306 2310
  GS    DISCRIMINATION
        .SENSORY DISCRIMINATION
        .#BRIGHTNESS DISCRIMINATION
  RT % ILLUMINATION
        VISUAL PERCEPTION
```

```
BRIGHTNESS DISTRIBUTION
  1407 3009
  GS   DISTRIBUTION (PROPERTY)
       #BRIGHTNESS DISTRIBUTION
       ELECTROMAGNETIC PROPERTIES
       .OPTICAL PROPERTIES
       .#BRIGHTNESS DISTRIBUTION
       STATISTICAL DISTRIBUTIONS
       #BRIGHTNESS DISTRIBUTION
  RT   ASTROPHYSICS
       BLACK BODY RADIATION
       BRIGHTNESS
       BRIGHTNESS TEMPERATURE
     % DISTRIBUTION
       GALACTIC RADIATION
       PHOTOGRAPHY
       RADIANT FLUX DENSITY
       RADIO ASTRONOMY
       SOLAR GRANULATION
       STELLAR LUMINOSITY

BRIGHTNESS TEMPERATURE
  1407 1408 3001
  GS   TEMPERATURE
       #BRIGHTNESS TEMPERATURE
  RT   ASTROPHYSICS
       BLACK BODY RADIATION
       BRIGHTNESS DISTRIBUTION
       LIMB BRIGHTENING
       METEOROLOGY
       PHOTOGRAPHY
       RADIO ASTRONOMY
       TEMPERATURE MEASUREMENT

BRILLOUIN EFFECT
  0710 1411 2306 2310 2402
  RT % EFFECTS
       FREQUENCY SHIFT
       LIGHT SCATTERING
       MONOCHROMATIC RADIATION

BRILLOUIN FLOW
  2401 2403 2405
  GS   ELECTRIC CURRENT
       #BRILLOUIN FLOW
  RT   BEAM CURRENTS
       ELECTRON BEAMS
       ELECTRON OPTICS
     % FLOW
       TRAVELING WAVE TUBES

BRILLOUIN ZONES
  0710 1704 2402 2601
  GS   REGIONS
       #BRILLOUIN ZONES
  RT   BAND STRUCTURE OF SOLIDS
       CONDUCTION BANDS
       CRYSTAL LATTICES
       FERMI SURFACES
       FREE ELECTRONS

BRILLOUIN-WIGNER EQUATION
  2403 2603
  RT % EQUATIONS

BRINES
  0404 0603 1310
  RT   COOLANTS
       REFRIGERANTS
       SALINITY
       SALT BATHS
       SALT BEDS
       SEA WATER

BRIQUETS
  1504 3203
  RT   BLANKS
       PELLETS
       TABLETS

BRISTOL-SIDDELEY BS 53 ENGINE
  2805
  UF   PEGASUS ENGINE
  GS   ENGINES
       .AIR BREATHING ENGINES
       ..GAS TURBINE ENGINES
       ...JET ENGINES
       ....TURBOJET ENGINES
       .....TURBOFAN ENGINES
       .....#BRISTOL-SIDDELEY BS 53 ENGINE
       .INTERNAL COMBUSTION ENGINES
       ..GAS TURBINE ENGINES
       ...JET ENGINES
       ....TURBOJET ENGINES
       .....TURBOFAN ENGINES
       .....#BRISTOL-SIDDELEY BS 53 ENGINE
       .TURBINE ENGINES
       ..GAS TURBINE ENGINES
       ...JET ENGINES
       ....TURBOJET ENGINES
       .....TURBOFAN ENGINES
       .....#BRISTOL-SIDDELEY BS 53 ENGINE
  RT   P-1127 AIRCRAFT

BRISTOL-SIDDELEY OLYMPUS 593 ENGINE
  2805
  GS   ENGINES
       .AIR BREATHING ENGINES
       ..GAS TURBINE ENGINES
       ...JET ENGINES
       ....TURBOJET ENGINES
       ....#BRISTOL-SIDDELEY OLYMPUS 593
            ENGINE
       .INTERNAL COMBUSTION ENGINES
       ..GAS TURBINE ENGINES
       ...JET ENGINES
       ....TURBOJET ENGINES
       ....#BRISTOL-SIDDELEY OLYMPUS 593
            ENGINE
       .TURBINE ENGINES
       ..GAS TURBINE ENGINES
       ...JET ENGINES
       ....TURBOJET ENGINES
       ....#BRISTOL-SIDDELEY OLYMPUS 593
            ENGINE

BRISTOL-SIDDELEY VIPER ENGINE
  2805
  GS   ENGINES
       .AIR BREATHING ENGINES
       ..GAS TURBINE ENGINES
       ...JET ENGINES
       ....TURBOJET ENGINES
       ....#BRISTOL-SIDDELEY VIPER ENGINE
       .INTERNAL COMBUSTION ENGINES
       ..GAS TURBINE ENGINES
       ...JET ENGINES
       ....TURBOJET ENGINES
       ....#BRISTOL-SIDDELEY VIPER ENGINE
       .TURBINE ENGINES
       ..GAS TURBINE ENGINES
       ...JET ENGINES
       ....TURBOJET ENGINES
       ....#BRISTOL-SIDDELEY VIPER ENGINE

BRITISH AIRCRAFT CORP AIRCRAFT
  USE  BAC AIRCRAFT

BRITISH COLUMBIA
  1305
  GS   NATIONS
       .CANADA
       .#BRITISH COLUMBIA

BRITISH GUINEA
  USE  GUYANA

BRITISH HONDURAS
  USE  BELIZE

BRITTLE MATERIALS
  1704 1801 1804
  RT   CLEAVAGE
       CRACKING (FRACTURING)
       EMBRITTLEMENT
```

```
        FRACTURE STRENGTH
        GRANULAR MATERIALS
        HARDNESS
        IMPACT STRENGTH
      % MATERIALS
        POROUS MATERIALS

BRITTLENESS
  1704 2601 3204 3408
  GS    MECHANICAL PROPERTIES
        #BRITTLENESS
  RT    CHARPY IMPACT TEST
        CLEAVAGE
        COLD HARDENING
        CRACK CLOSURE
        CRACK INITIATION
        CRACK PROPAGATION
        CRACKING (FRACTURING)
        DUCTILE-BRITTLE TRANSITION
        DUCTILITY
        EMBRITTLEMENT
        FRACTOGRAPHY
        FRACTURE STRENGTH
        FRACTURING
        HARDNESS
        IMPACT STRENGTH
        IMPACT TESTS
        NOTCH STRENGTH
        NOTCH TESTS
        TOUGHNESS
        WELDABILITY

BROADBAND
  0701 0905
  UF    WIDEBAND
  GS    BANDWIDTH
        #BROADBAND
        FREQUENCIES
        #BROADBAND
  RT %  BANDS
      % FREQUENCY RESPONSE
        LOG PERIODIC ANTENNAS
        NARROWBAND
        SPIRAL ANTENNAS

BROADBAND AMPLIFIERS
  0701 0905
  GS    AMPLIFIERS
        #BROADBAND AMPLIFIERS
  RT    BANDWIDTH
        FREQUENCIES
        WIDEBAND COMMUNICATION

BROADCASTING
  0702 0705
  UF    RADIO BROADCASTING
  GS    TELECOMMUNICATION
        #BROADCASTING
  RT    COMMUNICATION NETWORKS
        DIRECT BROADCAST SATELLITES
        RADIO COMMUNICATION
        RADIO EQUIPMENT
        RADIO SIGNALS
        RADIO TRANSMISSION
        SYMPHONIE SATELLITES
        TRANSMISSION
        VOICE OF AMERICA

BROKEN SYMMETRY
  1902 3009
  UF    SYMMETRY BREAKING
  GS    SYMMETRY
        #BROKEN SYMMETRY
  RT    GRAND UNIFIED THEORY
        MATHEMATICAL MODELS
        SUPERGRAVITY
        SUPERSYMMETRY
        THEORETICAL PHYSICS

BROMATES
  0603 1804
  GS    HALOGEN COMPOUNDS
        .BROMINE COMPOUNDS
        .#BROMATES
  RT %  OXYGEN COMPOUNDS

BROMIDES
  0603 1804
  GS    HALOGEN COMPOUNDS
        .BROMINE COMPOUNDS
        .#BROMIDES
        ...AMMONIUM BROMIDES
        ...CESIUM BROMIDES
        ...CHROMIUM BROMIDES
        ...DIBROMIDES
        ...HYDROBROMIC ACID
        ...HYDROBROMIDES
        ...MAGNESIUM BROMIDES
        ...POTASSIUM BROMIDES
        ...SILVER BROMIDES
        ...SODIUM BROMIDES
        ...STRONTIUM BROMIDES
        .HALIDES
        .#BROMIDES
        ...AMMONIUM BROMIDES
        ...CESIUM BROMIDES
        ...CHROMIUM BROMIDES
        ...DIBROMIDES
        ...HYDROBROMIC ACID
        ...HYDROBROMIDES
        ...MAGNESIUM BROMIDES
        ...POTASSIUM BROMIDES
        ...SILVER BROMIDES
        ...SODIUM BROMIDES
        ...STRONTIUM BROMIDES
  RT    SALT BEDS

BROMINATION
  0403 0602 0603
  GS    CHEMICAL REACTIONS
        .HALOGENATION
        .#BROMINATION

BROMINE
  0603 1807
  GS    CHEMICAL ELEMENTS
        .HALOGENS
        .#BROMINE
        ...BROMINE ISOTOPES

BROMINE COMPOUNDS
  0403 0603 1804 1808
  GS    HALOGEN COMPOUNDS
        #BROMINE COMPOUNDS
        ..BROMATES
        ..BROMIDES
        ...AMMONIUM BROMIDES
        ...CESIUM BROMIDES
        ...CHROMIUM BROMIDES
        ...DIBROMIDES
        ...HYDROBROMIC ACID
        ...HYDROBROMIDES
        ...MAGNESIUM BROMIDES
        ...POTASSIUM BROMIDES
        ...SILVER BROMIDES
        ...SODIUM BROMIDES
        ...STRONTIUM BROMIDES
  RT %  CHEMICAL COMPOUNDS
        HALOCARBONS
        POLYBROMINATED BIPHENYLS

BROMINE ISOTOPES
  1807 2406
  UF    BROMINE 82
        BROMINE 87
  GS    CHEMICAL ELEMENTS
        .HALOGENS
        ..BROMINE
        ..#BROMINE ISOTOPES
        .NUCLIDES
        ..ISOTOPES
        ..#BROMINE ISOTOPES

BROMINE 82
  USE   BROMINE ISOTOPES
```

```
BROMINE 87
  USE  BROMINE ISOTOPES

BRONCHI
  0404 0405
  UF   BRONCHIAL TUBES
  GS   ANATOMY
       .RESPIRATORY SYSTEM
       .#BRONCHI
  RT   LUNGS
       TRACHEA
     % TUBES

BRONCHIAL TUBES
  USE  BRONCHI

BRONZES
  1701 1704
  GS   ALLOYS
       .COPPER ALLOYS
       .#BRONZES

BRORSEN-METCALF COMET
  1901 3001
  GS   CELESTIAL BODIES
       .COMETS
       .#BRORSEN-METCALF COMET
  RT   SOLAR SYSTEM

BROTHS
  0505
  RT % FOOD
       NUTRITION

BROWN DWARF STARS
  3001 3009
  GS   CELESTIAL BODIES
       .STARS
       .#BROWN DWARF STARS
  RT   COMPANION STARS
       COOL STARS
       DWARF STARS
       PROTOSTARS
       STELLAR EVOLUTION

BROWN WAVE EFFECT
  0409
  RT   ANNUAL VARIATIONS
       BOTANY
       CHLOROPHYLLS
     % EFFECTS
       FOLIAGE
       LEAVES

BROWNIAN MOVEMENTS
  2404 3304
  RT   COLLOIDS
       DISPERSIONS
       EINSTEIN EQUATIONS
       EMULSIONS
       FOKKER-PLANCK EQUATION
     % MOTION
     % SUSPENSIONS

BRUCETON TEST
  USE  STATISTICAL TESTS

BRUCITE
  1806 2601
  GS   CHALCOGENIDES
       .OXIDES
       .#BRUCITE
       MAGNESIUM COMPOUNDS
       #BRUCITE
       MINERALS
       #BRUCITE

BRUDERHEIM METEORITE
  3005
  GS   CELESTIAL BODIES
       .METEORITES
       ..STONY METEORITES
       ...CHONDRITES
       ...#BRUDERHEIM METEORITE

BRUNEI
  1305
  GS   NATIONS
       #BRUNEI
  RT   ASIA

BRUNT-VAISALA FREQUENCY
  1301
  GS   CONSTRAINTS
       .METEOROLOGICAL PARAMETERS
       .#BRUNT-VAISALA FREQUENCY
       FREQUENCIES
       #BRUNT-VAISALA FREQUENCY
  RT   AIR CURRENTS
       AIR FLOW
       AIR MASSES
       ATMOSPHERIC CIRCULATION
       ATMOSPHERIC PHYSICS
       ATMOSPHERIC STRATIFICATION
       OSCILLATIONS

BRUSH (BOTANY)
  0409
  UF   SCRUBS (BOTANY)
  GS   PLANTS (BOTANY)
       #BRUSH (BOTANY)
       ..CHAPARRAL
  RT   BOTANY
       DEFOLIATION
       EARTH RESOURCES
       GUAYULE
       HERBICIDES

BRUSH SEALS
  1501
  GS   SEALS (STOPPERS)
       #BRUSH SEALS
  RT   LEAKAGE

BRUSHES
  0904 1504
  GS  #BRUSHES
       .BRUSHES (ELECTRICAL CONTACTS)
  RT   ELECTRIC CONTACTS
       ELECTRIC GENERATORS
       ELECTRIC MOTORS

BRUSHES (ELECTRICAL CONTACTS)
  0904
  GS   BRUSHES
       #BRUSHES (ELECTRICAL CONTACTS)
  RT   ELECTRIC CONTACTS
       ELECTRIC GENERATORS
       ELECTRIC MOTORS

BRYOPHYTES
  0404 0409
  UF   LIVERWORTS
       MOSSES
  GS   PLANTS (BOTANY)
       #BRYOPHYTES

BSCCO SUPERCONDUCTORS
  1002
  UF   BI-SR-CA-CU-O SUPERCONDUCTORS
  GS   CHALCOGENIDES
       .OXIDES
       ..METAL OXIDES
       ...MIXED OXIDES
       ...#BSCCO SUPERCONDUCTORS
       CONDUCTORS
       .SUPERCONDUCTORS
       ..HIGH TEMPERATURE SUPERCONDUCTORS
       ..#BSCCO SUPERCONDUCTORS
  RT   BISMUTH OXIDES
       CALCIUM OXIDES
       COPPER OXIDES
       STRONTIUM OXIDES
       SUPERCONDUCTING FILMS
```

```
BSX
  3302
  GS    EXPLOSIVES
        #BSX
  RT    NITROMETHANE

BUBBLE CHAMBERS
  1106 2403 2405
  GS    IONIZATION CHAMBERS
        #BUBBLE CHAMBERS
  RT %  CHAMBERS
        CLOUD CHAMBERS
        ELEMENTARY PARTICLES
        PARTICLE TRAJECTORIES
        RADIATION COUNTERS
        SPARK CHAMBERS

BUBBLE MEMORY DEVICES
  0801 2307
  GS    COMPUTER STORAGE DEVICES
        #BUBBLE MEMORY DEVICES
        MAGNETIC STORAGE
        #BUBBLE MEMORY DEVICES
  RT    BINARY DATA
        COMPUTER COMPONENTS
        CORE STORAGE
        DATA PROCESSING
        DATA RECORDERS
        DATA RECORDING
        DATA STORAGE
        MAGNETIC CORES
        MAGNETIC DOMAINS
        MAGNETIC RECORDING
        MAGNETIC SWITCHING

BUBBLE TECHNIQUE
  0202 1410
  GS    TECHNOLOGIES
        #BUBBLE TECHNIQUE
  RT    DATA RECORDERS
        ELECTRONIC EQUIPMENT
        FLIGHT INSTRUMENTS
      % INSTRUMENTS
        MAGNETIC DOMAINS
        ONBOARD EQUIPMENT
        RECORDING INSTRUMENTS
        SEMICONDUCTOR DEVICES
        SOLID STATE DEVICES
        SPACECRAFT INSTRUMENTS

BUBBLES
  0603 1201 1202 1203
  RT    AERATION
        CAVITATION FLOW
        COANDA EFFECT
        EFFERVESCENCE
        FOAMS
        METAL FOAMS
        WAKES

BUCCANEER AIRCRAFT
  0207 3401
  UF    B-103 AIRCRAFT
        BLACKBURN B-103 AIRCRAFT
  GS    ATTACK AIRCRAFT
        #BUCCANEER AIRCRAFT
        HAWKER SIDDELEY AIRCRAFT
        #BUCCANEER AIRCRAFT
        JET AIRCRAFT
        #BUCCANEER AIRCRAFT
        MONOPLANES
        #BUCCANEER AIRCRAFT
  RT %  AIRCRAFT
        HARRIER AIRCRAFT

BUCKET BRIGADE DEVICES
  0906 1002 1704 1804 2602 2603
  GS    ELECTRONIC EQUIPMENT
        .SOLID STATE DEVICES
        ..SEMICONDUCTOR DEVICES
        ...CHARGE TRANSFER DEVICES
        ...#BUCKET BRIGADE DEVICES
  RT    CHARGE COUPLED DEVICES
        SEMICONDUCTORS (MATERIALS)

% BUCKETS
  0505 1103 1502 1703 1805 3202
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    BOXES (CONTAINERS)
      % CAPSULES
        DRUMS (CONTAINERS)
        TRAYS
        TURBOMACHINE BLADES

BUCKEYE AIRCRAFT
  USE   T-2 AIRCRAFT

BUCKLING
  3204 3407
  GS   #BUCKLING
        .CREEP BUCKLING
        .ELASTIC BUCKLING
        .EULER BUCKLING
        .THERMAL BUCKLING
  RT    BENDING
        COLLAPSE
        COMPRESSION LOADS
        DEFORMATION
        DISTORTION
        DONNELL EQUATIONS
        FAILURE
        FAILURE MODES
        FLANGE WRINKLING
        HEAVING
      % RIDGES
        SHELL STABILITY
        STRESSES
        STRUCTURAL FAILURE
        STRUCTURAL STRAIN
        TEMPERATURE INVERSIONS
        TORSION
        TWISTING
        WARPAGE
        WRINKLING

BUCKMINSTERFULLERENE
  0603 1601
  GS    FULLERENES
        #BUCKMINSTERFULLERENE
  RT    CARBON
        GRAPHITE
        MOLECULES
        POLYATOMIC MOLECULES
        POLYHEDRONS

BUDGETING
  3402
  RT    ACCOUNTING
        ALLOCATIONS
        APPROPRIATIONS
      % BUDGETS
        COST ANALYSIS
        COST EFFECTIVENESS
        COST ESTIMATES
        ECONOMIC FACTORS
        ESTIMATING
        FINANCIAL MANAGEMENT
        FORECASTING
        GRANTS
        INCOME
        MISSION PLANNING
        PLANNING
        PROCUREMENT MANAGEMENT
        PROJECT PLANNING
        REVENUE

% BUDGETS
  3402 3406
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    BUDGETING
```

EARTH RADIATION BUDGET
ENERGY BUDGETS
ENGINEERING MANAGEMENT
FEDERAL BUDGETS
FOREIGN POLICY
HEAT BUDGET
PROCUREMENT MANAGEMENT
RESEARCH MANAGEMENT

BUFFALO AIRCRAFT
USE DHC 5 AIRCRAFT

BUFFER STORAGE
0802
GS COMPUTER STORAGE DEVICES
#BUFFER STORAGE
RT % BUFFERS
CORE STORAGE
DATA STORAGE
% STORAGE

% BUFFERS
0603 0802
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT BUFFER STORAGE
BUFFERS (CHEMISTRY)

BUFFERS (CHEMISTRY)
0603
RT BASES (CHEMICAL)
% BUFFERS
CHEMICAL EQUILIBRIUM
NEUTRALIZERS
PH

BUFFETING
0101
RT AERODYNAMIC STABILITY
AIRCRAFT STABILITY
BOUNDARY LAYER CONTROL
COMPRESSIBILITY EFFECTS
FLIGHT CHARACTERISTICS
FLUTTER
OSCILLATING FLOW
SHAKING
SPACECRAFT MOTION
SPACECRAFT STABILITY
STROUHAL NUMBER
TURBULENCE EFFECTS
VORTEX AVOIDANCE

BUILDING MATERIALS
USE CONSTRUCTION MATERIALS

BUILDING STRUCTURES
USE BUILDINGS

BUILDINGS
3202 3404
UF BUILDING STRUCTURES
RT ARCHITECTURE
BASEMENTS
CEILINGS (ARCHITECTURE)
CHIMNEYS
CONSTRUCTION
CONSTRUCTION INDUSTRY
FLOORS
GREENHOUSES
HANGARS
INDOOR AIR POLLUTION
INFLATABLE STRUCTURES
MISSILE SILOS
MUSEUMS
ROOFS
SHELTERS
SOLAR HOUSES
STAIRWAYS
STARSITE PROGRAM
WALLS

BULBS
0409 0904 1407 2306
RT LUMINAIRES
PLANT ROOTS
PRESSURE VESSELS
SYRINGES

BULGARIA
1305
GS NATIONS
#BULGARIA
RT BLACK SEA
EUROPE

BULGING
0902 1001 1002
GS METAL WORKING
#BULGING
RT DEEP DRAWING
DIMPLING
EXPLOSIVE FORMING
FORGING
HOT WORKING
MAGNETIC FORMING
METAL DRAWING
STRETCH FORMING

BULK ACOUSTIC WAVE DEVICES
1202
UF B-A-W DEVICES
RT % DEVICES
SURFACE ACOUSTIC WAVE DEVICES
TRANSDUCERS

BULK MODULUS
1202 1203
GS MECHANICAL PROPERTIES
#BULK MODULUS
RT COMPRESSIBILITY
DENSITY (MASS/VOLUME)

BULKHEADS
0102 2806 3202
GS WALLS
#BULKHEADS
RT % BARRIERS
END PLATES
HULLS (STRUCTURES)
PARTITIONS (STRUCTURES)
REINFORCEMENT (STRUCTURES)
THICK WALLS
THIN WALLS

BULLPUP B MISSILE
3101 3401
RT LR-62-RM-2 ENGINE

BULLPUP MISSILES
0101 3401
GS MISSILES
.AIR TO SURFACE MISSILES
.#BULLPUP MISSILES
RT LR-62-RM-2 ENGINE

BUMBLEBEE PROJECT
3401
GS MISSILES
#BUMBLEBEE PROJECT
PROGRAMS
.PROJECTS
.#BUMBLEBEE PROJECT
RT TALOS MISSILE
TARTAR MISSILE
TERRIER MISSILE
TYPHON WEAPON SYSTEM

BUMPERS
0202 1103 1502 1504 3201
RT CUSHIONS
METEOROID PROTECTION
METEOROIDS
PROTECTORS

```
BUMPY TORUSES
  1502
  RT    FUSION REACTORS
        PLASMA CONTROL
        PLASMA HEATING
        TOKAMAK DEVICES
        TOROIDAL PLASMAS

BUNA (TRADEMARK)
  1808 1810
  GS    RUBBER
        .SYNTHETIC RUBBERS
        .#BUNA (TRADEMARK)
  RT    BUTADIENE
        STYRENES

BUNCHING
  1002
  GS   #BUNCHING
        .ELECTRON BUNCHING
  RT    QUEUEING THEORY
        SPACE CHARGE
        VELOCITY MODULATION

BUNDLE DRAWING
  1704 3404 3407
  RT % DRAWING
        METAL DRAWING

BUNDLES
  1502 1902 3201
  RT % CONTAINERS
        PACKAGES
        UMBILICAL CONNECTORS
        WIRING

BUNKERS (FUEL)
  1103 3401
  GS    TANKS (CONTAINERS)
        #BUNKERS (FUEL)
  RT    FUEL SYSTEMS

BUOYANCY
  1202 1203 1204
  RT    ACOUSTIC LEVITATION
        AEROSTATICS
        BALLAST (MASS)
        DENSITY (MASS/VOLUME)
        FLOATING
        GAS DENSITY
        LEVITATION
        MECHANICAL PROPERTIES
        NEUTRAL BUOYANCY SIMULATION
     % PHYSICAL PROPERTIES
        POROSITY
        RAYLEIGH NUMBER
        VOIDS

BUOYS
  2103 3202
  RT    BEACONS
        COMPASSES
        FLOATS
     % MARKERS
        NAVIGATION AIDS
        OCEAN DATA ACQUISITIONS SYSTEMS

BURAN SPACE SHUTTLE
  3104 3105 3110 3409 0202
  GS    MANNED SPACECRAFT
        .SPACE SHUTTLES
        .#BURAN SPACE SHUTTLE
        REENTRY VEHICLES
        .RECOVERABLE SPACECRAFT
        ..REUSABLE SPACECRAFT
        ...SPACE SHUTTLES
        ...#BURAN SPACE SHUTTLE
        SOFT LANDING SPACECRAFT
        #BURAN SPACE SHUTTLE
        SOVIET SPACECRAFT
        #BURAN SPACE SHUTTLE
  RT    AEROSPACE PLANES
        U.S.S.R. SPACE PROGRAM

BUREAUS (ORGANIZATIONS)
  3402 3406 3409
  GS    INSTITUTIONS
        #BUREAUS (ORGANIZATIONS)
        ORGANIZATIONS
        .FEDERATIONS
        .#BUREAUS (ORGANIZATIONS)
  RT    PROGRAMS
        PROJECTS
        TEAMS
        UNIVERSITY PROGRAM

BURETTES
  0603
  GS    MEASURING INSTRUMENTS
        #BURETTES
  RT    GLASSWARE
        PIPETTES
     % TUBES

BURGER EQUATION
  1202 1203
  GS    ANALYSIS (MATHEMATICS)
        .REAL VARIABLES
        ..DIFFERENTIAL EQUATIONS
        ...PARTIAL DIFFERENTIAL EQUATIONS
        ...#BURGER EQUATION
  RT    CONTINUUM MECHANICS
     % EQUATIONS
        NAVIER-STOKES EQUATION
        SHOCK WAVE PROPAGATION

BURKINA
  1305
  UF    UPPER VOLTA
  GS    NATIONS
        #BURKINA
  RT    AFRICA

BURMA
  1305
  GS    NATIONS
        #BURMA
  RT    ASIA

BURN-IN
  0801
  RT    FAILURE
        FAILURE ANALYSIS
        INTEGRATED CIRCUITS
        QUALITY CONTROL

BURNERS
  1504
  RT    AFTERBURNING
        CHEMICAL REACTORS
        COMBUSTION CHAMBERS
        DIFFUSION WELDING
        FUEL INJECTION
        FURNACES
        INCINERATORS
        WASTE ENERGY UTILIZATION

BURNING
  USE   COMBUSTION

BURNING PROCESS
  USE   COMBUSTION

BURNING RATE
  0603 2701 2702 3301 3302
  GS    RATES (PER TIME)
        #BURNING RATE
  RT    BURNOUT
        COMBUSTION
        COMBUSTION CONTROL
        COMBUSTION EFFICIENCY
        COMBUSTION STABILITY
        EXPLOSIVES
        FLAME PROPAGATION
        FLAMMABILITY
```

FUEL CONSUMPTION
FUEL-AIR RATIO
FUELS
PRESSURE DEPENDENCE
PROPELLANT GRAINS
PROPELLANTS
SOLID PROPELLANT COMBUSTION
SOLID PROPELLANT ROCKET ENGINES
SOLID ROCKET PROPELLANTS
VELOCITY COUPLING

BURNING TIME
3102 3301
UF FIRING TIME
GS TIME
#BURNING TIME
RT COMBUSTION
COMBUSTION EFFICIENCY
FIRING (IGNITING)
FLIGHT OPTIMIZATION
FLIGHT TIME
ROCKET ENGINES
ROCKET FIRING
TESTING TIME
THRUST
WINDOWS (INTERVALS)

BURNOUT
1504 3303 3305
SN (LIMITED TO TERMINATION OF COMBUSTION IN A ROCKET ENGINE BECAUSE OF EXHAUSTION OF THE PROPELLANT)
RT BOOSTER ROCKET ENGINES
BURNING RATE
COMBUSTION
% CUT-OFF
EROSIVE BURNING
EXTINGUISHING
SOLID PROPELLANT ROCKET ENGINES
THRUST TERMINATION

BURNS (INJURIES)
0405 0508
GS INJURIES
#BURNS (INJURIES)
RT CRASH INJURIES
FIRES
LASER DAMAGE
LESIONS
RADIATION INJURIES

BURNTHROUGH (FAILURE)
1504 3303 3305 3501
GS FAILURE
#BURNTHROUGH (FAILURE)
RT ABLATION
DAMAGE
MELTING
PERFORATING

BURST TESTS
1704
GS DESTRUCTIVE TESTS
#BURST TESTS
RT CONTAINMENT
FAILURE ANALYSIS
FRACTURE MECHANICS
FRACTURE STRENGTH
% MATERIALS TESTS
PRESSURE VESSELS

BURSTS
0203 0301 2702 3301 3302 3304 3009
GS #BURSTS
.GAMMA RAY BURSTS
.RADIO BURSTS
..SOLAR RADIO BURSTS
...TYPE 2 BURSTS
...TYPE 3 BURSTS
...TYPE 4 BURSTS
...TYPE 5 BURSTS
RT % DISTURBANCES
EMISSION
EXPLOSIONS
FRAGMENTATION
IMPLOSIONS
RUPTURING

BURUNDI
1305
UF RUANDA-URUNDI
GS NATIONS
#BURUNDI
RT AFRICA
RWANDA

BUS CONDUCTORS
0902 0904
GS CONDUCTORS
#BUS CONDUCTORS
RT ELECTRIC WIRE
FLAT CONDUCTORS
POWER LINES
% POWER TRANSMISSION

BUSHINGS
0904 1501 1503
RT BEARINGS
INSERTS
LININGS
SHAFTS (MACHINE ELEMENTS)
SPACERS

BUSINESS MANAGEMENT
USE INDUSTRIAL MANAGEMENT

BUTADIENE
0403 1808
UF VINYL ETHYLENE
GS ORGANIC COMPOUNDS
.HYDROCARBONS
..ALIPHATIC HYDROCARBONS
...DIENES
...#BUTADIENE
RT BUNA (TRADEMARK)
HYDROCARBON FUELS
POLYBUTADIENE

BUTANES
1808
UF ISOBUTANE
GS ORGANIC COMPOUNDS
.HYDROCARBONS
..ALIPHATIC HYDROCARBONS
...ALKANES
...#BUTANES
RT PETROLEUM PRODUCTS

BUTENES
0403 1808
UF BUTYLENE
ISOBUTYLENE
GS ORGANIC COMPOUNDS
.HYDROCARBONS
..ALIPHATIC HYDROCARBONS
...ALKENES
...#BUTENES

BUTT JOINTS
1507 1704 3204
GS JOINTS (JUNCTIONS)
#BUTT JOINTS
RT LAP JOINTS
METAL JOINTS
RIVETED JOINTS
SOLDERED JOINTS
WELDED JOINTS

BUTTERFLY VALVES
1504
GS VALVES
#BUTTERFLY VALVES
..DAMPERS (VALVES)

```
BUTTES
  1306
  GS    LANDFORMS
        .TERRACES (LANDFORMS)
        ..PLATEAUS
        ...MESAS
        ...#BUTTES

% BUTTONS
  0508 0801 0904 0905 1504
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    MANUAL CONTROL

BUTYLENE
  USE   BUTENES

BUTYLENE OXIDES
  USE   TETRAHYDROFURAN

BUTYRIC ACID
  0403 1808
  GS    ACIDS
        #BUTYRIC ACID
  RT    FERMENTATION

BY-PRODUCTS
  0602 3404
  RT    MATERIALS RECOVERY
        PRODUCTS
        REACTION PRODUCTS
        WASTES

BYPASS RATIO
  1902
  RT    AIR INTAKES
        ENGINE INLETS
        FLOW GEOMETRY
        HYPERSONIC INLETS
        INLET AIRFRAME CONFIGURATIONS
        INLET FLOW
        INLET NOZZLES
        INTAKE SYSTEMS
        NOSE INLETS
        SIDE INLETS
        SUPERSONIC INLETS

BYPASSES
  0303 0702 0904 1202 1501
  UF    SHUNTS
  RT    DIVERTERS
        RELIEF VALVES

C (PROGRAMMING LANGUAGE)
  0802
  GS    LANGUAGES
        .PROGRAMMING LANGUAGES
        ..HIGH LEVEL LANGUAGES
        ..#C (PROGRAMMING LANGUAGE)
        ....C++ (PROGRAMMING LANGUAGE)
  RT    COMPILERS
        COMPUTER PROGRAMMING
        EXPERT SYSTEMS

C BAND
  0705
  SN    (3.9 TO 6.2 GHZ)
  GS    FREQUENCIES
        .RADIO FREQUENCIES
        ..MICROWAVE FREQUENCIES
        ..#C BAND
  RT    MILLIMETER WAVES
        SUPERHIGH FREQUENCIES

C STARS
  USE   CARBON STARS

C++ (PROGRAMMING LANGUAGE)
  0802
  GS    LANGUAGES
        .PROGRAMMING LANGUAGES
        ..HIGH LEVEL LANGUAGES
        ...C (PROGRAMMING LANGUAGE)
        ...#C++ (PROGRAMMING LANGUAGE)
  RT    OBJECT-ORIENTED PROGRAMMING

C-M DIAGRAM
  USE   COLOR-MAGNITUDE DIAGRAM

C-1A AIRCRAFT
  0201 0207 3401
  UF    TRADER AIRCRAFT
  GS    GRUMMAN AIRCRAFT
        #C-1A AIRCRAFT
        TRANSPORT AIRCRAFT
        .CARGO AIRCRAFT
        .#C-1A AIRCRAFT
  RT %  AIRCRAFT
     %  MILITARY AIRCRAFT

C-2 AIRCRAFT
  0207 3401
  UF    COD AIRCRAFT
  GS    GRUMMAN AIRCRAFT
        #C-2 AIRCRAFT
        JET AIRCRAFT
        .TURBOPROP AIRCRAFT
        .#C-2 AIRCRAFT
        MONOPLANES
        #C-2 AIRCRAFT
        TRANSPORT AIRCRAFT
        .CARGO AIRCRAFT
        .#C-2 AIRCRAFT
  RT %  AIRCRAFT

C-5 AIRCRAFT
  0207 3401
  UF    GALAXY AIRCRAFT
        LOCKHEED C-5 AIRCRAFT
  GS    JET AIRCRAFT
        #C-5 AIRCRAFT
        LOCKHEED AIRCRAFT
        #C-5 AIRCRAFT
        TRANSPORT AIRCRAFT
        .CARGO AIRCRAFT
        .#C-5 AIRCRAFT
  RT %  AIRCRAFT
        TURBOFAN ENGINES

C-8A AUGMENTOR WING AIRCRAFT
  0202
  GS    JET AIRCRAFT
        #C-8A AUGMENTOR WING AIRCRAFT
        RESEARCH AIRCRAFT
        #C-8A AUGMENTOR WING AIRCRAFT
        TRANSPORT AIRCRAFT
        .SHORT HAUL AIRCRAFT
        .#C-8A AUGMENTOR WING AIRCRAFT
        V/STOL AIRCRAFT
        .SHORT TAKEOFF AIRCRAFT
        .#C-8A AUGMENTOR WING AIRCRAFT
  RT %  AIRCRAFT

C-9 AIRCRAFT
  0207 3401
  GS    JET AIRCRAFT
        #C-9 AIRCRAFT
        MCDONNELL DOUGLAS AIRCRAFT
        .DOUGLAS AIRCRAFT
        .#C-9 AIRCRAFT
        .MCDONNELL AIRCRAFT
        .#C-9 AIRCRAFT
        TRANSPORT AIRCRAFT
        .CARGO AIRCRAFT
        .#C-9 AIRCRAFT
  RT %  AIRCRAFT
        EVACUATING (TRANSPORTATION)

C-15 AIRCRAFT
  0201 0204 0207
  UF    YC-15 AIRCRAFT
  GS    V/STOL AIRCRAFT
        .SHORT TAKEOFF AIRCRAFT
        .#C-15 AIRCRAFT
```

RT % AIRCRAFT

C-33 AIRCRAFT
0204
UF BEECH C-33 AIRCRAFT
DEBONAIR AIRCRAFT
GS BEECHCRAFT AIRCRAFT
.BEECH 99 AIRCRAFT
.#C-33 AIRCRAFT
GENERAL AVIATION AIRCRAFT
#C-33 AIRCRAFT
LIGHT AIRCRAFT
.BEECH 99 AIRCRAFT
.#C-33 AIRCRAFT
MONOPLANES
#C-33 AIRCRAFT
PASSENGER AIRCRAFT
#C-33 AIRCRAFT
RT % AIRCRAFT

C-35 AIRCRAFT
0204
UF BEECH S-35 AIRCRAFT
BONANZA AIRCRAFT
GS BEECHCRAFT AIRCRAFT
.BEECH 99 AIRCRAFT
.#C-35 AIRCRAFT
GENERAL AVIATION AIRCRAFT
#C-35 AIRCRAFT
LIGHT AIRCRAFT
.BEECH 99 AIRCRAFT
.#C-35 AIRCRAFT
MONOPLANES
#C-35 AIRCRAFT
PASSENGER AIRCRAFT
#C-35 AIRCRAFT
RT % AIRCRAFT

C-46 AIRCRAFT
0204 0207 3401
UF COMMANDO AIRCRAFT
CURTISS C-46 AIRCRAFT
GS CURTISS-WRIGHT AIRCRAFT
#C-46 AIRCRAFT
MONOPLANES
#C-46 AIRCRAFT
PASSENGER AIRCRAFT
#C-46 AIRCRAFT
TRANSPORT AIRCRAFT
.CARGO AIRCRAFT
.#C-46 AIRCRAFT
RT % AIRCRAFT

C-47 AIRCRAFT
0207
UF DAKOTA AIRCRAFT
GS MCDONNELL DOUGLAS AIRCRAFT
.DOUGLAS AIRCRAFT
.#C-47 AIRCRAFT
MONOPLANES
#C-47 AIRCRAFT
TRANSPORT AIRCRAFT
.CARGO AIRCRAFT
.#C-47 AIRCRAFT
RT % AIRCRAFT

C-54 AIRCRAFT
0207 3401
UF R5D AIRCRAFT
SKYMASTER AIRCRAFT
GS MCDONNELL DOUGLAS AIRCRAFT
.DOUGLAS AIRCRAFT
.#C-54 AIRCRAFT
MONOPLANES
#C-54 AIRCRAFT
TRANSPORT AIRCRAFT
.CARGO AIRCRAFT
.#C-54 AIRCRAFT
RT % AIRCRAFT

C-118 AIRCRAFT
0207 3401
GS MCDONNELL DOUGLAS AIRCRAFT
.DOUGLAS AIRCRAFT
.#C-118 AIRCRAFT
MONOPLANES
#C-118 AIRCRAFT
TRANSPORT AIRCRAFT
.CARGO AIRCRAFT
.#C-118 AIRCRAFT
RT % AIRCRAFT

C-119 AIRCRAFT
0207 3401
GS FAIRCHILD-HILLER AIRCRAFT
#C-119 AIRCRAFT
JET AIRCRAFT
#C-119 AIRCRAFT
TRANSPORT AIRCRAFT
.CARGO AIRCRAFT
.#C-119 AIRCRAFT
RT % AIRCRAFT

C-121 AIRCRAFT
0204 0207
UF LOCKHEED CONSTELLATION AIRCRAFT
R7V AIRCRAFT
GS LOCKHEED AIRCRAFT
#C-121 AIRCRAFT
MONOPLANES
#C-121 AIRCRAFT
TRANSPORT AIRCRAFT
.CARGO AIRCRAFT
.#C-121 AIRCRAFT
RT % AIRCRAFT
EC-121 AIRCRAFT

C-123 AIRCRAFT
0207 3401
UF PROVIDER AIRCRAFT
YC-123 AIRCRAFT
GS FAIRCHILD-HILLER AIRCRAFT
#C-123 AIRCRAFT
MONOPLANES
#C-123 AIRCRAFT
TRANSPORT AIRCRAFT
.CARGO AIRCRAFT
.#C-123 AIRCRAFT
V/STOL AIRCRAFT
.SHORT TAKEOFF AIRCRAFT
.#C-123 AIRCRAFT
RT % AIRCRAFT

C-124 AIRCRAFT
0207 3401
GS MCDONNELL DOUGLAS AIRCRAFT
.DOUGLAS AIRCRAFT
.#C-124 AIRCRAFT
MONOPLANES
#C-124 AIRCRAFT
TRANSPORT AIRCRAFT
.CARGO AIRCRAFT
.#C-124 AIRCRAFT
RT % AIRCRAFT

C-130 AIRCRAFT
0207 3401
UF GC-130 AIRCRAFT
HERCULES AIRCRAFT
JC-130 AIRCRAFT
KC-130 AIRCRAFT
NC-130 AIRCRAFT
GS JET AIRCRAFT
.TURBOPROP AIRCRAFT
.#C-130 AIRCRAFT
LOCKHEED AIRCRAFT
#C-130 AIRCRAFT
MONOPLANES
#C-130 AIRCRAFT
TRANSPORT AIRCRAFT
.CARGO AIRCRAFT
.#C-130 AIRCRAFT
RT % AIRCRAFT
T-56 ENGINE

```
C-131 AIRCRAFT
  0207 3401
  UF   SAMARITAN AIRCRAFT
  GS   GENERAL DYNAMICS AIRCRAFT
       #C-131 AIRCRAFT
       MONOPLANES
       #C-131 AIRCRAFT
       TRANSPORT AIRCRAFT
       .CARGO AIRCRAFT
       .#C-131 AIRCRAFT
  RT % AIRCRAFT

C-133 AIRCRAFT
  0207 3401
  UF   CARGOMASTER AIRCRAFT
  GS   JET AIRCRAFT
       .TURBOPROP AIRCRAFT
       .#C-133 AIRCRAFT
       MCDONNELL DOUGLAS AIRCRAFT
       .DOUGLAS AIRCRAFT
       .#C-133 AIRCRAFT
       MONOPLANES
       #C-133 AIRCRAFT
       TRANSPORT AIRCRAFT
       .CARGO AIRCRAFT
       .#C-133 AIRCRAFT
  RT % AIRCRAFT
       T-34 ENGINE

C-135 AIRCRAFT
  0207 3401
  UF   KC-135 AIRCRAFT
       STRATOTANKER AIRCRAFT
  GS   BOEING AIRCRAFT
       #C-135 AIRCRAFT
       JET AIRCRAFT
       #C-135 AIRCRAFT
       MONOPLANES
       #C-135 AIRCRAFT
       TRANSPORT AIRCRAFT
       .CARGO AIRCRAFT
       .#C-135 AIRCRAFT
  RT   ADVANCED RANGE INSTRUMENTATION
       AIRCRAFT
     % AIRCRAFT
       TURBOFAN AIRCRAFT

C-140 AIRCRAFT
  0207 3401
  UF   JET STAR AIRCRAFT
  GS   JET AIRCRAFT
       #C-140 AIRCRAFT
       LOCKHEED AIRCRAFT
       #C-140 AIRCRAFT
       MONOPLANES
       #C-140 AIRCRAFT
       TRANSPORT AIRCRAFT
       .CARGO AIRCRAFT
       .#C-140 AIRCRAFT
       UTILITY AIRCRAFT
       #C-140 AIRCRAFT
  RT % AIRCRAFT

C-141 AIRCRAFT
  0207 3401
  UF   STARLIFTER AIRCRAFT
  GS   JET AIRCRAFT
       .TURBOFAN AIRCRAFT
       .#C-141 AIRCRAFT
       LOCKHEED AIRCRAFT
       #C-141 AIRCRAFT
       MONOPLANES
       #C-141 AIRCRAFT
       TRANSPORT AIRCRAFT
       .CARGO AIRCRAFT
       .#C-141 AIRCRAFT
  RT % AIRCRAFT
       KUIPER AIRBORNE OBSERVATORY
       TURBOFAN ENGINES

C-142 AIRCRAFT
  USE  XC-142 AIRCRAFT

C-160 AIRCRAFT
  0204
  UF   TRANSALL C-160 AIRCRAFT
  GS   HAMBURGER AIRCRAFT
       #C-160 AIRCRAFT
       JET AIRCRAFT
       .TURBOPROP AIRCRAFT
       .#C-160 AIRCRAFT
       MONOPLANES
       #C-160 AIRCRAFT
       NORD AIRCRAFT
       #C-160 AIRCRAFT
       TRANSPORT AIRCRAFT
       .CARGO AIRCRAFT
       .#C-160 AIRCRAFT
  RT % AIRCRAFT
       TURBOPROP ENGINES

CABIN ATMOSPHERES
  0401 0504 0506 0507 3104
  GS   CONTROLLED ATMOSPHERES
       #CABIN ATMOSPHERES
       ..SPACECRAFT CABIN ATMOSPHERES
  RT   AIRCRAFT COMPARTMENTS
     % ATMOSPHERES
       COCKPITS
       ENVIRONMENTAL CONTROL
       OXYGEN SUPPLY EQUIPMENT
       PRESSURIZED CABINS
       SPACE CAPSULES

% CABINS
  0202 0504 0506 0507 3104
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   AIRCRAFT COMPARTMENTS
       COCKPITS
       PRESSURIZED CABINS
       SPACECRAFT CABINS

CABLE FORCE RECORDERS
  0202 0905 1409 3204
  GS   RECORDING INSTRUMENTS
       #CABLE FORCE RECORDERS
  RT % RECORDERS
       STRAIN GAGES
       TENSIOMETERS

CABLE TELEVISION
  0701 0702 0705 0708 1412
  UF   CATV
  GS   TELEVISION SYSTEMS
       #CABLE TELEVISION
  RT   CLOSED CIRCUIT TELEVISION
       COMMUNICATION CABLES
       TELEVISION TRANSMISSION

% CABLES
  0202 0701 0904 0905 1103 1504 3202
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   CABLES (ROPES)
       COAXIAL CABLES
       COMMUNICATION CABLES
       POWER LINES
       SUBMARINE CABLES
       TETHERLINES
       TRANSMISSION LINES

CABLES (ROPES)
  1103
  RT % BELTS
     % CABLES
       CHAINS
       CORDAGE
       FASTENERS
       REELS
       STRANDS
       TOWING
       WIRE
```

```
CAD (DESIGN)
  USE  COMPUTER AIDED DESIGN

CADASTRAL MAPPING
  1303
  GS   MAPPING
       #CADASTRAL MAPPING
  RT   GEOGRAPHY
       MAPS
       THEMATIC MAPPING

CADMIUM
  0603 1703
  GS   CHEMICAL ELEMENTS
       #CADMIUM
       ..CADMIUM ISOTOPES
       METALS
       .TRANSITION METALS
       .#CADMIUM
       ...CADMIUM ISOTOPES

CADMIUM ALLOYS
  1701 1704
  GS   ALLOYS
       #CADMIUM ALLOYS
  RT   BEARING ALLOYS

CADMIUM ANTIMONIDES
  0603 1804
  GS   ANTIMONY COMPOUNDS
       .ANTIMONIDES
       .#CADMIUM ANTIMONIDES
       CADMIUM COMPOUNDS
       #CADMIUM ANTIMONIDES

CADMIUM CHLORIDES
  0603 1804
  GS   CADMIUM COMPOUNDS
       #CADMIUM CHLORIDES
       HALOGEN COMPOUNDS
       .CHLORINE COMPOUNDS
       ..CHLORIDES
       ..#CADMIUM CHLORIDES
       .HALIDES
       ..CHLORIDES
       ..#CADMIUM CHLORIDES
       ..METAL HALIDES
       ..#CADMIUM CHLORIDES

CADMIUM COMPOUNDS
  0603 1804
  GS  #CADMIUM COMPOUNDS
       .CADMIUM ANTIMONIDES
       .CADMIUM CHLORIDES
       .CADMIUM FLUORIDES
       .CADMIUM SELENIDES
       .CADMIUM SULFIDES
       .CADMIUM TELLURIDES
  RT % CHEMICAL COMPOUNDS
     % GROUP 2B COMPOUNDS
     % METAL COMPOUNDS

CADMIUM FLUORIDES
  0603 1804
  GS   CADMIUM COMPOUNDS
       #CADMIUM FLUORIDES
       HALOGEN COMPOUNDS
       .FLUORINE COMPOUNDS
       ..FLUORIDES
       ...METAL FLUORIDES
       ...#CADMIUM FLUORIDES

CADMIUM ISOTOPES
  1703 2406
  UF   CADMIUM 114
  GS   CHEMICAL ELEMENTS
       .CADMIUM
       .#CADMIUM ISOTOPES
       .NUCLIDES
       ..ISOTOPES
       ..#CADMIUM ISOTOPES
       METALS
       .TRANSITION METALS
       ..CADMIUM
       ..#CADMIUM ISOTOPES

CADMIUM MERCURY TELLURIDES
  USE  MERCURY CADMIUM TELLURIDES

CADMIUM NICKEL BATTERIES
  USE  NICKEL CADMIUM BATTERIES

CADMIUM SELENIDES
  0603 1804
  GS   CADMIUM COMPOUNDS
       #CADMIUM SELENIDES
       CHALCOGENIDES
       .SELENIDES
       .#CADMIUM SELENIDES
       SELENIUM COMPOUNDS
       .SELENIDES
       .#CADMIUM SELENIDES

CADMIUM SILVER BATTERIES
  USE  SILVER CADMIUM BATTERIES

CADMIUM SULFIDES
  0603 1804
  GS   CADMIUM COMPOUNDS
       #CADMIUM SULFIDES
       CHALCOGENIDES
       .SULFIDES
       ..INORGANIC SULFIDES
       ..#CADMIUM SULFIDES
       SULFUR COMPOUNDS
       .SULFIDES
       ..INORGANIC SULFIDES
       ..#CADMIUM SULFIDES

CADMIUM TELLURIDES
  0603 1804
  GS   CADMIUM COMPOUNDS
       #CADMIUM TELLURIDES
       CHALCOGENIDES
       .TELLURIDES
       .#CADMIUM TELLURIDES
       TELLURIUM COMPOUNDS
       .TELLURIDES
       .#CADMIUM TELLURIDES

CADMIUM 114
  USE  CADMIUM ISOTOPES

CAFFEINE
  0403 0405 1808
  GS   BASES (CHEMICAL)
       .ALKALOIDS
       .#CAFFEINE
       DRUGS
       .STIMULANTS
       .#CAFFEINE
       FUNGICIDES
       .XANTHINES
       .#CAFFEINE
       NITROGEN COMPOUNDS
       .ALKALOIDS
       .#CAFFEINE
       .XANTHINES
       .#CAFFEINE
       ORGANIC COMPOUNDS
       .CYCLIC COMPOUNDS
       ..HETEROCYCLIC COMPOUNDS
       ...ALKALOIDS
       ...#CAFFEINE
       ...PURINES
       ....XANTHINES
       ....#CAFFEINE

CAI
  USE  COMPUTER ASSISTED INSTRUCTION

CAISSONS
  1106 1310
  RT   CONSTRUCTION
```

```
      FOUNDATIONS

CAJUN ROCKET VEHICLE
  3106
  GS   ROCKET VEHICLES
       .SOUNDING ROCKETS
       .#CAJUN ROCKET VEHICLE
  RT   NIKE-CAJUN ROCKET VEHICLE
       SOLID PROPELLANT ROCKET ENGINES
       SONDES

CALCIFEROL
  0403
  UF   VITAMIN D
  GS   ORGANIC COMPOUNDS
       .LIPIDS
       .#CALCIFEROL
       VITAMINS
       #CALCIFEROL

CALCIFICATION
  0404 0602 1804
  RT   ARTHRITIS
       BONES

CALCINATION
  USE  ROASTING

CALCITE
  1806 2601
  GS   CALCIUM COMPOUNDS
       .CALCIUM CARBONATES
       .#CALCITE
       CARBON COMPOUNDS
       .CARBONATES
       ..CALCIUM CARBONATES
       ..#CALCITE
       MINERALS
       #CALCITE
  RT   ARAGONITE
       BIREFRINGENCE

CALCIUM
  1703
  GS   CHEMICAL ELEMENTS
       #CALCIUM
       ..CALCIUM ISOTOPES
       METALS
       #CALCIUM
       ..CALCIUM ISOTOPES
  RT   CALMODULIN
       GYPSUM

CALCIUM CARBONATES
  0603 1804 1806
  GS   CALCIUM COMPOUNDS
       #CALCIUM CARBONATES
       ..AKERMANITE
       ..ARAGONITE
       ..CALCITE
       ..CHALK
       CARBON COMPOUNDS
       .CARBONATES
       .#CALCIUM CARBONATES
       ...AKERMANITE
       ...ARAGONITE
       ...CALCITE
       ...CHALK
  RT   BONE MINERAL CONTENT
       LIMESTONE

CALCIUM CHLORIDES
  0603 1804
  GS   CALCIUM COMPOUNDS
       #CALCIUM CHLORIDES
       HALOGEN COMPOUNDS
       .CHLORINE COMPOUNDS
       ..CHLORIDES
       ..#CALCIUM CHLORIDES
       .HALIDES
       ..CHLORIDES
       ..#CALCIUM CHLORIDES
       ..METAL HALIDES
       ..#CALCIUM CHLORIDES

CALCIUM COMPOUNDS
  0403 0603 1804 1808
  GS  #CALCIUM COMPOUNDS
       .CALCIUM CARBONATES
       ..AKERMANITE
       ..ARAGONITE
       ..CALCITE
       ..CHALK
       .CALCIUM CHLORIDES
       .CALCIUM FLUORIDES
       ..FLUORSPAR
       .CALCIUM OXIDES
       ..AKERMANITE
       .CALCIUM PHOSPHATES
       .CALCIUM SILICATES
       ..GEHLENITE
       .CALCIUM SULFIDES
       .CALCIUM TUNGSTATES
       .CALCIUM VANADATES
       .FLUORITE
       .MERWINITE
       .MONTICELLITE
       .PEROVSKITES
       .SCHEELITE
  RT % ALKALINE EARTH COMPOUNDS
     % CHEMICAL COMPOUNDS
     % METAL COMPOUNDS

CALCIUM FLUORIDES
  0603 1804
  GS   CALCIUM COMPOUNDS
       #CALCIUM FLUORIDES
       ..FLUORSPAR
       HALOGEN COMPOUNDS
       .FLUORINE COMPOUNDS
       ..FLUORIDES
       ...DIFLUORIDES
       ...#CALCIUM FLUORIDES
       .....FLUORSPAR
       ...METAL FLUORIDES
       ...#CALCIUM FLUORIDES
       .HALIDES
       ..FLUORIDES
       ...DIFLUORIDES
       ...#CALCIUM FLUORIDES
       .....FLUORSPAR

CALCIUM ISOTOPES
  1703 2406
  UF   CALCIUM 45
  GS   CHEMICAL ELEMENTS
       .CALCIUM
       .#CALCIUM ISOTOPES
       .NUCLIDES
       ..ISOTOPES
       ..#CALCIUM ISOTOPES
       METALS
       .CALCIUM
       .#CALCIUM ISOTOPES

CALCIUM METABOLISM
  0403 0404
  GS   METABOLISM
       #CALCIUM METABOLISM
  RT   BED REST
       CALMODULIN
       OSTEOPOROSIS
       PARATHYROID GLAND
       THYROID GLAND

CALCIUM OXIDES
  0603 1804
  UF   LIME
  GS   CALCIUM COMPOUNDS
       #CALCIUM OXIDES
       ..AKERMANITE
       CHALCOGENIDES
       .OXIDES
       ..METAL OXIDES
       ...ALKALINE EARTH OXIDES
```

...#CALCIUM OXIDES
.....AKERMANITE
RT BSCCO SUPERCONDUCTORS

CALCIUM PHOSPHATES
0603 1804
UF APATITES
GS CALCIUM COMPOUNDS
#CALCIUM PHOSPHATES
PHOSPHORUS COMPOUNDS
.PHOSPHATES
.#CALCIUM PHOSPHATES
RT BONE MINERAL CONTENT

CALCIUM SILICATES
0603 1804
GS CALCIUM COMPOUNDS
#CALCIUM SILICATES
..GEHLENITE
SILICON COMPOUNDS
.SILICATES
.#CALCIUM SILICATES
...GEHLENITE
RT AMPHIBOLES
MINERALS

CALCIUM SULFIDES
0603 1804
GS CALCIUM COMPOUNDS
#CALCIUM SULFIDES
CHALCOGENIDES
.SULFIDES
..INORGANIC SULFIDES
..#CALCIUM SULFIDES
SULFUR COMPOUNDS
.SULFIDES
..INORGANIC SULFIDES
..#CALCIUM SULFIDES

CALCIUM TUNGSTATES
0603 1804
GS CALCIUM COMPOUNDS
#CALCIUM TUNGSTATES
TUNGSTEN COMPOUNDS
.TUNGSTATES
.#CALCIUM TUNGSTATES

CALCIUM VANADATES
0603 1804
GS CALCIUM COMPOUNDS
#CALCIUM VANADATES
VANADIUM COMPOUNDS
.VANADATES
.#CALCIUM VANADATES

CALCIUM 45
USE CALCIUM ISOTOPES

CALCULATION
USE COMPUTATION

CALCULATORS
0801 3404
RT ARITHMETIC
COMPUTATION
COMPUTERS

CALCULI
0404
UF RENAL CALCULI
GS DEPOSITS
#CALCULI
..DENTAL CALCULI
RT LITHIASIS
UROLITHIASIS

CALCULUS
1902 1903
SN (LIMITED TO MATHEMATICS)
GS ANALYSIS (MATHEMATICS)
#CALCULUS
..CONTINUITY (MATHEMATICS)
..DIFFERENTIAL CALCULUS
..FOURIER-BESSEL TRANSFORMATIONS
..GRAEFF CALCULUS
..INTEGRAL CALCULUS
..LIMITS (MATHEMATICS)
..SERIES (MATHEMATICS)
...ASYMPTOTIC SERIES
...CAMPBELL-HAUSDORFF SERIES
...COSINE SERIES
...FOURIER SERIES
...PADE APPROXIMATION
...POWER SERIES
....TAYLOR SERIES
.....MACLAURIN SERIES
...PROGRESSIONS
...PRONY SERIES
...SINE SERIES
..VECTOR ANALYSIS
...COLLINEARITY
...COPLANARITY
...CURL (VECTORS)
....VORTICITY
RT ANALYTIC GEOMETRY
ASYMPTOTES
DIFFERENTIAL EQUATIONS
FUNCTIONS (MATHEMATICS)
% MATHEMATICS
MONOTONE FUNCTIONS
OPERATIONAL CALCULUS
REAL VARIABLES

CALCULUS OF VARIATIONS
1902
UF VARIATION METHOD
GS ANALYSIS (MATHEMATICS)
.REAL VARIABLES
.#CALCULUS OF VARIATIONS
RT BIOT METHOD
CASTIGLIANO VARIATIONAL THEOREM
DIFFERENTIAL EQUATIONS
EULER-LAGRANGE EQUATION
INTEGRAL EQUATIONS
INVARIANT IMBEDDINGS
JACOBI MATRIX METHOD
MAXIMA
OPERATIONAL CALCULUS
PONTRYAGIN PRINCIPLE
STEEPEST DESCENT METHOD
VARIATIONAL PRINCIPLES

CALDERAS
1306 1308 3001
GS LANDFORMS
#CALDERAS
RT CONES (VOLCANOES)
CRATERS
LAVA
MARS VOLCANOES
VOLCANOES
VOLCANOLOGY

CALENDARS
1406
GS #CALENDARS
.CROP CALENDARS
RT MONTH
SCHEDULING
TIME

CALIBRATING
1406 3407 3501
UF GRADUATION
GS #CALIBRATING
.WIND TUNNEL CALIBRATION
RT ACCURACY
INSTRUMENT COMPENSATION
INSTRUMENT ERRORS
MEASURING INSTRUMENTS
% SCALING
SOLAR CELL CALIBRATION FACILITY
STANDARDIZATION
STANDARDS
TEMPERATURE SCALES

```
CALIFORNIA
  1305
  GS   NATIONS
       .UNITED STATES
       .#CALIFORNIA
  RT   CASCADE RANGE (CA-OR-WA)
       COACHELLA VALLEY (CA)
       COASTAL RANGES (CA)
       DEATH VALLEY (CA)
       FEATHER RIVER BASIN (CA)
       GREAT BASIN (US)
       IMPERIAL VALLEY (CA)
       LAKE TAHOE (CA-NV)
       MOJAVE DESERT (CA)
       MONTEREY BAY (CA)
       PALO VERDE VALLEY (CA)
       PENINSULAR RANGES (CA)
       SACRAMENTO VALLEY (CA)
       SALTON SEA (CA)
       SAN ANDREAS FAULT
       SAN FRANCISCO (CA)
       SAN FRANCISCO BAY (CA)
       SAN JOAQUIN VALLEY (CA)
       SAN PABLO BAY (CA)
       SIERRA NEVADA MOUNTAINS (CA)
       SOUTHERN CALIFORNIA

CALIFORNIUM
  0603 1703 2406
  GS   CHEMICAL ELEMENTS
       .ACTINIDE SERIES
       ..TRANSURANIUM ELEMENTS
       ..#CALIFORNIUM
       ....CALIFORNIUM ISOTOPES
       .NUCLIDES
       ..ISOTOPES
       ...RADIOACTIVE ISOTOPES
       ....TRANSURANIUM ELEMENTS
       ....#CALIFORNIUM
       ......CALIFORNIUM ISOTOPES
       METALS
       .ACTINIDE SERIES
       ..TRANSURANIUM ELEMENTS
       ..#CALIFORNIUM
       ....CALIFORNIUM ISOTOPES
  RT   CALIFORNIUM COMPOUNDS

CALIFORNIUM COMPOUNDS
  0603 1703 2406
  GS   ACTINIDE SERIES COMPOUNDS
       #CALIFORNIUM COMPOUNDS
  RT   CALIFORNIUM

CALIFORNIUM ISOTOPES
  0603 2406
  UF   CALIFORNIUM 252
  GS   CHEMICAL ELEMENTS
       .ACTINIDE SERIES
       ..TRANSURANIUM ELEMENTS
       ...CALIFORNIUM
       ...#CALIFORNIUM ISOTOPES
       .NUCLIDES
       ..ISOTOPES
       ...RADIOACTIVE ISOTOPES
       ....TRANSURANIUM ELEMENTS
       .....CALIFORNIUM
       .....#CALIFORNIUM ISOTOPES
       METALS
       .ACTINIDE SERIES
       ..TRANSURANIUM ELEMENTS
       ...CALIFORNIUM
       ...#CALIFORNIUM ISOTOPES

CALIFORNIUM 252
  USE  CALIFORNIUM ISOTOPES

CALLISTO
  3001
  GS   CELESTIAL BODIES
       .NATURAL SATELLITES
       ..ICY SATELLITES
       ..#CALLISTO
       ..JUPITER SATELLITES
       ...GALILEAN SATELLITES
       ...#CALLISTO
  RT   CHARON
       GANYMEDE
       IO
       JUPITER (PLANET)

CALMODULIN
  0403 0406 1808
  GS   BIOPOLYMERS
       .PROTEINS
       .#CALMODULIN
       ORGANIC COMPOUNDS
       .PROTEINS
       .#CALMODULIN
  RT   CALCIUM
       CALCIUM METABOLISM
       CYTOPLASM
       GRAVITROPISM
       REGULATORY MECHANISMS (BIOLOGY)

CALORIC REQUIREMENTS
  0404 0405 0408
  GS   NUTRITIONAL REQUIREMENTS
       #CALORIC REQUIREMENTS
  RT   DIETS
     % FOOD
       METABOLISM
       MINERAL METABOLISM
     % NUTRIENTS
       NUTRITION

CALORIC STIMULI
  0404 0408
  RT % STIMULI

CALORIMETERS
  1408
  UF   MICROCALORIMETERS
  GS   MEASURING INSTRUMENTS
       #CALORIMETERS
       ..BOMB CALORIMETERS
       ..DROP CALORIMETERS
       ..FLAME CALORIMETERS
  RT   HEAT MEASUREMENT
       HIGH TEMPERATURE TESTS
       SCINTILLATING FIBERS
       TEMPERATURE MEASURING INSTRUMENTS

CALORIMETRY
  USE  HEAT MEASUREMENT

CALUTRONS
  USE  CYCLOTRONS

CALVES
  0402
  GS   ANIMALS
       .VERTEBRATES
       ..MAMMALS
       ...CATTLE
       ...#CALVES
  RT   LIVESTOCK

CAM (MANUFACTURING)
  USE  COMPUTER AIDED MANUFACTURING

CAMBER
  0102 0104
  GS  #CAMBER
       .CONICAL CAMBER
       .WING CAMBER
  RT   AIRFOILS
       BENDING
     % BOWS
       CAMBERED WINGS
       CURVATURE
       CURVED BEAMS
       DEFLECTION
       DEFORMATION
       DISTORTION
```

FLEXING
FUSELAGES
LIFT
WARPAGE

CAMBERED WINGS
0104
GS AIRFOILS
.WINGS
.#CAMBERED WINGS
RT CAMBER
FIXED WINGS
TWISTED WINGS
UNCAMBERED WINGS
WING CAMBER

CAMBODIA
1305
UF KAMPUCHEA
GS NATIONS
#CAMBODIA
RT ASIA

CAMBRIAN PERIOD
1306
GS PALEOZOIC ERA
#CAMBRIAN PERIOD
RT GEOCHRONOLOGY
PALEONTOLOGY
PRECAMBRIAN PERIOD

CAMEL AIRCRAFT
USE TU-104 AIRCRAFT

CAMERA SHUTTERS
1412
RT CAMERAS
IRISES (MECHANICAL APERTURES)
KERR CELLS
PANORAMIC CAMERAS
% SHUTTERS
STREAK CAMERAS

CAMERA TUBES
0701 1407 1412
GS ELECTRON TUBES
#CAMERA TUBES
..IMAGE DISSECTOR TUBES
..ORTHICONS
...IMAGE ORTHICONS
..VIDICONS
...RETURN BEAM VIDICONS
....THERMICONS
RT CAMERAS
DYNODES
IMAGE CONVERTERS
IMAGE TRANSDUCERS
MONOSCOPES
PLANOTRONS
TELEVISION CAMERAS
VIDEO EQUIPMENT

CAMERAS
1407 1412 3501 9001
GS OPTICAL EQUIPMENT
#CAMERAS
..BAKER-NUNN CAMERA
..BALLISTIC CAMERAS
..DELFT CAMERA
..DIFFRACTION LIMITED CAMERAS
..FAINT OBJECT CAMERA
..HIGH SPEED CAMERAS
...FRAMING CAMERAS
..I2S CAMERAS
..LALLEMAND CAMERAS
..MULTISPECTRAL BAND CAMERAS
..PANORAMIC CAMERAS
..PINHOLE CAMERAS
..SCHMIDT CAMERAS
..STREAK CAMERAS
..TELEVISION CAMERAS
PHOTOGRAPHIC EQUIPMENT
#CAMERAS
..BAKER-NUNN CAMERA
..BALLISTIC CAMERAS
..DELFT CAMERA
..DIFFRACTION LIMITED CAMERAS
..FAINT OBJECT CAMERA
..HIGH SPEED CAMERAS
...FRAMING CAMERAS
..I2S CAMERAS
..LALLEMAND CAMERAS
..MULTISPECTRAL BAND CAMERAS
..PANORAMIC CAMERAS
..PINHOLE CAMERAS
..SCHMIDT CAMERAS
..STREAK CAMERAS
..TELEVISION CAMERAS
RT CAMERA SHUTTERS
CAMERA TUBES
CINEMATOGRAPHY
FOCUSING
LENSES
PHOTOGRAPHY
SIM
STREAK PHOTOGRAPHY
ULTRAVIOLET PHOTOGRAPHY
UNDERWATER PHOTOGRAPHY
WIDE ANGLE LENSES

CAMEROON
1305
GS NATIONS
#CAMEROON
RT AFRICA

CAMOUFLAGE
2310 3401
RT AIR DEFENSE
COVERINGS

CAMPBELL-HAUSDORFF SERIES
1902
GS ANALYSIS (MATHEMATICS)
.CALCULUS
..SERIES (MATHEMATICS)
..#CAMPBELL-HAUSDORFF SERIES
.REAL VARIABLES
..SERIES (MATHEMATICS)
..#CAMPBELL-HAUSDORFF SERIES

CAMPHOR
0403 1808
GS KETONES
#CAMPHOR
TERPENES
#CAMPHOR

CAMS
1504
GS POSITIONING DEVICES (MACHINERY)
#CAMS
RT ACTUATORS
ECCENTRICS
INTERNAL COMBUSTION ENGINES
LINKAGES
MECHANICAL DEVICES

CANADA
1305
GS NATIONS
#CANADA
..ALBERTA
..BRITISH COLUMBIA
..MANITOBA
..NEW BRUNSWICK
..NEWFOUNDLAND
..NORTHWEST TERRITORIES
..NOVA SCOTIA
..ONTARIO
..PRINCE EDWARD ISLAND
..QUEBEC
..SASKATCHEWAN
..YUKON TERRITORY
RT ANIK 1

```
      ANIK 2
      ANIK 3
      BEAUFORT SEA (NORTH AMERICA)
      CANADIAN SPACE PROGRAM
      CANADIAN SPACECRAFT
      COMMUNICATIONS TECHNOLOGY SATELLITE
      GREAT LAKES (NORTH AMERICA)
      GREAT PLAINS CORRIDOR (NORTH
      AMERICA)
      HUDSON BAY (CANADA)
      INTERNATIONAL FIELD YEAR FOR GREAT
      LAKES
      INTERNATIONAL HYDROLOGICAL DECADE
      LABRADOR
      LAKE CHAMPLAIN BASIN (NY-VT)
      NORTH AMERICA
      PACIFIC NORTHWEST (US)
      ROCKY MOUNTAINS (NORTH AMERICA)
      ST LAWRENCE VALLEY (NORTH AMERICA)
      WILLISTON BASIN (NORTH AMERICA)

CANADAIR AIRCRAFT
  0204
  UF   CANADAIR CF-104 AIRCRAFT
       CF-104 AIRCRAFT
  GS  #CANADAIR AIRCRAFT
       .CL-41 AIRCRAFT
       .CL-44 AIRCRAFT
       .CL-84 AIRCRAFT
       .CL-600 CHALLENGER AIRCRAFT
  RT % AIRCRAFT
       GENERAL DYNAMICS AIRCRAFT

CANADAIR CF-104 AIRCRAFT
  USE  CANADAIR AIRCRAFT
       F-104 AIRCRAFT

CANADAIR CL-41 AIRCRAFT
  USE  CL-41 AIRCRAFT

CANADAIR CL-44 AIRCRAFT
  USE  CL-44 AIRCRAFT

CANADAIR CL-84 AIRCRAFT
  USE  CL-84 AIRCRAFT

CANADIAN SHIELD
  1305 1306
  RT   GEOLOGY
       METEORITE CRATERS
       PRECAMBRIAN PERIOD

CANADIAN SPACE PROGRAM
  3409 3009
  GS   PROGRAMS
       .SPACE PROGRAMS
       .#CANADIAN SPACE PROGRAM
       ...ALOUETTE PROJECT
  RT   AEROSPACE TECHNOLOGY TRANSFER
       ANIK SATELLITES
       ANIK 1
       ANIK 2
       ANIK 3
       CANADA
       CANADIAN SPACECRAFT
       COMMUNICATIONS TECHNOLOGY SATELLITE
       NASA PROGRAMS
       RADARSAT
       SCIENTIFIC SATELLITES
       SYNCHRONOUS SATELLITES
       TECHNOLOGY ASSESSMENT
       TECHNOLOGY UTILIZATION

CANADIAN SPACECRAFT
  3110
  GS  #CANADIAN SPACECRAFT
       .ALOUETTE SATELLITES
       ..ALOUETTE B SATELLITE
       ..ALOUETTE 1 SATELLITE
       ..ALOUETTE 2 SATELLITE
       .ANIK SATELLITES
       ..ANIK 1
       ..ANIK 2
       ..ANIK 3
       .RADARSAT
  RT   CANADA
       CANADIAN SPACE PROGRAM
     % SPACECRAFT

CANALS
  1103 1204 3001
  GS   LANDFORMS
       #CANALS
       WATERWAYS
       #CANALS
  RT   DITCHES
       FLOOD CONTROL
       FLUID FLOW
       GATES (OPENINGS)
       GREAT LAKES (NORTH AMERICA)
       IRRIGATION
       MARS SURFACE
       MATERIALS HANDLING
       PANAMA
       SEEPAGE
       STRAITS
       TROUGHS
       WATER FLOW

CANARD CONFIGURATIONS
  0104
  RT   AERODYNAMIC CONFIGURATIONS
       AIRCRAFT STRUCTURES
     % CONFIGURATIONS
       CONTROL SURFACES
       SAAB 37 AIRCRAFT
       TANDEM WING AIRCRAFT

CANARY ISLANDS
  1305
  GS   LANDFORMS
       .ISLANDS
       .#CANARY ISLANDS
       NATIONS
       .SPAIN
       .#CANARY ISLANDS

CANBERRA AIRCRAFT
  0207 3401
  UF   ENGLISH ELECTRIC CANBERRA AIRCRAFT
  GS   BAC AIRCRAFT
       #CANBERRA AIRCRAFT
       JET AIRCRAFT
       #CANBERRA AIRCRAFT
       MONOPLANES
       #CANBERRA AIRCRAFT
  RT % AIRCRAFT
       B-57 AIRCRAFT

CANBERRA BOMBER
  USE  B-57 AIRCRAFT

CANCELLATION
  3406 3407
  RT   CONTRACTS
       ELIMINATION
       REMOVAL
       STOPPING

CANCELLATION CIRCUITS
  0705 0709 3401
  GS   CIRCUITS
       #CANCELLATION CIRCUITS
  RT   DISPLAY DEVICES
       MOVING TARGET INDICATORS
       PULSE DOPPLER RADAR
       RADAR

CANCER
  0404 0405 0406
  UF   CARCINOMA
       SARCOMA
  GS   DISEASES
       .TUMORS
       ..NEOPLASMS
```

```
        ..#CANCER
        ....LEUKEMIAS
  RT    BONE MARROW
        CARCINOGENS
        CELLS (BIOLOGY)
        RADIATION THERAPY
        TISSUES (BIOLOGY)
        ULCERS

CANISTERS
  USE   CANS

CANNING
  0505
  GS    FOOD PROCESSING
        #CANNING
  RT    ENCAPSULATING
     %  FOOD

CANNONBALL 2 SATELLITE
  3107
  GS    ARTIFICIAL SATELLITES
        .SCIENTIFIC SATELLITES
        .#CANNONBALL 2 SATELLITE

CANNONS
  USE   GUNS (ORDNANCE)

CANNULAE
  0405
  RT %  TUBES

CANONICAL FORMS
  1902 2308 2311
  GS    ALGEBRA
        .VECTOR SPACES
        ..MATRICES (MATHEMATICS)
        ..#CANONICAL FORMS
  RT    FIBERS (MATHEMATICS)

CANOPIES
  0101 0208
  RT    AIRCRAFT STRUCTURES
        AIRFRAMES
        COCKPITS
        FAIRINGS
        WINDSHIELDS

CANOPIES (VEGETATION)
  1307
  GS    VEGETATION
        #CANOPIES (VEGETATION)
  RT    FOLIAGE
        FORESTS
        GRASSES
        LEAF AREA INDEX
        LEAVES
        PLANTS (BOTANY)
        RAIN FORESTS
        SOD
        TREES (PLANTS)
        VEGETATIVE INDEX

CANS
  1103 1504
  UF    CANISTERS
  RT %  CONTAINERS
        DRUMS (CONTAINERS)

CANT
  USE   SLOPES

CANTILEVER BEAMS
  3202
  GS    CANTILEVER MEMBERS
        #CANTILEVER BEAMS
        STRUCTURAL MEMBERS
        .BEAMS (SUPPORTS)
        .#CANTILEVER BEAMS
  RT    BOX BEAMS
        I BEAMS

CANTILEVER MEMBERS
  3202
  GS   #CANTILEVER MEMBERS
        .CANTILEVER BEAMS
        .CANTILEVER PLATES
  RT    LEVERS

CANTILEVER PLATES
  3202
  GS    CANTILEVER MEMBERS
        #CANTILEVER PLATES
        STRUCTURAL MEMBERS
        .PLATES (STRUCTURAL MEMBERS)
        .#CANTILEVER PLATES
  RT    ANISOTROPIC PLATES

CANTILEVER WINGS
  USE   WINGS

CANYONS
  1306
  UF    COULEES
        GORGES
  GS    LANDFORMS
        #CANYONS
        ..GRAND CANYON (AZ)
  RT    ARROYOS
        CLIFFS
        FANS (LANDFORMS)
        RAVINES
        RIVERS
        VALLEYS
        WATER EROSION

CAP CLOUDS
  1301 1308 2003
  UF    OROGRAPHIC CLOUDS
  GS    CLOUDS (METEOROLOGY)
        #CAP CLOUDS
  RT    ATMOSPHERIC MOISTURE
        CLIMATOLOGY
        CLOUD COVER
        METEOROLOGY
        NEPHANALYSIS
        PRECIPITATION (METEOROLOGY)
        WEATHER

CAPACITANCE
  1001 1002 1201 2304 2602 3304 3408
  GS    ELECTRICAL PROPERTIES
        #CAPACITANCE
  RT    CAPACITANCE-VOLTAGE CHARACTERISTICS
        CAPACITORS
     %  CAPACITY
        DIELECTRIC PROPERTIES
        ELECTRIC CHARGE
        ELECTRICAL IMPEDANCE
        ELECTROSTATIC CHARGE
        INDUCTANCE
        OPEN CIRCUIT VOLTAGE
        RC CIRCUITS
        REACTANCE
        RLC CIRCUITS

CAPACITANCE SWITCHES
  0902 0904
  GS    SWITCHES
        #CAPACITANCE SWITCHES
  RT    CAPACITORS
        DIELECTRICS
        RLC CIRCUITS
        SWITCHING CIRCUITS

CAPACITANCE-VOLTAGE CHARACTERISTICS
  1101 3501
  GS    ELECTRICAL PROPERTIES
        #CAPACITANCE-VOLTAGE
         CHARACTERISTICS
  RT    CAPACITANCE
     %  CHARACTERISTICS
        ELECTRIC POTENTIAL
        METAL OXIDE SEMICONDUCTORS
        VOLT-AMPERE CHARACTERISTICS
```

```
CAPACITIVE FUEL GAGES
  1406 3501
  GS   MEASURING INSTRUMENTS
       .FUEL GAGES
       .#CAPACITIVE FUEL GAGES
  RT   DIELECTRICS

CAPACITORS
  0903 0904 0905 1409
  RT   AMPLIFIERS
       BALLASTS (IMPEDANCES)
       CAPACITANCE
       CAPACITANCE SWITCHES
       CIRCUIT PROTECTION
       CIRCUITS
     % CONDENSERS
       DIELECTRICS
       ELECTRETS
       ELECTRIC BRIDGES
       ELECTRIC ENERGY STORAGE
       ELECTRIC FILTERS
       ELECTRIC REACTORS
       ENERGY STORAGE
       GERDIEN CONDENSERS
       PARALLEL PLATES
       SOLID STATE DEVICES

% CAPACITY
  3401 3404 3406 3408
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   CAPACITANCE
       CHANNEL CAPACITY
       OUTPUT
       PRODUCTION ENGINEERING
       RISK
       VOLUME

CAPE HATTERAS (NC)
  1301
  GS   LANDFORMS
       .CAPES (LANDFORMS)
       .#CAPE HATTERAS (NC)
  RT   ATLANTIC OCEAN
       NORTH CAROLINA

CAPE KENNEDY LAUNCH COMPLEX
  1104 1106 1108 1109 1305
  GS   LAUNCHING BASES
       #CAPE KENNEDY LAUNCH COMPLEX
  RT   GROUND SUPPORT EQUIPMENT

CAPE VERDE
  1305
  GS   NATIONS
       #CAPE VERDE
  RT   AFRICA
       ATLANTIC OCEAN
       ISLANDS

CAPES (LANDFORMS)
  1303 1306
  GS   LANDFORMS
       #CAPES (LANDFORMS)
       ..CAPE HATTERAS (NC)
  RT   LAND

% CAPILLARIES
  0303 0404 1202 1504
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   CAPILLARIES (ANATOMY)
       CAPILLARY TUBES

CAPILLARIES (ANATOMY)
  0402 0405
  GS   ANATOMY
       .CIRCULATORY SYSTEM
       ..CARDIOVASCULAR SYSTEM
       ...BLOOD VESSELS
       ...#CAPILLARIES (ANATOMY)
       .....GLOMERULUS
  RT   BLOOD
     % CAPILLARIES

CAPILLARY CIRCULATION
  USE  CAPILLARY FLOW

CAPILLARY FLOW
  1202 1203
  UF   CAPILLARY CIRCULATION
  GS   FLUID FLOW
       #CAPILLARY FLOW
  RT   BLOOD FLOW
       LAMINAR FLOW
       LIQUID BRIDGES

CAPILLARY TUBES
  1202 1203
  RT % CAPILLARIES
     % TUBES

CAPILLARY WAVES
  1202
  GS   ELASTIC WAVES
       #CAPILLARY WAVES
       ..GRAVITY WAVES
       ...BAROCLINIC WAVES
       ..RIPPLES
       SURFACE WAVES
       #CAPILLARY WAVES
       ..GRAVITY WAVES
       ...BAROCLINIC WAVES
       ..RIPPLES
  RT   INTERFACIAL TENSION
       TWO DIMENSIONAL FLOW
       WATER WAVES

% CAPS
  0508 1102 1504 3203 3302
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   CAPS (EXPLOSIVES)
       COVERINGS
       NOSE CONES
       POLAR CAPS
       SEALS (STOPPERS)
       SPHERICAL CAPS

CAPS (EXPLOSIVES)
  3302
  GS   EXPLOSIVE DEVICES
       .INITIATORS (EXPLOSIVES)
       .#CAPS (EXPLOSIVES)
       IGNITERS
       .INITIATORS (EXPLOSIVES)
       .#CAPS (EXPLOSIVES)
  RT % CAPS
       DETONATORS
       EXPLODING WIRES
       FUSES (ORDNANCE)
       PRIMERS (EXPLOSIVES)

% CAPSULES
  0202 0405 0410 0504 1502 3104 3203
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT % BUCKETS
     % CONTAINERS
       FUEL CAPSULES
       SHELLS (STRUCTURAL FORMS)
       SPACE CAPSULES
       TABLETS
       TEST CHAMBERS
     % TEST EQUIPMENT
       TEST VEHICLES
     % VESSELS

CAPSULES (SPACECRAFT)
  USE  SPACE CAPSULES
```

```
CAPTIVE TESTS
  0202 1108 2801 2805 2808 3501
  GS   #CAPTIVE TESTS
       .STATIC TESTS
       ..STATIC FIRING
  RT   ENGINE TESTS
       GROUND TESTS
       MISSILE TESTS
       PREFIRING TESTS
       PRELAUNCH TESTS
     % TESTS

CAPTURE CROSS SECTIONS
  USE  ABSORPTION CROSS SECTIONS

CAPTURE EFFECT
  0705 0710 2401 2402 2403 2405
  RT   ABSORPTANCE
     % ABSORPTION
     % EFFECTS
       ELECTRON CAPTURE
       FREQUENCY MODULATION
       FREQUENCY SYNCHRONIZATION
       NUCLEAR CAPTURE
       RECOMBINATION REACTIONS
       TRAJECTORY ANALYSIS

CAPTURED AIR BUBBLE VEHICLES
  1204
  GS   SURFACE VEHICLES
       #CAPTURED AIR BUBBLE VEHICLES
       WATER VEHICLES
       #CAPTURED AIR BUBBLE VEHICLES
  RT   HYDROFOIL CRAFT
       SURFACE EFFECT SHIPS
       SWATH (SHIP)
     % VEHICLES

CARAVELLE AIRCRAFT
  USE  SE-210 AIRCRAFT

CARBAMATES (TRADENAME)
  0403 1808
  GS   ESTERS
       #CARBAMATES (TRADENAME)
       ..URETHANES

CARBAMIDES
  0403 1808
  GS   NITROGEN COMPOUNDS
       .AMIDES
       .#CARBAMIDES

CARBAZOLES
  0403 1808
  GS   ORGANIC COMPOUNDS
       .CYCLIC COMPOUNDS
       ..HETEROCYCLIC COMPOUNDS
       ...AZOLES
       ....PYRROLES
       ....#CARBAZOLES

CARBENES
  1808
  RT   FREE RADICALS

CARBIDES
  0605 1703 1804 1808
  GS   CARBON COMPOUNDS
       #CARBIDES
       ..ALUMINUM CARBIDES
       ..BORON CARBIDES
       ..CEMENTITE
       ..CHROMIUM CARBIDES
       ..HAFNIUM CARBIDES
       ..MOLYBDENUM CARBIDES
       ..NIOBIUM CARBIDES
       ..SILICON CARBIDES
       ..TANTALUM CARBIDES
       ..TITANIUM CARBIDES
       ..TUNGSTEN CARBIDES
       ..URANIUM CARBIDES
       ..VANADIUM CARBIDES
       ..ZIRCONIUM CARBIDES
  RT   CERAMIC NUCLEAR FUELS
       REFRACTORY MATERIALS

CARBOHYDRATE METABOLISM
  0403 0404
  GS   METABOLISM
       #CARBOHYDRATE METABOLISM
       ..HYPERGLYCEMIA
       ..HYPOGLYCEMIA
  RT   CORTISONE
       DIABETES MELLITUS
       HYDROGEN METABOLISM

CARBOHYDRATES
  0403 0404 0505 1808
  UF   SACCHARIDES
  GS   ORGANIC COMPOUNDS
       #CARBOHYDRATES
       ..CITRIC ACID
       ..GLUCOSIDES
       ...NUCLEOSIDES
       ....ADENINES
       ....GUANOSINES
       ..POLYSACCHARIDES
       ...CELLULOSE
       ....FORTISAN (TRADEMARK)
       ...CHITIN
       ...DEXTRANS
       ...GLYCOGENS
       ...STARCHES
       ..SUGARS
       ...DEXTRANS
       ...INOSITOLS
       ...LACTOSE
       ...MANNITOL
       ...MONOSACCHARIDES
       ....HEXOSES
       .....GALACTOSE
       .....GLUCOSE
       ....PENTOSE
       .....RIBOSE
       .....XYLOSE
       ...SUCROSE
  RT   ALCOHOLS
       ETHYL ALCOHOL
     % FOOD
       GLYCEROLS
     % NUTRIENTS
       OPTICAL ACTIVITY
     % OXYGEN COMPOUNDS
       PHOTOSYNTHESIS
       STEREOCHEMISTRY
       SYNTHETIC FOOD

CARBON
  0603 1805 1807
  GS   CHEMICAL ELEMENTS
       #CARBON
       ..CARBON ISOTOPES
       ...CARBON 12
       ...CARBON 13
       ...CARBON 14
  RT   ACTIVATED CARBON
       BITUMENS
       BUCKMINSTERFULLERENE
       CHARCOAL
       COKE
       DECARBURIZATION
       DIAMONDS
       FULLERENES
       GLASSY CARBON
       GRAPHITE
       SOOT

CARBON ARCS
  0602 0605 1411 2306
  GS   ELECTRIC CURRENT
       .ELECTRIC DISCHARGES
       ..ELECTRIC ARCS
       ..#CARBON ARCS
```

```
  RT   ARC LAMPS
       IMAGE FURNACES

CARBON COMPOUNDS
  0403 1804 1808
  SN   (RESTRICTED TO INORGANIC COMPOUNDS)
  GS  #CARBON COMPOUNDS
       .CARBIDES
       ..ALUMINUM CARBIDES
       ..BORON CARBIDES
       ..CEMENTITE
       ..CHROMIUM CARBIDES
       ..HAFNIUM CARBIDES
       ..MOLYBDENUM CARBIDES
       ..NIOBIUM CARBIDES
       ..SILICON CARBIDES
       ..TANTALUM CARBIDES
       ..TITANIUM CARBIDES
       ..TUNGSTEN CARBIDES
       ..URANIUM CARBIDES
       ..VANADIUM CARBIDES
       ..ZIRCONIUM CARBIDES
       .CARBON DIOXIDE
       .CARBON DISULFIDE
       .CARBON MONOXIDE
       .CARBON SUBOXIDES
       .CARBON TETRACHLORIDE
       .CARBON TETRAFLUORIDE
       .CARBONATES
       ..BASTNASITE
       ..CALCIUM CARBONATES
       ...AKERMANITE
       ...ARAGONITE
       ...CALCITE
       ...CHALK
       ..DOLOMITE (MINERAL)
       ..POLYCARBONATES
       ...LEXAN (TRADEMARK)
       ..SIDERITES
       ..SODIUM CARBONATES
       ..TETRAETHYL ORTHOCARBONATES
       .HALOCARBONS
       ..CHLOROCARBONS
       ..FLUOROCARBONS
  RT   CARBONACEOUS MATERIALS
     % CHEMICAL COMPOUNDS
     % GROUP 4A COMPOUNDS
       HYDROCARBONS
       METHYLIDYNE
       SWAN BANDS

CARBON CYCLE
  0404
  GS   CYCLES
       #CARBON CYCLE
  RT   ANIMALS
     % BIOLOGY
       BIOMASS
       ECOLOGY
       ORGANISMS
       PLANTS (BOTANY)
       VIABILITY

CARBON DIOXIDE
  0403 1804 1808
  GS   CARBON COMPOUNDS
       #CARBON DIOXIDE
       CHALCOGENIDES
       .OXIDES
       ..DIOXIDES
       ..#CARBON DIOXIDE
       GASES
       #CARBON DIOXIDE
  RT   CHLORELLA
       METABOLIC WASTES
       SYNTHANE

CARBON DIOXIDE CONCENTRATION
  0408 0504 0506 1301
  GS   COMPOSITION (PROPERTY)
       .CHEMICAL COMPOSITION
       .#CARBON DIOXIDE CONCENTRATION
       .CONCENTRATION (COMPOSITION)
       .#CARBON DIOXIDE CONCENTRATION
       .GAS COMPOSITION
       .#CARBON DIOXIDE CONCENTRATION
  RT   AIR PURIFICATION
       ATMOSPHERIC COMPOSITION
       CLIMATE CHANGE
       DECONTAMINATION
       REBREATHING
       SPACECRAFT CABIN ATMOSPHERES

CARBON DIOXIDE LASERS
  1203 1601 2311 3304
  GS   STIMULATED EMISSION DEVICES
       .LASERS
       ..GAS LASERS
       ..#CARBON DIOXIDE LASERS
  RT   CHEMICAL LASERS
       CONTINUOUS WAVE LASERS
       GAS MASERS
       INFRARED LASERS
       MACH-ZEHNDER INTERFEROMETERS
       MOLECULAR OSCILLATIONS
       ORGANIC LASERS
       POLAR GASES
       PULSED LASERS
       Q SWITCHED LASERS
       STIMULATED EMISSION
       TEA LASERS
       WAVEGUIDE LASERS

CARBON DIOXIDE REMOVAL
  0504 0505
  RT   AIR PURIFICATION
       DECONTAMINATION
       REBREATHING
       REMOVAL
       SMOKE ABATEMENT

CARBON DIOXIDE TENSION
  0408
  GS  #CARBON DIOXIDE TENSION
       .HYPERCAPNIA
       .HYPOCAPNIA

CARBON DISULFIDE
  0603 1808
  GS   CARBON COMPOUNDS
       #CARBON DISULFIDE
       CHALCOGENIDES
       .SULFIDES
       ..DISULFIDES
       ..#CARBON DISULFIDE
       SULFUR COMPOUNDS
       .SULFIDES
       ..DISULFIDES
       ..#CARBON DISULFIDE

CARBON FIBER REINFORCED PLASTICS
  1805 1811
  UF   CFRP
  GS   COMPOSITE MATERIALS
       .FIBER COMPOSITES
       .#CARBON FIBER REINFORCED PLASTICS
       ...CARBON-PHENOLIC COMPOSITES
       .POLYMER MATRIX COMPOSITES
       ..REINFORCED PLASTICS
       ..#CARBON FIBER REINFORCED PLASTICS
       PLASTICS
       .REINFORCED PLASTICS
       .#CARBON FIBER REINFORCED PLASTICS
  RT   BRAIDED COMPOSITES
       FIBERS
       GRAPHITE-EPOXY COMPOSITES
       LAY-UP
       PEEK
       REINFORCING FIBERS
       SUPERHYBRID MATERIALS
       WOVEN COMPOSITES

CARBON FIBERS
  1805 1807
  GS   FIBERS
```

.REINFORCING FIBERS
.#CARBON FIBERS
RT BORON FIBERS
CARBON-PHENOLIC COMPOSITES
CHEMICAL VAPOR INFILTRATION
COMPOSITE MATERIALS
FIBER COMPOSITES
FIBER RELEASE
% FILAMENTS
POLYACRYLONITRILE

CARBON ISOTOPES
0603 1807 2406
GS CHEMICAL ELEMENTS
.CARBON
.#CARBON ISOTOPES
...CARBON 12
...CARBON 13
...CARBON 14
.NUCLIDES
..ISOTOPES
..#CARBON ISOTOPES
....CARBON 12
....CARBON 13
....CARBON 14

CARBON LASERS
1203 1601 2311 3304
GS STIMULATED EMISSION DEVICES
.LASERS
.#CARBON LASERS
RT CHEMICAL LASERS
GAS LASERS
INFRARED LASERS
LIQUID LASERS
ORGANIC LASERS
STIMULATED EMISSION

CARBON MONOXIDE
0603 1804
GS CARBON COMPOUNDS
#CARBON MONOXIDE
CHALCOGENIDES
.OXIDES
.#CARBON MONOXIDE
GASES
#CARBON MONOXIDE
RT HOPCALITE (TRADEMARK)
SMOG
SYNTHANE

CARBON MONOXIDE LASERS
1203 1601 2311 3304
GS STIMULATED EMISSION DEVICES
.LASERS
..GAS LASERS
..#CARBON MONOXIDE LASERS
RT CHEMICAL LASERS
CONTINUOUS WAVE LASERS
INFRARED LASERS
MOLECULAR OSCILLATIONS
STIMULATED EMISSION
TEA LASERS

CARBON MONOXIDE POISONING
0405 0412
GS DISEASES
.TOXIC DISEASES
.#CARBON MONOXIDE POISONING
TOXICITY
#CARBON MONOXIDE POISONING
RT CARBOXYHEMOGLOBIN
LETHALITY
OCCUPATIONAL DISEASES
PATHOLOGICAL EFFECTS
% POISONING

CARBON STARS
3001
UF C STARS
GS CELESTIAL BODIES
.STARS
..GIANT STARS
...RED GIANT STARS
...#CARBON STARS
..LATE STARS
...COOL STARS
...#CARBON STARS
RT ASYMPTOTIC GIANT BRANCH STARS
IRREGULAR VARIABLE STARS
MIRA VARIABLES
R CORONAE BOREALIS STARS
STELLAR COMPOSITION
SUBGIANT STARS
WOLF-RAYET STARS

CARBON STEELS
1701 1704
GS ALLOYS
.IRON ALLOYS
..STEELS
..#CARBON STEELS
....LOW CARBON STEELS
RT HIGH STRENGTH STEELS

CARBON SUBOXIDES
0403
GS CARBON COMPOUNDS
#CARBON SUBOXIDES
CHALCOGENIDES
.OXIDES
.#CARBON SUBOXIDES
GASES
#CARBON SUBOXIDES
RT % OXYGEN COMPOUNDS

CARBON TETRACHLORIDE
0603 1804
UF TETRACHLOROMETHANE
GS CARBON COMPOUNDS
#CARBON TETRACHLORIDE
HALOGEN COMPOUNDS
.CHLORINE COMPOUNDS
..CHLORIDES
..#CARBON TETRACHLORIDE
.HALIDES
..CHLORIDES
..#CARBON TETRACHLORIDE

CARBON TETRACHLORIDE POISONING
0405 0412
RT INDUSTRIAL SAFETY
% POISONING
TOXICITY AND SAFETY HAZARD
TOXICOLOGY

CARBON TETRAFLUORIDE
0603 1804
GS CARBON COMPOUNDS
#CARBON TETRAFLUORIDE
HALOGEN COMPOUNDS
.FLUORINE COMPOUNDS
..FLUORO COMPOUNDS
...FLUORINE ORGANIC COMPOUNDS
....FLUOROHYDROCARBONS
....#CARBON TETRAFLUORIDE
ORGANIC COMPOUNDS
.FLUORINE ORGANIC COMPOUNDS
..FLUOROHYDROCARBONS
..#CARBON TETRAFLUORIDE

CARBON 12
0603 1807 2406
GS CHEMICAL ELEMENTS
.CARBON
..CARBON ISOTOPES
..#CARBON 12
.NUCLIDES
..ISOTOPES
...CARBON ISOTOPES
...#CARBON 12

CARBON 13
0603 1807 2406
GS CHEMICAL ELEMENTS

```
        .CARBON
        ..CARBON ISOTOPES
        ..#CARBON 13
        .NUCLIDES
        ..ISOTOPES
        ...CARBON ISOTOPES
        ...#CARBON 13

CARBON 14
  0603 1807 2406
  GS    CHEMICAL ELEMENTS
        .CARBON
        ..CARBON ISOTOPES
        ..#CARBON 14
        .NUCLIDES
        ..ISOTOPES
        ...CARBON ISOTOPES
        ...#CARBON 14
        ...RADIOACTIVE ISOTOPES
        ...#CARBON 14

CARBON-CARBON COMPOSITES
  1507 1704
  GS    COMPOSITE MATERIALS
        #CARBON-CARBON COMPOSITES
  RT    FIBER COMPOSITES
        FRACTURE STRENGTH
        REINFORCING FIBERS
        THERMAL PROTECTION
        THERMAL RESISTANCE

CARBON-PHENOLIC COMPOSITES
  1507 1704 1801 1805 1809
  GS    COMPOSITE MATERIALS
        .FIBER COMPOSITES
        ..CARBON FIBER REINFORCED PLASTICS
        ..#CARBON-PHENOLIC COMPOSITES
        .RESIN MATRIX COMPOSITES
        .#CARBON-PHENOLIC COMPOSITES
  RT    ABLATIVE MATERIALS
        CARBON FIBERS
        PHENOLIC RESINS
        ROCKET NOZZLES

CARBONACEOUS CHONDRITES
  1806 3005
  GS    CELESTIAL BODIES
        .METEORITES
        ..STONY METEORITES
        ...CARBONACEOUS METEORITES
        ...#CARBONACEOUS CHONDRITES
        .....ALAIS METEORITE
        .....ALLENDE METEORITE
        .....COLD BOKKEVELD METEORITE
        .....IVUNA METEORITE
        .....MURCHISON METEORITE
        .....MURRAY METEORITE
        .....ORGUEIL METEORITE
        .....TONK METEORITE
        ...CHONDRITES
        ...#CARBONACEOUS CHONDRITES
        .....ALAIS METEORITE
        .....ALLENDE METEORITE
        .....COLD BOKKEVELD METEORITE
        .....IVUNA METEORITE
        .....MURCHISON METEORITE
        .....MURRAY METEORITE
        .....ORGUEIL METEORITE
        .....TONK METEORITE

CARBONACEOUS MATERIALS
  0602
  GS   #CARBONACEOUS MATERIALS
        .GRAPHITE
        ..PYROLYTIC GRAPHITE
        .PEAT
  RT    CARBON COMPOUNDS
        COAL
        CRUDE OIL
        FOSSIL FUELS
        LIGNITE
     % MATERIALS
        ORGANIC MATERIALS
        SOLVENT REFINED COAL

CARBONACEOUS METEORITES
  3005
  GS    CELESTIAL BODIES
        .METEORITES
        ..STONY METEORITES
        ..#CARBONACEOUS METEORITES
        ....CARBONACEOUS CHONDRITES
        .....ALAIS METEORITE
        .....ALLENDE METEORITE
        .....COLD BOKKEVELD METEORITE
        .....IVUNA METEORITE
        .....MURCHISON METEORITE
        .....MURRAY METEORITE
        .....ORGUEIL METEORITE
        .....TONK METEORITE
        ....UREILITES
  RT    EXOBIOLOGY
        METEORITIC COMPOSITION

CARBONACEOUS ROCKS
  1306
  GS    ROCKS
        .SEDIMENTARY ROCKS
        .#CARBONACEOUS ROCKS
        ...COAL
        ....ANTHRACITE
        ....LIGNITE
  RT    CARBONATES
        REGOLITH
        SHATTER CONES
        SOILS

CARBONATES
  0603 1804 1806
  UF    BICARBONATES
  GS    CARBON COMPOUNDS
        #CARBONATES
        ..BASTNASITE
        ..CALCIUM CARBONATES
        ...AKERMANITE
        ...ARAGONITE
        ...CALCITE
        ...CHALK
        ..DOLOMITE (MINERAL)
        ..POLYCARBONATES
        ...LEXAN (TRADEMARK)
        ..SIDERITES
        ..SODIUM CARBONATES
        ..TETRAETHYL ORTHOCARBONATES
  RT    ALKALIES
        CARBONACEOUS ROCKS
        CARBONIC ACID
     % OXYGEN COMPOUNDS

CARBONIC ACID
  0603 1804
  GS    ACIDS
        #CARBONIC ACID
  RT    CARBONATES

CARBONIC ANHYDRASE
  0403 1808
  GS    BIOPOLYMERS
        .PROTEINS
        ..ENZYMES
        ..#CARBONIC ANHYDRASE
        ORGANIC COMPOUNDS
        .PROTEINS
        ..ENZYMES
        ..#CARBONIC ANHYDRASE
  RT    ACETAZOLAMIDE

CARBONIZATION
  0403 0602
  GS    CHEMICAL REACTIONS
        #CARBONIZATION
  RT    CHARRING
        DECARBONATION

CARBONYL COMPOUNDS
```

```
  1808
  RT % CHEMICAL COMPOUNDS

CARBORANE
  1808
  GS   BORON COMPOUNDS
       .BORON HYDRIDES
       ..BORANES
       ..#CARBORANE
       HYDROGEN COMPOUNDS
       .HYDRIDES
       ..BORON HYDRIDES
       ...BORANES
       ...#CARBORANE

CARBORUNDUM (TRADEMARK)
  0603 1804
  RT   ABRASIVES
       REFRACTORY MATERIALS
       SILICON CARBIDES

CARBOXYHEMOGLOBIN
  0403 1808
  GS   BIOPOLYMERS
       .PROTEINS
       ..HEMOGLOBIN
       ..#CARBOXYHEMOGLOBIN
       ORGANIC COMPOUNDS
       .PROTEINS
       ..HEMOGLOBIN
       ..#CARBOXYHEMOGLOBIN
       ORGANOMETALLIC COMPOUNDS
       .HEMOGLOBIN
       .#CARBOXYHEMOGLOBIN
  RT   BLOOD CIRCULATION
       CARBON MONOXIDE POISONING
       ERYTHROCYTES

CARBOXYHEMOGLOBIN TEST
  0403 0405
  GS   PHYSIOLOGICAL TESTS
       #CARBOXYHEMOGLOBIN TEST
  RT   BLOOD
       HEMATOLOGY

CARBOXYL GROUP
  0403 1808
  RT   CARBOXYLIC ACIDS

CARBOXYLATES
  0403 1808
  GS   ESTERS
       #CARBOXYLATES
  RT   CARBOXYLIC ACIDS

CARBOXYLATION
  0403 0602
  GS   CHEMICAL REACTIONS
       #CARBOXYLATION
  RT   DECARBOXYLATION

CARBOXYLIC ACIDS
  0403 1808
  GS   ACIDS
       #CARBOXYLIC ACIDS
       ..ACRYLIC ACID
       ..ALANINE
       ..ASPARTIC ACID
       ..CITRIC ACID
       ..DICARBOXYLIC ACIDS
       ..FATTY ACIDS
       ...ACETIC ACID
       ....ETHYLENEDIAMINETETRAACETIC
           ACIDS
       ....IODOACETIC ACID
       ...ACETYLSALICYLIC ACID
       ...BENZILIC ACID
       ...BENZOIC ACID
       ...LIPOIC ACID
       ...OLEIC ACID
       ...PALMITIC ACID
       ...PROPIONIC ACID
       ...SEBACIC ACID
       ...VALERIC ACID
       ..FOLIC ACID
       ..FORMHYDROXAMIC ACID
       ..FORMIC ACID
       ..HEXOGENES (TRADEMARK)
       ..LACTIC ACID
       ..LYSINE
       ..NICOTINIC ACID
       ..OXALIC ACID
       ..OXAMIC ACIDS
       ..TRYPTOPHAN
       ORGANIC COMPOUNDS
       #CARBOXYLIC ACIDS
       ..ACRYLIC ACID
       ..ALANINE
       ..ASPARTIC ACID
       ..CITRIC ACID
       ..DICARBOXYLIC ACIDS
       ..FATTY ACIDS
       ...ACETIC ACID
       ....ETHYLENEDIAMINETETRAACETIC
           ACIDS
       ....IODOACETIC ACID
       ...ACETYLSALICYLIC ACID
       ...BENZILIC ACID
       ...BENZOIC ACID
       ...LIPOIC ACID
       ...OLEIC ACID
       ...PALMITIC ACID
       ...PROPIONIC ACID
       ...SEBACIC ACID
       ...VALERIC ACID
       ..FOLIC ACID
       ..FORMHYDROXAMIC ACID
       ..FORMIC ACID
       ..HEXOGENES (TRADEMARK)
       ..LACTIC ACID
       ..LYSINE
       ..NICOTINIC ACID
       ..OXALIC ACID
       ..OXAMIC ACIDS
       ..TRYPTOPHAN
  RT   CARBOXYL GROUP
       CARBOXYLATES
       TEREPHTHALATE

CARBURETORS
  0303 1504 2801
  UF   INJECTION CARBURETORS
  RT   CHOKES (FUEL SYSTEMS)
       CONTACTORS
       ENGINE PARTS
       ENGINES
       FUEL INJECTION
       FUEL SYSTEMS
       INJECTORS
       INTERNAL COMBUSTION ENGINES
     % JET NOZZLES
       MIXERS
       PREMIXED FLAMES
       THROATS

CARBURIZING
  0602
  GS   HARDENING (MATERIALS)
       #CARBURIZING
  RT   DECARBURIZATION

CARCINOGENS
  0403 0405 1808
  RT   CANCER
       NEOPLASMS

CARCINOMA
  USE  CANCER

CARCINOTRONS
  0905
  GS   AMPLIFIERS
       #CARCINOTRONS
       ELECTRON TUBES
       .VACUUM TUBES
```

..MICROWAVE TUBES
...TRAVELING WAVE TUBES
...#CARCINOTRONS
MICROWAVE EQUIPMENT
.MICROWAVE TUBES
..TRAVELING WAVE TUBES
..#CARCINOTRONS
RT HELITRONS

CARDIAC AURICLES
0404
GS ANATOMY
.CIRCULATORY SYSTEM
..CARDIOVASCULAR SYSTEM
...HEART
...#CARDIAC AURICLES
RT HIS BUNDLE

CARDIAC OUTPUT
0405 0408
GS OUTPUT
#CARDIAC OUTPUT
..HEART MINUTE VOLUME
..STROKE VOLUME
RT BLOOD VOLUME
CARDIOVASCULAR SYSTEM
HEART FUNCTION
HEART RATE
PHYSIOLOGICAL TESTS

CARDIAC VENTRICLES
0404
GS ANATOMY
.CIRCULATORY SYSTEM
..CARDIOVASCULAR SYSTEM
...HEART
...#CARDIAC VENTRICLES
RT DIASTOLIC PRESSURE
ECHOCARDIOGRAPHY
HIS BUNDLE
SYSTOLE

CARDIOGRAMS
0405 0501
RT BIOMEDICAL DATA
CARDIOGRAPHY
HEART

CARDIOGRAPHY
0405 0501
GS BIOENGINEERING
.BIOMETRICS
.#CARDIOGRAPHY
...BALLISTOCARDIOGRAPHY
...ELECTROCARDIOGRAPHY
...MAGNETOCARDIOGRAPHY
...PHONOCARDIOGRAPHY
....ECHOCARDIOGRAPHY
...SEISMOCARDIOGRAPHY
...VECTORCARDIOGRAPHY
RT CARDIOGRAMS
CARDIOVASCULAR SYSTEM
HEART
HEART DISEASES
HEART FUNCTION
MEDICAL EQUIPMENT
PHYSIOLOGICAL TESTS

CARDIOLOGY
0404 0405
GS MEDICAL SCIENCE
#CARDIOLOGY
RT ANGIOGRAPHY
ARTIFICIAL CARDIAC PACEMAKER
HEART
HEART DISEASES
HEART RATE
RADIOCARDIOGRAPHY

CARDIOTACHOMETERS
0405 0501
GS MEDICAL EQUIPMENT
#CARDIOTACHOMETERS
RT HEART

CARDIOVASCULAR SYSTEM
0404 0405 0408
UF VASCULAR SYSTEM
GS ANATOMY
.CIRCULATORY SYSTEM
.#CARDIOVASCULAR SYSTEM
...BLOOD VESSELS
....ARTERIES
.....AORTA
....CAPILLARIES (ANATOMY)
.....GLOMERULUS
....VEINS
...HEART
....CARDIAC AURICLES
....CARDIAC VENTRICLES
....EPICARDIUM
....MYOCARDIUM
RT ANGIOGRAPHY
BLOOD
BLOOD VOLUME
CARDIAC OUTPUT
CARDIOGRAPHY
CAROTID SINUS BODY
CAROTID SINUS REFLEX
CEREBRAL VASCULAR ACCIDENTS
DIASTOLE
FAT EMBOLISMS
HEART DISEASES
HEMATOPOIESIS
HEMATOPOIETIC SYSTEM
HEMODYNAMICS
HEMORRHAGES
LOWER BODY NEGATIVE PRESSURE
STROKE VOLUME
% SYSTEMS
SYSTOLE

CARDS
3405
GS #CARDS
.PUNCHED CARDS
RT COMPUTER STORAGE DEVICES
DATA STORAGE

CARET WINGS
0101 0104
GS AIRFOILS
.WINGS
.#CARET WINGS
PLANFORMS
#CARET WINGS
RT ARROW WINGS
DELTA WINGS
WAVERIDERS

CARETS (TEST SITE)
USE CENTRAL ATLANTIC REGIONAL ECOL
TEST SITE

CARGO
0202 1103 1502 3110
UF FREIGHT
GS #CARGO
.AIR CARGO
..AIR MAIL
.BAGGAGE
RT AIR DROP OPERATIONS
AIRDROPS
DELIVERY
FREIGHT COSTS
HARBORS
HAULING
MATERIALS HANDLING
RAILROAD HUMPING TESTS
RAPID TRANSIT SYSTEMS
TRANSPORTATION
TRANSPORTATION ENERGY
TRUCKS

CARGO AIRCRAFT

```
  0201 0204
  GS   TRANSPORT AIRCRAFT
       #CARGO AIRCRAFT
       ..BREGUET 941 AIRCRAFT
       ..C-1A AIRCRAFT
       ..C-2 AIRCRAFT
       ..C-5 AIRCRAFT
       ..C-9 AIRCRAFT
       ..C-46 AIRCRAFT
       ..C-47 AIRCRAFT
       ..C-54 AIRCRAFT
       ..C-118 AIRCRAFT
       ..C-119 AIRCRAFT
       ..C-121 AIRCRAFT
       ..C-123 AIRCRAFT
       ..C-124 AIRCRAFT
       ..C-130 AIRCRAFT
       ..C-131 AIRCRAFT
       ..C-133 AIRCRAFT
       ..C-135 AIRCRAFT
       ..C-140 AIRCRAFT
       ..C-141 AIRCRAFT
       ..C-160 AIRCRAFT
       ..CL-44 AIRCRAFT
       ..DC 3 AIRCRAFT
       ..DC 7 AIRCRAFT
       ..F-27 AIRCRAFT
       ..P-160 AIRCRAFT
       ..P-166 AIRCRAFT
       ..SPANLOADER AIRCRAFT
       ..YC-14 AIRCRAFT
  RT   AIR CARGO
     % AIRCRAFT
       BOEING 727 AIRCRAFT
       BOEING 737 AIRCRAFT
       BOEING 767 AIRCRAFT
       COMMERCIAL AIRCRAFT
       HEAVY LIFT HELICOPTERS
       JET AIRCRAFT
       MATERIALS HANDLING
       MERCURE AIRCRAFT
       MH-262 AIRCRAFT
     % MILITARY AIRCRAFT
       MONOPLANES
       PASSENGER AIRCRAFT
       SC-7 AIRCRAFT
       SUPERSONIC TRANSPORTS
       T-39 AIRCRAFT
       TU-154 AIRCRAFT
       UTILITY AIRCRAFT
       VC-10 AIRCRAFT

CARGO SHIPS
  1106 3401
  UF   LOTS CARGO SHIPS
  GS   SURFACE VEHICLES
       #CARGO SHIPS
       ..SAVANNAH NUCLEAR SHIP
       ..TANKER SHIPS
       WATER VEHICLES
       .SHIPS
       .#CARGO SHIPS
       ...SAVANNAH NUCLEAR SHIP
       ...TANKER SHIPS
  RT   ARTIFICIAL HARBORS
       DEEPWATER TERMINALS
       NUCLEAR POWERED SHIPS
       OFFSHORE DOCKING
       OFFSHORE PLATFORMS
       SHIPYARDS
       TANKER TERMINALS
       WHARVES

CARGO SPACECRAFT
  3110 3404
  RT   FERRY SPACECRAFT
     % SPACECRAFT

CARGOMASTER AIRCRAFT
  USE  C-133 AIRCRAFT

CARIBBEAN REGION
  1305
  RT   ANTIGUA AND BARBUDA
       BAHAMAS
       BARBADOS
       BELIZE
       CUBA
       DEVELOPING NATIONS
       DOMINICAN REPUBLIC
       FRENCH GUIANA
       GRENADA
       GUYANA
       HAITI
       JAMAICA
       MARTINIQUE
       SURINAM
       TRINIDAD AND TOBAGO
       VIRGIN ISLANDS
       WEST INDIES

CARIBBEAN SEA
  1305
  GS   SEAS
       #CARIBBEAN SEA
  RT   BELIZE
       CUBA
       DOMINICAN REPUBLIC
       GULF OF MEXICO
       GULF STREAM
       HAITI
       PANAMA CANAL ZONE
       VIRGIN ISLANDS

CARIBOU AIRCRAFT
  USE  DHC 4 AIRCRAFT

CARIBOUS
  0402
  GS   ANIMALS
       .VERTEBRATES
       ..MAMMALS
       ...DEER
       ...#CARIBOUS

CARNITINE
  0403 0405 1808
  GS   ORGANIC COMPOUNDS
       .CYCLIC COMPOUNDS
       ..HETEROCYCLIC COMPOUNDS
       ..#CARNITINE
       VITAMINS
       #CARNITINE

CARNOT CYCLE
  3303 3304 3501
  GS   CYCLES
       .THERMODYNAMIC CYCLES
       .#CARNOT CYCLE
  RT   ADIABATIC CONDITIONS
       RANKINE CYCLE
       STIRLING CYCLE

CAROTENE
  0403 0406 0409 1808 2306
  GS   ORGANIC COMPOUNDS
       .HYDROCARBONS
       .#CAROTENE
       PIGMENTS
       #CAROTENE
  RT   RETINENE
       SKIN (ANATOMY)

CAROTID SINUS BODY
  0404
  RT   ARTERIES
       BLOOD VESSELS
       CARDIOVASCULAR SYSTEM
       CAROTID SINUS REFLEX
       CHEMORECEPTORS
       CIRCULATORY SYSTEM
       NERVES
       SINUSES

CAROTID SINUS REFLEX
```

0404
GS REFLEXES
#CAROTID SINUS REFLEX
RT ARTERIES
BLOOD VESSELS
CARDIOVASCULAR SYSTEM
CAROTID SINUS BODY
CIRCULATORY SYSTEM
HEART FUNCTION
NERVES
SINUSES

CARPATHIAN MOUNTAINS (EUROPE)
1306
GS LANDFORMS
.MOUNTAINS
.#CARPATHIAN MOUNTAINS (EUROPE)
RT EUROPE

CARRIAGES
0202 1103 1502 1504 3202
RT CARTS
CHASSIS
DOLLIES
FRAMES
LANDING GEAR
SUPPORTS
UNDERCARRIAGES

CARRIER DENSITY (SOLID STATE)
1302
GS DENSITY (NUMBER/VOLUME)
.PARTICLE DENSITY (CONCENTRATION)
..ELECTRON DENSITY (CONCENTRATION)
..#CARRIER DENSITY (SOLID STATE)
RT ACCEPTOR MATERIALS
CARRIER LIFETIME
CARRIER TRANSPORT (SOLID STATE)
% CARRIERS
DONOR MATERIALS
ELECTRON-HOLE DROPS
SEMICONDUCTORS (MATERIALS)
ZENER EFFECT

CARRIER FREQUENCIES
0702 0705
GS FREQUENCIES
#CARRIER FREQUENCIES
RT CARRIER TO NOISE RATIOS
FREQUENCY DIVISION MULTIPLEXING
HARMONIC GENERATIONS
MODULATION
MULTIPLEXING
RADIO FREQUENCIES
SINGLE CHANNEL PER CARRIER
TRANSMISSION
SWEEP FREQUENCY
UNIFIED S BAND

CARRIER INJECTION
0906 1002 2602
GS INJECTION
#CARRIER INJECTION
RT ADDITIVES
BARRITT DIODES
BIPOLAR TRANSISTORS
CARRIER LIFETIME
CHARGE CARRIERS
CHARGE TRANSFER
INJECTION LOCKING
ION INJECTION
MAJORITY CARRIERS
MINORITY CARRIERS
RADIATIVE RECOMBINATION
SEMICONDUCTORS (MATERIALS)
SUHL EFFECT
TRAVELING SOLVENT METHOD

CARRIER LIFETIME
1002
GS LIFE (DURABILITY)
#CARRIER LIFETIME
RT CARRIER DENSITY (SOLID STATE)
CARRIER INJECTION
CARRIER MOBILITY
CARRIER TRANSPORT (SOLID STATE)
CHARGE CARRIERS
MINORITY CARRIERS
SOLAR CELLS

CARRIER MOBILITY
0906 1002 2602
GS ELECTRICAL PROPERTIES
#CARRIER MOBILITY
..ELECTRON MOBILITY
..HOLE MOBILITY
MOBILITY
#CARRIER MOBILITY
..ELECTRON MOBILITY
..HOLE MOBILITY
TRANSPORT PROPERTIES
#CARRIER MOBILITY
..ELECTRON MOBILITY
..HOLE MOBILITY
RT CARRIER LIFETIME
ELECTRICAL RESISTIVITY
ELECTROMAGNETIC PROPERTIES
EXCITONS
HALL EFFECT
ION IMPLANTATION
SUPERCONDUCTORS

CARRIER MODULATION
USE MODULATION

CARRIER ROCKETS
USE LAUNCH VEHICLES

CARRIER SYSTEMS
USE WIRELESS COMMUNICATION

CARRIER TO NOISE RATIOS
0703
RT CARRIER FREQUENCIES
COMMUNICATION SATELLITES
DATA TRANSMISSION
DOWNLINKING
EARTH TERMINALS
FREQUENCY MODULATION
SIGNAL TO NOISE RATIOS
TRANSMISSION EFFICIENCY
UPLINKING

CARRIER TRANSPORT (SOLID STATE)
0906
RT CARRIER DENSITY (SOLID STATE)
CARRIER LIFETIME
DIFFUSION LENGTH
ENERGY CONVERSION EFFICIENCY
SOLAR CELLS

CARRIER WAVES
0702 0703 0710 2402
UF SUBCARRIER WAVES
RT MODULATION
RADIO SPECTRA

% CARRIERS
0203 0207 1002 1104 2403
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT AIRCRAFT CARRIERS
CARRIER DENSITY (SOLID STATE)
CHARGE CARRIERS
ZENER EFFECT

CARRINGTON ROTATION
USE SOLAR ROTATION

CARTAN SPACE
1202 1902
RT COMPRESSIBLE FLOW
FLUID FLOW
POTENTIAL FLOW

```
    % SPACE

CARTESIAN COORDINATES
  1304 1902 1303
  UF   RECTANGULAR COORDINATES
  GS   COORDINATES
       #CARTESIAN COORDINATES
       GEOMETRY
       .EUCLIDEAN GEOMETRY
       .#CARTESIAN COORDINATES
  RT   CYLINDRICAL COORDINATES
       OBLIQUE COORDINATES

CARTILAGE
  0404
  GS   ANATOMY
       .MUSCULOSKELETAL SYSTEM
       ..CONNECTIVE TISSUE
       ..#CARTILAGE
  RT   BONES
       LARYNX

CARTOGRAPHY
  USE  MAPPING

CARTRIDGE ACTUATED DEVICES
  USE  ACTUATORS
       EXPLOSIVE DEVICES

CARTRIDGES
  1502 3302 3401
  RT   CASES (CONTAINERS)
     % CONTAINERS
       PACKAGES
       PROJECTILES
       PROPELLANTS

CARTS
  1101 1103
  RT   CARRIAGES
       MATERIALS HANDLING
       UNDERCARRIAGES

CASCADE CONTROL
  1003
  UF   MULTILOOP SYSTEMS
  GS   AUTOMATIC CONTROL
       .FEEDBACK CONTROL
       .#CASCADE CONTROL
  RT % CASCADES
     % CONTROL
       ELECTRONIC CONTROL
       OPTICAL CONTROL
       REMOTE CONTROL

CASCADE FLOW
  0101 1202
  GS   FLUID FLOW
       #CASCADE FLOW
  RT % CASCADES
       OUTLET FLOW
       TURBOMACHINE BLADES

CASCADE RANGE (CA-OR-WA)
  1305
  GS   LAND
       #CASCADE RANGE (CA-OR-WA)
       LANDFORMS
       .MOUNTAINS
       .#CASCADE RANGE (CA-OR-WA)
  RT   CALIFORNIA
       OREGON
       UNITED STATES
       WASHINGTON

CASCADE WIND TUNNELS
  1110
  GS   TEST FACILITIES
       .WIND TUNNELS
       ..HYPERSONIC WIND TUNNELS
       ..#CASCADE WIND TUNNELS
       ..HYPERVELOCITY WIND TUNNELS
       ..#CASCADE WIND TUNNELS
  RT   HYPERSONIC FLOW
       SHOCK TUNNELS

% CASCADES
  0102 0104 0902 1001 1002 1201 2311
  3501
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   CASCADE CONTROL
       CASCADE FLOW
       CIRCUITS
       COSMIC RAY SHOWERS
       ELECTRON PHOTON CASCADES

CASCADES (FLUID DYNAMICS)
  USE  FLUID DYNAMICS

CASCODE MOSFET
  USE  FIELD EFFECT TRANSISTORS

CASE BONDED PROPELLANTS
  2702 2808
  GS   PROPELLANTS
       .SOLID PROPELLANTS
       .#CASE BONDED PROPELLANTS
  RT   AMMUNITION
       COMPOSITE PROPELLANTS
       EXPLOSIVES
       HYBRID PROPELLANTS
       INHIBITORS
       PLASTICIZERS
       SOLID ROCKET PROPELLANTS

CASE HISTORIES
  0405 0408 0410 3402 3403
  GS   HISTORIES
       #CASE HISTORIES
  RT   ANTHROPOLOGY
       BIOGRAPHY
       CLINICAL MEDICINE
       DOCUMENTATION
       ETIOLOGY
       PHENOMENOLOGY
       RECORDS
       SOCIOLOGY

CASES (CONTAINERS)
  0202 0405 1103 1502 1504 3203 3403
  GS  #CASES (CONTAINERS)
       .ROCKET ENGINE CASES
  RT   BOXES (CONTAINERS)
       CARTRIDGES
     % CONTAINERS
       MISSILE BODIES
       PACKAGES
     % SHELVES

% CASING
  1501 1504
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   COVERINGS
       ENCLOSURE
       JACKETS
       LININGS
       PIPES (TUBES)
       SHEATHS

CASKS
  USE  BARRELS (CONTAINERS)

CASPIAN SEA
  1305
  GS   SEAS
       #CASPIAN SEA
  RT   COASTS

CASSEGRAIN ANTENNAS
  0705 0901
  GS   ANTENNAS
```

```
      #CASSEGRAIN ANTENNAS
  RT  ANTENNA DESIGN
      GREGORIAN ANTENNAS
      PARABOLIC ANTENNAS
      REFLECTOR ANTENNAS
      SUBREFLECTORS
      TWO REFLECTOR ANTENNAS

CASSEGRAIN OPTICS
  1411 1412 2306 2310 3009
  RT  FIBER OPTICS
      GEOMETRICAL OPTICS
      MIRRORS
    % OPTICS
      REFLECTING TELESCOPES
      TELESCOPES

CASSINI MISSION
  3108 3409
  GS  SPACE MISSIONS
      #CASSINI MISSION
  RT  EUROPEAN SPACE AGENCY
      EUROPEAN SPACE PROGRAMS
      INTERNATIONAL COOPERATION
      MARINER MARK 2 SPACECRAFT
    % MISSIONS
      NASA SPACE PROGRAMS
      SATURN (PLANET)
      SPACE EXPLORATION
      SPACE PROBES
      TITAN

CASSIOPEIA A
  0705 3001
  GS  CELESTIAL BODIES
      .NEBULAE
      .#CASSIOPEIA A
      .RADIO SOURCES (ASTRONOMY)
      .#CASSIOPEIA A
  RT  ORION NEBULA

CASSIOPEIA CONSTELLATION
  3001
  GS  CONSTELLATIONS
      #CASSIOPEIA CONSTELLATION
  RT  CELESTIAL BODIES
      CELESTIAL SPHERE
      STARS

CAST ALLOYS
  1504 1701
  GS  ALLOYS
      #CAST ALLOYS
  RT  CASTINGS
      MECHANICAL PROPERTIES
      MICROSTRUCTURE
      RHEOCASTING
      SQUEEZE CASTING

CASTIGLIANO VARIATIONAL THEOREM
  1902 3203
  GS  THEOREMS
      #CASTIGLIANO VARIATIONAL THEOREM
  RT  CALCULUS OF VARIATIONS
      ENERGY METHODS
      EULER-LAGRANGE EQUATION
      STRESS ANALYSIS
      STRUCTURAL ANALYSIS

CASTING
  0602 1504 1701 1704 3404
  GS  FORMING TECHNIQUES
      #CASTING
      ..CENTRIFUGAL CASTING
      ..INVESTMENT CASTING
      ..PROPELLANT CASTING
      ..RHEOCASTING
      ..SAND CASTING
      ..SLIP CASTING
      ..SQUEEZE CASTING
  RT  BAKING
      BILLETS
      DIES
      EXTRUDING
      FORGING
      INCLUSIONS
      INGOTS
      LIQUID METALS
      MELTING
      METAL WORKING
    % METALLURGY
      MICROSTRUCTURE
      MOLDING MATERIALS
      MOLDS
      MUSHY ZONES
      PINHOLES
      POLYMERIC FILMS
      POURING
      PULTRUSION
      RESIN TRANSFER MOLDING
      SHRINKAGE
      SOLIDIFICATION

CASTING SOLVENTS
  USE PLASTICIZERS

CASTINGS
  1504 1701 1704
  GS  #CASTINGS
      .INGOTS
      .PROPELLANT CASTING
  RT  BILLETS
      CAST ALLOYS
      DEFECTS
      DEGASSING
      FLAT PATTERNS
      INCLUSIONS
      MICROSTRUCTURE
      MOLDS
      PINHOLES
      POURING
      RISERS
      SOLIDIFICATION

CASTOR OIL
  0403 0405 1808
  GS  OILS
      #CASTOR OIL
      ORGANIC COMPOUNDS
      .LIPIDS
      .#CASTOR OIL
  RT  FATTY ACIDS

CASTOR 2 ENGINE
  USE TX-354 ENGINE

CASTS
  0405
  RT  DAMAGE ASSESSMENT
      GAUZE
      PLASTERS
      SPLINTS

CASUALTIES
  3401 3406
  RT  DEATH
      DISASTERS
      EVACUATING (TRANSPORTATION)

CAT SCANNER
  USE COMPUTER AIDED TOMOGRAPHY

CATABOLISM
  0403 0404
  GS  METABOLISM
      #CATABOLISM
  RT  PHYSIOLOGY

CATACLYSMIC VARIABLES
  3001
  GS  CELESTIAL BODIES
      .STARS
      ..DOUBLE STARS
      ...BINARY STARS
      ...#CATACLYSMIC VARIABLES
```

..VARIABLE STARS
..#CATACLYSMIC VARIABLES
RT DWARF STARS
ECLIPSING BINARY STARS
FLARE STARS
HOT STARS
NOVAE
PERIODIC VARIATIONS
SOLAR OSCILLATIONS
STELLAR FLARES
STELLAR MASS EJECTION
STELLAR OSCILLATIONS
WHITE DWARF STARS

CATALASE
0403 1808
GS BIOPOLYMERS
.PROTEINS
..ENZYMES
..#CATALASE
ORGANIC COMPOUNDS
.PROTEINS
..ENZYMES
..#CATALASE
RT CELLS (BIOLOGY)

% CATALOGS
0803 3405
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT ASTRONOMICAL CATALOGS
CATALOGS (PUBLICATIONS)
HARDWARE UTILIZATION LISTS
INDEXES (DOCUMENTATION)
LISTS

CATALOGS (PUBLICATIONS)
3405
GS DOCUMENTS
#CATALOGS (PUBLICATIONS)
..ASTRONOMICAL CATALOGS
RT % CATALOGS
CATEGORIES
DOCUMENTATION
INFORMATION DISSEMINATION
LIBRARIES

CATALYSIS
0403 0602
GS #CATALYSIS
.AUTOCATALYSIS
RT % ACCELERATION
ACTIVATION
CATALYTIC ACTIVITY
CRACKING (CHEMICAL ENGINEERING)
FISCHER-TROPSCH PROCESS
REACTION KINETICS

CATALYSTS
0403 0603 1804 1808
GS #CATALYSTS
.ELECTROCATALYSTS
.HOPCALITE (TRADEMARK)
.ZIEGLER CATALYST
RT ACCELERATING AGENTS
ADDITIVES
ADMIXTURES
COAL DERIVED GASES
COAL DERIVED LIQUIDS
ENZYMES
GRIGNARD REACTIONS
HIGH ENERGY FUELS
INHIBITORS
% INITIATORS
PLATINUM BLACK
PROPELLANT ADDITIVES
REAGENTS
RETARDANTS

CATALYTIC ACTIVITY
0403 0603
RT ACTIVITY (BIOLOGY)
AUTOCATALYSIS
CATALYSIS
CRACKING (CHEMICAL ENGINEERING)
FISCHER-TROPSCH PROCESS

CATAPULTS
0203 1504 3102 3103
GS LAUNCHERS
#CATAPULTS
..ROCKET CATAPULTS
RT AIRCRAFT LAUNCHING DEVICES
MISSILE LAUNCHERS
SEA LAUNCHING

CATARACTS
0405
GS DISEASES
.EYE DISEASES
.#CATARACTS
RT LENSES
OCCUPATIONAL DISEASES

CATASTROPHE THEORY
1902
RT DISCONTINUITY
DIVERGENCE
PREDICTIONS
% THEORIES
TOPOLOGY

CATCHERS
0903 1506
RT ELECTRON BUNCHING
KLYSTRONS
OUTPUT

CATCHMENT AREAS
USE WATERSHEDS

CATECHOLAMINE
0403 1808
GS AMINES
#CATECHOLAMINE
..EPINEPHRINE
...NOREPINEPHRINE
RT HORMONES
NEUROTRANSMITTERS

CATEGORIES
1902
RT CATALOGS (PUBLICATIONS)
CLASSES
% GROUPS
% SECTIONS

CATENARIES
1902
GS GEOMETRY
.CURVES (GEOMETRY)
.#CATENARIES
.EUCLIDEAN GEOMETRY
..ANALYTIC GEOMETRY
..#CATENARIES

CATHETERIZATION
0405
RT BLOOD VESSELS
INTRAVENOUS PROCEDURES

CATHETOMETERS
1406 1412
GS MEASURING INSTRUMENTS
.OPTICAL MEASURING INSTRUMENTS
.#CATHETOMETERS
OPTICAL EQUIPMENT
.OPTICAL MEASURING INSTRUMENTS
.#CATHETOMETERS

CATHODE GLOW
0603
GS EMISSION
.LIGHT EMISSION

```
        ..LUMINESCENCE
        ..#CATHODE GLOW
  RT    CATHODOLUMINESCENCE
        GLOW DISCHARGES
        RAREFIED PLASMAS

CATHODE RAY TUBES
  0701 0702 0905 1506
  GS    ELECTRON TUBES
        .VACUUM TUBES
        .#CATHODE RAY TUBES
        ...PICTURE TUBES
  RT    DISPLAY DEVICES
        ELECTRON GUNS
        ELECTRON OPTICS
        IMAGE TUBES
        MAGNETIC LENSES
        OSCILLOSCOPES
        PRINTERS
        RASTER SCANNING
        TELEVISION EQUIPMENT
        VIDEO EQUIPMENT

CATHODES
  0604 0904 0905 0906 1504 2304
  GS    ELECTRODES
        #CATHODES
        ..CELL CATHODES
        ..HOLLOW CATHODES
        ..TUBE CATHODES
        ...COLD CATHODES
        ...HOT CATHODES
        ...PHOTOCATHODES
        ...THERMIONIC CATHODES
        ...TUNNEL CATHODES
  RT    ANODES
        COLD CATHODE TUBES
        ELECTRODE MATERIALS
        ELECTRON EMISSION
      % FILAMENTS
        FREQUENCY MODULATION
        PHOTOMULTIPLIERS
        PHOTOMULTIPLIER TUBES
        PHOTOTUBES
        THERMIONICS
        TUBE ANODES

CATHODIC COATINGS
  0603
  GS    COATINGS
        #CATHODIC COATINGS
  RT    ANODIC COATINGS
        CLADDING
        ELECTRODE MATERIALS
        ELECTRODEPOSITION
        ELECTROPLATING
        METAL OXIDES
        OXIDE FILMS
        OXIDES
        PLATING

CATHODOLUMINESCENCE
  0609
  GS    EMISSION
        .LIGHT EMISSION
        ..LUMINESCENCE
        ..#CATHODOLUMINESCENCE
  RT    CATHODE GLOW
        LIGHT SOURCES
        VISIBLE SPECTRUM

CATHOLYTES
  0603 0604 1202
  GS    CONDUCTORS
        .ELECTROLYTES
        .#CATHOLYTES
  RT    ANOLYTES
        CELL CATHODES
        DIAPHRAGMS (MECHANICS)

CATIONS
  0603 0604 1804
  GS    IONS
        .POSITIVE IONS
        .#CATIONS
        ...FORMYL IONS
        ...VANADYL RADICAL
  RT    ANIONS
        CELL CATHODES
        IONIC MOBILITY
        METAL IONS

CATS
  0402
  GS    ANIMALS
        .VERTEBRATES
        ..MAMMALS
        ..#CATS

CATT DEVICES
  0906
  UF    CONTROLLED AVALANCHE TRANSIT TIME
        DEVICES
  RT    ELECTRON AVALANCHE
        POWER GAIN
        TRANSIT TIME
        TRIODES

CATTLE
  0402
  GS    ANIMALS
        .VERTEBRATES
        ..MAMMALS
        ..#CATTLE
        ....CALVES
  RT    GRAZING
        LIVESTOCK
        RANGELANDS

CATV
  USE   CABLE TELEVISION

CAUCASUS MOUNTAINS (U.S.S.R.)
  1305
  GS    LANDFORMS
        .MOUNTAINS
        .#CAUCASUS MOUNTAINS (U.S.S.R.)
  RT    U.S.S.R.

CAUCHY INTEGRAL FORMULA
  1902
  GS    ANALYSIS (MATHEMATICS)
        .COMPLEX VARIABLES
        .#CAUCHY INTEGRAL FORMULA

CAUCHY PROBLEM
  1902
  UF    RIEMANN PROBLEM
  GS    BOUNDARY VALUE PROBLEMS
        #CAUCHY PROBLEM
  RT    DIFFERENTIAL EQUATIONS
      % PROBLEMS

CAUCHY-RIEMANN EQUATIONS
  1902 3501
  GS    ANALYSIS (MATHEMATICS)
        .REAL VARIABLES
        ..DIFFERENTIAL EQUATIONS
        ...PARTIAL DIFFERENTIAL EQUATIONS
        ...#CAUCHY-RIEMANN EQUATIONS
  RT    ANALYTIC FUNCTIONS
      % EQUATIONS

CAULKING
  3407
  RT    MOISTURE RESISTANCE
        PLUGGING
        SEALING
        WATERPROOFING

CAUSES
  2311 3407
  RT % EFFECTS
        ETIOLOGY
      % ORIGINS
```

```
     % SOURCES

CAUSTIC LINES
  0203
  RT    FLIGHT PATHS
        SHOCK WAVES
        SONIC BOOMS
        SUPERSONIC FLIGHT
        WAVE FRONTS

CAUSTICS
  USE   ALKALIES

CAUSTICS (OPTICS)
  0702
  RT    DIFFRACTION
        FRACTURE MECHANICS
     % OPTICS
        POLARIZED RADIATION
     % RAYS
        SURFACE DEFECTS

CAVES
  1306
  RT    CAVITIES
        KARST
        KETTLES (GEOLOGY)
        UNDERGROUND STRUCTURES

CAVITATION
  USE   CAVITATION FLOW

CAVITATION CORROSION
  1503 1702
  GS    CORROSION
        #CAVITATION CORROSION
  RT    CAVITATION FLOW
        CORROSION PREVENTION
        CORROSION RESISTANCE
        CORROSION TESTS
        EROSION

CAVITATION FLOW
  0101 1202
  UF    CAVITATION
        GASEOUS CAVITATION
  GS    FLUID FLOW
        .TURBULENT FLOW
        .#CAVITATION FLOW
  RT    BUBBLES
        CAVITATION CORROSION
        EROSION
        FLOW DISTRIBUTION
        IMPINGEMENT
        SEPARATED FLOW
        SUPERCAVITATING FLOW
        ULTRASONIC CLEANING
        VORTICES
        WAKES
        WATER

CAVITIES
  0405 0905 1104 1202 1305
  UF    BORES
  RT    APERTURES
        BOREHOLES
        CAVES
        CAVITY FLOW
     % CELLS
        CRACK GEOMETRY
        CRACKS
        DEFECTS
        DUCTS
        GAS POCKETS
        HOLE DISTRIBUTION (MECHANICS)
     % HOLES
        HOLES (MECHANICS)
     % HOLLOW
        INTERSTICES
        KARST
        KETTLES (GEOLOGY)
        LEAKAGE
        OPENINGS
        ORIFICES
        OUTLETS
        PASSAGEWAYS
        PERFORATED PLATES
        PERFORATED SHELLS
     % PERFORATION
        PORTS (OPENINGS)
        RECESSES
        TOOTH DISEASES
        VENTS
        VOIDS

CAVITONS
  1002
  RT    ELECTRIC FIELDS
        PLASMA DENSITY
        PLASMA PHYSICS
        PLASMA RESONANCE

CAVITY FLOW
  1202
  GS    FLUID FLOW
        #CAVITY FLOW
  RT    CAVITIES
        CHANNEL FLOW
        CORNER FLOW
        DUCTED FLOW
        ENGINE INLETS
     % FLOW
        FLUID BOUNDARIES
        OPEN CHANNEL FLOW
        PIPE FLOW

CAVITY RESONATORS
  0705 0710 1601 2304 2310 2402 2403
  UF    RESONANT CAVITIES
  GS    RESONATORS
        #CAVITY RESONATORS
        ..SUPERCONDUCTING CAVITY RESONATORS
  RT    CIRCULATORS (PHASE SHIFT CIRCUITS)
        CYCLOTRON RESONANCE DEVICES
        ELECTRON TUBES
        FIELD MODE THEORY
        HELMHOLTZ RESONATORS
        KLYSTRONS
        MAGNETRONS
        MICROWAVE RESONANCE
        MULTIMODE RESONATORS
        OSCILLATORS
        RESONANT FREQUENCIES
        TRAVELING WAVE MASERS
        VELOCITY MODULATION

CAVITY VAPOR GENERATORS
  1504
  RT %  GENERATORS
        VAPORIZERS
        VAPORS

CAYS
  USE   KEYS (ISLANDS)

CC-106 AIRCRAFT
  USE   CL-44 AIRCRAFT

CCD
  USE   CHARGE COUPLED DEVICES

CCD STAR TRACKER
  1410
  UF    STELLAR (STAR TRACKER)
  GS    TRACKING (POSITION)
        .STAR TRACKERS
        .#CCD STAR TRACKER
  RT    CELESTIAL NAVIGATION
        CHARGE COUPLED DEVICES
        SPACECRAFT GUIDANCE

CD-ROM
  9001
  GS    COMPUTER STORAGE DEVICES
        .READ-ONLY MEMORY DEVICES
```

```
      .#CD-ROM
  RT  DATA BASES
      INFORMATION RETRIEVAL
      INFORMATION SYSTEMS
      OPTICAL DISKS
      OPTICAL MEMORY (DATA STORAGE)

CDC COMPUTERS
  0801
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      .#CDC COMPUTERS
      ...CDC CYBER 74 COMPUTER
      ...CDC CYBER 170 SERIES COMPUTERS
      ....CDC CYBER 175 COMPUTER
      ...CDC CYBER 174 COMPUTER
      ...CDC CYBER 203 COMPUTER
      ...CDC CYBER 205 COMPUTER
      ...CDC STAR 100 COMPUTER
      ...CDC 160-A COMPUTER
      ...CDC 1604 COMPUTER
      ...CDC 3100 COMPUTER
      ...CDC 3200 COMPUTER
      ...CDC 3600 COMPUTER
      ...CDC 3800 COMPUTER
      ...CDC 6000 SERIES COMPUTERS
      ....CDC 6400 COMPUTER
      ....CDC 6600 COMPUTER
      ....CDC 6700 COMPUTER
      ...CDC 7000 SERIES COMPUTERS
      ....CDC 7600 COMPUTER
      ...CDC 8090 COMPUTER
  RT  DIGITAL COMPUTERS

CDC CYBER 74 COMPUTER
  0801
  UF  CYBER 74 COMPUTER
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..CDC COMPUTERS
      ..#CDC CYBER 74 COMPUTER
      ..DIGITAL COMPUTERS
      ..#CDC CYBER 74 COMPUTER

CDC CYBER 170 SERIES COMPUTERS
  0801
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..CDC COMPUTERS
      ..#CDC CYBER 170 SERIES COMPUTERS
      ....CDC CYBER 175 COMPUTER
      ..DIGITAL COMPUTERS
      ..#CDC CYBER 170 SERIES COMPUTERS

CDC CYBER 174 COMPUTER
  0801
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..CDC COMPUTERS
      ..#CDC CYBER 174 COMPUTER
      ..DIGITAL COMPUTERS
      ..#CDC CYBER 174 COMPUTER

CDC CYBER 175 COMPUTER
  0801
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..CDC COMPUTERS
      ...CDC CYBER 170 SERIES COMPUTERS
      ...#CDC CYBER 175 COMPUTER

CDC CYBER 203 COMPUTER
  0801
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..CDC COMPUTERS
      ..#CDC CYBER 203 COMPUTER
      ..DIGITAL COMPUTERS
      ..#CDC CYBER 203 COMPUTER

CDC CYBER 205 COMPUTER
  0801
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..CDC COMPUTERS
      ..#CDC CYBER 205 COMPUTER
      ..DIGITAL COMPUTERS
      ..#CDC CYBER 205 COMPUTER

CDC STAR 100 COMPUTER
  0801
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..CDC COMPUTERS
      ..#CDC STAR 100 COMPUTER
      ..DIGITAL COMPUTERS
      ..#CDC STAR 100 COMPUTER

CDC 160-A COMPUTER
  0801 3404
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..CDC COMPUTERS
      ..#CDC 160-A COMPUTER
      ..DIGITAL COMPUTERS
      ..#CDC 160-A COMPUTER

CDC 1604 COMPUTER
  0801
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..CDC COMPUTERS
      ..#CDC 1604 COMPUTER
      ..DIGITAL COMPUTERS
      ..#CDC 1604 COMPUTER

CDC 3100 COMPUTER
  0801
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..CDC COMPUTERS
      ..#CDC 3100 COMPUTER
      ..DIGITAL COMPUTERS
      ..#CDC 3100 COMPUTER

CDC 3200 COMPUTER
  0801
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..CDC COMPUTERS
      ..#CDC 3200 COMPUTER
      ..DIGITAL COMPUTERS
      ..#CDC 3200 COMPUTER

CDC 3600 COMPUTER
  0801
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..CDC COMPUTERS
      ..#CDC 3600 COMPUTER
      ..DIGITAL COMPUTERS
      ..#CDC 3600 COMPUTER

CDC 3800 COMPUTER
  0801
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..CDC COMPUTERS
      ..#CDC 3800 COMPUTER
      ..DIGITAL COMPUTERS
      ..#CDC 3800 COMPUTER

CDC 6000 SERIES COMPUTERS
  0801
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..CDC COMPUTERS
      ..#CDC 6000 SERIES COMPUTERS
      ....CDC 6400 COMPUTER
      ....CDC 6600 COMPUTER
      ....CDC 6700 COMPUTER
      ..DIGITAL COMPUTERS
      ..#CDC 6000 SERIES COMPUTERS
      ....CDC 6400 COMPUTER
      ....CDC 6600 COMPUTER
```

....CDC 6700 COMPUTER

CDC 6400 COMPUTER
0801
GS DATA PROCESSING EQUIPMENT
.COMPUTERS
..CDC COMPUTERS
...CDC 6000 SERIES COMPUTERS
...#CDC 6400 COMPUTER
..DIGITAL COMPUTERS
...CDC 6000 SERIES COMPUTERS
...#CDC 6400 COMPUTER

CDC 6600 COMPUTER
0801
GS DATA PROCESSING EQUIPMENT
.COMPUTERS
..CDC COMPUTERS
...CDC 6000 SERIES COMPUTERS
...#CDC 6600 COMPUTER
..DIGITAL COMPUTERS
...CDC 6000 SERIES COMPUTERS
...#CDC 6600 COMPUTER

CDC 6700 COMPUTER
0801
GS DATA PROCESSING EQUIPMENT
.COMPUTERS
..CDC COMPUTERS
...CDC 6000 SERIES COMPUTERS
...#CDC 6700 COMPUTER
..DIGITAL COMPUTERS
...CDC 6000 SERIES COMPUTERS
...#CDC 6700 COMPUTER

CDC 7000 SERIES COMPUTERS
0801
GS DATA PROCESSING EQUIPMENT
.COMPUTERS
..CDC COMPUTERS
..#CDC 7000 SERIES COMPUTERS
....CDC 7600 COMPUTER
..DIGITAL COMPUTERS
..#CDC 7000 SERIES COMPUTERS
....CDC 7600 COMPUTER

CDC 7600 COMPUTER
0801
GS DATA PROCESSING EQUIPMENT
.COMPUTERS
..CDC COMPUTERS
...CDC 7000 SERIES COMPUTERS
...#CDC 7600 COMPUTER
..DIGITAL COMPUTERS
...CDC 7000 SERIES COMPUTERS
...#CDC 7600 COMPUTER

CDC 8090 COMPUTER
0801
GS DATA PROCESSING EQUIPMENT
.COMPUTERS
..CDC COMPUTERS
..#CDC 8090 COMPUTER
..DIGITAL COMPUTERS
..#CDC 8090 COMPUTER

CDMA
USE CODE DIVISION MULTIPLE ACCESS

CEDAR RAPIDS (IA)
1305
GS CITIES
#CEDAR RAPIDS (IA)
RT IOWA

CEFOAM CHECKOUT EQUIPMENT
1108
RT CHECKOUT
% TEST EQUIPMENT

CEILING (AIRCRAFT CAPABILITY)
0201 2003
RT % AIRCRAFT
AIRCRAFT SPECIFICATIONS
% CEILINGS
FLIGHT ALTITUDE
FLIGHT CHARACTERISTICS

% CEILINGS
0203 1103 2003
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT CEILING (AIRCRAFT CAPABILITY)
CEILINGS (ARCHITECTURE)
CEILINGS (METEOROLOGY)

CEILINGS (ARCHITECTURE)
1103
RT BUILDINGS
% CEILINGS
% DIFFUSERS
FLOORS
INSULATION
PANELS
REFLECTORS

CEILINGS (METEOROLOGY)
2003
RT AIRCRAFT LANDING
% CEILINGS
CLOUD HEIGHT INDICATORS
METEOROLOGICAL PARAMETERS
METEOROLOGY
VISIBILITY

CEILOMETERS
USE CLOUD HEIGHT INDICATORS

CELESCOPES
1406 1412 3001
GS ELECTRON TUBES
.VACUUM TUBES
..MICROWAVE TUBES
..#CELESCOPES
MICROWAVE EQUIPMENT
.MICROWAVE TUBES
.#CELESCOPES
MIRRORS
#CELESCOPES
OPTICAL EQUIPMENT
.IMAGE CONVERTERS
.#CELESCOPES
TELESCOPES
#CELESCOPES
RT SOLAR INSTRUMENTS

CELESTIAL BODIES
1901 3001
GS #CELESTIAL BODIES
.ASTEROID BELTS
..ASTEROIDS
...AMOR ASTEROID
...AMPHITRITE ASTEROID
...APOLLO ASTEROIDS
...CERES ASTEROID
...CHIRON
...ICARUS ASTEROID
...TORO ASTEROID
...VESTA ASTEROID
.BLAZARS
..BL LACERTAE OBJECTS
.COMET HEADS
.COMET NUCLEI
.COMET TAILS
.COMETS
..AREND-ROLAND COMET
..AUSTIN COMET
..BRORSEN-METCALF COMET
..ENCKE COMET
..GIACOBINI-ZINNER COMET
..GRIGG-SKJELLERUP COMET
..HALLEY'S COMET
..HUMASON COMET
..IRAS-ARAKI-ALCOCK COMET

..KOHOUTEK COMET
..MOREHOUSE COMET
..MRKOS COMET
..OKAZAKI-LEVY-RUDENKO COMET
..SCHWASSMANN-WACHMANN COMET
..TEMPEL 2 COMET
..WEST COMET
.FAINT OBJECTS
.GALAXIES
..ACTIVE GALAXIES
...MARKARIAN GALAXIES
...RADIO GALAXIES
...SEYFERT GALAXIES
..COMPACT GALAXIES
..DISK GALAXIES
..DWARF GALAXIES
..ELLIPTICAL GALAXIES
..GALACTIC CLUSTERS
...LOCAL GROUP (ASTRONOMY)
...VIRGO GALACTIC CLUSTER
..INTERACTING GALAXIES
..IRREGULAR GALAXIES
..MAFFEI GALAXIES
..MAGELLANIC CLOUDS
..PECULIAR GALAXIES
..RING GALAXIES
..SHELL GALAXIES
..SPIRAL GALAXIES
...ANDROMEDA GALAXY
...BARRED GALAXIES
...MILKY WAY GALAXY
..STARBURST GALAXIES
.INFRARED SOURCES (ASTRONOMY)
..INFRARED STARS
.METEORITES
..IRON METEORITES
...AROOS METEORITE
...LAZAREV METEORITE
...ODESSA METEORITE
...SIKHOTE-ALIN METEORITE
..MICROMETEORITES
..STONY METEORITES
...ACHONDRITES
....BONDOC METEORITE
....CHASSIGNITES
....KAPOETA ACHONDRITE
....NAKHLITES
....NORTON COUNTY ACHONDRITE
....SHERGOTTITES
....UREILITES
...CARBONACEOUS METEORITES
....CARBONACEOUS CHONDRITES
.....ALAIS METEORITE
.....ALLENDE METEORITE
.....COLD BOKKEVELD METEORITE
.....IVUNA METEORITE
.....MURCHISON METEORITE
.....MURRAY METEORITE
.....ORGUEIL METEORITE
.....TONK METEORITE
....UREILITES
...CHONDRITES
....BRUDERHEIM METEORITE
....CARBONACEOUS CHONDRITES
.....ALAIS METEORITE
.....ALLENDE METEORITE
.....COLD BOKKEVELD METEORITE
.....IVUNA METEORITE
.....MURCHISON METEORITE
.....MURRAY METEORITE
.....ORGUEIL METEORITE
.....TONK METEORITE
....HARLETON METEORITE
....HVITTIS CHONDRITE
....OKHANSK METEORITE
....PANTAR CHONDRITES
....PRIBRAM METEORITE
...TEKTITES
....AUSTRALITES
....BEDIASITES
...TUNGUSK METEORITE
..STONY-IRON METEORITES
.METEOROID SHOWERS
..AQUARID METEOROIDS
..ARIETID METEOROIDS
..CYRILLID METEOROIDS
..DRACONID METEOROIDS
..GEMINID METEOROIDS
..LEONID METEOROIDS
..ORIONID METEOROIDS
..PERSEID METEOROIDS
..QUADRANTID METEOROIDS
..TAURID METEOROIDS
.METEOROIDS
..AQUARID METEOROIDS
..ARIETID METEOROIDS
..BOLIDES
...CYRILLID METEOROIDS
..DRACONID METEOROIDS
..GEMINID METEOROIDS
..LEONID METEOROIDS
..MICROMETEOROIDS
...METEOROID DUST CLOUDS
....ZODIACAL DUST
..ORIONID METEOROIDS
..PERSEID METEOROIDS
..QUADRANTID METEOROIDS
..RADIO METEORS
..SPORADIC METEOROIDS
..TAURID METEOROIDS
.MOONLETS
.NATURAL SATELLITES
..CHARON
..ICY SATELLITES
...ARIEL
...CALLISTO
...DIONE
...ENCELADUS
...EUROPA
...GANYMEDE
...HYPERION
...IAPETUS
...MIMAS
...RHEA (ASTRONOMY)
...TETHYS
...TITANIA
..JUPITER SATELLITES
...AMALTHEA
...GALILEAN SATELLITES
....CALLISTO
....EUROPA
....GANYMEDE
....IO
..MARS SATELLITES
...DEIMOS
...PHOBOS
..MOON
..NEPTUNE SATELLITES
...NEREID
...TRITON
..SATURN SATELLITES
...DIONE
...ENCELADUS
...HYPERION
...IAPETUS
...JANUS
...MIMAS
...PHOEBE
...RHEA (ASTRONOMY)
...TETHYS
...TITAN
..URANUS SATELLITES
...ARIEL
...MIRANDA
...OBERON
...TITANIA
...UMBRIEL
.NEBULAE
..CASSIOPEIA A
..CRAB NEBULA
..GUM NEBULA
..H I REGIONS
..H II REGIONS
..HERBIG-HARO OBJECTS
..ORION NEBULA

..PLANETARY NEBULAE
..REFLECTION NEBULAE
.PLANETARY RINGS
..JUPITER RINGS
..SATURN RINGS
..URANUS RINGS
.PLANETS
..EXTRASOLAR PLANETS
..GAS GIANT PLANETS
...JUPITER (PLANET)
...NEPTUNE (PLANET)
...SATURN (PLANET)
...URANUS (PLANET)
..PLUTO (PLANET)
..TERRESTRIAL PLANETS
...EARTH (PLANET)
...MARS (PLANET)
...MERCURY (PLANET)
...VENUS (PLANET)
.PROTOPLANETS
.RADIO SOURCES (ASTRONOMY)
..CASSIOPEIA A
..EXTRAGALACTIC RADIO SOURCES
...RADIO GALAXIES
...RADIO JETS (ASTRONOMY)
..QUASARS
..RADIO STARS
...PULSARS
.SOLAR SYSTEM
.STAR CLUSTERS
..GLOBULAR CLUSTERS
..OPEN CLUSTERS
...PLEIADES CLUSTER
...PRAESEPE STAR CLUSTERS
.STARS
..BLACK HOLES (ASTRONOMY)
..BROWN DWARF STARS
..DOUBLE STARS
...BINARY STARS
....CATACLYSMIC VARIABLES
....COMPANION STARS
.....NEMESIS (STAR)
....ECLIPSING BINARY STARS
.....DWARF NOVAE
.....LAMBDA TAURI STARS
.....ZETA AURIGAE STAR
....SIGMA ORIONIS
....SYMBIOTIC STARS
....X RAY BINARIES
..EARLY STARS
...HOT STARS
....A STARS
....B STARS
.....SIGMA ORIONIS
....BLUE STARS
....O STARS
....WHITE DWARF STARS
....WOLF-RAYET STARS
..F STARS
..G STARS
...SUN
..GIANT STARS
...ASYMPTOTIC GIANT BRANCH STARS
...OMICRON CETI STAR
...RED GIANT STARS
....CARBON STARS
..HORIZONTAL BRANCH STARS
..INFRARED STARS
..LATE STARS
...COOL STARS
....CARBON STARS
....FLARE STARS
....K STARS
....M STARS
.....VAN BIESBROECK STAR
....MIRA VARIABLES
.....OMICRON CETI STAR
....S STARS
..MAGNETIC STARS
..MAIN SEQUENCE STARS
...DWARF STARS
....DWARF NOVAE
....FLARE STARS
....RED DWARF STARS
...SUN
..MASSIVE STARS
..METALLIC STARS
..NEUTRON STARS
...PULSARS
..PECULIAR STARS
...SHELL STARS
...SIGMA ORIONIS
...SYMBIOTIC STARS
..PRAESEPE STAR CLUSTERS
..PROTOSTARS
...PRE-MAIN SEQUENCE STARS
....T TAURI STARS
..RADIO STARS
...PULSARS
..REFERENCE STARS
..SUBDWARF STARS
..SUBGIANT STARS
..SUPERGIANT STARS
...R CORONAE BOREALIS STARS
..SUPERMASSIVE STARS
..TRIPLE STARS
..VARIABLE STARS
...CATACLYSMIC VARIABLES
...CEPHEID VARIABLES
...FLARE STARS
...IRREGULAR VARIABLE STARS
....R CORONAE BOREALIS STARS
...LAMBDA TAURI STARS
...MIRA VARIABLES
....OMICRON CETI STAR
...NOVAE
....DWARF NOVAE
....HERCULES NOVA
...SEMIREGULAR VARIABLE STARS
...SUPERNOVAE
....SUPERNOVA 1987A
...SYMBIOTIC STARS
...T TAURI STARS
..WHITE HOLES (ASTRONOMY)
..X RAY STARS
...X RAY BINARIES
.STELLAR SYSTEMS
RT ARIES CONSTELLATION
ASTEROID CAPTURE
ASTRODYNAMICS
ASTROLABES
ASTRONOMICAL OBSERVATORIES
ASTRONOMY
ASTROPHYSICS
% BODIES
CASSIOPEIA CONSTELLATION
CENTAURUS CONSTELLATION
CORONA BOREALIS CONSTELLATION
CYGNUS CONSTELLATION
GRAVITATIONAL WAVES
IMPACT MELTS
INTERSTELLAR MATTER
LYRA CONSTELLATION
ORBITS
SOLAR NEIGHBORHOOD
SPACE FLIGHT
UNIVERSE

CELESTIAL GEODESY
1304 1901 3001
GS GEODESY
#CELESTIAL GEODESY
RT EXPLORER 29 SATELLITE
EXPLORER 36 SATELLITE
GEODETIC SATELLITES
GEOS 1 SATELLITE
GEOS 2 SATELLITE
GEOS 3 SATELLITE
INTERNATIONAL SATELLITE GEODESY
EXPERIMENT
TIME

CELESTIAL MECHANICS
1309 1901 2308 3001
GS CLASSICAL MECHANICS

.SPACE MECHANICS
.#CELESTIAL MECHANICS
RT ASTRODYNAMICS
ASTRONOMY
ASTROPHYSICS
EPHEMERIDES
EQUATIONS OF MOTION
FOUR BODY PROBLEM
GRAVITATIONAL WAVES
HYPERBOLIC TRAJECTORIES
LAGRANGIAN EQUILIBRIUM POINTS
LONG TERM EFFECTS
MANY BODY PROBLEM
% MECHANICS (PHYSICS)
ORBITAL MECHANICS
ORBITAL RESONANCES (CELESTIAL MECHANICS)
ORBITS
PERTURBATION THEORY
PLANETS
ROCHE LIMIT
SCHACH EFFECT
SOLAR SYSTEM
STARS
STELLAR ORBITS
SUN
TERRESTRIAL PLANETS
THREE BODY PROBLEM
TRAJECTORY ANALYSIS
TROJAN ORBITS
TWO BODY PROBLEM
WOLF-RAYET STARS

CELESTIAL NAVIGATION
1901 2103
GS NAVIGATION
#CELESTIAL NAVIGATION
..ASTROGUIDE NAVIGATION SYSTEM
..ASTRONAVIGATION
RT AIR NAVIGATION
AUTONOMOUS NAVIGATION
CCD STAR TRACKER
INERTIAL NAVIGATION
INJECTION GUIDANCE
INTERPLANETARY NAVIGATION
POLAR NAVIGATION
RADAR NAVIGATION
RADIO NAVIGATION
REFERENCE STARS
SOLAR POSITION
SPACE NAVIGATION
SPACECRAFT GUIDANCE
STAR TRACKERS
SURFACE NAVIGATION

CELESTIAL OBSERVATION
USE ASTRONOMY

CELESTIAL REFERENCE SYSTEMS
1901 2103 3001 3009 3104
RT AIR NAVIGATION
ASTRONOMICAL COORDINATES
ASTRONOMICAL MAPS
AZIMUTH
COORDINATES
GEOCENTRIC COORDINATES
INERTIAL REFERENCE SYSTEMS
INTERPLANETARY NAVIGATION
INTERSTELLAR TRAVEL
PLANETOCENTRIC COORDINATES
% REFERENCE SYSTEMS
SOLAR LONGITUDE
SPHERICAL COORDINATES
% SYSTEMS

CELESTIAL SPHERE
1901 1904 3006 3009
GS SYMMETRICAL BODIES
.BODIES OF REVOLUTION
..SPHERES
..#CELESTIAL SPHERE
RT ARIES CONSTELLATION
ASTRONOMICAL MAPS
CASSIOPEIA CONSTELLATION
CENTAURUS CONSTELLATION
CONSTELLATIONS
CORONA BOREALIS CONSTELLATION
CYGNUS CONSTELLATION
HORIZON
LYRA CONSTELLATION
ORBITAL POSITION ESTIMATION
PLANISPHERES
ZENITH

CELL ANODES
0302 0604
GS ELECTRODES
.ANODES
.#CELL ANODES
RT ANIONS
ANOLYTES
CELL CATHODES
ELECTRODE MATERIALS

CELL CATHODES
0302 0604
GS ELECTRODES
.CATHODES
.#CELL CATHODES
RT CATHOLYTES
CATIONS
CELL ANODES
ELECTRODE MATERIALS
ELECTRODEPOSITION

CELL DIVISION
0404 0406 0407
GS CYTOGENESIS
#CELL DIVISION
RT % DIVISION
MITOSIS
REPRODUCTION (BIOLOGY)

CELL MEMBRANES (BIOLOGY)
0404 0406 0409
GS MEMBRANES
#CELL MEMBRANES (BIOLOGY)
RT CELLS (BIOLOGY)
CYTOLOGY
OSMOSIS

CELLOPHANE
1802 1805
RT CELLULOSE
% POLYMERS

% CELLS
0302 0406 0904 1104 3202 3402
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT ACTIVATION (BIOLOGY)
CAVITIES
CELLS (BIOLOGY)
COMPARTMENTS
CORES
ELECTROCHEMICAL CELLS
ELECTROLYTIC CELLS
FILLERS
FUEL CELLS
GEOPHYSICAL FLUID FLOW CELLS
HEXAGONAL CELLS
HONEYCOMB STRUCTURES
KERR CELLS
LITHIUM SULFUR BATTERIES
PARTICLE IN CELL TECHNIQUE
PHOTOCONDUCTIVE CELLS
PHOTOELECTRIC CELLS
PHOTOVOLTAIC CELLS
POROUS MATERIALS
RESOLUTION CELL
SOLAR CELLS
TISSUES (BIOLOGY)
TOPOLOGY

```
CELLS (BIOLOGY)
  0404 0406 0409
  UF   BIOLOGICAL CELLS
  GS  #CELLS (BIOLOGY)
        .BLOOD CELLS
        ..ERYTHROCYTES
        ...RETICULOCYTES
        ..HEMOCYTES
        ..LEUKOCYTES
        ...EOSINOPHILS
        ...LYMPHOCYTES
        .EUKARYOTES
        .FIBROBLASTS
        .GAMETOCYTES
        ..EGGS
        ..SPERMATOZOA
        .MACROPHAGES
        .NEURONS
        ..AXONS
        ..NEUROBLASTS
        .PROKARYOTES
        .PROTOPLASTS
  RT    ANATOMY
      % BIOLOGY
        CANCER
        CATALASE
        CELL MEMBRANES (BIOLOGY)
      % CELLS
        CHLOROPHYLLS
        CHLOROPLASTS
        CHROMOSOMES
        CYTOGENESIS
        CYTOLOGY
        CYTOMETRY
        CYTOPLASM
        ENDOPLASMIC RETICULUM
        ENDOTHELIUM
        GANGLIA
        HEMATOPOIESIS
        HEMOGLOBIN
        HISTOCHEMICAL ANALYSIS
        KREBS CYCLE
        LYSOSOMES
        MITOCHONDRIA
        MITOSIS
        MUTAGENS
        MUTATIONS
        NEUROGLIA
        NEUROTRANSMITTERS
        NUCLEI (CYTOLOGY)
        ORGANELLES
        ORGANS
        PLASMOLYSIS
        SARCOPLASMIC RETICULUM
        TISSUES (BIOLOGY)

CELLULAR MATERIALS (NON BIOLOGICAL)
  USE   FOAMS

CELLULOSE
  0403 0409 1808
  GS    ORGANIC COMPOUNDS
        .CARBOHYDRATES
        ..POLYSACCHARIDES
        ..#CELLULOSE
        ....FORTISAN (TRADEMARK)
  RT    CELLOPHANE
        LIGNIN
        MASONITE (TRADEMARK)
        SYNTHETIC FOOD
        TENITE
        WOOD

CELLULOSE NITRATE
  1808 2702 3302
  UF    NITROCELLULOSE
        PYROXYLIN
  GS    ESTERS
        .ORGANIC NITRATES
        .#CELLULOSE NITRATE
        EXPLOSIVES
        #CELLULOSE NITRATE
        NITROGEN COMPOUNDS
        .NITRATES
        ..ORGANIC NITRATES
        ..#CELLULOSE NITRATE
  RT    DOUBLE BASE PROPELLANTS
        DOUBLE BASE ROCKET PROPELLANTS

CEMENTATION
  1306 1704
  RT    ADHESIVE BONDING
        AGGLOMERATION
        AGGLUTINATION
        BONDING
        HEATING
        PRECIPITATION (CHEMISTRY)

CEMENTITE
  1701 1704 1804
  GS    CARBON COMPOUNDS
        .CARBIDES
        .#CEMENTITE
  RT    IRON ALLOYS
        MICROSTRUCTURE
        PEARLITE
        STEELS

CEMENTS
  1805
  RT    ADHESIVES
        BINDERS (MATERIALS)
        BRICKS
        CONCRETES
      % CONSTRUCTION MATERIALS
        GROUT
        MASONRY
        MORTARS (MATERIAL)
        SEALING

CEMS SYSTEM
  USE   CENTRAL ELECTRONIC MANAGEMENT
        SYSTEM

CENOZOIC ERA
  1306
  GS   #CENOZOIC ERA
        .TERTIARY PERIOD
  RT    CRETACEOUS-TERTIARY BOUNDARY
        EXTINCTION
        GEOCHRONOLOGY
        PALEONTOLOGY

CENSORED DATA (MATHEMATICS)
  1902 1905
  GS    DATA PROCESSING
        #CENSORED DATA (MATHEMATICS)
  RT    APPROXIMATION
      % DATA
        ERROR ANALYSIS
        PROBABILITY DENSITY FUNCTIONS
        RELIABILITY
        SAMPLING
        STATISTICAL ANALYSIS
        STATISTICAL DISTRIBUTIONS

CENSUS
  0402 0506 3402
  RT    ANIMALS
        DEMOGRAPHY
        HUMAN BEINGS
      % STATISTICS
        URBAN PLANNING

CENTAUR LAUNCH VEHICLE
  3004 3103
  UF    CENTAUR VEHICLE
  GS    LAUNCH VEHICLES
        #CENTAUR LAUNCH VEHICLE
        ..ATLAS CENTAUR LAUNCH VEHICLE
        ROCKET VEHICLES
        #CENTAUR LAUNCH VEHICLE
        ..ATLAS CENTAUR LAUNCH VEHICLE
  RT    ATLAS D ICBM
        LIQUID PROPELLANT ROCKET ENGINES
```

```
        SATURN PROJECT
        TITAN CENTAUR LAUNCH VEHICLE

CENTAUR PROJECT
  3004 3409
  GS    PROGRAMS
        .NASA PROGRAMS
        ..NASA SPACE PROGRAMS
        ..#CENTAUR PROJECT
        .PROJECTS
        .#CENTAUR PROJECT
        .SPACE PROGRAMS
        ..NASA SPACE PROGRAMS
        ..#CENTAUR PROJECT
  RT    ATLAS CENTAUR LAUNCH VEHICLE
        LAUNCH VEHICLES
        MARINER PROGRAM
        RL-10 ENGINES
        SURVEYOR PROJECT

CENTAUR VEHICLE
  USE   CENTAUR LAUNCH VEHICLE

CENTAURUS CONSTELLATION
  3001
  GS    CONSTELLATIONS
        #CENTAURUS CONSTELLATION
  RT    CELESTIAL BODIES
        CELESTIAL SPHERE
        STARS

CENTER OF GRAVITY
  1309 2311
  UF    BARYCENTER
  RT    CENTER OF MASS
      % CENTERS
        CENTROIDS
        GRAVITATIONAL FIELDS
        LUNAR ROTATION
        MASS
        MOMENTS OF INERTIA

CENTER OF MASS
  2311
  GS    MASS
        #CENTER OF MASS
  RT    CENTER OF GRAVITY
        MASCONS
        WEIGHT (MASS)

CENTER OF PRESSURE
  1202 1204
  RT % CENTERS
        HYDROSTATIC PRESSURE
        MOMENTS OF INERTIA
        PRESSURE
        PRESSURE DISTRIBUTION
        PRESSURE HEADS

CENTERBODIES
  3105 3110 0102
  RT    AFTERBODIES
        AIRCRAFT STRUCTURES
      % BODIES
        CYLINDRICAL BODIES
        FOREBODIES
        FUSELAGES

% CENTERS
  1902 2311 3406
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    CENTER OF GRAVITY
        CENTER OF PRESSURE
        COLOR CENTERS
        CONCENTRICITY
        FOCI
        LOCI
        WORLD DATA CENTERS

CENTIMETER WAVES
  0705 3009
  GS    ELECTROMAGNETIC RADIATION
        .RADIO WAVES
        ..SHORT WAVE RADIATION
        ...MICROWAVES
        ...#CENTIMETER WAVES
  RT    COSMIC NOISE
        EXTRATERRESTRIAL RADIO WAVES
        MICROWAVE FREQUENCIES
        SUPERHIGH FREQUENCIES

CENTRAL AFRICAN REPUBLIC
  1305
  GS    NATIONS
        #CENTRAL AFRICAN REPUBLIC
  RT    AFRICA

CENTRAL AMERICA
  1305
  RT    BELIZE
        COSTA RICA
        EL SALVADOR
        GUATEMALA
        HONDURAS
        NICARAGUA
        NORTH AMERICA
        PANAMA
        PANAMA CANAL ZONE
        REGIONS
        SOUTH AMERICA

CENTRAL ATLANTIC REGION (US)
  1305
  GS    REGIONS
        #CENTRAL ATLANTIC REGION (US)
  RT    UNITED STATES

CENTRAL ATLANTIC REGIONAL ECOL TEST SITE
  1305
  SN    (CENTRAL ATLANTIC REGIONAL
        ECOLOGICAL TEST SITE)
  UF    CARETS (TEST SITE)
  GS    SITES
        #CENTRAL ATLANTIC REGIONAL ECOL
         TEST SITE
        TEST FACILITIES
        #CENTRAL ATLANTIC REGIONAL ECOL
         TEST SITE
  RT    ECOLOGY
        ENVIRONMENT PROTECTION

CENTRAL BULGE (GALAXIES)
  USE   GALACTIC BULGE

CENTRAL ELECTRONIC MANAGEMENT SYSTEM
  0702 0803 1101 1108 3406
  UF    CEMS SYSTEM
  GS    DATA PROCESSING
        #CENTRAL ELECTRONIC MANAGEMENT
         SYSTEM
  RT    MANAGEMENT
      % SYSTEMS

CENTRAL EUROPE
  1305
  RT    AUSTRIA
        CONTINENTS
        CZECHOSLOVAKIA
        EAST GERMANY
        EUROPE
        HUNGARY
        POLAND
        ROMANIA
        WEST GERMANY

CENTRAL NERVOUS SYSTEM
  0404 0408
  GS    ANATOMY
        .NERVOUS SYSTEM
        .#CENTRAL NERVOUS SYSTEM
        ...BRAIN
        ....BRAIN STEM
        ....CEREBELLUM
```

....CEREBRAL VENTRICLES
....CEREBRUM
.....CEREBRAL CORTEX
.....OCCIPITAL LOBES
....DIENCEPHALON
.....HYPOTHALAMUS
.....PINEAL GLAND
.....THALAMUS
....HIPPOCAMPUS
...SPINAL CORD
RT BLOOD-BRAIN BARRIER
PSYCHOPHARMACOLOGY
PSYCHOTROPIC DRUGS
% SYSTEMS

CENTRAL NERVOUS SYSTEM DEPRESSANTS
0403 0405 0408
GS DEPRESSANTS
#CENTRAL NERVOUS SYSTEM DEPRESSANTS
DRUGS
#CENTRAL NERVOUS SYSTEM DEPRESSANTS
RT AMOBARBITAL
PSYCHOPHARMACOLOGY
% SYSTEMS
TRANQUILIZERS

CENTRAL NERVOUS SYSTEM STIMULANTS
0403 0405 0408
GS DRUGS
.STIMULANTS
.#CENTRAL NERVOUS SYSTEM STIMULANTS
RT AMPHETAMINES
PSYCHOPHARMACOLOGY
% SYSTEMS

CENTRAL PIEDMONT (US)
1305 1306
GS LANDFORMS
.TERRACES (LANDFORMS)
..PLATEAUS
...PIEDMONTS
...#CENTRAL PIEDMONT (US)
RT MOUNTAINS

CENTRAL PROCESSING UNITS
0801
UF PROCESSORS (COMPUTERS)
GS #CENTRAL PROCESSING UNITS
.ARITHMETIC AND LOGIC UNITS
RT COMPUTER COMPONENTS
COMPUTER STORAGE DEVICES
COMPUTERS
CONTROL UNITS (COMPUTERS)
LOGIC CIRCUITS
MICROPROCESSORS
REGISTERS (COMPUTERS)

CENTRIFUGAL CASTING
1504 1704 3404
GS FORMING TECHNIQUES
.CASTING
.#CENTRIFUGAL CASTING
RT INVESTMENT CASTING

CENTRIFUGAL COMPRESSORS
1202 1504
GS COMPRESSORS
#CENTRIFUGAL COMPRESSORS
TURBOMACHINERY
#CENTRIFUGAL COMPRESSORS
RT BLOWERS
COMPRESSOR BLADES
COMPRESSOR ROTORS
IMPELLERS
PUMP IMPELLERS
PUMPS
RADIAL FLOW
ROTORS
SUPERCHARGERS
TURBOCOMPRESSORS

CENTRIFUGAL FORCE
2308 2311
RT ANGULAR ACCELERATION
CENTRIFUGES
CENTRIPETAL FORCE
% FORCE
GOERTLER INSTABILITY

CENTRIFUGAL PUMPS
1501 1504
GS PUMPS
#CENTRIFUGAL PUMPS
TURBOMACHINERY
#CENTRIFUGAL PUMPS
RT AXIAL FLOW PUMPS
FUEL PUMPS
IMPELLERS
PUMP IMPELLERS
TURBINE PUMPS
TURBOCOMPRESSORS

CENTRIFUGES
0403 0501 0602 1504
UF CYCLONES (EQUIPMENT)
GS #CENTRIFUGES
.HUMAN CENTRIFUGES
RT CENTRIFUGAL FORCE
CENTRIFUGING
CENTRIPETAL FORCE
CLASSIFIERS
CONCENTRATORS
EXTRACTION
FLIGHT SIMULATORS
FLUID FILTERS
HIGH GRAVITY ENVIRONMENTS
SEPARATORS
SPACE SIMULATORS
% TEST EQUIPMENT
TRAINING SIMULATORS

CENTRIFUGING
0403 0501 0602 1504
RT CENTRIFUGES
CONCENTRATING
EXTRACTION
MATERIALS RECOVERY
% SEPARATION
SWIRLING

CENTRIFUGING STRESS
0401 0408
GS INVERSIONS
.TEMPERATURE INVERSIONS
.#CENTRIFUGING STRESS
STRESS (PHYSIOLOGY)
.ACCELERATION STRESSES (PHYSIOLOGY)
.#CENTRIFUGING STRESS
RT ACCELERATION TOLERANCE
GRAVITATIONAL PHYSIOLOGY

CENTRIPETAL FORCE
2308 2311
RT ANGULAR ACCELERATION
CENTRIFUGAL FORCE
CENTRIFUGES
% FORCE
REVOLVING

CENTROIDS
1902 2308 3203
RT CENTER OF GRAVITY
MOMENTS OF INERTIA

CENTURION AIRCRAFT
USE CESSNA 210 AIRCRAFT

CEPHALAGIA
USE HEADACHE

CEPHALOPODS
0402
GS ANIMALS
.INVERTEBRATES
..MOLLUSKS

..#CEPHALOPODS
....OCTOPUSES

CEPHEID VARIABLES
3001
GS CELESTIAL BODIES
.STARS
..VARIABLE STARS
..#CEPHEID VARIABLES
RT CEPHEUS CONSTELLATION

CEPHEUS CONSTELLATION
3001
GS CONSTELLATIONS
#CEPHEUS CONSTELLATION
RT CEPHEID VARIABLES

CEPSTRA
2310 3009
GS SPECTRA
.POWER SPECTRA
.#CEPSTRA
RT QUEFRENCIES

CEPSTRAL ANALYSIS
2310 3009
GS DATA PROCESSING
.SIGNAL ANALYSIS
.#CEPSTRAL ANALYSIS
.VOICE DATA PROCESSING
.#CEPSTRAL ANALYSIS
SPECTRUM ANALYSIS
#CEPSTRAL ANALYSIS
RT ACOUSTIC MEASUREMENT
AUDIO FREQUENCIES
ECHOES
MULTIPATH TRANSMISSION
POWER SPECTRA
SIGNAL REFLECTION
SIGNATURE ANALYSIS
SPECTRAL SIGNATURES
SPEECH RECOGNITION
TIME LAG
VIBRATION MEASUREMENT

CERAMAL PROTECTIVE COATINGS
USE CERMETS
PROTECTIVE COATINGS

CERAMALS
USE CERMETS

CERAMIC BONDING
0602 1507 1704 1801
GS BONDING
#CERAMIC BONDING
RT CERAMIC MATRIX COMPOSITES
CERAMICS

CERAMIC COATINGS
1801 1802
SN (COATINGS CONSISTING OF CERAMIC MATERIALS)
GS COATINGS
.INORGANIC COATINGS
.#CERAMIC COATINGS
.PROTECTIVE COATINGS
.#CERAMIC COATINGS
RT FINISHES
METAL COATINGS
PORCELAIN
SPRAYED COATINGS
VACUUM DEPOSITION

CERAMIC FIBERS
1801 1805 3202
GS FIBERS
.SYNTHETIC FIBERS
.#CERAMIC FIBERS
RT BORON CARBIDES
CERAMIC MATRIX COMPOSITES
CERAMICS
CHEMICAL VAPOR INFILTRATION
COMPOSITE WRAPPING
CORDAGE
FIBER COMPOSITES
FIBER ORIENTATION
FIBER STRENGTH
FILAMENT WINDING
% FILAMENTS
POLYCARBOSILANES
REINFORCING FIBERS
SILICON CARBIDES
STRANDS
TITANIUM CARBIDES

CERAMIC HONEYCOMBS
1801 3202
RT CERAMIC MATRIX COMPOSITES
HONEYCOMB CORES
HONEYCOMB STRUCTURES

CERAMIC MATRIX COMPOSITES
1801
GS COMPOSITE MATERIALS
#CERAMIC MATRIX COMPOSITES
RT AIRCRAFT CONSTRUCTION MATERIALS
BORON REINFORCED MATERIALS
CERAMIC BONDING
CERAMIC FIBERS
CERAMIC HONEYCOMBS
CERAMICS
CERMETS
CHEMICAL VAPOR INFILTRATION
COMPOSITE STRUCTURES
FUNCTIONALLY GRADIENT MATERIALS
MATRIX MATERIALS
REINFORCING FIBERS
SILICON NITRIDES
TITANIUM CARBIDES
TITANIUM NITRIDES

CERAMIC NUCLEAR FUELS
1801 2203
GS CERAMICS
#CERAMIC NUCLEAR FUELS
FUELS
.NUCLEAR FUELS
.#CERAMIC NUCLEAR FUELS
RT CARBIDES
CERMETS
NITRIDES
PLUTONIUM COMPOUNDS
PLUTONIUM OXIDES
SOL-GEL PROCESSES
THORIUM COMPOUNDS
URANIUM CARBIDES
URANIUM COMPOUNDS
URANIUM OXIDES

CERAMIC-METAL COMPOSITES
USE CERMETS

CERAMICS
1801
GS #CERAMICS
.CERAMIC NUCLEAR FUELS
.PORCELAIN
.PYROCERAM (TRADEMARK)
RT ABRASIVES
BAKELITE (TRADEMARK)
BRICKS
CERAMIC BONDING
CERAMIC FIBERS
CERAMIC MATRIX COMPOSITES
CERMETS
CLAYS
DIELECTRICS
FRIT
GLASS
GLAZES
HEAT ENGINES
HIGH TEMPERATURE SUPERCONDUCTORS
INJECTION MOLDING
MASONRY

```
    % MATERIALS SCIENCE
      MORTARS (MATERIAL)
      PHOTOACOUSTIC MICROSCOPY
      PYROLYTIC MATERIALS
      REACTION BONDING
      REFRACTORIES
      REFRACTORY COATINGS
      REFRACTORY MATERIALS
      SIALON
      SILICON DIOXIDE
      TILES
      VITRIFICATION
      YBCO SUPERCONDUCTORS
      YTTRIA-STABILIZED ZIRCONIA

CEREBELLUM
  0404
  GS  ANATOMY
      .NERVOUS SYSTEM
      ..CENTRAL NERVOUS SYSTEM
      ...BRAIN
      ...#CEREBELLUM

CEREBRAL CORTEX
  0404
  GS  ANATOMY
      .NERVOUS SYSTEM
      ..CENTRAL NERVOUS SYSTEM
      ...BRAIN
      ....CEREBRUM
      ....#CEREBRAL CORTEX
  RT % CORTEXES

CEREBRAL VASCULAR ACCIDENTS
  0402 0405
  RT  CARDIOVASCULAR SYSTEM
    % STROKES

CEREBRAL VENTRICLES
  0401
  GS  ANATOMY
      .NERVOUS SYSTEM
      ..CENTRAL NERVOUS SYSTEM
      ...BRAIN
      ...#CEREBRAL VENTRICLES
  RT  CEREBROSPINAL FLUID
      CEREBRUM

CEREBROSPINAL FLUID
  0403 0404
  GS  BODY FLUIDS
      #CEREBROSPINAL FLUID
  RT  BRAIN
      CEREBRAL VENTRICLES
    % FLUIDS

CEREBRUM
  0404
  GS  ANATOMY
      .NERVOUS SYSTEM
      ..CENTRAL NERVOUS SYSTEM
      ...BRAIN
      ...#CEREBRUM
      .....CEREBRAL CORTEX
      .....OCCIPITAL LOBES
  RT  CEREBRAL VENTRICLES

CERENKOV COUNTERS
  1406 2903
  GS  MEASURING INSTRUMENTS
      .COUNTERS
      ..RADIATION COUNTERS
      ..#CERENKOV COUNTERS
      .RADIATION MEASURING INSTRUMENTS
      ..RADIATION COUNTERS
      ..#CERENKOV COUNTERS
  RT  SCINTILLATION COUNTERS

CERENKOV EFFECT
  USE CERENKOV RADIATION

CERENKOV RADIATION
  0710 2310 2402 2403 2903
  UF  CERENKOV EFFECT
  GS  ELECTROMAGNETIC RADIATION
      #CERENKOV RADIATION
  RT  BREMSSTRAHLUNG
      CORPUSCULAR RADIATION
      COSMIC RAYS
    % EFFECTS
      GAMMA RAY BURSTS
      GAMMA RAYS
      LIGHT (VISIBLE RADIATION)
      NUCLEAR RADIATION
    % RADIATION
      ULTRAVIOLET RADIATION

CERES ASTEROID
  3001 3008
  GS  CELESTIAL BODIES
      .ASTEROID BELTS
      ..ASTEROIDS
      ..#CERES ASTEROID

CERESIN
  1806 1808
  GS  ORGANIC COMPOUNDS
      .HYDROCARBONS
      ..ALIPHATIC HYDROCARBONS
      ...ALKANES
      ....PARAFFINS
      ....#CERESIN
      WAXES
      #CERESIN
  RT  PHASE CHANGE MATERIALS

CERIUM
  0603 1703
  GS  CHEMICAL ELEMENTS
      .RARE EARTH ELEMENTS
      .#CERIUM
      ...CERIUM ISOTOPES
      ....CERIUM 137
      ....CERIUM 144
      METALS
      .RARE EARTH ELEMENTS
      .#CERIUM
      ...CERIUM ISOTOPES
      ....CERIUM 137
      ....CERIUM 144

CERIUM COMPOUNDS
  0603 1804
  GS  RARE EARTH COMPOUNDS
      #CERIUM COMPOUNDS
      ..BASTNASITE
      ..CERIUM OXIDES
  RT % CHEMICAL COMPOUNDS
    % METAL COMPOUNDS

CERIUM ISOTOPES
  0603 1703 2406
  GS  CHEMICAL ELEMENTS
      .NUCLIDES
      ..ISOTOPES
      ..#CERIUM ISOTOPES
      ....CERIUM 137
      ....CERIUM 144
      .RARE EARTH ELEMENTS
      ..CERIUM
      ..#CERIUM ISOTOPES
      ....CERIUM 137
      ....CERIUM 144
      METALS
      .RARE EARTH ELEMENTS
      ..CERIUM
      ..#CERIUM ISOTOPES
      ....CERIUM 137
      ....CERIUM 144

CERIUM OXIDES
  0603 1703
  GS  CHALCOGENIDES
      .OXIDES
      ..METAL OXIDES
```

```
      ..#CERIUM OXIDES
      RARE EARTH COMPOUNDS
      .CERIUM COMPOUNDS
      .#CERIUM OXIDES

CERIUM 137
  0603 1703 2406
  GS   CHEMICAL ELEMENTS
       .NUCLIDES
       ..ISOTOPES
       ...CERIUM ISOTOPES
       ...#CERIUM 137
       ...RADIOACTIVE ISOTOPES
       ...#CERIUM 137
       .RARE EARTH ELEMENTS
       ..CERIUM
       ...CERIUM ISOTOPES
       ...#CERIUM 137
       METALS
       .RARE EARTH ELEMENTS
       ..CERIUM
       ...CERIUM ISOTOPES
       ...#CERIUM 137

CERIUM 144
  0603 2406
  GS   CHEMICAL ELEMENTS
       .NUCLIDES
       ..ISOTOPES
       ...CERIUM ISOTOPES
       ...#CERIUM 144
       ...RADIOACTIVE ISOTOPES
       ...#CERIUM 144
       .RARE EARTH ELEMENTS
       ..CERIUM
       ...CERIUM ISOTOPES
       ...#CERIUM 144
       METALS
       .RARE EARTH ELEMENTS
       ..CERIUM
       ...CERIUM ISOTOPES
       ...#CERIUM 144

CERMETS
  1701 1801 3305
  UF   CERAMAL PROTECTIVE COATINGS
       CERAMALS
       CERAMIC-METAL COMPOSITES
  GS   COMPOSITE MATERIALS
       #CERMETS
  RT   CERAMIC MATRIX COMPOSITES
       CERAMIC NUCLEAR FUELS
       CERAMICS
       COMBUSTION SYNTHESIS
       HEAT RESISTANT ALLOYS
       METALS
       POWDER METALLURGY
       REFRACTORIES
       REFRACTORY MATERIALS
       YBCO SUPERCONDUCTORS

CERTIFICATION
  3404 3406
  RT   AIRCRAFT RELIABILITY
       CHECKOUT
       EVALUATION
       FLIGHT TESTS
       PERFORMANCE TESTS
       PHYSIOLOGICAL TESTS
       PSYCHOLOGICAL TESTS
       QUALIFICATIONS
       QUALITY CONTROL
       SELECTION
       SITE SELECTION
       TRAINING EVALUATION

CESIUM
  0603 1703
  GS   CHEMICAL ELEMENTS
       .ALKALI METALS
       .#CESIUM
       ...CESIUM ISOTOPES
       ....CESIUM 133
       ....CESIUM 134
       ....CESIUM 137
       ....CESIUM 144
       METALS
       .ALKALI METALS
       .#CESIUM
       ...CESIUM ISOTOPES
       ....CESIUM 133
       ....CESIUM 134
       ....CESIUM 137
       ....CESIUM 144
  RT   CESIUM ALLOYS
       CESIUM ANTIMONIDES
       CESIUM BROMIDES
       CESIUM DIODES
       CESIUM ENGINES
       CESIUM FLUORIDES
       CESIUM HALIDES
       CESIUM HYDRIDES
       CESIUM IODIDES
       CESIUM IONS
       CESIUM PLASMA
       CESIUM VAPOR

CESIUM ALLOYS
  1701 1704
  GS   ALLOYS
       #CESIUM ALLOYS
  RT   ALKALI METALS
       CESIUM

CESIUM ANTIMONIDES
  0603 1804
  GS   ANTIMONY COMPOUNDS
       .ANTIMONIDES
       .#CESIUM ANTIMONIDES
       CESIUM COMPOUNDS
       #CESIUM ANTIMONIDES
  RT   CESIUM

CESIUM BROMIDES
  0603 1804
  GS   CESIUM COMPOUNDS
       .CESIUM HALIDES
       .#CESIUM BROMIDES
       HALOGEN COMPOUNDS
       .BROMINE COMPOUNDS
       ..BROMIDES
       ..#CESIUM BROMIDES
       .HALIDES
       ..BROMIDES
       ..#CESIUM BROMIDES
       ..METAL HALIDES
       ...ALKALI HALIDES
       ....CESIUM HALIDES
       ....#CESIUM BROMIDES
  RT   CESIUM

CESIUM COMPOUNDS
  0603 1804
  GS  #CESIUM COMPOUNDS
       .CESIUM ANTIMONIDES
       .CESIUM HALIDES
       ..CESIUM BROMIDES
       ..CESIUM FLUORIDES
       ..CESIUM IODIDES
       .CESIUM HYDRIDES
       .CESIUM OXIDES
  RT % ALKALI METAL COMPOUNDS
     % CHEMICAL COMPOUNDS
     % METAL COMPOUNDS
       METAL FUELS

CESIUM DIODES
  0301 0904 2501
  GS   ELECTRON TUBES
       .THERMIONIC DIODES
       .#CESIUM DIODES
       .VACUUM TUBES
       .#CESIUM DIODES
       ELECTRONIC EQUIPMENT
       .DIODES
```

```
        ..THERMIONIC DIODES
        ..#CESIUM DIODES
  RT    CESIUM
        PLASMA DIODES
        THERMIONIC CONVERTERS

CESIUM ENGINES
  0301 2808
  GS    ENGINES
        .ROCKET ENGINES
        ..ELECTRIC ROCKET ENGINES
        ...ION ENGINES
        ...#CESIUM ENGINES
  RT    CESIUM
        ELECTROSTATIC ENGINES

CESIUM FLUORIDES
  0603 1804
  GS    CESIUM COMPOUNDS
        .CESIUM HALIDES
        .#CESIUM FLUORIDES
        HALOGEN COMPOUNDS
        .FLUORINE COMPOUNDS
        ..FLUORIDES
        ...METAL FLUORIDES
        ...#CESIUM FLUORIDES
        .HALIDES
        ..METAL HALIDES
        ...ALKALI HALIDES
        ....CESIUM HALIDES
        ....#CESIUM FLUORIDES
  RT    CESIUM

CESIUM HALIDES
  0603 1804
  GS    CESIUM COMPOUNDS
        #CESIUM HALIDES
        ..CESIUM BROMIDES
        ..CESIUM FLUORIDES
        ..CESIUM IODIDES
        HALOGEN COMPOUNDS
        .HALIDES
        ..METAL HALIDES
        ...ALKALI HALIDES
        ...#CESIUM HALIDES
        .....CESIUM BROMIDES
        .....CESIUM FLUORIDES
        .....CESIUM IODIDES
  RT    CESIUM

CESIUM HYDRIDES
  0603 1804
  GS    CESIUM COMPOUNDS
        #CESIUM HYDRIDES
        HYDROGEN COMPOUNDS
        .HYDRIDES
        ..METAL HYDRIDES
        ..#CESIUM HYDRIDES
  RT    CESIUM

CESIUM IODIDES
  0603 1804
  GS    CESIUM COMPOUNDS
        .CESIUM HALIDES
        .#CESIUM IODIDES
        HALOGEN COMPOUNDS
        .HALIDES
        ..METAL HALIDES
        ...ALKALI HALIDES
        ....CESIUM HALIDES
        ....#CESIUM IODIDES
        .IODINE COMPOUNDS
        ..IODIDES
        ..#CESIUM IODIDES
  RT    CESIUM

CESIUM IONS
  0603 1804
  GS    IONS
        #CESIUM IONS
  RT    CESIUM

CESIUM ISOTOPES
  0603 1703 2406
  GS    CHEMICAL ELEMENTS
        .ALKALI METALS
        ..CESIUM
        ..#CESIUM ISOTOPES
        ....CESIUM 133
        ....CESIUM 134
        ....CESIUM 137
        ....CESIUM 144
        .NUCLIDES
        ..ISOTOPES
        ..#CESIUM ISOTOPES
        ....CESIUM 133
        ....CESIUM 134
        ....CESIUM 137
        ....CESIUM 144
        METALS
        .ALKALI METALS
        ..CESIUM
        ..#CESIUM ISOTOPES
        ....CESIUM 133
        ....CESIUM 134
        ....CESIUM 137
        ....CESIUM 144

CESIUM OXIDES
  0603 1804
  GS    CESIUM COMPOUNDS
        #CESIUM OXIDES
        CHALCOGENIDES
        .OXIDES
        ..METAL OXIDES
        ..#CESIUM OXIDES

CESIUM PLASMA
  2502
  GS    PARTICLES
        .CHARGED PARTICLES
        ..ENERGETIC PARTICLES
        ...PLASMAS (PHYSICS)
        ....METALLIC PLASMAS
        ....#CESIUM PLASMA
  RT    CESIUM
        THERMIONIC CONVERTERS

CESIUM VAPOR
  0603
  GS    CHEMICAL ELEMENTS
        .ALKALI METALS
        .#CESIUM VAPOR
        .NUCLIDES
        ..ISOTOPES
        ..#CESIUM VAPOR
        METALS
        .ALKALI METALS
        .#CESIUM VAPOR
        VAPORS
        #CESIUM VAPOR
  RT    CESIUM
        MERCURY VAPOR

CESIUM 133
  0603 1703 2406
  GS    CHEMICAL ELEMENTS
        .ALKALI METALS
        ..CESIUM
        ...CESIUM ISOTOPES
        ...#CESIUM 133
        .NUCLIDES
        ..ISOTOPES
        ...CESIUM ISOTOPES
        ...#CESIUM 133
        METALS
        .ALKALI METALS
        ..CESIUM
        ...CESIUM ISOTOPES
        ...#CESIUM 133

CESIUM 134
  0603 1703 2406
  GS    CHEMICAL ELEMENTS
        .ALKALI METALS
```

```
        ..CESIUM
        ...CESIUM ISOTOPES
        ...#CESIUM 134
        .NUCLIDES
        ..ISOTOPES
        ...CESIUM ISOTOPES
        ...#CESIUM 134
        ...RADIOACTIVE ISOTOPES
        ...#CESIUM 134
        METALS
        .ALKALI METALS
        ..CESIUM
        ...CESIUM ISOTOPES
        ...#CESIUM 134

CESIUM 137
  0603 1703 2406
  GS    CHEMICAL ELEMENTS
        .ALKALI METALS
        ..CESIUM
        ...CESIUM ISOTOPES
        ...#CESIUM 137
        .NUCLIDES
        ..ISOTOPES
        ...CESIUM ISOTOPES
        ...#CESIUM 137
        ...RADIOACTIVE ISOTOPES
        ...#CESIUM 137
        METALS
        .ALKALI METALS
        ..CESIUM
        ...CESIUM ISOTOPES
        ...#CESIUM 137

CESIUM 144
  0603 1703 2406
  GS    CHEMICAL ELEMENTS
        .ALKALI METALS
        ..CESIUM
        ...CESIUM ISOTOPES
        ...#CESIUM 144
        .NUCLIDES
        ..ISOTOPES
        ...CESIUM ISOTOPES
        ...#CESIUM 144
        ...RADIOACTIVE ISOTOPES
        ...#CESIUM 144
        METALS
        .ALKALI METALS
        ..CESIUM
        ...CESIUM ISOTOPES
        ...#CESIUM 144

CESSNA AIRCRAFT
  0204 0207
  GS    #CESSNA AIRCRAFT
        .A-37 AIRCRAFT
        .CESSNA L-19 AIRCRAFT
        .CESSNA 172 AIRCRAFT
        .CESSNA 205 AIRCRAFT
        .CESSNA 210 AIRCRAFT
        .CESSNA 402B AIRCRAFT
        .T-37 AIRCRAFT
  RT %  AIRCRAFT

CESSNA L-19 AIRCRAFT
  0204
  GS    CESSNA AIRCRAFT
        #CESSNA L-19 AIRCRAFT
        LIGHT AIRCRAFT
        #CESSNA L-19 AIRCRAFT
        MONOPLANES
        #CESSNA L-19 AIRCRAFT
        OBSERVATION AIRCRAFT
        #CESSNA L-19 AIRCRAFT
        RECONNAISSANCE AIRCRAFT
        #CESSNA L-19 AIRCRAFT
  RT %  AIRCRAFT

CESSNA MILITARY AIRCRAFT
  USE   MILITARY AIRCRAFT

CESSNA 172 AIRCRAFT
  0204
  GS    CESSNA AIRCRAFT
        #CESSNA 172 AIRCRAFT
        GENERAL AVIATION AIRCRAFT
        #CESSNA 172 AIRCRAFT
        LIGHT AIRCRAFT
        #CESSNA 172 AIRCRAFT
        MONOPLANES
        #CESSNA 172 AIRCRAFT
        PASSENGER AIRCRAFT
        #CESSNA 172 AIRCRAFT
        SINGLE ENGINE AIRCRAFT
        #CESSNA 172 AIRCRAFT
  RT %  AIRCRAFT

CESSNA 205 AIRCRAFT
  0204
  GS    CESSNA AIRCRAFT
        #CESSNA 205 AIRCRAFT
        GENERAL AVIATION AIRCRAFT
        #CESSNA 205 AIRCRAFT
        LIGHT AIRCRAFT
        #CESSNA 205 AIRCRAFT
        MONOPLANES
        #CESSNA 205 AIRCRAFT
        PASSENGER AIRCRAFT
        #CESSNA 205 AIRCRAFT
        SINGLE ENGINE AIRCRAFT
        #CESSNA 205 AIRCRAFT
  RT %  AIRCRAFT

CESSNA 210 AIRCRAFT
  0204
  UF    CENTURION AIRCRAFT
  GS    CESSNA AIRCRAFT
        #CESSNA 210 AIRCRAFT
        GENERAL AVIATION AIRCRAFT
        #CESSNA 210 AIRCRAFT
        LIGHT AIRCRAFT
        #CESSNA 210 AIRCRAFT
        MONOPLANES
        #CESSNA 210 AIRCRAFT
        PASSENGER AIRCRAFT
        #CESSNA 210 AIRCRAFT
        SINGLE ENGINE AIRCRAFT
        #CESSNA 210 AIRCRAFT

CESSNA 402B AIRCRAFT
  0201
  GS    CESSNA AIRCRAFT
        #CESSNA 402B AIRCRAFT
        GENERAL AVIATION AIRCRAFT
        #CESSNA 402B AIRCRAFT
        LIGHT AIRCRAFT
        #CESSNA 402B AIRCRAFT
        MONOPLANES
        #CESSNA 402B AIRCRAFT
        PASSENGER AIRCRAFT
        #CESSNA 402B AIRCRAFT
        TRANSPORT AIRCRAFT
        .SHORT HAUL AIRCRAFT
        .#CESSNA 402B AIRCRAFT
  RT %  AIRCRAFT

CETANE
  0403 1808
  GS    ORGANIC COMPOUNDS
        .HYDROCARBONS
        ..ALIPHATIC HYDROCARBONS
        ...ALKANES
        ...#CETANE

CETYL COMPOUNDS
  1808
  GS    ALKYL COMPOUNDS
        #CETYL COMPOUNDS
  RT %  CHEMICAL COMPOUNDS

CEYLON
  USE   SRI LANKA

CF-104 AIRCRAFT
```

```
  USE  CANADAIR AIRCRAFT
       F-104 AIRCRAFT

CF-700 ENGINE
  2805
  GS   ENGINES
       .AIR BREATHING ENGINES
       ..GAS TURBINE ENGINES
       ...JET ENGINES
       ....TURBOJET ENGINES
       .....TURBOFAN ENGINES
       .....#CF-700 ENGINE
       .INTERNAL COMBUSTION ENGINES
       ..GAS TURBINE ENGINES
       ...JET ENGINES
       ....TURBOJET ENGINES
       .....TURBOFAN ENGINES
       .....#CF-700 ENGINE
       .TURBINE ENGINES
       ..GAS TURBINE ENGINES
       ...JET ENGINES
       ....TURBOJET ENGINES
       .....TURBOFAN ENGINES
       .....#CF-700 ENGINE
  RT   VERTICAL TAKEOFF AIRCRAFT

CFCS
  USE  CHLOROFLUOROCARBONS

CFD
  USE  CHARGE FLOW DEVICES

CFRP
  USE  CARBON FIBER REINFORCED PLASTICS

CH (METHYLIDYNE)
  USE  METHYLIDYNE

CH-3 HELICOPTER
  0206 0207
  GS   PASSENGER AIRCRAFT
       #CH-3 HELICOPTER
       SIKORSKY AIRCRAFT
       #CH-3 HELICOPTER
       TRANSPORT AIRCRAFT
       #CH-3 HELICOPTER
       V/STOL AIRCRAFT
       .ROTARY WING AIRCRAFT
       ..HELICOPTERS
       ...MILITARY HELICOPTERS
       ...#CH-3 HELICOPTER
       ...RIGID ROTOR HELICOPTERS
       ...#CH-3 HELICOPTER
  RT   S-61 HELICOPTER

CH-21 HELICOPTER
  0206 0207
  UF   H-21 HELICOPTER
       SHAWNEE HELICOPTER
       WORKHORSE HELICOPTER
  GS   BOEING AIRCRAFT
       #CH-21 HELICOPTER
       V/STOL AIRCRAFT
       .ROTARY WING AIRCRAFT
       ..HELICOPTERS
       ...MILITARY HELICOPTERS
       ...#CH-21 HELICOPTER

CH-34 HELICOPTER
  0206 0207
  UF   CHOCTAW HELICOPTER
       H-34 HELICOPTER
  GS   SIKORSKY AIRCRAFT
       #CH-34 HELICOPTER
       TRANSPORT AIRCRAFT
       #CH-34 HELICOPTER
       V/STOL AIRCRAFT
       .ROTARY WING AIRCRAFT
       ..HELICOPTERS
       ...MILITARY HELICOPTERS
       ...#CH-34 HELICOPTER
  RT   S-58 HELICOPTER

CH-46 HELICOPTER
  0206 0207
  UF   CH-113 HELICOPTER
       HRB-1 HELICOPTER
       SEA KNIGHT HELICOPTER
       VOYAGEUR HELICOPTER
  GS   BOEING AIRCRAFT
       #CH-46 HELICOPTER
       PASSENGER AIRCRAFT
       #CH-46 HELICOPTER
       TRANSPORT AIRCRAFT
       #CH-46 HELICOPTER
       V/STOL AIRCRAFT
       .ROTARY WING AIRCRAFT
       ..HELICOPTERS
       ...MILITARY HELICOPTERS
       ...#CH-46 HELICOPTER
       ...TANDEM ROTOR HELICOPTERS
       ...#CH-46 HELICOPTER

CH-47 HELICOPTER
  0206 0207
  UF   CHINOOK HELICOPTER
       HC-1 HELICOPTER
  GS   BOEING AIRCRAFT
       #CH-47 HELICOPTER
       PASSENGER AIRCRAFT
       #CH-47 HELICOPTER
       TRANSPORT AIRCRAFT
       #CH-47 HELICOPTER
       V/STOL AIRCRAFT
       .ROTARY WING AIRCRAFT
       ..HELICOPTERS
       ...MILITARY HELICOPTERS
       ...#CH-47 HELICOPTER
       ...TANDEM ROTOR HELICOPTERS
       ...#CH-47 HELICOPTER

CH-53 HELICOPTER
  USE  H-53 HELICOPTER

CH-54 HELICOPTER
  0206 0207
  UF   S-64 HELICOPTER
       SIKORSKY S-64 HELICOPTER
       SKYCRANE HELICOPTER
  GS   PASSENGER AIRCRAFT
       #CH-54 HELICOPTER
       SIKORSKY AIRCRAFT
       #CH-54 HELICOPTER
       TRANSPORT AIRCRAFT
       #CH-54 HELICOPTER
       V/STOL AIRCRAFT
       .ROTARY WING AIRCRAFT
       ..HELICOPTERS
       ...MILITARY HELICOPTERS
       ...#CH-54 HELICOPTER

CH-62 HELICOPTER
  0206 0207
  GS   BOEING AIRCRAFT
       #CH-62 HELICOPTER
       V/STOL AIRCRAFT
       .ROTARY WING AIRCRAFT
       ..HELICOPTERS
       ...MILITARY HELICOPTERS
       ....HEAVY LIFT HELICOPTERS
       ....#CH-62 HELICOPTER
  RT % MILITARY AIRCRAFT

CH-113 HELICOPTER
  USE  CH-46 HELICOPTER

CHAD
  1305
  GS   NATIONS
       #CHAD
  RT   AFRICA

CHAFF
  0705 3401
  GS   COUNTERMEASURES
```

```
      .ELECTRONIC COUNTERMEASURES
      .#CHAFF
  RT  DECEPTION
      ELECTRONIC WARFARE
      RADAR ECHOES

CHAINS
  1101 1104 1502 1504 3204
  SN  (EXCLUDES CHEMICAL BONDS AND
      NUCLEAR REACTIONS)
  RT % BARRIERS
      CABLES (ROPES)
      FASTENERS
     % LINKS
      MOLECULAR CHAINS

CHAIRS
  USE  SEATS

CHALCOGENIDES
  0603 1804
  GS  #CHALCOGENIDES
      .OXIDES
      ..ANHYDRIDES
      ...PEROXIDES
      ....INORGANIC PEROXIDES
      ....ORGANIC PEROXIDES
      ....SODIUM PEROXIDES
      ..BORON OXIDES
      ..BRUCITE
      ..CARBON MONOXIDE
      ..CARBON SUBOXIDES
      ..CHLORINE OXIDES
      ..DIOXIDES
      ...CARBON DIOXIDE
      ...FLINT
      ...HYDROGEN PEROXIDE
      ...SILICON DIOXIDE
      ....QUARTZ
      .....COESITE
      .....STISHOVITE
      ...SULFUR DIOXIDES
      ..GERMANIUM OXIDES
      ..HEAVY WATER
      ..METAL OXIDES
      ...ALKALINE EARTH OXIDES
      ....BARIUM OXIDES
      ....BERYLLIUM OXIDES
      ....CALCIUM OXIDES
      .....AKERMANITE
      ....MAGNESIUM OXIDES
      .....AKERMANITE
      .....PERICLASE
      ...ALUMINUM OXIDES
      ....SAPPHIRE
      ...BISMUTH OXIDES
      ...CERIUM OXIDES
      ...CESIUM OXIDES
      ...CHROMIUM OXIDES
      ...COBALT OXIDES
      ...COPPER OXIDES
      ...GALLIUM OXIDES
      ...HAFNIUM OXIDES
      ...IRON OXIDES
      ....HEMATITE
      ....ILMENITE
      ....MAGNETITE
      ...LANTHANUM OXIDES
      ...LEAD OXIDES
      ...LITHIUM OXIDES
      ...MANGANESE OXIDES
      ....HOPCALITE (TRADEMARK)
      ...MERCURY OXIDES
      ...MIXED OXIDES
      ....BSCCO SUPERCONDUCTORS
      ....YBCO SUPERCONDUCTORS
      ...MOLYBDENUM OXIDES
      ...NICKEL OXIDES
      ...NIOBIUM OXIDES
      ...PLATINUM OXIDES
      ...PLUTONIUM OXIDES
      ...POTASSIUM OXIDES
      ...SCANDIUM OXIDES
      ...SILVER OXIDES
      ...SODIUM PEROXIDES
      ...STRONTIUM OXIDES
      ...TANTALUM OXIDES
      ...THORIUM OXIDES
      ...TIN OXIDES
      ...TITANIUM OXIDES
      ....ANATASE
      ....ILMENITE
      ....RUTILE
      ...TUNGSTEN OXIDES
      ....SCHEELITE
      ...URANIUM OXIDES
      ...VANADIUM OXIDES
      ...YTTRIUM OXIDES
      ...ZINC OXIDES
      ...ZIRCONIUM OXIDES
      ....YTTRIA-STABILIZED ZIRCONIA
      ..NITROGEN OXIDES
      ...NITRIC OXIDE
      ...NITROGEN DIOXIDE
      ...NITROGEN TETROXIDE
      ...NITROUS OXIDES
      ..PHOSPHORUS OXIDES
      ..PYROXENES
      ...ENSTATITE
      ..SELENIUM OXIDES
      ..SILICON OXIDES
      ...MUSCOVITE
      ...NEPHELITE
      ...SILICON DIOXIDE
      ....QUARTZ
      .....COESITE
      .....STISHOVITE
      ...SPODUMENE
      ..SULFUR OXIDES
      ...SULFUR DIOXIDES
      .SELENIDES
      ..CADMIUM SELENIDES
      ..COPPER SELENIDES
      ..GALLIUM SELENIDES
      ..LEAD SELENIDES
      ..ZINC SELENIDES
      .SULFIDES
      ..DISULFIDES
      ...CARBON DISULFIDE
      ..INORGANIC SULFIDES
      ...BARIUM SULFIDES
      ...BISMUTH SULFIDES
      ...CADMIUM SULFIDES
      ...CALCIUM SULFIDES
      ...COPPER SULFIDES
      ....ENARGITE
      ...HYDROGEN SULFIDE
      ...INDIUM SULFIDES
      ...LEAD SULFIDES
      ...MOLYBDENUM SULFIDES
      ....MOLYBDENUM DISULFIDES
      ...POLYSULFIDES
      ...STRONTIUM SULFIDES
      ...ZINC SULFIDES
      ....WURTZITE
      ....ZINCBLENDE
      ..PYRITES
      ..PYRRHOTITE
      ...TROILITE
      .TELLURIDES
      ..BISMUTH TELLURIDES
      ..CADMIUM TELLURIDES
      ..INDIUM TELLURIDES
      ..LANTHANUM TELLURIDES
      ..LEAD TELLURIDES
      ..MERCURY TELLURIDES
      ..TIN TELLURIDES
      ..ZINC TELLURIDES
  RT % GROUP 6A COMPOUNDS

CHALK
  1805 1806
  GS  CALCIUM COMPOUNDS
      .CALCIUM CARBONATES
      .#CHALK
```

```
        CARBON COMPOUNDS
        .CARBONATES
        ..CALCIUM CARBONATES
        ..#CHALK
  RT    GYPSUM

CHALLENGER (ORBITER)
  3107 0205
  UF    SPACE SHUTTLE ORBITER 099
  GS    MANNED SPACECRAFT
        .SPACE SHUTTLE ORBITERS
        .#CHALLENGER (ORBITER)
        REENTRY VEHICLES
        .RECOVERABLE SPACECRAFT
        ..REUSABLE SPACECRAFT
        ...SPACE SHUTTLE ORBITERS
        ...#CHALLENGER (ORBITER)
  RT    ENDEAVOUR (ORBITER)
        SPACE SHUTTLE MISSION 31-B
        SPACE SHUTTLE MISSION 31-C
        SPACE SHUTTLE MISSION 31-D
        SPACE SHUTTLE MISSION 41-B
        SPACE SHUTTLE MISSION 41-C
        SPACE SHUTTLE MISSION 41-G
        SPACE SHUTTLE MISSION 51-B
        SPACE SHUTTLE MISSION 51-E
        SPACE SHUTTLE MISSION 51-F
        SPACE SHUTTLE MISSION 51-L
        SPACE SHUTTLE MISSION 61-A
     % SPACECRAFT

% CHAMBERS
  1106 1502 2808 3301
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    ANECHOIC CHAMBERS
        ARC CHAMBERS
        BUBBLE CHAMBERS
        CLOUD CHAMBERS
        COMBUSTION CHAMBERS
        CYLINDRICAL CHAMBERS
        FLEXING
        FLOW CHAMBERS
        HYPERBARIC CHAMBERS
        IONIZATION CHAMBERS
        PLENUM CHAMBERS
        PRESSURE CHAMBERS
        REVERBERATION CHAMBERS
        SPARK CHAMBERS
        TEST CHAMBERS
        THRUST CHAMBERS
        VACUUM CHAMBERS

CHANCE-VOUGHT AIRCRAFT
  0201 0204 0207
  UF    CHANCE-VOUGHT MILITARY AIRCRAFT
  RT %  AIRCRAFT

CHANCE-VOUGHT MILITARY AIRCRAFT
  USE   CHANCE-VOUGHT AIRCRAFT
        MILITARY AIRCRAFT

CHANDLER MOTION
  USE   POLAR WANDERING (GEOLOGY)

CHANDLER WOBBLE
  1306 1308
  SN    (EXCLUDES CHANDLER MOTION)
  UF    EULERIAN NUTATION
  GS    NUTATION
        #CHANDLER WOBBLE
  RT    EARTH AXIS
     %  EARTH MOTION
        EARTH ORIENTATION
        EARTH ROTATION
        GEODYNAMICS
        GEOPHYSICS
        POLAR WANDERING (GEOLOGY)

CHANDRASEKHAR EQUATION
  1402 1903
  GS    ANALYSIS (MATHEMATICS)
        .REAL VARIABLES
        ..DIFFERENTIAL EQUATIONS
        ..#CHANDRASEKHAR EQUATION
  RT    ELECTROMAGNETIC ABSORPTION
     %  EQUATIONS

CHANGE DETECTION
  0701
  GS    DETECTION
        #CHANGE DETECTION
  RT    AERIAL PHOTOGRAPHY
        AERIAL RECONNAISSANCE
        EARTH RESOURCES PROGRAM
        IMAGE CLASSIFICATION
        IMAGE PROCESSING
        IMAGERY
        LAND USE
        MULTISPECTRAL BAND SCANNERS
        MULTISPECTRAL PHOTOGRAPHY
        PATTERN RECOGNITION
        PHOTOINTERPRETATION
        RADAR IMAGERY
        REMOTE SENSING
        SCENE ANALYSIS
        SIDE-LOOKING RADAR
        TERRAIN ANALYSIS

CHANNEL CAPACITY
  0702 0703 0802
  RT    ALOHA SYSTEM
        BANDWIDTH
     %  CAPACITY
        DEMAND ASSIGNMENT MULTIPLE ACCESS
        FREQUENCIES
        PACKET TRANSMISSION
        TRANSMISSION RATE (COMMUNICATIONS)

CHANNEL FLOW
  1202 3303
  GS    FLUID FLOW
        #CHANNEL FLOW
        ..OPEN CHANNEL FLOW
  RT    ANNULAR FLOW
        CAVITY FLOW
        CHOKED FLOW
        CORNER FLOW
        DREDGED MATERIALS
        DUCTED FLOW
        FLOW GEOMETRY
        FLUID INJECTION
        INCOMPRESSIBLE FLUIDS
        OUTLET FLOW
        PIPE FLOW
        WALL FLOW

CHANNEL MULTIPLIERS
  0905 1002 2306 2402 2403 2405 2903
  UF    CHANNELTRONS
  GS    MULTIPLIERS
        #CHANNEL MULTIPLIERS
  RT    AURORAL SPECTROSCOPY
        ELECTRON AVALANCHE
        MICROCHANNEL PLATES
        PHOTOMULTIPLIER TUBES
        RADIATION COUNTERS

CHANNEL NOISE
  0802
  RT    ALOHA SYSTEM
        BACKGROUND NOISE
        ELECTROMAGNETIC NOISE
        NOISE SPECTRA
        RANDOM NOISE
        SIGNAL TO NOISE RATIOS
        THERMAL NOISE
        TIME DIVISION MULTIPLE ACCESS
        TRELLIS CODING

CHANNEL WINGS
  0104
  GS    AIRFOILS
        .WINGS
```

.#CHANNEL WINGS
PLANFORMS
.WING PLANFORMS
.#CHANNEL WINGS
RT AERODYNAMIC CONFIGURATIONS
AIRCRAFT DESIGN
AIRCRAFT PARTS
AIRCRAFT STRUCTURES

% CHANNELS
0702 0802 1202
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT CHANNELS (DATA TRANSMISSION)
COMPUTER STORAGE DEVICES
DREDGED MATERIALS
DUCTS
FREQUENCIES
MEDIA
PARALLEL PLATES
STRUCTURAL MEMBERS
TELECOMMUNICATION
THROATS

CHANNELS (DATA TRANSMISSION)
0802 0803
UF DATA BUSSES
RT % CHANNELS
% DATA
DATA LINKS
DATA PROCESSING
DATA TRANSMISSION
PROTOCOL (COMPUTERS)
SINGLE CHANNEL PER CARRIER
TRANSMISSION

CHANNELTRONS
USE CHANNEL MULTIPLIERS

CHAOS
2307
RT BRANCHING (MATHEMATICS)
MATHEMATICAL MODELS
NONLINEAR SYSTEMS
PERIOD DOUBLING
STOCHASTIC PROCESSES
STRANGE ATTRACTORS

CHAOTIC CLOUD PATTERNS
USE CLOUDS (METEOROLOGY)

CHAPARRAL
0409
GS PLANTS (BOTANY)
.BRUSH (BOTANY)
.#CHAPARRAL
RT BOTANY
EARTH RESOURCES
TREES (PLANTS)

CHAPARRAL MISSILE
3106 3302 3401
GS MISSILES
.SURFACE TO AIR MISSILES
.#CHAPARRAL MISSILE
RT SPACE WEAPONS

CHAPLYGIN EQUATION
1902 1903 3501
GS FLOW EQUATIONS
#CHAPLYGIN EQUATION
RT % EQUATIONS
HODOGRAPHS
VECTOR SPACES

CHAPMAN SHEAR LAYER
USE SHEAR LAYERS

CHAPMAN-ENSKOG THEORY
1203 1902 2311 2404 3501
UF ENSKOG-CHAPMAN THEORY
GS KINETIC THEORY
.TRANSPORT THEORY
.#CHAPMAN-ENSKOG THEORY
RT BOLTZMANN TRANSPORT EQUATION
DISTRIBUTION FUNCTIONS
FLOW DISTRIBUTION
MONATOMIC GASES
RAREFIED GAS DYNAMICS
TEMPERATURE GRADIENTS
% THEORIES
THERMAL DIFFUSION

CHAPMAN-FERRARO PROBLEM
1302 1406 1410 2903
RT ATMOSPHERIC MODELS
EARTH MAGNETOSPHERE
INTERPLANETARY MAGNETIC FIELDS
MAGNETOPAUSE
% PROBLEMS
SOLAR WIND

CHAPMAN-JOUGET FLAME
USE CHEMICAL EQUILIBRIUM
DETONATION
FLAME PROPAGATION

CHARACTER RECOGNITION
0802 0804
GS RECOGNITION
.PATTERN RECOGNITION
.#CHARACTER RECOGNITION
RT ARTIFICIAL INTELLIGENCE
CONTRAST
% DETECTORS
GRAPHOLOGY
HANDWRITING
LEGIBILITY
OPTICAL DATA PROCESSING
OPTICAL SCANNERS
PERCEPTION
READERS
READING
RESOLUTION
SCENE ANALYSIS
% SENSORS
SYMBOLS
VISIBILITY

CHARACTERISTIC EQUATIONS
USE EIGENVALUES
EIGENVECTORS

CHARACTERISTIC FUNCTIONS
USE EIGENVALUES
EIGENVECTORS

CHARACTERISTIC METHOD
USE METHOD OF CHARACTERISTICS

% CHARACTERISTICS
1902 3408
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT AERODYNAMIC CHARACTERISTICS
CAPACITANCE-VOLTAGE CHARACTERISTICS
DYNAMIC CHARACTERISTICS
FLIGHT CHARACTERISTICS
FLOW CHARACTERISTICS
METHOD OF CHARACTERISTICS
POLARIZATION CHARACTERISTICS
SEGRE CHARACTERISTIC
SPRAY CHARACTERISTICS
STATIC AERODYNAMIC CHARACTERISTICS
VOLT-AMPERE CHARACTERISTICS

CHARACTERIZATION
0410 3406 3407
RT DESCRIPTIONS
EXAMINATION
REPRESENTATIONS

CHARACTERS

```
  USE  SYMBOLS

CHARCOAL
  0403 0505 0603 1805 1808
  GS  #CHARCOAL
       .ACTIVATED CARBON
  RT   ADSORBENTS
       CARBON
       COKE
       FUELS

CHARGE CARRIERS
  2304 2602
  GS  #CHARGE CARRIERS
       .FREE ELECTRONS
       .HOLES (ELECTRON DEFICIENCIES)
       .MAJORITY CARRIERS
       .MINORITY CARRIERS
  RT   CARRIER INJECTION
       CARRIER LIFETIME
     % CARRIERS
       ELECTRON MOBILITY
       HOLE MOBILITY

CHARGE COUPLED DEVICES
  0906 1002 1704 1804 2602 2603
  UF   CCD
  GS   ELECTRONIC EQUIPMENT
       .SOLID STATE DEVICES
       ..SEMICONDUCTOR DEVICES
       ...CHARGE TRANSFER DEVICES
       ...#CHARGE COUPLED DEVICES
  RT   BUCKET BRIGADE DEVICES
       CCD STAR TRACKER
       CHARGE INJECTION DEVICES
       FOCAL PLANE DEVICES
       ITO (SEMICONDUCTORS)

CHARGE DISTRIBUTION
  0902 1002 2304 2402
  GS   DISTRIBUTION (PROPERTY)
       #CHARGE DISTRIBUTION
       ELECTRICAL PROPERTIES
       #CHARGE DISTRIBUTION
  RT   CURRENT DISTRIBUTION
       ELECTRON DISTRIBUTION
       ELECTROSTATIC CHARGE
       FORCE DISTRIBUTION
       HOLE DISTRIBUTION (ELECTRONICS)
       ION DISTRIBUTION
       MASS DISTRIBUTION
       NEUTRAL ATOMS
       POLARIZATION (CHARGE SEPARATION)

CHARGE EFFICIENCY
  2307
  GS   EFFICIENCY
       #CHARGE EFFICIENCY
  RT   BATTERY CHARGERS
     % CHARGING
       ELECTRIC BATTERIES
       PRIMARY BATTERIES
       RECHARGING
       STORAGE BATTERIES

CHARGE EXCHANGE
  1203 2403 2405 2502
  SN   (LIMITED TO COLLISIONAL TRANSFER
       OF AN ELECTRON FROM A NEUTRAL ATOM
       OR MOLECULE TO AN ION--EXCLUDES
       SEMICONDUCTOR AND PHOTOCHEMICAL
       CHARGE TRANSFER)
  GS   EXCHANGING
       #CHARGE EXCHANGE
       ..RESONANCE CHARGE EXCHANGE
  RT   ELECTRON TRANSFER
       ION ATOM INTERACTIONS
       ION CHARGE
       ION PRODUCTION RATES
       PLASMA-PARTICLE INTERACTIONS
       RECOIL IONS

CHARGE FLOW DEVICES
  0903
  UF   CFD
  GS   ELECTRONIC EQUIPMENT
       .SOLID STATE DEVICES
       ..SEMICONDUCTOR DEVICES
       ...TRANSISTORS
       ....FIELD EFFECT TRANSISTORS
       ....#CHARGE FLOW DEVICES
  RT   INTEGRATED CIRCUITS
     % SENSORS

CHARGE INJECTION DEVICES
  0906
  UF   CID
  GS   ELECTRONIC EQUIPMENT
       .SOLID STATE DEVICES
       ..SEMICONDUCTOR DEVICES
       ...CHARGE TRANSFER DEVICES
       ...#CHARGE INJECTION DEVICES
  RT   CHARGE COUPLED DEVICES
       ELECTRO-OPTICS
       IMAGING TECHNIQUES
       SEMICONDUCTORS (MATERIALS)
       STAR TRACKERS

CHARGE SEPARATION
  USE  POLARIZATION (CHARGE SEPARATION)

CHARGE TRANSFER
  0604 0902 1001 2304
  SN   (EXCLUDES COLLISIONAL CHARGE
       EXCHANGE)
  RT   CARRIER INJECTION
       CHARGED PARTICLES
       ELECTRON TRANSFER
       ION EXCHANGING
       IONIC REACTIONS
       MASS TRANSFER
       PHOTOCHEMICAL REACTIONS
       POLARIZATION (CHARGE SEPARATION)
       TRANSFERRING

CHARGE TRANSFER DEVICES
  0906 1002 2602 2603 2704 2804
  UF   CTD
  GS   ELECTRONIC EQUIPMENT
       .SOLID STATE DEVICES
       ..SEMICONDUCTOR DEVICES
       ..#CHARGE TRANSFER DEVICES
       ....BUCKET BRIGADE DEVICES
       ....CHARGE COUPLED DEVICES
       ....CHARGE INJECTION DEVICES
  RT   ITO (SEMICONDUCTORS)
       ORGANIC CHARGE TRANSFER SALTS

CHARGED PARTICLES
  0604 1703 1804 2304 2401 2403 2405
  2903
  SN   (FOR IONIC PARTICLES SEE IONS)
  GS   PARTICLES
       #CHARGED PARTICLES
       ..ANTIPROTONS
       ..ENERGETIC PARTICLES
       ...ELECTRONS
       ....CONDUCTION ELECTRONS
       ....HIGH ENERGY ELECTRONS
       ....HOT ELECTRONS
       ....N ELECTRONS
       ....NEGATRONS
       ....PI-ELECTRONS
       ...NUCLEI (NUCLEAR PHYSICS)
       ....EVEN-EVEN NUCLEI
       ....HEAVY NUCLEI
       ....HYPERNUCLEI
       ....ODD-EVEN NUCLEI
       ....ODD-ODD NUCLEI
       ...PLASMAS (PHYSICS)
       ....ARGON PLASMA
       ....BETA PARTICLES
       ....BOUNDARY LAYER PLASMAS
       ....COLD PLASMAS
       ....COLLISIONAL PLASMAS
```

.....STRONGLY COUPLED PLASMAS
....COLLISIONLESS PLASMAS
....COSMIC PLASMA
....CYLINDRICAL PLASMAS
....DENSE PLASMAS
.....PLASMA FOCUS
.....STRONGLY COUPLED PLASMAS
....ELECTRON PLASMA
....ELECTRON-POSITRON PLASMAS
....ELLIPTICAL PLASMAS
....HELIUM PLASMA
....HIGH TEMPERATURE PLASMAS
....HYDROGEN PLASMA
.....DEUTERIUM PLASMA
....LASER PLASMAS
....METALLIC PLASMAS
.....CESIUM PLASMA
....MICROPLASMAS
....NITROGEN PLASMA
....NONEQUILIBRIUM PLASMAS
....NONUNIFORM PLASMAS
....OXYGEN PLASMA
....RAREFIED PLASMAS
....RELATIVISTIC PLASMAS
....ROTATING PLASMAS
....SEMICONDUCTOR PLASMAS
....SPACE PLASMAS
.....SOLAR WIND
.....STELLAR WINDS
....SPHERICAL PLASMAS
....THERMAL PLASMAS
....TOROIDAL PLASMAS
..IONIZED GASES
...LORENTZ GAS
..MAGNETICALLY TRAPPED PARTICLES
...RADIATION BELTS
....ARTIFICIAL RADIATION BELTS
....INNER RADIATION BELT
....OUTER RADIATION BELT
....PROTON BELTS
..PARTONS
..PLASMA CLOUDS
...MAGNETIC CLOUDS
..PLASMA JETS
...RADIO JETS (ASTRONOMY)
..PLASMA LAYERS
...PLASMA SHEATHS
..PLASMA SLABS
..POSITRONS
..PROTONS
...RECOIL PROTONS
...SOLAR PROTONS
RT ANTINEUTRINOS
ANTIPARTICLES
BOSONS
CHARGE TRANSFER
CORPUSCULAR RADIATION
COULOMB COLLISIONS
COULOMB POTENTIAL
CYCLOTRON FREQUENCY
CYCLOTRON RADIATION
CYCLOTRON RESONANCE
DEUTERON IRRADIATION
ELECTRON-POSITRON PAIRS
ELEMENTARY PARTICLES
ETA-MESONS
GYROFREQUENCY
HELIOS PROJECT
HYPERONS
ION CHARGE
KAONS
LEPTONS
LORENTZ FORCE
MESON-NUCLEON INTERACTIONS
MESONS
MUON SPIN ROTATION
MUONS
NEUTRAL SHEETS
NEUTRONS
NONADIABATIC THEORY
% NUCLEI
NUCLEON-NUCLEON INTERACTIONS
NUCLEONS
OMEGA-MESONS
PARTICLE CHARGING
PARTICLE PRECIPITATION
PARTICLE TRAJECTORIES
PIONS
REISSNER-NORDSTROM SOLUTION
RHO-MESONS
SIGMA-MESONS
SINGLE EVENT UPSETS
TRAPPED PARTICLES

% CHARGING
2304 2307 2401 2402 3302
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT BATTERY CHARGERS
CHARGE EFFICIENCY
ELECTRIC CHARGE
ELECTROSTATIC CHARGE
EXPLOSIVE DEVICES
EXPLOSIVES
FILLING
INJECTION
MAGNETIC CHARGE DENSITY
SCATHA SATELLITE

CHARM (PARTICLE PHYSICS)
2311
RT HADRONS
LEPTONS
PARTICLE INTERACTIONS
PARTICLE THEORY
% PHYSICS
QUANTUM THEORY
THEORETICAL PHYSICS

CHARON
3009
GS CELESTIAL BODIES
.NATURAL SATELLITES
.#CHARON
RT CALLISTO
DEIMOS
EARTH-MOON SYSTEM
EUROPA
GALILEAN SATELLITES
GANYMEDE
IAPETUS
IO
PLANETARY ORBITS
PLUTO (PLANET)
SOLAR SYSTEM
TITAN

CHARPY IMPACT TEST
3201 3203
GS IMPACT TESTS
#CHARPY IMPACT TEST
NOTCH TESTS
#CHARPY IMPACT TEST
RT BRITTLENESS
DROP TESTS
HARDNESS
% MATERIALS TESTS
NOTCH SENSITIVITY

CHARRING
0403 1805 1808 1810 3305
RT ABLATION
CARBONIZATION
COMBUSTION
DECOMPOSITION
FIRE DAMAGE
OXIDATION
THERMAL ABSORPTION

CHARTS
1001 1308 1902 2103 3406 4001
GS #CHARTS
.FLOW CHARTS
.GRAPHS (CHARTS)

..BOND GRAPHS
..GOMPERTZ CURVES
..MOLLIER DIAGRAM
..PATTERSON MAP
.METEOROLOGICAL CHARTS
.NAUTICAL CHARTS
RT BLOCK DIAGRAMS
DIAGRAMS
DISPLAY DEVICES
DRAWINGS
GRAPHIC ARTS
MAPS
NAVIGATION AIDS
NOMOGRAPHS
% PLOTS
STATISTICAL ANALYSIS
STATISTICAL TESTS
VISUAL AIDS

CHASSIGNITES
1306 3005
GS CELESTIAL BODIES
.METEORITES
..STONY METEORITES
...ACHONDRITES
...#CHASSIGNITES
RT NAKHLITES
SHERGOTTITES

CHASSIS
0902 0905
GS FRAMES
#CHASSIS
RT AUTOMOBILES
CARRIAGES
% HEADERS
STRUTS
SUPPORTS
UNDERCARRIAGES

CHEBYSHEV APPROXIMATION
1902 1905 3501
GS ANALYSIS (MATHEMATICS)
.NUMERICAL ANALYSIS
..APPROXIMATION
..#CHEBYSHEV APPROXIMATION
RT SERIES (MATHEMATICS)
STATISTICAL ANALYSIS

CHECKOUT
0802 1102 1108 3409 3501
SN (SEQUENCE OF TESTS TO DETERMINE
FUNCTIONAL READINESS OF EQUIPMENT)
UF DEBUGGING
RT AIRCRAFT MAINTENANCE
CEFOAM CHECKOUT EQUIPMENT
CERTIFICATION
COLD FLOW TESTS
COUNTDOWN
FILE MAINTENANCE (COMPUTERS)
INSPECTION
MAINTENANCE
PERFORMANCE TESTS
PREFIRING TESTS
PROGRAM VERIFICATION (COMPUTERS)
SELF TESTS
SPACE VEHICLE CHECKOUT PROGRAM
SPACECRAFT MAINTENANCE
% TEST EQUIPMENT
% TESTS

CHECKOUT EQUIPMENT
USE TEST EQUIPMENT

CHELATE COMPOUNDS
USE CHELATES

CHELATES
0403 1704 1808
UF CHELATE COMPOUNDS
RT CHELATION
% CHEMICAL COMPOUNDS
ORGANOMETALLIC COMPOUNDS

CHELATION
0403 0602 1704
RT CHELATES
CHEMICAL REACTIONS

CHEMICAL ANALYSIS
0403 0601 0603 1411
GS CHEMICAL TESTS
#CHEMICAL ANALYSIS
..CHROMATOGRAPHY
...GAS CHROMATOGRAPHY
...LIQUID CHROMATOGRAPHY
...PAPER CHROMATOGRAPHY
...THIN LAYER CHROMATOGRAPHY
..ELECTROPHOTOMETRY
..GAS ANALYSIS
...OZONOMETRY
...VAN SLYKE METHOD
..IODIMETRY
..KARL FISCHER REAGENT
..MICROANALYSIS
..NEUTRON ACTIVATION ANALYSIS
..POTENTIOMETRIC ANALYSIS
..QUALITATIVE ANALYSIS
..QUANTITATIVE ANALYSIS
...KJELDAHL METHOD
...VAN SLYKE METHOD
..SPECTROSCOPIC ANALYSIS
..URINALYSIS
..VOLUMETRIC ANALYSIS
RT ALKALINITY
ANALYTICAL CHEMISTRY
% ANALYZING
ASSAYING
AUGER SPECTROSCOPY
% CHEMISTRY
COLORIMETRY
COULOMETERS
DENSITY MEASUREMENT
DIFFRACTOMETERS
ELECTRON PROBES
FUEL TESTS
GAS SPECTROSCOPY
HYDROMETERS
HYGROMETERS
IDENTIFYING
INFRARED SPECTROPHOTOMETERS
INFRARED SPECTROSCOPY
ION SELECTIVE ELECTRODES
ISOTOPIC LABELING
LASER SPECTROSCOPY
MARS SURFACE SAMPLES
MASS SPECTROMETERS
MASS SPECTROSCOPY
% MATERIALS TESTS
% MEASUREMENT
METALLICITY
METHYLENE BLUE
MOISTURE METERS
MUTAGENS
NEPHANALYSIS
OPTICAL MEASUREMENT
PARTICLE TRACKS
PARTICULATE SAMPLING
PHOTOMETRY
PHYSICAL CHEMISTRY
POLARIMETERS
POLAROGRAPHY
PSYCHROMETERS
RADIOCHEMISTRY
REAGENTS
SAMPLING
SPECTRAL SIGNATURES
SPECTROMETERS
SPECTROPHOTOMETERS
SPECTROSCOPY
% TESTS
THERMOGRAVIMETRY
TITRIMETERS
X RAY ANALYSIS

```
CHEMICAL ATTACK
  0603 1702
  GS  #CHEMICAL ATTACK
      .INTERGRANULAR CORROSION
      .TRANSGRANULAR CORROSION
  RT % ATTACK
      CORROSION
      CORROSION PREVENTION
      CORROSION RESISTANCE
      CORROSION TESTS
      DEGRADATION
      DISSOLVING
      IMPREGNATING
      OXIDATION
      PASSIVITY
      PITTING
      RUSTING
      SCALE (CORROSION)

CHEMICAL AUXILIARY POWER UNITS
  0302 0303 0602
  GS   AUXILIARY POWER SOURCES
       #CHEMICAL AUXILIARY POWER UNITS
  RT   ELECTRIC BATTERIES
       FUEL CELLS
       LEAD ACID BATTERIES
       MAGNESIUM CELLS

CHEMICAL BONDS
  0403 0603
  UF   MOLECULAR BONDS
  GS  #CHEMICAL BONDS
      .COVALENT BONDS
      .HYDROGEN BONDS
  RT   AGGLUTINATION
       BONDING
       COUPLED MODES
       COVALENCE
       CRYSTAL LATTICES
       IONIC CRYSTALS
       LIGANDS
       MOLECULES
       MONATOMIC MOLECULES
       OCTETS
       POLYATOMIC MOLECULES
       POLYWATER
       SATURATION (CHEMISTRY)
       SWAN BANDS
       UNSATURATION (CHEMISTRY)
       VALENCE

CHEMICAL CLEANING
  0602 1502 1504
  GS   CLEANING
       #CHEMICAL CLEANING
       ..PICKLING (METALLURGY)
  RT   DESCALING
       DISSOLVING

CHEMICAL CLOUDS
  1301
  GS   CLOUDS (METEOROLOGY)
       .ARTIFICIAL CLOUDS
       .#CHEMICAL CLOUDS
       ...BARIUM ION CLOUDS
  RT   CHEMICAL RELEASE MODULES
       CRRES (SATELLITE)
       PARTICLES
       PLASMA CLOUDS

CHEMICAL COMPOSITION
  0403 0601 0603 3009
  GS   COMPOSITION (PROPERTY)
       #CHEMICAL COMPOSITION
       ..CARBON DIOXIDE CONCENTRATION
       ..STELLAR COMPOSITION
  RT   ALKALINITY
       ATMOSPHERIC COMPOSITION
       ATOM CONCENTRATION
       BODY COMPOSITION (BIOLOGY)
       DISTRIBUTION (PROPERTY)
       GAS COMPOSITION
       IONOSPHERIC COMPOSITION
       LIGANDS
       METALLIC STARS
       METALLICITY
       PLANETARY STRUCTURE
       SPECTRAL SIGNATURES

% CHEMICAL COMPOUNDS
  0403 0603
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   ACETYL COMPOUNDS
       ACTINIDE SERIES COMPOUNDS
       ADDUCTS
     % ALKALI METAL COMPOUNDS
     % ALKALINE EARTH COMPOUNDS
       ALKYL COMPOUNDS
       ALLYL COMPOUNDS
       ALUMINUM COMPOUNDS
       AMMINES
       AMMONIUM COMPOUNDS
       ANTIMONY COMPOUNDS
     % AROMATIC COMPOUNDS
       ARSENIC COMPOUNDS
       AZO COMPOUNDS
       BARIUM COMPOUNDS
       BERYLLIUM COMPOUNDS
       BISMUTH COMPOUNDS
       BORON COMPOUNDS
       BORON-EPOXY COMPOSITES
       BROMINE COMPOUNDS
       CADMIUM COMPOUNDS
       CALCIUM COMPOUNDS
       CARBON COMPOUNDS
       CARBONYL COMPOUNDS
       CERIUM COMPOUNDS
       CESIUM COMPOUNDS
       CETYL COMPOUNDS
       CHELATES
     % CHEMICALS
       CHLORINE COMPOUNDS
       CHROMIUM COMPOUNDS
       CLATHRATES
       COBALT COMPOUNDS
       COMPLEX COMPOUNDS
       COMPOUND A
     % COMPOUNDS
       CONGENERS
       COPPER COMPOUNDS
       CURIUM COMPOUNDS
       CYANO COMPOUNDS
       CYCLIC COMPOUNDS
       DEUTERIUM COMPOUNDS
       DIALLYL COMPOUNDS
       DIBASIC COMPOUNDS
       DIBUTYL COMPOUNDS
       DIFLUORO COMPOUNDS
       DIPHENYL COMPOUNDS
       DOPA
       DYSPROSIUM COMPOUNDS
       EPOXY COMPOUNDS
       ERBIUM COMPOUNDS
       ETHYL COMPOUNDS
       ETHYLENE COMPOUNDS
       EUROPIUM COMPOUNDS
       FLUORINE COMPOUNDS
       FLUORINE ORGANIC COMPOUNDS
       FLUORO COMPOUNDS
       FURANS
       GALLIUM COMPOUNDS
       GERMANIUM COMPOUNDS
     % GROUP 1B COMPOUNDS
     % GROUP 2B COMPOUNDS
     % GROUP 3A COMPOUNDS
     % GROUP 3B COMPOUNDS
     % GROUP 4A COMPOUNDS
     % GROUP 4B COMPOUNDS
     % GROUP 5A COMPOUNDS
     % GROUP 5B COMPOUNDS
     % GROUP 6A COMPOUNDS
     % GROUP 6B COMPOUNDS
     % GROUP 7B COMPOUNDS
```

% GROUP 8 COMPOUNDS
HAFNIUM COMPOUNDS
HALOCARBONS
HALOGEN COMPOUNDS
HETEROCYCLIC COMPOUNDS
HEXYL COMPOUNDS
HYDRAZINIUM COMPOUNDS
HYDRAZONIUM COMPOUNDS
HYDROGEN COMPOUNDS
HYDROXYL COMPOUNDS
INDIUM COMPOUNDS
INORGANIC COMPOUNDS
INTERCALATION
IODINE COMPOUNDS
IRIDIUM COMPOUNDS
IRON COMPOUNDS
ISOPROPYL COMPOUNDS
LANTHANUM COMPOUNDS
LEAD COMPOUNDS
LEAD ORGANIC COMPOUNDS
LITHIUM COMPOUNDS
LUTETIUM COMPOUNDS
MAGNESIUM COMPOUNDS
MANGANESE COMPOUNDS
MERCURY COMPOUNDS
% METAL COMPOUNDS
METHOXY SYSTEMS
METHYL COMPOUNDS
MOLECULES
MOLYBDENUM COMPOUNDS
MONATOMIC MOLECULES
NEODYMIUM COMPOUNDS
NEPTUNIUM COMPOUNDS
NICKEL COMPOUNDS
NIOBIUM COMPOUNDS
NITRO COMPOUNDS
NITROGEN COMPOUNDS
NITRONIUM COMPOUNDS
NITROSO COMPOUNDS
ORGANIC ALUMINUM COMPOUNDS
ORGANIC BORON COMPOUNDS
ORGANIC COMPOUNDS
ORGANIC GERMANIUM COMPOUNDS
ORGANIC LITHIUM COMPOUNDS
ORGANIC PHOSPHORUS COMPOUNDS
ORGANIC SEMICONDUCTORS
ORGANIC SILICON COMPOUNDS
ORGANIC SULFUR COMPOUNDS
ORGANIC TIN COMPOUNDS
ORGANOMETALLIC COMPOUNDS
OSMIUM COMPOUNDS
% OXYGEN COMPOUNDS
OXYNITRIDES
PALLADIUM COMPOUNDS
PHOSGENE
PHOSPHONIUM COMPOUNDS
PHOSPHORUS COMPOUNDS
PLATINUM COMPOUNDS
PLUTONIUM COMPOUNDS
POLONIUM COMPOUNDS
POLYATOMIC MOLECULES
POLYNUCLEAR ORGANIC COMPOUNDS
POLYQUINOXALINES
POTASSIUM COMPOUNDS
PRASEODYMIUM COMPOUNDS
PROPYL COMPOUNDS
PROTACTINIUM COMPOUNDS
RARE EARTH COMPOUNDS
% RARE GAS COMPOUNDS
REFRACTORY MATERIALS
RHENIUM COMPOUNDS
RHODIUM COMPOUNDS
RUBIDIUM COMPOUNDS
RUTHENIUM COMPOUNDS
SAMARIUM COMPOUNDS
SCANDIUM COMPOUNDS
SELENIUM COMPOUNDS
SILICON COMPOUNDS
SILVER COMPOUNDS
SODIUM COMPOUNDS
STRONTIUM COMPOUNDS
STRONTIUM OXIDES
STYPHNATES
SULFUR COMPOUNDS
SULFUR HEXAFLUORIDE
TANTALUM COMPOUNDS
TECHNETIUM COMPOUNDS
TELLURIUM COMPOUNDS
TETRAHYDROFURAN
THIOLS
THORIUM COMPOUNDS
THULIUM COMPOUNDS
TIN COMPOUNDS
TITANIUM COMPOUNDS
TRIETHYL COMPOUNDS
TRIMETHYL COMPOUNDS
TRINITRO COMPOUNDS
TROPYL COMPOUNDS
TUNGSTEN COMPOUNDS
URANIUM COMPOUNDS
VANADIUM COMPOUNDS
VANADYL COMPOUNDS
WISWESSER NOTATIONS
XENON COMPOUNDS
YTTERBIUM COMPOUNDS
YTTRIUM COMPOUNDS
ZINC COMPOUNDS
ZIRCONIUM COMPOUNDS

CHEMICAL DEFENSE
0401
RT CIVIL DEFENSE
CLOTHING
DRUGS
FIRST AID
INJURIES
MASKS
NEUROLOGY
PHYSIOLOGICAL FACTORS
PROTECTIVE CLOTHING
SAFETY DEVICES
WARFARE

CHEMICAL EFFECTS
0403 0603
RT BIOLOGICAL EFFECTS
% EFFECTS
STERILIZATION EFFECTS
TEMPERATURE EFFECTS

CHEMICAL ELEMENTS
0601
GS #CHEMICAL ELEMENTS
.ACTINIDE SERIES
..ACTINIUM
..RADIUM
...RADIUM ISOTOPES
....RADIUM 226
..THORIUM
...THORIUM ISOTOPES
..TRANSURANIUM ELEMENTS
...AMERICIUM
....AMERICIUM ISOTOPES
.....AMERICIUM 241
...BERKELIUM
...CALIFORNIUM
....CALIFORNIUM ISOTOPES
...CURIUM
....CURIUM ISOTOPES
.....CURIUM 242
.....CURIUM 244
...EINSTEINIUM
...FERMIUM
...LAWRENCIUM
...MENDELEVIUM
...NEPTUNIUM
....NEPTUNIUM ISOTOPES
...NOBELIUM
...PLUTONIUM
....PLUTONIUM ISOTOPES
.....PLUTONIUM 238
.....PLUTONIUM 239
.....PLUTONIUM 240
.....PLUTONIUM 241
.....PLUTONIUM 244

...SERGENIUM
..URANIUM
...URANIUM ISOTOPES
....URANIUM 232
....URANIUM 233
....URANIUM 234
....URANIUM 235
....URANIUM 238
.ALKALI METALS
..CESIUM
...CESIUM ISOTOPES
....CESIUM 133
....CESIUM 134
....CESIUM 137
....CESIUM 144
..CESIUM VAPOR
..FRANCIUM
..LITHIUM
...LIQUID LITHIUM
...LITHIUM ISOTOPES
..POTASSIUM
...LIQUID POTASSIUM
...POTASSIUM ISOTOPES
....POTASSIUM 38
....POTASSIUM 39
....POTASSIUM 40
..RUBIDIUM
...RUBIDIUM ISOTOPES
....RUBIDIUM 86
..SODIUM
...LIQUID SODIUM
...SODIUM ISOTOPES
....SODIUM 22
....SODIUM 24
...SODIUM VAPOR
.ALKALINE EARTH METALS
..BARIUM ISOTOPES
.ALUMINUM
..ALUMINUM ISOTOPES
...ALUMINUM 26
...ALUMINUM 27
.BARIUM
..BARIUM ISOTOPES
.BERYLLIUM
..BERYLLIUM ISOTOPES
...BERYLLIUM 7
...BERYLLIUM 9
...BERYLLIUM 10
.BISMUTH
..BISMUTH ISOTOPES
.CADMIUM
..CADMIUM ISOTOPES
.CALCIUM
..CALCIUM ISOTOPES
.CARBON
..CARBON ISOTOPES
...CARBON 12
...CARBON 13
...CARBON 14
.CHROMIUM
..CHROMIUM ISOTOPES
.COBALT
..COBALT ISOTOPES
...COBALT 58
...COBALT 60
.COPPER
..COPPER ISOTOPES
.ELEMENT 104
.ELEMENT 105
.GALLIUM
..GALLIUM ISOTOPES
.GOLD
..GOLD ISOTOPES
...GOLD 198
.HAFNIUM
..HAFNIUM ISOTOPES
.HALOGENS
..ASTATINE
..BROMINE
...BROMINE ISOTOPES
..CHLORINE
..FLUORINE
...FLUORINE ISOTOPES
..IODINE
...IODINE ISOTOPES
....IODINE 125
....IODINE 131
....IODINE 132
.HEAVY ELEMENTS
.HYDROGEN
..HYDROGEN ISOTOPES
...DEUTERIUM
...HYDROGEN 4
...METALLIC HYDROGEN
...TRITIUM
..LIQUID HYDROGEN
.INDIUM
.IRIDIUM
..IRIDIUM ISOTOPES
.IRON
..IRON ISOTOPES
...IRON 57
...IRON 58
...IRON 59
.LEAD (METAL)
..LEAD ISOTOPES
.LIGHT ELEMENTS
.MAGNESIUM
..MAGNESIUM ISOTOPES
.MANGANESE
..MANGANESE ISOTOPES
.MERCURY (METAL)
..MERCURY ISOTOPES
..MERCURY VAPOR
.METALLOIDS
..ANTIMONY
..ANTIMONY ISOTOPES
..ARSENIC
...ARSENIC ISOTOPES
..BORON
...BORON ISOTOPES
....BORON 10
..GERMANIUM
...GERMANIUM ISOTOPES
..POLONIUM
...POLONIUM ISOTOPES
....POLONIUM 208
....POLONIUM 209
....POLONIUM 210
..SILICON
...AMORPHOUS SILICON
...SILICON ISOTOPES
..TELLURIUM
...TELLURIUM ISOTOPES
.MOLYBDENUM
.NICKEL
..NICKEL ISOTOPES
.NIOBIUM
..NIOBIUM ISOTOPES
...NIOBIUM 95
.NITROGEN
..LIQUID NITROGEN
..NITROGEN ISOTOPES
...NITROGEN 15
...NITROGEN 16
..SOLID NITROGEN
.NUCLIDES
..ISOTOPES
...ALUMINUM ISOTOPES
....ALUMINUM 26
....ALUMINUM 27
...ANTIMONY ISOTOPES
...ARGON ISOTOPES
...ARSENIC ISOTOPES
...BARIUM ISOTOPES
...BERYLLIUM ISOTOPES
....BERYLLIUM 7
....BERYLLIUM 9
....BERYLLIUM 10
...BISMUTH ISOTOPES
...BORON ISOTOPES
....BORON 10
...BROMINE ISOTOPES
...CADMIUM ISOTOPES
...CALCIUM ISOTOPES

...CARBON ISOTOPES
....CARBON 12
....CARBON 13
....CARBON 14
...CERIUM ISOTOPES
....CERIUM 137
....CERIUM 144
...CESIUM ISOTOPES
....CESIUM 133
....CESIUM 134
....CESIUM 137
....CESIUM 144
...CESIUM VAPOR
...CHROMIUM ISOTOPES
...COBALT ISOTOPES
....COBALT 58
....COBALT 60
...DYSPROSIUM ISOTOPES
...ERBIUM ISOTOPES
...EUROPIUM ISOTOPES
...FLUORINE ISOTOPES
...GADOLINIUM ISOTOPES
...GALLIUM ISOTOPES
...GERMANIUM ISOTOPES
...GOLD ISOTOPES
....GOLD 198
...HAFNIUM ISOTOPES
...HELIUM ISOTOPES
...HOLMIUM ISOTOPES
...HYDROGEN ISOTOPES
....DEUTERIUM
....HYDROGEN 4
....TRITIUM
...IODINE ISOTOPES
....IODINE 125
....IODINE 131
....IODINE 132
...IRIDIUM ISOTOPES
...IRON ISOTOPES
....IRON 57
....IRON 58
....IRON 59
...KRYPTON ISOTOPES
....KRYPTON 85
...LANTHANUM ISOTOPES
...LEAD ISOTOPES
...LITHIUM ISOTOPES
...LUTETIUM
....LUTETIUM ISOTOPES
...MANGANESE ISOTOPES
...MERCURY ISOTOPES
...MOLYBDENUM ISOTOPES
...NEODYMIUM ISOTOPES
...NEON ISOTOPES
...NICKEL ISOTOPES
...NIOBIUM ISOTOPES
....NIOBIUM 95
...NITROGEN ISOTOPES
....NITROGEN 15
....NITROGEN 16
...NOBELIUM ISOTOPES
...OXYGEN ISOTOPES
....OXYGEN 18
...PALLADIUM ISOTOPES
...PHOSPHORUS ISOTOPES
....PHOSPHORUS 32
...PLATINUM ISOTOPES
...POLONIUM ISOTOPES
....POLONIUM 208
....POLONIUM 209
....POLONIUM 210
...POTASSIUM ISOTOPES
....POTASSIUM 38
....POTASSIUM 39
....POTASSIUM 40
...PRASEODYMIUM ISOTOPES
...PROMETHIUM ISOTOPES
...PROTACTINIUM ISOTOPES
...RADIOACTIVE ISOTOPES
....ASTATINE ISOTOPES
....BERYLLIUM 7
....BERYLLIUM 9
....BERYLLIUM 10
....CARBON 14
....CERIUM 137
....CERIUM 144
....CESIUM 134
....CESIUM 137
....CESIUM 144
....COBALT 58
....COBALT 60
....GOLD 198
....INDIUM ISOTOPES
....IODINE 125
....IODINE 131
....IODINE 132
....IRON 59
....KRYPTON 85
....NIOBIUM 95
....NITROGEN 16
....PHOSPHORUS 32
....POLONIUM 208
....POLONIUM 209
....POLONIUM 210
....POTASSIUM 38
....POTASSIUM 40
....RUBIDIUM 86
....SODIUM 22
....SODIUM 24
....STRONTIUM 85
....STRONTIUM 88
....STRONTIUM 89
....STRONTIUM 90
....TRANSURANIUM ELEMENTS
.....AMERICIUM
.....AMERICIUM ISOTOPES
.....AMERICIUM 241
.....BERKELIUM
.....CALIFORNIUM
.....CALIFORNIUM ISOTOPES
.....CURIUM
.....CURIUM ISOTOPES
.....CURIUM 242
.....CURIUM 244
.....EINSTEINIUM
.....FERMIUM
.....LAWRENCIUM
.....MENDELEVIUM
.....NEPTUNIUM
.....NEPTUNIUM ISOTOPES
.....NOBELIUM
.....PLUTONIUM
.....PLUTONIUM ISOTOPES
.....PLUTONIUM 238
.....PLUTONIUM 239
.....PLUTONIUM 240
.....PLUTONIUM 241
.....PLUTONIUM 244
.....SERGENIUM
....TRITIUM
....URANIUM 232
....URANIUM 233
....URANIUM 238
....XENON 133
....XENON 135
....ZIRCONIUM 95
...RADIUM ISOTOPES
....RADIUM 226
...RADON ISOTOPES
...RHENIUM ISOTOPES
...RHODIUM ISOTOPES
...RUBIDIUM ISOTOPES
....RUBIDIUM 86
...RUTHENIUM ISOTOPES
...SCANDIUM ISOTOPES
...SELENIUM ISOTOPES
...SILVER ISOTOPES
...SODIUM ISOTOPES
....SODIUM 22
....SODIUM 24
...STRONTIUM ISOTOPES
....STRONTIUM 85
....STRONTIUM 87
....STRONTIUM 89
....STRONTIUM 90

...TANTALUM ISOTOPES
...TELLURIUM
....TELLURIUM ISOTOPES
...TERBIUM ISOTOPES
...THORIUM ISOTOPES
...THULIUM ISOTOPES
...TIN ISOTOPES
...TITANIUM ISOTOPES
...URANIUM ISOTOPES
....URANIUM 232
....URANIUM 233
....URANIUM 234
....URANIUM 235
....URANIUM 238
...VANADIUM ISOTOPES
...XENON ISOTOPES
....XENON 129
....XENON 133
....XENON 135
...YTTRIUM ISOTOPES
...ZINC ISOTOPES
...ZIRCONIUM ISOTOPES
....ZIRCONIUM 95
.OSMIUM
..OSMIUM ISOTOPES
.OXYGEN
..LIQUID OXYGEN
..OXYGEN ISOTOPES
...OXYGEN 17
...OXYGEN 18
.PALLADIUM
.PHOSPHORUS
..PHOSPHORUS ISOTOPES
...PHOSPHORUS 32
.PLATINUM
..PLATINUM ISOTOPES
.PROTACTINIUM
..PROTACTINIUM ISOTOPES
.RARE EARTH ELEMENTS
..CERIUM
...CERIUM ISOTOPES
....CERIUM 137
....CERIUM 144
..DYSPROSIUM
...DYSPROSIUM ISOTOPES
..ERBIUM
...ERBIUM ISOTOPES
..EUROPIUM
...EUROPIUM ISOTOPES
..GADOLINIUM
...GADOLINIUM ISOTOPES
..HOLMIUM
...HOLMIUM ISOTOPES
..LANTHANUM
...LANTHANUM ISOTOPES
..LUTETIUM
...LUTETIUM ISOTOPES
..NEODYMIUM
..NEODYMIUM ISOTOPES
..PRASEODYMIUM
...PRASEODYMIUM ISOTOPES
..PROMETHIUM
...PROMETHIUM ISOTOPES
..SAMARIUM
...SAMARIUM ISOTOPES
..SCANDIUM
...SCANDIUM ISOTOPES
..TERBIUM
...TERBIUM ISOTOPES
..THULIUM
...THULIUM ISOTOPES
..YTTERBIUM
...YTTERBIUM ISOTOPES
..YTTRIUM
...YTTRIUM ISOTOPES
.RARE GASES
..ARGON
...ARGON ISOTOPES
..HELIUM
...HELIUM ISOTOPES
...LIQUID HELIUM
....LIQUID HELIUM 2
..KRYPTON
...KRYPTON ISOTOPES
....KRYPTON 85
..NEON
...LIQUID NEON
...NEON ISOTOPES
..RADON
...RADON ISOTOPES
..XENON
...XENON ISOTOPES
....XENON 129
....XENON 133
....XENON 135
.RHENIUM
..RHENIUM ISOTOPES
.RHODIUM
..RHODIUM ISOTOPES
.RUTHENIUM
..RUTHENIUM ISOTOPES
.SELENIUM
.SILVER
..SILVER ISOTOPES
.STRONTIUM
..STRONTIUM ISOTOPES
...STRONTIUM 85
...STRONTIUM 87
...STRONTIUM 89
...STRONTIUM 90
.SULFUR
..SULFUR ISOTOPES
.TANTALUM
..TANTALUM ISOTOPES
.TECHNETIUM
.THALLIUM
..THALLIUM ISOTOPES
.TIN
..TIN ISOTOPES
.TITANIUM
..TITANIUM ISOTOPES
.TUNGSTEN
.VANADIUM
..VANADIUM ISOTOPES
.ZINC
..ZINC ISOTOPES
.ZIRCONIUM
..ZIRCONIUM ISOTOPES
...ZIRCONIUM 95
RT ATOMS
% CHEMICALS
% ELEMENTS
FERROUS METALS
IONS
ISOTOPIC ENRICHMENT
LIGHT IONS
METALS
NONFERROUS METALS
NUCLEAR ISOBARS
PLASMAS (PHYSICS)
TRACE CONTAMINANTS

CHEMICAL ENERGY
0302 0603
GS #CHEMICAL ENERGY
.ENERGY OF FORMATION
RT % ENERGY
FREE ENERGY
INTERNAL ENERGY
KINETIC ENERGY
% LEVEL
MOLECULAR ENERGY LEVELS
% NUCLEAR ENERGY
POTENTIAL ENERGY

CHEMICAL ENGINEERING
0602 3404
RT AEROTHERMOCHEMISTRY
% CHEMISTRY
COMBUSTION CHEMISTRY
CRACKING (CHEMICAL ENGINEERING)
DIFFUSION
% ENGINEERING
FLUID FLOW
FURNACES

```
      HEAT TRANSFER
      MATERIALS HANDLING
    % OPERATIONS
      THERMOCHEMISTRY

CHEMICAL EQUILIBRIUM
  0403 0602 0603 3304
  UF  CHAPMAN-JOUGET FLAME
      CHEMICAL SHIFT
  GS  #CHEMICAL EQUILIBRIUM
      .ACID BASE EQUILIBRIUM
  RT  ASSOCIATION REACTIONS
      BUFFERS (CHEMISTRY)
      DISSOCIATION
    % EQUILIBRIUM
      HEAT OF DISSOCIATION
      PHASE RULE
      REACTION KINETICS
      THERMODYNAMIC EQUILIBRIUM

CHEMICAL EVOLUTION
  0404 3009
  GS  EVOLUTION (DEVELOPMENT)
      #CHEMICAL EVOLUTION
  RT  ABIOGENESIS
      BIOLOGICAL EVOLUTION
    % EVOLUTION
      EXOBIOLOGY
      LIFE SCIENCES
      ORGANIC COMPOUNDS
      PROTEIN SYNTHESIS
      PROTOBIOLOGY

CHEMICAL EXPLOSIONS
  0602 0603 3301 3302
  GS  EXPLOSIONS
      #CHEMICAL EXPLOSIONS
      ..GAS EXPLOSIONS
  RT  AERIAL EXPLOSIONS
      COMBUSTION
      DETONABLE GAS MIXTURES
      DETONATION
      EXPLOSIVES
      FLAMMABLE GASES
      TURBULENT COMBUSTION
      UNDERGROUND EXPLOSIONS
      UNDERWATER EXPLOSIONS

CHEMICAL EXTINGUISHERS
  USE  FIRE EXTINGUISHERS

CHEMICAL FRACTIONATION
  0602
  GS  FRACTIONATION
      #CHEMICAL FRACTIONATION
  RT  DISTILLATION
      REFINING
    % SEPARATION

CHEMICAL FUELS
  0602 2203 2701 2702
  GS  FUELS
      #CHEMICAL FUELS
      ..ENDOTHERMIC FUELS
      ..HIGH ENERGY FUELS
      ..HYDROCARBON FUELS
      ...DIESEL FUELS
      ...GASOLINE
      ...JET ENGINE FUELS
      ....JP-4 JET FUEL
      ....JP-5 JET FUEL
      ....JP-6 JET FUEL
      ....JP-8 JET FUEL
      ...LIQUEFIED NATURAL GAS
      ...SYNTHANE
      ..LIQUID FUELS
      ...AIRCRAFT FUELS
      ...ANTIMISTING FUELS
      ...AUTOMOBILE FUELS
      ...DIESEL FUELS
      ...GASOLINE
      ...HYDROGEN FUELS
      ...JET ENGINE FUELS
      ....JP-4 JET FUEL
      ....JP-5 JET FUEL
      ....JP-6 JET FUEL
      ....JP-8 JET FUEL
      ...KEROSENE
      ..METAL FUELS
      ..SYNTHETIC FUELS
      ...GASOHOL (FUEL)
      ...SYNTHANE
  RT  CLEAN FUELS
      EXPLOSIVES
      FUEL PRODUCTION
      GELLED PROPELLANTS
      GELLED ROCKET PROPELLANTS
      HYBRID PROPELLANTS
      MONOPROPELLANTS
      PLASTIC PROPELLANTS
      PROPELLANTS
      PYROTECHNICS
      SOLID PROPELLANTS

CHEMICAL INDICATORS
  0601
  RT % INDICATORS
      METHYLENE BLUE
      PHLOROGLUCINOL

CHEMICAL KINETICS
  USE  REACTION KINETICS

CHEMICAL LASERS
  0602 1601
  GS  STIMULATED EMISSION DEVICES
      .LASERS
      .#CHEMICAL LASERS
      ...HCL LASERS
  RT  ARGON LASERS
      CARBON DIOXIDE LASERS
      CARBON LASERS
      CARBON MONOXIDE LASERS
      GAS LASERS
      HCN LASERS
      HF LASERS
      INFRARED LASERS
      LIQUID LASERS
      ORGANIC LASERS
      Q SWITCHED LASERS
      TEA LASERS
      TUBE LASERS

CHEMICAL MACHINING
  0602 1504
  UF  CHEMICAL MILLING
  GS  MACHINING
      #CHEMICAL MACHINING
      ..ELECTROCHEMICAL MACHINING
  RT  MILLING (MACHINING)

CHEMICAL MILLING
  USE  CHEMICAL MACHINING

CHEMICAL PROPERTIES
  0403 0603 3408
  GS  #CHEMICAL PROPERTIES
      .ACIDITY
      .SALINITY
      .THERMOCHEMICAL PROPERTIES
      ..HEAT OF COMBUSTION
      ..HEAT OF DISSOCIATION
      ..HEAT OF FORMATION
      ..HEAT OF SOLUTION
      ..LATENT HEAT
      ...HEAT OF FUSION
      ...HEAT OF VAPORIZATION
  RT  ADSORPTIVITY
    % HIGH RESISTANCE
      HYGROSCOPICITY
    % LOW RESISTANCE
      MOISTURE CONTENT
      PASSIVITY
    % PHYSICAL PROPERTIES
      PROPELLANT PROPERTIES
```

```
    % PROPERTIES
    % RESISTANCE
      THERMODYNAMIC PROPERTIES
      TOXICITY
      TOXICITY AND SAFETY HAZARD

CHEMICAL PROPULSION
  0602 0603 2702 2804 2809 3301 3304
  UF   CHEMONUCLEAR PROPULSION
  GS   PROPULSION
       #CHEMICAL PROPULSION
       ..HYBRID PROPULSION
  RT   JET PROPULSION
       MARINE PROPULSION
       SPACECRAFT PROPULSION
       UNDERWATER PROPULSION

CHEMICAL REACTION CONTROL
  0602 0603 3304
  RT   AGITATION
     % CONTROL
     % REACTION CONTROL
       TEMPERATURE CONTROL

CHEMICAL REACTIONS
  0403 0602 0603
  UF   FLAME INTERACTION
  GS  #CHEMICAL REACTIONS
       .ACYLATION
       ..ACETYLATION
       .ALKYLATION
       .AMMONOLYSIS
       .ASSOCIATION REACTIONS
       .ATOMIC RECOMBINATION
       ..OXYGEN RECOMBINATION
       .CARBONIZATION
       .CARBOXYLATION
       .COPOLYMERIZATION
       .CRACKING (CHEMICAL ENGINEERING)
       ..HYDROCRACKING
       ..PYROLYSIS
       .DECARBONATION
       .DECARBOXYLATION
       .DEFLUORINATION
       .DEHYDROGENATION
       .DEIONIZATION
       .DENITROGENATION
       .DEPOLYMERIZATION
       .DESULFURIZING
       .DIELS-ALDER REACTIONS
       .ENDOTHERMIC REACTIONS
       .EPOXIDATION
       .EXOTHERMIC REACTIONS
       .FERMENTATION
       .FRIEDEL-CRAFT REACTION
       .GLYCOLYSIS
       .GRIGNARD REACTIONS
       .HALOGENATION
       ..BROMINATION
       ..CHLORINATION
       ..FLUORINATION
       .HYDROBORATION
       .HYDROGENOLYSIS
       ..HYDROCRACKING
       .HYDROLYSIS
       .ION RECOMBINATION
       .METAL-WATER REACTIONS
       .METATHESIS
       .METHANATION
       .METHYLATION
       .MICHAEL REACTION
       .NITRATION
       .NITRIDING
       .NITROGENATION
       .NITROLYSIS
       .OXIDATION
       ..ELECTROCHEMICAL OXIDATION
       ..PHOTOOXIDATION
       ..RUSTING
       .OXIDATION-REDUCTION REACTIONS
       .OXYGENATION
       .PHOSPHORYLATION
       .PHOTOCHEMICAL REACTIONS
       ..PHOTOCHROMISM
       ..PHOTODECOMPOSITION
       ..PHOTOLYSIS
       ..PHOTOSYNTHESIS
       ..RADIOLYSIS
       .PYROHYDROLYSIS
       .REDUCTION (CHEMISTRY)
       ..DEOXIDIZING
       ..HYDROGENATION
       .SABATIER REACTION
       .SULFATION
       .SULFIDATION
       .THERMAL DECOMPOSITION
       ..PYROLYSIS
       .THERMAL DISSOCIATION
       .TITRATION
  RT   BIOSYNTHESIS
       CHELATION
       COMBUSTION CHEMISTRY
       CORROSION
       GAS-METAL INTERACTIONS
       HYDRATION
       INTERSTELLAR CHEMISTRY
     % OPERATIONS
       PARTICLE INTERACTIONS
       PLASMA JET SYNTHESIS
       POLYMERIZATION
       RADIOCHEMICAL SEPARATION
       REACTING FLOW
     % REACTION
       REACTION BONDING
       REACTION KINETICS
       REACTIVITY
       REAGENTS
       SODALITE
       SOLVATION
       STOICHIOMETRY
       SURFACE REACTIONS
     % SYNTHESIS
       SYNTHESIS (CHEMISTRY)
       SYNTHETIC FUELS
       THERMOCHEMISTRY

CHEMICAL REACTORS
  0602 1504 3304
  RT   AUTOCLAVES
       BEDS (PROCESS ENGINEERING)
       BURNERS
       COLUMNS (PROCESS ENGINEERING)
       CONTACTORS
       FLUIDIZED BED PROCESSORS
       FURNACES
       GAS GENERATORS
     % GAS REACTORS
       REACTOR DESIGN
       REACTOR MATERIALS
       REACTOR SAFETY
     % REACTORS
       SYNTHESIZERS
       TANKS (CONTAINERS)
       WATER COOLED REACTORS

CHEMICAL RELAXATION
  USE  MOLECULAR RELAXATION

CHEMICAL RELEASE MODULES
  0602
  GS   MODULES
       #CHEMICAL RELEASE MODULES
  RT   CHEMICAL CLOUDS
       CRRES (SATELLITE)
       DISPERSING

CHEMICAL SHIFT
  USE  CHEMICAL EQUILIBRIUM

CHEMICAL STERILIZATION
  0504 0602
  GS   CLEANING
       .STERILIZATION
       .#CHEMICAL STERILIZATION
  RT   ANTISEPTICS
```

```
        BACTERICIDES
        ETHYLENE OXIDE
        PURIFICATION
        SEWAGE TREATMENT
        SPACECRAFT STERILIZATION

CHEMICAL TESTS
  0601 0602 1504
  GS  #CHEMICAL TESTS
        .CHEMICAL ANALYSIS
        ..CHROMATOGRAPHY
        ...GAS CHROMATOGRAPHY
        ...LIQUID CHROMATOGRAPHY
        ...PAPER CHROMATOGRAPHY
        ...THIN LAYER CHROMATOGRAPHY
        ..ELECTROPHOTOMETRY
        ..GAS ANALYSIS
        ...OZONOMETRY
        ...VAN SLYKE METHOD
        ..IODIMETRY
        ..KARL FISCHER REAGENT
        ..MICROANALYSIS
        ..NEUTRON ACTIVATION ANALYSIS
        ..POTENTIOMETRIC ANALYSIS
        ..QUALITATIVE ANALYSIS
        ..QUANTITATIVE ANALYSIS
        ...KJELDAHL METHOD
        ...VAN SLYKE METHOD
        ..SPECTROSCOPIC ANALYSIS
        ..URINALYSIS
        ..VOLUMETRIC ANALYSIS
        .SALT SPRAY TESTS
  RT    CORROSION RESISTANCE
        GAS SPECTROSCOPY
        HIGH TEMPERATURE TESTS
        INSPECTION
        LOW TEMPERATURE TESTS
        NONDESTRUCTIVE TESTS
        QUALITY CONTROL
        SAMPLING
        STAINING
      % TESTS

CHEMICAL VAPOR DEPOSITION
  USE   VAPOR DEPOSITION

CHEMICAL VAPOR INFILTRATION
  3401 3403
  UF    CVI (FABRICATION)
  GS    INFILTRATION
        #CHEMICAL VAPOR INFILTRATION
  RT    CARBON FIBERS
        CERAMIC FIBERS
        CERAMIC MATRIX COMPOSITES
        COMPOSITE MATERIALS
        DENSIFICATION
        FIBER COMPOSITES

CHEMICAL WARFARE
  0403 0602 3401
  GS    WARFARE
        #CHEMICAL WARFARE
  RT    BIOCHEMISTRY
        PHYSIOLOGICAL FACTORS

CHEMICALLY REACTING FLOW
  USE   REACTING FLOW

% CHEMICALS
  0403 0603 1703 1804 1807 1808
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT %  CHEMICAL COMPOUNDS
        CHEMICAL ELEMENTS

CHEMILUMINESCENCE
  0605 2306 2402 3408
  GS    EMISSION
        .LIGHT EMISSION
        ..LUMINESCENCE
        ..#CHEMILUMINESCENCE
  RT    AIRGLOW
        PHOSPHORESCENCE

CHEMISORPTION
  0602 0603
  GS    SORPTION
        .ADSORPTION
        .#CHEMISORPTION
  RT    ADSORPTIVITY
        ATOMIC CLUSTERS
        GAS-METAL INTERACTIONS
        HYDROGEN EMBRITTLEMENT
        MASKING
        METAL CLUSTERS
        MOLECULAR CLUSTERS

% CHEMISTRY
  0603
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    AEROTHERMOCHEMISTRY
        AEROTHERMODYNAMICS
        ANALYTICAL CHEMISTRY
        ATMOSPHERIC CHEMISTRY
        BIOCHEMISTRY
        BIOGEOCHEMISTRY
        CHEMICAL ANALYSIS
        CHEMICAL ENGINEERING
        CHEMOTHERAPY
        COMBUSTION CHEMISTRY
        COMPUTATIONAL CHEMISTRY
        CRYOCHEMISTRY
        ELECTROCHEMISTRY
        ENVIRONMENTAL CHEMISTRY
        GEOCHEMISTRY
        HYDROXYL RADICALS
        INORGANIC CHEMISTRY
        INTERSTELLAR CHEMISTRY
        MARINE CHEMISTRY
        NUCLEAR CHEMISTRY
        ORGANIC CHEMISTRY
        PHOTOELECTROCHEMISTRY
        PHYSICAL CHEMISTRY
      % PHYSICAL SCIENCES
        PHYSICS AND CHEMISTRY EXPERIMENT
        IN SPACE
        PHYSIOCHEMISTRY
        PLASMA CHEMISTRY
        POLYMER CHEMISTRY
        PRECIPITATION (CHEMISTRY)
        PROPELLANT CHEMISTRY
        QUANTUM CHEMISTRY
        RADIATION CHEMISTRY
        RADIOCHEMISTRY
        REDUCTION (CHEMISTRY)
        SATURATION (CHEMISTRY)
        STEREOCHEMISTRY
        STOICHIOMETRY
        SYNTHESIS (CHEMISTRY)
        THERMOCHEMISTRY
        UNSATURATION (CHEMISTRY)
        WISWESSER NOTATIONS

CHEMONUCLEAR PROPULSION
  USE   CHEMICAL PROPULSION
        NUCLEAR PROPULSION

CHEMORECEPTORS
  0408 1409
  GS    ANATOMY
        .SENSE ORGANS
        .#CHEMORECEPTORS
        RECEPTORS (PHYSIOLOGY)
        #CHEMORECEPTORS
  RT    CAROTID SINUS BODY
        OLFACTORY PERCEPTION
        TASTE

CHEMOSPHERE
  1302 1308 3009
  GS    EARTH ATMOSPHERE
        #CHEMOSPHERE
```

```
  RT   BIOSPHERE
       EARTH IONOSPHERE
       HETEROSPHERE
       HOMOSPHERE
       LOWER ATMOSPHERE
       MESOSPHERE
       MIDDLE ATMOSPHERE
       OZONOSPHERE
       PLASMASPHERE
       STRATOSPHERE
       THERMOSPHERE
       TROPOSPHERE
       UPPER ATMOSPHERE

CHEMOTHERAPY
  0403 0405 0408
  UF   DRUG THERAPY
  GS   THERAPY
       #CHEMOTHERAPY
  RT   ANTISEPTICS
     % CHEMISTRY
       DRUGS

CHENA RIVER BASIN (AK)
  1305
  GS   LANDFORMS
       .STRUCTURAL BASINS
       ..RIVER BASINS
       ..#CHENA RIVER BASIN (AK)
  RT   ALASKA

CHESAPEAKE BAY (US)
  1305 1306 1310
  GS   BAYS (TOPOGRAPHIC FEATURES)
       #CHESAPEAKE BAY (US)
  RT   ESTUARIES
       MARYLAND
       RIVER BASINS
       SOUNDS (TOPOGRAPHIC FEATURES)
       VIRGINIA

CHEST
  0404
  GS   ANATOMY
       #CHEST
  RT   THORAX
       TORSO

CHEWING
  USE  MASTICATION

CHIASMS
  0404
  GS   CROSSINGS
       #CHIASMS

CHICKENS
  0402
  GS   ANIMALS
       .VERTEBRATES
       ..BIRDS
       ..#CHICKENS

CHILD DEVICE
  0408
  RT   LEARNING
       LEARNING THEORY
       TRAINING DEVICES

CHILD-LANGMUIR LAW
  1002 2304
  GS   LAWS
       #CHILD-LANGMUIR LAW
  RT   PERVEANCE
       SPACE CHARGE
       THERMIONIC DIODES

CHILDREN
  0404 0408 0410
  RT   FEMALES
       HUMAN BEINGS
       MALES
       PARENTS
       PROGENY

CHILE
  1305
  GS   NATIONS
       #CHILE
  RT   SOUTH AMERICA

CHILLING
  USE  COOLING

CHIMES
  USE  AUDITORY SIGNALS

CHIMNEYS
  1106 1504
  RT   BUILDINGS
       EXHAUST SYSTEMS
       FLUES
       FURNACES
       PLUMES
       STACKS
       VENTS
       WASTE ENERGY UTILIZATION

CHIMPANZEES
  0402
  GS   ANIMALS
       .VERTEBRATES
       ..MAMMALS
       ...PRIMATES
       ....APES
       ....#CHIMPANZEES
  RT   HUMAN BEINGS

CHIN
  0404
  GS   ANATOMY
       .FACE (ANATOMY)
       .#CHIN
  RT   BONES
       HEAD (ANATOMY)

CHINA
  1305
  UF   CHINA (COMMUNIST) MAINLAND
       CHINESE PEOPLES REPUBLIC
  GS   NATIONS
       #CHINA
  RT   ASIA
       CHINESE AIRCRAFT
       CHINESE SPACE PROGRAM
       CHINESE SPACECRAFT
       HONG KONG
       TAIWAN

CHINA (COMMUNIST) MAINLAND
  USE  CHINA

CHINESE AIRCRAFT
  0201
  RT % AIRCRAFT
       CHINA

CHINESE PEOPLES REPUBLIC
  USE  CHINA

CHINESE SPACE PROGRAM
  0207 3401 3009
  GS   PROGRAMS
       .SPACE PROGRAMS
       .#CHINESE SPACE PROGRAM
  RT   CHINA
     % RESEARCH PROJECTS
       SPACE MISSIONS
       TAIWAN

CHINESE SPACECRAFT
  3107
  RT   CHINA
     % SPACECRAFT
       TAIWAN
```

CHINONE
USE QUINONES

CHINOOK HELICOPTER
USE CH-47 HELICOPTER

CHIPPING
1503 1504
RT ABRASION
COMMINUTION
CUTTING
FLAKING
FRACTURING
FRAGMENTATION
PITTING
% SEPARATION
SPALLING
SPLITTING
WEAR

CHIPS
1503 1504 3404
RT CHIPS (ELECTRONICS)
FRAGMENTS
SCRAP

CHIPS (ELECTRONICS)
0710
RT APPLICATION SPECIFIC INTEGRATED CIRCUITS
CHIPS
INTEGRATED CIRCUITS
LARGE SCALE INTEGRATION
SYSTOLIC ARRAYS
VERY LARGE SCALE INTEGRATION
VHSIC (CIRCUITS)

CHIPS (MEMORY DEVICES)
0902
RT % DEVICES
INTEGRATED CIRCUITS
METAL-NITRIDE-OXIDE-SEMICONDUCTORS
SEMICONDUCTOR DEVICES

CHIRAL DYNAMICS
1902
RT % DYNAMICS
GROUP THEORY
LAGRANGE MULTIPLIERS
MATRICES (MATHEMATICS)

CHIRON
1901 3001
UF MINOR PLANET 2060
GS CELESTIAL BODIES
.ASTEROID BELTS
..ASTEROIDS
..#CHIRON
RT APOLLO ASTEROIDS
METEOROIDS
PLANETS
SOLAR SYSTEM
SPACE DEBRIS

CHIRONOMUS FLIES
0402
GS ANIMALS
.INVERTEBRATES
..ARTHROPODS
...INSECTS
...#CHIRONOMUS FLIES
RT DROSOPHILA
INFESTATION

CHIRP
0702 0705
GS ELECTROMAGNETIC INTERFERENCE
.RADIO FREQUENCY INTERFERENCE
.#CHIRP
...CHIRP SIGNALS

CHIRP SIGNALS
0702 0705
GS ELECTROMAGNETIC INTERFERENCE
.RADIO FREQUENCY INTERFERENCE
..CHIRP
..#CHIRP SIGNALS
RT ELECTROMAGNETIC NOISE
% SIGNALS

CHITIN
0402 0403 1805
SN (A POLYSACCHARIDE WHICH IS THE PRINCIPAL CONSTITUENT OF THE SHELLS OF CRABS AND LOBSTERS, THE SHARDS OF BEETLES, AND IS ALSO FOUND IN CERTAIN FUNGI)
GS ORGANIC COMPOUNDS
.CARBOHYDRATES
..POLYSACCHARIDES
..#CHITIN
RT GUMS (SUBSTANCES)
STARCHES

CHLORAL
0403 1808
GS ALDEHYDES
#CHLORAL

CHLORATES
0603 1804
GS HALOGEN COMPOUNDS
.CHLORINE COMPOUNDS
.#CHLORATES
RT % OXYGEN COMPOUNDS
PERCHLORATES

CHLORELLA
0407 0409
GS PLANTS (BOTANY)
.ALGAE
.#CHLORELLA
RT AEROSPACE MEDICINE
CARBON DIOXIDE
CULTURE TECHNIQUES
LIFE SUPPORT SYSTEMS
OXYGEN
PHOTOSYNTHESIS

CHLORIDES
1804 1808
UF PENTACHLORIDES
TRICHLORIDES
GS HALOGEN COMPOUNDS
.CHLORINE COMPOUNDS
.#CHLORIDES
...ALUMINUM CHLORIDES
...AMMONIUM CHLORIDES
...BERYLLIUM CHLORIDES
...BORON CHLORIDES
...CADMIUM CHLORIDES
...CALCIUM CHLORIDES
...CARBON TETRACHLORIDE
...COPPER CHLORIDES
...DICHLORIDES
...GERMANIUM CHLORIDES
...HYDROCHLORIDES
...IRON CHLORIDES
...LANTHANUM CHLORIDES
...LEAD CHLORIDES
...LITHIUM CHLORIDES
...MAGNESIUM CHLORIDES
...NITROSYL CHLORIDES
...NITROXYCHLORIDES
...NITRYL CHLORIDES
...PHOSGENE
...POTASSIUM CHLORIDES
...SILICON TETRACHLORIDE
...SILVER CHLORIDES
...SODIUM CHLORIDES
...SULFUR CHLORIDES
...TETRACHLORIDES
...TITANIUM CHLORIDES
...TUNGSTEN CHLORIDES

...ZINC CHLORIDES
.HALIDES
.#CHLORIDES
...ALUMINUM CHLORIDES
...AMMONIUM CHLORIDES
...BERYLLIUM CHLORIDES
...BORON CHLORIDES
...CADMIUM CHLORIDES
...CALCIUM CHLORIDES
...CARBON TETRACHLORIDE
...COPPER CHLORIDES
...DICHLORIDES
...GERMANIUM CHLORIDES
...HYDROCHLORIDES
...HYDROGEN CHLORIDES
....HYDROCHLORIC ACID
...IRON CHLORIDES
...LANTHANUM CHLORIDES
...LEAD CHLORIDES
...LITHIUM CHLORIDES
...MAGNESIUM CHLORIDES
...NITROSYL CHLORIDES
...NITROXYCHLORIDES
...NITRYL CHLORIDES
...PHOSGENE
...POTASSIUM CHLORIDES
...SILICON TETRACHLORIDE
...SILVER CHLORIDES
...SODIUM CHLORIDES
...SULFUR CHLORIDES
...TETRACHLORIDES
...TITANIUM CHLORIDES
...TUNGSTEN CHLORIDES
...ZINC CHLORIDES
RT METHYL CHLORIDE
POLYVINYL CHLORIDE
SALT BEDS

CHLORINATION
0403 0505 0602
GS CHEMICAL REACTIONS
.HALOGENATION
.#CHLORINATION
RT BLEACHING
HYDROMETALLURGY
PYROMETALLURGY
WATER TREATMENT

CHLORINE
0603 1807
GS CHEMICAL ELEMENTS
.HALOGENS
.#CHLORINE

CHLORINE COMPOUNDS
0603 1804 1808
GS HALOGEN COMPOUNDS
#CHLORINE COMPOUNDS
..CHLORATES
..CHLORIDES
...ALUMINUM CHLORIDES
...AMMONIUM CHLORIDES
...BERYLLIUM CHLORIDES
...BORON CHLORIDES
...CADMIUM CHLORIDES
...CALCIUM CHLORIDES
...CARBON TETRACHLORIDE
...COPPER CHLORIDES
...DICHLORIDES
...GERMANIUM CHLORIDES
...HYDROCHLORIDES
...IRON CHLORIDES
...LANTHANUM CHLORIDES
...LEAD CHLORIDES
...LITHIUM CHLORIDES
...MAGNESIUM CHLORIDES
...NITROSYL CHLORIDES
...NITROXYCHLORIDES
...NITRYL CHLORIDES
...PHOSGENE
...POTASSIUM CHLORIDES
...SILICON TETRACHLORIDE
...SILVER CHLORIDES
...SODIUM CHLORIDES
...SULFUR CHLORIDES
...TETRACHLORIDES
...TITANIUM CHLORIDES
...TUNGSTEN CHLORIDES
...ZINC CHLORIDES
..CHLORINE FLUORIDES
..CHLORINE OXIDES
..CHLOROCARBONS
..CHLOROSILANES
..DDT
..MECLIZINE
..PERCHLORATES
...ALUMINUM PERCHLORATES
...AMMONIUM PERCHLORATES
...HYDRAZINE PERCHLORATES
...HYDROGEN PERCHLORATE
...HYDROXYLAMMONIUM PERCHLORATES
...LITHIUM PERCHLORATES
...MAGNESIUM PERCHLORATES
...NITRONIUM PERCHLORATE
...POTASSIUM PERCHLORATES
RT % CHEMICAL COMPOUNDS
HALOCARBONS

CHLORINE FLUORIDES
0603 1804
GS HALOGEN COMPOUNDS
.CHLORINE COMPOUNDS
.#CHLORINE FLUORIDES
.FLUORINE COMPOUNDS
..FLUORIDES
..#CHLORINE FLUORIDES
.HALIDES
..FLUORIDES
..#CHLORINE FLUORIDES
RT LIQUID ROCKET PROPELLANTS

CHLORINE OXIDES
0603 1804
GS CHALCOGENIDES
.OXIDES
.#CHLORINE OXIDES
HALOGEN COMPOUNDS
.CHLORINE COMPOUNDS
.#CHLORINE OXIDES

CHLOROAROMATICS
0403 1808
GS #CHLOROAROMATICS
.CHLOROBENZENES
RT % AROMATIC COMPOUNDS

CHLOROBENZENES
0403 1808
GS CHLOROAROMATICS
#CHLOROBENZENES
ORGANIC COMPOUNDS
.CYCLIC COMPOUNDS
..CYCLIC HYDROCARBONS
..#CHLOROBENZENES
.HYDROCARBONS
..CYCLIC HYDROCARBONS
..#CHLOROBENZENES
RT BENZENE

CHLOROCARBONS
0603
GS CARBON COMPOUNDS
.HALOCARBONS
.#CHLOROCARBONS
HALOGEN COMPOUNDS
.CHLORINE COMPOUNDS
.#CHLOROCARBONS
.HALOCARBONS
.#CHLOROCARBONS
RT CHLOROFLUOROCARBONS

CHLOROETHYLENE
0403 1808
GS ETHYLENE COMPOUNDS
#CHLOROETHYLENE

```
CHLOROFLUOROCARBONS
  0403 0603 1808
  UF   CFCS
  RT   AIR POLLUTION
       CHLOROCARBONS
       CHLOROFLUOROMETHANE
       CONTAMINANTS
       FLUOROCARBONS
       GREENHOUSE EFFECT
       OZONE DEPLETION
       OZONOSPHERE

CHLOROFLUOROMETHANE
  1808
  GS   HALOGEN COMPOUNDS
       .FLUORINE COMPOUNDS
       ..FLUORO COMPOUNDS
       ...FLUORINE ORGANIC COMPOUNDS
       ....FLUOROHYDROCARBONS
       ....#CHLOROFLUOROMETHANE
       ORGANIC COMPOUNDS
       .FLUORINE ORGANIC COMPOUNDS
       ..FLUOROHYDROCARBONS
       ..#CHLOROFLUOROMETHANE
       .HYDROCARBONS
       .#CHLOROFLUOROMETHANE
  RT   AIR POLLUTION
       CHLOROFLUOROCARBONS
       CONTAMINANTS
       METHANE
       OZONE DEPLETION

CHLOROFORM
  0403 1808
  GS   DRUGS
       .ANESTHETICS
       .#CHLOROFORM
  RT   ANESTHESIOLOGY

CHLOROFORMATE
  0403 1808
  GS   ESTERS
       #CHLOROFORMATE
       FORMATES
       #CHLOROFORMATE

CHLOROPHYLLS
  0403 0409 1808
  GS   MAGNESIUM COMPOUNDS
       #CHLOROPHYLLS
       ORGANOMETALLIC COMPOUNDS
       #CHLOROPHYLLS
       PIGMENTS
       #CHLOROPHYLLS
       PORPHYRINS
       #CHLOROPHYLLS
  RT   ALGAE
       BROWN WAVE EFFECT
       CELLS (BIOLOGY)
       CHLOROPLASTS
       COASTAL ZONE COLOR SCANNER
       GREEN WAVE EFFECT
       OCEAN COLOR SCANNER
       PHOTOSYNTHESIS
       PLANTS (BOTANY)
       PORPHINES
       SKIN (ANATOMY)

CHLOROPLASTS
  0406 0409
  GS   ORGANELLES
       #CHLOROPLASTS
  RT   CELLS (BIOLOGY)
       CHLOROPHYLLS
       CYTOPLASM
       PHOTOSYNTHESIS

CHLOROPRENE RESINS
  1808 1810
  UF   NEOPRENES
  GS   RUBBER
       .SYNTHETIC RUBBERS
       ..ELASTOMERS
       ..#CHLOROPRENE RESINS

CHLOROSILANES
  0603 1804
  GS   HALOGEN COMPOUNDS
       .CHLORINE COMPOUNDS
       .#CHLOROSILANES
       HYDROGEN COMPOUNDS
       .HYDRIDES
       ..SILANES
       ..#CHLOROSILANES
       SILICON COMPOUNDS
       .SILANES
       .#CHLOROSILANES

CHLORPROMAZINE
  0403 0405 1808
  GS   HYDRAZINES
       #CHLORPROMAZINE

CHOCTAW HELICOPTER
  USE  CH-34 HELICOPTER

CHOICE
  USE  SELECTION

CHOKED FLOW
  1201 1202 1203 1204
  GS   FLUID FLOW
       #CHOKED FLOW
  RT   CHANNEL FLOW
       DUCTED FLOW
       FLOW VELOCITY
       INLET FLOW
       NOZZLE FLOW
       ORIFICE FLOW
       PIPE FLOW

CHOKES
  1202 1504
  SN   (EXCLUDES FUEL SYSTEM AND
       ELECTRONIC DEVICES)
  RT   CHOKES (RESTRICTIONS)
     % DIFFUSERS
       ELECTRIC COILS
       MIXING
       NOZZLE INSERTS
     % NOZZLES

CHOKES (FUEL SYSTEMS)
  2801 2806
  RT   CARBURETORS
       FUEL SYSTEMS
       ORIFICES
     % SYSTEMS

CHOKES (RESTRICTIONS)
  1201 1202
  RT   CHOKES (FUEL SYSTEMS)
       CLOSURES
       CONSTRICTIONS
       IMPEDANCE
     % NOZZLES
       ORIFICES
       THROATS
       VALVES

CHOLERA
  0405
  GS   DISEASES
       .INFECTIOUS DISEASES
       ..BACTERIAL DISEASES
       ..#CHOLERA
  RT   HUMAN PATHOLOGY
       KIDNEY DISEASES
       PATHOGENESIS
       PATHOLOGICAL EFFECTS
       PHYSIOLOGICAL EFFECTS

CHOLESKY FACTORIZATION
  1902
```

```
  RT    CONJUGATES
        FINITE ELEMENT METHOD
        ITERATIVE SOLUTION
        REAL VARIABLES

CHOLESTEROL
  0403 0405 1808
  GS    ORGANIC COMPOUNDS
        .LIPIDS
        ..STEROIDS
        ..#CHOLESTEROL
  RT    ARTERIOSCLEROSIS
        LIQUID CRYSTALS

CHOLINE
  0403 1808
  GS    ORGANIC COMPOUNDS
        #CHOLINE
  RT    VITAMINS

CHOLINERGIC BLOCKING AGENTS
  USE   ANTICHOLINERGICS

CHOLINERGICS
  0403 1808
  GS    DRUGS
        #CHOLINERGICS
        ..ANTICHOLINERGICS
  RT    CYCLIC AMP

CHOLINESTERASE
  0403 1808
  GS    BIOPOLYMERS
        .PROTEINS
        ..ENZYMES
        ..#CHOLINESTERASE
        ORGANIC COMPOUNDS
        .PROTEINS
        ..ENZYMES
        ..#CHOLINESTERASE
  RT    NEUROMUSCULAR TRANSMISSION

CHONDRITES
  1806 3005
  GS    CELESTIAL BODIES
        .METEORITES
        ..STONY METEORITES
        ..#CHONDRITES
        ....BRUDERHEIM METEORITE
        ....CARBONACEOUS CHONDRITES
        .....ALAIS METEORITE
        .....ALLENDE METEORITE
        .....COLD BOKKEVELD METEORITE
        .....IVUNA METEORITE
        .....MURCHISON METEORITE
        .....MURRAY METEORITE
        .....ORGUEIL METEORITE
        .....TONK METEORITE
        ....HARLETON METEORITE
        ....HVITTIS CHONDRITE
        ....OKHANSK METEORITE
        ....PANTAR CHONDRITES
        ....PRIBRAM METEORITE
  RT    ACHONDRITES
        CHONDRULE
        TEKTITES

CHONDRULE
  1806 3005
  RT    CHONDRITES
        ENSTATITE
        METEORITES
        METEORITIC MICROSTRUCTURES
        MINERALOGY

CHOPPERS (ELECTRIC)
  USE   ELECTRIC CHOPPERS

CHORDS (GEOMETRY)
  0201 1902 2301
  UF    AERODYNAMIC CHORDS
  GS    GEOMETRY
        .EUCLIDEAN GEOMETRY
        ..LINES (GEOMETRY)
        ..#CHORDS (GEOMETRY)
  RT    CURVES (GEOMETRY)
        GEODESIC LINES
        TANGENTS

CHOROID MEMBRANES
  0404
  GS    ANATOMY
        .SENSE ORGANS
        ..EYE (ANATOMY)
        ..#CHOROID MEMBRANES
        MEMBRANES
        #CHOROID MEMBRANES
  RT    VISION

CHORUS (DAWN PHENOMENON)
  USE   DAWN CHORUS

CHORUS PHENOMENON
  USE   DAWN CHORUS

CHROMATES
  0603 1804
  UF    DICHROMATES
  GS    CHROMIUM COMPOUNDS
        #CHROMATES
        ..POTASSIUM CHROMATES
  RT %  OXYGEN COMPOUNDS

CHROMATOGRAPHY
  0601
  GS    CHEMICAL TESTS
        .CHEMICAL ANALYSIS
        .#CHROMATOGRAPHY
        ...GAS CHROMATOGRAPHY
        ...LIQUID CHROMATOGRAPHY
        ...PAPER CHROMATOGRAPHY
        ...THIN LAYER CHROMATOGRAPHY
  RT    ADSORPTION
        COLORIMETRY
        QUANTITATIVE ANALYSIS
        SORPTION

CHROME
  USE   CHROMIUM

CHROMIC ACID
  0603 1804
  GS    ACIDS
        #CHROMIC ACID
        CHROMIUM COMPOUNDS
        #CHROMIC ACID

CHROMITES
  1806
  GS    MINERALS
        #CHROMITES
  RT    CHROMIUM
        CHROMIUM OXIDES
        PERIDOTITE
        SERPENTINE

CHROMIUM
  0603 1703
  UF    CHROME
  GS    CHEMICAL ELEMENTS
        #CHROMIUM
        ..CHROMIUM ISOTOPES
        METALS
        .REFRACTORY METALS
        .#CHROMIUM
        ...CHROMIUM ISOTOPES
        .TRANSITION METALS
        .#CHROMIUM
        ...CHROMIUM ISOTOPES
        REFRACTORY MATERIALS
        .REFRACTORY METALS
        .#CHROMIUM
        ...CHROMIUM ISOTOPES
  RT    CHROMITES
        STRATEGIC MATERIALS
```

```
CHROMIUM ALLOYS
  1701 1704
  GS    ALLOYS
        #CHROMIUM ALLOYS
        ..ASTROLOY (TRADEMARK)
        ..CHROMIUM STEELS
        ..RENE 41
        ..RENE 63
        ..RENE 77
        ..RENE 95
  RT    HEAT RESISTANT ALLOYS
        INCONEL (TRADEMARK)
        STAINLESS STEELS
        STELLITE (TRADEMARK)
        WASPALOY

CHROMIUM BORIDES
  0603 1804
  GS    BORON COMPOUNDS
        .BORIDES
        .#CHROMIUM BORIDES
        CHROMIUM COMPOUNDS
        #CHROMIUM BORIDES

CHROMIUM BROMIDES
  0603 1804
  GS    CHROMIUM COMPOUNDS
        #CHROMIUM BROMIDES
        HALOGEN COMPOUNDS
        .BROMINE COMPOUNDS
        ..BROMIDES
        ..#CHROMIUM BROMIDES
        .HALIDES
        ..BROMIDES
        ..#CHROMIUM BROMIDES
        ..METAL HALIDES
        ..#CHROMIUM BROMIDES

CHROMIUM CARBIDES
  0603 1804
  GS    CARBON COMPOUNDS
        .CARBIDES
        .#CHROMIUM CARBIDES
        CHROMIUM COMPOUNDS
        #CHROMIUM CARBIDES

CHROMIUM COMPOUNDS
  0603 1804
  GS   #CHROMIUM COMPOUNDS
        .CHROMATES
        ..POTASSIUM CHROMATES
        .CHROMIC ACID
        .CHROMIUM BORIDES
        .CHROMIUM BROMIDES
        .CHROMIUM CARBIDES
        .CHROMIUM FLUORIDES
        .CHROMIUM OXIDES
        .SODIUM CHROMITES
  RT % CHEMICAL COMPOUNDS
     % GROUP 6B COMPOUNDS
     % METAL COMPOUNDS

CHROMIUM FLUORIDES
  0603 1804
  GS    CHROMIUM COMPOUNDS
        #CHROMIUM FLUORIDES
        HALOGEN COMPOUNDS
        .FLUORINE COMPOUNDS
        ..FLUORIDES
        ...METAL FLUORIDES
        ...#CHROMIUM FLUORIDES

CHROMIUM ISOTOPES
  0603 1703 2406
  GS    CHEMICAL ELEMENTS
        .CHROMIUM
        .#CHROMIUM ISOTOPES
        .NUCLIDES
        ..ISOTOPES
        ..#CHROMIUM ISOTOPES
        METALS
        .REFRACTORY METALS
        ..CHROMIUM
        ..#CHROMIUM ISOTOPES
        .TRANSITION METALS
        ..CHROMIUM
        ..#CHROMIUM ISOTOPES
        REFRACTORY MATERIALS
        .REFRACTORY METALS
        ..CHROMIUM
        ..#CHROMIUM ISOTOPES

CHROMIUM OXIDES
  0603 1804
  GS    CHALCOGENIDES
        .OXIDES
        ..METAL OXIDES
        ..#CHROMIUM OXIDES
        CHROMIUM COMPOUNDS
        #CHROMIUM OXIDES
  RT    CHROMITES

CHROMIUM STEELS
  1701 1704
  GS    ALLOYS
        .CHROMIUM ALLOYS
        .#CHROMIUM STEELS
        .IRON ALLOYS
        ..STEELS
        ..#CHROMIUM STEELS
  RT    FERRITIC STAINLESS STEELS

CHROMOSOMES
  0403 0404 0406
  RT    CELLS (BIOLOGY)
        CONGENITAL ANOMALIES
        CYTOLOGY
        GENE EXPRESSION
        GENES
        GENETIC CODE
        GENETICS
        MITOSIS
        MUTATIONS
     % NUCLEI
        REPRODUCTIVE SYSTEMS
        TETRAD THEORY

CHROMOSPHERE
  2902 3001
  GS    ENVIRONMENTS
        .EXTRATERRESTRIAL ENVIRONMENTS
        ..STELLAR ATMOSPHERES
        ..#CHROMOSPHERE
  RT    CORONAL LOOPS
        FACULAE
        PHOTOSPHERE
        SOLAR ATMOSPHERE
        SOLAR CORONA
        SOLAR PROMINENCES
        SOLAR TRANSITION REGION
        SPICULES
        STELLAR STRUCTURE
        STELLAR WINDS

CHRONAXY
  0404 1406
  GS    TIME
        .REACTION TIME
        .#CHRONAXY
  RT    RESPONSES
        SENSORY STIMULATION
        THRESHOLDS (PERCEPTION)

CHRONIC CONDITIONS
  0404 0408 3402
  GS    CONDITIONS
        #CHRONIC CONDITIONS
  RT    BLOOD VOLUME
        DISEASES
        DISORDERS
        HEALTH

CHRONOBIOLOGY
  USE   RHYTHM (BIOLOGY)
```

```
CHRONOGRAPHS
  USE   CHRONOMETERS

CHRONOLOGY
  3405
  UF    AGE DETERMINATION
        DATING
  GS   #CHRONOLOGY
        .GEOCHRONOLOGY
  RT    TIME

CHRONOMETERS
  1406 2104 3501
  UF    CHRONOGRAPHS
  GS    MEASURING INSTRUMENTS
        .TIME MEASURING INSTRUMENTS
        ..CLOCKS
        ..#CHRONOMETERS
  RT    ATOMIC CLOCKS
        CLOCK PARADOX
        TIME MEASUREMENT
        TIMING DEVICES

CHRONOPHOTOGRAPHY
  1407 3501
  UF    TIME LAPSE PHOTOGRAPHY
  GS    IMAGERY
        #CHRONOPHOTOGRAPHY
        PHOTOGRAPHY
        #CHRONOPHOTOGRAPHY
  RT    BLACK AND WHITE PHOTOGRAPHY
        MOTION PICTURES

CHRONOTRONS
  USE   PULSE RATE
        TIME LAG

CHUGGING
  USE   COMBUSTION STABILITY

CHUKCHI SEA
  1305
  GS    SEAS
        #CHUKCHI SEA
  RT    ARCTIC REGIONS

CHUTES
  1502
  UF    SLIDES
  RT    CONVEYORS
        MATERIALS HANDLING

CID
  USE   CHARGE INJECTION DEVICES

CINDER CONES
  USE   CONES (VOLCANOES)

CINEFLUOROGRAPHY
  USE   MOTION PICTURES
        RADIOGRAPHY

CINEMATOGRAPHY
  0702 1407 1412 3501
  GS    IMAGERY
        #CINEMATOGRAPHY
        PHOTOGRAPHY
        #CINEMATOGRAPHY
  RT    ANIMATION
        BLACK AND WHITE PHOTOGRAPHY
        CAMERAS
        COLOR PHOTOGRAPHY
        INFRARED PHOTOGRAPHY
        MOTION PICTURES
        STEREOPHOTOGRAPHY
        STREAK CAMERAS
        VIDEO TAPES

CINERADIOGRAPHY
  USE   MOTION PICTURES
        RADIOGRAPHY

CINESPECTROGRAPHS
  1411
  RT    OPTICAL MEASURING INSTRUMENTS
        SPECTROSCOPY

CINETHEODOLITES
  0709 1412
  GS    MEASURING INSTRUMENTS
        .OPTICAL MEASURING INSTRUMENTS
        ..TRANSITS
        ...THEODOLITES
        ...#CINETHEODOLITES
        OPTICAL EQUIPMENT
        .OPTICAL MEASURING INSTRUMENTS
        ..TRANSITS
        ...THEODOLITES
        ...#CINETHEODOLITES
  RT    PHOTOGRAPHIC TRACKING
        SATELLITE TRACKING

CIRCADIAN RHYTHMS
  0401 0404 0408
  UF    DIURNAL RHYTHMS
  GS    RHYTHM (BIOLOGY)
        #CIRCADIAN RHYTHMS
  RT    ACTIVITY CYCLES (BIOLOGY)

CIRCLES (GEOMETRY)
  1902
  GS    GEOMETRY
        .EUCLIDEAN GEOMETRY
        .#CIRCLES (GEOMETRY)
        ...GREAT CIRCLES
  RT    CIRCUMFERENCES
        CURVES (GEOMETRY)
        ELLIPSES
        RADII
      % RINGS
      % SECTORS
        SEGMENTS
        SPHERES

CIRCUIT BOARDS
  0902 0905
  RT    ELECTRONIC PACKAGING
        PRINTED CIRCUITS

CIRCUIT BREAKERS
  0902 0904
  UF    BREAKERS (ELECTRIC)
  RT    DISCONNECT DEVICES
        DROPOUTS
        ELECTRIC RELAYS
      % FUSES
        SWITCHES
        SWITCHING CIRCUITS

CIRCUIT DIAGRAMS
  0904
  UF    SCHEMATICS
  GS    DIAGRAMS
        #CIRCUIT DIAGRAMS
  RT    ENGINEERING DRAWINGS
        LAYOUTS
        PHOTOMASKS

CIRCUIT PROTECTION
  0902 0904 0905
  GS    PROTECTION
        #CIRCUIT PROTECTION
  RT    CAPACITORS
        CIRCUITS
        CURRENT REGULATORS
        ELECTRIC FUSES
        ELECTRIC POWER TRANSMISSION
        ELECTRIC REACTORS
        ELECTRICAL FAULTS
        ELECTRICAL GROUNDING
        ELECTRICAL INSULATION
        EXPULSION
      % FUSES
        OVERVOLTAGE
```

PHASE CONTROL
PHASE ERROR
SNEAK CIRCUIT ANALYSIS
SUPPRESSORS
SURGES
TRANSFORMERS
TRANSMISSION CIRCUITS
TRANSMISSION LINES
VOLTAGE REGULATORS

CIRCUIT RELIABILITY
0902 1505
GS RELIABILITY
#CIRCUIT RELIABILITY
RT AIRCRAFT RELIABILITY
COMPONENT RELIABILITY
DRIFT (INSTRUMENTATION)
QUALITY CONTROL
SNEAK CIRCUIT ANALYSIS
SPACECRAFT RELIABILITY

CIRCUITS
0702 0902 0904 0905 1001 1902
UF ELECTRIC CIRCUITS
EXPLODING CONDUCTOR CIRCUITS
SHUNTS
SUBCIRCUITS
GS #CIRCUITS
.ADDING CIRCUITS
.ANALOG CIRCUITS
.AUTODYNES
.BISTABLE CIRCUITS
..FLIP-FLOPS
.CANCELLATION CIRCUITS
.CLAMPING CIRCUITS
.COINCIDENCE CIRCUITS
.COMPARATOR CIRCUITS
.CONJUGATED CIRCUITS
.COUNTING CIRCUITS
..SCALERS
.COUPLING CIRCUITS
.DELAY CIRCUITS
..PHANTASTRONS
.DIGITAL ELECTRONICS
..LOGIC CIRCUITS
...THRESHOLD GATES
.DIGITAL INTEGRATORS
.DIPLEXERS
.DISCRIMINATORS
..FRAUNHOFER LINE DISCRIMINATORS
..FREQUENCY DISCRIMINATORS
.ECHO SUPPRESSORS
.ELECTRIC BRIDGES
..WIRE BRIDGE CIRCUITS
...WHEATSTONE BRIDGES
.EQUIVALENT CIRCUITS
.FEEDBACK CIRCUITS
.FIRE CONTROL CIRCUITS
.FLUIDIC CIRCUITS
.GATES (CIRCUITS)
..THRESHOLD GATES
.HYBRID CIRCUITS
.INTEGRATED CIRCUITS
..APPLICATION SPECIFIC INTEGRATED CIRCUITS
..DTL INTEGRATED CIRCUITS
..ENCAPSULATED MICROCIRCUITS
..LARGE SCALE INTEGRATION
..LINEAR INTEGRATED CIRCUITS
..MEDIUM SCALE INTEGRATION
..TTL INTEGRATED CIRCUITS
..VERY LARGE SCALE INTEGRATION
..VHSIC (CIRCUITS)
.ITERATIVE NETWORKS
.LC CIRCUITS
.LIMITER CIRCUITS
..CLIPPER CIRCUITS
.LINEAR CIRCUITS
.MAGNETIC CIRCUITS
.MATRICES (CIRCUITS)
.MICROWAVE CIRCUITS
.MIXING CIRCUITS
.MULTIVIBRATORS
..FLIP-FLOPS
..MONOSTABLE MULTIVIBRATORS
.NEGATIVE RESISTANCE CIRCUITS
.OHMS LAW
.PHASE DETECTORS
..SYNCHROSCOPES
.PHASE SHIFT CIRCUITS
..CIRCULATORS (PHASE SHIFT CIRCUITS)
.PNEUMATIC CIRCUITS
.POWER SUPPLY CIRCUITS
.PRINTED CIRCUITS
.RC CIRCUITS
.RL CIRCUITS
..RLC CIRCUITS
.SQUELCH CIRCUITS
.SWEEP CIRCUITS
.SWITCHING CIRCUITS
..FLUID SWITCHING ELEMENTS
.TRANSISTOR CIRCUITS
.TRANSMISSION CIRCUITS
.TRIGGER CIRCUITS
.VARACTOR DIODE CIRCUITS
RT AMPLIFIERS
BREADBOARD MODELS
CAPACITORS
% CASCADES
CIRCUIT PROTECTION
DIFFERENTIATORS
DUALITY PRINCIPLE
DUPLEXERS
ELECTRIC CONNECTORS
ELECTRIC CURRENT
% ELECTRIC EQUIPMENT
ELECTRIC FILTERS
ELECTRIC MOTORS
ELECTRIC POWER TRANSMISSION
ELECTRIC WIRE
ELECTRICAL GROUNDING
ELECTROMECHANICS
ELECTRON TUBES
FLAT CONDUCTORS
INDUCTORS
INTEGRATORS
KIRCHHOFF LAW OF NETWORKS
LOOPS
MICROELECTRONICS
MICROMINIATURIZATION
MICROSTRIP DEVICES
MINIATURE ELECTRONIC EQUIPMENT
MINIATURIZATION
MODULES
NETWORK ANALYSIS
% NETWORKS
OSCILLATORS
SELECTORS
SHORT CIRCUITS
SIGNAL GENERATORS
SOLID STATE DEVICES
SOLIONS
% STRIP
TRANSMISSION LINES
TREES (MATHEMATICS)
UNDERGROUND TRANSMISSION LINES
VOLTAGE CONTROLLED OSCILLATORS
WIRING

CIRCULAR CONES
0101 1202 1902 3202 3203
GS CONES
#CIRCULAR CONES
RT HALF CONES
NOSE CONES

CIRCULAR CYLINDERS
0101 1202 1902 3202 3203
RT % CYLINDERS
CYLINDRICAL BODIES
CYLINDRICAL SHELLS
ELLIPTICAL CYLINDERS

CIRCULAR ORBITS

1904 3006 3009
GS ORBITS
#CIRCULAR ORBITS
..STATIONARY ORBITS
RT EARTH ORBITS
ECCENTRIC ORBITS
ELLIPTICAL ORBITS
EQUATORIAL ORBITS
GEOSYNCHRONOUS ORBITS
LUNAR ORBITS
ORBITAL MECHANICS
PLANETARY ORBITS
POLAR ORBITS
QUADRATURES
SATELLITE ORBITS
SOLAR ORBITS
SPACECRAFT ORBITS
TWENTY-FOUR HOUR ORBITS

CIRCULAR PLATES
1504 3202
GS STRUCTURAL MEMBERS
.PLATES (STRUCTURAL MEMBERS)
.#CIRCULAR PLATES
RT ANNULAR PLATES
DISKS (SHAPES)
END PLATES
FLAT PLATES

CIRCULAR POLARIZATION
0705 0710 2304 2306 2402
GS POLARIZATION (WAVES)
#CIRCULAR POLARIZATION
RT ELLIPTICAL POLARIZATION
OPTICAL POLARIZATION

CIRCULAR SHELLS
3202 3203
GS SHELLS (STRUCTURAL FORMS)
#CIRCULAR SHELLS
RT CYLINDRICAL SHELLS
HEMISPHERICAL SHELLS
METAL SHELLS
SPHERICAL SHELLS

CIRCULAR TUBES
1504 3202
RT CYLINDRICAL SHELLS
DUCT GEOMETRY
PIPES (TUBES)
% TUBES

CIRCULAR WAVEGUIDES
0701
GS WAVEGUIDES
#CIRCULAR WAVEGUIDES
RT MICROWAVE TRANSMISSION
PROPAGATION MODES

CIRCULATION
0404 0602 1202 1902 2304 2804
UF RECIRCULATION
GS #CIRCULATION
.ATMOSPHERIC CIRCULATION
..ZONAL FLOW (METEOROLOGY)
.BLOOD CIRCULATION
..BRAIN CIRCULATION
..CORONARY CIRCULATION
..INTERCRANIAL CIRCULATION
..OCULAR CIRCULATION
..PERIPHERAL CIRCULATION
..PULMONARY CIRCULATION
.WATER CIRCULATION
..WATER CURRENTS
...OCEAN CURRENTS
....COASTAL CURRENTS
....EL NINO
....GULF STREAM
....LOMONOSOV CURRENT
RT BLOWING
CIRCULATION DISTRIBUTION
CONGESTION
% CURRENTS
DELIVERY
DIFFUSION
DISPERSING
% FLOW
FLUID FLOW
PURGING
ROTATION

CIRCULATION CONTROL AIRFOILS
0102
GS AIRFOILS
#CIRCULATION CONTROL AIRFOILS
..CIRCULATION CONTROL ROTORS
RT BLOWING
BOUNDARY LAYER CONTROL
COANDA EFFECT
% CONTROL
LIFT AUGMENTATION
SHORT TAKEOFF AIRCRAFT
UNDER SURFACE BLOWING
UPPER SURFACE BLOWING

CIRCULATION CONTROL ROTORS
0104
GS AIRFOILS
.CIRCULATION CONTROL AIRFOILS
.#CIRCULATION CONTROL ROTORS
.WINGS
..ROTARY WINGS
..#CIRCULATION CONTROL ROTORS
ROTATING BODIES
.ROTORS
..ROTARY WINGS
..#CIRCULATION CONTROL ROTORS
RT % CONTROL
VERTICAL TAKEOFF AIRCRAFT
X WING ROTORS

CIRCULATION DISTRIBUTION
2311
RT ATMOSPHERIC CIRCULATION
CIRCULATION
% DISTRIBUTION
VELOCITY DISTRIBUTION

CIRCULATORS (PHASE SHIFT CIRCUITS)
0905 1202 1504 3303
GS CIRCUITS
.PHASE SHIFT CIRCUITS
.#CIRCULATORS (PHASE SHIFT CIRCUITS)
RT CAVITY RESONATORS
DELAY CIRCUITS
DUPLEXERS
FARADAY EFFECT
HALL GENERATORS
LIMITER CIRCUITS

CIRCULATORY SYSTEM
0404 0405 0408
GS ANATOMY
#CIRCULATORY SYSTEM
..CARDIOVASCULAR SYSTEM
...BLOOD VESSELS
....ARTERIES
.....AORTA
....CAPILLARIES (ANATOMY)
.....GLOMERULUS
....VEINS
...HEART
....CARDIAC AURICLES
....CARDIAC VENTRICLES
....EPICARDIUM
....MYOCARDIUM
RT ARTERIOSCLEROSIS
ARTIFICIAL CARDIAC PACEMAKER
BLOOD CIRCULATION
BLOOD PUMPS
CAROTID SINUS BODY
CAROTID SINUS REFLEX
EXERCISE PHYSIOLOGY
HYPERVOLEMIA

```
        ORGANS

CIRCUMFERENCES
  1902 3406
  GS    GEOMETRY
        .EUCLIDEAN GEOMETRY
        ..ANALYTIC GEOMETRY
        ..#CIRCUMFERENCES
  RT    BOUNDARIES
        CIRCLES (GEOMETRY)
        DIAMETERS
        RADII

CIRCUMLUNAR COMMUNICATION
  0707 1105
  GS    TELECOMMUNICATION
        .SPACE COMMUNICATION
        ..LUNAR COMMUNICATION
        ..#CIRCUMLUNAR COMMUNICATION
  RT    INTERPLANETARY COMMUNICATION
        RADAR
        RADIO COMMUNICATION
        SATELLITE COMMUNICATION
        SPACECRAFT COMMUNICATION
        UNIFIED S BAND

CIRCUMLUNAR TRAJECTORIES
  1904 3004 3006
  GS    TRAJECTORIES
        .ROUND TRIP TRAJECTORIES
        .#CIRCUMLUNAR TRAJECTORIES
        .SPACECRAFT TRAJECTORIES
        ..LUNAR TRAJECTORIES
        ..#CIRCUMLUNAR TRAJECTORIES
  RT    EARTH ORBITS
        EARTH-MOON TRAJECTORIES
        LUNAR FLIGHT
        LUNAR ORBITS
        MOON-EARTH TRAJECTORIES
        REENTRY TRAJECTORIES
        RENDEZVOUS TRAJECTORIES
        TRANSFER ORBITS

CIRCUMPOLAR WESTERLIES
  2001 2003
  GS    WIND (METEOROLOGY)
        #CIRCUMPOLAR WESTERLIES
  RT    ATMOSPHERIC CIRCULATION
        JET STREAMS (METEOROLOGY)
        WINDS ALOFT
        ZONAL FLOW (METEOROLOGY)

CIRCUMSOLAR RADIATION
  2402 2903
  GS    EXTRATERRESTRIAL RADIATION
        .SOLAR RADIATION
        .#CIRCUMSOLAR RADIATION
  RT    ATMOSPHERIC SCATTERING
        LIGHT SCATTERING
      % RADIATION
        SCATTERING
        SUNLIGHT

CIRCUMSOLAR TELESCOPES
  2402 3001
  GS    TELESCOPES
        #CIRCUMSOLAR TELESCOPES
  RT    LENSES
        MEASURING INSTRUMENTS
        MIRRORS
        OPTICAL EQUIPMENT
        RADIATION PYROMETERS
        SOLAR ENERGY
        SOLAR RADIATION

CIRCUMSTELLAR MATTER
  USE   STELLAR ENVELOPES

CIRQUES (LANDFORMS)
  1305 1306
  GS    LANDFORMS
        .STRUCTURAL BASINS
        .#CIRQUES (LANDFORMS)
  RT    GLACIERS
        ICE
        MOUNTAINS
        SNOW

CIRROCUMULUS CLOUDS
  1301 1308 2003
  GS    CLOUDS (METEOROLOGY)
        #CIRROCUMULUS CLOUDS
  RT    ATMOSPHERIC MOISTURE
        CIRROSTRATUS CLOUDS
        CLIMATOLOGY
        CLOUD COVER
        FOG
        METEOROLOGY
        NEPHANALYSIS
        PRECIPITATION (METEOROLOGY)
        THUNDERSTORMS
        WEATHER

CIRROSTRATUS CLOUDS
  1301 1308 2003
  GS    CLOUDS (METEOROLOGY)
        #CIRROSTRATUS CLOUDS
  RT    ATMOSPHERIC MOISTURE
        CIRROCUMULUS CLOUDS
        CLIMATOLOGY
        CLOUD COVER
        FOG
        METEOROLOGY
        NEPHANALYSIS
        PRECIPITATION (METEOROLOGY)
        THUNDERSTORMS
        WEATHER

CIRRUS CLOUDS
  2001 2003
  GS    CLOUDS (METEOROLOGY)
        #CIRRUS CLOUDS

CIRRUS SHIELDS
  2001 2003
  GS    CLOUDS (METEOROLOGY)
        #CIRRUS SHIELDS
  RT    CLIMATOLOGY
        METEOROLOGY
        WEATHER FORECASTING

CIS
  USE   COMMONWEALTH OF INDEPENDENT STATES

CISLUNAR SPACE
  1105 1407 3006 3009
  GS    ENVIRONMENTS
        .AEROSPACE ENVIRONMENTS
        .#CISLUNAR SPACE
        .EXTRATERRESTRIAL ENVIRONMENTS
        .#CISLUNAR SPACE
  RT    DEEP SPACE
        EARTH-MOON TRAJECTORIES
        INTERPLANETARY SPACE
        LUNAR FLIGHT
        LUNAR ORBITS
      % SPACE

CITIES
  3402 3403
  UF    METROPOLITAN AREAS
        URBAN AREAS
  GS   #CITIES
        .ATLANTA (GA)
        .CEDAR RAPIDS (IA)
        .HOUSTON (TX)
        .MANITOU (CO)
        .MOSCOW
        .NEW HAVEN (CT)
        .NEW YORK CITY (NY)
        .PHOENIX (AZ)
        .PONTIAC (MI)
        .SAN FRANCISCO (CA)
        .VATICAN CITY
  RT    ANTHROPOLOGY
```

```
        COMMUNITIES
        HEAT ISLANDS
        INDUSTRIAL AREAS
        INHABITANTS
        MEGALOPOLISES
        NATIONS
        RESIDENTIAL AREAS
        SOCIOLOGY
        SUBURBAN AREAS
        URBAN DEVELOPMENT
        URBAN PLANNING
        URBAN RESEARCH

CITRATES
  0603 1808
  RT    CITRIC ACID
        ESTERS

CITRIC ACID
  0403 1808
  GS    ACIDS
        .CARBOXYLIC ACIDS
        .#CITRIC ACID
        ORGANIC COMPOUNDS
        .CARBOHYDRATES
        .#CITRIC ACID
        .CARBOXYLIC ACIDS
        .#CITRIC ACID
  RT    CITRATES

CITRUS TREES
  0409
  GS    PLANTS (BOTANY)
        .TREES (PLANTS)
        .#CITRUS TREES
  RT    AGRICULTURE
        BLIGHT
        BOTANY
        CROP GROWTH
        CROP VIGOR
      % CROPS
        CURING
      % FOOD
        IRRIGATION
        ORCHARDS
        SEEDS

CIVIL AVIATION
  0204 1101 2101 3404
  UF    COMMERCIAL AVIATION
  RT %  AERONAUTICS
        AIR LAW
        AIRLINE OPERATIONS
        AVIATION METEOROLOGY
        COMMERCIAL AIRCRAFT
        GENERAL AVIATION AIRCRAFT
        PASSENGER AIRCRAFT

CIVIL DEFENSE
  3401
  RT    AIR DEFENSE
        ANTIMISSILE DEFENSE
        CHEMICAL DEFENSE
      % DEFENSE
        DEFENSE PROGRAM
        EVACUATING (TRANSPORTATION)
        NUCLEAR EXPLOSIONS
        NUCLEAR WARFARE
        PROTECTION
        SENTINEL SYSTEM
        SHELTERS
        SURVIVAL
        WARNING
        WARNING SYSTEMS

CL-41 AIRCRAFT
  0207 3401
  UF    CANADAIR CL-41 AIRCRAFT
        CT-114 AIRCRAFT
        TUTOR AIRCRAFT
  GS    ATTACK AIRCRAFT
        #CL-41 AIRCRAFT
        CANADAIR AIRCRAFT
        #CL-41 AIRCRAFT
        GENERAL DYNAMICS AIRCRAFT
        #CL-41 AIRCRAFT
        JET AIRCRAFT
        #CL-41 AIRCRAFT
        MONOPLANES
        #CL-41 AIRCRAFT
        TRAINING AIRCRAFT
        #CL-41 AIRCRAFT
  RT %  AIRCRAFT

CL-44 AIRCRAFT
  0201 0204
  UF    CANADAIR CL-44 AIRCRAFT
        CC-106 AIRCRAFT
        YUKON AIRCRAFT
  GS    CANADAIR AIRCRAFT
        #CL-44 AIRCRAFT
        GENERAL DYNAMICS AIRCRAFT
        #CL-44 AIRCRAFT
        JET AIRCRAFT
        .TURBOPROP AIRCRAFT
        .#CL-44 AIRCRAFT
        MONOPLANES
        #CL-44 AIRCRAFT
        TRANSPORT AIRCRAFT
        .CARGO AIRCRAFT
        .#CL-44 AIRCRAFT
  RT %  AIRCRAFT

CL-84 AIRCRAFT
  0209
  UF    CANADAIR CL-84 AIRCRAFT
  GS    ANTISUBMARINE WARFARE AIRCRAFT
        #CL-84 AIRCRAFT
        CANADAIR AIRCRAFT
        #CL-84 AIRCRAFT
        GENERAL DYNAMICS AIRCRAFT
        #CL-84 AIRCRAFT
        JET AIRCRAFT
        .TURBOPROP AIRCRAFT
        .#CL-84 AIRCRAFT
        OBSERVATION AIRCRAFT
        #CL-84 AIRCRAFT
        RECONNAISSANCE AIRCRAFT
        #CL-84 AIRCRAFT
        TILT WING AIRCRAFT
        #CL-84 AIRCRAFT
        TRANSPORT AIRCRAFT
        #CL-84 AIRCRAFT
        V/STOL AIRCRAFT
        #CL-84 AIRCRAFT
  RT %  AIRCRAFT

CL-595 HELICOPTER
  USE   XH-51 HELICOPTER

CL-600 CHALLENGER AIRCRAFT
  0102
  GS    CANADAIR AIRCRAFT
        #CL-600 CHALLENGER AIRCRAFT
        GENERAL AVIATION AIRCRAFT
        #CL-600 CHALLENGER AIRCRAFT
        JET AIRCRAFT
        .TURBOFAN AIRCRAFT
        .#CL-600 CHALLENGER AIRCRAFT
  RT %  AIRCRAFT
      % MILITARY AIRCRAFT
        SUPERCRITICAL WINGS

CL-823 AIRCRAFT
  0201 0204
  UF    LOCKHEED CL-823 AIRCRAFT
  GS    JET AIRCRAFT
        #CL-823 AIRCRAFT
        LOCKHEED AIRCRAFT
        #CL-823 AIRCRAFT
        SUPERSONIC AIRCRAFT
        .SUPERSONIC TRANSPORTS
        .#CL-823 AIRCRAFT
        TRANSPORT AIRCRAFT
        #CL-823 AIRCRAFT
```

```
  RT % AIRCRAFT

CLADDING
  0602 1702 1704 1802 2203
  GS   METAL WORKING
       #CLADDING
  RT   ANODIC STRIPPING
       CATHODIC COATINGS
       COLD WORKING
       COMPOSITE MATERIALS
       EXPLOSIVE WELDING
       EXTRUDING
       LAMINATES
       METAL COATINGS
       METALLIZING
       PLATING
       PROTECTIVE COATINGS

CLAIMING
  3402 3406 3407
  RT % LAW
       PATENTS
       PREEMPTING

CLAMPING CIRCUITS
  0902 0904
  GS   CIRCUITS
       #CLAMPING CIRCUITS
  RT   LIMITER CIRCUITS
       POWER LIMITERS

CLAMPS
  1001 1504 1507
  RT % BANDS
       CLIPS
       FASTENERS
       HOLDERS
       JIGS
       MECHANICAL DEVICES
       SEALING
       STRAPS

CLARITY
  2310 3408
  RT   ATMOSPHERIC OPTICS
       ELECTROMAGNETIC PROPERTIES
       HAZE
       OPACITY
       OPTICAL PROPERTIES
       PURITY
     % SHARPNESS
       SOLUBILITY
       TRANSPARENCE
       TURBIDITY

CLARK Y AIRFOIL
  USE  AIRFOIL PROFILES

CLASSES
  3405 3406
  RT   CATEGORIES
     % GROUPS
     % SECTIONS

CLASSIC AIRCRAFT
  USE  IL-62 AIRCRAFT

CLASSICAL MECHANICS
  1902 2308
  GS  #CLASSICAL MECHANICS
       .SPACE MECHANICS
       ..ASTRODYNAMICS
       ..CELESTIAL MECHANICS
       ..ORBITAL MECHANICS
       ...KEPLER LAWS
       ...MINIMUM VARIANCE ORBIT
          DETERMINATION
  RT   ANGULAR MOMENTUM
       CONTINUUM MECHANICS
       EQUATIONS OF MOTION
       EULER-LAGRANGE EQUATION
       HAMILTONIAN FUNCTIONS
       LAGRANGE COORDINATES
       MAXWELL BODIES
     % MECHANICS (PHYSICS)
       MOMENTUM
       PHASE-SPACE INTEGRAL
       POISSON EQUATION
       QUATERNIONS
       STATISTICAL MECHANICS

CLASSIFICATIONS
  3405
  GS  #CLASSIFICATIONS
       .HIERARCHIES
       ..BBGKY HIERARCHY
       ..DICHOTOMIES
       .INDEXES (DOCUMENTATION)
       ..KWIC INDEXES
       ..WISWESSER NOTATIONS
       .SUBJECTS
  RT   ASTRONOMICAL CATALOGS
     % BREAKDOWN
     % CLASSIFYING
       CLUSTER ANALYSIS
       CONGENERS
       IMAGE CLASSIFICATION
       TAXONOMY

CLASSIFIERS
  1502
  GS   SEPARATORS
       #CLASSIFIERS
       ..SIZING SCREENS
       ..THICKENERS (EQUIPMENT)
  RT   CENTRIFUGES
       CONCENTRATING
       CONCENTRATORS
       FLOTATION
     % SEPARATION
       SHAKERS
       SIZE DETERMINATION
       SIZE SEPARATION
       SPIRALS (CONCENTRATORS)

% CLASSIFYING
  1502 1504
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  UF   SORTING
  RT   CLASSIFICATIONS
       CONCENTRATORS
       DISCRIMINANT ANALYSIS (STATISTICS)
       EVALUATION
       IMAGE CLASSIFICATION
       SECURITY
       SELECTION
       SIZE SEPARATION
       TAXONOMY

CLATHRATES
  0403 0603 1804 1808
  RT % CHEMICAL COMPOUNDS
       CRYSTAL STRUCTURE
       CRYSTALS
       INCLUSIONS

CLAYS
  1306 1806
  GS  #CLAYS
       .ILLITE
       .KAOLINITE
       .MONTMORILLONITE
       .VERMICULITE
  RT   ALLUVIUM
       BOREHOLES
       BRICKS
       CERAMICS
       COLLOIDS
       FANS (LANDFORMS)
       GROUT
       MASONRY
       MINING
       MOLDING MATERIALS
```

MUD
REFRACTORY MATERIALS
ROCKS
SEDIMENTARY ROCKS
SEDIMENTS
SHALES
SIZING MATERIALS
SOILS
STRIP MINING

CLEAN ENERGY
0408 0412 0603
RT AIR POLLUTION
ENVIRONMENT POLLUTION
ENVIRONMENTAL ENGINEERING
GEOTHERMAL ENERGY CONVERSION
SOLAR ENERGY
TIDEPOWER
WATER POLLUTION
WATERWAVE ENERGY
WINDPOWER UTILIZATION

CLEAN FUELS
2701
GS FUELS
#CLEAN FUELS
..FUEL OILS
RT BENEFICIATION
CHEMICAL FUELS
HYDROCARBON FUELS
POLLUTION
REFINING
SYNTHETIC FUELS

CLEAN ROOMS
0504
GS ROOMS
#CLEAN ROOMS
RT ASSEMBLING
CLEANLINESS
CONTROLLED ATMOSPHERES
ENVIRONMENTAL CONTROL

CLEANERS
0504 0602 3404
GS #CLEANERS
.AIR FILTERS
RT % ABSORBERS
ABSORBERS (EQUIPMENT)
ABSORBERS (MATERIALS)
CLEANING
CLEANLINESS
SEPARATORS
ULTRASONIC CLEANING
WASHERS (CLEANERS)

CLEANING
0602 1704 3404
GS #CLEANING
.CHEMICAL CLEANING
..PICKLING (METALLURGY)
.HOUSEKEEPING (SPACECRAFT)
.STERILIZATION
..CHEMICAL STERILIZATION
..SPACECRAFT STERILIZATION
.ULTRASONIC CLEANING
.WASHING
..BATHING
RT ABRASION
ANTIFOULING
ANTISEPTICS
BLEACHING
CLEANERS
CLEANLINESS
CLEARING
CORROSION PREVENTION
DECONTAMINATION
DESCALING
DISSOLVING
DUST
FLUSHING
METAL FINISHING
METAL POLISHING
POLISHING
PURIFICATION
% REDUCTION
REFINING
SCARFING
SCAVENGING
SCRUBBERS
% SEPARATION
SURFACE FINISHING
WASTE WATER

CLEANLINESS
0408 0412 0504 0505 0506 3408
GS #CLEANLINESS
.HOUSEKEEPING (SPACECRAFT)
RT CLEAN ROOMS
CLEANERS
CLEANING
HYGIENE
ORAL HYGIENE

CLEAR AIR TURBULENCE
0201 1301 2001 2003
GS TURBULENCE
.ATMOSPHERIC TURBULENCE
.#CLEAR AIR TURBULENCE
RT AVIATION METEOROLOGY
GUSTS
JET STREAMS (METEOROLOGY)
THERMAL INSTABILITY
TURBULENT DIFFUSION
WIND SHEAR

CLEARANCES
1308 1406 1505 1902 3404 3408 3501
RT ADJUSTING
ALIGNMENT
ALLOWANCES
DATUM (ELEVATION)
SPACING
TIGHTNESS
TOLERANCES (MECHANICS)

CLEARING
1504 1505 3407
RT CLEANING
PURGING
REMOVAL

CLEARINGS (OPENINGS)
0409 3301
UF SLASHES
RT DEFORESTATION
FIREBREAKS
FORESTS
TREES (PLANTS)

CLEAVAGE
1306 1806 2601 3203
UF SCISSION
RT BRITTLE MATERIALS
BRITTLENESS

CLEBSCH-GORDAN COEFFICIENTS
1902 2308
GS COEFFICIENTS
#CLEBSCH-GORDAN COEFFICIENTS
RT ANGULAR MOMENTUM
COUPLING

CLIFFS
1306
UF BLUFFS (LANDFORMS)
RT CANYONS
ESCARPMENTS
FIORDS
LANDSLIDES
LEDGES
% SHELVES
SLOPES
TOPOGRAPHY

```
CLIMATE
  1308 2001 2003
  UF   MACROCLIMATE
  RT   CLIMATE CHANGE
       CLIMATOLOGY
       LONG TERM EFFECTS
       METEOROLOGY
       PALEOCLIMATOLOGY
       SOUTHERN OSCILLATION
       WEATHER

CLIMATE CHANGE
  1308 2001 2003
  RT   AIR POLLUTION
       ATMOSPHERIC COMPOSITION
       ATMOSPHERIC TEMPERATURE
       CARBON DIOXIDE CONCENTRATION
       CLIMATE
       CLIMATOLOGY
       GLOBAL WARMING
       GREENHOUSE EFFECT
       MAN ENVIRONMENT INTERACTIONS
       PALEOCLIMATOLOGY
       STRATOSPHERIC WARMING

CLIMATOLOGY
  1308 2001 2003
  UF   MILANKOVITCH THEORY
  GS  #CLIMATOLOGY
       .AGROCLIMATOLOGY
       .MICROCLIMATOLOGY
       .PALEOCLIMATOLOGY
  RT   ANTARCTIC REGIONS
       ANVIL CLOUDS
       ARCTIC REGIONS
       ATMOSPHERIC CIRCULATION
       ATMOSPHERIC GENERAL CIRCULATION
       MODELS
       CAP CLOUDS
       CIRROCUMULUS CLOUDS
       CIRROSTRATUS CLOUDS
       CIRRUS SHIELDS
       CLIMATE
       CLIMATE CHANGE
       CLOUD COVER
       CLOUD DISPERSAL
       CLOUDS (METEOROLOGY)
       DENDROCHRONOLOGY
       DESERTLINE
       DESERTS
       ENVIRONMENTAL CHEMISTRY
       ENVIRONMENTAL ENGINEERING
       FIRE (CLIMATOLOGY)
       FOG DISPERSAL
       GEOGRAPHY
       HAILSTORMS
       HEAT ISLANDS
       HUMIDITY
       HURRICANES
       HYDROCLIMATOLOGY
       HYDROLOGY
       ISCCP PROJECT
       LIGHTNING SUPPRESSION
       METEOROLOGY
       MIDDLE ATMOSPHERE
       PERIODIC VARIATIONS
       PHENOLOGY
       POLAR METEOROLOGY
       POLAR REGIONS
       PRECIPITATION (METEOROLOGY)
       PRIMITIVE EQUATIONS
       RAINMAKING
       SEA BREEZE
       SEASONS
       SNOWSTORMS
       SOLAR RADIATION
       STORM ENHANCEMENT
       STORM SUPPRESSION
       STORMS
       STORMS (METEOROLOGY)
       SUNLIGHT
       TELECONNECTIONS (METEOROLOGY)
       TEMPERATE REGIONS
       TEMPERATURE
       TROPICAL REGIONS
       WEATHER
       WIND (METEOROLOGY)
       ZONAL FLOW (METEOROLOGY)

CLIMBING FLIGHT
  0101 0201 0408 0502 1902 2601
  GS   ASCENT
       #CLIMBING FLIGHT
  RT   ASCENT TRAJECTORIES
       COASTING FLIGHT
     % FLIGHT
       FLIGHT PATHS
       HORIZONTAL FLIGHT
       PARABOLIC FLIGHT
       ROCKET FLIGHT
       SOARING
       TAKEOFF
       TURNING FLIGHT
       VERTICAL FLIGHT

CLINICAL MEDICINE
  0405
  GS   MEDICAL SCIENCE
       #CLINICAL MEDICINE
  RT   ANESTHESIOLOGY
       BED REST
       BLOOD VOLUME
       CASE HISTORIES
       DIAGNOSIS
       EXAMINATION
       HEALING
       HEALTH
       HUMAN BEINGS
     % MEDICINE
     % OPERATIONS
       SPORTS MEDICINE
       SURGERY
       TRANSPLANTATION
     % TREATMENT

CLIPPER CIRCUITS
  0902
  GS   CIRCUITS
       .LIMITER CIRCUITS
       .#CLIPPER CIRCUITS
  RT   COMPARATOR CIRCUITS
       POWER LIMITERS

CLIPS
  0902
  RT   ANCHORS (FASTENERS)
     % BANDS
       CLAMPS
       COUPLINGS
       FASTENERS
       HOLDERS
       MECHANICAL DEVICES

CLOCK PARADOX
  2308 2311
  GS   TIME MEASUREMENT
       #CLOCK PARADOX
  RT   ATOMIC CLOCKS
       CHRONOMETERS
       TIME SIGNALS
       TIMING DEVICES

CLOCKS
  0303 1406 1504 1601 3501
  UF   WATCHES
  GS   MEASURING INSTRUMENTS
       .TIME MEASURING INSTRUMENTS
       .#CLOCKS
       ...ATOMIC CLOCKS
       ...AUTONOMOUS SPACECRAFT CLOCKS
       ...CHRONOMETERS
  RT   TIME MEASUREMENT
       TIMING DEVICES

CLOGGING
```

USE PLUGGING

CLOSE PACKED LATTICES
1704 2601 3203
GS CRYSTAL LATTICES
#CLOSE PACKED LATTICES
RT BODY CENTERED CUBIC LATTICES
FACE CENTERED CUBIC LATTICES

CLOSED BASINS
USE STRUCTURAL BASINS

CLOSED CIRCUIT TELEVISION
0702 1402 1410
GS COMMUNICATION EQUIPMENT
#CLOSED CIRCUIT TELEVISION
TELECOMMUNICATION
#CLOSED CIRCUIT TELEVISION
TELEVISION SYSTEMS
#CLOSED CIRCUIT TELEVISION
RT CABLE TELEVISION
COLOR TELEVISION
EDUCATIONAL TELEVISION
STEREOTELEVISION
TELEVISION CAMERAS
TELEVISION RECEIVERS
TELEVISION TRANSMISSION
WIRELESS COMMUNICATION

CLOSED CYCLES
0602 0702 0802 1003 1202 2311
SN (EXCLUDES CLOSED LOOP CONTROL SYSTEMS)
RT CONTROL THEORY
COOLING SYSTEMS
ELECTRIC GENERATORS
GAS TURBINES
LOOPS
NUCLEAR REACTORS
PLASMA GENERATORS
THERMAL CYCLING TESTS
THERMODYNAMIC CYCLES

CLOSED ECOLOGICAL SYSTEMS
0404 0504 0505 0507
UF BIOREGENERATIVE LIFE SUPPORT SYSTEMS
GS SUPPORT SYSTEMS
.LIFE SUPPORT SYSTEMS
.#CLOSED ECOLOGICAL SYSTEMS
RT AEROSPACE MEDICINE
BIOASTRONAUTICS
ECOLOGY
ECOSYSTEMS
FOOD PRODUCTION (IN SPACE)
GNOTOBIOTICS
LONG TERM EFFECTS
OXYGEN PRODUCTION
SPACE HABITATS
SPACECRAFT CABIN ATMOSPHERES
SPACECRAFT ENVIRONMENTS
SURVIVAL
% SYSTEMS

CLOSED FAULTS
USE GEOLOGICAL FAULTS

CLOSED LOOP SYSTEMS
USE FEEDBACK CONTROL

CLOSING
3407
RT BLOCKING
PLUGGING
SEALING
STOPPING

CLOSTRIDIUM
0407 0409
GS MICROORGANISMS
.BACTERIA
.#CLOSTRIDIUM
...CLOSTRIDIUM BOTULINUM
RT BACTERIAL DISEASES

CLOSTRIDIUM BOTULINUM
0407 0409
GS MICROORGANISMS
.BACTERIA
..CLOSTRIDIUM
..#CLOSTRIDIUM BOTULINUM
RT BACTERIOLOGY
PATHOGENS
TOXIC DISEASES

CLOSURE LAW
1202 1902
GS LAWS
#CLOSURE LAW
RT FIELD THEORY (PHYSICS)
K-EPSILON TURBULENCE MODEL
STATISTICAL MECHANICS
TURBULENT FLOW

CLOSURES
1504 1902 3408
RT % BARRIERS
BLOCKING
CHOKES (RESTRICTIONS)
CONSTRICTIONS
COUPLINGS
COVERINGS
ENCLOSURES
END PLATES
FASTENERS
FITTINGS
% GATES
JOINTS (JUNCTIONS)
PLUGGING
PLUGS
SEALS (STOPPERS)
TIGHTNESS
VALVES

CLOTH
USE FABRICS

CLOTHING
0508 1811
GS #CLOTHING
.BOOTS (FOOTWEAR)
.COTTON FIBERS
.COVERALLS
.FLIGHT CLOTHING
.GARMENTS
.GLOVES
.GOGGLES
.PROTECTIVE CLOTHING
..HELMETS
..PRESSURE SUITS
...SPACE SUITS
....EXTRAVEHICULAR MOBILITY UNITS
..VAPOR BARRIER CLOTHING
.SHOES
.SOCKS
.SUITS
..PRESSURE SUITS
...SPACE SUITS
....EXTRAVEHICULAR MOBILITY UNITS
RT CHEMICAL DEFENSE
CONSUMABLES (SPACECREW SUPPLIES)
COTTON
CUFFS
FABRICS
LEATHER
TEXTILES
VESTS

CLOTTING
0403 0404 0408
RT BLOOD COAGULATION
EMBOLISMS
THROMBOCYTES
THROMBOPLASTIN

```
CLOUD CHAMBERS
  1106 2403 2405
  GS   IONIZATION CHAMBERS
       #CLOUD CHAMBERS
  RT   BUBBLE CHAMBERS
     % CHAMBERS
       RADIATION COUNTERS
       SPARK CHAMBERS

CLOUD COVER
  2001 2003
  UF   OVERCAST
  RT   ANVIL CLOUDS
     % BLANKETS
       CAP CLOUDS
       CIRROCUMULUS CLOUDS
       CIRROSTRATUS CLOUDS
       CLIMATOLOGY
       CLOUDS (METEOROLOGY)
       FIRE (CLIMATOLOGY)
       FLIGHT CONDITIONS
       ISCCP PROJECT
       METEOROLOGICAL PARAMETERS
       METEOROLOGY
       METEOSAT SATELLITE
       NEPHANALYSIS
       SHADOWS
       SKY
       SKY BRIGHTNESS
       SOLAR RADIATION
       SUNLIGHT
       VENUS CLOUDS
       VENUS SURFACE
       WEATHER FORECASTING

CLOUD DISPERSAL
  1301 1302 1308 2001 2003 2311
  GS   WEATHER MODIFICATION
       #CLOUD DISPERSAL
  RT   CLIMATOLOGY
       CLOUDS (METEOROLOGY)
       DISPERSING

CLOUD GLACIATION
  1301 2003
  GS   ICE FORMATION
       #CLOUD GLACIATION
  RT   FREEZING
       GRAUPEL
       HAIL
       ICE CLOUDS
       ICE NUCLEI
       SNOW
       SNOW COVER

CLOUD HEIGHT INDICATORS
  1301 1406 2003 3501
  UF   CEILOMETERS
  GS   MEASURING INSTRUMENTS
       .INDICATING INSTRUMENTS
       .#CLOUD HEIGHT INDICATORS
       .METEOROLOGICAL INSTRUMENTS
       .#CLOUD HEIGHT INDICATORS
  RT   CEILINGS (METEOROLOGY)

CLOUD PHOTOGRAPHS
  1401 1407 2004
  GS   PHOTOGRAPHS
       #CLOUD PHOTOGRAPHS
  RT   AERIAL PHOTOGRAPHY
       ALL SKY PHOTOGRAPHY
       PHOTOGRAPHY
       SPACEBORNE PHOTOGRAPHY
       TIROS PROJECT

CLOUD PHOTOGRAPHY
  1401 1407 2003 2004
  GS   IMAGERY
       #CLOUD PHOTOGRAPHY
       PHOTOGRAPHY
       #CLOUD PHOTOGRAPHY
  RT   AERIAL PHOTOGRAPHY
       ALL SKY PHOTOGRAPHY
       BLACK AND WHITE PHOTOGRAPHY
       ESSA SATELLITES
       METEOROLOGICAL SATELLITES
       METEOSAT SATELLITE
       NIMBUS PROJECT
       NIMBUS SATELLITES
       NIMBUS 1 SATELLITE
       NIMBUS 2 SATELLITE
       SPACEBORNE PHOTOGRAPHY
       TIROS OPERATIONAL SATELLITE SYSTEM
       TIROS PROJECT
       TIROS SATELLITES

CLOUD PHYSICS
  1308 2003
  GS   ATMOSPHERIC PHYSICS
       #CLOUD PHYSICS
  RT   AITKEN NUCLEI
       ATMOSPHERIC CLOUD PHYSICS LAB
       (SPACELAB)
       ATMOSPHERIC ELECTRICITY
       CONDENSATION NUCLEI
       CONDENSING
       CONVECTION CLOUDS
       DROP SIZE
       FOG DISPERSAL
       GRAUPEL
       NEPHANALYSIS
       OPHIUCHI CLOUDS
     % PHYSICS
       PRECIPITATION (METEOROLOGY)
     % SCIENCE
       VENUS CLOUDS
       WEATHER MODIFICATION

CLOUD SEEDING
  2001 2003 3404
  GS   NUCLEATION
       #CLOUD SEEDING
       WEATHER MODIFICATION
       #CLOUD SEEDING
  RT   CLOUDS (METEOROLOGY)
       PRECIPITATION (METEOROLOGY)
       RAIN
       RAINMAKING
       STIMULATION

% CLOUDS
  1301 1308 2003 3009
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   CLOUDS (METEOROLOGY)
       DUST
       ELECTRON CLOUDS
       EXHAUST CLOUDS
       H I REGIONS
       H II REGIONS
       HYDROGEN CLOUDS
       ICE CLOUDS
       INFRARED CIRRUS (ASTRONOMY)
       MAGELLANIC CLOUDS
       MAGNETIC CLOUDS
       METEOROID DUST CLOUDS
       MOLECULAR CLOUDS
       OORT CLOUD
       OPHIUCHI CLOUDS
       PARTICLES
       PLASMA CLOUDS
       VENUS CLOUDS

CLOUDS (METEOROLOGY)
  2003 1301 1308
  UF   CHAOTIC CLOUD PATTERNS
  GS  #CLOUDS (METEOROLOGY)
       .ARTIFICIAL CLOUDS
       ..CHEMICAL CLOUDS
       ...BARIUM ION CLOUDS
       .CAP CLOUDS
       .CIRROCUMULUS CLOUDS
       .CIRROSTRATUS CLOUDS
       .CIRRUS CLOUDS
```

.CIRRUS SHIELDS
.CONVECTION CLOUDS
..ARC CLOUDS
..CUMULONIMBUS CLOUDS
...ANVIL CLOUDS
..CUMULUS CLOUDS
...ANVIL CLOUDS
.ICE CLOUDS
.NIMBOSTRATUS CLOUDS
.NOCTILUCENT CLOUDS
.STRATOCUMULUS CLOUDS
.STRATUS CLOUDS
RT ACID RAIN
ALPINE METEOROLOGY
ATMOSPHERIC CORRECTION
ATMOSPHERIC MOISTURE
CLIMATOLOGY
CLOUD COVER
CLOUD DISPERSAL
CLOUD SEEDING
% CLOUDS
CONDENSATION NUCLEI
DROP SIZE
FIRE (CLIMATOLOGY)
FOG
FOG DISPERSAL
ISCCP PROJECT
METEOROLOGY
NEPHANALYSIS
PRECIPITATION (METEOROLOGY)
SHADOWS
SKY
THUNDERSTORMS
WEATHER

CLUMPS
0404 1902 2311 3009
RT AGGLOMERATION
ATOMIC CLUSTERS
% CLUSTERS
METAL CLUSTERS
MOLECULAR CLUSTERS
PATTERN RECOGNITION
REGRESSION ANALYSIS

CLUSTER ANALYSIS
1902
RT CLASSIFICATIONS
IMAGE ANALYSIS
IMAGE PROCESSING
PATTERN RECOGNITION
REMOTE SENSING
STATISTICAL ANALYSIS

CLUSTER MISSION
1308 3008 3409
GS SPACE MISSIONS
#CLUSTER MISSION
RT EARTH MAGNETOSPHERE
EUROPEAN SPACE PROGRAMS
INTERNATIONAL COOPERATION
% MISSIONS
NASA SPACE PROGRAMS
SCIENTIFIC SATELLITES
SOHO MISSION
SOLAR TERRESTRIAL INTERACTIONS
SOLAR WIND
SPACE PLASMAS

% CLUSTERS
3001 3003
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT ATOMIC CLUSTERS
CLUMPS
GALACTIC CLUSTERS
GLOBULAR CLUSTERS
METAL CLUSTERS
MOLECULAR CLUSTERS
PLEIADES CLUSTER
PRAESEPE STAR CLUSTERS
STAR CLUSTERS
VIRGO GALACTIC CLUSTER

CLUTCHES
1504
RT ENGINE PARTS
MECHANICAL DEVICES
MECHANICAL DRIVES

CLUTTER
0704 0705 1301 1302 2402
GS ECHOES
.RADAR ECHOES
.#CLUTTER
RT AIRBORNE RADAR
JAMMING
RADIO FREQUENCY INTERFERENCE

CMOS
1400
UF COMPLEMENTARY METAL OXIDE SEMICONDUCTORS
GS ELECTRONIC EQUIPMENT
.SOLID STATE DEVICES
..SEMICONDUCTOR DEVICES
...METAL OXIDE SEMICONDUCTORS
...#CMOS
SEMICONDUCTORS (MATERIALS)
.METAL OXIDE SEMICONDUCTORS
.#CMOS
RT ITO (SEMICONDUCTORS)
LATCH-UP

CN EMISSION
1411 2903
UF CYANIDE EMISSION
GS ELECTROMAGNETIC RADIATION
.RADIO WAVES
..RADIO EMISSION
..#CN EMISSION
EMISSION
.RADIO EMISSION
.#CN EMISSION
RT HYDROCYANIC ACID
MILLIMETER WAVES
RADIO SOURCES (ASTRONOMY)

CNOIDAL WAVES
1204
RT ELASTIC WAVES
GRAVITY WAVES
SHALLOW WATER
SOLITARY WAVES
SURFACE WAVES
WATER DEPTH
WATER WAVES
% WAVES

COACHELLA VALLEY (CA)
1305
GS VALLEYS
#COACHELLA VALLEY (CA)
RT CALIFORNIA
DESERTS

COAGULATION
0403 0404 0408
GS #COAGULATION
.BLOOD COAGULATION
RT ACCUMULATIONS
AGGLOMERATION
AITKEN NUCLEI
BLOOD
COALESCING
CONCENTRATING
DEPOSITION
EMBOLISMS
FIBRIN
FLOCCULATING
FLOTATION
GELATION
HARDENING (MATERIALS)
HEMORRHAGES

```
      LUMPING
      PRECIPITATION (CHEMISTRY)
    % SEPARATION
    % SETTING
      SETTLING
      SOLIDIFICATION
      THROMBOPENIA
      WATER TREATMENT

COAL
  1306 1805 1806 1808
  GS  RESOURCES
      .EARTH RESOURCES
      ..FOSSIL FUELS
      ..#COAL
      ....ANTHRACITE
      ....LIGNITE
      ....SOLVENT REFINED COAL
      ROCKS
      .SEDIMENTARY ROCKS
      ..CARBONACEOUS ROCKS
      ..#COAL
      ....ANTHRACITE
      ....LIGNITE
  RT  ASHES
      ASPHALTENES
      BITUMENS
      CARBONACEOUS MATERIALS
      COAL DERIVED GASES
      COAL DERIVED LIQUIDS
      COAL GASIFICATION
      COAL LIQUEFACTION
      COAL UTILIZATION
      COKE
      ENERGY POLICY
      FLY ASH
      HYDROPYROLYSIS
      PEAT
      REGOLITH
      SOILS
      STRIP MINING
      SYNTHANE

COAL DERIVED GASES
  1203
  RT  CATALYSTS
      COAL
      COAL DERIVED LIQUIDS
      COAL GASIFICATION
      COAL UTILIZATION
      METHANE

COAL DERIVED LIQUIDS
  1306
  RT  ASPHALTENES
      CATALYSTS
      COAL
      COAL DERIVED GASES
      COAL GASIFICATION
      COAL LIQUEFACTION
      COAL UTILIZATION

COAL GASIFICATION
  0602 1203 2311 3407
  GS  GASIFICATION
      #COAL GASIFICATION
      ..HYDROPYROLYSIS
  RT  COAL
      COAL DERIVED GASES
      COAL DERIVED LIQUIDS
      COAL LIQUEFACTION
      CRACKING (CHEMICAL ENGINEERING)
      ENERGY POLICY
      FUEL CELL POWER PLANTS
      GASES
      HYDROCARBON FUELS
      HYDROCRACKING
      LIGNITE
      METHANATION
      SYNTHANE
      VOLATILITY

COAL LIQUEFACTION
  0602 1203 2311 3407
  GS  PHASE TRANSFORMATIONS
      .LIQUEFACTION
      .#COAL LIQUEFACTION
  RT  ASPHALTENES
      COAL
      COAL DERIVED LIQUIDS
      COAL GASIFICATION
      ENERGY POLICY
      HYDROCARBON FUELS
      HYDROCRACKING
      HYDROPYROLYSIS
      LIGNITE
      MELTING
      SOLVENT REFINED COAL

COAL UTILIZATION
  0602 1203 2311 3407
  GS  UTILIZATION
      #COAL UTILIZATION
  RT  COAL
      COAL DERIVED GASES
      COAL DERIVED LIQUIDS
      ENERGY CONSUMPTION
      ENERGY POLICY
      ENERGY TECHNOLOGY
      HYDROCARBON FUELS
      LIGNITE
      SOLVENT REFINED COAL

COALESCENCE
  USE COALESCING

COALESCING
  0602 1202
  UF  COALESCENCE
  RT  AGGLOMERATION
      AGITATION
      COAGULATION
      CONCENTRATING
      FLOCCULATING
      MIXERS
    % SEPARATION
      SETTLING
      THICKENERS (EQUIPMENT)

COANDA EFFECT
  1201 1202 1203
  RT % ATTACHMENT
      BUBBLES
      CIRCULATION CONTROL AIRFOILS
    % EFFECTS
      ENTRAINMENT
      FLUID AMPLIFIERS
      JET AMPLIFIERS
      JET STREAMS (METEOROLOGY)
      REATTACHED FLOW
    % SEPARATION
      THRUST AUGMENTATION

COARSENESS
  3408
  RT  FINENESS
      REFLECTANCE
      ROUGHNESS
      SURFACE PROPERTIES
      SURFACE ROUGHNESS
      SURFACE STABILITY
      SURFACE TEMPERATURE

COASTAL CURRENTS
  1305 1306
  UF  LITTORAL CURRENTS
      LONGSHORE CURRENTS
  GS  CIRCULATION
      .WATER CIRCULATION
      ..WATER CURRENTS
      ...OCEAN CURRENTS
      ...#COASTAL CURRENTS
  RT  BEACHES
      COASTS
    % CURRENTS
```

GYRES
OCEANOGRAPHY
OCEANS
SEA TRUTH
SEAS
TIDES
WETLANDS

COASTAL DUNES
USE DUNES

COASTAL ECOLOGY
0404
GS ECOLOGY
#COASTAL ECOLOGY
RT BIOMETEOROLOGY
COASTS
EARTH RESOURCES
ENVIRONMENT EFFECTS
ENVIRONMENTS
MARINE ENVIRONMENTS
MARINE RESOURCES
OIL POLLUTION
PHENOLOGY
THERMAL POLLUTION
WATERFOWL
WETLANDS

COASTAL MARSHLANDS
USE MARSHLANDS

COASTAL PLAINS
1305 1306
GS LAND
.PLAINS
.#COASTAL PLAINS
RT BARS (LANDFORMS)
BEACHES
BIOMETEOROLOGY
COASTS
EARTH RESOURCES
ECOLOGY
ENVIRONMENTS
PIEDMONTS
WETLANDS

COASTAL RANGES (CA)
1305
GS LANDFORMS
.MOUNTAINS
.#COASTAL RANGES (CA)
RT CALIFORNIA
PACIFIC OCEAN

COASTAL WATER
1306 1308 1310
GS WATER
.NEARSHORE WATER
.#COASTAL WATER
RT COASTAL ZONE COLOR SCANNER
ENVIRONMENT EFFECTS
OCEAN COLOR SCANNER
OCEANS
SEA WATER
SHELLFISH
SHORELINES
VADOSE WATER
WATER DEPTH
WETLANDS

COASTAL ZONE COLOR SCANNER
0705
GS SCANNERS
#COASTAL ZONE COLOR SCANNER
RT CHLOROPHYLLS
COASTAL WATER
COLORIMETRY
MULTISPECTRAL BAND SCANNERS
OCEAN COLOR SCANNER
OCEAN DATA ACQUISITIONS SYSTEMS
OCEANOGRAPHIC PARAMETERS
OCEANOGRAPHY
PHOTOMAPPING
REMOTE SENSING
REMOTE SENSORS
SATELLITE IMAGERY
WATER COLOR

COASTING FLIGHT
0101 0201
RT ASCENT TRAJECTORIES
BALLISTIC TRAJECTORIES
CLIMBING FLIGHT
CRUISING FLIGHT
DESCENT TRAJECTORIES
% FLIGHT
MIDCOURSE TRAJECTORIES
PARABOLIC FLIGHT
ROCKET FLIGHT
SOARING

COASTS
1305 1306
RT BEACHES
CASPIAN SEA
COASTAL CURRENTS
COASTAL ECOLOGY
COASTAL PLAINS
CORAL REEFS
CUSPS (LANDFORMS)
DUNES
ESTUARIES
LAGOONS
LAKES
LITTORAL DRIFT
MARINE ENVIRONMENTS
OCEANS
SEAS
SHORELINES
STORM SURGES
TIDAL FLATS
UPWELLING WATER

COATING
0604 1802
GS #COATING
.ANODIZING
.ELECTROPLATING
.ENCAPSULATING
.METALLIZING
RT ANODIC STRIPPING
COATINGS
CORROSION PREVENTION
DEPOSITION
FLAME PLATING
FLAME SPRAYING
LINING PROCESSES
METAL FINISHING
METAL SPRAYING
% METALLURGY
METALORGANIC CHEMICAL VAPOR DEPOSITION
PLASMA SPRAYING
% PRIMING
SEALING
SILICONIZING
SPRAYING
SURFACE FINISHING
SURFACE PROPERTIES
SURFACE TREATMENT
VAPOR DEPOSITION

COATINGS
1802
GS #COATINGS
.ANTIRADAR COATINGS
.ANTIREFLECTION COATINGS
.BIREFRINGENT COATINGS
.CATHODIC COATINGS
.ELECTROPLATING
.ENAMELS
.ENCAPSULATING
.GLASS COATINGS
.GLAZES
.INORGANIC COATINGS

..ANODIC COATINGS
..CERAMIC COATINGS
.LACQUERS
.MAGNETIC FILMS
.METAL COATINGS
..ALUMINUM COATINGS
..GOLD COATINGS
..NICKEL COATINGS
..ZINC COATINGS
.METALLIZING
.PAINTS
.PLASTIC COATINGS
.PROTECTIVE COATINGS
..ANODIC COATINGS
..CERAMIC COATINGS
..PRIMERS (COATINGS)
..REFRACTORY COATINGS
.RUBBER COATINGS
.SPRAYED COATINGS
.THERMAL CONTROL COATINGS
RT ADDITIVES
COATING
COMPOSITE MATERIALS
CORROSION
CORROSION PREVENTION
COVERINGS
CRYODEPOSITS
DEPOSITION
DEPOSITS
DIAMOND FILMS
DIPPING
ELECTROLESS DEPOSITION
ENERGY ABSORPTION FILMS
EPOXY RESINS
FABRICS
% FILMS
FINISHES
FLAME SPRAYING
FURAN RESINS
HOT CORROSION
IMPREGNATING
INHIBITORS
LAMINATES
LANGMUIR-BLODGETT FILMS
% LAYERS
LINING PROCESSES
LININGS
METAL FILMS
METAL FINISHING
METAL SPRAYING
% METALLURGY
MOISTURE RESISTANCE
PASSIVITY
PAVEMENTS
PLASMA SPRAYING
PLASTICIZERS
% PRIMING
PROTECTION
RUSTING
SEALERS
SEALING
% SHEETS
SILICONIZING
SOLVENTS
SPRAYING
SUBSTRATES
SURFACE FINISHING
SURFACE PROPERTIES
THIN FILMS
VAPOR DEPOSITION
VENEERS
WATERPROOFING
WAXES
WEATHERPROOFING
WINGS

COAXIAL CABLES
0701 0702 0705
UF COAXIAL TRANSMISSION
GS TRANSMISSION LINES
.COMMUNICATION CABLES
.#COAXIAL CABLES
RT % CABLES
POWER LINES
SUBMARINE CABLES
WAVEGUIDES

COAXIAL FLOW
1202 1203 2502
GS FLUID FLOW
#COAXIAL FLOW
RT ANNULAR FLOW
ANNULAR NOZZLES
AXIAL FLOW
AXISYMMETRIC FLOW
FLOW GEOMETRY
HILSCH TUBES
SHEAR FLOW
STRATIFIED FLOW
TWO DIMENSIONAL FLOW

COAXIAL NOZZLES
1202
RT AIRCRAFT NOISE
AXIAL FLOW
FLUID FLOW
NOISE REDUCTION
NOZZLE GEOMETRY
% NOZZLES
SUPERSONIC NOZZLES
VARIABLE CYCLE ENGINES

COAXIAL PLASMA ACCELERATORS
2501
GS PLASMA ACCELERATORS
#COAXIAL PLASMA ACCELERATORS
RT % ACCELERATORS
PLASMA ENGINES
PLASMA GUNS

COAXIAL TRANSMISSION
USE COAXIAL CABLES
TRANSMISSION

COBALT
1703
GS CHEMICAL ELEMENTS
#COBALT
..COBALT ISOTOPES
...COBALT 58
...COBALT 60
METALS
.TRANSITION METALS
.#COBALT
...COBALT ISOTOPES
....COBALT 58
....COBALT 60
RT STRATEGIC MATERIALS

COBALT ACETATES
0403 0603 1804 1808
GS ACETATES
#COBALT ACETATES
COBALT COMPOUNDS
#COBALT ACETATES
ESTERS
#COBALT ACETATES

COBALT ALLOYS
1701 1704
GS ALLOYS
#COBALT ALLOYS
..ASTROLOY (TRADEMARK)
..RENE 41
..RENE 63
..RENE 77
..RENE 95
RT HEAT RESISTANT ALLOYS
KOVAR (TRADEMARK)
STELLITE (TRADEMARK)
WASPALOY

COBALT COMPOUNDS
0603 1804
GS #COBALT COMPOUNDS

```
        .COBALT ACETATES
        .COBALT FLUORIDES
        .COBALT OXALATES
        .COBALT OXIDES
        .COHENITE
  RT % CHEMICAL COMPOUNDS
     % GROUP 8 COMPOUNDS
     % METAL COMPOUNDS

COBALT FLUORIDES
  0603 1804
  GS   COBALT COMPOUNDS
       #COBALT FLUORIDES
       HALOGEN COMPOUNDS
       .FLUORINE COMPOUNDS
       ..FLUORIDES
       ...METAL FLUORIDES
       ...#COBALT FLUORIDES

COBALT ISOTOPES
  2406
  GS   CHEMICAL ELEMENTS
       .COBALT
       .#COBALT ISOTOPES
       ...COBALT 58
       ...COBALT 60
       .NUCLIDES
       ..ISOTOPES
       ..#COBALT ISOTOPES
       ....COBALT 58
       ....COBALT 60
       METALS
       .TRANSITION METALS
       ..COBALT
       ..#COBALT ISOTOPES
       ....COBALT 58
       ....COBALT 60

COBALT OXALATES
  0603 1804
  GS   COBALT COMPOUNDS
       #COBALT OXALATES
       OXALATES
       #COBALT OXALATES

COBALT OXIDES
  0603 1804
  GS   CHALCOGENIDES
       .OXIDES
       ..METAL OXIDES
       ..#COBALT OXIDES
       COBALT COMPOUNDS
       #COBALT OXIDES

COBALT 58
  0603 1703 2406
  GS   CHEMICAL ELEMENTS
       .COBALT
       ..COBALT ISOTOPES
       ..#COBALT 58
       .NUCLIDES
       ..ISOTOPES
       ...COBALT ISOTOPES
       ...#COBALT 58
       ...RADIOACTIVE ISOTOPES
       ...#COBALT 58
       METALS
       .TRANSITION METALS
       ..COBALT
       ...COBALT ISOTOPES
       ...#COBALT 58

COBALT 60
  0603 2406
  GS   CHEMICAL ELEMENTS
       .COBALT
       ..COBALT ISOTOPES
       ..#COBALT 60
       .NUCLIDES
       ..ISOTOPES
       ...COBALT ISOTOPES
       ...#COBALT 60
       ...RADIOACTIVE ISOTOPES
       ...#COBALT 60
       METALS
       .TRANSITION METALS
       ..COBALT
       ...COBALT ISOTOPES
       ...#COBALT 60

COBE
  USE  COSMIC BACKGROUND EXPLORER
       SATELLITE

COBOL
  0802
  UF   COMMON BUSINESS ORIENTED LANGUAGE
  GS   LANGUAGES
       .PROGRAMMING LANGUAGES
       .#COBOL
  RT   FORTRAN
       PL/1

COBRA DANE (RADAR)
  0705
  GS   RADAR
       .SURVEILLANCE RADAR
       .#COBRA DANE (RADAR)
       .TRACKING RADAR
       .#COBRA DANE (RADAR)
  RT   ANTENNA ARRAYS
       EARLY WARNING SYSTEMS
       MISSILE TRAJECTORIES
       RADAR SIGNATURES

COCCOMYCES
  0404 0409
  GS   PLANTS (BOTANY)
       .FUNGI
       .#COCCOMYCES

COCHLEA
  0404
  GS   ANATOMY
       .SENSE ORGANS
       ..EAR
       ...LABYRINTH
       ...#COCHLEA
       .....CORTI ORGAN

COCK AIRCRAFT
  USE  AN-22 AIRCRAFT

COCKPIT SIMULATORS
  1107 1108 3501
  GS   SIMULATORS
       .TRAINING SIMULATORS
       ..FLIGHT SIMULATORS
       ..#COCKPIT SIMULATORS
  RT   SPACECRAFT CABIN SIMULATORS
       TRAINING DEVICES
       VIRTUAL REALITY

COCKPITS
  0202 0504 0506 3104
  RT   AIRCRAFT COMPARTMENTS
       CABIN ATMOSPHERES
     % CABINS
       CANOPIES
       EJECTION SEATS
       FLYING EJECTION SEATS
       FUSELAGES
       PRESSURIZED CABINS
       SPACE CAPSULES
       SPACECRAFT CABIN ATMOSPHERES
       SPACECRAFT CABINS
       WINDSHIELDS

COCKROACHES
  0402
  UF   BLATTIDAE
  GS   ANIMALS
       .INVERTEBRATES
       ..ARTHROPODS
       ...INSECTS
```

```
      ...#COCKROACHES

COCKS
  1504
  UF   STOPCOCKS
  GS   VALVES
       #COCKS
  RT   GAS VALVES
       HYDRAULIC EQUIPMENT

COD (CRACKS)
  USE  CRACK OPENING DISPLACEMENT

COD AIRCRAFT
  USE  C-2 AIRCRAFT

CODE DIVISION MULTIPLE ACCESS
  0703
  UF   CDMA
  GS   TELECOMMUNICATION
       .MULTIPLE ACCESS
       .#CODE DIVISION MULTIPLE ACCESS
       .RADIO COMMUNICATION
       ..RADIO RELAY SYSTEMS
       ..#CODE DIVISION MULTIPLE ACCESS
       TRANSMISSION
       .SIGNAL TRANSMISSION
       ..DATA TRANSMISSION
       ...MULTIPLE ACCESS
       ...#CODE DIVISION MULTIPLE ACCESS
  RT   ALOHA SYSTEM
       FREQUENCY DIVISION MULTIPLE ACCESS
       MULTICHANNEL COMMUNICATION
       MULTIPLEXING
       SATELLITE NETWORKS
       SWITCHING
       WIDEBAND COMMUNICATION

CODE DIVISION MULTIPLEXING
  0710
  GS   TRANSMISSION
       .MULTIPLEXING
       .#CODE DIVISION MULTIPLEXING
  RT   DATA TRANSMISSION
       DEMULTIPLEXING
       FREQUENCY DIVISION MULTIPLE ACCESS
       RADIO COMMUNICATION
       RADIO TRANSMISSION
       SATELLITE TRANSMISSION
       SIGNAL TRANSMISSION
       TELECOMMUNICATION
       WAVELENGTH DIVISION MULTIPLEXING

CODERS
  0701 0801
  UF   ENCODERS
  RT   ANALOG TO DIGITAL CONVERTERS
       CODING
       DECODERS
       PROGRAMMERS

% CODES
  0703 0802 3401 3405
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   BCH CODES
       BINARY CODES
       BITERNARY CODE
       CODING
       COLOR CODING
       CONCATENATED CODES
       CRYPTOGRAPHY
       DIGITS
       ERROR CORRECTING CODES
       ERROR DETECTION CODES
       MORSE CODE
       REED-SOLOMON CODES
       STANDARDS
       SYMBOLS
       TRELLIS CODING

CODING
  0503 0702 0703 0802
  UF   ENCODING
       NOTATION
  GS  #CODING
       .DECODING
       .REDUNDANCY ENCODING
       .SIGNAL ENCODING
       ..AMPLITUDE MODULATION
       ...QUADRATURE AMPLITUDE MODULATION
       ..FREQUENCY MODULATION
       ...FEEDBACK FREQUENCY MODULATION
       ...FM/PM (MODULATION)
       ...FREQUENCY SHIFT KEYING
       ...PULSE FREQUENCY MODULATION
       ..PHASE MODULATION
       ...FM/PM (MODULATION)
       ...PHASE SHIFT KEYING
       ....BINARY PHASE SHIFT KEYING
       ....QUADRATURE PHASE SHIFT KEYING
       ..PULSE MODULATION
       ...PULSE AMPLITUDE MODULATION
       ...PULSE CODE MODULATION
       ....DELTA MODULATION
       ....DIFFERENTIAL PULSE CODE
           MODULATION
       ...PULSE FREQUENCY MODULATION
       ...PULSE TIME MODULATION
       ....PULSE DURATION MODULATION
       ....PULSE POSITION MODULATION
       ..TRELLIS CODING
       .WISWESSER NOTATIONS
  RT   ADDRESSING
       ALPHABETS
       ANALOG TO DIGITAL CONVERTERS
       BCH CODES
       CODERS
    % CODES
       COLOR CODING
       COMPUTER PROGRAMMING
       COMPUTER PROGRAMS
       CONCATENATED CODES
       CRYPTOGRAPHY
       DATA TRANSMISSION
       DICTIONARIES
       DIGITAL TECHNIQUES
       ERROR DETECTION CODES
       IDENTIFYING
       INFORMATION THEORY
       LANGUAGES
       PARITY
       PULSE COMPRESSION
       REED-SOLOMON CODES
       SYMBOLIC PROGRAMMING
       SYMBOLS
       VECTOR QUANTIZATION
       VITERBI DECODERS

COEFFICIENT OF FRICTION
  1503 1703 1802 1805 2308 2401
  UF   FRICTION COEFFICIENT
  GS   COEFFICIENTS
       #COEFFICIENT OF FRICTION
       SURFACE PROPERTIES
       #COEFFICIENT OF FRICTION
  RT   FRICTION
       FRICTION FACTOR
       FRICTION REDUCTION
       KINETIC FRICTION
       SLIDING FRICTION
       STATIC FRICTION
       WEAR RESISTANCE

COEFFICIENTS
  1902 3406
  GS  #COEFFICIENTS
       .ACCOMMODATION COEFFICIENT
       .AERODYNAMIC COEFFICIENTS
       .ATTENUATION COEFFICIENTS
       .BINOMIAL COEFFICIENTS
       .CLEBSCH-GORDAN COEFFICIENTS
       .COEFFICIENT OF FRICTION
       .COHERENCE COEFFICIENT
```

```
        .CORRELATION COEFFICIENTS
        .COUPLING COEFFICIENTS
        .DIFFUSION COEFFICIENT
        ..SORET COEFFICIENT
        .FLOW COEFFICIENTS
        ..DISCHARGE COEFFICIENT
        .HEAT TRANSFER COEFFICIENTS
        .INFLUENCE COEFFICIENT
        ..STRUCTURAL INFLUENCE COEFFICIENTS
        .IONIZATION COEFFICIENTS
        .NOZZLE THRUST COEFFICIENTS
        .ONSAGER PHENOMENOLOGICAL
         COEFFICIENT
        .RECOMBINATION COEFFICIENT
        .REGRESSION COEFFICIENTS
        .SCATTERING COEFFICIENTS
        .VIRIAL COEFFICIENTS
        .WIGNER COEFFICIENT
  RT % CONSTANT
       CONSTANTS
       MECHANICAL PROPERTIES
       OPTICAL PROPERTIES
       POLYNOMIALS
       RACAH COEFFICIENT
       STATISTICAL ANALYSIS
     % WEIGHT

COENZYMES
  0403 1808
  GS   ORGANIC COMPOUNDS
       #COENZYMES
       ..ADENOSINE DIPHOSPHATE
       ..ADENOSINE TRIPHOSPHATE
       ..CYCLIC AMP
       ..GLUTATHIONE
       ..THIAMINE
  RT   ENZYMES

COERCIVITY
  2307 3408
  RT   MAGNETIC PROPERTIES
       MAGNETIZATION

COESITE
  1806 3005 1801 1805 1806
  GS   CHALCOGENIDES
       .OXIDES
       ..DIOXIDES
       ...SILICON DIOXIDE
       ....QUARTZ
       ....#COESITE
       ..SILICON OXIDES
       ...SILICON DIOXIDE
       ....QUARTZ
       ....#COESITE
       MINERALS
       .QUARTZ
       .#COESITE
       SILICON COMPOUNDS
       .SILICON OXIDES
       ..SILICON DIOXIDE
       ...QUARTZ
       ...#COESITE
  RT   EARTH CRUST
       EARTH MANTLE
       METEORITES
       RUTILE
       STISHOVITE
       STONY METEORITES
       TEKTITES

COFFEE
  0409 0505
  GS   FARM CROPS
       #COFFEE
  RT   BEVERAGES

COFFIN-MANSON LAW
  0408
  GS   LAWS
       #COFFIN-MANSON LAW
  RT   CRACK PROPAGATION
       FATIGUE LIFE
       FATIGUE TESTS
       METAL FATIGUE

COGENERATION
  3403
  RT   ELECTRIC GENERATORS
       ELECTRIC POWER PLANTS
       ENERGY CONVERSION
     % GENERATION
       HEAT GENERATION
     % POWER PLANTS
       SOLAR ENERGY CONVERSION
       THERMAL ENERGY
       WASTE ENERGY UTILIZATION

COGNITION
  0408 0410 0503 0506
  RT   ARTIFICIAL INTELLIGENCE
       COGNITIVE PSYCHOLOGY
       DECISION MAKING
       IDENTIFYING
       IFF SYSTEMS (IDENTIFICATION)
       INFORMATION PROCESSING (BIOLOGY)
       KNOWLEDGE REPRESENTATION
       PERCEPTION

COGNITIVE PSYCHOLOGY
  0410 0503 0506 0804 1902
  GS   PSYCHOLOGY
       #COGNITIVE PSYCHOLOGY
  RT   COGNITION
       INFORMATION PROCESSING (BIOLOGY)
       INTELLIGENCE
       MENTAL PERFORMANCE

COGO (PROGRAMMING LANGUAGE)
  0802
  UF   COORDINATE GEOMETRY LANGUAGE
  GS   LANGUAGES
       .PROGRAMMING LANGUAGES
       .#COGO (PROGRAMMING LANGUAGE)

COHENITE
  1804 1806
  GS   COBALT COMPOUNDS
       #COHENITE
       IRON COMPOUNDS
       #COHENITE
       MINERALS
       #COHENITE
       NICKEL COMPOUNDS
       #COHENITE

% COHERENCE
  0705 0710 1601 2306 2310 2402
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   COHERENT RADIATION
       COHERENT SCATTERING
       COHESION
       CONGRUENCES
       ELASTIC SCATTERING
       INTELLIGIBILITY
       LASER OUTPUTS
       LASERS
       MASER OUTPUTS
       PHASE COHERENCE
       WAVE DISPERSION
       WAVE PROPAGATION

COHERENCE COEFFICIENT
  2306 2310 2402
  GS   COEFFICIENTS
       #COHERENCE COEFFICIENT
  RT   COHERENT RADAR
       COHERENT RADIATION
     % INTERFERENCE
       NOISE PROPAGATION
       PHASE COHERENCE
       STOCHASTIC PROCESSES
```

```
COHERENT ACOUSTIC RADIATION
  2312
  GS    COHERENT RADIATION
        #COHERENT ACOUSTIC RADIATION
        ELASTIC WAVES
        #COHERENT ACOUSTIC RADIATION
  RT %  RADIATION
        ULTRASONIC RADIATION
        UNDERWATER ACOUSTICS

COHERENT ANTI-STOKES RAMAN SPECTROSCOPY
  USE   RAMAN SPECTROSCOPY

COHERENT ELECTROMAGNETIC RADIATION
  0710 2402 2903
  GS    COHERENT RADIATION
        #COHERENT ELECTROMAGNETIC RADIATION
        ..COHERENT LIGHT
        ..LASER BEAMS
        ELECTROMAGNETIC RADIATION
        #COHERENT ELECTROMAGNETIC RADIATION
        ..COHERENT LIGHT
        ..LASER BEAMS
  RT    BEAMS (RADIATION)
        HOLOGRAPHY
        INFRARED RADIATION
        INTERSTELLAR MASERS
        IONIZING RADIATION
        KRYPTON FLUORIDE LASERS
        LASERS
        LIGHT (VISIBLE RADIATION)
        MASERS
        MODULATED CONTINUOUS RADIATION
        MONOCHROMATIC RADIATION
      % RADIATION
        RADIO WAVES
        SQUEEZED STATES (QUANTUM THEORY)
        STIMULATED EMISSION
        STIMULATED EMISSION DEVICES
        TRAVELING WAVE MASERS
        ULTRAVIOLET RADIATION

COHERENT LIGHT
  1601 2306 2310 2402 3009
  GS    COHERENT RADIATION
        .COHERENT ELECTROMAGNETIC RADIATION
        .#COHERENT LIGHT
        ELECTROMAGNETIC RADIATION
        .COHERENT ELECTROMAGNETIC RADIATION
        .#COHERENT LIGHT
        .LIGHT (VISIBLE RADIATION)
        .#COHERENT LIGHT
  RT    FOUR-WAVE MIXING
        GAMMA RAY LASERS
        HCN LASERS
        HOLOGRAPHIC INTERFEROMETRY
        HOLOGRAPHY
        LASER OUTPUTS
        LASERS
        MONOCHROMATIC RADIATION
        NEODYMIUM LASERS
        OPTICAL COMPUTERS
        OPTICAL MEMORY (DATA STORAGE)
        PHASE COHERENCE
        PLASMADYNAMIC LASERS
        RARE GAS-HALIDE LASERS
        SCATTER PLATES (OPTICS)
        SHIVA LASER SYSTEM
        SPECKLE HOLOGRAPHY
        SQUEEZED STATES (QUANTUM THEORY)
        STIMULATED EMISSION
        TWO-WAVELENGTH LASERS
        ULTRAVIOLET LASERS

COHERENT RADAR
  0705 1601 2310 2402
  GS    RADAR
        #COHERENT RADAR
  RT    COHERENCE COEFFICIENT
        CONTINUOUS WAVE RADAR
        DOPPLER RADAR
        MOVING TARGET INDICATORS
        PULSE DOPPLER RADAR
        PULSE RADAR
        RADAR DETECTION
        SEARCH RADAR
        SURVEILLANCE RADAR
        TRACKING RADAR

COHERENT RADIATION
  0705 0710 1601 2306 2310 2402 2903
  UF    COHERENT SOURCES
        COHERENT TRANSMISSION
  GS   #COHERENT RADIATION
        .COHERENT ACOUSTIC RADIATION
        .COHERENT ELECTROMAGNETIC RADIATION
        ..COHERENT LIGHT
        ..LASER BEAMS
  RT    BEAMS (RADIATION)
      % COHERENCE
        COHERENCE COEFFICIENT
        CONTINUOUS RADIATION
        CORPUSCULAR RADIATION
        ELASTIC WAVES
        ELECTROMAGNETIC RADIATION
        LIGHT (VISIBLE RADIATION)
        OPTICAL PROPERTIES
      % RADIATION
      % RAYS
        WAVE PROPAGATION

COHERENT SCATTERING
  2402 2403
  GS    SCATTERING
        #COHERENT SCATTERING
  RT %  COHERENCE
        COMPTON EFFECT
        ELASTIC SCATTERING
        INCOHERENT SCATTERING
        INELASTIC SCATTERING
        NUCLEAR SCATTERING

COHERENT SOURCES
  USE   COHERENT RADIATION
        RADIATION SOURCES

COHERENT TRANSMISSION
  USE   COHERENT RADIATION

COHESION
  0603 2401 2404
  RT    AGGLUTINATION
        BONDING
      % COHERENCE
        INTERNAL FRICTION
        INTERNAL PRESSURE
        PLASTIC PROPERTIES
        SPREADING

COHOMOLOGY
  USE   HOMOLOGY

% COILS
  0904 1504 3203
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    ELECTRIC COILS
        INDUCTORS
        MAGNET COILS
        MAGNETIC COILS
        SPRINGS (ELASTIC)
        TOROIDS
        WIRE

COIN AIRCRAFT
  0207
  UF    LARA AIRCRAFT
        LIGHT ARMED RECONNAISSANCE AIRCRAFT
  GS   #COIN AIRCRAFT
        .F-5 AIRCRAFT
        .OV-10 AIRCRAFT
  RT %  AIRCRAFT
        LIGHT INTRATHEATER TRANSPORT
```

```
COINCIDENCE CIRCUITS
  0902 0905 1002 1410
  GS   CIRCUITS
       #COINCIDENCE CIRCUITS
  RT   GATES (CIRCUITS)
       RADIATION COUNTERS
       SYNCHRONISM

COINING
  1504 1704
  GS   FORMING TECHNIQUES
       .PRESSING (FORMING)
       .#COINING
       METAL WORKING
       #COINING
  RT   COLD PRESSING
       COLD WORKING
       DIES
       FORGING
       HOT ISOSTATIC PRESSING
       HOT PRESSING
       SIZING (SHAPING)
       STAMPING

COKE
  1805
  GS   FUELS
       #COKE
  RT   BITUMENS
       CARBON
       CHARCOAL
       COAL
       LIGNITE

COKE AIRCRAFT
  USE  AN-24 AIRCRAFT

COLCHICINE
  0403 1808
  GS   BASES (CHEMICAL)
       .ALKALOIDS
       .#COLCHICINE
       NITROGEN COMPOUNDS
       .ALKALOIDS
       .#COLCHICINE
       ORGANIC COMPOUNDS
       .CYCLIC COMPOUNDS
       ..CYCLIC HYDROCARBONS
       ..#COLCHICINE
       ..HETEROCYCLIC COMPOUNDS
       ...ALKALOIDS
       ...#COLCHICINE
       .HYDROCARBONS
       ..CYCLIC HYDROCARBONS
       ..#COLCHICINE

COLD ACCLIMATIZATION
  0404 0408
  GS   ADAPTATION
       .ACCLIMATIZATION
       .#COLD ACCLIMATIZATION
  RT   HEAT ACCLIMATIZATION
       SUBZERO TEMPERATURE

COLD BLOODED ANIMALS
  USE  POIKILOTHERMIA

COLD BOKKEVELD METEORITE
  3005
  GS   CELESTIAL BODIES
       .METEORITES
       ..STONY METEORITES
       ...CARBONACEOUS METEORITES
       ....CARBONACEOUS CHONDRITES
       ....#COLD BOKKEVELD METEORITE
       ...CHONDRITES
       ....CARBONACEOUS CHONDRITES
       ....#COLD BOKKEVELD METEORITE

COLD CATHODE TUBES
  0903 0905
  GS   ELECTRON TUBES
       #COLD CATHODE TUBES
       ..PHOTOTUBES
       ...PHOTOMULTIPLIER TUBES
       ....FREQUENCY MODULATION
           PHOTOMULTIPLIERS
  RT   CATHODES
       ELECTRODES
       GAS DISCHARGES
     % GAS TUBES
       TUBE CATHODES
       TUNNEL CATHODES

COLD CATHODES
  0905
  GS   ELECTRODES
       .CATHODES
       ..TUBE CATHODES
       ..#COLD CATHODES
  RT   GAS DISCHARGES
       TUNNEL CATHODES

COLD DRAWING
  1704
  RT   DEEP DRAWING
     % DRAWING
       METAL DRAWING

COLD FLOW TESTS
  1108 2804 3501
  SN   (EXCLUDES MECHANICAL CREEP, TESTS)
  GS   ENGINE TESTS
       #COLD FLOW TESTS
       GROUND TESTS
       #COLD FLOW TESTS
  RT   CHECKOUT
       FEED SYSTEMS
       PLASTIC PROPERTIES
       PRELAUNCH TESTS
       PROPELLANT TESTS
       PROPULSION SYSTEM PERFORMANCE
       ROCKET ENGINE DESIGN
       STATIC TESTS
     % TESTS

COLD FORMING
  USE  COLD WORKING

COLD FRONTS
  2003 2006
  GS   FRONTS (METEOROLOGY)
       #COLD FRONTS
  RT   AIR MASSES
     % FRONTS
       METEOROLOGICAL PARAMETERS
       METEOROLOGY
       STORMS
       SYNOPTIC METEOROLOGY
       THUNDERSTORMS
       TORNADOES
       WARM FRONTS
       WEATHER FORECASTING

COLD GAS
  0603 1203 3304 3501
  GS   GASES
       #COLD GAS
  RT   ATTITUDE CONTROL
       GAS JETS
       JET THRUST

COLD HARDENING
  1704
  SN   (LIMITED TO HARDENING OF MATERIALS
       BY COOLING TO VERY LOW
       TEMPERATURES-- EXCLUDES
       PRECIPITATION HARDENING AT OR NEAR
       ROOM TEMPERATURE AND HARDENING VIA
       COLD WORKING)
  GS   HARDENING (MATERIALS)
       #COLD HARDENING
  RT   BRITTLENESS
       HARDNESS
       PHASE TRANSFORMATIONS
```

```
        PRECIPITATION HARDENING
        WORK HARDENING

COLD NEUTRONS
  2403
  GS    PARTICLES
        .ELEMENTARY PARTICLES
        ..FERMIONS
        ...NEUTRONS
        ...#COLD NEUTRONS
        .NEUTRAL PARTICLES
        ..NEUTRONS
        ..#COLD NEUTRONS
  RT    BARYONS

COLD PLASMAS
  2502
  UF    LOW TEMPERATURE PLASMAS
  GS    PARTICLES
        .CHARGED PARTICLES
        ..ENERGETIC PARTICLES
        ...PLASMAS (PHYSICS)
        ...#COLD PLASMAS
  RT    COLLISIONLESS PLASMAS
        RAREFIED PLASMAS

COLD PRESSING
  1704
  RT    COINING
        COMPACTING
        HOT ISOSTATIC PRESSING
        HOT PRESSING
        METAL WORKING
      % PRESSING
        PRESSING (FORMING)
        UPSETTING

COLD ROLLING
  1704
  GS    FORMING TECHNIQUES
        .COLD WORKING
        .#COLD ROLLING
  RT    METAL WORKING

COLD STRENGTH
  1704 3203
  GS    MECHANICAL PROPERTIES
        #COLD STRENGTH
  RT    HIGH TEMPERATURE TESTS
        LOW TEMPERATURE ENVIRONMENTS
        LOW TEMPERATURE TESTS
      % STRENGTH

COLD SURFACES
  3203 3303
  UF    COLD WALLS
  RT    CRYOGENIC FLUID STORAGE
      % SURFACES

COLD TOLERANCE
  0408
  GS    TOLERANCES (PHYSIOLOGY)
        #COLD TOLERANCE
  RT    BODY TEMPERATURE
        EXPOSURE
        FROSTBITE
        HEAT TOLERANCE
        HOMEOSTASIS
        SUBZERO TEMPERATURE
        THERMOREGULATION
        VASOCONSTRICTION

COLD TRAPS
  1406 1506 2303
  GS    TRAPS
        #COLD TRAPS
  RT    CONDENSERS (LIQUEFIERS)
        CRYOGENIC TEMPERATURE
        CRYOGENICS
        CRYOTRAPPING
        FREEZING
        REFRIGERATING
        VACUUM APPARATUS
        VAPOR TRAPS

COLD WALLS
  USE   COLD SURFACES
        WALLS

COLD WATER
  0603 3304
  GS    WATER
        #COLD WATER
  RT    POTABLE WATER

COLD WEATHER
  0508 2001 2003
  GS    WEATHER
        #COLD WEATHER
  RT    FROST DAMAGE
        LOW TEMPERATURE ENVIRONMENTS
        PRESSURE ICE
        SNOW COVER
        SUBZERO TEMPERATURE
        WEATHERPROOFING
        WINTER

COLD WEATHER TESTS
  1108 1505 3305 3501
  GS    ENVIRONMENTAL TESTS
        #COLD WEATHER TESTS
  RT    HIGH TEMPERATURE TESTS
        LOW TEMPERATURE TESTS
      % TESTS

COLD WELDING
  0603 2311
  GS    WELDING
        .PRESSURE WELDING
        .#COLD WELDING
  RT    ADHESION
        BONDING
        HIGH VACUUM
        VACUUM EFFECTS

COLD WORKING
  1704
  UF    COLD FORMING
  GS    FORMING TECHNIQUES
        #COLD WORKING
        ..COLD ROLLING
        ..ELECTROHYDRAULIC FORMING
        ..EXPLOSIVE FORMING
  RT    CLADDING
        COINING
        DEEP DRAWING
        EXTRUDING
        FORGING
      % JOINING
        MAGNETIC FORMING
        METAL DRAWING
        METAL SPINNING
        METAL WORKING
        PEENING
        ROLL FORMING
        SHEARING
        SHOT PEENING
        STAMPING
        STRETCH FORMING
        STRETCHING
        SWAGING
        TEMPER (METALLURGY)
        UPSETTING
        WINDING

COLEOPTERA
  0402
  GS    ANIMALS
        .INVERTEBRATES
        ..ARTHROPODS
        ...INSECTS
        ...#COLEOPTERA
        .....BEETLES
        ......TRIBOLIA
        .....BOLL WEEVILS
```

```
COLIC
  0405
  GS   DISEASES
       #COLIC
  RT   GASTROINTESTINAL SYSTEM
       INTESTINES

COLLAGENS
  0403 0404
  GS   ANATOMY
       .MUSCULOSKELETAL SYSTEM
       ..CONNECTIVE TISSUE
       ..#COLLAGENS
  RT   BONE MINERAL CONTENT
       GELATINS
       LEATHER
       PROTEINS
       SKIN (ANATOMY)

COLLAPSE
  3203
  RT   BUCKLING
       DEFORMATION
       FAILURE
       STRUCTURAL FAILURE

COLLATING
  0803 3407
  RT   BINDING
       COMPILERS
       CORRELATION
       INSERTION
       POSITION (LOCATION)
       POSITIONING

COLLECTION
  3407
  RT   ACCUMULATIONS
       ACQUISITION
       ASSEMBLING
       INPUT
       LUMPING
       MUSEUMS
     % RECEIVING
       SAMPLING
       SELECTION
       STOCKPILING

COLLECTORS
  USE  ACCUMULATORS

COLLEGES
  USE  UNIVERSITIES

COLLIMATION
  2306 2310 2402 2403
  GS   #COLLIMATION
       .BEAMFORMING
  RT   ADJUSTING
       ALIGNMENT
       DIRECTIVITY
       FOUR-WAVE MIXING
       MICROBEAMS
     % ORIENTATION
       POLARIZATION (WAVES)

COLLIMATORS
  1411 2310
  UF   AUTOCOLLIMATORS
  GS   OPTICAL EQUIPMENT
       #COLLIMATORS
  RT   BEAM WAVEGUIDES
       MIRRORS
       OPTICAL MEASUREMENT

COLLINEARITY
  1902
  GS   ANALYSIS (MATHEMATICS)
       .CALCULUS
       ..VECTOR ANALYSIS
       ..#COLLINEARITY
       .REAL VARIABLES
       ..VECTOR ANALYSIS
       ..#COLLINEARITY
       GEOMETRY
       .VECTOR ANALYSIS
       .#COLLINEARITY
       LINEARITY
       #COLLINEARITY

COLLISION AVOIDANCE
  0203 1402 2101
  UF   COLLISION WARNING DEVICES
  GS   AVOIDANCE
       #COLLISION AVOIDANCE
       ..BEACON COLLISION AVOIDANCE SYSTEM
  RT   AIR NAVIGATION
       AIR TRAFFIC
       AIR TRAFFIC CONTROL
       AIRCRAFT APPROACH SPACING
       AIRCRAFT GUIDANCE
       AIRCRAFT SAFETY
       AIRSPACE
       APPROACH CONTROL
       AUTOMATIC TRAFFIC ADVISORY AND
       RESOLUTION
       COLLISIONS
       FLIGHT PATHS
       FLIGHT RULES
       FLIGHT SAFETY
       MIDAIR COLLISIONS
       NATIONAL AIRSPACE UTILIZATION
       SYSTEM
       RADAR
       RADAR NAVIGATION
       RADIO NAVIGATION
       THREAT EVALUATION
       TRAFFIC CONTROL
       VISUAL FLIGHT
       WARNING
       WARNING SYSTEMS

COLLISION PARAMETERS
  1203 1904 2401 2404 2405 2502 3009
  3501
  GS   RATES (PER TIME)
       #COLLISION PARAMETERS
       ..COLLISION RATES
  RT % ABSORPTION
       BEAM INTERACTIONS
     % CROSS SECTIONS
       MEAN FREE PATH
       NUCLEAR INTERACTIONS
       PARTICLE INTERACTIONS
       PARTICLE THEORY
       SCATTERING

COLLISION RATES
  2401 2403 2404
  GS   RATES (PER TIME)
       .COLLISION PARAMETERS
       .#COLLISION RATES

COLLISION WARNING DEVICES
  USE  COLLISION AVOIDANCE
       WARNING SYSTEMS

COLLISIONAL PLASMAS
  1203 2202 2403
  GS   PARTICLES
       .CHARGED PARTICLES
       ..ENERGETIC PARTICLES
       ...PLASMAS (PHYSICS)
       ...#COLLISIONAL PLASMAS
       .....STRONGLY COUPLED PLASMAS
  RT   ELECTRON RUNAWAY (PLASMA PHYSICS)
       HIGH TEMPERATURE PLASMAS
       NUCLEAR FUSION
       PLASMA CONDUCTIVITY
       PLASMA DENSITY
       PLASMA WAVES

COLLISIONLESS PLASMAS
  2502
```

GS PARTICLES
.CHARGED PARTICLES
..ENERGETIC PARTICLES
...PLASMAS (PHYSICS)
...#COLLISIONLESS PLASMAS
RT COLD PLASMAS
IONIC WAVES
KELVIN-HELMHOLTZ INSTABILITY
LOW DENSITY RESEARCH
RAREFIED PLASMAS

COLLISIONS
2308 2401 2405 2502 3009
GS #COLLISIONS
.ATOMIC COLLISIONS
.COULOMB COLLISIONS
.INELASTIC COLLISIONS
.IONIC COLLISIONS
.METEORITE COLLISIONS
.MIDAIR COLLISIONS
..BIRD-AIRCRAFT COLLISIONS
.MOLECULAR COLLISIONS
.PARTICLE COLLISIONS
RT AIR BAG RESTRAINT DEVICES
AIR TRAFFIC CONTROL
AIRCRAFT ACCIDENTS
AIRCRAFT HAZARDS
AIRCRAFT SAFETY
COLLISION AVOIDANCE
CRASHES
FLIGHT HAZARDS
FLIGHT PATHS
GAS ATOMIZATION
PILOT ERROR
RECOILINGS
SCATTERING

COLLOCATION
1902 3405 3407
RT ASSEMBLIES
% ASSEMBLY
CONGRUENCES
POSITION (LOCATION)
POSITIONING

COLLOIDAL GENERATORS
0302 0604 1202
RT ATOMIZING
DISPERSIONS
% GENERATORS
PLASMA DIFFUSION
PLASMA GENERATORS
SPRAYERS
VAPORIZERS

COLLOIDAL PROPELLANTS
2702 2804 2809
UF CORDITE
GS MIXTURES
.DISPERSIONS
..COLLOIDS
..#COLLOIDAL PROPELLANTS
PROPELLANTS
#COLLOIDAL PROPELLANTS
RT GELLED PROPELLANTS
SLURRY PROPELLANTS
SOLID PROPELLANTS
SOLID SUSPENSIONS

COLLOIDING
0603
UF LYOPHILIZATION
GS MIXING
#COLLOIDING
RT AGITATION
ATOMIZING
COLLOIDS
COMMINUTION
COMPOUNDING
DISPERSING
FLOCCULATING
GELATION
HOMOGENIZING
PRECIPITATION (CHEMISTRY)
SUSPENDING (MIXING)

COLLOIDS
0603
UF LYOPHILS
GS MIXTURES
.DISPERSIONS
.#COLLOIDS
...AEROSOLS
....FOG
...COLLOIDAL PROPELLANTS
RT BROWNIAN MOVEMENTS
CLAYS
COLLOIDING
ELECTRODIALYSIS
ELECTROPHORESIS
EMULSIONS
FOAMS
GELS
HOMEOSTASIS
NONNEWTONIAN FLUIDS
PARTICLES
PLASTISOLS
% SEPARATION

COLOMBIA
1305
GS NATIONS
#COLOMBIA
RT LLANOS ORIENTALES (COLOMBIA)
MAGDALENA-CAUCA VALLEY (COLOMBIA)
SOUTH AMERICA

COLONIES
0404
RT BACTERIA
BACTERIOLOGY

COLOR
1411 2306 2310
UF COLORATION
GS ELECTROMAGNETIC PROPERTIES
.OPTICAL PROPERTIES
.#COLOR
...IRIDESCENCE
...WATER COLOR
RT BRIGHTNESS
COLORIMETRY
CONTRAST
DARKNESS
DICHROISM
DISCOLORATION
ELECTROCHROMISM
FADING
HUMAN FACTORS ENGINEERING
INCANDESCENCE
ISOCHROMATICS
LIGHT (VISIBLE RADIATION)
PERCEPTION
PHOTOTROPISM
% PHYSICAL PROPERTIES
PREWHITENING
SPECTRA
SURFACE PROPERTIES
SYMBOLS
THERMOCHROMATIC MATERIALS
VEGETATIVE INDEX
VISIBILITY
VISION
WAVE DISPERSION

COLOR (PARTICLE PHYSICS)
USE QUANTUM CHROMODYNAMICS

COLOR CENTERS
0408 0601 0604 2601
UF F CENTERS
RT % CENTERS
FRANCK-CONDON PRINCIPLE

COLOR CODING

```
  0503
  UF   COLOR ENHANCEMENT
  RT % CODES
       CODING

COLOR ENHANCEMENT
  USE  COLOR CODING

COLOR INFRARED PHOTOGRAPHY
  1401
  GS   IMAGERY
       .INFRARED PHOTOGRAPHY
       .#COLOR INFRARED PHOTOGRAPHY
       PHOTOGRAPHY
       .MULTISPECTRAL PHOTOGRAPHY
       ..INFRARED PHOTOGRAPHY
       ..#COLOR INFRARED PHOTOGRAPHY
  RT   COLOR PHOTOGRAPHY
       INFRARED IMAGERY

COLOR PERCEPTION
  USE  COLOR VISION

COLOR PHOTOGRAPHY
  1407
  GS   IMAGERY
       #COLOR PHOTOGRAPHY
       PHOTOGRAPHY
       #COLOR PHOTOGRAPHY
  RT   AERIAL PHOTOGRAPHY
       BLACK AND WHITE PHOTOGRAPHY
       CINEMATOGRAPHY
       COLOR INFRARED PHOTOGRAPHY
       ORTHOPHOTOGRAPHY
       PHOTOCHROMISM
       PHOTOMAPPING
       SHADOWGRAPH PHOTOGRAPHY
       STEREOPHOTOGRAPHY
       ULTRAVIOLET PHOTOGRAPHY
       UNDERWATER PHOTOGRAPHY

COLOR TELEVISION
  0702
  GS   TELECOMMUNICATION
       #COLOR TELEVISION
       TELEVISION SYSTEMS
       #COLOR TELEVISION
  RT   CLOSED CIRCUIT TELEVISION
       COMMUNICATING
       COMMUNICATION EQUIPMENT
       EDUCATIONAL TELEVISION
       SATELLITE TELEVISION
       SPACECRAFT TELEVISION
       STEREOTELEVISION
       TELEVISION RECEPTION
       TELEVISION TRANSMISSION

COLOR VISION
  0404 0408
  UF   COLOR PERCEPTION
  GS   VISION
       #COLOR VISION
  RT   EYE (ANATOMY)
       YOUNG-HELMHOLTZ THEORY

COLOR-COLOR DIAGRAM
  3001 3002
  GS   DIAGRAMS
       #COLOR-COLOR DIAGRAM
  RT   COLOR-MAGNITUDE DIAGRAM
       HERTZSPRUNG-RUSSELL DIAGRAM
       STELLAR COLOR
       STELLAR SPECTRA
       STELLAR SPECTROPHOTOMETRY
       UBV SPECTRA

COLOR-MAGNITUDE DIAGRAM
  3001 3002
  UF   C-M DIAGRAM
  GS   DIAGRAMS
       #COLOR-MAGNITUDE DIAGRAM
  RT   ASYMPTOTIC GIANT BRANCH STARS
       COLOR-COLOR DIAGRAM
       GLOBULAR CLUSTERS
       HERTZSPRUNG-RUSSELL DIAGRAM
       HORIZONTAL BRANCH STARS
       MAIN SEQUENCE STARS
       STAR CLUSTERS
       STELLAR COLOR
       STELLAR EVOLUTION
       STELLAR MAGNITUDE

COLORADO
  1305
  GS   NATIONS
       .UNITED STATES
       .#COLORADO
  RT   COLORADO PLATEAU (US)
       COLORADO RIVER (NORTH AMERICA)
       MANITOU (CO)
       PIKE'S PEAK (CO)
       SAN JUAN MOUNTAINS (CO)

COLORADO PLATEAU (US)
  1305
  GS   LAND
       #COLORADO PLATEAU (US)
       LANDFORMS
       .TERRACES (LANDFORMS)
       ..PLATEAUS
       ..#COLORADO PLATEAU (US)
  RT   ARIZONA
       COLORADO
       HIGHLANDS
       NEW MEXICO
       UTAH

COLORADO RIVER (NORTH AMERICA)
  1305
  GS   RIVERS
       #COLORADO RIVER (NORTH AMERICA)
  RT   ARIZONA
       COLORADO
       MEXICO
       UTAH

COLORATION
  USE  COLOR

COLORIMETRY
  1406 1411 2306 2310
  GS   OPTICAL MEASUREMENT
       #COLORIMETRY
  RT   CHEMICAL ANALYSIS
       CHROMATOGRAPHY
       COASTAL ZONE COLOR SCANNER
       COLOR
       ELECTROPHOTOMETRY
       LIQUID CHROMATOGRAPHY
       OCEAN COLOR SCANNER
       OPTICAL MEASURING INSTRUMENTS
       PHOTOMETRY
       SPECTROPHOTOMETRY
       SPECTROSCOPY
       THERMOCHROMATIC MATERIALS

COLS
  USE  GAPS (GEOLOGY)

COLUMBIA (ORBITER)
  3107 0205
  UF   SPACE SHUTTLE ORBITER 102
  GS   MANNED SPACECRAFT
       .SPACE SHUTTLE ORBITERS
       .#COLUMBIA (ORBITER)
       REENTRY VEHICLES
       .RECOVERABLE SPACECRAFT
       ..REUSABLE SPACECRAFT
       ...SPACE SHUTTLE ORBITERS
       ...#COLUMBIA (ORBITER)
  RT   MANNED SPACE FLIGHT
       SPACE SHUTTLE MISSION 31-A
       SPACE SHUTTLE MISSION 41-A
       SPACE SHUTTLE MISSION 61-A
       SPACE SHUTTLE MISSION 61-C
```

```
      SPACE SHUTTLE MISSION 61-E
    % SPACECRAFT

COLUMBIA RIVER BASIN (ID-OR-WA)
  1306 1308
  GS   LANDFORMS
       .STRUCTURAL BASINS
       ..RIVER BASINS
       ..#COLUMBIA RIVER BASIN (ID-OR-WA)
  RT   IDAHO
       OREGON
       RIVERS
       WASHINGTON

COLUMBIUM
  USE  NIOBIUM

COLUMBUS SPACE STATION
  3104 3109
  GS   ARTIFICIAL SATELLITES
       .SPACE STATIONS
       .#COLUMBUS SPACE STATION
       ESA SPACECRAFT
       #COLUMBUS SPACE STATION
       MANNED SPACECRAFT
       #COLUMBUS SPACE STATION
       SPACE PLATFORMS
       #COLUMBUS SPACE STATION
       STATIONS
       .SPACE STATIONS
       .#COLUMBUS SPACE STATION
  RT   AEPS
       BIOASTRONAUTICS
       FERRY SPACECRAFT
       INTRAORBIT TRANSFER VEHICLES
       LARGE SPACE STRUCTURES
       MAN TENDED FREE FLYERS
       MANNED ORBITAL LABORATORIES
       MILITARY SPACECRAFT
       ORBITAL SERVICING
       RENDEZVOUS SPACECRAFT
       SHAPE CONTROL
       SPACE SHUTTLES
       SPACE STATION FREEDOM
       SPACE STATION POLAR PLATFORMS

% COLUMNS
  3203
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   COLUMNS (PROCESS ENGINEERING)
       COLUMNS (SUPPORTS)

COLUMNS (PROCESS ENGINEERING)
  3404
  RT   ABSORBERS (EQUIPMENT)
       CHEMICAL REACTORS
     % COLUMNS
       CONCENTRATORS
       CONDENSERS (LIQUEFIERS)
       CONTACTORS
       CONTRACTORS
       DEHYDRATION
       DEHYDROGENATION
       DISTILLATION EQUIPMENT
       DRYING APPARATUS
       EXTRACTION
       SCRUBBERS
       SEPARATORS
       VAPORIZERS

COLUMNS (SUPPORTS)
  3203
  GS   STRUCTURAL MEMBERS
       #COLUMNS (SUPPORTS)
       ..TAPERED COLUMNS
  RT   BEAMS (SUPPORTS)
     % COLUMNS
       PYLON MOUNTING
       PYLONS
       STRUTS
       STUDS (STRUCTURAL MEMBERS)
       TIMOSHENKO BEAMS
       TOWERS

% COMA
  0404 0408 2310 3001
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   ABERRATION
       BLACKOUT (PHYSIOLOGY)
       BLACKOUT PREVENTION
       COMET HEADS
       COMET NUCLEI
       COMET TAILS
       COMETARY ATMOSPHERES
       COMETS
       GRIGG-SKJELLERUP COMET
       KOHOUTEK COMET
       SCREEN EFFECT
       TEMPEL 2 COMET
       UNCONSCIOUSNESS

COMBAT
  3401
  GS   MILITARY OPERATIONS
       #COMBAT
       WARFARE
       #COMBAT
  RT   AIRCRAFT SURVIVABILITY
       B-1 AIRCRAFT
       ELECTRONIC WARFARE

% COMBINATION
  1902 3406
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   ADMIXTURES
       CONSOLIDATION
       MIXTURES
       PERMUTATIONS

COMBINATIONS (MATHEMATICS)
  1902
  GS   ANALYSIS (MATHEMATICS)
       .COMBINATORIAL ANALYSIS
       .#COMBINATIONS (MATHEMATICS)
  RT   PARTITIONS (MATHEMATICS)
       PERMUTATIONS

COMBINATORIAL ANALYSIS
  1902 1903
  GS   ANALYSIS (MATHEMATICS)
       #COMBINATORIAL ANALYSIS
       ..BINOMIAL COEFFICIENTS
       ..COMBINATIONS (MATHEMATICS)
       ..FACTORIALS
       ..PARTITIONS (MATHEMATICS)
       ..PERMUTATIONS
  RT % ANALYZING
     % APPLICATIONS OF MATHEMATICS
       GRAPH THEORY
       INFORMATION THEORY
       NUMBER THEORY
       PROBABILITY THEORY
       SET THEORY

COMBINED CYCLE POWER GENERATION
  0904
  RT   ELECTRIC GENERATORS
       ELECTRIC POWER PLANTS
       ENERGY TECHNOLOGY
       GAS TURBINES
       STEAM TURBINES

COMBINED RELEASE AND RADIATION EFFECTS SAT
  USE  CRRES (SATELLITE)

COMBINED STRESS
  3203
  GS   STRESSES
       #COMBINED STRESS
```

```
  RT   FATIGUE LIFE
       STRESS ANALYSIS
       STRESS CONCENTRATION
       STRESS INTENSITY FACTORS

COMBUSTIBILITY
  USE  FLAMMABILITY

COMBUSTIBLE FLOW
  1203 3301 3501
  GS   FLUID FLOW
       .REACTING FLOW
       .#COMBUSTIBLE FLOW
  RT   BOUNDARY LAYER COMBUSTION
       COMBUSTION PHYSICS
       COMBUSTION PRODUCTS
       DETONATION WAVES
       DUMP COMBUSTORS
       FLAME PROPAGATION
       FUEL FLOW
       TURBULENT COMBUSTION
       TURBULENT FLOW

COMBUSTION
  3301
  UF   BURNING
       BURNING PROCESS
  GS  #COMBUSTION
       .AFTERBURNING
       .BOUNDARY LAYER COMBUSTION
       .DEFLAGRATION
       .EROSIVE BURNING
       .FUEL COMBUSTION
       ..NUCLEAR FUEL BURNUP
       .HYDROCARBON COMBUSTION
       .HYPERSONIC COMBUSTION
       .METAL COMBUSTION
       .PROPELLANT COMBUSTION
       ..SOLID PROPELLANT COMBUSTION
       ...SOLID PROPELLANT IGNITION
       .SPONTANEOUS COMBUSTION
       .SUPERSONIC COMBUSTION
       .TURBULENT COMBUSTION
  RT   BACKFIRE
       BURNING RATE
       BURNING TIME
       BURNOUT
       CHARRING
       CHEMICAL EXPLOSIONS
       COMBUSTION CHAMBERS
       COMBUSTION CHEMISTRY
       COMBUSTION CONTROL
       COMBUSTION EFFICIENCY
       COMBUSTION PHYSICS
       COMBUSTION PRODUCTS
       COMBUSTION STABILITY
       COMBUSTION SYNTHESIS
       COMBUSTION TEMPERATURE
       COMBUSTION VIBRATION
       DETONATION
       DIFFUSION FLAMES
       EXOTHERMIC REACTIONS
       EXPLOSIONS
       EXTINGUISHING
       FIRE DAMAGE
       FIREBREAKS
       FIRES
       FLAME PROPAGATION
       FLAMEOUT
       FLAMES
       FLAMMABILITY
       FLASHBACK
       FOREST FIRES
       HEAT BALANCE
       HEAT GENERATION
       IGNITION
       IGNITION LIMITS
       INCENDIARY AMMUNITION
       INTERNAL COMBUSTION ENGINES
       OXIDATION
     % PHYSICS
       QUENCHING (COOLING)
       SPARK IGNITION
       SUPERSONIC COMBUSTION RAMJET
       ENGINES

COMBUSTION CHAMBERS
  0602 2801 2805 2808 3301
  UF   COMBUSTORS
  GS  #COMBUSTION CHAMBERS
       .DUMP COMBUSTORS
  RT   BURNERS
     % CHAMBERS
       COMBUSTION
       ENGINE PARTS
       ENGINES
       FLAME HOLDERS
       FLAMEOUT
       FURNACES
       INTERNAL COMBUSTION ENGINES
       JET ENGINES
       PISTONS
       REFRACTORIES
       SPARK PLUGS
       THRUST CHAMBERS

COMBUSTION CHEMISTRY
  0602 3301
  GS   THERMOCHEMISTRY
       #COMBUSTION CHEMISTRY
  RT   CHEMICAL ENGINEERING
       CHEMICAL REACTIONS
     % CHEMISTRY
       COMBUSTION
       COMBUSTION PHYSICS
       COMBUSTION PRODUCTS
       COMBUSTION STABILITY
       COMBUSTION SYNTHESIS
       EXOTHERMIC REACTIONS
       FLAME TEMPERATURE
       OXIDATION
       REACTING FLOW
       REACTION KINETICS

COMBUSTION CONTROL
  2801 2805 2808 3301
  RT   AUTOMATIC CONTROL
       BURNING RATE
       COMBUSTION
     % CONTROL
       ENGINE CONTROL
       FUEL CONTROL
     % REACTION CONTROL
       TEMPERATURE CONTROL

COMBUSTION EFFICIENCY
  0603 2203 2701 2702 3301
  GS   EFFICIENCY
       #COMBUSTION EFFICIENCY
  RT   ACEE PROGRAM
       BURNING RATE
       BURNING TIME
       DUMP COMBUSTORS
       EXHAUST GASES
       FUEL COMBUSTION
       FUEL CONSUMPTION
       FUEL-AIR RATIO
       POWER EFFICIENCY
       PROPELLANT COMBUSTION
       PROPULSION SYSTEM PERFORMANCE
       PROPULSIVE EFFICIENCY
       THERMODYNAMIC EFFICIENCY

COMBUSTION HEAT
  USE  HEAT OF COMBUSTION

COMBUSTION INSTABILITY
  USE  COMBUSTION STABILITY

COMBUSTION PHYSICS
  2311 3301
  GS   THERMODYNAMICS
       #COMBUSTION PHYSICS
  RT   AEROTHERMODYNAMICS
       COMBUSTIBLE FLOW
```

```
        COMBUSTION CHEMISTRY
        COMBUSTION STABILITY
        DAMKOHLER NUMBER
        FLAME PROPAGATION
        HEAT OF COMBUSTION
        IGNITION
      % PHYSICS
        PLASMAS (PHYSICS)
      % SCIENCE
        THERMOCHEMISTRY
        TURBULENT COMBUSTION

COMBUSTION PRODUCTS
  0603 3301
  RT    AIR POLLUTION
        ASHES
        COMBUSTIBLE FLOW
        COMBUSTION CHEMISTRY
        DILUENTS
        DUST
        EXHAUST GASES
        FIBER RELEASE
        FLUE GASES
        FLY ASH
        HIGH TEMPERATURE GASES
        ODORS
        PARTICULATES
        POLLUTION TRANSPORT
        PRODUCTS
        REACTION PRODUCTS
        ROCKET EXHAUST
        SMOG
        SMOKE
        SOOT
        VAPORS
        WASTES

COMBUSTION STABILITY
  0602 2203 2701 2702 2804 2809 3301
  UF    ACOUSTIC COMBUSTION
        CHUGGING
        COMBUSTION INSTABILITY
  GS    DYNAMIC CHARACTERISTICS
        .DYNAMIC STABILITY
        .#COMBUSTION STABILITY
        ...FLAME STABILITY
        STABILITY
        .DYNAMIC STABILITY
        .#COMBUSTION STABILITY
        ...FLAME STABILITY
  RT    AXIAL MODES
        BURNING RATE
        COMBUSTION CHEMISTRY
        FUEL COMBUSTION
        MOTION STABILITY
        PRESSURE OSCILLATIONS
        PROPELLANT COMBUSTION
        SOLID PROPELLANT COMBUSTION
        THERMAL INSTABILITY
        TURBULENT COMBUSTION
        VELOCITY COUPLING

COMBUSTION SYNTHESIS
  3301
  RT    ANNEALING
        CERMETS
        COMBUSTION
        COMBUSTION CHEMISTRY
        EXOTHERMIC REACTIONS
        FUNCTIONALLY GRADIENT MATERIALS
        POWDER METALLURGY
        SINTERING

COMBUSTION TEMPERATURE
  0603 1408 3301 3302 3304 3501
  GS    TEMPERATURE
        #COMBUSTION TEMPERATURE
  RT    EROSIVE BURNING
        FLAME TEMPERATURE
        FLASH POINT
        IGNITION TEMPERATURE
        OPERATING TEMPERATURE
        SPONTANEOUS COMBUSTION

COMBUSTION VIBRATION
  1504 2801 2808 3301
  GS    VIBRATION
        #COMBUSTION VIBRATION
  RT    COMBUSTION
        ELASTIC WAVES
        STRUCTURAL STABILITY

COMBUSTION WAVES
  USE   FLAME PROPAGATION

COMBUSTION WIND TUNNELS
  1110 3301
  GS    TEST FACILITIES
        .WIND TUNNELS
        .#COMBUSTION WIND TUNNELS
  RT    HYPERSONIC WIND TUNNELS
        HYPERVELOCITY WIND TUNNELS

COMBUSTORS
  USE   COMBUSTION CHAMBERS

COMET HEADS
  1901 3005
  GS    CELESTIAL BODIES
        #COMET HEADS
  RT %  COMA
        COMETARY ATMOSPHERES
        SOLAR SYSTEM

COMET NUCLEI
  1901 3001
  GS    CELESTIAL BODIES
        #COMET NUCLEI
  RT %  COMA
        COMETARY ATMOSPHERES
        OORT CLOUD
        SOLAR SYSTEM

COMET RENDEZVOUS ASTEROID FLYBY MISSION
  3009 3409
  UF    CRAF MISSION
  GS    SPACE MISSIONS
        .FLYBY MISSIONS
        ..ASTEROID MISSIONS
        ..#COMET RENDEZVOUS ASTEROID FLYBY
           MISSION
  RT    MARINER MARK 2 SPACECRAFT
      % MISSIONS
        NASA SPACE PROGRAMS

COMET TAILS
  1901 3001
  GS    CELESTIAL BODIES
        #COMET TAILS
  RT %  COMA
        COMETARY ATMOSPHERES
        GRIGG-SKJELLERUP COMET
        RADIATION PRESSURE
        SOLAR SYSTEM
        SOLAR WIND

COMET 4 AIRCRAFT
  0204
  UF    DE HAVILLAND DH 106 AIRCRAFT
        DH 106 AIRCRAFT
  GS    COMMERCIAL AIRCRAFT
        #COMET 4 AIRCRAFT
        DE HAVILLAND AIRCRAFT
        #COMET 4 AIRCRAFT
        HAWKER SIDDELEY AIRCRAFT
        #COMET 4 AIRCRAFT
        JET AIRCRAFT
        #COMET 4 AIRCRAFT
        MONOPLANES
        #COMET 4 AIRCRAFT
        PASSENGER AIRCRAFT
        #COMET 4 AIRCRAFT
  RT %  AIRCRAFT

COMETARY ATMOSPHERES
```

```
  1901 3001
  RT   ASTRONOMICAL PHOTOMETRY
     % ATMOSPHERES
     % COMA
       COMET HEADS
       COMET NUCLEI
       COMET TAILS
       COMETARY MAGNETOSPHERES
       COMETS
       IONOPAUSE

COMETARY MAGNETOSPHERES
  1901 3001
  RT   COMETARY ATMOSPHERES
       COMETS
     % MAGNETOSPHERES

COMETS
  1901 3001
  GS   CELESTIAL BODIES
       #COMETS
       ..AREND-ROLAND COMET
       ..AUSTIN COMET
       ..BRORSEN-METCALF COMET
       ..ENCKE COMET
       ..GIACOBINI-ZINNER COMET
       ..GRIGG-SKJELLERUP COMET
       ..HALLEY'S COMET
       ..HUMASON COMET
       ..IRAS-ARAKI-ALCOCK COMET
       ..KOHOUTEK COMET
       ..MOREHOUSE COMET
       ..MRKOS COMET
       ..OKAZAKI-LEVY-RUDENKO COMET
       ..SCHWASSMANN-WACHMANN COMET
       ..TEMPEL 2 COMET
       ..WEST COMET
  RT   BESSEL-BREDICHIN THEORY
     % COMA
       COMETARY ATMOSPHERES
       COMETARY MAGNETOSPHERES
       METEOROID SHOWERS
       METEOROIDS
       OORT CLOUD
       SOLAR SYSTEM

COMFORT
  0408 0504 0506
  RT   ACOUSTICS
       AIR CONDITIONING
       EFFICIENCY
       ENVIRONMENTAL ENGINEERING
       GLARE
       HUMAN FACTORS ENGINEERING
       HUMIDITY
       ILLUMINATING
     % PERFORMANCE
       PHYSIOLOGICAL EFFECTS
       PSYCHOLOGICAL EFFECTS
       REWARD (PSYCHOLOGY)
       RIDING QUALITY
       SEATS
       TEMPERATURE
       VENTILATION

COMMAND AND CONTROL
  3406 4001
  UF   COMMAND-CONTROL
  RT % AUTOMATION
       AUTONOMY
       AWACS AIRCRAFT
     % COMMANDS
     % CONTROL
       DECISION MAKING
       E-2 AIRCRAFT
       E-3A AIRCRAFT
       E-4A AIRCRAFT
       GROUND SUPPORT EQUIPMENT
       LOGISTICS
       MANAGEMENT
       SURVEILLANCE
       TARGETS

COMMAND GUIDANCE
  0702 0707 0708 2102 2807
  UF   COMMAND SYSTEMS
  GS   GUIDANCE (MOTION)
       #COMMAND GUIDANCE
  RT % COMMANDS
       GROUND SUPPORT EQUIPMENT
       INJECTION GUIDANCE
       MIDCOURSE GUIDANCE
       RENDEZVOUS GUIDANCE
       RENDEZVOUS SPACECRAFT
       SPACECRAFT GUIDANCE
       TERMINAL GUIDANCE

COMMAND LANGUAGES
  0802
  GS   LANGUAGES
       #COMMAND LANGUAGES
       ..QUERY LANGUAGES
  RT   HUMAN-COMPUTER INTERFACE
       INFORMATION RETRIEVAL

COMMAND MODULES
  0702 0707 0708 2807 3502
  GS   COMPARTMENTS
       #COMMAND MODULES
       MODULES
       .SPACECRAFT MODULES
       .#COMMAND MODULES
       SPACECRAFT COMPONENTS
       .SPACECRAFT MODULES
       .#COMMAND MODULES
  RT   APOLLO SPACECRAFT
     % COMMANDS
       MARQUARDT R4D ENGINE
       SERVICE MODULES
       SPACECRAFT DOCKING MODULES
       SPACECREW TRANSFER

COMMAND SERVICE MODULES
  2303
  UF   CSM
  GS   MODULES
       .SPACECRAFT MODULES
       .#COMMAND SERVICE MODULES
       SPACECRAFT COMPONENTS
       .SPACECRAFT MODULES
       .#COMMAND SERVICE MODULES
  RT   APOLLO PROJECT
       LUNAR ORBITS
       MANNED SPACECRAFT
       SKYLAB 1
       SKYLAB 2
       SKYLAB 3
       SKYLAB 4
       SPACECRAFT DOCKING MODULES

COMMAND SYSTEMS
  USE  COMMAND GUIDANCE

COMMAND-CONTROL
  USE  COMMAND AND CONTROL

COMMANDO AIRCRAFT
  USE  C-46 AIRCRAFT

% COMMANDS
  0702 0707 0708 2102 3406
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   AUTONOMY
       COMMAND AND CONTROL
       COMMAND GUIDANCE
       COMMAND MODULES
       DECISIONS

COMMERCE
  3402 3406
  RT   COMMERCIAL SPACECRAFT
       CONSUMPTION
       COSTS
```

ECONOMIC DEVELOPMENT
FINANCE
GROSS NATIONAL PRODUCT
INDUSTRIAL AREAS
INDUSTRIES
% INVESTMENT
LIABILITIES
LOSSES
MANUFACTURING
MARKET RESEARCH
MARKETING
PERT
PRODUCT DEVELOPMENT
PROJECT MANAGEMENT
RISK
SUPPLYING

COMMERCE LAB
3104
RT GOVERNMENT/INDUSTRY RELATIONS
% MICROGRAVITY APPLICATIONS
MISSION PLANNING
SPACE COMMERCIALIZATION
SPACE SHUTTLE PAYLOADS
USER REQUIREMENTS

COMMERCIAL AIRCRAFT
0204 3404
UF COMMERCIAL AVIATION
GS #COMMERCIAL AIRCRAFT
.BOEING 707 AIRCRAFT
.BOEING 720 AIRCRAFT
.BOEING 727 AIRCRAFT
.BOEING 733 AIRCRAFT
.BOEING 737 AIRCRAFT
.BOEING 747 AIRCRAFT
.BOEING 757 AIRCRAFT
.BOEING 767 AIRCRAFT
.COMET 4 AIRCRAFT
.CV-340 AIRCRAFT
.CV-440 AIRCRAFT
.CV-880 AIRCRAFT
.CV-990 AIRCRAFT
.DC 3 AIRCRAFT
.DC 7 AIRCRAFT
.DC 8 AIRCRAFT
.DC 9 AIRCRAFT
.DC 10 AIRCRAFT
.DH 121 AIRCRAFT
.ELECTRA AIRCRAFT
.EUROPEAN AIRBUS
..A-300 AIRCRAFT
..A-310 AIRCRAFT
..A-320 AIRCRAFT
.F-28 TRANSPORT AIRCRAFT
.IL-62 AIRCRAFT
.JETSTREAM AIRCRAFT
.L-1011 AIRCRAFT
.LEAR JET AIRCRAFT
.LIGHT TRANSPORT AIRCRAFT
.P-160 AIRCRAFT
.SE-210 AIRCRAFT
.SUPERSONIC COMMERCIAL AIR TRANSPORT
..BOEING 2707 AIRCRAFT
..TU-144 AIRCRAFT
.TU-104 AIRCRAFT
.TU-124 AIRCRAFT
.TU-134 AIRCRAFT
.TU-154 AIRCRAFT
.VC-10 AIRCRAFT
RT AIR TRANSPORTATION
% AIRCRAFT
AIRLINE OPERATIONS
CARGO AIRCRAFT
CIVIL AVIATION
COMMUTER AIRCRAFT
GENERAL AVIATION AIRCRAFT
GROUND EFFECT MACHINES
JET AIRCRAFT
PASSENGER AIRCRAFT
ROTARY WING AIRCRAFT
SUPERSONIC TRANSPORTS
TRANSPORT AIRCRAFT
UTILITY AIRCRAFT
V/STOL AIRCRAFT
WATER TAKEOFF AND LANDING AIRCRAFT

COMMERCIAL AVIATION
USE CIVIL AVIATION
COMMERCIAL AIRCRAFT

COMMERCIAL ENERGY
0301 1103 3402 3404
RT ALLOCATIONS
DISTRIBUTING
DOMESTIC ENERGY
ECONOMIC FACTORS
% ENERGY
ENERGY CONSUMPTION
ENERGY CONVERSION
INDUSTRIAL ENERGY
TRANSPORTATION ENERGY

COMMERCIAL SPACECRAFT
3110
GS #COMMERCIAL SPACECRAFT
.RCA SATCOM SATELLITES
RT AEROSPACE INDUSTRY
AEROSPACE VEHICLES
COMMERCE
COMMUNICATION SATELLITES
INDUSTRIES
SPACE COMMERCIALIZATION
SPACE INDUSTRIALIZATION
SPACE MANUFACTURING
SPACE PROCESSING

COMMINUTION
1502 1507 1704
UF ATTRITION (MATERIALS)
GS #COMMINUTION
.CRUSHING
.GRINDING (COMMINUTION)
.SHREDDING
RT ATOMIZING
BENEFICIATION
CHIPPING
COLLOIDING
CRUSHERS
CUTTING
DISINTEGRATION
FLAKING
FRAGMENTATION
GAS ATOMIZATION
GRINDING MILLS
METAL POWDER
% MILLING
PARTICLE PRODUCTION
POWDER METALLURGY
% REDUCTION

COMMITTEE ON SPACE RESEARCH
1106 3009 3409
UF COSPAR (COMMITTEE)
RT % AEROSPACE SCIENCES
CONFERENCES
EUROPEAN SPACE PROGRAMS
INTERNATIONAL COOPERATION
NASA PROGRAMS
PROGRAMS

COMMODITIES
3402 3404
RT GOVERNMENT PROCUREMENT
MANUFACTURING
MARKET RESEARCH
PROCUREMENT MANAGEMENT
PRODUCTS

COMMON BUSINESS ORIENTED LANGUAGE
USE COBOL

COMMONALITY
0202 3402 3409

GS STANDARDIZATION
#COMMONALITY
RT AIRCRAFT EQUIPMENT
COST REDUCTION
EFFICIENCY
EQUIPMENT SPECIFICATIONS
GROUND SUPPORT SYSTEMS
SPACECRAFT COMPONENTS
SPECIFICATIONS

COMMONWEALTH OF INDEPENDENT STATES
1305
UF CIS
RT ASIA
EUROPE
NATIONS

COMMUNICATING
0404 0702 0705 0707 3401 3406
GS #COMMUNICATING
.AIRCRAFT COMMUNICATION
.ELECTROCUTANEOUS COMMUNICATION
.GROUND-AIR-GROUND COMMUNICATION
.INFORMATION DISSEMINATION
..MESSAGES
..SELECTIVE DISSEMINATION OF INFORMATION
.INTERSTELLAR COMMUNICATION
.LIP READING
.POINT TO POINT COMMUNICATION
..NASCOM NETWORK
.UNDERGROUND COMMUNICATION
.VERBAL COMMUNICATION
..CONVERSATION
RT COLOR TELEVISION
COMPUTER CONFERENCING
CROSSTALK
EDUCATION
FREQUENCY ASSIGNMENT
INFORMATION
INFORMATION FLOW
INFORMATION MANAGEMENT
MESSAGE PROCESSING
MORSE CODE
STEREOTELEVISION
SYSTEMS ENGINEERING
TDR SATELLITES
TECHNOLOGY TRANSFER
TELECOMMUNICATION

COMMUNICATION
0404 0702 0705 0707 3401 3406
GS TELECOMMUNICATION
#COMMUNICATION
..FACSIMILE COMMUNICATION
..LINE OF SIGHT COMMUNICATION
..OPTICAL COMMUNICATION
..SHIP TO SHORE COMMUNICATION
..UNDERWATER COMMUNICATION
RT COMPUTER CONFERENCING
INFORMATION
INFORMATION FLOW
INFORMATION MANAGEMENT
MARISAT SATELLITES
MESSAGE PROCESSING
SPREAD SPECTRUM TRANSMISSION
TECHNOLOGY TRANSFER

COMMUNICATION CABLES
0701
GS TRANSMISSION LINES
#COMMUNICATION CABLES
..COAXIAL CABLES
RT CABLE TELEVISION
% CABLES
ELECTRIC WIRE
OPTICAL FIBERS
SUBMARINE CABLES
WAVEGUIDES

COMMUNICATION EQUIPMENT
0701 0702
GS #COMMUNICATION EQUIPMENT
.ADVANCED VIDICON CAMERA SYSTEM (AVCS)
.CLOSED CIRCUIT TELEVISION
.DIPLEXERS
.INTERPHONES
.PLAT SYSTEM
.RADIO RECEIVERS
..SUPERHETERODYNE RECEIVERS
..TRANSMITTER RECEIVERS
..WHISTLER RECORDERS
.SPACECRAFT TELEVISION
..DIGITAL SPACECRAFT TELEVISION
..RANGER BLOCK 3 TELEVISION SYSTEM
..SATELLITE TELEVISION
.STEREOTELEVISION
RT ANTENNA COMPONENTS
BIOTELEMETRY
COLOR TELEVISION
EARTH TERMINALS
EDUCATIONAL TELEVISION
% EQUIPMENT
FURLABLE ANTENNAS
HIGH DEFINITION TELEVISION
INERTIALESS STEERABLE ANTENNAS
INFORMATION ADAPTIVE SYSTEM
LOGARITHMIC RECEIVERS
MATCHED FILTERS
ORBITING DIPOLES
P.A.C.M. TELEMETRY
PULSE FREQUENCY MODULATION
PULSE FREQUENCY MODULATION
TELEMETRY
RADIO COMMUNICATION
RADIO EQUIPMENT
RADIO RELAY SYSTEMS
RADIO TELEGRAPHY
RADIO TELEMETRY
SPHERICAL ANTENNAS
TELEMETRY
TELEPHONY
TELEVISION SYSTEMS
UNIFIED S BAND

COMMUNICATION NETWORKS
0702
GS #COMMUNICATION NETWORKS
.ALOHA SYSTEM
.DEEP SPACE NETWORK
.INTERNETS
..ARPA COMPUTER NETWORK
.LOCAL AREA NETWORKS
.NASCOM NETWORK
.VSAT (NETWORK)
RT ACCESS CONTROL
BROADCASTING
DATA LINKS
DEFENSE COMMUNICATIONS SYSTEM (DCS)
DEMAND ASSIGNMENT MULTIPLE ACCESS
ELECTRONIC BULLETIN BOARDS
ELECTRONIC MAIL
FREQUENCY DIVISION MULTIPLEXING
NETWORK CONTROL
PACKET SWITCHING
PACKETS (COMMUNICATION)
PROTOCOL (COMPUTERS)
PULSE COMMUNICATION
RADIO COMMUNICATION
SATELLITE CONSTELLATIONS
SATELLITE NETWORKS
TELECOMMUNICATION

COMMUNICATION SATELLITES
0702 0706 3107
GS ARTIFICIAL SATELLITES
#COMMUNICATION SATELLITES
..ACTS
..AERONAUTICAL SATELLITES
...AEROSAT SATELLITES
..ARCOMSAT
..COMMUNICATIONS TECHNOLOGY SATELLITE
...COMSTAR C

...NATO 3B SATELLITE
..COMSTAR SATELLITES
..DIRECT BROADCAST SATELLITES
..EUROPEAN COMMUNICATIONS SATELLITE
..INTELSAT SATELLITES
..L-SAT
..LOW FREQUENCY TRANSIONOSPHERIC SATELLITES
..MARECS MARITIME SATELLITES
..MAROTS (ESA)
..MOLNIYA SATELLITES
..MSAT
..PALAPA SATELLITES
...PALAPA 2 SATELLITE
..RADUGA SATELLITE
..RCA SATCOM SATELLITES
..RELAY SATELLITES
...RELAY 1 SATELLITE
...RELAY 2 SATELLITE
..SYMPHONIE SATELLITES
..SYNCOM SATELLITES
...EARLY BIRD SATELLITES
...SYNCOM 1 SATELLITE
...SYNCOM 2 SATELLITE
...SYNCOM 3 SATELLITE
...SYNCOM 4 SATELLITE
..WESTAR SATELLITES
RT ADVENT PROJECT
ATS
CARRIER TO NOISE RATIOS
COMMERCIAL SPACECRAFT
COMSAT PROGRAM
DEFENSE COMMUNICATIONS SATELLITE SYSTEM
DEMAND ASSIGNMENT MULTIPLE ACCESS
DOMESTIC SATELLITE COMMUNICATIONS SYSTEMS
DOWNLINKING
EARTH TERMINAL MEASUREMENT SYSTEM
ECHO PROJECT
ELECTRONIC MAIL
FLEET SATELLITE COMMUNICATION SYSTEM
GEOPHYSICAL SATELLITES
GROUND-AIR-GROUND COMMUNICATION
HET EXPERIMENT
INDIAN SPACE PROGRAM
LAND MOBILE SATELLITE SERVICE
MOBILE COMMUNICATION SYSTEMS
NETWORK CONTROL
ORBIT SPECTRUM UTILIZATION
PASSIVE SATELLITES
RADIO RELAY SYSTEMS
SATELLITE COMMUNICATION
SATELLITE CONSTELLATIONS
SATELLITE NETWORKS
SKYNET SATELLITES
SPACE COMMERCIALIZATION
SPACE COMMUNICATION
SYNCHRONOUS COMMUNICATIONS
SATELLITE PROJ
SYNCHRONOUS METEOROLOGICAL SATELLITE
SYNCHRONOUS PLATFORMS
SYNCHRONOUS SATELLITES
TELECOMMUNICATION
TELECONFERENCING
TELSTAR PROJECT
UNMANNED SPACECRAFT
UPLINKING
WIRELESS COMMUNICATION

COMMUNICATION SYSTEMS
USE TELECOMMUNICATION

COMMUNICATION THEORY
0702 0703
UF STATISTICAL COMMUNICATION THEORY
GS #COMMUNICATION THEORY
.WORDS (LANGUAGE)
..SYLLABLES
RT CROSS COUPLING
CYBERNETICS
DATA TRANSMISSION
HIGH LEVEL LANGUAGES
INFORMATION THEORY
INTELLIGIBILITY
LANGUAGES
LATTICES (MATHEMATICS)
MESSAGES
NETWORK SYNTHESIS
RANDOM NOISE
RANDOM PROCESSES
REDUNDANCY
SEMANTICS
SENTENCES
SIGNAL TO NOISE RATIOS
SWITCHING THEORY
% THEORIES

COMMUNICATIONS TECHNOLOGY SATELLITE
0702 0706
UF HERMES SATELLITE
GS ARTIFICIAL SATELLITES
.COMMUNICATION SATELLITES
.#COMMUNICATIONS TECHNOLOGY SATELLITE
...COMSTAR C
...NATO 3B SATELLITE
RT CANADA
CANADIAN SPACE PROGRAM
INTERNATIONAL COOPERATION
NASA PROGRAMS
SYNCHRONOUS SATELLITES
TECHNOLOGY ASSESSMENT
TECHNOLOGY UTILIZATION

COMMUNITIES
0410 3402
GS #COMMUNITIES
.INHABITANTS
..MOUNTAIN INHABITANTS
RT CITIES
DEMOGRAPHY
ETHNIC FACTORS
INTEGRATED ENERGY SYSTEMS
MEGALOPOLISES
MINORITIES
MODULAR INTEGRATED UTILITY SYSTEM
NATIONS
POLICE
POLITICS
REGIMES
SOCIOLOGY
STARSITE PROGRAM
UNITED NATIONS
URBAN DEVELOPMENT
URBAN PLANNING
URBAN RESEARCH

COMMUTATION
0702 0703 0802 0904 0905 1902
RT COMMUTATORS
INTERPOLATION
SWITCHING THEORY

COMMUTATORS
0904 1504 1902
GS #COMMUTATORS
.DECOMMUTATORS
RT ARMATURES
COMMUTATION
DISTRIBUTORS
ELECTRIC CONTACTS
ELECTRIC MOTORS
% ROTATING ELECTRICAL MACHINES
ROTATING GENERATORS

COMMUTER AIRCRAFT
0204
GS PASSENGER AIRCRAFT
#COMMUTER AIRCRAFT
RT AIR TRANSPORTATION
% AIRCRAFT
COMMERCIAL AIRCRAFT

GENERAL AVIATION AIRCRAFT

COMPACT DISK READ-ONLY MEMORY DEVICES
USE OPTICAL DISKS

COMPACT GALAXIES
3001 3009
GS CELESTIAL BODIES
.GALAXIES
.#COMPACT GALAXIES
RT GALACTIC STRUCTURE

COMPACTING
1504 3407
RT AGGLOMERATION
COLD PRESSING
DENSIFICATION
HOT ISOSTATIC PRESSING
HOT PRESSING
POWDER METALLURGY
PRESSES
% PRESSING
PRESSING (FORMING)
VIBRATION

COMPACTNESS
USE VOID RATIO

COMPANDING
0901
RT FREQUENCY MODULATION
MODULATION
RADIO TRANSMISSION
SIGNAL PROCESSING
SIGNAL TO NOISE RATIOS

COMPANION STARS
1901 3001
GS CELESTIAL BODIES
.STARS
..DOUBLE STARS
...BINARY STARS
...#COMPANION STARS
.....NEMESIS (STAR)
RT BROWN DWARF STARS
PARALLAX
STELLAR MOTIONS
TRIPLE STARS
VARIABLE STARS
VISUAL OBSERVATION
X RAY BINARIES

COMPARATOR CIRCUITS
0902
GS CIRCUITS
#COMPARATOR CIRCUITS
RT CLIPPER CIRCUITS
DELAY CIRCUITS
DISCRIMINATION
TIME DISCRIMINATION

COMPARATORS
0701 0801 0902 1406
GS MEASURING INSTRUMENTS
#COMPARATORS
RT DISCRIMINATORS
ERROR SIGNALS
HARMONIC GENERATORS
MONOCHROMATORS
REFLECTOMETERS

COMPARISON
3407
RT ANALOGIES
COST ANALYSIS
ECONOMIC ANALYSIS
ESTIMATES
EVALUATION
EXAMINATION
MATCHING
PATTERN REGISTRATION
RANKING

COMPARTMENTATION
USE COMPARTMENTS

COMPARTMENTS
0202 0404 0405 1102 1106 3110 3203
3501
UF COMPARTMENTATION
GS #COMPARTMENTS
.AIR LOCKS
.AIRCRAFT COMPARTMENTS
.COMMAND MODULES
.PRESSURIZED CABINS
.SPACECRAFT CABINS
.TEST CHAMBERS
..ANECHOIC CHAMBERS
..PRESSURE CHAMBERS
...HYPERBARIC CHAMBERS
...VACUUM CHAMBERS
..REVERBERATION CHAMBERS
RT BAYS (STRUCTURAL UNITS)
% CELLS
CREW EXPERIMENT STATIONS
CREW OBSERVATION STATIONS
CREW WORKSTATIONS
ENCLOSURES
MODULES
ROOMS
SPACECRAFT MODULES

COMPASS (PROGRAMMING LANGUAGE)
0802
GS LANGUAGES
.PROGRAMMING LANGUAGES
..ASSEMBLY LANGUAGE
..#COMPASS (PROGRAMMING LANGUAGE)
RT COMPILERS
COMPUTER PROGRAMMING

COMPASSES
1307 1406 2104 3501
GS MEASURING INSTRUMENTS
.INDICATING INSTRUMENTS
.#COMPASSES
...GYROCOMPASSES
...MAGNETIC COMPASSES
...SOLAR COMPASSES
NAVIGATION AIDS
.NAVIGATION INSTRUMENTS
.#COMPASSES
...GYROCOMPASSES
...MAGNETIC COMPASSES
...SOLAR COMPASSES
RT AIRCRAFT INSTRUMENTS
BEACONS
BUOYS
FLIGHT INSTRUMENTS
RADAR BEACONS
RADIO DIRECTION FINDERS
TRANSITS

COMPATIBILITY
0408 3408 0602 0603 0904
GS #COMPATIBILITY
.BIOCOMPATIBILITY
.ELECTROMAGNETIC COMPATIBILITY
.SYSTEMS COMPATIBILITY
RT ACCEPTABILITY
AFFINITY
CONVENTIONS
PERMISSIVITY
STABILITY
SUITABILITY
VERSATILITY

% COMPENSATION
0404 0410 0702 1001 2310 3402 3408
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT ALLOWANCES
ERRORS
IMAGE MOTION COMPENSATION

```
        INSTRUMENT COMPENSATION
        TEMPERATURE COMPENSATION
        TRANSIENT RESPONSE

COMPENSATORS
  0701 0904 0905 2310
  RT    BALANCE
        BIAS
        COMPULSATORS
        ERROR SIGNALS
        FEEDBACK
        LOOP TRANSFER RECOVERY
        VIDEO EQUIPMENT

COMPENSATORY TRACKING
  0709
  GS    TRACKING (POSITION)
        #COMPENSATORY TRACKING
  RT    INFRARED TRACKING
        OPTICAL TRACKING
        RADAR TRACKING

COMPETITION
  0404 0408 0410 3402
  RT    ATHLETES
        HUMAN PERFORMANCE
        HUMAN REACTIONS
        PHYSICAL FITNESS

COMPILATION (COMPUTERS)
  USE   COMPILERS

COMPILER PROGRAMS
  USE   COMPILERS

COMPILERS
  0802
  SN    (PROGRAM-MAKING ROUTINES FOR
        DIGITAL COMPUTERS)
  UF    COMPILATION (COMPUTERS)
        COMPILER PROGRAMS
  GS    COMPUTER PROGRAMS
        #COMPILERS
  RT    ASSEMBLER ROUTINES
        AUTOCODERS
        C (PROGRAMMING LANGUAGE)
        COLLATING
        COMPASS (PROGRAMMING LANGUAGE)
        COMPUTER PROGRAM INTEGRITY
        COMPUTER SYSTEMS PROGRAMS
        DATA CONVERSION ROUTINES
        DISK OPERATING SYSTEM (DOS)
        FORTRAN
        OPERATING SYSTEMS (COMPUTERS)
        PARSING ALGORITHMS
        PASCAL (PROGRAMMING LANGUAGE)
        PL/1
        PROGRAMMED INSTRUCTION
        SUBROUTINES

% COMPLEMENT
  0802 1902
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    COMPLEMENT (BIOLOGY)
        COMPLEMENTS (MATHEMATICS)
        PERSONNEL

COMPLEMENT (BIOLOGY)
  0404
  RT % BIOLOGY
     % COMPLEMENT
       HEMOLYSIS

COMPLEMENTARY METAL OXIDE SEMICONDUCTORS
  USE   CMOS

COMPLEMENTS (MATHEMATICS)
  1902
  RT    ANGLES (GEOMETRY)
     % COMPLEMENT
     % LOGIC

COMPLETENESS
  1902
  RT    ACHIEVEMENT
        COMPUTER PROGRAM INTEGRITY
        INTEGRITY

COMPLEX COMPOUNDS
  0603
  RT % CHEMICAL COMPOUNDS
       MOLECULAR STRUCTURE
       TRANSITION METALS

COMPLEX NUMBERS
  1902
  RT    GEOMETRY
        INTEGERS
     % NUMBERS
       REAL NUMBERS

COMPLEX SYSTEMS
  0503 1003 1905 3203
  RT    PARAMETER IDENTIFICATION
        RELIABILITY ENGINEERING
        SYSTEM IDENTIFICATION
     % SYSTEMS
       SYSTEMS ANALYSIS

COMPLEX VARIABLES
  1902 1903
  GS    ANALYSIS (MATHEMATICS)
        #COMPLEX VARIABLES
        ..AIRY FUNCTION
        ..ANALYTIC FUNCTIONS
        ...ENTIRE FUNCTIONS
        ..BESSEL FUNCTIONS
        ...HANKEL FUNCTIONS
        ..CAUCHY INTEGRAL FORMULA
        ..CONFORMAL MAPPING
        ..CONJUGATES
        ...CONJUGATE POINTS
        ..EXPONENTIAL FUNCTIONS
        ...LOGARITHMS
        ..GAMMA FUNCTION
        ..HARMONIC FUNCTIONS
        ..HYPERBOLIC FUNCTIONS
        ..HYPERGEOMETRIC FUNCTIONS
        ..LAGUERRE FUNCTIONS
        ..LEGENDRE FUNCTIONS
        ..LIOUVILLE THEOREM
        ..MATHIEU FUNCTION
        ..MEROMORPHIC FUNCTIONS
        ...ELLIPTIC FUNCTIONS
        ...RATIONAL FUNCTIONS
        ..NONHOLONOMIC EQUATIONS
        ..ORTHOGONAL FUNCTIONS
        ..SCHWARZ-CHRISTOFFEL
          TRANSFORMATION
        ..SINGULARITY (MATHEMATICS)
        ...NAKED SINGULARITIES
        ..SPHERICAL HARMONICS
  RT    APERIODIC FUNCTIONS
        COMPLEXITY
        DEPENDENT VARIABLES
        EULER-CAUCHY EQUATIONS
        FUNCTIONAL ANALYSIS
        JOUKOWSKI TRANSFORMATION
        MAXIMUM PRINCIPLE
        REAL VARIABLES
        SCHAUDER FIXPOINT THEOREM
        STABILITY DERIVATIVES
        THEODORSEN TRANSFORMATION
        UNIQUENESS THEOREM
     % VARIABLE

COMPLEXITY
  3408
  UF    COMPLICATION
  GS   #COMPLEXITY
        .TASK COMPLEXITY
  RT    COMPLEX VARIABLES
        FEEDBACK
```

```
    % PERFORMANCE
      STATISTICAL DISTRIBUTIONS

COMPLIANCE (ELASTICITY)
  USE  MODULUS OF ELASTICITY

COMPLICATION
  USE  COMPLEXITY

COMPONENT RELIABILITY
  0202 0903 1504 1505 2806
  GS   RELIABILITY
       #COMPONENT RELIABILITY
  RT   AIRCRAFT RELIABILITY
       CIRCUIT RELIABILITY
       CUMULATIVE DAMAGE
       PROCESS CONTROL (INDUSTRY)
       QUALITY CONTROL
       RETIREMENT FOR CAUSE
       SPACECRAFT RELIABILITY
       STRUCTURAL RELIABILITY

% COMPONENTS
  1504
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  UF   PARTS
  RT   ACCESSORIES
       ANTENNA COMPONENTS
       ASSEMBLIES
       COMPUTER COMPONENTS
       CONTENT
       ENGINE PARTS
       FRACTIONS
       INGREDIENTS
       MISSILE COMPONENTS
       MODULES
       REDUNDANT COMPONENTS
       SEGMENTS
       SPACECRAFT COMPONENTS
       SPARE PARTS
       STRUCTURAL MEMBERS
       SUBASSEMBLIES

COMPOSITE FUNCTIONS
  1902 1903
  GS   ANALYSIS (MATHEMATICS)
       .REAL VARIABLES
       .#COMPOSITE FUNCTIONS
       FUNCTIONS (MATHEMATICS)
       #COMPOSITE FUNCTIONS

COMPOSITE MATERIALS
  1507 1704 1801 1805 1809
  UF   COMPOSITES
       PYROGRAPHALLOY
  GS  #COMPOSITE MATERIALS
       .BORON REINFORCED MATERIALS
       ..ALUMINUM BORON COMPOSITES
       ..BORON-EPOXY COMPOSITES
       .CARBON-CARBON COMPOSITES
       .CERAMIC MATRIX COMPOSITES
       .CERMETS
       .COMPOSITE PROPELLANTS
       .FIBER COMPOSITES
       ..ARAMID FIBER COMPOSITES
       ..BRAIDED COMPOSITES
       ..CARBON FIBER REINFORCED PLASTICS
       ...CARBON-PHENOLIC COMPOSITES
       ..GLASS FIBER REINFORCED PLASTICS
       ..WOVEN COMPOSITES
       .FUNCTIONALLY GRADIENT MATERIALS
       .GLASSY CARBON
       .HYBRID COMPOSITES
       .LAMINATES
       ..BORAL
       ..PLYWOOD
       .METAL MATRIX COMPOSITES
       ..ALUMINUM BORON COMPOSITES
       ..ALUMINUM GRAPHITE COMPOSITES
       ..BORSIC (TRADENAME)
       ..EUTECTIC COMPOSITES
       .PARTICULATE REINFORCED COMPOSITES
       .POLYMER MATRIX COMPOSITES
       ..EPOXY MATRIX COMPOSITES
       ...BORON-EPOXY COMPOSITES
       ..GRAPHITE-POLYIMIDE COMPOSITES
       ..REINFORCED PLASTICS
       ...CARBON FIBER REINFORCED PLASTICS
       ...GLASS FIBER REINFORCED PLASTICS
       ...MICARTA
       .RESIN MATRIX COMPOSITES
       ..BORON-EPOXY COMPOSITES
       ..CARBON-PHENOLIC COMPOSITES
       ..GRAPHITE-EPOXY COMPOSITES
       .SUPERHYBRID MATERIALS
       ..GRAPHITE-EPOXY COMPOSITES
       .THREE DIMENSIONAL COMPOSITES
       .WHISKER COMPOSITES
  RT   AIRCRAFT CONSTRUCTION MATERIALS
       AIRFRAME MATERIALS
       ARAMID FIBERS
       BIMETALS
       BORON FIBERS
       CARBON FIBERS
       CHEMICAL VAPOR INFILTRATION
       CLADDING
       COATINGS
     % CONSTRUCTION MATERIALS
       E GLASS
       FIBER ORIENTATION
       FIBER RELEASE
       FIBER VOLUME FRACTION
       FIBERS
       INSULATION
       INTERLAMINAR STRESS
       LAY-UP
       LOW DENSITY RESEARCH
     % MATERIALS
     % MATRICES
       MATRIX MATERIALS
       METALS
       MICROMECHANICS
       MIXTURES
       MODULAR RATIOS
       MONOTECTIC ALLOYS
       MULTILAYER INSULATION
       PLY ORIENTATION
       POWDER METALLURGY
       PREFORMS
       PREPREGS
       REINFORCEMENT (STRUCTURES)
       REINFORCING FIBERS
       REINFORCING MATERIALS
       RESIN TRANSFER MOLDING
       RIGID STRUCTURES
     % ROVINGS
       S GLASS
       SANDWICH STRUCTURES
       SHEET MOLDING COMPOUNDS
       SOLID SUSPENSIONS
       SPIRAL WRAPPING
       THERMOSETTING RESINS

COMPOSITE PROPELLANTS
  2702 2809
  GS   COMPOSITE MATERIALS
       #COMPOSITE PROPELLANTS
       PROPELLANTS
       .SOLID PROPELLANTS
       .#COMPOSITE PROPELLANTS
  RT   CASE BONDED PROPELLANTS
       DOUBLE BASE PROPELLANTS
       DOUBLE BASE ROCKET PROPELLANTS
       EXPLOSIVES
       FUEL PRODUCTION
       PLASTIC PROPELLANTS
       PLASTISOLS
       POLYSULFIDES
       POLYURETHANE RESINS
       PROPELLANT ADDITIVES
       PROPELLANT BINDERS
       SOLID ROCKET PROPELLANTS
```

```
COMPOSITE STRUCTURES
  1507 1704 1801 1805 1809 3202
  GS  #COMPOSITE STRUCTURES
       .LAMINATES
       ..BORAL
       ..PLYWOOD
  RT   BORON-EPOXY COMPOSITES
       CERAMIC MATRIX COMPOSITES
       FUNCTIONALLY GRADIENT MATERIALS
       GLASS FIBER REINFORCED PLASTICS
       HONEYCOMB CORES
       HONEYCOMB STRUCTURES
       HYBRID STRUCTURES
       LAY-UP
       PULTRUSION
       SHEET MOLDING COMPOUNDS
       SMART STRUCTURES
       STEEL STRUCTURES
     % STRUCTURES

COMPOSITE WRAPPING
  1507 3202
  RT   CERAMIC FIBERS
       FIBER COMPOSITES
       FILAMENT WINDING
       ISOTENSOID STRUCTURES
       SPIRAL WRAPPING
     % WRAP

COMPOSITES
  USE  COMPOSITE MATERIALS

% COMPOSITION
  0601 1704 1805 3406 3408
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   COMPOSITION (PROPERTY)
       CONTENT
       FORMULATIONS
       INGREDIENTS
       STOICHIOMETRY

COMPOSITION (PROPERTY)
  3408
  GS  #COMPOSITION (PROPERTY)
       .ATMOSPHERIC COMPOSITION
       ..ATMOSPHERIC MOISTURE
       ..IONOSPHERIC COMPOSITION
       .BODY COMPOSITION (BIOLOGY)
       .CHEMICAL COMPOSITION
       ..CARBON DIOXIDE CONCENTRATION
       ..STELLAR COMPOSITION
       .CONCENTRATION (COMPOSITION)
       ..ATOM CONCENTRATION
       ..CARBON DIOXIDE CONCENTRATION
       ..LOW CONCENTRATIONS
       ..MASCONS
       ..METEOROID CONCENTRATION
       ..MOISTURE CONTENT
       ...ATMOSPHERIC MOISTURE
       .GAS COMPOSITION
       ..CARBON DIOXIDE CONCENTRATION
       .LUNAR COMPOSITION
       .METEORITIC COMPOSITION
       .PLANETARY COMPOSITION
       .PLASMA COMPOSITION
  RT % COMPOSITION
       GRADIENTS
       HENRY LAW
       LUMPING
       MIXTURES
       RAOULT LAW
       SOLUTIONS
       STOICHIOMETRY

COMPOSTING
  0402
  GS   DISPOSAL
       .WASTE DISPOSAL
       .#COMPOSTING
  RT   GARBAGE
       METABOLIC WASTES
       SHREDDING
       SOLID WASTES
       WASTE TREATMENT
       WASTE UTILIZATION

COMPOUND A
  0603 1804
  GS   HALOGEN COMPOUNDS
       .FLUORINE COMPOUNDS
       ..FLUORIDES
       ..#COMPOUND A
  RT % CHEMICAL COMPOUNDS

COMPOUND HELICOPTERS
  0206
  GS   V/STOL AIRCRAFT
       .ROTARY WING AIRCRAFT
       ..HELICOPTERS
       ..#COMPOUND HELICOPTERS
  RT   AERONAUTICAL ENGINEERING
       AIR TRANSPORTATION
     % AIRCRAFT
       AIRCRAFT CONFIGURATIONS
       AIRCRAFT DESIGN
       HELICOPTER DESIGN
       SHORT TAKEOFF AIRCRAFT
       VERTICAL TAKEOFF AIRCRAFT

COMPOUNDING
  1504 3407
  UF   MILLING (MIXING)
  GS   MIXING
       #COMPOUNDING
  RT   COLLOIDING
       DISSOLVING
       GRINDING (COMMINUTION)
       HOMOGENIZING
     % MILLING

% COMPOUNDS
  0603 1804 1808
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT % CHEMICAL COMPOUNDS
       POTTING COMPOUNDS

COMPRESSED AIR
  1202 1203
  GS   GASES
       .GAS MIXTURES
       ..AIR
       ..#COMPRESSED AIR
       MIXTURES
       .SOLUTIONS
       ..GAS MIXTURES
       ...AIR
       ...#COMPRESSED AIR
  RT   COMPRESSORS
       DRILLS
       ENERGY STORAGE
       MAN OPERATED PROPULSION SYSTEMS
       OXYGEN SUPPLY EQUIPMENT
       PNEUMATIC EQUIPMENT
     % PUMPING

COMPRESSED GAS
  1202 1203
  GS   GASES
       #COMPRESSED GAS
       ..HIGH PRESSURE OXYGEN
  RT   COMPRESSORS
       GAS PRESSURE
       PNEUMATIC CONTROL

COMPRESSED VIDEO
  USE  VIDEO COMPRESSION

COMPRESSIBILITY
  1503 3203 3408
  GS   MECHANICAL PROPERTIES
       #COMPRESSIBILITY
```

```
  RT    BULK MODULUS
        COMPRESSIBLE FLOW
        COMPRESSIVE STRENGTH
        DENSITY (MASS/VOLUME)
        EQUATIONS OF STATE
        GRUNEISEN CONSTANT
        HYDROELASTICITY
        INCOMPRESSIBILITY
        METAL POWDER
        POROSITY
        POWDER (PARTICLES)

COMPRESSIBILITY EFFECTS
  0101 1202 1704 2603 3203
  RT    BUFFETING
        COMPRESSIBLE FLOW
      % EFFECTS
        FLUTTER
        HEAT TRANSFER
        OSCILLATING FLOW
        PRESSURE EFFECTS
        RELAXATION (PHYSIOLOGY)
        SECONDARY FLOW
        SUPERSONIC FLOW
        TRANSONIC FLOW

COMPRESSIBLE BOUNDARY LAYER
  0101 1202 1203
  GS    BOUNDARY LAYERS
        #COMPRESSIBLE BOUNDARY LAYER
  RT    LAMINAR BOUNDARY LAYER
        THREE DIMENSIONAL BOUNDARY LAYER
        TURBULENT BOUNDARY LAYER

COMPRESSIBLE FLOW
  0101 1202 1203
  GS    FLUID FLOW
        #COMPRESSIBLE FLOW
        ..TRANSONIC FLOW
  RT    AERODYNAMICS
        AIR FLOW
        CARTAN SPACE
        COMPRESSIBILITY
        COMPRESSIBILITY EFFECTS
        CROCCO METHOD
        GAS FLOW
        HUGONIOT EQUATION OF STATE
        HYPERSONIC FLOW
        INCOMPRESSIBLE FLOW
        MAGNETOHYDRODYNAMIC FLOW
        NEWTON PRESSURE LAW
        STAGNATION FLOW
        STAGNATION PRESSURE
        STAGNATION TEMPERATURE
        SUBSONIC FLOW
        SUPERSONIC FLOW

COMPRESSIBLE FLUIDS
  1202 1203
  RT    AERODYNAMIC HEATING
        CROCCO METHOD
        FLUID POWER
      % FLUIDS
        HYDROELASTICITY
        IDEAL FLUIDS
        INCOMPRESSIBLE FLUIDS
        MAXWELL FLUIDS
        METHOD OF CHARACTERISTICS
        P WAVES
        SUPERFLUIDITY

COMPRESSING
  1504 1505 1507 3407 3408
  UF    RECOMPRESSION
        SQUEEZING
  GS   #COMPRESSING
        .PLASMA COMPRESSION
        .SPEECH BASEBAND COMPRESSION
  RT    ADIABATIC CONDITIONS
        ANVILS
        AXIAL COMPRESSION LOADS
        BLOWING
        COMPRESSORS
        CONCENTRATING
        DENSIFICATION
        INTERNAL COMPRESSION INLETS
        MAGNETIC COMPRESSION
        MECHANICAL PROPERTIES
        METAL POWDER
        PISTON THEORY
      % PRESSING
        PRESSURE
        PRESSURE REDUCTION
        PULSE COMPRESSION
      % PUMPING
        RAREFACTION
        SQUEEZE CASTING
        SUPERCHARGERS

COMPRESSION LOADS
  3203
  GS    LOADS (FORCES)
        #COMPRESSION LOADS
        ..AXIAL COMPRESSION LOADS
        ..IMPACT LOADS
  RT    AERODYNAMIC LOADS
        AXIAL LOADS
        BUCKLING
        COMPRESSIVE STRENGTH
        CONTACT LOADS
        DYNAMIC LOADS
        EDGE LOADING
        MECHANICAL PROPERTIES
        SHOCK LOADS
        STATIC LOADS
        STRUCTURAL DESIGN CRITERIA
        THRUST LOADS

COMPRESSION RATIO
  3203
  GS    RATIOS
        #COMPRESSION RATIO
  RT    EFFICIENCY
        FUEL-AIR RATIO

COMPRESSION TESTERS
  USE   COMPRESSION TESTS

COMPRESSION TESTS
  3203 3404
  UF    COMPRESSION TESTERS
        METEORITE COMPRESSION TESTS
  RT    CREEP TESTS
        DESTRUCTIVE TESTS
        HARDNESS TESTS
        IMPACT TESTS
        LOAD TESTS
      % MATERIALS TESTS
        STATIC TESTS
      % TESTS

COMPRESSION WAVES
  0710 2308 3203
  GS    ELASTIC WAVES
        #COMPRESSION WAVES
  RT    P WAVES

COMPRESSIVE STRENGTH
  3408
  GS    MECHANICAL PROPERTIES
        #COMPRESSIVE STRENGTH
  RT    COMPRESSIBILITY
        COMPRESSION LOADS
        DUCTILITY
        ELASTIC PROPERTIES
        FIBER STRENGTH
        HIGH STRENGTH
        LOAD CARRYING CAPACITY
        POISSON RATIO
        RESILIENCE
        SHEAR STRENGTH
      % STRENGTH
        TOUGHNESS

COMPRESSOR BLADES
```

```
  0104 1504
  GS   TURBOMACHINE BLADES
       #COMPRESSOR BLADES
  RT % BLADES
       CENTRIFUGAL COMPRESSORS
       FAN BLADES
       ROTATING STALLS
       ROTOR BLADES (TURBOMACHINERY)
       STATOR BLADES
       TURBINE BLADES
       TURBOCOMPRESSORS
       VANES

COMPRESSOR EFFICIENCY
  0202 0303 1202 1504 2808 3304
  GS   EFFICIENCY
       #COMPRESSOR EFFICIENCY
  RT   POWER EFFICIENCY
       THERMODYNAMIC EFFICIENCY

COMPRESSOR ROTORS
  0104 1504
  GS   ROTATING BODIES
       .ROTORS
       .#COMPRESSOR ROTORS
  RT   CENTRIFUGAL COMPRESSORS
       COMPRESSORS
     % FANS
       IMPELLERS
       ROTOR BLADES (TURBOMACHINERY)
       TURBINE WHEELS
       TURBOCOMPRESSORS

COMPRESSORS
  0303 1203 1504 2805 3404 3501
  SN   (EXCLUDES DATA COMPRESSORS)
  GS  #COMPRESSORS
       .CENTRIFUGAL COMPRESSORS
       .SUPERCHARGERS
       .SUPERSONIC COMPRESSORS
       .TRANSONIC COMPRESSORS
       .TURBOCOMPRESSORS
  RT   AIR CONDITIONING EQUIPMENT
       BLOWERS
       COMPRESSED AIR
       COMPRESSED GAS
       COMPRESSING
       COMPRESSOR ROTORS
       CONDENSERS (LIQUEFIERS)
       COOLERS
     % FANS
       REFRIGERATING MACHINERY
       STATORS
       TURBOMACHINERY
       VACUUM PUMPS
       VANELESS DIFFUSERS

COMPTON EFFECT
  0710 2306 2310 2402 2403
  GS   SCATTERING
       #COMPTON EFFECT
  RT   COHERENT SCATTERING
     % EFFECTS
       INELASTIC SCATTERING
       NUCLEAR REACTIONS
       PHOTOELECTRICITY

COMPTON GAMMA RAY OBSERVATORY
  USE  GAMMA RAY OBSERVATORY

COMPULSATORS
  0302
  RT   AC GENERATORS
       COMPENSATORS
       ELECTRIC POWER SUPPLIES
       PULSE GENERATORS

COMPUTATION
  0802 1902
  UF   CALCULATION
  GS  #COMPUTATION
       .COMPUTATIONAL GEOMETRY
       .ORBIT CALCULATION
       ..MINIMUM VARIANCE ORBIT
         DETERMINATION
  RT   ADDITION
     % APPLICATIONS OF MATHEMATICS
       ARITHMETIC
       CALCULATORS
       COMPUTATIONAL ASTROPHYSICS
       COMPUTATIONAL FLUID DYNAMICS
       COMPUTERS
       DATA PROCESSING
       DATA REDUCTION
       DIVIDING (MATHEMATICS)
       FLUX VECTOR SPLITTING
     % FORMULAS
       INTERPOLATION
       LINEAR PREDICTION
       MULTIPLICATION
       SUBTRACTION
       SUMS
       SYSTOLIC ARRAYS

COMPUTATIONAL ASTROPHYSICS
  3002
  GS   ASTROPHYSICS
       #COMPUTATIONAL ASTROPHYSICS
  RT   COMPUTATION
       COMPUTERIZED SIMULATION
       MATHEMATICAL MODELS
     % SCIENCE

COMPUTATIONAL CHEMISTRY
  0603
  GS   ANALYSIS (MATHEMATICS)
       .NUMERICAL ANALYSIS
       .#COMPUTATIONAL CHEMISTRY
  RT % CHEMISTRY
       COMPUTER TECHNIQUES
       COMPUTERIZED SIMULATION
       CONFIGURATION INTERACTION
       PHYSICAL CHEMISTRY
       SELF CONSISTENT FIELDS
     % TESTS

COMPUTATIONAL FLUID DYNAMICS
  3110 1202
  GS   ANALYSIS (MATHEMATICS)
       .NUMERICAL ANALYSIS
       .#COMPUTATIONAL FLUID DYNAMICS
       FLUID MECHANICS
       .FLUID DYNAMICS
       .#COMPUTATIONAL FLUID DYNAMICS
  RT   BGK MODEL
       COMPUTATION
       CONVECTION-DIFFUSION EQUATION
     % DYNAMICS
       EQUATIONS OF MOTION
       FINITE ELEMENT METHOD
       FLOW DEFLECTION
       FLOW EQUATIONS
       FLUX VECTOR SPLITTING
       GRID GENERATION (MATHEMATICS)
       HYDRODYNAMIC COEFFICIENTS
       INTERACTIONAL AERODYNAMICS
       K-EPSILON TURBULENCE MODEL
       MULTIGRID METHODS
       NAVIER-STOKES EQUATION
       PANEL METHOD (FLUID DYNAMICS)
       RELAXATION METHOD (MATHEMATICS)
       SPECTRAL METHODS
       TURBULENCE MODELS
       TVD SCHEMES
       UPWIND SCHEMES (MATHEMATICS)
       VORTEX IN CELL TECHNIQUE
       VORTEX LATTICE METHOD

COMPUTATIONAL GEOMETRY
  1902
  GS   COMPUTATION
       #COMPUTATIONAL GEOMETRY
       GEOMETRY
       #COMPUTATIONAL GEOMETRY
  RT   COMPUTER AIDED DESIGN
```

```
COMPUTATIONAL GRIDS
  1902 3501
  UF   GRIDS (MATHEMATICS)
       MESH (MATHEMATICS)
  GS   COORDINATES
       #COMPUTATIONAL GRIDS
  RT   GRID GENERATION (MATHEMATICS)
     % GRIDS
       MATHEMATICAL MODELS
       MULTIGRID METHODS
       NUMERICAL ANALYSIS
       PROBLEM SOLVING
       THREE DIMENSIONAL MODELS

COMPUTER AIDED DESIGN
  0802 4001
  UF   CAD (DESIGN)
       COMPUTER AIDED ENGINEERING
       COMPUTERIZED DESIGN
  GS   COMPUTER TECHNIQUES
       #COMPUTER AIDED DESIGN
       ..IPAD
  RT   AIRCRAFT DESIGN
       AMPLIFIER DESIGN
       COMPUTATIONAL GEOMETRY
       COMPUTER GRAPHICS
       COMPUTERIZED SIMULATION
     % DESIGN
       DRAFTING MACHINES
       ENGINE DESIGN
       HELICOPTER DESIGN
       HUMAN-COMPUTER INTERFACE
       LENS DESIGN
       LOFTING
       LOGIC DESIGN
       MISSILE DESIGN
       REACTOR DESIGN
       ROBOTICS
       SATELLITE DESIGN
       SPACECRAFT DESIGN
       STRUCTURAL DESIGN
       STRUCTURED PROGRAMMING
       THREE DIMENSIONAL MODELS

COMPUTER AIDED ENGINEERING
  USE  COMPUTER AIDED DESIGN

COMPUTER AIDED MANUFACTURING
  0802 4001
  UF   CAM (MANUFACTURING)
  GS   COMPUTER TECHNIQUES
       #COMPUTER AIDED MANUFACTURING
       MANUFACTURING
       #COMPUTER AIDED MANUFACTURING
  RT   COMPUTER GRAPHICS
       COMPUTERIZED SIMULATION
       ROBOTICS

COMPUTER AIDED MAPPING
  1303
  GS   COMPUTER TECHNIQUES
       #COMPUTER AIDED MAPPING
       MAPPING
       #COMPUTER AIDED MAPPING
  RT   COMPUTER GRAPHICS
       COMPUTERIZED SIMULATION
       MAPS
       ROBOTICS

COMPUTER AIDED TOMOGRAPHY
  1407
  UF   CAT SCANNER
  GS   COMPUTER TECHNIQUES
       #COMPUTER AIDED TOMOGRAPHY
       IMAGERY
       .RADIOGRAPHY
       ..TOMOGRAPHY
       ..#COMPUTER AIDED TOMOGRAPHY
  RT   COMPUTER GRAPHICS
       IMAGE PROCESSING

COMPUTER ANIMATION
  0801 0802
  GS   ARTS
       .GRAPHIC ARTS
       ..ANIMATION
       ..#COMPUTER ANIMATION
       COMPUTER GRAPHICS
       #COMPUTER ANIMATION
       COMPUTER TECHNIQUES
       #COMPUTER ANIMATION
  RT   COMPUTERIZED SIMULATION
       MOTION PICTURES

COMPUTER ARCHITECTURE
  USE  ARCHITECTURE (COMPUTERS)

COMPUTER ASSISTED INSTRUCTION
  0802
  UF   CAI
  GS   COMPUTER TECHNIQUES
       #COMPUTER ASSISTED INSTRUCTION
       PROGRAMMED INSTRUCTION
       #COMPUTER ASSISTED INSTRUCTION
  RT   LANGUAGE PROGRAMMING
       SYMBOLIC PROGRAMMING

COMPUTER BULLETIN BOARDS
  USE  ELECTRONIC BULLETIN BOARDS

COMPUTER CODES
  USE  COMPUTER PROGRAMS

COMPUTER COMPATIBLE TAPES
  0802
  GS   COMPUTER STORAGE DEVICES
       .MAGNETIC TAPES
       .#COMPUTER COMPATIBLE TAPES
  RT   COMPUTERS
       DATA PROCESSING EQUIPMENT
       DIGITAL COMPUTERS
     % TAPES

COMPUTER COMPONENTS
  0701 0801
  RT   ADDING CIRCUITS
       ARITHMETIC AND LOGIC UNITS
       BINARY TO DECIMAL CONVERTERS
       BUBBLE MEMORY DEVICES
       CENTRAL PROCESSING UNITS
     % COMPONENTS
       COMPUTERS
       CONSOLES
       CONTROL UNITS (COMPUTERS)
       COUNTERS
       DECIMAL TO BINARY CONVERTERS
       DIGITAL ELECTRONICS
       LOGICAL ELEMENTS
       READ-ONLY MEMORY DEVICES
       REMOTE CONSOLES
       SHIFT REGISTERS

COMPUTER CONFERENCING
  0702 0803
  RT   COMMUNICATING
       COMMUNICATION
       ELECTRONIC BULLETIN BOARDS
       ELECTRONIC MAIL
       TELECONFERENCING

COMPUTER DESIGN
  3404
  SN   (DESIGN OF COMPUTERS--EXCLUDES
       COMPUTERIZED DESIGN AND SYSTEMS
       ENGINEERING)
  RT   ARCHITECTURE (COMPUTERS)
       COMPUTERS
     % DESIGN
       FLUID LOGIC
       HARDWARE DESCRIPTION LANGUAGES
       LOGIC DESIGN
       MEMORY (COMPUTERS)
       MICROPROCESSORS
       MIMD (COMPUTERS)
```

OPTICAL COMPUTERS
PRODUCT DEVELOPMENT
READ-ONLY MEMORY DEVICES
SIMD (COMPUTERS)

COMPUTER GRAPHICS
0801 0802 9001
UF INTERACTIVE GRAPHICS
GS #COMPUTER GRAPHICS
.COMPUTER ANIMATION
RT COMPUTER AIDED DESIGN
COMPUTER AIDED MANUFACTURING
COMPUTER AIDED MAPPING
COMPUTER AIDED TOMOGRAPHY
COMPUTERS
DATA PROCESSING TERMINALS
DISPLAY DEVICES
GRAPHICAL USER INTERFACE
IBM PERSONAL COMPUTERS
MACINTOSH PERSONAL COMPUTERS
MULTIMEDIA
PLOTTERS
RASTER SCANNING
REMOTE CONSOLES
SCIENTIFIC VISUALIZATION
TOMOGRAPHY
WINDOWS (COMPUTER PROGRAMS)

COMPUTER INFORMATION SECURITY
0802
UF COMPUTER SECURITY
GS SECURITY
#COMPUTER INFORMATION SECURITY
RT COMPUTER VIRUSES
CRYPTOGRAPHY
DATA PROCESSING
DISK OPERATING SYSTEM (DOS)
OPERATING SYSTEMS (COMPUTERS)
PRIVACY
SELECTIVE DISSEMINATION OF INFORMATION

COMPUTER METHODS
USE COMPUTER PROGRAMS

COMPUTER NETWORKS
0902
GS #COMPUTER NETWORKS
.INTERNETS
..ARPA COMPUTER NETWORK
.LOCAL AREA NETWORKS
RT ALOHA SYSTEM
DISTRIBUTED PROCESSING
ELECTRONIC MAIL
INTERPROCESSOR COMMUNICATION
NETWORK CONTROL
% NETWORKS
PROTOCOL (COMPUTERS)
VSAT (NETWORK)

COMPUTER PROGRAM INTEGRITY
1902
GS INTEGRITY
#COMPUTER PROGRAM INTEGRITY
RELIABILITY
.SOFTWARE RELIABILITY
.#COMPUTER PROGRAM INTEGRITY
RT COMPILERS
COMPLETENESS
COMPUTER VIRUSES
COMPUTERS
DIGITAL COMPUTERS
ERRORS
PROGRAMS
REDUNDANCY
SECURITY

COMPUTER PROGRAM RELIABILITY
USE SOFTWARE RELIABILITY

COMPUTER PROGRAMMING
0802
UF LEGENDRE CODE
GS #COMPUTER PROGRAMMING
.ASSEMBLER ROUTINES
.LANGUAGE PROGRAMMING
.LOGIC PROGRAMMING
.MICROPROGRAMMING
.MULTIPROGRAMMING
.OBJECT-ORIENTED PROGRAMMING
.ON-LINE PROGRAMMING
.PARALLEL PROGRAMMING
.STRUCTURED PROGRAMMING
.SYMBOLIC PROGRAMMING
RT ADA (PROGRAMMING LANGUAGE)
ADDRESSING
ALGOL
ALGORITHMS
APL (PROGRAMMING LANGUAGE)
ASSEMBLY LANGUAGE
AUTOCODERS
BASIC (PROGRAMMING LANGUAGE)
BATCH PROCESSING
BCH CODES
BLOCK DIAGRAMS
C (PROGRAMMING LANGUAGE)
CODING
COMPASS (PROGRAMMING LANGUAGE)
COMPUTER VIRUSES
CONTEXT FREE LANGUAGES
DATA STRUCTURES
DIGITAL TECHNIQUES
EXPERT SYSTEMS
FILE MAINTENANCE (COMPUTERS)
FIRMWARE
FLOW CHARTS
FORMALISM
FORMAT
FORTH (PROGRAMMING LANGUAGE)
FORTRAN
HAL/S (LANGUAGE)
HEURISTIC METHODS
KINOFORM
LINEAR PROGRAMMING
LISP (PROGRAMMING LANGUAGE)
LOGIC DESIGN
MACHINE-INDEPENDENT PROGRAMS
MAP (PROGRAMMING LANGUAGE)
MIMD (COMPUTERS)
NATURAL LANGUAGE (COMPUTERS)
NUMERICAL ANALYSIS
PASCAL (PROGRAMMING LANGUAGE)
PL/1
PROGRAM VERIFICATION (COMPUTERS)
PROGRAMMED INSTRUCTION
PROGRAMMERS
% PROGRAMMING
PROGRAMMING ENVIRONMENTS
PROGRAMMING LANGUAGES
PROLOG (PROGRAMMING LANGUAGE)
REAL TIME OPERATION
RESPONSE TIME (COMPUTERS)
REVERSE ENGINEERING
RUN TIME (COMPUTERS)
SEQUENTIAL CONTROL
SIMD (COMPUTERS)
SOFTWARE ENGINEERING
SOFTWARE RELIABILITY
SOFTWARE REUSE
SOFTWARE TOOLS
SYSTEMS ANALYSIS
THEOREM PROVING
TIME SHARING
UNIX (OPERATING SYSTEM)

COMPUTER PROGRAMS
0802 9001
UF COMPUTER CODES
COMPUTER METHODS
SOFTWARE (COMPUTERS)
GS #COMPUTER PROGRAMS
.APPLICATIONS PROGRAMS (COMPUTERS)
..NASTRAN
.COMPILERS
.COMPUTER SYSTEMS PROGRAMS

..ASSEMBLER ROUTINES
..INPUT/OUTPUT ROUTINES
..OPERATING SYSTEMS (COMPUTERS)
...DISK OPERATING SYSTEM (DOS)
...UNIX (OPERATING SYSTEM)
..SUBROUTINE LIBRARIES (COMPUTERS)
.EDITING ROUTINES (COMPUTERS)
.MACHINE-INDEPENDENT PROGRAMS
.MERGING ROUTINES
.MULTIPLE OUTPUT PROGRAMS
.OBJECT PROGRAMS
.SOURCE PROGRAMS
.SUBROUTINES
RT ALGORITHMS
ASSEMBLY LANGUAGE
BATCH PROCESSING
BLOCK DIAGRAMS
CODING
COMPUTER VIRUSES
COMPUTERS
DATA CONVERSION ROUTINES
DATA FLOW ANALYSIS
DATA PROCESSING
DATA TRANSFER (COMPUTERS)
DIGITAL COMPUTERS
ERROR DETECTION CODES
FIXED POINT ARITHMETIC
FLOATING POINT ARITHMETIC
GODDARD TRAJECTORY DETERMINATION SYSTEM
IBM PERSONAL COMPUTERS
INSTRUCTION SETS (COMPUTERS)
LASER GUIDANCE
MACHINE TRANSLATION
MACINTOSH PERSONAL COMPUTERS
MODULARITY
NASA INTERACTIVE PLANNING SYSTEM
NUMERICAL CONTROL
ON-LINE SYSTEMS
PROGRAMMED INSTRUCTION
PROGRAMMING ENVIRONMENTS
PROGRAMS
REPORT GENERATORS
% ROUTINES
SOFTWARE ENGINEERING
SOFTWARE RELIABILITY
SOFTWARE REUSE
SOFTWARE TOOLS
STRUCTURED PROGRAMMING
% TRANSLATORS
USER MANUALS (COMPUTER PROGRAMS)

COMPUTER SECURITY
USE COMPUTER INFORMATION SECURITY

COMPUTER SIMULATION
USE COMPUTERIZED SIMULATION

COMPUTER STORAGE DEVICES
0801
UF MACHINE STORAGE
GS #COMPUTER STORAGE DEVICES
.BUBBLE MEMORY DEVICES
.BUFFER STORAGE
.CRYOGENIC COMPUTER STORAGE
.DELAY LINES (COMPUTER STORAGE)
.MAGNETIC CORES
.MAGNETIC DISKS
.MAGNETIC DRUMS
.MAGNETIC TAPES
..COMPUTER COMPATIBLE TAPES
.OPTICAL DISKS
.RANDOM ACCESS MEMORY
..CORE STORAGE
.READ-ONLY MEMORY DEVICES
..CD-ROM
.REGISTERS (COMPUTERS)
..ACCUMULATORS (COMPUTERS)
RT ACOUSTIC DELAY LINES
CARDS
CENTRAL PROCESSING UNITS
% CHANNELS
CRYOSAR
% EQUIPMENT
FLIP-FLOPS
HOLE BURNING
MAGNETIC STORAGE
MEMORY (COMPUTERS)
MICROPROCESSORS
OPTICAL MEMORY (DATA STORAGE)
PARAMETRONS
PERIPHERAL EQUIPMENT (COMPUTERS)
PUNCHED CARDS
PUNCHED TAPES
RANDOM ACCESS
SHIFT REGISTERS
% STORAGE
THIN FILMS

COMPUTER SYSTEMS DESIGN
0801 0802
GS SYSTEMS ENGINEERING
#COMPUTER SYSTEMS DESIGN
RT CONCURRENT PROCESSING
% DESIGN
DISK OPERATING SYSTEM (DOS)
DISTRIBUTED PROCESSING
INTERPROCESSOR COMMUNICATION
MAN MACHINE SYSTEMS
OPERATING SYSTEMS (COMPUTERS)
PERIPHERAL EQUIPMENT (COMPUTERS)
PROGRAMMABLE LOGIC DEVICES
READ-ONLY MEMORY DEVICES
SOFTWARE ENGINEERING
SOFTWARE TOOLS
% SYSTEMS
VIRTUAL MEMORY SYSTEMS

COMPUTER SYSTEMS PERFORMANCE
0804
RT CONSISTENCY
DATA SAMPLING
EFFICIENCY
EVALUATION
OPERATOR PERFORMANCE
OUTPUT
% PERFORMANCE
PERFORMANCE TESTS
QUALITY
RELIABILITY
RESPONSE TIME (COMPUTERS)
SOFTWARE RELIABILITY
% SYSTEMS

COMPUTER SYSTEMS PROGRAMS
0802
UF SOFTWARE (COMPUTERS)
GS COMPUTER PROGRAMS
#COMPUTER SYSTEMS PROGRAMS
..ASSEMBLER ROUTINES
..INPUT/OUTPUT ROUTINES
..OPERATING SYSTEMS (COMPUTERS)
...DISK OPERATING SYSTEM (DOS)
...UNIX (OPERATING SYSTEM)
..SUBROUTINE LIBRARIES (COMPUTERS)
RT ALGORITHMS
ASSEMBLY LANGUAGE
AUTOCODERS
COMPILERS
COMPUTER VIRUSES
COMPUTERS
DATA FLOW ANALYSIS
DATA PROCESSING
DIGITAL COMPUTERS
EDITING ROUTINES (COMPUTERS)
ERROR DETECTION CODES
REPORT GENERATORS
% ROUTINES
SOFTWARE ENGINEERING
SOFTWARE TOOLS
% SYSTEMS
SYSTEMS ANALYSIS

COMPUTER SYSTEMS SIMULATION
0804

```
  GS   SIMULATION
       #COMPUTER SYSTEMS SIMULATION
  RT   ANALOG SIMULATION
       DATA PROCESSING EQUIPMENT
       DIGITAL SIMULATION
       HARDWARE DESCRIPTION LANGUAGES
       MATHEMATICAL MODELS
       OPERATIONS RESEARCH
       SIMULATORS
     % SYSTEMS
       SYSTEMS ANALYSIS

COMPUTER TECHNIQUES
  0802 3406
  GS  #COMPUTER TECHNIQUES
       .COMPUTER AIDED DESIGN
       ..IPAD
       .COMPUTER AIDED MANUFACTURING
       .COMPUTER AIDED MAPPING
       .COMPUTER AIDED TOMOGRAPHY
       .COMPUTER ANIMATION
       .COMPUTER ASSISTED INSTRUCTION
  RT   ADAPTIVE OPTICS
       ARPA COMPUTER NETWORK
       COMPUTATIONAL CHEMISTRY
       COMPUTERS
       FLIGHT MANAGEMENT SYSTEMS
       KNOWLEDGE BASED SYSTEMS
       MANAGEMENT INFORMATION SYSTEMS
       MANAGEMENT METHODS
       MANAGEMENT SYSTEMS
       MICROPROCESSORS
       NASTRAN
       NUMERICAL DIFFERENTIATION
       ON-LINE SYSTEMS
       PARSING ALGORITHMS
       PERSONAL COMPUTERS
       WORD PROCESSING

COMPUTER VIRUSES
  0802
  RT   COMPUTER INFORMATION SECURITY
       COMPUTER PROGRAM INTEGRITY
       COMPUTER PROGRAMMING
       COMPUTER PROGRAMS
       COMPUTER SYSTEMS PROGRAMS
       SOFTWARE ENGINEERING

COMPUTER VISION
  0408
  UF   MACHINE VISION
  RT   ARTIFICIAL INTELLIGENCE
     % AUTOMATION
       EDGE DETECTION
       OPTICAL FLOW (IMAGE ANALYSIS)
       PATTERN RECOGNITION
       POSITION SENSING
       ROBOT SENSORS
       ROBOTICS
       ROBOTS

COMPUTERIZED CONTROL
  USE  NUMERICAL CONTROL

COMPUTERIZED DESIGN
  USE  COMPUTER AIDED DESIGN

COMPUTERIZED SIMULATION
  0804 4001 9001
  UF   ARIP (IMPACT PREDICTION)
       AUTOMATIC ROCKET IMPACT PREDICTORS
       COMPUTER SIMULATION
       IP (IMPACT PREDICTION)
  GS   SIMULATION
       #COMPUTERIZED SIMULATION
       ..ANALOG SIMULATION
       ..DIGITAL SIMULATION
  RT   ALGORITHMS
       ALTITUDE SIMULATION
       COMPUTATIONAL ASTROPHYSICS
       COMPUTATIONAL CHEMISTRY
       COMPUTER AIDED DESIGN
       COMPUTER AIDED MANUFACTURING
       COMPUTER AIDED MAPPING
       COMPUTER ANIMATION
       COMPUTERS
       CONTROL SIMULATION
       DIFFERENTIAL ANALYZERS
       FLIGHT SIMULATION
       HIGHLY MANEUVERABLE AIRCRAFT
       HYDRAULIC ANALOGIES
       LANDING SIMULATION
       LENNARD-JONES POTENTIAL
       MATHEMATICAL MODELS
     % MISSILE SIMULATORS
       MOLECULAR DYNAMICS
       MOTION SIMULATORS
       NUMERICAL WEATHER FORECASTING
       OPERATIONS RESEARCH
       SCIENTIFIC VISUALIZATION
       SIMULATED ANNEALING
       SYSTEMS SIMULATION
       TARGET SIMULATORS
       THREE DIMENSIONAL MODELS
       TWO DIMENSIONAL MODELS
       VIRTUAL REALITY

COMPUTERS
  0801 0802 0905 3502 4001
  GS   DATA PROCESSING EQUIPMENT
       #COMPUTERS
       ..ANALOG COMPUTERS
       ...EAI 680 COMPUTER
       ...HONEYWELL 600/6000 COMPUTER
       ...SIGMA 5 COMPUTER
       ...UNIVAC 1100 SERIES COMPUTERS
       ..CDC COMPUTERS
       ...CDC CYBER 74 COMPUTER
       ...CDC CYBER 170 SERIES COMPUTERS
       ....CDC CYBER 175 COMPUTER
       ...CDC CYBER 174 COMPUTER
       ...CDC CYBER 203 COMPUTER
       ...CDC CYBER 205 COMPUTER
       ...CDC STAR 100 COMPUTER
       ...CDC 160-A COMPUTER
       ...CDC 1604 COMPUTER
       ...CDC 3100 COMPUTER
       ...CDC 3200 COMPUTER
       ...CDC 3600 COMPUTER
       ...CDC 3800 COMPUTER
       ...CDC 6000 SERIES COMPUTERS
       ....CDC 6400 COMPUTER
       ....CDC 6600 COMPUTER
       ....CDC 6700 COMPUTER
       ...CDC 7000 SERIES COMPUTERS
       ....CDC 7600 COMPUTER
       ...CDC 8090 COMPUTER
       ..COUNTING RATE COMPUTERS
       ..DDP COMPUTERS
       ...DDP 516 COMPUTER
       ..DIGITAL COMPUTERS
       ...CDC CYBER 74 COMPUTER
       ...CDC CYBER 170 SERIES COMPUTERS
       ...CDC CYBER 174 COMPUTER
       ...CDC CYBER 203 COMPUTER
       ...CDC CYBER 205 COMPUTER
       ...CDC STAR 100 COMPUTER
       ...CDC 160-A COMPUTER
       ...CDC 1604 COMPUTER
       ...CDC 3100 COMPUTER
       ...CDC 3200 COMPUTER
       ...CDC 3600 COMPUTER
       ...CDC 3800 COMPUTER
       ...CDC 6000 SERIES COMPUTERS
       ....CDC 6400 COMPUTER
       ....CDC 6600 COMPUTER
       ....CDC 6700 COMPUTER
       ...CDC 7000 SERIES COMPUTERS
       ....CDC 7600 COMPUTER
       ...CDC 8090 COMPUTER
       ...EAI 680 COMPUTER
       ...EAI 8400 COMPUTER
       ...EAI 8900 COMPUTER
       ...EMR 6050 COMPUTER
       ...FERRANTI MERCURY COMPUTER
```

...GE COMPUTERS
....GE 625 COMPUTER
....GE 635 COMPUTER
...HEWLETT-PACKARD COMPUTERS
...HONEYWELL COMPUTERS
....DDP 516 COMPUTER
....HONEYWELL ADEPT COMPUTER
....HONEYWELL DDP 116 COMPUTER
....HONEYWELL 600/6000 COMPUTER
...IBM 360 COMPUTER
...IBM 370 COMPUTER
...IBM 650 COMPUTER
...IBM 704 COMPUTER
...IBM 709 COMPUTER
...IBM 1130 COMPUTER
...IBM 1401 COMPUTER
...IBM 1410 COMPUTER
...IBM 1620 COMPUTER
...IBM 2250 COMPUTER
...IBM 7030 COMPUTER
...IBM 7040 COMPUTER
...IBM 7044 COMPUTER
...IBM 7070 COMPUTER
...IBM 7074 COMPUTER
...IBM 7090 COMPUTER
...IBM 7094 COMPUTER
...ICL COMPUTERS
...ILLIAC COMPUTERS
....ILLIAC 3 COMPUTER
....ILLIAC 4 COMPUTER
...MICROCOMPUTERS
....PERSONAL COMPUTERS
.....IBM PERSONAL COMPUTERS
.....MACINTOSH PERSONAL COMPUTERS
...MINICOMPUTERS
....NOVA COMPUTERS
...MODCOMP II COMPUTER
...MODCOMP IV COMPUTER
...PARALLEL COMPUTERS
....MASSIVELY PARALLEL PROCESSORS
.....CONNECTION MACHINE
....MIMD (COMPUTERS)
....SIMD (COMPUTERS)
...PDP COMPUTERS
....PDP 7 COMPUTER
....PDP 8 COMPUTER
....PDP 9 COMPUTER
....PDP 10 COMPUTER
....PDP 11 COMPUTER
....PDP 11/20 COMPUTER
....PDP 11/40 COMPUTER
....PDP 11/45 COMPUTER
....PDP 11/50 COMPUTER
....PDP 11/70 COMPUTER
....PDP 12 COMPUTER
...PDP 15 COMPUTER
...PHILCO 2000 COMPUTER
...RAYTHEON COMPUTERS
...RCA SPECTRA 70 COMPUTER
...SDS 900 SERIES COMPUTERS
....SDS 930 COMPUTER
...SDS 9300 COMPUTER
...SEL COMPUTERS
...SEQUENTIAL COMPUTERS
...SIGMA COMPUTERS
....SIGMA 9 COMPUTER
...SIGMA 5 COMPUTER
...SOLOMON COMPUTERS
...UNIVAC LARC COMPUTER
...UNIVAC 80 COMPUTER
...UNIVAC 418 COMPUTER
...UNIVAC 490 COMPUTER
...UNIVAC 494 COMPUTER
...UNIVAC 1100 SERIES COMPUTERS
....UNIVAC 1105 COMPUTER
....UNIVAC 1106 COMPUTER
....UNIVAC 1107 COMPUTER
....UNIVAC 1108 COMPUTER
....UNIVAC 1110 COMPUTER
...UNIVAC 1230 COMPUTER
...VAX COMPUTERS
....VAX-11 SERIES COMPUTERS
.....VAX-11/780 COMPUTER
..EMBEDDED COMPUTER SYSTEMS
...AIRBORNE/SPACEBORNE COMPUTERS
..HYBRID COMPUTERS
..HYPERCUBE MULTIPROCESSORS
..IBM COMPUTERS
...IBM PERSONAL COMPUTERS
...IBM 360 COMPUTER
...IBM 370 COMPUTER
...IBM 650 COMPUTER
...IBM 704 COMPUTER
...IBM 709 COMPUTER
...IBM 1130 COMPUTER
...IBM 1401 COMPUTER
...IBM 1410 COMPUTER
...IBM 1620 COMPUTER
...IBM 2250 COMPUTER
...IBM 7030 COMPUTER
...IBM 7040 COMPUTER
...IBM 7044 COMPUTER
...IBM 7070 COMPUTER
...IBM 7074 COMPUTER
...IBM 7090 COMPUTER
...IBM 7094 COMPUTER
..MINOS COMPUTER
..OPTICAL COMPUTERS
..PEGASUS COMPUTER
..RCA COMPUTERS
...RCA SPECTRA 70 COMPUTER
...RCA-110 COMPUTERS
..SIEMENS 2002 COMPUTER
..SITE DATA PROCESSORS
..SUPERCOMPUTERS
...CONNECTION MACHINE
...CRAY COMPUTERS
..TRANSPUTERS
..UNIVAC COMPUTERS
...UNIVAC LARC COMPUTER
...UNIVAC 80 COMPUTER
...UNIVAC 418 COMPUTER
...UNIVAC 490 COMPUTER
...UNIVAC 494 COMPUTER
...UNIVAC 1100 SERIES COMPUTERS
....UNIVAC 1105 COMPUTER
....UNIVAC 1106 COMPUTER
....UNIVAC 1107 COMPUTER
....UNIVAC 1108 COMPUTER
....UNIVAC 1110 COMPUTER
...UNIVAC 1230 COMPUTER
RT APPLICATIONS PROGRAMS (COMPUTERS)
ARITHMETIC AND LOGIC UNITS
ARTIFICIAL INTELLIGENCE
AUTOMATA THEORY
% AUTOMATION
CALCULATORS
CENTRAL PROCESSING UNITS
COMPUTATION
COMPUTER COMPATIBLE TAPES
COMPUTER COMPONENTS
COMPUTER DESIGN
COMPUTER GRAPHICS
COMPUTER PROGRAM INTEGRITY
COMPUTER PROGRAMS
COMPUTER SYSTEMS PROGRAMS
COMPUTER TECHNIQUES
COMPUTERIZED SIMULATION
CONTROL DATA (COMPUTERS)
CONTROL UNITS (COMPUTERS)
CYBERNETICS
DATA CONVERTERS
DATA PROCESSING
DIGITAL TO VOICE TRANSLATORS
FILE MAINTENANCE (COMPUTERS)
FIXED POINT ARITHMETIC
FLOATING POINT ARITHMETIC
HAL/S (LANGUAGE)
HARDWARE
INFORMATION RETRIEVAL
INFORMATION THEORY
INTEL 8080 MICROPROCESSOR
LOGIC CIRCUITS
MACHINE-INDEPENDENT PROGRAMS
% MACHINERY

```
        MEMORY (COMPUTERS)
        MULTIPROCESSING (COMPUTERS)
        PRINTERS (DATA PROCESSING)
        READ-ONLY MEMORY DEVICES
        REAL TIME OPERATION
        RUN TIME (COMPUTERS)
        TELECOMMUNICATION
        VOCODERS

COMSAT PROGRAM
  0706 0802 3107 3409
  GS    PROGRAMS
        #COMSAT PROGRAM
  RT    COMMUNICATION SATELLITES
        EARLY BIRD SATELLITES
        TELSTAR PROJECT
        TELSTAR SATELLITES

COMSTAR C
  3107
  GS    ARTIFICIAL SATELLITES
        .COMMUNICATION SATELLITES
        ..COMMUNICATIONS TECHNOLOGY
          SATELLITE
        ..#COMSTAR C

COMSTAR SATELLITES
  3107
  GS    ARTIFICIAL SATELLITES
        .COMMUNICATION SATELLITES
        .#COMSTAR SATELLITES
  RT    SATELLITE NETWORKS

CONCATENATED CODES
  0705
  RT    BINARY CODES
      % CODES
        CODING
        DATA TRANSMISSION
        DECODING
        ERROR CORRECTING CODES
        REDUNDANCY ENCODING
        REED-SOLOMON CODES
        SIGNAL ENCODING
        TRELLIS CODING

CONCAVITY
  0101 0201 1902 2311 3203 3408
  RT    CONTOUR SENSORS
        CONTOURS
        CONVEXITY
        FLATNESS
        SHAPES
      % SURFACE GEOMETRY

CONCENTRATING
  3407 3408
  RT    ACCUMULATIONS
        ADSORPTION
        AGGLOMERATION
        BENEFICIATION
        CENTRIFUGING
        CLASSIFIERS
        COAGULATION
        COALESCING
        COMPRESSING
      % CONCENTRATION
        CONCENTRATORS
        CONDENSING
        CRYSTALLIZATION
        DISTILLATION
        DRYING
        ENRICHMENT
        EVAPORATION
        EXTRACTION
        FILTRATION
        FLOCCULATING
        FLOTATION
        PERCOLATION
        PRECIPITATION (CHEMISTRY)
      % SEPARATION
        SEPARATORS
        SETTLING
        SORPTION
        STRESS CONCENTRATION
        UPGRADING
        VAPORIZING

% CONCENTRATION
  3407 3408
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    CONCENTRATING
        CONCENTRATION (COMPOSITION)
        CROWDING
        FILTRATION
        ISOTOPIC ENRICHMENT

CONCENTRATION (COMPOSITION)
  3408
  GS    COMPOSITION (PROPERTY)
        #CONCENTRATION (COMPOSITION)
        ..ATOM CONCENTRATION
        ..CARBON DIOXIDE CONCENTRATION
        ..LOW CONCENTRATIONS
        ..MASCONS
        ..METEOROID CONCENTRATION
        ..MOISTURE CONTENT
        ...ATMOSPHERIC MOISTURE
  RT  % CONCENTRATION
        DILUTION
        PARTICULATE SAMPLING
        PURITY
        QUALITY
        SAMPLING
      % SATURATION
        SOLUBILITY

CONCENTRATORS
  0301 2201 3404
  GS    #CONCENTRATORS
        .SPIRALS (CONCENTRATORS)
  RT    ACCUMULATORS
        CENTRIFUGES
        CLASSIFIERS
      % CLASSIFYING
        COLUMNS (PROCESS ENGINEERING)
        CONCENTRATING
        EVAPORATORS
        FILTRATION
        FLUID FILTERS
        PRECIPITATORS
        RADIATIVE HEAT TRANSFER
        SEPARATORS
        SIZE SEPARATION
        SIZING SCREENS
        SOLAR COLLECTORS
        STILLS
        THERMAL RADIATION
        TRAPS
        WASHERS (CLEANERS)

CONCENTRIC CYLINDERS
  1902 3203
  RT  % CYLINDERS
        CYLINDRICAL SHELLS

CONCENTRIC SPHERES
  1902
  GS    SYMMETRICAL BODIES
        .BODIES OF REVOLUTION
        ..SPHERES
        ..#CONCENTRIC SPHERES
  RT    CONCENTRICITY

CONCENTRICITY
  3408
  RT  % CENTERS
        CONCENTRIC SPHERES
        ECCENTRICITY

CONCORDE AIRCRAFT
  0204
  GS    JET AIRCRAFT
```

```
        .TURBOFAN AIRCRAFT
        .#CONCORDE AIRCRAFT
        SUD AVIATION AIRCRAFT
        #CONCORDE AIRCRAFT
        SUPERSONIC AIRCRAFT
        .SUPERSONIC TRANSPORTS
        .#CONCORDE AIRCRAFT
        TRANSPORT AIRCRAFT
        #CONCORDE AIRCRAFT
  RT % AIRCRAFT

CONCRETE STRUCTURES
  1805
  RT    AGGREGATES
        BREAKWATERS
        CONSTRUCTION
        EARTHQUAKE RESISTANT STRUCTURES
        FOUNDATIONS
      % MATERIALS
        RIGID STRUCTURES
      % STRUCTURES
        TOWERS

CONCRETES
  1805 3202
  RT    ADMIXTURES
        AGGREGATES
        CEMENTS
      % CONSTRUCTION MATERIALS
        GROUT
        INSULATION
        MASONRY
        MORTARS (MATERIAL)
        PAVEMENTS
        STRUCTURAL MEMBERS

CONCURRENT PROCESSING
  0802
  GS    DATA PROCESSING
        #CONCURRENT PROCESSING
  RT    ARCHITECTURE (COMPUTERS)
        COMPUTER SYSTEMS DESIGN
        MIMD (COMPUTERS)
        MULTIPROCESSING (COMPUTERS)
        PARALLEL PROCESSING (COMPUTERS)
        SIMD (COMPUTERS)

CONDENSATES
  2003 3407
  RT    AITKEN NUCLEI
      % CONDENSATION
        CONDENSERS (LIQUEFIERS)
        CONDENSING
        CONTRAILS
        DROP SIZE
        LIQUEFIED GASES
        PLUMES
        VAPORS

% CONDENSATION
  1703 1805 2003 3407
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    CONDENSATES
        CONDENSATION NUCLEI
        CONDENSING
        GAS-METAL INTERACTIONS
        LIQUEFACTION
        MAYER PROBLEM
        RECTIFICATION

CONDENSATION NUCLEI
  2003
  GS   #CONDENSATION NUCLEI
        .AITKEN NUCLEI
  RT    AEROSOLS
        CLOUD PHYSICS
        CLOUDS (METEOROLOGY)
      % CONDENSATION
        CONDENSING
        DROPS (LIQUIDS)
        ICE NUCLEI
        METEOROLOGY
        MICROPARTICLES
        NUCLEATION
      % NUCLEI
        RAIN

CONDENSATION PUMPS
  1501 1504
  GS    PUMPS
        .VACUUM PUMPS
        .#CONDENSATION PUMPS
        VACUUM APPARATUS
        .VACUUM PUMPS
        .#CONDENSATION PUMPS

CONDENSATION TRAILS
  USE   CONTRAILS

CONDENSED MATTER PHYSICS
  2311
  RT    MATTER (PHYSICS)
        NEGATIVE MATTER
      % PHYSICS
      % SOLID STATE PHYSICS

CONDENSER RADIATORS
  USE   CONDENSERS (LIQUEFIERS)
        HEAT RADIATORS

% CONDENSERS
  0903 0904 1504 3303 3404 3501
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    CAPACITORS
        CONDENSERS (LIQUEFIERS)
        JET CONDENSERS
        PHOTOGRAPHIC RECTIFIERS

CONDENSERS (LIQUEFIERS)
  0303 3303 3501
  UF    CONDENSER RADIATORS
  GS   #CONDENSERS (LIQUEFIERS)
        .JET CONDENSERS
  RT    ABSORBERS (EQUIPMENT)
        AIR CONDITIONING
        AIR CONDITIONING EQUIPMENT
        COLD TRAPS
        COLUMNS (PROCESS ENGINEERING)
        COMPRESSORS
        CONDENSATES
      % CONDENSERS
        CONDENSING
        COOLING FINS
        COOLING SYSTEMS
        DISTILLATION EQUIPMENT
        DRYING APPARATUS
        EVAPORATORS
        EXHAUST SYSTEMS
        FILM CONDENSATION
        HEAT EXCHANGERS
        HEAT PUMPS
        LIQUEFIED GASES
        REFRIGERATING MACHINERY
        SEPARATORS
        SPACECRAFT RADIATORS
        VAPORIZERS

CONDENSING
  3303 3407 3501
  UF    GAS LIQUEFACTION
  GS   #CONDENSING
        .FILM CONDENSATION
  RT    ASSOCIATION REACTIONS
        CLOUD PHYSICS
        CONCENTRATING
        CONDENSATES
      % CONDENSATION
        CONDENSATION NUCLEI
        CONDENSERS (LIQUEFIERS)
        COOLING
        DEHUMIDIFICATION
```

```
        DEW POINT
        DISTILLATION
        DROP SIZE
        DROPS (LIQUIDS)
        EVAPORATION
        GAS-LIQUID INTERACTIONS
        GAS-METAL INTERACTIONS
        NUCLEATION
        PHASE CHANGE MATERIALS
        PHASE TRANSFORMATIONS
        REFRIGERATING
      % SATURATION
      % SEPARATION
        SUBLIMATION
        SUPERCOOLING
        SUPERSATURATION

CONDITIONED REFLEXES
  0408 0410
  GS    REFLEXES
        #CONDITIONED REFLEXES
  RT    CONDITIONING (LEARNING)
        REACTION TIME

CONDITIONED RESPONSES
  USE   CONDITIONING (LEARNING)

% CONDITIONING
  0502 3407
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    BENEFICIATION
        CONDITIONING (LEARNING)
        POWER CONDITIONING
        PRECONDITIONING

CONDITIONING (LEARNING)
  0408 0410
  UF    CONDITIONED RESPONSES
  GS    LEARNING
        #CONDITIONING (LEARNING)
  RT    BEHAVIOR
        BIOFEEDBACK
        CONDITIONED REFLEXES
      % CONDITIONING
        HABITUATION (LEARNING)
        INHIBITION (PSYCHOLOGY)

CONDITIONING (TREATING)
  USE   TREATMENT

CONDITIONS
  2311 3406 3408
  GS   #CONDITIONS
        .ADIABATIC CONDITIONS
        .BOUNDARY CONDITIONS
        .CHRONIC CONDITIONS
        .FLIGHT CONDITIONS
        .KUTTA-JOUKOWSKI CONDITION
        .LIPSCHITZ CONDITION
        .NONADIABATIC CONDITIONS
        .NONEQUILIBRIUM CONDITIONS
        .RUNWAY CONDITIONS

CONDOR MISSILE
  3101 3401
  GS    MISSILES
        .AIR TO SURFACE MISSILES
        .#CONDOR MISSILE

CONDUCTANCE
  USE   RESISTANCE

CONDUCTING
  USE   CONDUCTION

CONDUCTING FLUIDS
  2304
  SN    (EXCLUDES PLASMAS)
  RT    CONDUCTORS
        ELECTROLYTES
        MAGNETOHYDRODYNAMICS

CONDUCTING MEDIA
  USE   CONDUCTORS

CONDUCTING POLYMERS
  1810
  GS    CONDUCTORS
        .ELECTRIC CONDUCTORS
        .#CONDUCTING POLYMERS
  RT    ORGANIC SEMICONDUCTORS
        POLYACETYLENE
        POLYMERIC FILMS
      % POLYMERS
        SEMICONDUCTORS (MATERIALS)

% CONDUCTION
  0906 1001 1002 2302 3407
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  UF    CONDUCTING
  RT    ATTENUATION
        CONDUCTIVE HEAT TRANSFER
        CONVECTION
        ELECTRIC CONDUCTORS
        ELECTRIC POWER TRANSMISSION
        HEAT TRANSFER
        HEATING
        REFRACTION
        SOUND PROPAGATION
        SOUND TRANSMISSION
        THERMAL CONDUCTORS
        THERMAL DIFFUSION
        TRANSMISSION
        WAVE PROPAGATION

CONDUCTION BANDS
  2302 2602 2603
  GS    ENERGY BANDS
        #CONDUCTION BANDS
  RT    BAND STRUCTURE OF SOLIDS
      % BANDS
        BRILLOUIN ZONES
        ELECTRON TRANSITIONS
        FRANCK-CONDON PRINCIPLE
        NDM SEMICONDUCTOR DEVICES
        POLARONS
        QUANTUM WELLS
        SEMICONDUCTORS (MATERIALS)
        TRAPPING

CONDUCTION ELECTRONS
  1002 2302 2304 2403
  GS    PARTICLES
        .CHARGED PARTICLES
        ..ENERGETIC PARTICLES
        ...ELECTRONS
        ...#CONDUCTION ELECTRONS
  RT    FREE ELECTRONS
        QUANTUM WELLS
        VALENCE

CONDUCTIVE HEAT TRANSFER
  2302 3303 3501
  UF    HEAT CONDUCTION
  GS    TRANSMISSION
        .HEAT TRANSMISSION
        ..HEAT TRANSFER
        ..#CONDUCTIVE HEAT TRANSFER
  RT %  CONDUCTION
        CONVECTIVE HEAT TRANSFER
        LAMINAR HEAT TRANSFER
        THERMAL CONDUCTIVITY
        THERMAL CONDUCTORS

% CONDUCTIVITY
  0906 2302 2304 3408
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    ATMOSPHERIC CONDUCTIVITY
        ELECTRICAL PROPERTIES
```

C-4

ELECTRICAL RESISTIVITY
FLUID FLOW
IMPEDANCE
IONOSPHERIC CONDUCTIVITY
MAGNETORESISTIVITY
MOBILITY
OHMS LAW
PHOTOCONDUCTIVITY
PLASMA CONDUCTIVITY
SUPERCONDUCTING POWER TRANSMISSION
SUPERCONDUCTIVITY
THERMAL CONDUCTIVITY
TRANSCONDUCTANCE
TRANSPORT PROPERTIES
VOID RATIO

CONDUCTIVITY METERS
0904 1406
GS MEASURING INSTRUMENTS
#CONDUCTIVITY METERS
..ELECTRICAL CONDUCTIVITY METERS

CONDUCTORS
0901 0902 0904 0905 0906 1002 2302
UF CONDUCTING MEDIA
GS #CONDUCTORS
.BUS CONDUCTORS
.ELECTRIC CONDUCTORS
..BEAM LEADS
..CONDUCTING POLYMERS
.ELECTRIC WIRE
.ELECTROLYTES
..ANOLYTES
..CATHOLYTES
..ION EXCHANGE MEMBRANE ELECTROLYTES
..JUMPERS
..MOLTEN SALT ELECTROLYTES
..NONAQUEOUS ELECTROLYTES
..SOLID ELECTROLYTES
.FLAT CONDUCTORS
..BEAM LEADS
.PHOTOCONDUCTORS
.SUPERCONDUCTORS
..HIGH TEMPERATURE SUPERCONDUCTORS
...BSCCO SUPERCONDUCTORS
...YBCO SUPERCONDUCTORS
..ORGANIC SUPERCONDUCTORS
.THERMAL CONDUCTORS
RT ANTENNAS
CONDUCTING FLUIDS
EXPLODING WIRES
METALS
NONFERROUS METALS
ORGANIC SEMICONDUCTORS
SEMICONDUCTORS (MATERIALS)
SUBREFLECTORS

CONES
0404 1902 3105 3110
SN (LIMITED TO MATERIAL OBJECTS)
UF CONICAL FLARE
FUSIFORM SHAPES
GS #CONES
.CIRCULAR CONES
.CONICAL BODIES
..SLENDER CONES
.NOSE CONES
..ABLATIVE NOSE CONES
..ROCKET NOSE CONES
.SHATTER CONES
RT AERODYNAMIC CONFIGURATIONS
BODIES OF REVOLUTION
CONICAL SHELLS
CONICS
FRUSTUMS
HALF CONES
MACH CONES
SYMMETRICAL BODIES

CONES (VOLCANOES)
1305 1306 1308 3009
UF CINDER CONES
GS GEOLOGY
#CONES (VOLCANOES)
LANDFORMS
#CONES (VOLCANOES)
RT BASALT
CALDERAS
CRATERS
EFFUSIVES
GEOMORPHOLOGY
LAVA
MARS VOLCANOES
MOUNTAINS
OROGRAPHY
PALEOMAGNETISM
PETROLOGY
ROUSE BELTS
VOLCANOES
VOLCANOLOGY

CONFERENCES
0410 3402 3406
UF CONGRESSES
MEETINGS
PROCEEDINGS
SYMPOSIA
RT COMMITTEE ON SPACE RESEARCH
CONSULTING
CONVENTIONS
% DISCUSSION
DOCUMENTATION
DOCUMENTS
PAPERS
REPORTS
STARSITE PROGRAM
TELECONFERENCING

CONFIDENCE
1905 4001
RT CORRELATION
ERRORS
PROBABILITY THEORY
PSYCHOLOGICAL EFFECTS
QUALITY CONTROL
RELIABILITY
RISK
STATISTICAL ANALYSIS

CONFIDENCE LIMITS
1902 1905
RT CONTINGENCY
ESTIMATES
FORECASTING
MAXIMUM LIKELIHOOD ESTIMATES
% MEASUREMENT
NULL HYPOTHESIS
PRECISION
PREDICTIONS
QUALITY CONTROL
RANGE (EXTREMES)
RELIABILITY
RISK
SAMPLING
SIGNIFICANCE
STANDARD DEVIATION
STATISTICAL ANALYSIS
STATISTICAL TESTS
% TESTS
VARIANCE (STATISTICS)

CONFIGURATION INTERACTION
1902
RT COMPUTATIONAL CHEMISTRY
ELECTRON ORBITALS
% INTERACTIONS
INTERMOLECULAR FORCES
MOLECULAR INTERACTIONS
MOLECULAR STRUCTURE
% STRUCTURES

CONFIGURATION MANAGEMENT
3404 3406 4001
GS MANAGEMENT

#CONFIGURATION MANAGEMENT
RT % CONFIGURATIONS

% CONFIGURATIONS
0101 0202 1902 2311 3406
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT AERODYNAMIC CONFIGURATIONS
AIRCRAFT CONFIGURATIONS
BODY-WING AND TAIL CONFIGURATIONS
CANARD CONFIGURATIONS
CONFIGURATION MANAGEMENT
LAUNCH VEHICLE CONFIGURATIONS
MISSILE CONFIGURATIONS
PROPULSION SYSTEM CONFIGURATIONS
SPACECRAFT CONFIGURATIONS
STAGGERING
TORPEDOES

CONFINEMENT
2203 2502 0504 0507
RT ASTRONAUT PERFORMANCE
CONTAINMENT
ISOLATION
MAGNETIC COMPRESSION
NUCLEAR REACTOR CONTROL
PLASMA CONTROL
PLASMA EQUILIBRIUM
SENSORY DEPRIVATION

CONFINING
0401 3407
RT ASTRONAUT PERFORMANCE
DEPRIVATION
ISOLATION
SENSORY DEPRIVATION

CONFIRMATION
USE PROVING

CONFLUENCE
USE CONVERGENCE

CONFORMAL MAPPING
1902
UF CONFORMAL TRANSFORMATIONS
GS ANALYSIS (MATHEMATICS)
.COMPLEX VARIABLES
.#CONFORMAL MAPPING
FUNCTIONS (MATHEMATICS)
#CONFORMAL MAPPING
RT COORDINATE TRANSFORMATIONS
EULER-CAUCHY EQUATIONS
GRAPHS (CHARTS)
INVARIANT IMBEDDINGS
ISOPARAMETRIC FINITE ELEMENTS
JACOBI INTEGRAL
LIGHTHILL METHOD
MINIMAL SURFACES
SCHWARZ-CHRISTOFFEL TRANSFORMATION
THEODORSEN TRANSFORMATION

CONFORMAL TRANSFORMATIONS
USE CONFORMAL MAPPING

CONFUSION
3406
RT ENTRAPMENT
TANGLING

CONGENERS
0404
RT % CHEMICAL COMPOUNDS
CLASSIFICATIONS
ISOMERS
MUSCLES
TAUTOMERS

CONGENITAL ANOMALIES
0404 0408
UF CONGENITAL CONDITIONS
RT CHROMOSOMES
GENETICS
HEREDITY
RHESUS FACTOR

CONGENITAL CONDITIONS
USE CONGENITAL ANOMALIES

CONGESTION
0404 0408
RT CIRCULATION
ISCHEMIA
PNEUMONIA
RESPIRATORY DISEASES
VASODILATION

CONGO (BRAZZAVILLE)
1305
UF BRAZZAVILLE
FRENCH EQUATORIAL CONGO
GS NATIONS
#CONGO (BRAZZAVILLE)
RT AFRICA

CONGO (KINSHASA)
USE ZAIRE

CONGRESSES
USE CONFERENCES

CONGRESSIONAL REPORTS
3405
UF PROCEEDINGS
GS REPORTS
#CONGRESSIONAL REPORTS
RT DOCUMENTS
PRESIDENTIAL REPORTS

CONGRUENCES
1902 3406
GS NUMBER THEORY
#CONGRUENCES
RT % COHERENCE
COLLOCATION
DIVIDING (MATHEMATICS)
GEOMETRY
IDENTITIES
INTEGERS
SYMMETRY

CONICAL BODIES
1202 3202 0102
UF CONOIDS
GS CONES
#CONICAL BODIES
..SLENDER CONES
SYMMETRICAL BODIES
.BODIES OF REVOLUTION
.#CONICAL BODIES
...SLENDER CONES
RT AFTERBODIES
AXISYMMETRIC BODIES

CONICAL CAMBER
0104
GS CAMBER
#CONICAL CAMBER
RT WING CAMBER

CONICAL FLARE
USE CONES

CONICAL FLOW
1202 1203
GS FLUID FLOW
#CONICAL FLOW
RT AXISYMMETRIC FLOW
BAFFLES
% DIFFUSERS
MULTIPHASE FLOW
SEPARATED FLOW
THREE DIMENSIONAL FLOW
WALL FLOW

```
      WEDGE FLOW

CONICAL INLETS
  1504 3202
  GS   INTAKE SYSTEMS
       #CONICAL INLETS
  RT   AIR INTAKES
       CONICAL NOZZLES
       FUNNELS

CONICAL NOZZLES
  1201 1504 2806 3501
  RT   ANNULAR NOZZLES
       CONICAL INLETS
       CONVERGENT NOZZLES
       CONVERGENT-DIVERGENT NOZZLES
       DIVERGENT NOZZLES
       EXHAUST DIFFUSERS
       EXHAUST NOZZLES
       HYPERSONIC NOZZLES
       INLET NOZZLES
     % JET NOZZLES
       NOZZLE GEOMETRY
       NOZZLE INSERTS
       NOZZLE WALLS
     % NOZZLES
       PLUG NOZZLES
       ROCKET NOZZLES
       SKIRTS
       SONIC NOZZLES
       SPIKE NOZZLES
       SPRAY NOZZLES
       SUPERSONIC NOZZLES
       TRANSONIC NOZZLES
       TURBINE EXHAUST NOZZLES
       WIND TUNNEL NOZZLES

CONICAL SCANNING
  0705
  GS   SCANNING
       #CONICAL SCANNING
  RT   EXAMINATION
       FIELD OF VIEW
       MONITORS
       PANORAMIC SCANNING
       RADAR SCANNING
       READERS
       READING
       SCANNERS
       SEARCHING
       SURVEILLANCE

CONICAL SHELLS
  3202
  GS   SHELLS (STRUCTURAL FORMS)
       #CONICAL SHELLS
  RT   CONES

CONICS
  1202 1902
  GS   GEOMETRY
       .EUCLIDEAN GEOMETRY
       ..ANALYTIC GEOMETRY
       ..#CONICS
       ....ELLIPSES
       ....HYPERBOLAS
       ....PARABOLAS
  RT   CONES
       HALF CONES
       LOCI

CONIFERS
  0409
  GS   PLANTS (BOTANY)
       .TREES (PLANTS)
       .#CONIFERS
  RT   DECIDUOUS TREES
       FORESTS
       TIMBER IDENTIFICATION
     % TREES

CONJUGATE GRADIENT METHOD
  1902 3501
  GS   ANALYSIS (MATHEMATICS)
       .NUMERICAL ANALYSIS
       ..ITERATION
       ..#CONJUGATE GRADIENT METHOD
  RT   ALGORITHMS
       CONJUGATES
       GRADIENTS
       ITERATIVE SOLUTION

CONJUGATE POINTS
  1307 1902
  GS   ANALYSIS (MATHEMATICS)
       .COMPLEX VARIABLES
       ..CONJUGATES
       ..#CONJUGATE POINTS
  RT   LINES OF FORCE
       MAGNETIC FIELDS

CONJUGATED CIRCUITS
  0904
  GS   CIRCUITS
       #CONJUGATED CIRCUITS

CONJUGATES
  1902
  GS   ANALYSIS (MATHEMATICS)
       .COMPLEX VARIABLES
       .#CONJUGATES
       ...CONJUGATE POINTS
  RT   CHOLESKY FACTORIZATION
       CONJUGATE GRADIENT METHOD
       CONJUGATION
       FINITE ELEMENT METHOD

CONJUGATION
  0404 3407
  GS  #CONJUGATION
       .PHASE CONJUGATION
       ..FOUR-WAVE MIXING
  RT   CONJUGATES

% CONJUNCTION
  1901
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   BOOLEAN ALGEBRA
       OCCULTATION
       ORBITS
       PROBABILITY THEORY
       SET THEORY

CONJUNCTIVA
  0404
  GS   ANATOMY
       .SENSE ORGANS
       ..EYE (ANATOMY)
       ..#CONJUNCTIVA
       MEMBRANES
       #CONJUNCTIVA
  RT   CONJUNCTIVITIS
       KERATITIS
       VISION

CONJUNCTIVITIS
  0404
  GS   DISEASES
       .EYE DISEASES
       .#CONJUNCTIVITIS
       .INFECTIOUS DISEASES
       .#CONJUNCTIVITIS
  RT   BACTERIAL DISEASES
       CONJUNCTIVA

CONNECTICUT
  1305
  GS   NATIONS
       .UNITED STATES
       .#CONNECTICUT
  RT   NEW HAVEN (CT)

CONNECTION MACHINE
```

0800 0801 0803
GS DATA PROCESSING EQUIPMENT
.COMPUTERS
..DIGITAL COMPUTERS
...PARALLEL COMPUTERS
....MASSIVELY PARALLEL PROCESSORS
....#CONNECTION MACHINE
..SUPERCOMPUTERS
..#CONNECTION MACHINE
RT ARCHITECTURE (COMPUTERS)
INTERPROCESSOR COMMUNICATION
MULTIPROCESSING (COMPUTERS)
PARALLEL PROCESSING (COMPUTERS)

CONNECTIONS
USE JOINTS (JUNCTIONS)

CONNECTIVE TISSUE
0404
GS ANATOMY
.MUSCULOSKELETAL SYSTEM
.#CONNECTIVE TISSUE
...BONE MARROW
...CARTILAGE
...COLLAGENS
RT ADIPOSE TISSUES
BONES
EXOSKELETONS
JOINTS (ANATOMY)
LIGAMENTS
TENDONS

CONNECTORS
0902 0904 0905
GS #CONNECTORS
.ELECTRIC CONNECTORS
.UMBILICAL CONNECTORS
.UNIONS (CONNECTORS)
RT ADAPTERS
CORDAGE
COUPLINGS
DISCONNECT DEVICES
FASTENERS
FITTINGS
FLANGES
FLAT CONDUCTORS
JOINTS (JUNCTIONS)
JUMPERS
% JUNCTIONS
LINKAGES
SLEEVES
% TERMINALS
YOKES

CONNECTORS (ELECTRIC)
USE ELECTRIC CONNECTORS

CONOIDS
USE CONICAL BODIES

CONSCIOUSNESS
0404 0405 0408 0410
GS PERCEPTION
.SENSORY PERCEPTION
.#CONSCIOUSNESS
RT ATTENTION
MENTAL PERFORMANCE
RECOGNITION
SLEEP DEPRIVATION

CONSECUTIVE EVENTS
3406
GS EVENTS
#CONSECUTIVE EVENTS
RT INTERVALS
PETRI NETS
PROBABILITY THEORY
SCHEDULING
SEQUENCING
SEQUENTIAL CONTROL
TIME MEASUREMENT

CONSERVATION
0505 2308 2311
GS #CONSERVATION
.ENERGY CONSERVATION
RT AGRICULTURE
DEFORESTATION
DROUGHT
ENERGY POLICY
ENVIRONMENT MANAGEMENT
FIREBREAKS
FOREST MANAGEMENT
FORESTS
HABITATS
LAND USE
NEWTON SECOND LAW
NONCONSERVATIVE FORCES
PARITY
POTABLE WATER
REGIONAL PLANNING
RURAL LAND USE
SOIL SCIENCE
SOILS
WATER MANAGEMENT
WATER RECLAMATION

CONSERVATION EQUATIONS
2308 2311 3501
RT BERNOULLI THEOREM
CONTINUITY EQUATION
% EQUATIONS
NONCONSERVATIVE FORCES
VORTICITY TRANSPORT HYPOTHESIS

CONSERVATION LAWS
2308 2311
GS LAWS
#CONSERVATION LAWS
RT MOMENTUM THEORY
NEWTON THEORY
NONCONSERVATIVE FORCES

CONSISTENCY
1202 1503 1505 2311 3406
RT ABILITIES
ACCURACY
COMPUTER SYSTEMS PERFORMANCE
EFFORT
ERRORS
LEVELING
LINEARITY
% MEASUREMENT
% PERFORMANCE
PRECISION
QUALITY
RATINGS
RELIABILITY
TOLERANCES (MECHANICS)
VALIDITY
VARIABILITY

CONSOLES
0701 0802
GS #CONSOLES
.REMOTE CONSOLES
RT AUTOMATIC TYPEWRITERS
COMPUTER COMPONENTS
CONTROL BOARDS
DATA PROCESSING TERMINALS
DISPLAY DEVICES
% EQUIPMENT
HEAD-UP DISPLAYS
MAN MACHINE SYSTEMS
MANUAL CONTROL

CONSOLIDATION
2311 3203 3406
RT % COMBINATION
DENSIFICATION
LIQUID PHASE SINTERING
OVERCONSOLIDATION
STABILIZATION

CONSONANTS (SPEECH)

```
  2311 3408
  RT   SPEECH
       VOWELS
       WORDS (LANGUAGE)

% CONSTANT
  1902
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   COEFFICIENTS
       CONSTANTS
       INVARIANCE
       TIME CONSTANT

CONSTANT SPEED PROPELLERS
  USE  VARIABLE PITCH PROPELLERS

CONSTANT VOLUME BALLOONS
  USE  SUPERPRESSURE BALLOONS

CONSTANTAN
  0904 1406 1408 3304
  GS   ALLOYS
       #CONSTANTAN
  RT   COPPER
       NICKEL
       THERMOCOUPLES

CONSTANTS
  1902
  GS  #CONSTANTS
       .BOHR MAGNETON
       .GRAVITATIONAL CONSTANT
       .GRUNEISEN CONSTANT
       .HUBBLE CONSTANT
       .PLANCKS CONSTANT
       .SOLAR CONSTANT
       .TIME CONSTANT
       ..PERCEPTUAL TIME CONSTANT
  RT   COEFFICIENTS
     % CONSTANT

CONSTELLATIONS
  3001
  GS  #CONSTELLATIONS
       .ANDROMEDA CONSTELLATION
       .ARIES CONSTELLATION
       .AURIGA CONSTELLATION
       .CASSIOPEIA CONSTELLATION
       .CENTAURUS CONSTELLATION
       .CEPHEUS CONSTELLATION
       .CORONA BOREALIS CONSTELLATION
       .CYGNUS CONSTELLATION
       .LYRA CONSTELLATION
       .ORION CONSTELLATION
       .SAGITTARIUS CONSTELLATION
       .SCORPIUS CONSTELLATION
       .SCUTUM CONSTELLATION
       .TAURUS CONSTELLATION
  RT   CELESTIAL SPHERE
       PLANISPHERES
       STARS
       ZODIAC

CONSTITUTION
  2401 2404 3403
  RT   ATOMIC STRUCTURE
       GOVERNMENTS
       LAW (JURISPRUDENCE)

CONSTITUTIONAL DIAGRAMS
  USE  PHASE DIAGRAMS

CONSTITUTIVE EQUATIONS
  2304 2402 3501
  RT   ELECTRIC FIELDS
     % EQUATIONS
       MAGNETIC CHARGE DENSITY
       MAGNETIC FIELDS
       MAGNETIC FLUX

CONSTRAINTS
  1902 2308 2403
  UF   HINDRANCE
       LIMITATIONS
       RESTRAINTS
  GS  #CONSTRAINTS
       .METEOROLOGICAL PARAMETERS
       ..BRUNT-VAISALA FREQUENCY
  RT   BLOCKING
       CONSTRICTIONS
       DYNAMIC PROGRAMMING
     % HOLDING
       LINEAR PROGRAMMING
       NONLINEAR PROGRAMMING
       OPERATIONS RESEARCH
       OPTIMIZATION
       PENALTY FUNCTION
       RANGE (EXTREMES)
       RETAINING

CONSTRICTIONS
  0202 1001 1202 1504 2501 2806
  UF   RESTRICTIONS
  RT % BARRIERS
       BLOCKING
       CHOKES (RESTRICTIONS)
       CLOSURES
       CONSTRAINTS
       CONTRACTS
       IMPEDANCE
       PLUGGING
     % RESISTANCE
       RETARDERS (DEVICES)
       SEALS (STOPPERS)
       STOPPING

CONSTRICTORS
  0404 0408
  GS   ANATOMY
       .MUSCULOSKELETAL SYSTEM
       ..MUSCLES
       ..#CONSTRICTORS

CONSTRUCTION
  0101 1102 1105 1106 1108 3203 3404
  3501
  SN   (EXCLUDES TYPES OF STRUCTURES)
  UF   ERECTION
  RT   ARCHITECTURE
       ASSEMBLING
       BRIDGES (STRUCTURES)
       BUILDINGS
       CAISSONS
       CONCRETE STRUCTURES
     % CONSTRUCTION MATERIALS
       CONTRACTORS
       CONTRACTS
     % DESIGN
       EXCAVATION
       FABRICATION
       HIGHWAYS
       INSPECTION
       INSTALLING
       LAYOUTS
       MAINTENANCE
       MASONRY
       QUALITY CONTROL
       RECONSTRUCTION
       RIGGING
       SHIPYARDS
       SPACE MANUFACTURING
       STARSITE PROGRAM
       STEEL STRUCTURES
       STRESS ANALYSIS
       STRUCTURAL ANALYSIS
       STRUCTURAL DESIGN
       STRUCTURAL ENGINEERING
       STRUCTURAL MEMBERS
       SURVEYS
       TUNNELING (EXCAVATION)
       WELDING

CONSTRUCTION IN SPACE
```

```
  USE  ORBITAL ASSEMBLY

CONSTRUCTION INDUSTRY
  3404
  GS   INDUSTRIES
       #CONSTRUCTION INDUSTRY
  RT   BRIDGES (STRUCTURES)
       BUILDINGS
       CONTRACTORS
       INDUSTRIAL AREAS
       INDUSTRIAL PLANTS
       TOWERS
       TRUSSES

% CONSTRUCTION MATERIALS
  0101 1801 1805 3203 3404
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  UF   BUILDING MATERIALS
       STRUCTURAL MATERIALS
  RT   AGGREGATES
       AIRCRAFT CONSTRUCTION MATERIALS
       AIRCRAFT SURVIVABILITY
       AIRFRAME MATERIALS
       ARCHITECTURE
       BITUMENS
       BOARDS (PAPER)
       BRICKS
       CEMENTS
       COMPOSITE MATERIALS
       CONCRETES
       CONSTRUCTION
       GRAPHITE-EPOXY COMPOSITES
       GROUT
       INSULATION
       LATHES
       MASONITE (TRADEMARK)
       MASONRY
     % MATERIALS
       PANELS
       PLASTICS
       POLYMER MATRIX COMPOSITES
       PROTECTIVE COATINGS
       REACTOR MATERIALS
       SKIN (STRUCTURAL MEMBER)
       SPACECRAFT CONSTRUCTION MATERIALS
       STRUCTURAL MEMBERS

CONSULTING
  3406
  RT   CONFERENCES
       MANAGEMENT PLANNING
       PERSONNEL
       RESOURCES

CONSUMABLES (SPACECRAFT)
  1108
  GS   #CONSUMABLES (SPACECRAFT)
       .STORABLE PROPELLANTS
  RT   CONSUMABLES (SPACECREW SUPPLIES)
       PROPELLANT STORAGE
       SPACE LOGISTICS
       WORKING FLUIDS

CONSUMABLES (SPACECREW SUPPLIES)
  0401 0505
  GS   #CONSUMABLES (SPACECREW SUPPLIES)
       .SPACE RATIONS
  RT   CLOTHING
       CONSUMABLES (SPACECRAFT)
       DEHYDRATED FOOD
     % FOOD
       FOOD PRODUCTION (IN SPACE)
       HYGIENE
       POTABLE WATER
       PROVISIONING
       SANITATION
       SPACE FLIGHT FEEDING
       SPACE LOGISTICS
       SURVIVAL EQUIPMENT

CONSUMERS
  3402
  RT   CONSUMPTION
       MARKET RESEARCH
       MARKETING
       PRODUCT DEVELOPMENT

CONSUMPTION
  0404 2701 2702 2808
  GS   #CONSUMPTION
       .ENERGY CONSUMPTION
       .FUEL CONSUMPTION
       .OXYGEN CONSUMPTION
       .WATER CONSUMPTION
  RT   COMMERCE
       CONSUMERS
       DEMAND (ECONOMICS)
       DEPLETION
       EXHAUSTING
       EXHAUSTION
       SUPPLYING
       UTILIZATION

CONTACT DERMATITIS
  0405
  GS   DISEASES
       .INFECTIOUS DISEASES
       ..DERMATITIS
       ..#CONTACT DERMATITIS
  RT   ALLERGIC DISEASES
       DERMATOLOGY
       EPIDERMIS
       ITCHING
       SKIN (ANATOMY)

CONTACT LENSES
  0405 0408
  GS   LENSES
       #CONTACT LENSES
  RT   EYEPIECES
       RETICLES

CONTACT LOADS
  1501 1503 3201 3203 3204
  GS   LOADS (FORCES)
       .DYNAMIC LOADS
       .#CONTACT LOADS
       ...ROLLING CONTACT LOADS
  RT   COMPRESSION LOADS
       DYNAMIC PRESSURE
       IMPACT LOADS
       RANDOM LOADS
       SHOCK LOADS
     % SLIDING CONTACT
       TRANSIENT LOADS

CONTACT POTENTIALS
  1704 2304
  GS   POTENTIAL ENERGY
       .ELECTRIC POTENTIAL
       .#CONTACT POTENTIALS
  RT   ELECTRIC CONTACTS
       SURFACE PROPERTIES

CONTACT RESISTANCE
  1001 1002 2304
  GS   ELECTRICAL PROPERTIES
       .ELECTRICAL IMPEDANCE
       ..ELECTRICAL RESISTANCE
       ..#CONTACT RESISTANCE
       IMPEDANCE
       .ELECTRICAL IMPEDANCE
       ..ELECTRICAL RESISTANCE
       ..#CONTACT RESISTANCE
  RT   ELECTRIC CONTACTS
       NONOHMIC EFFECT
     % RESISTANCE
       SURFACE PROPERTIES

CONTACTORS
  0902 0904 1504
  SN   (EXCLUDES ELECTRIC SWITCHES)
  RT   CARBURETORS
```

CHEMICAL REACTORS
COLUMNS (PROCESS ENGINEERING)
ELECTRIC SWITCHES
MIXERS
SPRAYERS

CONTACTS (ELECTRIC)
USE ELECTRIC CONTACTS

CONTACTS (GEOLOGY)
1306
RT FORMATIONS
GEOLOGY
METAMORPHISM (GEOLOGY)
MINERAL DEPOSITS
ROCK INTRUSIONS
ROCKS

CONTAINERLESS MELTS
0602 2601 2603 3404 3407
GS MELTS (CRYSTAL GROWTH)
#CONTAINERLESS MELTS
RT CRYSTAL GROWTH
CRYSTALLIZATION
CRYSTALS
DIRECTIONAL SOLIDIFICATION
(CRYSTALS)
LIQUID BRIDGES
LOW GRAVITY MANUFACTURING
MANUFACTURING
MELTING
ORBITAL WORKSHOPS
SPACE PROCESSING
WEIGHTLESSNESS

% CONTAINERS
0202 0505 1103 1502 2806 3203
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
UF RECEPTACLES (CONTAINERS)
RT AMPOULES
AUTOCLAVES
BAGS
BARRELS (CONTAINERS)
BASKETS
BIOPAKS
BOTTLES
BOXES (CONTAINERS)
BUNDLES
CANS
% CAPSULES
CARTRIDGES
CASES (CONTAINERS)
CRUCIBLES
DISPOSAL
DRUMS (CONTAINERS)
ENCLOSURES
FUEL TANKS
GLASSWARE
HOPPERS
HOUSINGS
MATERIALS HANDLING
MICROMODULES
PACKAGES
PACKAGING
PRESERVING
PRESSURE VESSELS
PROTECTORS
REELS
SPOOLS
SPRAYERS
TANKS (CONTAINERS)
TRANSPORTER
TRAYS
WING TANKS

CONTAINMENT
2204 3407
RT ASTEROID CAPTURE
BLOCKING
BURST TESTS
CONFINEMENT
RETAINING
SEALING
STOPPING

CONTAMINANTS
0411 0504 0505 0602
UF NOXIOUS MATERIALS
POLLUTANTS
GS #CONTAMINANTS
.RADIOACTIVE CONTAMINANTS
.TRACE CONTAMINANTS
RT CHLOROFLUOROCARBONS
CHLOROFLUOROMETHANE
CONTAMINATION
DECONTAMINATION
DILUENTS
DIRT
DUST
EFFLUENTS
ENVIRONMENT EFFECTS
ENVIRONMENTAL QUALITY
FUEL CONTAMINATION
IMPURITIES
% MATERIALS
NONPOINT SOURCES
PARTICULATES
POLLUTION
PURITY
QUALITY
WASTES
WATER TREATMENT

CONTAMINATION
0411 0412 0601 1505 3404
GS #CONTAMINATION
.FUEL CONTAMINATION
.SPACECRAFT CONTAMINATION
RT AIR POLLUTION
ANTIFOULING
ANTIINFECTIVES AND ANTIBACTERIALS
CONTAMINANTS
DECONTAMINATION
ENVIRONMENT EFFECTS
FOULING
INTRUSION
MOLECULAR SHIELDS
NONPOINT SOURCES
POLLUTION
PURITY
RADIOACTIVE WASTES
WATER POLLUTION

CONTENT
0601 3404 3405
GS #CONTENT
.BONE MINERAL CONTENT
RT % COMPONENTS
% COMPOSITION
INGREDIENTS

CONTEXT
0703
RT NATURAL LANGUAGE (COMPUTERS)
PATTERN RECOGNITION

CONTEXT FREE LANGUAGES
0802 0803
GS LANGUAGES
.PROGRAMMING LANGUAGES
.#CONTEXT FREE LANGUAGES
RT COMPUTER PROGRAMMING
SYMBOLIC PROGRAMMING

CONTINENTAL DRIFT
1306
RT CONTINENTS
EARTH CRUST
EARTH PLANETARY STRUCTURE
GEOMAGNETISM
GEOPHYSICS
PALEOMAGNETISM

CONTINENTAL MARGINS
  USE CONTINENTAL SHELVES

CONTINENTAL SHELVES
  1305 1306
  UF CONTINENTAL MARGINS
  RT GEOLOGY
      OCEAN BOTTOM
      SEAMOUNTS
    % SHELVES

CONTINENTS
  1305
  GS #CONTINENTS
      .AFRICA
      .ASIA
      .AUSTRALIA
      .EUROPE
      .NORTH AMERICA
      .SOUTH AMERICA
  RT ANTARCTIC REGIONS
      CENTRAL EUROPE
      CONTINENTAL DRIFT
      CRATONS
      GEOGRAPHY
      MOUNTAINS
      TRANSCONTINENTAL SYSTEMS

CONTINGENCY
  1501 3406
  RT CONFIDENCE LIMITS
      CORRELATION
      ESTIMATES
      EXPECTATION
      MATERIALS HANDLING
      PREDICTIONS
      RESERVES
      RISK

CONTINUITY
  0804 1902 2311
  RT CONTINUITY (MATHEMATICS)
      COORDINATION
      SCHEDULING
      TOPOLOGY
      VARIABILITY

CONTINUITY (MATHEMATICS)
  1902 1903 1905
  GS ANALYSIS (MATHEMATICS)
      .CALCULUS
      .#CONTINUITY (MATHEMATICS)
  RT CONTINUITY
      FUNCTIONS (MATHEMATICS)
      ISOPERIMETRIC PROBLEM
      NORMAL DENSITY FUNCTIONS
      POISSON DENSITY FUNCTIONS
      PROBABILITY DENSITY FUNCTIONS
      REGULARITY
      STATISTICAL ANALYSIS
      SYMMETRY
      TOPOLOGY

CONTINUITY EQUATION
  1202 1203 1902 2003 2304 3303 3501
  RT CONSERVATION EQUATIONS
      CONTINUUM MECHANICS
      CROCCO-LEE THEORY
    % EQUATIONS
      EQUATIONS OF MOTION
      EQUATIONS OF STATE
      FLUID DYNAMICS
      NONCONSERVATIVE FORCES
      STEADY FLOW

CONTINUOUS FLOW ELECTROPHORESIS
  USE ELECTROPHORESIS

CONTINUOUS NOISE
  0704 0705
  RT % NOISE
      NOISE PROPAGATION
      SOUND GENERATORS

CONTINUOUS RADIATION
  0710 1411 1902 2306 2310 2402
  UF CONTINUOUS WAVES
  GS #CONTINUOUS RADIATION
      .MODULATED CONTINUOUS RADIATION
  RT ABSORPTION SPECTRA
      BACKGROUND RADIATION
      COHERENT RADIATION
      CORPUSCULAR RADIATION
      ELASTIC WAVES
      ELECTROMAGNETIC RADIATION
      EMISSION SPECTRA
      PULSED RADIATION
    % RADIATION
    % RAYS

CONTINUOUS SPECTRA
  1411 2304 2402 2901 2902 2903
  GS SPECTRA
      #CONTINUOUS SPECTRA
  RT ASTRONOMICAL SPECTROSCOPY
      SOLAR SPECTRA
      SPECTRAL EMISSION
      STELLAR SPECTRA

CONTINUOUS WAVE LASERS
  0710 1411 1601
  GS STIMULATED EMISSION DEVICES
      .LASERS
      .#CONTINUOUS WAVE LASERS
  RT ARGON LASERS
      CARBON DIOXIDE LASERS
      CARBON MONOXIDE LASERS
      LASER STABILITY
      SOLID STATE LASERS

CONTINUOUS WAVE RADAR
  0702 0705 0707 0709 3401
  UF CW RADAR
  GS RADAR
      #CONTINUOUS WAVE RADAR
  RT COHERENT RADAR
      DOPPLER RADAR
      PULSE RADAR
      RADAR DETECTION
      RADAR RANGE
      SEARCH RADAR
      SURVEILLANCE RADAR
      TRACKING RADAR

CONTINUOUS WAVES
  USE CONTINUOUS RADIATION

CONTINUUM FLOW
  1202 1203
  GS FLUID FLOW
      .GAS FLOW
      .#CONTINUUM FLOW
  RT FREE MOLECULAR FLOW
      MOLECULAR FLOW
      RAREFIED GAS DYNAMICS
      SLIP FLOW

CONTINUUM MECHANICS
  1202 1905 2308 2311 3203
  RT BURGER EQUATION
      CLASSICAL MECHANICS
      CONTINUITY EQUATION
      CONTINUUM MODELING
    % DYNAMICS
      FLOW THEORY
      FLUID MECHANICS
      MAXWELL BODIES
    % MECHANICS (PHYSICS)
      MULTIPOLAR FIELDS
      SOLID MECHANICS
      STATISTICAL MECHANICS
      STRESS TENSORS

CONTINUUM MODELING
  1202

```
  RT    CONTINUUM MECHANICS
        CONTINUUMS
        LARGE SPACE STRUCTURES
        MATHEMATICAL MODELS
        STRUCTURAL ANALYSIS

CONTINUUMS
  1902 2311
  RT    CONTINUUM MODELING
        PROBABILITY THEORY
        REAL VARIABLES
        RELATIVITY
        TOPOLOGY

CONTOUR SENSORS
  1409
  RT    BOUNDARIES
        CONCAVITY
        CONTOURS
        CONVEXITY
        IMAGERY
        IMAGES
      % SENSORS
        SHAPES
        TOPOGRAPHY

CONTOURS
  1303 1304 1306 1902 1903 2003
  UF    CURVED SURFACES
  RT    CONCAVITY
        CONTOUR SENSORS
        CONVEXITY
        CURVED PANELS
        DATUM (ELEVATION)
        ELEVATION
        FLATNESS
        GEOMORPHOLOGY
        HYPSOGRAPHY
        MAPPING
        ROUGHNESS
        SHAPES
        TOPOGRAPHY

CONTRACT INCENTIVES
  1106 3401 3402 3406 3409
  GS    INCENTIVES
        #CONTRACT INCENTIVES
        MOTIVATION
        #CONTRACT INCENTIVES

CONTRACT MANAGEMENT
  3404 3406 4001
  GS    MANAGEMENT
        #CONTRACT MANAGEMENT
  RT    CONTRACTS
        DECISION MAKING
        DECISIONS
        PERT
        PROJECT MANAGEMENT
        SCHEDULES
        SUBCONTRACTS
        SYSTEMS ENGINEERING

CONTRACT NEGOTIATION
  3406
  RT    CONTRACTORS
        CONTRACTS
        DECISION MAKING
        GOVERNMENT/INDUSTRY RELATIONS
        INDUSTRIES
        MANAGEMENT
        MANUFACTURING
        SUBCONTRACTS

CONTRACTION
  2311 3407
  RT    COOLING
      % REDUCTION
        SHRINKAGE
        SPASMS

CONTRACTORS
  1106 3401 3402 3406 3409
  RT    COLUMNS (PROCESS ENGINEERING)
        CONSTRUCTION
        CONSTRUCTION INDUSTRY
        CONTRACT NEGOTIATION
        CONTRACTS
        GOVERNMENT/INDUSTRY RELATIONS
        INDUSTRIES
        QUALIFICATIONS
        SUBCONTRACTS
        TRANSPORTATION

CONTRACTS
  1106 3401 3402 3406 3409 4001
  GS   #CONTRACTS
        .INSURANCE (CONTRACTS)
        .SUBCONTRACTS
  RT    AGREEMENTS
        CANCELLATION
        CONSTRICTIONS
        CONSTRUCTION
        CONTRACT MANAGEMENT
        CONTRACT NEGOTIATION
        CONTRACTORS
        ESTIMATES
        ESTIMATING
        EXTENSIONS
        FEDERAL BUDGETS
        GOVERNMENT PROCUREMENT
        GOVERNMENT/INDUSTRY RELATIONS
        GRANTS
        LEASING
        LEGAL LIABILITY
        OPTIONS
        PROCUREMENT
        PROJECTS
        PROPOSALS
        REVISIONS
        SUPPLEMENTS

CONTRAILS
  0101 1202 1203
  UF    CONDENSATION TRAILS
        VAPOR TRAILS
  RT    CONDENSATES
        WAKES

CONTRALATERAL FUNCTIONS
  0404
  RT % FUNCTIONS

CONTRAROTATING PROPELLERS
  0202
  GS    PROPELLERS
        #CONTRAROTATING PROPELLERS
  RT    PROPELLER DRIVE
        PROPELLER EFFICIENCY
        TURBOPROP ENGINES

CONTRAST
  0605 0702 1407
  GS   #CONTRAST
        .IMAGE CONTRAST
        .PHASE CONTRAST
  RT    CHARACTER RECOGNITION
        COLOR
        LEGIBILITY
        PERCEPTION
        PRINTING
        RESOLUTION
      % SHARPNESS
        VISIBILITY
        VISION

% CONTROL
  1003 2102 3406 4001
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  UF    CONTROL SYSTEMS
        CONTROLLED STABILITY
        REGULATION
  RT    ACCESS CONTROL
```

ACTIVE CONTROL
ADAPTIVE CONTROL
AIR NAVIGATION
AIR TRAFFIC CONTROL
AIRCRAFT CONTROL
ALTITUDE CONTROL
APPROACH CONTROL
ASTRIONICS
ATTITUDE CONTROL
AUTOMATIC CONTROL
AUTOMATIC CONTROL VALVES
AUTOMATIC FLIGHT CONTROL
AUTOMATIC FREQUENCY CONTROL
AUTOMATIC GAIN CONTROL
AVIONICS
BIOFEEDBACK
BOUNDARY LAYER CONTROL
CASCADE CONTROL
CHEMICAL REACTION CONTROL
CIRCULATION CONTROL AIRFOILS
CIRCULATION CONTROL ROTORS
COMBUSTION CONTROL
COMMAND AND CONTROL
CONTROL BOARDS
CONTROL CONFIGURED VEHICLES
CONTROL DATA (COMPUTERS)
CONTROL EQUIPMENT
CONTROL MOMENT GYROSCOPES
CONTROL ROCKETS
CONTROL RODS
CONTROL SIMULATION
CONTROL STABILITY
CONTROL STICKS
CONTROL SURFACES
CONTROL SYSTEMS DESIGN
CONTROL THEORY
CONTROL UNITS (COMPUTERS)
CONTROL VALVES
CONTROLLABILITY
CONTROLLED ATMOSPHERES
CONTROLLED FUSION
CONTROLLERS
CRITICAL PATH METHOD
CYBERNETICS
DIRECT LIFT CONTROLS
DIRECTIONAL CONTROL
DYNAMIC CHARACTERISTICS
DYNAMIC CONTROL
ELECTRIC CONTROL
ELECTRONIC CONTROL
ELEVATORS (CONTROL SURFACES)
ENGINE CONTROL
ENVIRONMENTAL CONTROL
FEEDBACK CONTROL
FEEDFORWARD CONTROL
FIRE CONTROL
FIRE CONTROL CIRCUITS
FLAPS (CONTROL SURFACES)
FLIGHT CONTROL
FLOOD CONTROL
FLUIDICS
FLY BY TUBE CONTROL
FLY BY WIRE CONTROL
FREQUENCY CONTROL
FUEL CONTROL
GROUND BASED CONTROL
HARMONIC CONTROL
HELICOPTER CONTROL
HYDRAULIC CONTROL
INTEGRATED MISSION CONTROL CENTER
INTERACTIVE CONTROL
INVENTORY CONTROLS
JET CONTROL
LATERAL CONTROL
LINEAR QUADRATIC GAUSSIAN CONTROL
LINEAR QUADRATIC REGULATOR
LONGITUDINAL CONTROL
MAGNETIC CONTROL
MANUAL CONTROL
MIMO (CONTROL SYSTEMS)
MISSILE CONTROL
MODEL REFERENCE ADAPTIVE CONTROL
MULTIVARIABLE CONTROL
NETWORK CONTROL
NUCLEAR REACTOR CONTROL
NUMERICAL CONTROL
OFF-ON CONTROL
OPTICAL CONTROL
OPTIMAL CONTROL
PAYLOAD CONTROL
PHASE CONTROL
PLASMA CONTROL
PNEUMATIC CONTROL
POINTING CONTROL SYSTEMS
POLLUTION CONTROL
POROUS BOUNDARY LAYER CONTROL
PROCESS CONTROL (INDUSTRY)
PROPORTIONAL CONTROL
QUALITY CONTROL
RADAR APPROACH CONTROL
RADIO CONTROL
% REACTION CONTROL
REGULATIONS
REGULATORS
REGULATORY MECHANISMS (BIOLOGY)
REMOTE CONTROL
ROBOT CONTROL
ROCKET ENGINE CONTROL
SATELLITE ATTITUDE CONTROL
SATELLITE CONTROL
SCHEDULING
SELF ADAPTIVE CONTROL SYSTEMS
SEQUENTIAL CONTROL
SERVOCONTROL
SERVOMECHANISMS
SHAPE CONTROL
SHOCK WAVE CONTROL
SISO (CONTROL SYSTEMS)
SPACECRAFT CONTROL
SPECTRAL SHIFT CONTROL
SPECTRAL SHIFT CONTROL REACTOR
SPEED CONTROL
STABILIZATION
STEERING
SUBMARINE INTEGRATED CONTROL
PROJECT
SYSTEMS ENGINEERING
TABS (CONTROL SURFACES)
TEMPERATURE CONTROL
THERMAL CONTROL COATINGS
THRUST CONTROL
THRUST VECTOR CONTROL
TIME OPTIMAL CONTROL
TRAFFIC CONTROL
TRAJECTORY CONTROL
TRANSIT ATTITUDE CONTROL SATELLITE
TRANSPONDER CONTROL GROUP
TURBOJET ENGINE CONTROL
VARIABLE STREAM CONTROL ENGINES
VISUAL CONTROL
VOICE CONTROL
WAVE INCIDENCE CONTROL
WEATHER MODIFICATION

CONTROL BOARDS
0701 0803
UF CONTROL PANELS
RT CONSOLES
% CONTROL
DISPLAY DEVICES
MANUAL CONTROL
REMOTE CONTROL

CONTROL CONFIGURED VEHICLES
0201 1402 3404
RT AIRCRAFT CONFIGURATIONS
AIRCRAFT DESIGN
% CONTROL
FLIGHT CONTROL
TECHNOLOGY UTILIZATION
% VEHICLES

CONTROL DATA (COMPUTERS)
0802
RT COMPUTERS

```
    % CONTROL
    % DATA
      DATA SYSTEMS

CONTROL DEVICES
  USE  CONTROL EQUIPMENT

CONTROL EQUIPMENT
  0202 0203 0904 0905 1003 1201 1402
  1410 1504 2101 2102 3501
  UF   CONTROL DEVICES
  GS  #CONTROL EQUIPMENT
       .CONTROL STICKS
       .CRYOSTATS
       .PRESSURE REGULATORS
       .PRESSURE SWITCHES
       .SERVOAMPLIFIERS
       .SPEED REGULATORS
       .TELEOPERATORS
       .THERMOSTATS
  RT   AIRCRAFT CONTROL
       AUTOMATIC CONTROL
    % CONTROL
    % EFFECTORS
      ELECTRIC CONTROL
      ELECTRONIC CONTROL
      FEEDBACK CONTROL
      MANIPULATORS
      MANUAL CONTROL
      NONLINEAR SYSTEMS
      OFF-ON CONTROL
      OPTICAL CONTROL
      PNEUMATIC CONTROL
      PROPORTIONAL CONTROL
      RECORDING INSTRUMENTS
      SPEED CONTROL
      TRANSDUCERS

CONTROL MOMENT GYROSCOPES
  2104 1402 1403 1406 1410 2104
  GS   GYROSCOPES
       #CONTROL MOMENT GYROSCOPES
  RT   ATTITUDE CONTROL
       ATTITUDE GYROS
       ATTITUDE INDICATORS
    % CONTROL
      EQUATIONS OF MOTION
      GIMBALS
      GYRODAMPERS
      INDICATING INSTRUMENTS
      MEASURING INSTRUMENTS
      NUTATION DAMPERS
      SERVOCONTROL
      SERVOMECHANISMS

CONTROL PANELS
  USE  CONTROL BOARDS

CONTROL ROCKETS
  2806 2808 3106
  UF   STEERING ROCKETS
  GS   ENGINES
       .TORPEDO ENGINES
       ..VERNIER ENGINES
       ..#CONTROL ROCKETS
  RT % CONTROL
       RETROROCKET ENGINES
       STEERING
       THRUST CONTROL
       VARIABLE THRUST

CONTROL RODS
  0303 1504 2203 2204
  GS   RODS
       #CONTROL RODS
  RT % CONTROL
       NEUTRON ABSORBERS
       NUCLEAR REACTOR CONTROL
       NUCLEAR REACTORS
       POISONING (REACTION INHIBITION)
       REACTOR CORES
       REACTOR SAFETY

CONTROL SIMULATION
  0802 0804 1003 1107 2102 3501
  GS   SIMULATION
       #CONTROL SIMULATION
       SIMULATORS
       #CONTROL SIMULATION
  RT   AIRCRAFT CONTROL
       COMPUTERIZED SIMULATION
     % CONTROL
       FLIGHT SIMULATION
       FLIGHT SIMULATORS
       MOTION SIMULATORS
       SPACECRAFT CONTROL
       SPACECRAFT MANEUVERS
       TRAINING SIMULATORS

CONTROL STABILITY
  0104 1003 2102
  GS   DYNAMIC CHARACTERISTICS
       .DYNAMIC STABILITY
       .#CONTROL STABILITY
       STABILITY
       .DYNAMIC STABILITY
       .#CONTROL STABILITY
  RT   AIRCRAFT CONTROL
       AIRCRAFT SPIN
       AIRCRAFT STABILITY
    % CONTROL
      CONTROLLABILITY
      FLIGHT CONTROL
      LOOP TRANSFER RECOVERY
      MIMO (CONTROL SYSTEMS)
      MOTION STABILITY
      NYQUIST DIAGRAM
      PILOT INDUCED OSCILLATION
      ROBUSTNESS (MATHEMATICS)
      SAMPLED DATA SYSTEMS
      SISO (CONTROL SYSTEMS)
      SPACECRAFT MOTION
      SPACECRAFT STABILITY
      STABILITY AUGMENTATION
      SYSTEMS STABILITY

CONTROL STICKS
  0202 1504
  GS   CONTROL EQUIPMENT
       #CONTROL STICKS
  RT   AIRCRAFT CONTROL
       FLIGHT CONTROL
       MANUAL CONTROL

CONTROL SURFACES
  0104
  GS  #CONTROL SURFACES
       .AILERONS
       ..FLAPERONS
       ..SPOILER SLOT AILERONS
       .ELEVATORS (CONTROL SURFACES)
       .ELEVONS
       .FLAPS (CONTROL SURFACES)
       ..EXTERNALLY BLOWN FLAPS
       ...UPPER SURFACE BLOWN FLAPS
       ..FLAPERONS
       ..JET FLAPS
       ..SPLIT FLAPS
       ..WING FLAPS
       ...LEADING EDGE FLAPS
       ...LEADING EDGE SLATS
       ...TRAILING EDGE FLAPS
       ...VORTEX FLAPS
       .GUIDE VANES
       ..JET VANES
       .HORIZONTAL TAIL SURFACES
       .RUDDERS
       ..AERIAL RUDDERS
       ..MARINE RUDDERS
       .SPOILERS
       .TABS (CONTROL SURFACES)
  RT   AERODYNAMIC BRAKES
       AERODYNAMIC CONFIGURATIONS
       AERODYNAMIC INTERFERENCE
       AERODYNAMICS
```

AIRCRAFT PARTS
AIRCRAFT STRUCTURES
AIRFOILS
AIRFRAMES
BLUNT TRAILING EDGES
BOUNDARY LAYER CONTROL
CANARD CONFIGURATIONS
% CONTROL
DRAG DEVICES
FINS
FIRES
FLIGHT CONTROL
FREE WING AIRCRAFT
GUIDANCE (MOTION)
NOSE FINS
STABILIZERS (FLUID DYNAMICS)
% SURFACES
SWEPTBACK TAIL SURFACES
T TAIL SURFACES
TAIL ASSEMBLIES
TAIL SURFACES
TRAPEZOIDAL TAIL SURFACES
VANES
WINGS

CONTROL SYSTEMS
USE CONTROL

CONTROL SYSTEMS DESIGN
0707 4001
GS SYSTEMS ENGINEERING
#CONTROL SYSTEMS DESIGN
RT AEROSPACE SYSTEMS
AUTOMATIC CONTROL
% AUTOMATION
BIONICS
BOND GRAPHS
% CONTROL
CONTROL THEORY
CONTROLLERS
CYBERNETICS
% DESIGN
DESIGN ANALYSIS
ELECTRIC CONTROL
ELECTRONIC CONTROL
FEEDBACK CONTROL
GENETIC ALGORITHMS
H-INFINITY CONTROL
LINEAR QUADRATIC GAUSSIAN CONTROL
LINEAR QUADRATIC REGULATOR
LOOP TRANSFER FUNCTIONS
LOOP TRANSFER RECOVERY
MATHEMATICAL MODELS
MIMO (CONTROL SYSTEMS)
NUMERICAL CONTROL
OPERATIONS RESEARCH
OPTIMAL CONTROL
PARAMETER IDENTIFICATION
ROBOT CONTROL
SISO (CONTROL SYSTEMS)
SYSTEM IDENTIFICATION
SYSTEMS ANALYSIS
SYSTEMS INTEGRATION

CONTROL THEORY
0804 0902 1003 1902 2102
RT ADAPTIVE CONTROL
CLOSED CYCLES
CONTROL SIMULATION
CONTROL SYSTEMS DESIGN
CONTROLLABILITY
DISTRIBUTED PARAMETER SYSTEMS
DYNAMIC CONTROL
DYNAMICAL SYSTEMS
FEEDBACK
FEEDBACK CONTROL
FEEDFORWARD CONTROL
H-INFINITY CONTROL
INTERACTIVE CONTROL
LINEAR QUADRATIC GAUSSIAN CONTROL
LINEAR QUADRATIC REGULATOR
LOOP TRANSFER RECOVERY
MIMO (CONTROL SYSTEMS)
MODEL REFERENCE ADAPTIVE CONTROL
MULTIVARIABLE CONTROL
OBSERVABILITY (SYSTEMS)
OFF-ON CONTROL
OPTIMAL CONTROL
ROBOT CONTROL
ROBUSTNESS (MATHEMATICS)
SAMPLED DATA SYSTEMS
SERVOCONTROL
SHAPE CONTROL
SISO (CONTROL SYSTEMS)
% THEORIES
TRACKING PROBLEM

CONTROL UNITS (COMPUTERS)
0801
RT CENTRAL PROCESSING UNITS
COMPUTER COMPONENTS
COMPUTERS
% CONTROL
DATA PROCESSING EQUIPMENT

CONTROL VALVES
1201 1504 3501
GS VALVES
#CONTROL VALVES
RT ACTUATORS
% CONTROL
PNEUMATIC CONTROL

CONTROLLABILITY
0201 1003 2102 2807
UF HANDLING QUALITIES
RT AIRCRAFT CONTROL
AIRCRAFT LANDING
AIRCRAFT PERFORMANCE
AIRCRAFT SPECIFICATIONS
AIRCRAFT SPIN
AIRCRAFT STABILITY
% CONTROL
CONTROL STABILITY
CONTROL THEORY
DIRECTIONAL STABILITY
FLIGHT CHARACTERISTICS
HELICOPTER CONTROL
HELICOPTER PERFORMANCE
LIQUID SLOSHING
LOW SPEED STABILITY
MANEUVERABILITY
QUALITY
SPACECRAFT RELIABILITY
STABILITY
STEERING
WHEEL BRAKES

CONTROLLED ATMOSPHERES
0504 0507 3110
GS #CONTROLLED ATMOSPHERES
.ARGON-OXYGEN ATMOSPHERES
.CABIN ATMOSPHERES
..SPACECRAFT CABIN ATMOSPHERES
.HELIUM-OXYGEN ATMOSPHERES
.INERT ATMOSPHERE
RT AIR CONDITIONING
% ATMOSPHERES
% BLANKETS
CLEAN ROOMS
% CONTROL
ENVIRONMENTS
FURNACES
GAS MIXTURES
GNOTOBIOTICS
OXYGEN SUPPLY EQUIPMENT
SPACECRAFT ENVIRONMENTS

CONTROLLED AVALANCHE TRANSIT TIME DEVICES
USE CATT DEVICES

CONTROLLED FUSION
2202 2204 2405
SN (CONTROLLED NUCLEAR FUSION)
GS NUCLEAR REACTIONS

.THERMONUCLEAR REACTIONS
..NUCLEAR FUSION
..#CONTROLLED FUSION
RT % CONTROL
JOINT EUROPEAN TORUS
LIMITERS (FUSION REACTORS)
PLASMA COMPRESSION
PLASMA COOLING
PLASMA CURRENTS
PLASMA PHYSICS
RELATIVISTIC ELECTRON BEAMS
STRONGLY COUPLED PLASMAS
THERMONUCLEAR POWER GENERATION
ZETA PINCH

CONTROLLED STABILITY
USE CONTROL

CONTROLLERS
0904 0905 1003 1202
SN (LIMITED TO DEVICES AND CONTROL THEORY)
GS #CONTROLLERS
.POWER FACTOR CONTROLLERS
.SERVOMECHANISMS
..SERVOAMPLIFIERS
..SERVOMOTORS
RT ACTUATORS
ANALYZERS
AUTOMATIC CONTROL
% AUTOMATION
% CONTROL
CONTROL SYSTEMS DESIGN
CRYOSTATS
CURRENT REGULATORS
CYBERNETICS
ELECTRONIC CONTROL
H-INFINITY CONTROL
INSTRUMENT RECEIVERS
INSTRUMENT TRANSMITTERS
% INSTRUMENTS
LINEAR QUADRATIC REGULATOR
MEASURING INSTRUMENTS
OPTICAL CONTROL
PNEUMATIC CONTROL
PRESSURE REGULATORS
PROGRAMMABLE LOGIC DEVICES
PROPELLANT ACTUATED INSTRUMENTS
REGULATORS
REMOTE CONTROL
ROCKET-BORNE INSTRUMENTS
SPEED CONTROL
SPEED REGULATORS
TEMPERATURE CONTROL
THERMOSTATS
VOLTAGE REGULATORS

CONVAIR MILITARY AIRCRAFT
USE GENERAL DYNAMICS AIRCRAFT
MILITARY AIRCRAFT

CONVAIR 340 AIRCRAFT
USE CV-340 AIRCRAFT

CONVAIR 440 AIRCRAFT
USE CV-440 AIRCRAFT

CONVAIR 880 AIRCRAFT
USE CV-880 AIRCRAFT

CONVAIR 990 AIRCRAFT
USE CV-990 AIRCRAFT

CONVECTION
1308 2003 3009 3303 3407 3501
GS #CONVECTION
.FORCED CONVECTION
.FREE CONVECTION
..RAYLEIGH-BENARD CONVECTION
...BENARD CELLS
.MARANGONI CONVECTION
.STELLAR CONVECTION
..SOLAR CONVECTION (ASTRONOMY)
RT ADVECTION
BASE HEATING
BOUSSINESQ APPROXIMATION
% CONDUCTION
CONVECTION CELLS
CONVECTION-DIFFUSION EQUATION
FLUID DYNAMICS
GRASHOF NUMBER
HEAT TRANSMISSION
HEATING
METEOROLOGY
MIXING HEIGHT
MIXING LAYERS (FLUIDS)
STELLAR INTERIORS

CONVECTION CELLS
1202 3303
RT ATMOSPHERIC CIRCULATION
CONVECTION
CONVECTION CURRENTS
CONVECTIVE FLOW
CONVECTIVE HEAT TRANSFER

CONVECTION CLOUDS
1301 1308 2008
GS CLOUDS (METEOROLOGY)
#CONVECTION CLOUDS
..ARC CLOUDS
..CUMULONIMBUS CLOUDS
...ANVIL CLOUDS
..CUMULUS CLOUDS
...ANVIL CLOUDS
RT AIR CURRENTS
CLOUD PHYSICS
METEOROLOGY
NEPHANALYSIS
SUPERCOOLING
VERTICAL AIR CURRENTS

CONVECTION CURRENTS
1308 2003 3009
RT AIR CURRENTS
BENARD CELLS
CONVECTION CELLS
CONVECTION-DIFFUSION EQUATION
ELECTRON BUNCHING
FLUID FLOW
FREE CONVECTION
MIXING HEIGHT
RAYLEIGH-BENARD CONVECTION
SOLAR CONVECTION (ASTRONOMY)
SOLAR GRANULATION
STELLAR CONVECTION
VERTICAL AIR CURRENTS

CONVECTION-DIFFUSION EQUATION
1202
UF DIFFUSION-CONVECTION EQUATION
RT BENARD CELLS
COMPUTATIONAL FLUID DYNAMICS
CONVECTION
CONVECTION CURRENTS
CONVECTIVE FLOW
DIFFUSION
DIFFUSION COEFFICIENT
% EQUATIONS
FLOW EQUATIONS
FLOW THEORY
RAYLEIGH-BENARD CONVECTION

CONVECTIVE FLOW
1202 1203
UF THERMAL CURRENTS
GS FLUID FLOW
#CONVECTIVE FLOW
..RAYLEIGH-BENARD CONVECTION
...BENARD CELLS
RT CONVECTION CELLS
CONVECTION-DIFFUSION EQUATION
FREE CONVECTION
GAS DENSITY
GEOPHYSICAL FLUID FLOW CELLS

HEAT TRANSMISSION
MARANGONI CONVECTION
MASS FLOW RATE
MASS TRANSFER
POROUS BOUNDARY LAYER CONTROL
SOLAR CONVECTION (ASTRONOMY)
STELLAR CONVECTION
TEMPERATURE
THERMAL DIFFUSION

CONVECTIVE HEAT TRANSFER
1202 1203 1301 2003 3303 3501
GS TRANSMISSION
.HEAT TRANSMISSION
..HEAT TRANSFER
..#CONVECTIVE HEAT TRANSFER
RT AERODYNAMIC HEATING
BOUNDARY LAYER COMBUSTION
BOUNDARY LAYER FLOW
CONDUCTIVE HEAT TRANSFER
CONVECTION CELLS
COOLING FINS
FORCED CONVECTION
FREE CONVECTION
LAMINAR HEAT TRANSFER
MASS TRANSFER
NUSSELT NUMBER
RADIATIVE HEAT TRANSFER
RAYLEIGH-BENARD CONVECTION
SURFACE COOLING
TEMPERATURE GRADIENTS
THERMOHYDRAULICS
THERMOSIPHONS
TURBULENT HEAT TRANSFER

CONVENTIONS
3405 3406
RT AGREEMENTS
AIR LAW
COMPATIBILITY
CONFERENCES
% COOPERATION
INTERNATIONAL COOPERATION
INTERNATIONAL LAW
OUTER SPACE TREATY
STANDARDS

CONVERGENCE
1902 2311
UF CONFLUENCE
RT DIVERGENCE
PATCH TESTS
REGULARITY
TAPERING
VARIABILITY

CONVERGENT NOZZLES
1201 1504 3501
RT CONICAL NOZZLES
FLUID AMPLIFIERS
NOZZLE GEOMETRY
NOZZLE WALLS
% NOZZLES
TURBINE ENGINES
TURBOJET ENGINES

CONVERGENT-DIVERGENT NOZZLES
1201 1504 3501
UF DE LAVAL NOZZLES
GS EXHAUST NOZZLES
#CONVERGENT-DIVERGENT NOZZLES
RT CONICAL NOZZLES
NOZZLE GEOMETRY
NOZZLE INSERTS
% NOZZLES
ROCKET NOZZLES
SUPERSONIC NOZZLES
TRANSONIC NOZZLES
TURBINE EXHAUST NOZZLES
WIND TUNNEL NOZZLES

CONVERSATION
0408 0410 0702 3406
GS COMMUNICATING
.VERBAL COMMUNICATION
.#CONVERSATION
SPEECH
#CONVERSATION
RT VOICE COMMUNICATION
WORDS (LANGUAGE)

% CONVERSION
0602 0802 1504 1902 3407
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT BIOCONVERSION
CONVERSION TABLES
DATA CONVERSION ROUTINES
ELECTRIC GENERATORS
ENERGY CONVERSION
ENERGY CONVERSION EFFICIENCY
EXCHANGING
FREQUENCY CONVERTERS
GEOTHERMAL ENERGY CONVERSION
INTERNAL CONVERSION
ISOMERIZATION
LIQUEFACTION
METRICATION
OCEAN THERMAL ENERGY CONVERSION
ORGANIC WASTES (FUEL CONVERSION)
ORTHO PARA CONVERSION
PHOTOTHERMAL CONVERSION
PHOTOVOLTAIC CONVERSION
REFINING
SATELLITE SOLAR ENERGY CONVERSION
SOLAR ENERGY CONVERSION
SOLAR TOTAL ENERGY SYSTEMS
THERMIONIC POWER GENERATION
THERMOELECTRIC POWER GENERATION
TURBOGENERATORS
WATERWAVE ENERGY CONVERSION

CONVERSION TABLES
0802 0803 1902
GS TABLES (DATA)
#CONVERSION TABLES
RT % CONVERSION
DATA CONVERTERS
INTERNATIONAL SYSTEM OF UNITS
UNITS OF MEASUREMENT

CONVERTAPLANES
USE V/STOL AIRCRAFT

% CONVERTERS
0801 0904 1413 1504
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT ANALOG TO DIGITAL CONVERTERS
BINARY TO DECIMAL CONVERTERS
CURRENT CONVERTERS (AC TO DC)
DATA CONVERTERS
DIGITAL TO ANALOG CONVERTERS
DIRECT POWER GENERATORS
DOWN-CONVERTERS
ELECTRIC GENERATORS
FREQUENCY CONVERTERS
IMAGE CONVERTERS
INSTRUMENT TRANSFORMERS
INVERTED CONVERTERS (DC TO AC)
PARAMETRIC FREQUENCY CONVERTERS
POWER CONVERTERS
PULSE WIDTH AMPLITUDE CONVERTERS
PYROMETALLURGY
SOLAR BLANKETS
THERMIONIC CONVERTERS
TORQUE CONVERTERS
TRANSDUCERS
TRANSFORMERS
UP-CONVERTERS
VOLTAGE CONVERTERS (AC TO AC)
VOLTAGE CONVERTERS (DC TO DC)

```
CONVERTIBLE FAN-SHAFT ENGINES
  0202 2701 2801 2805
  GS   AIRCRAFT ENGINES
       #CONVERTIBLE FAN-SHAFT ENGINES
       ENGINES
       .AIR BREATHING ENGINES
       ..GAS TURBINE ENGINES
       ...JET ENGINES
       ....TURBOJET ENGINES
       .....TURBOFAN ENGINES
       .....#CONVERTIBLE FAN-SHAFT ENGINES
       .INTERNAL COMBUSTION ENGINES
       ..GAS TURBINE ENGINES
       ...JET ENGINES
       ....TURBOJET ENGINES
       .....TURBOFAN ENGINES
       .....#CONVERTIBLE FAN-SHAFT ENGINES
       .TURBINE ENGINES
       ..GAS TURBINE ENGINES
       ...JET ENGINES
       ....TURBOJET ENGINES
       .....TURBOFAN ENGINES
       .....#CONVERTIBLE FAN-SHAFT ENGINES
  RT   HELICOPTER ENGINES
       JET THRUST
       PROPULSION SYSTEM CONFIGURATIONS
       ROTARY WINGS
       TF-34 ENGINE
       TURBOSHAFTS
       V/STOL AIRCRAFT
       VARIABLE CYCLE ENGINES
       VERTICAL TAKEOFF AIRCRAFT

CONVEXITY
  0101 0201 1902 2311 3203 3408
  GS   SHAPES
       #CONVEXITY
  RT   CONCAVITY
       CONTOUR SENSORS
       CONTOURS
       FLATNESS
       LENTICULAR BODIES
     % SURFACE GEOMETRY

CONVEYORS
  1502 1504
  RT   AUTOMATED GUIDEWAY TRANSIT VEHICLES
       AUTOMATED TRANSIT VEHICLES
       CHUTES
       CRANES
       ELEVATORS (LIFTS)
       FEEDERS
       FORKS
     % LIFTS
       MATERIALS HANDLING
       RIBBONS
       ROLLERS
       SCOOPS
     % TRACKS
       TRANSPORTATION

CONVOLUTION INTEGRALS
  1902 1903
  UF   CONVOLUTIONS (MATHEMATICS)
  GS   ANALYSIS (MATHEMATICS)
       .FUNCTIONAL ANALYSIS
       .#CONVOLUTION INTEGRALS
       INTEGRALS
       #CONVOLUTION INTEGRALS
  RT   INTEGRAL TRANSFORMATIONS
       TRELLIS CODING

CONVOLUTIONS (MATHEMATICS)
  USE  CONVOLUTION INTEGRALS

CONVULSIONS
  0405 0408 0410
  RT   HUMAN PATHOLOGY
       MUSCLES
       PSYCHOTHERAPY
       SEIZURES
     % SHOCK

COOK INLET (AK)
  1305
  GS   LANDFORMS
       .INLETS (TOPOGRAPHY)
       .#COOK INLET (AK)
  RT   ALASKA

COOKPOT AIRCRAFT
  USE  TU-124 AIRCRAFT

COOL STARS
  3001
  GS   CELESTIAL BODIES
       .STARS
       ..LATE STARS
       ..#COOL STARS
       ....CARBON STARS
       ....FLARE STARS
       ....K STARS
       ....M STARS
       .....VAN BIESBROECK STAR
       ....MIRA VARIABLES
       .....OMICRON CETI STAR
       ....S STARS
  RT   BROWN DWARF STARS
       GIANT STARS
       R CORONAE BOREALIS STARS
       STELLAR ATMOSPHERES
       STELLAR ENVELOPES
       STELLAR SPECTRA
       STELLAR TEMPERATURE

COOLANT LOSS
  USE  LOSS OF COOLANT

COOLANTS
  1803
  GS  #COOLANTS
       .ENGINE COOLANTS
       .ORGANIC COOLANTS
  RT   AIR CONDITIONING
       AIR COOLING
       BRINES
       COOLERS
       COOLING
       COOLING SYSTEMS
       FREON
       GAS COOLING
       HEAT EXCHANGERS
       LIQUID COOLING
       LOSS OF COOLANT
       NUCLEAR REACTORS
       REACTOR MATERIALS
       REFRIGERANTS
       SODIUM COOLING

COOLERS
  1504 3303 3501
  RT   AIR CONDITIONING
       AIR CONDITIONING EQUIPMENT
       AIR COOLING
       COMPRESSORS
       COOLANTS
       COOLING
       COOLING SYSTEMS
       CRYOGENIC COOLING
       REFRIGERATING
       REFRIGERATING MACHINERY
       REFRIGERATORS

COOLING
  2003 3303 3407 3501
  UF   CHILLING
       HEAT DISSIPATION
       HEAT DISSIPATION CHILLING
  GS  #COOLING
       .ABSORPTION COOLING
       .AIR COOLING
       .EVAPORATIVE COOLING
       ..FILM COOLING
       ..SWEAT COOLING
       .GAS COOLING
```

.LIQUID COOLING
..FILM COOLING
.MAGNETIC COOLING
.PLASMA COOLING
.PRECOOLING
.QUENCHING (COOLING)
.RADIANT COOLING
.REGENERATIVE COOLING
.SODIUM COOLING
.SOLAR COOLING
.SOLID CRYOGEN COOLING
.SPACE COOLING (BUILDINGS)
.SUPERCOOLING
..CRYOGENIC COOLING
.SURFACE COOLING
.THERMOELECTRIC COOLING
.THERMOMAGNETIC COOLING
RT ABLATION
ABLATIVE MATERIALS
AIR CONDITIONING
BATHING
CONDENSING
CONTRACTION
COOLANTS
COOLERS
COOLING FLOWS (ASTROPHYSICS)
CRYOGENICS
ENGINE COOLANTS
FILM CONDENSATION
FREEZING
FREON
GEOTHERMAL ENERGY UTILIZATION
HEAT EXCHANGERS
HEAT RADIATORS
HEAT SHIELDING
HEAT TRANSFER
HEATING
HILSCH TUBES
JACKETS
LOW TEMPERATURE
MELTING
MUSHY ZONES
REFRIGERATING
REUSABLE HEAT SHIELDING
SPACECRAFT RADIATORS
TEMPERATURE CONTROL
TEMPERATURE DISTRIBUTION
THERMAL CYCLING TESTS
THERMAL SHOCK
THERMAL STRESSES
TRANSPIRATION
VENTILATION
VENTILATION FANS
VENTING
WETTING

COOLING FINS
1504 2806 3303 3501
GS FINS
#COOLING FINS
RT CONDENSERS (LIQUEFIERS)
CONVECTIVE HEAT TRANSFER
FINNED BODIES
HEAT EXCHANGERS
HEAT RADIATORS
RADIATIVE HEAT TRANSFER

COOLING FLOWS (ASTROPHYSICS)
1203 3001
GS FLUID FLOW
.GAS FLOW
.#COOLING FLOWS (ASTROPHYSICS)
RT ACCRETION DISKS
COOLING
COSMIC GASES
DARK MATTER
GALACTIC CLUSTERS
GALACTIC EVOLUTION
INTERGALACTIC MEDIA
INTERSTELLAR GAS
STAR FORMATION
X RAY SOURCES

COOLING SYSTEMS
0202 0504 1504 2801 2805 2808 3303
3501
RT ABSORBERS (EQUIPMENT)
AIR CONDITIONING
AIR CONDITIONING EQUIPMENT
AIR COOLING
AIR FILTERS
BLOWERS
CLOSED CYCLES
CONDENSERS (LIQUEFIERS)
COOLANTS
COOLERS
DEHUMIDIFICATION
ENGINE COOLANTS
ETTINGSHAUSEN EFFECT
EVAPORATIVE COOLING
EVAPORATORS
EXHAUST SYSTEMS
FREON
HEAT EXCHANGERS
HEAT PUMPS
HEAT RADIATORS
HEAT SINKS
INFRARED SUPPRESSION
INTAKE SYSTEMS
LIQUID COOLING
LUBRICATION SYSTEMS
REFRIGERANTS
REFRIGERATING
REFRIGERATING MACHINERY
REGISTERS (AIR CIRCULATION)
SOLAR COOLING
SOLID CRYOGENS
SPACE COOLING (BUILDINGS)
SPACECRAFT RADIATORS
% SYSTEMS
TEMPERATURE CONTROL
TEMPERATURE DISTRIBUTION
TRANSPIRATION
VENTILATION
VENTILATION FANS
VENTS

% COOPERATION
3406
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT CONVENTIONS
EMPLOYEE RELATIONS
INTERNATIONAL COOPERATION
PUBLIC RELATIONS
SEA LAW

COORDINATE GEOMETRY LANGUAGE
USE COGO (PROGRAMMING LANGUAGE)

COORDINATE SYSTEMS
USE COORDINATES

COORDINATE TRANSFORMATIONS
1902
GS FUNCTIONS (MATHEMATICS)
#COORDINATE TRANSFORMATIONS
TRANSFORMATIONS (MATHEMATICS)
#COORDINATE TRANSFORMATIONS
RT CONFORMAL MAPPING
INVARIANT IMBEDDINGS
ISOPARAMETRIC FINITE ELEMENTS
ISOTROPIC TURBULENCE
JOUKOWSKI TRANSFORMATION
SCHWARZSCHILD METRIC
THEODORSEN TRANSFORMATION

COORDINATES
1303 1902 3405
UF AXES (COORDINATES)
COORDINATE SYSTEMS
GS #COORDINATES
.ASTRONOMICAL COORDINATES
.CARTESIAN COORDINATES

.COMPUTATIONAL GRIDS
.CYLINDRICAL COORDINATES
.GEODETIC COORDINATES
.HYLLERAAS COORDINATES
.HYPERBOLIC COORDINATES
.INERTIAL COORDINATES
.LAGRANGE COORDINATES
.OBLIQUE COORDINATES
.PLANETOCENTRIC COORDINATES
..GEOCENTRIC COORDINATES
.POLAR COORDINATES
.SPHERICAL COORDINATES
RT ALGEBRA
ANALYTIC GEOMETRY
AXES (REFERENCE LINES)
CELESTIAL REFERENCE SYSTEMS
EARTH AXIS
EQUATORS
EUCLIDEAN GEOMETRY
FRACTALS
FUJITA METHOD
GEOMAGNETIC LATITUDE
GEOMETRY
GRID GENERATION (MATHEMATICS)
% GRIDS
HALF PLANES
HALF SPACES
LATITUDE
LINE OF SIGHT
LONGITUDE
MANIFOLDS (MATHEMATICS)
MAPS
% ORIGINS
POSITION (LOCATION)
% REFERENCE SYSTEMS

COORDINATION
3406 3407
RT CONTINUITY
CORRELATION
INTERFACES
SEQUENCING
TIME SHARING

COORDINATION POLYMERS
1808 1810
RT % POLYMERS

COPERNICUS SPACECRAFT
USE OAO 3

COPILOTS
USE AIRCRAFT PILOTS

COPLANARITY
1902
GS ANALYSIS (MATHEMATICS)
.CALCULUS
..VECTOR ANALYSIS
..#COPLANARITY
.REAL VARIABLES
..VECTOR ANALYSIS
..#COPLANARITY
GEOMETRY
.VECTOR ANALYSIS
.#COPLANARITY

COPOLYMERIZATION
0602 1810
GS CHEMICAL REACTIONS
#COPOLYMERIZATION
SYNTHESIS (CHEMISTRY)
.POLYMERIZATION
.#COPOLYMERIZATION
RT BLOCK COPOLYMERS
DIMERIZATION
% POLYMERS
VINYL COPOLYMERS

COPOLYMERS
1808 1810
GS #COPOLYMERS
.BLOCK COPOLYMERS
.VINYL COPOLYMERS
.VITON RUBBER (TRADEMARK)
RT KEL-F
POLYMER BLENDS
% POLYMERS

COPPER
1703
GS CHEMICAL ELEMENTS
#COPPER
..COPPER ISOTOPES
METALS
.TRANSITION METALS
.#COPPER
...COPPER ISOTOPES
RT AMMINES
CONSTANTAN
SELENIUM ALLOYS

COPPER ALLOYS
1701 1704
GS ALLOYS
#COPPER ALLOYS
..BABBITT METAL
..BRASSES
..BRONZES
..MANGANIN (TRADEMARK)
RT ALUMINUM-LITHIUM ALLOYS
BEARING ALLOYS
GOLD ALLOYS
LAMELLA (METALLURGY)
LITHIUM ALLOYS

COPPER CHLORIDES
0603 1804
GS COPPER COMPOUNDS
#COPPER CHLORIDES
HALOGEN COMPOUNDS
.CHLORINE COMPOUNDS
..CHLORIDES
..#COPPER CHLORIDES
.HALIDES
..CHLORIDES
..#COPPER CHLORIDES
..METAL HALIDES
..#COPPER CHLORIDES

COPPER COMPOUNDS
0603 1804
GS #COPPER COMPOUNDS
.COPPER CHLORIDES
.COPPER FLUORIDES
.COPPER OXIDES
.COPPER SELENIDES
.COPPER SULFIDES
..ENARGITE
RT % CHEMICAL COMPOUNDS
% GROUP 1B COMPOUNDS
% METAL COMPOUNDS

COPPER FLUORIDES
0603 1804
GS COPPER COMPOUNDS
#COPPER FLUORIDES
HALOGEN COMPOUNDS
.FLUORINE COMPOUNDS
..FLUORIDES
...METAL FLUORIDES
...#COPPER FLUORIDES

COPPER ISOTOPES
0603 1703 2406
GS CHEMICAL ELEMENTS
.COPPER
.#COPPER ISOTOPES
METALS
.TRANSITION METALS
..COPPER
..#COPPER ISOTOPES

COPPER OXIDES
0603 1804

```
  GS   CHALCOGENIDES
       .OXIDES
       ..METAL OXIDES
       ..#COPPER OXIDES
       COPPER COMPOUNDS
       #COPPER OXIDES
  RT   BSCCO SUPERCONDUCTORS
       THERMITES
       YBCO SUPERCONDUCTORS

COPPER SELENIDES
  1804
  GS   CHALCOGENIDES
       .SELENIDES
       .#COPPER SELENIDES
       COPPER COMPOUNDS
       #COPPER SELENIDES
       SELENIUM COMPOUNDS
       .SELENIDES
       .#COPPER SELENIDES

COPPER SULFIDES
  0603 1804
  GS   CHALCOGENIDES
       .SULFIDES
       ..INORGANIC SULFIDES
       ..#COPPER SULFIDES
       ....ENARGITE
       COPPER COMPOUNDS
       #COPPER SULFIDES
       ..ENARGITE
       SULFUR COMPOUNDS
       .SULFIDES
       ..INORGANIC SULFIDES
       ..#COPPER SULFIDES
       ....ENARGITE

COPYRIGHTS
  3403 3404 3405
  RT   DOCUMENTS
       LICENSING
       PATENT APPLICATIONS
       POLICIES
       REGULATIONS

CORAL HEADS
  USE  CORAL REEFS

CORAL REEFS
  1305 1306
  UF   ATOLL REEFS
       CORAL HEADS
  RT   ATOLLS
       COASTS
       ISLANDS
       KEYS (ISLANDS)
       REEFS

CORDAGE
  0202 0208 0303 0404 0702 0904 1502
  RT   CABLES (ROPES)
       CERAMIC FIBERS
       CONNECTORS
       COTTON
       FIBERS
     % FILAMENTS
       STRANDS
       STRINGS
       WIRE
       YARNS

CORDIERITE
  1806 2601
  GS   ALUMINUM COMPOUNDS
       #CORDIERITE
       IRON COMPOUNDS
       #CORDIERITE
       MAGNESIUM COMPOUNDS
       #CORDIERITE
       MINERALS
       #CORDIERITE
       SILICON COMPOUNDS
       .SILICATES
       .#CORDIERITE

CORDITE
  USE  COLLOIDAL PROPELLANTS
       DOUBLE BASE PROPELLANTS

CORE FLOW
  0101 0102 1202 2502
  GS   FLUID FLOW
       #CORE FLOW
  RT   FLOW GEOMETRY
       MAGNETOHYDRODYNAMIC FLOW
       ONE DIMENSIONAL FLOW
       PLASMAS (PHYSICS)
       SHEAR FLOW

CORE SAMPLING
  1306 1310 1505
  GS   SAMPLING
       #CORE SAMPLING
  RT   CORES
       DEPTH MEASUREMENT
       DRILLING
       EARTH CRUST
       HYDROGEOLOGY
       MINES (EXCAVATIONS)
       OCEAN BOTTOM
       OCEAN CURRENTS
       OCEANOGRAPHY
       PARTICLE TRACKS
       SALINITY
       SAMPLERS

CORE STORAGE
  0801
  UF   MACHINE STORAGE
  GS   COMPUTER STORAGE DEVICES
       .RANDOM ACCESS MEMORY
       .#CORE STORAGE
       MAGNETIC STORAGE
       #CORE STORAGE
  RT   BUBBLE MEMORY DEVICES
       BUFFER STORAGE
       DATA STORAGE
       MAGNETIC DISKS
       MAGNETIC DRUMS
     % STORAGE

CORES
  0801 0903 1504 1704 1805 2203
  GS  #CORES
       .HONEYCOMB CORES
       .LUNAR CORE
       .MAGNETIC CORES
       .PLANETARY CORES
       ..EARTH CORE
       .REACTOR CORES
       .STELLAR CORES
  RT % CELLS
       CORE SAMPLING
       MANDRELS
       MOLDING MATERIALS

CORIOLIS EFFECT
  0401 0408 2003 3009
  RT   DISORIENTATION
     % EFFECTS
       GYRES
       METEOROLOGY
       PLANETARY WAVES
       ROTATING ENVIRONMENTS
       ROTATION
       VESTIBULAR TESTS

CORK (MATERIALS)
  0409 1805
  GS   WOOD
       #CORK (MATERIALS)
  RT % MATERIALS
       ORGANIC MATERIALS
       THERMAL INSULATION
```

```
CORN
  0409 0505
  GS    FARM CROPS
        .GRAINS (FOOD)
        .#CORN
        PLANTS (BOTANY)
        #CORN
  RT    AGRICULTURE
        BLIGHT
        BOLLWORMS
        BOTANY
        CROP GROWTH
      % CROPS
        CURING
        EARTH RESOURCES
      % FOOD
        IRRIGATION
        SEEDS

CORNEA
  0404
  GS    ANATOMY
        .SENSE ORGANS
        ..EYE (ANATOMY)
        ..#CORNEA
  RT    KERATITIS
        VISION

CORNER FLOW
  0101 0702
  GS    FLUID FLOW
        #CORNER FLOW
  RT    CAVITY FLOW
        CHANNEL FLOW
        DUCTED FLOW
      % FLOW
        NOZZLE FLOW
        SECONDARY FLOW

CORNERS
  0101 0702 0710 0901 3203
  RT    ANGLES (GEOMETRY)
        ANTENNAS
        JOINTS (JUNCTIONS)
        SHAPES

CORONA BOREALIS CONSTELLATION
  3001
  GS    CONSTELLATIONS
        #CORONA BOREALIS CONSTELLATION
  RT    CELESTIAL BODIES
        CELESTIAL SPHERE
        STARS

CORONA DISCHARGES
  USE   ELECTRIC CORONA

CORONAGRAPHS
  1412 3001
  RT    ASTRONOMICAL PHOTOGRAPHY
        SOLAR OBSERVATORIES
        SPECTROHELIOGRAPHS
        STARSAT TELESCOPE
        TELESCOPES

CORONAL HOLES
  3001
  GS    CORONAS
        .STELLAR CORONAS
        ..SOLAR CORONA
        ..#CORONAL HOLES
  RT    DECAMETRIC WAVES
      % HOLES
        RADIO ASTRONOMY
        SOLAR RADIO EMISSION
        SOLAR WIND
        SOLAR X-RAYS
        STELLAR STRUCTURE
        ULTRAVIOLET RADIATION

CORONAL LOOPS
  3001
  GS    CORONAS
        .STELLAR CORONAS
        ..SOLAR CORONA
        ..#CORONAL LOOPS
  RT    CHROMOSPHERE
        SOLAR FLARES
        SOLAR LIMB

CORONARY ARTERY DISEASE
  0404 0405 0408
  GS    DISEASES
        .HEART DISEASES
        .#CORONARY ARTERY DISEASE
  RT    ANGINA PECTORIS
        ARTERIOSCLEROSIS
        MYOCARDIAL INFARCTION

CORONARY CIRCULATION
  0404 0405 0408
  GS    CIRCULATION
        .BLOOD CIRCULATION
        .#CORONARY CIRCULATION
  RT    HEART
        HEART VALVES

CORONAS
  2304 2902 3002
  GS   #CORONAS
        .ELECTRIC CORONA
        .STELLAR CORONAS
        ..SOLAR CORONA
        ...CORONAL HOLES
        ...CORONAL LOOPS
  RT    ELECTRIC ARCS
        ELECTRIC DISCHARGES
        HALOS
        IONIZATION
        SOLAR SPECTRA

COROTATION
  1504 3009
  GS    GYRATION
        .ROTATION
        .#COROTATION
  RT    ASTRONOMICAL MODELS
        EARTH MAGNETOSPHERE
        GALACTIC ROTATION
        GALACTIC STRUCTURE
        SPIRAL GALAXIES
        STELLAR MOTIONS
        STELLAR ROTATION

CORPORAL MISSILE
  3101 3401
  GS    MISSILES
        .SURFACE TO SURFACE MISSILES
        .#CORPORAL MISSILE
  RT    LIQUID PROPELLANT ROCKET ENGINES

CORPUSCLES (BLOOD)
  USE   BLOOD CELLS

CORPUSCULAR RADIATION
  2306 2402 2403 2901 2902 2903
  SN    (LIMITED TO NONELECTROMAGNETIC
        RADIATION CONSISTING OF ENERGETIC
        CHARGED OR NEUTRAL PARTICLES)
  UF    PENETRATING PARTICLES
  GS    PARTICLES
        #CORPUSCULAR RADIATION
        ..ELECTRON PRECIPITATION
        ..ELECTRON RADIATION
        ...BETA PARTICLES
        ...ELECTRON BEAMS
        ....RELATIVISTIC ELECTRON BEAMS
        ..PRIMARY COSMIC RAYS
        ...SOLAR COSMIC RAYS
        ..RADIATION BELTS
        ..SOLAR CORPUSCULAR RADIATION
        ...SOLAR ELECTRONS
        ...SOLAR NEUTRONS
        ...SOLAR PROTONS
  RT    ALPHA PARTICLES
```

```
      ATMOSPHERIC RADIATION
      BACKGROUND RADIATION
      BEAMS (RADIATION)
      CERENKOV RADIATION
      CHARGED PARTICLES
      COHERENT RADIATION
      CONTINUOUS RADIATION
      COSMIC RAYS
      ELECTROMAGNETIC RADIATION
      EXTRATERRESTRIAL RADIATION
      FLUX (RATE)
      GALACTIC RADIATION
      INCIDENT RADIATION
      INTERSTELLAR RADIATION
      IONIZING RADIATION
      IONS
      MESONS
      NEUTRONS
      NUCLEAR PARTICLES
      NUCLEAR RADIATION
      NUCLEI (NUCLEAR PHYSICS)
      PARTICLE PRODUCTION
      PHONON BEAMS
      PULSED RADIATION
    % RADIATION
      RADIATION DISTRIBUTION
      RADIATION PRESSURE
      RADIATION SOURCES
    % RAYS
      REFLECTED WAVES
      REFRACTED WAVES
      SOLAR RADIATION
      SOLAR TERRESTRIAL INTERACTIONS
      STRATOSPHERE RADIATION

CORRECTION
  0703 1902 3406
  GS  #CORRECTION
      .ATMOSPHERIC CORRECTION
      .OPTICAL CORRECTION PROCEDURE
  RT  ACCOMMODATION
      ACCURACY
      ADAPTATION
      ADJUSTING
      ALIGNMENT
      ERROR CORRECTING DEVICES
      ERRORS
      IMPROVEMENT
      INFORMATION THEORY
      PARITY
      REDUNDANCY
      REVISIONS
      VEGETATIVE INDEX

CORRELATION
  0703 1902 1905 3406
  UF  CORRELATION FUNCTIONS
  GS  #CORRELATION
      .ANGULAR CORRELATION
      .AUTOCORRELATION
      .CORRELATION COEFFICIENTS
      .CORRELATION DETECTION
      .CROSS CORRELATION
      .DATA CORRELATION
      .SPECTRAL CORRELATION
      .STATISTICAL CORRELATION
  RT  BIVARIATE ANALYSIS
      COLLATING
      CONFIDENCE
      CONTINGENCY
      COORDINATION
      COVARIANCE
    % ESTIMATORS
      EVALUATION
      FACTOR ANALYSIS
      FORECASTING
      INFORMATION THEORY
      LEAST SQUARES METHOD
      MULTIVARIATE STATISTICAL ANALYSIS
      OPTIMIZATION
      PROBABILITY THEORY
      QUALITY CONTROL
      REGRESSION ANALYSIS
      REGRESSION COEFFICIENTS
      SIGNIFICANCE
      STATISTICAL ANALYSIS
      TELECONNECTIONS (METEOROLOGY)
      TIME SERIES ANALYSIS
      VALIDITY
      VARIABILITY
      VARIANCE (STATISTICS)

CORRELATION COEFFICIENTS
  1902 1905
  GS  COEFFICIENTS
      #CORRELATION COEFFICIENTS
      CORRELATION
      #CORRELATION COEFFICIENTS
      STATISTICAL ANALYSIS
      #CORRELATION COEFFICIENTS
  RT  QUALITY CONTROL
      STATISTICAL CORRELATION

CORRELATION DETECTION
  0702 0705 2301
  GS  CORRELATION
      #CORRELATION DETECTION
      DETECTION
      .SIGNAL DETECTION
      .#CORRELATION DETECTION
  RT % DETECTORS
       ELECTROMAGNETIC WAVE FILTERS
       PHASE LOCK DEMODULATORS
       SIGNAL TO NOISE RATIOS

CORRELATION FUNCTIONS
  USE  CORRELATION

CORRELATORS
  1902
  SN  (LIMITED TO DEVICES THAT DETECT
      WEAK SIGNALS IN NOISE BY
      PERFORMING AN ELECTRONIC OPERATION)
  UF  SYNCHRONOUS DETECTORS
  GS  #CORRELATORS
      .IMAGE CORRELATORS
      .OPTICAL CORRELATORS
  RT  SYNCHROSCOPES

CORRIDORS
  1101 1102
  GS  #CORRIDORS
      .GREAT PLAINS CORRIDOR (NORTH
       AMERICA)
      .ST LOUIS-KANSAS CITY CORRIDOR (MO)
  RT  PASSAGEWAYS

CORROSION
  1702
  UF  METAL CORROSION
  GS  #CORROSION
      .CAVITATION CORROSION
      .ELECTROCHEMICAL CORROSION
      .FRETTING CORROSION
      .FUEL CORROSION
      .HOT CORROSION
      .INTERGRANULAR CORROSION
      .RUSTING
      .SCALE (CORROSION)
      .STRESS CORROSION
      ..STRESS CORROSION CRACKING
      .TRANSGRANULAR CORROSION
  RT  CHEMICAL ATTACK
      CHEMICAL REACTIONS
      COATINGS
      DAMAGE
      DEGRADATION
      DEPOSITS
      DETERIORATION
      DISSOLVING
      DURABILITY
      ELECTROCHEMISTRY
      ELECTROLYSIS
      EROSION
      ETCHANTS
```

```
      ETCHING
      FAILURE
      FINISHES
      FOULING
      GAS-METAL INTERACTIONS
      HUMIDITY
      IMPINGEMENT
      INCOMPATIBILITY
      METAL COATINGS
      METAL-WATER REACTIONS
    % METALLURGY
      OXIDATION
      PASSIVITY
      PITTING
      PROTECTIVE COATINGS
      SALT SPRAY TESTS
      STERILIZATION EFFECTS
      SURFACE PROPERTIES
      TRIBOLOGY
      WEAR
      WEATHERING

CORROSION PREVENTION
  1701 1702 1704 1802
  GS  PREVENTION
      #CORROSION PREVENTION
      PROTECTION
      #CORROSION PREVENTION
  RT  AERATION
      ANTIFOULING
      ANTIOXIDANTS
      CAVITATION CORROSION
      CHEMICAL ATTACK
      CLEANING
      COATING
      COATINGS
      DESENSITIZING
    % FILMS
      FUEL TANKS
    % INHIBITION
      INHIBITORS
      METAL COATINGS
      NICKEL COATINGS
      PACKAGING
      PASSIVITY
      PRESERVING
      PROPELLANT ADDITIVES
      SENSITIZING
      SILICONIZING
      SURFACE FINISHING
      SURFACE TREATMENT
      WATER TREATMENT
      WEATHERPROOFING

CORROSION RESISTANCE
  1701 1702 1704 1802
  GS  #CORROSION RESISTANCE
      .OXIDATION RESISTANCE
  RT  ANTIOXIDANTS
      CAVITATION CORROSION
      CHEMICAL ATTACK
      CHEMICAL TESTS
      PASSIVITY
      PITTING
    % RESISTANCE
      RUSTING
      SALT SPRAY TESTS
      SILICONIZING
      SULFIDATION
      SURFACE FINISHING

CORROSION TEST LOOPS
  1702 1704
  GS  ENVIRONMENTAL TESTS
      .CORROSION TESTS
      .#CORROSION TEST LOOPS
      LOOPS
      #CORROSION TEST LOOPS
  RT % TESTS

CORROSION TESTS
  1702 1704 1802
  GS  ENVIRONMENTAL TESTS
      #CORROSION TESTS
      ..CORROSION TEST LOOPS
      ..SALT SPRAY TESTS
  RT  CAVITATION CORROSION
      CHEMICAL ATTACK
      DESTRUCTIVE TESTS
      FUEL TESTS
    % MATERIALS TESTS
      PITTING
      PROPELLANT TESTS
      STABILITY TESTS
      STRESS CORROSION CRACKING
    % TESTS
      TRANSGRANULAR CORROSION
      UNDERWATER TESTS
      WEATHERING

CORRUGATED PLATES
  3202
  GS  STRUCTURAL MEMBERS
      .PLATES (STRUCTURAL MEMBERS)
      .#CORRUGATED PLATES
  RT  CORRUGATING
      REINFORCED PLATES

CORRUGATED SHELLS
  3202
  GS  SHELLS (STRUCTURAL FORMS)
      #CORRUGATED SHELLS
  RT  ANISOTROPIC SHELLS
      CORRUGATING
      REINFORCED SHELLS

CORRUGATING
  3203
  RT  CORRUGATED PLATES
      CORRUGATED SHELLS
      DEFORMATION
      GROOVES
    % PLATES
    % RIDGES
    % WAVES

CORSAIR AIRCRAFT
  USE A-7 AIRCRAFT

% CORTEXES
  0402 0404 0409
  SN  (USE OF A MORE SPECIFIC TERM IS
      RECOMMENDED--CONSULT THE TERMS
      LISTED BELOW)
  RT  CEREBRAL CORTEX
      CORTEXES (BOTANY)

CORTEXES (BOTANY)
  0404 0409
  RT % CORTEXES
      PLANTS (BOTANY)

CORTI ORGAN
  0404
  GS  ANATOMY
      .SENSE ORGANS
      ..EAR
      ...LABYRINTH
      ....COCHLEA
      ....#CORTI ORGAN

CORTICOSTEROIDS
  0403 0404
  GS  ORGANIC COMPOUNDS
      .LIPIDS
      ..STEROIDS
      ..#CORTICOSTEROIDS
      ....ALDOSTERONE
      ....HYDROXYCORTICOSTEROID
      .....CORTISONE
      SECRETIONS
      .ENDOCRINE SECRETIONS
      ..HORMONES
      ..#CORTICOSTEROIDS
      ....ALDOSTERONE
```

....HYDROXYCORTICOSTEROID
.....CORTISONE
RT ADRENAL METABOLISM

CORTISONE
0403 0404 0405 0408
GS DRUGS
#CORTISONE
ORGANIC COMPOUNDS
.LIPIDS
..STEROIDS
...CORTICOSTEROIDS
....HYDROXYCORTICOSTEROID
....#CORTISONE
SECRETIONS
.ENDOCRINE SECRETIONS
..HORMONES
...CORTICOSTEROIDS
....HYDROXYCORTICOSTEROID
....#CORTISONE
RT ADRENAL METABOLISM
CARBOHYDRATE METABOLISM

CORUNDUM
USE ALUMINUM OXIDES

CORVUS MISSILE
3101 3401
GS MISSILES
#CORVUS MISSILE
RT LIQUID PROPELLANT ROCKET ENGINES

COS-B SATELLITE
3107
GS ARTIFICIAL SATELLITES
.ESA SATELLITES
.#COS-B SATELLITE
ESA SPACECRAFT
.ESA SATELLITES
.#COS-B SATELLITE
RT EUROPA 2 LAUNCH VEHICLE
EUROPEAN SPACE PROGRAMS

COSINE SERIES
1902
GS ANALYSIS (MATHEMATICS)
.CALCULUS
..SERIES (MATHEMATICS)
..#COSINE SERIES
.REAL VARIABLES
..DIFFERENTIAL EQUATIONS
..#COSINE SERIES
..PERIODIC FUNCTIONS
...TRIGONOMETRIC FUNCTIONS
...#COSINE SERIES
..SERIES (MATHEMATICS)
..#COSINE SERIES
FUNCTIONS (MATHEMATICS)
.TRANSCENDENTAL FUNCTIONS
..PERIODIC FUNCTIONS
...TRIGONOMETRIC FUNCTIONS
...#COSINE SERIES
RT WAVELET ANALYSIS

COSMIC BACKGROUND EXPLORER SATELLITE
2903
UF COBE
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#COSMIC BACKGROUND EXPLORER SATELLITE
RT BACKGROUND RADIATION
RADIATION SPECTRA
SPACEBORNE ASTRONOMY

COSMIC DUST
1308 3001 3003 3005 3009
GS PARTICLES
.DUST
.#COSMIC DUST
...INTERPLANETARY DUST
....METEOROID DUST CLOUDS
.....ZODIACAL DUST
RT INFRARED CIRRUS (ASTRONOMY)
INTERGALACTIC MEDIA
INTERSTELLAR MATTER
METEOROIDS
MICROMETEORITES
MICROMETEOROIDS
MOLECULAR CLOUDS
ORGANIC SOLIDS
REFLECTION NEBULAE
SPACE DEBRIS
TERRESTRIAL DUST BELT
VENUS FLY TRAP ROCKET VEHICLE

COSMIC GAMMA RAY BURSTS
USE GAMMA RAY BURSTS

COSMIC GASES
3001 3003 3009
GS EXTRATERRESTRIAL MATTER
#COSMIC GASES
..INTERPLANETARY GAS
..INTERSTELLAR GAS
GASES
.RAREFIED GASES
.#COSMIC GASES
...INTERPLANETARY GAS
...INTERSTELLAR GAS
RT COOLING FLOWS (ASTROPHYSICS)
DEGENERATE MATTER
ELECTRON GAS
INTERGALACTIC MEDIA
IONIZED GASES
NEUTRAL GASES

COSMIC NOISE
0705 2402 2901
GS ELECTROMAGNETIC INTERFERENCE
.RADIO FREQUENCY INTERFERENCE
..ELECTROMAGNETIC NOISE
..#COSMIC NOISE
RT ALOUETTE PROJECT
BACKGROUND NOISE
BACKGROUND RADIATION
CENTIMETER WAVES
ELECTROMAGNETIC NOISE MEASUREMENT
GALACTIC RADIATION
GALACTIC RADIO WAVES
INTERSTELLAR RADIATION
MICROWAVE EMISSION
MICROWAVES
NOISE STORMS
SOLAR RADIATION
SOLAR RADIO EMISSION

COSMIC PLASMA
2501 3001 3003 3009
GS EXTRATERRESTRIAL MATTER
#COSMIC PLASMA
PARTICLES
.CHARGED PARTICLES
..ENERGETIC PARTICLES
...PLASMAS (PHYSICS)
...#COSMIC PLASMA
RT INTERGALACTIC MEDIA
INTERPLANETARY GAS
PLASMA CLOUDS
PLASMAPAUSE
RELATIVISTIC PLASMAS
SOLAR WIND
STELLAR WINDS
STRONGLY COUPLED PLASMAS

COSMIC RADIATION
USE COSMIC RAYS

COSMIC RADIO WAVES
USE EXTRATERRESTRIAL RADIO WAVES

COSMIC RAY ALBEDO
2402 2403 2901 2902
GS ALBEDO

#COSMIC RAY ALBEDO
RT ABSORPTANCE
% ABSORPTION
ATMOSPHERIC ATTENUATION
EARTH ALBEDO
LUNAR ALBEDO
PRIMARY COSMIC RAYS
REFLECTANCE
SECONDARY COSMIC RAYS

COSMIC RAY SHOWERS
0710 2402 2403 2901 2902
UF MOLIERE FORMULA
GS IONIZING RADIATION
.COSMIC RAYS
.#COSMIC RAY SHOWERS
RT AUGER EFFECT
% CASCADES
ELECTRON PHOTON CASCADES
SECONDARY COSMIC RAYS
% SHOWERS

COSMIC RAYS
0710 2402 2403 2901 2902
UF COSMIC RADIATION
GS IONIZING RADIATION
#COSMIC RAYS
..COSMIC RAY SHOWERS
..GALACTIC COSMIC RAYS
..GAMMA RAY BURSTS
..PRIMARY COSMIC RAYS
...SOLAR COSMIC RAYS
..SECONDARY COSMIC RAYS
RT AEROSPACE ENVIRONMENTS
ALBEDO
ALPHA PARTICLES
BIG BANG COSMOLOGY
CERENKOV RADIATION
CORPUSCULAR RADIATION
DEUTERONS
ELECTROMAGNETIC RADIATION
ELECTRON ACCELERATION
ELECTRONS
EXTRATERRESTRIAL RADIATION
FORBUSH DECREASES
GALACTIC RADIATION
GAMMA RAY TELESCOPES
GAMMA RAYS
HELIOSPHERE
INTERSTELLAR RADIATION
ION DENSITY (CONCENTRATION)
MESONS
NEUTRONS
NUCLEAR PARTICLES
NUCLEI (NUCLEAR PHYSICS)
PARTICLE TRACKS
PHOTONS
PROTONS
% RADIATION
RADIATION BELTS
RADIATIVE TRANSFER
SCINTILLATING FIBERS
SINGLE EVENT UPSETS
SOLAR RADIATION
STELLAR RADIATION
VLF EMISSION RECORDERS
X RAYS

COSMIC X RAYS
2402 2903
GS ELECTROMAGNETIC RADIATION
.X RAYS
.#COSMIC X RAYS
IONIZING RADIATION
.X RAYS
.#COSMIC X RAYS
RT EXTRATERRESTRIAL RADIATION
GALACTIC RADIATION
GAMMA RAY ASTRONOMY
GAMMA RAY BURSTS
GAMMA RAYS
X RAY ASTRONOMY
X RAY BINARIES
X RAY SOURCES

COSMOCHEMISTRY
0603 3001
RT COSMOLOGY
EXTRATERRESTRIAL MATTER
GEOCHEMISTRY
INTERSTELLAR CHEMISTRY
METEORITIC COMPOSITION

COSMOGONY
USE COSMOLOGY

COSMOLOGY
3003 3009
UF COSMOGONY
GS #COSMOLOGY
.BIG BANG COSMOLOGY
.HUBBLE DIAGRAM
.MISSING MASS (ASTROPHYSICS)
RT ASTRONOMICAL MODELS
ASTROPHYSICS
COSMOCHEMISTRY
DARK MATTER
EVENT HORIZON
EXISTENCE
GALACTIC EVOLUTION
GRAND UNIFIED THEORY
GRAVITINOS
HUBBLE CONSTANT
LOCAL GROUP (ASTRONOMY)
MASS DISTRIBUTION
NAKED SINGULARITIES
NUCLEAR ASTROPHYSICS
PLANETARY EVOLUTION
PROTOPLANETS
RED SHIFT
STAR DISTRIBUTION
STAR FORMATION
STELLAR EVOLUTION
STELLAR MASS ACCRETION
STRING THEORY
SUPERGRAVITY
SUPERSYMMETRY
UNIVERSE
WHITE HOLES (ASTRONOMY)

COSMONAUTS
0502 3104
GS PERSONNEL
.FLYING PERSONNEL
.#COSMONAUTS
RT % ASTRONAUTICS
ASTRONAUTS
CREW EXPERIMENT STATIONS
CREW OBSERVATION STATIONS
CREW WORKSTATIONS
CREWS
PILOTS (PERSONNEL)
SPACECREWS

% COSMOS
3003 3107
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT COSMOS SATELLITES
UNIVERSE

COSMOS SATELLITES
3107
GS ARTIFICIAL SATELLITES
.GEOPHYSICAL SATELLITES
.#COSMOS SATELLITES
...INTERCOSMOS SATELLITES
.SOVIET SATELLITES
.#COSMOS SATELLITES
...COSMOS 2 SATELLITE
...COSMOS 3 SATELLITE
...COSMOS 5 SATELLITE
...COSMOS 6 SATELLITE
...COSMOS 14 SATELLITE

```
        ...COSMOS 44 SATELLITE
        ...COSMOS 54 SATELLITE
        ...COSMOS 71 SATELLITE
        ...COSMOS 110 SATELLITE
        ...COSMOS 137 SATELLITE
        ...COSMOS 144 SATELLITE
        ...COSMOS 149 SATELLITE
        ...COSMOS 166 SATELLITE
        ...COSMOS 186 SATELLITE
        ...COSMOS 188 SATELLITE
        ...COSMOS 206 SATELLITE
        ...COSMOS 213 SATELLITE
        ...COSMOS 224 SATELLITE
        ...COSMOS 225 SATELLITE
        ...COSMOS 381 SATELLITE
        ...COSMOS 954 SATELLITE
        ...COSMOS 1129 SATELLITE
        ...INTERCOSMOS SATELLITES
  RT % COSMOS

COSMOS 2 SATELLITE
  3107
  GS    ARTIFICIAL SATELLITES
        .SOVIET SATELLITES
        ..COSMOS SATELLITES
        ..#COSMOS 2 SATELLITE

COSMOS 3 SATELLITE
  3107
  GS    ARTIFICIAL SATELLITES
        .SOVIET SATELLITES
        ..COSMOS SATELLITES
        ..#COSMOS 3 SATELLITE

COSMOS 5 SATELLITE
  3107
  GS    ARTIFICIAL SATELLITES
        .SOVIET SATELLITES
        ..COSMOS SATELLITES
        ..#COSMOS 5 SATELLITE

COSMOS 6 SATELLITE
  3107
  GS    ARTIFICIAL SATELLITES
        .SOVIET SATELLITES
        ..COSMOS SATELLITES
        ..#COSMOS 6 SATELLITE

COSMOS 14 SATELLITE
  3107
  GS    ARTIFICIAL SATELLITES
        .SOVIET SATELLITES
        ..COSMOS SATELLITES
        ..#COSMOS 14 SATELLITE

COSMOS 44 SATELLITE
  3107
  GS    ARTIFICIAL SATELLITES
        .SOVIET SATELLITES
        ..COSMOS SATELLITES
        ..#COSMOS 44 SATELLITE

COSMOS 54 SATELLITE
  3107
  GS    ARTIFICIAL SATELLITES
        .SOVIET SATELLITES
        ..COSMOS SATELLITES
        ..#COSMOS 54 SATELLITE

COSMOS 71 SATELLITE
  3107
  GS    ARTIFICIAL SATELLITES
        .SOVIET SATELLITES
        ..COSMOS SATELLITES
        ..#COSMOS 71 SATELLITE

COSMOS 110 SATELLITE
  3107
  GS    ARTIFICIAL SATELLITES
        .SOVIET SATELLITES
        ..COSMOS SATELLITES
        ..#COSMOS 110 SATELLITE

COSMOS 137 SATELLITE
  3107
  GS    ARTIFICIAL SATELLITES
        .SOVIET SATELLITES
        ..COSMOS SATELLITES
        ..#COSMOS 137 SATELLITE

COSMOS 144 SATELLITE
  3107
  GS    ARTIFICIAL SATELLITES
        .METEOROLOGICAL SATELLITES
        .#COSMOS 144 SATELLITE
        .SOVIET SATELLITES
        ..COSMOS SATELLITES
        ..#COSMOS 144 SATELLITE

COSMOS 149 SATELLITE
  3107
  UF    SPACE ARROW SATELLITE
  GS    ARTIFICIAL SATELLITES
        .SOVIET SATELLITES
        ..COSMOS SATELLITES
        ..#COSMOS 149 SATELLITE

COSMOS 166 SATELLITE
  3107
  GS    ARTIFICIAL SATELLITES
        .SOVIET SATELLITES
        ..COSMOS SATELLITES
        ..#COSMOS 166 SATELLITE

COSMOS 186 SATELLITE
  3107
  GS    ARTIFICIAL SATELLITES
        .SOVIET SATELLITES
        ..COSMOS SATELLITES
        ..#COSMOS 186 SATELLITE

COSMOS 188 SATELLITE
  3107
  GS    ARTIFICIAL SATELLITES
        .SOVIET SATELLITES
        ..COSMOS SATELLITES
        ..#COSMOS 188 SATELLITE

COSMOS 206 SATELLITE
  3107
  GS    ARTIFICIAL SATELLITES
        .SOVIET SATELLITES
        ..COSMOS SATELLITES
        ..#COSMOS 206 SATELLITE

COSMOS 213 SATELLITE
  3107
  GS    ARTIFICIAL SATELLITES
        .SOVIET SATELLITES
        ..COSMOS SATELLITES
        ..#COSMOS 213 SATELLITE

COSMOS 224 SATELLITE
  3107
  GS    ARTIFICIAL SATELLITES
        .SOVIET SATELLITES
        ..COSMOS SATELLITES
        ..#COSMOS 224 SATELLITE

COSMOS 225 SATELLITE
  3107
  GS    ARTIFICIAL SATELLITES
        .SOVIET SATELLITES
        ..COSMOS SATELLITES
        ..#COSMOS 225 SATELLITE

COSMOS 381 SATELLITE
  3107
  GS    ARTIFICIAL SATELLITES
        .SOVIET SATELLITES
        ..COSMOS SATELLITES
        ..#COSMOS 381 SATELLITE

COSMOS 782 SATELLITE
  3107
```

```
  GS   ARTIFICIAL SATELLITES
       .SOVIET SATELLITES
       .#COSMOS 782 SATELLITE
  RT   INTERNATIONAL COOPERATION

COSMOS 936 SATELLITE
  3107
  GS   ARTIFICIAL SATELLITES
       .SOVIET SATELLITES
       .#COSMOS 936 SATELLITE
  RT   INTERNATIONAL COOPERATION

COSMOS 954 SATELLITE
  3107
  GS   ARTIFICIAL SATELLITES
       .SOVIET SATELLITES
       ..COSMOS SATELLITES
       ..#COSMOS 954 SATELLITE
  RT   UNCONTROLLED REENTRY (SPACECRAFT)

COSMOS 1129 SATELLITE
  3104
  GS   ARTIFICIAL SATELLITES
       .SOVIET SATELLITES
       ..COSMOS SATELLITES
       ..#COSMOS 1129 SATELLITE
  RT   INTERNATIONAL COOPERATION

COSPAR (COMMITTEE)
  USE  COMMITTEE ON SPACE RESEARCH

COSPAS
  3107
  GS   ARTIFICIAL SATELLITES
       #COSPAS
  RT   RECONNAISSANCE
       RESCUE OPERATIONS
       SARSAT
       SEARCHING

COSSERAT SURFACES
  3203
  RT   FLAT SURFACES
     % SURFACE GEOMETRY
       SURFACE PROPERTIES
     % SURFACES

COST ANALYSIS
  3402 4001
  RT % ANALYZING
       BUDGETING
       COMPARISON
       COSTS
       DESIGN TO COST
       ECONOMIC ANALYSIS
       FEASIBILITY
       FEASIBILITY ANALYSIS
       FINANCIAL MANAGEMENT
       LIFE CYCLE COSTS
       MANAGEMENT
       MANAGEMENT ANALYSIS
       MANAGEMENT PLANNING
       OPTICAL TRANSFER FUNCTION
       PRODUCTION COSTS
       PROPOSALS
       VALUE ENGINEERING
       WAGE SURVEYS

COST EFFECTIVENESS
  3406
  GS   EFFECTIVENESS
       #COST EFFECTIVENESS
  RT   ALLOCATIONS
       BUDGETING
       LIFE CYCLE COSTS

COST ESTIMATES
  3401 3402 3406 3409 4001
  GS   ESTIMATES
       #COST ESTIMATES
  RT   AIRCRAFT PRODUCTION COSTS
       APPROPRIATIONS
       BUDGETING
       COSTS
       ECONOMIC ANALYSIS
       ECONOMY
     % ESTIMATORS
       FEDERAL BUDGETS
       FINANCIAL MANAGEMENT
       MANAGEMENT
       PRODUCTION COSTS
       VALUE ENGINEERING
       WAGE SURVEYS

COST INCENTIVES
  3402 3404 3406 4001
  RT   EFFICIENCY
       INCENTIVE TECHNIQUES
       MANAGEMENT
       VALUE ENGINEERING

COST REDUCTION
  3402 3404 3406
  RT   COMMONALITY
       EFFICIENCY
       INCENTIVE TECHNIQUES
       MANAGEMENT
       MANAGEMENT METHODS
       MANAGEMENT PLANNING
       VALUE ENGINEERING
       WAGE SURVEYS

COSTA RICA
  1305
  GS   NATIONS
       #COSTA RICA
  RT   CENTRAL AMERICA

COSTS
  3402 3404 3406
  GS  #COSTS
       .AIRCRAFT PRODUCTION COSTS
       .FREIGHT COSTS
       .LIFE CYCLE COSTS
       .LOW COST
       .OPERATING COSTS
  RT   ACCOUNTING
       AIRCRAFT PRODUCTION
       COMMERCE
       COST ANALYSIS
       COST ESTIMATES
       DAMAGE ASSESSMENT
       DESIGN TO COST
       ECONOMIC ANALYSIS
       ECONOMIC FACTORS
       ECONOMIC IMPACT
       ECONOMICS
       EFFICIENCY
       ESTIMATING
       EVALUATION
       FEASIBILITY
       FINANCIAL MANAGEMENT
       GROSS NATIONAL PRODUCT
       REVENUE
       TASK COMPLEXITY
       TASKS
       VALUE

COTE D'IVOIRE
  1305
  UF   IVORY COAST
  GS   NATIONS
       #COTE D'IVOIRE
  RT   AFRICA

COTTON
  0409 1811
  GS   FARM CROPS
       #COTTON
       PLANTS (BOTANY)
       #COTTON
  RT   BOLL WEEVILS
       BOLLWORMS
       CLOTHING
       CORDAGE
```

```
        COTTON FIBERS
        EARTH RESOURCES
        FABRICS
        FIBERS
        TEXTILES
        YARNS

COTTON FIBERS
  0409 1811
  GS    CLOTHING
        #COTTON FIBERS
        FIBERS
        #COTTON FIBERS
        TEXTILES
        #COTTON FIBERS
  RT    COTTON
        CREPE
        ORGANIC MATERIALS

COUCHES
  0401 0408 0506 3104
  RT    BEDS
        CUSHIONS
        HARNESSES
        PILLOWS
        SEATS

COUETTE FLOW
  1202 1203
  GS    FLUID FLOW
        .STEADY FLOW
        .#COUETTE FLOW
        .TWO DIMENSIONAL FLOW
        .#COUETTE FLOW
        .VISCOUS FLOW
        .#COUETTE FLOW
  RT    ANNULAR FLOW
        AXISYMMETRIC FLOW
        HARTMANN FLOW
        ROTATING CYLINDERS

COUGAR AIRCRAFT
  USE   F-9 AIRCRAFT

COUGH
  0405 0408
  GS    REFLEXES
        .RESPIRATORY REFLEXES
        .#COUGH
        SIGNS AND SYMPTOMS
        #COUGH
  RT    EXPELLANTS

COULEES
  USE   CANYONS

COULOMB COLLISIONS
  2304 2403
  GS    COLLISIONS
        #COULOMB COLLISIONS
  RT    CHARGED PARTICLES

COULOMB POTENTIAL
  1001 2304 2403
  GS    POTENTIAL ENERGY
        .ELECTRIC POTENTIAL
        .#COULOMB POTENTIAL
  RT    CHARGED PARTICLES
        COULOMETRY
        ELECTRIC FIELD STRENGTH
        ELECTRIC FIELDS
     %  POTENTIAL

COULOMETERS
  0601 0604 0902 1406 2304
  GS    MEASURING INSTRUMENTS
        #COULOMETERS
  RT    AMMETERS
        CHEMICAL ANALYSIS
        COULOMETRY
        ELECTRICAL MEASUREMENT
        ELECTROCHEMISTRY
        ELECTRODEPOSITION
        ELECTROLYSIS
        TITRATION
        VOLTMETERS

COULOMETRY
  0601 0604 2304
  GS    ELECTRICAL MEASUREMENT
        #COULOMETRY
        ELECTROCHEMISTRY
        .ELECTROLYSIS
        .#COULOMETRY
  RT    COULOMB POTENTIAL
        COULOMETERS

COUNTDOWN
  3102
  GS    PREFLIGHT OPERATIONS
        #COUNTDOWN
        SCHEDULES
        #COUNTDOWN
  RT    CHECKOUT
        CREW PROCEDURES (PREFLIGHT)
        LAUNCHING
        LIFTOFF (LAUNCHING)
        PRELAUNCH PROBLEMS
        PRELAUNCH TESTS
        SPACE VEHICLE CHECKOUT PROGRAM
        SPACECRAFT LAUNCHING
        WINDOWS (INTERVALS)

COUNTER ROTATION
  1504
  GS    GYRATION
        .ROTATION
        .#COUNTER ROTATION
  RT    BOUNDARY VALUE PROBLEMS
        COUNTER-ROTATING WHEELS
        COUNTERFLOW
        ROTATING DISKS
        ROTATING FLUIDS

COUNTER-ROTATING WHEELS
  0104 0303 0405
  UF    INERTIA WHEELS
  GS    WHEELS
        #COUNTER-ROTATING WHEELS
  RT    COUNTER ROTATION
        FLYWHEELS
        GEARS
        MECHANICAL DRIVES
        REACTION WHEELS

COUNTERBALANCES
  0902 1504
  RT    AIRCRAFT STABILITY
        BALLAST (MASS)
        DYNAMIC STABILITY
        MASS DISTRIBUTION
        SPACECRAFT STABILITY
        STATIC STABILITY

COUNTERFLOW
  1202
  GS    FLUID FLOW
        #COUNTERFLOW
  RT    AXIAL FLOW
        COUNTER ROTATION
        HEAT EXCHANGERS
        HEAT TRANSFER
        TRAPPED VORTICES
        TURBULENT DIFFUSION
        TURBULENT FLOW
        VORTICES

COUNTERMEASURES
  0702 3401
  GS   #COUNTERMEASURES
        .BALLISTIC MISSILE DECOYS
        .ELECTRONIC COUNTERMEASURES
        ..ANTIRADAR COATINGS
        ..CHAFF
        .JAMMING
```

.OPTICAL COUNTERMEASURES
.REENTRY DECOYS
RT ANTIRADIATION MISSILES
BLUE GOOSE MISSILE
DECOYS
PROTECTION
QUAIL MISSILE
RADAR ABSORBERS
TARGET MASKING
TORPEDOES

COUNTERS
0801 0905
UF DEKATRONS
GAS DISCHARGE COUNTERS
PULSE RECORDERS
QUANTIZER
GS MEASURING INSTRUMENTS
#COUNTERS
..RADIATION COUNTERS
...CERENKOV COUNTERS
...ELECTRON COUNTERS
...GEIGER COUNTERS
...NEUTRON COUNTERS
....NEUTRON SPECTROMETERS
...PARTICLE TELESCOPES
...PROPORTIONAL COUNTERS
...QUANTUM COUNTERS
...SCINTILLATION COUNTERS
...SPARK CHAMBERS
RT ACCUMULATORS (COMPUTERS)
COMPUTER COMPONENTS
COUNTING
COUNTING CIRCUITS
DATA RECORDERS
IONIZATION CHAMBERS
MONITORS
RECORDING INSTRUMENTS

COUNTERSINKING
1504
RT GRINDING (MATERIAL REMOVAL)
METAL CUTTING

COUNTING
0703 0804 1002 1902 3407
RT COUNTERS
DATA ACQUISITION
ENUMERATION
ESTIMATING
% MEASUREMENT
% NUMBERS
OBSERVATION
REPETITION
SAMPLING

COUNTING CIRCUITS
0902
GS CIRCUITS
#COUNTING CIRCUITS
..SCALERS
RT COUNTERS
LOGIC CIRCUITS

COUNTING RATE COMPUTERS
0801 0802
GS DATA PROCESSING EQUIPMENT
.COMPUTERS
.#COUNTING RATE COMPUTERS

COUPLED MODES
0710 2403 2404
UF MODE COUPLING
GS MODES
#COUPLED MODES
RT CHEMICAL BONDS
COUPLES
COUPLINGS
CROSSLINKING
LASER ARRAYS
MAGNETOSPHERE-IONOSPHERE COUPLING
POLYMERIZATION
STRONGLY COUPLED PLASMAS
UNCOUPLED MODES

COUPLERS
0904
SN (EXCLUDES MECHANICAL DEVICE)
GS #COUPLERS
.ANTENNA COUPLERS
..DIPLEXERS
..DIRECTIONAL COUPLERS
.COUPLING CIRCUITS
RT ANTENNA COMPONENTS
COUPLING
COUPLINGS
IMPEDANCE MATCHING
YOKES

COUPLES
2308 2311
RT ANTENNA COUPLERS
COUPLED MODES
COUPLING CIRCUITS
CROSS COUPLING
DIPLEXERS
OPTICAL COUPLING
SPIN-SPIN COUPLING
UNCOUPLED MODES
YOKES

COUPLING
0603 0902 1001 1504 1507
SN (FOR MECHANICAL DEVICES, USE COUPLINGS)
GS #COUPLING
.ACOUSTIC COUPLING
.CROSS COUPLING
.ELECTROMAGNETIC COUPLING
..MICROWAVE COUPLING
..OPTICAL COUPLING
.GYROSCOPIC COUPLING
.MAGNETOSPHERE-IONOSPHERE COUPLING
.SPIN-SPIN COUPLING
.THERMODYNAMIC COUPLING
RT ANTENNA COUPLERS
CLEBSCH-GORDAN COEFFICIENTS
COUPLERS
COUPLINGS
DECOUPLING
DIRECTIONAL COUPLERS
LINKAGES
MECHANICAL DRIVES
RACAH COEFFICIENT
VELOCITY COUPLING
WAVE INTERACTION

COUPLING CIRCUITS
0701 0702 0901 0902 0905
GS CIRCUITS
#COUPLING CIRCUITS
COUPLERS
#COUPLING CIRCUITS
RT ANTENNA COUPLERS
COUPLES
CROSS COUPLING
ENERGY TRANSFER
IMPEDANCE MATCHING
MICROWAVE COUPLING
% NETWORKS
RC CIRCUITS
RL CIRCUITS
TRANSFORMERS

COUPLING COEFFICIENTS
1902 2308 3203
GS COEFFICIENTS
#COUPLING COEFFICIENTS
RT FORM FACTORS
MAGNETIC INDUCTION
TRANSFER FUNCTIONS

COUPLINGS
1504
RT ANCHORS (FASTENERS)

BOLTS
CLIPS
CLOSURES
CONNECTORS
COUPLED MODES
COUPLERS
COUPLING
DIRECTIONAL COUPLERS
FASTENERS
FITTINGS
% JOINING
JOINTS (JUNCTIONS)
LINKAGES
MECHANICAL DRIVES
PINS
RIVETS
SCREWS
SLEEVES
SPLINES
TRAILERS
UNIONS (CONNECTORS)

COURIER AIRCRAFT
USE U-10 AIRCRAFT

COURIER SATELLITE
0706 3107
GS ARTIFICIAL SATELLITES
#COURIER SATELLITE
RT ADVENT PROJECT

COURSES
USE PATHS

COVALENCE
0601 0603 0604
RT CHEMICAL BONDS
COVALENT BONDS

COVALENT BONDS
0603
GS CHEMICAL BONDS
#COVALENT BONDS
RT COVALENCE

COVARIANCE
1902 1903 1905
GS STATISTICAL ANALYSIS
.VARIANCE (STATISTICS)
..MULTIVARIATE STATISTICAL ANALYSIS
..#COVARIANCE
RT CORRELATION
EXPERIMENT DESIGN
FACTOR ANALYSIS
ORTHOGONALITY
QUALITY CONTROL
REGRESSION ANALYSIS
SIGNIFICANCE
VARIABILITY

COVERALLS
0508
GS CLOTHING
#COVERALLS
RT FLIGHT CLOTHING
PROTECTIVE CLOTHING

COVERINGS
0903 0904 1308 3401
RT CAMOUFLAGE
% CAPS
% CASING
CLOSURES
COATINGS
ELECTROSTATIC BONDING
ENCLOSURES
% ENVELOPES
GUARDS (SHIELDS)
HOUSINGS
JACKETS
MASKING
PRESERVING
SEALING
SHELLS (STRUCTURAL FORMS)
SHROUDS
SPHERICAL CAPS

COVES
USE BAYS (TOPOGRAPHIC FEATURES)

COWELL METHOD
USE NUMERICAL INTEGRATION

COWLINGS
1504 2801 2805
GS HOUSINGS
#COWLINGS
RT AIR INTAKES
FAIRINGS
NACELLES
PODS (EXTERNAL STORES)
PROTUBERANCES
SHELLS (STRUCTURAL FORMS)

CRAB NEBULA
3001
GS CELESTIAL BODIES
.NEBULAE
.#CRAB NEBULA
RT ORION NEBULA
SUPERNOVAE
TAURUS CONSTELLATION

CRABS
0402
GS ANIMALS
.INVERTEBRATES
..ARTHROPODS
..#CRABS

CRACK ARREST
1701
RT CRACK INITIATION
CRACK PROPAGATION
CRACK TIPS
CRACKING (FRACTURING)

CRACK CLOSURE
1704
RT BRITTLENESS
CRACKING (FRACTURING)
CRACKS
ELBER EQUATION
FATIGUE (MATERIALS)
FRACTOGRAPHY
FRACTURE MECHANICS
FRACTURE STRENGTH
FRACTURING
GRIFFITH CRACK
METAL FATIGUE
MICROCRACKS
STRESS CORROSION CRACKING
SURFACE CRACKS

CRACK FORMATION
USE CRACK INITIATION

CRACK GEOMETRY
1701
GS GEOMETRY
#CRACK GEOMETRY
RT CAVITIES
CRACK TIPS
CRACKS
FATIGUE (MATERIALS)
FRACTOGRAPHY
MICROCRACKS
SHORT CRACKS
SURFACE CRACKS
VOIDS

CRACK INITIATION
1701 1702 1704 3201 3203 3204
UF CRACK FORMATION
RT BRITTLENESS

CRACK ARREST
CRACK TIPS
CRACKS
CRITICAL LOADING
FRACTURE MECHANICS
FRACTURE STRENGTH
J INTEGRAL
METAL FATIGUE
METAL SURFACES
MICROCRACKS
SHORT CRACKS
STRESS CONCENTRATION
STRESS CORROSION CRACKING
STRESS INTENSITY FACTORS
SURFACE CRACKS
SURFACE DEFECTS
TOUGHNESS

CRACK OPENING DISPLACEMENT
3204
UF COD (CRACKS)
GS DISPLACEMENT
#CRACK OPENING DISPLACEMENT
RT CRACK PROPAGATION
CRACKING (FRACTURING)
CRACKS
FRACTURE MECHANICS
FRACTURE STRENGTH
FRACTURES (MATERIALS)
FRACTURING
GAPS
NOTCH TESTS
NOTCHES
VOIDS

CRACK PROPAGATION
1701 1704 3201 3203 3204
GS PROPAGATION (EXTENSION)
#CRACK PROPAGATION
RT ACOUSTIC EMISSION
BEND TESTS
BRITTLENESS
COFFIN-MANSON LAW
CRACK ARREST
CRACK OPENING DISPLACEMENT
CRACK TIPS
CRACKING (FRACTURING)
CRACKS
FATIGUE (MATERIALS)
FRACTOGRAPHY
FRACTURE MECHANICS
FRACTURE STRENGTH
FRACTURING
GRIFFITH CRACK
J INTEGRAL
METAL FATIGUE
MICROMECHANICS
PLANE STRAIN
% PROPAGATION
RESIDUAL STRENGTH
% RESISTANCE
SEGRE CHARACTERISTIC
SHORT CRACKS
STRAIN DISTRIBUTION
STRESS CORROSION CRACKING
STRESS DISTRIBUTION
STRESS INTENSITY FACTORS
SURFACE CRACKS

CRACK TIPS
1704
GS FRACTURES (MATERIALS)
.CRACKS
.#CRACK TIPS
TIPS
#CRACK TIPS
RT CRACK ARREST
CRACK GEOMETRY
CRACK INITIATION
CRACK PROPAGATION

CRACKING (CHEMICAL ENGINEERING)
0602
GS CHEMICAL REACTIONS
#CRACKING (CHEMICAL ENGINEERING)
..HYDROCRACKING
..PYROLYSIS
DECOMPOSITION
#CRACKING (CHEMICAL ENGINEERING)
..HYDROCRACKING
..PYROLYSIS
RT AMMONOLYSIS
CATALYSIS
CATALYTIC ACTIVITY
CHEMICAL ENGINEERING
COAL GASIFICATION
ELECTROLYSIS
HYDROCARBONS
HYDROGENOLYSIS
HYDROLYSIS
NITROLYSIS
ORGANIC CHEMISTRY
PHOTOLYSIS
THERMAL DISSOCIATION

CRACKING (FRACTURING)
1704 3204
GS FRACTURING
#CRACKING (FRACTURING)
..STRESS CORROSION CRACKING
RT BRITTLE MATERIALS
BRITTLENESS
CRACK ARREST
CRACK CLOSURE
CRACK OPENING DISPLACEMENT
CRACK PROPAGATION
CRACKS
DESTRUCTION
FAILURE
FATIGUE (MATERIALS)
J INTEGRAL
RUPTURING
STRESS CONCENTRATION
STRESS CORROSION
STRESS INTENSITY FACTORS
STRUCTURAL FAILURE
STRUCTURAL STRAIN
TEMPERATURE INVERSIONS

CRACKS
1704 2601
UF CREVICES
GS FRACTURES (MATERIALS)
#CRACKS
..CRACK TIPS
..MICROCRACKS
..SHORT CRACKS
..SURFACE CRACKS
RT CAVITIES
CRACK CLOSURE
CRACK GEOMETRY
CRACK INITIATION
CRACK OPENING DISPLACEMENT
CRACK PROPAGATION
CRACKING (FRACTURING)
DEFECTS
ELBER EQUATION
FAILURE MODES
FATIGUE (MATERIALS)
INTERSTICES
LEAKAGE
OPENINGS
STRESSES
TEMPERATURE INVERSIONS
ULTRASONIC SPECTROSCOPY

CRAF MISSION
USE COMET RENDEZVOUS ASTEROID FLYBY MISSION

CRAFT
USE VEHICLES

CRAMPS
0404 0405 0408

```
  RT   EPILEPSY
       MUSCULAR FUNCTION
       SEIZURES

CRANES
  1103 1502 3202
  SN   (EXCLUDES BIRDS)
  GS   HANDLING EQUIPMENT
       #CRANES
       ..GANTRY CRANES
  RT   BOOMS (EQUIPMENT)
       CONVEYORS
     % LIFTS
       LOGISTICS
       MATERIALS HANDLING
       TOWERS
       WINCHES

CRANIUM
  0404
  GS   ANATOMY
       .HEAD (ANATOMY)
       ..SKULL
       ..#CRANIUM
       ....INTRACRANIAL CAVITY
       .MUSCULOSKELETAL SYSTEM
       ..BONES
       ...SKULL
       ...#CRANIUM
       .....INTRACRANIAL CAVITY
  RT   INTERCRANIAL CIRCULATION
       MASTOIDS

CRANK-NICHOLSON METHOD
  1902 3501
  RT   BOUNDARY VALUE PROBLEMS
       DIFFERENTIAL EQUATIONS
       FINITE DIFFERENCE THEORY
       FINITE ELEMENT METHOD
       NUMERICAL ANALYSIS
       PROBLEM SOLVING

CRANKED WINGS
  USE  SWEPT WINGS

CRANKS
  USE  ECCENTRICS

CRASH INJURIES
  0203
  GS   INJURIES
       #CRASH INJURIES
  RT   ACCIDENTS
       BURNS (INJURIES)
       HAZARDS
       WHIPLASH INJURIES

CRASH LANDING
  0203
  GS   CRASHES
       #CRASH LANDING
       ..DITCHING (LANDING)
       LANDING
       .AIRCRAFT LANDING
       .#CRASH LANDING
       ...DITCHING (LANDING)
  RT   AIRCRAFT ACCIDENTS
       AIRCRAFT HAZARDS
       AIRCRAFT SAFETY
       AIRCRAFT SPIN
       ARRESTING GEAR
       CRASHWORTHINESS
       FLIGHT HAZARDS
       GLIDE LANDINGS
       HARD LANDING
       HORIZONTAL SPACECRAFT LANDING
       LUNAR LANDING
       PILOT ERROR
       PLANETARY LANDING
       SKID LANDINGS
       SOFT LANDING
       SPACECRAFT LANDING
       WATER LANDING

CRASHES
  0203 2101
  GS  #CRASHES
       .CRASH LANDING
       ..DITCHING (LANDING)
  RT   ACCIDENTS
       AIR BAG RESTRAINT DEVICES
       AIRCRAFT ACCIDENTS
       AIRCRAFT HAZARDS
       AIRCRAFT SAFETY
       COLLISIONS
       CRASHWORTHINESS
       ENCOUNTERS
       FLIGHT HAZARDS
       FLIGHT SAFETY
       HIGHWAYS
       MIDAIR COLLISIONS
       PILOT ERROR
       SAFETY
       WRECKAGE

CRASHWORTHINESS
  3406
  RT   AIRCRAFT ACCIDENTS
       AIRCRAFT LANDING
       AIRCRAFT SAFETY
       CRASH LANDING
       CRASHES
       FLIGHT SAFETY
       IMPACT RESISTANCE

CRATERING
  2202 3201 3302 3001
  GS  #CRATERING
       .PROJECTILE CRATERING
  RT   CRATERS
       EJECTA
       IMPACT DAMAGE
       MARS CRATERS
       METEORITE CRATERS
       METEORITIC DAMAGE
       NUCLEAR EXPLOSIONS

CRATERS
  3004 3005 3201 1306
  UF   MAARS
       METEOR CRATERS
  GS  #CRATERS
       .LUNAR CRATERS
       ..PTOLEMAEUS CRATER
       ..TYCHO CRATER
       .METEORITE CRATERS
       .PLANETARY CRATERS
       ..MARS CRATERS
  RT   CALDERAS
       CONES (VOLCANOES)
       CRATERING
       EJECTA
       IMPACT DAMAGE
       SATELLITE SURFACES

CRATONS
  1306 1308
  RT   CONTINENTS
       EARTH CRUST
       EARTH SURFACE
       OCEAN BOTTOM

CRAWLER TRACTORS
  1102 1104
  GS   SURFACE VEHICLES
       .MOTOR VEHICLES
       ..TRACTORS
       ..#CRAWLER TRACTORS
  RT   ELECTRIC MOTOR VEHICLES
       GROUND SUPPORT EQUIPMENT
       HANDLING EQUIPMENT
       LUNAR SURFACE VEHICLES
       MANNED LUNAR SURFACE VEHICLES
       TRACKED VEHICLES
     % TRANSPORT VEHICLES
```

```
    % VEHICLES

CRAY COMPUTERS
  3502
  GS   DATA PROCESSING EQUIPMENT
       .COMPUTERS
       ..SUPERCOMPUTERS
       ..#CRAY COMPUTERS

CRAYONS
  3304
  RT % MARKERS
       TEMPERATURE MEASUREMENT

CRAZING
  USE  SURFACE CRACKS

CREATINE
  0403 0404
  GS   CRYSTALS
       #CREATINE
  RT   JUICES

CREATININE
  0403 0404
  RT   DISEASES
       URINE

CREATION
  USE  CREATIVITY

CREATIVITY
  3406
  UF   CREATION
  RT   ARTS
       EDUCATION
       MORALE

CREEP ANALYSIS
  1701 1704 3203 3204
  RT % ANALYZING
       STRESS ANALYSIS
       STRESS RELAXATION
       STRUCTURAL ANALYSIS

CREEP BUCKLING
  3203 3204
  GS   BUCKLING
       #CREEP BUCKLING

CREEP DIAGRAMS
  3203 3204
  GS   DIAGRAMS
       #CREEP DIAGRAMS
  RT   STRESS RELAXATION
       STRESS-STRAIN-TIME RELATIONS

CREEP PROPERTIES
  1704 2601 3203
  GS   MECHANICAL PROPERTIES
       #CREEP PROPERTIES
       ..SHEAR CREEP
       ..STEADY STATE CREEP
       ..TENSILE CREEP
  RT   ANELASTICITY
       DEFORMATION
       DIMENSIONAL STABILITY
       DUCTILITY
       FATIGUE (MATERIALS)
     % FLOW
       PLASTIC DEFORMATION
       PLASTIC FLOW
     % PROPERTIES
       RESIDUAL STRESS
       SHEAR FLOW
       SHEAR PROPERTIES
       STATIC DEFORMATION
       STRESS RELAXATION
       STRESSES
       STRUCTURAL FAILURE
       SUPERPLASTICITY
       TEMPERATURE INVERSIONS

CREEP RESISTANCE
  USE  CREEP STRENGTH

CREEP RUPTURE STRENGTH
  3408
  UF   STRESS RUPTURE STRENGTH
  GS   MECHANICAL PROPERTIES
       #CREEP RUPTURE STRENGTH
  RT   FRACTURE STRENGTH
       J INTEGRAL
     % STRENGTH

CREEP STRENGTH
  1701 1704 3203 3204 3408
  UF   CREEP RESISTANCE
  GS   MECHANICAL PROPERTIES
       #CREEP STRENGTH
  RT   LOAD CARRYING CAPACITY
     % RESISTANCE
     % STRENGTH

CREEP TESTS
  3203 3204
  RT   COMPRESSION TESTS
       FATIGUE TESTS
       LOAD TESTS
       PLASTIC DEFORMATION
       STATIC TESTS
     % TESTS

CREPE
  1805 1811
  GS   FABRICS
       #CREPE
  RT   COTTON FIBERS
       SILK

CRESOLS
  0403 1808
  GS   HYDROXYL COMPOUNDS
       .ALCOHOLS
       ..PHENOLS
       ..#CRESOLS

CRESTATRONS
  USE  TRAVELING WAVE TUBES

CRESTS
  USE  WAVES

CRETACEOUS PERIOD
  1306
  GS   MESOZOIC ERA
       #CRETACEOUS PERIOD
  RT   CRETACEOUS-TERTIARY BOUNDARY
       GEOCHRONOLOGY
       PALEONTOLOGY
       TERTIARY PERIOD

CRETACEOUS-TERTIARY BOUNDARY
  1306
  UF   K-T BOUNDARY
  RT   CENOZOIC ERA
       CRETACEOUS PERIOD
       EXTINCTION
       GEOCHRONOLOGY
       MESOZOIC ERA
       PALEOBIOLOGY
       PALEONTOLOGY
       TERTIARY PERIOD

CREVASSES
  1305 1306
  GS  #CREVASSES
       .GLACIERS
  RT   EARTH MOVEMENTS
       GEOLOGICAL FAULTS
       RECESSES
       SEAMOUNTS

CREVICES
  USE  CRACKS
```

```
CREW EXPERIMENT STATIONS
  3109 3110
  GS   STATIONS
       .CREW WORKSTATIONS
       .#CREW EXPERIMENT STATIONS
  RT   ASTRONAUTS
       COMPARTMENTS
       COSMONAUTS
       CREWS
       PERSONNEL
       SPACECRAFT CABINS
       SPACECREWS

CREW OBSERVATION STATIONS
  3109 3110
  GS   STATIONS
       .CREW WORKSTATIONS
       .#CREW OBSERVATION STATIONS
  RT   ASTRONAUTS
       COMPARTMENTS
       COSMONAUTS
       CREWS
       PERSONNEL
       SPACECRAFT CABINS
       SPACECREWS

CREW PROCEDURES (INFLIGHT)
  0102
  GS   FLIGHT OPERATIONS
       #CREW PROCEDURES (INFLIGHT)
       PROCEDURES
       #CREW PROCEDURES (INFLIGHT)
  RT   DISPLAY DEVICES
       FLIGHT CREWS
       IN-FLIGHT MONITORING
       SPACECREWS
       TASKS
     % TESTS

CREW PROCEDURES (PREFLIGHT)
  0102 3006
  GS   PROCEDURES
       #CREW PROCEDURES (PREFLIGHT)
  RT   COUNTDOWN
       DISPLAY DEVICES
       FLIGHT CREWS
       FLIGHT OPERATIONS
       GROUND HANDLING
       GROUND TESTS
       IN-FLIGHT MONITORING
       ONBOARD EQUIPMENT
       PREFLIGHT OPERATIONS
       PRELAUNCH TESTS
       SPACECRAFT CONTROL
       SPACECREWS
       TASKS
     % TESTS

CREW SIZE
  0502
  RT   FLIGHT CREWS

CREW STATIONS
  USE  CREW WORKSTATIONS

CREW WORKSTATIONS
  3109 3110
  UF   CREW STATIONS
  GS   STATIONS
       #CREW WORKSTATIONS
       ..CREW EXPERIMENT STATIONS
       ..CREW OBSERVATION STATIONS
  RT   ASTRONAUTS
       COMPARTMENTS
       COSMONAUTS
       CREWS
       HELMET MOUNTED DISPLAYS
       PERSONNEL
       SPACECRAFT CABINS
       SPACECREWS

CREWS
  0502 3406
  GS   PERSONNEL
       #CREWS
       ..FLIGHT CREWS
       ...SPACECREWS
  RT   ASTRONAUTS
       COSMONAUTS
       CREW EXPERIMENT STATIONS
       CREW OBSERVATION STATIONS
       CREW WORKSTATIONS
       FLIGHT NURSES
       PILOTS (PERSONNEL)

CRICKETS
  0402
  GS   ANIMALS
       .INVERTEBRATES
       ..ARTHROPODS
       ...INSECTS
       ...#CRICKETS

CRIME
  3403
  RT   AIR PIRACY
       LAW (JURISPRUDENCE)
       POLICE
       REGULATIONS
       SECURITY
       SOCIAL FACTORS
       SURVEILLANCE
       VIOLENCE

CRIMPING
  USE  FOLDING

CRITERIA
  3406
  GS   #CRITERIA
       .STRUCTURAL DESIGN CRITERIA
  RT   EVALUATION
       FIGURE OF MERIT
     % MEASURES
       STANDARDS

CRITICAL EXPERIMENTS
  2202 2405
  RT   EXPERIMENTATION
       NUCLEAR FISSION
       NUCLEAR REACTIONS

CRITICAL FLICKER FUSION
  0401 0408 0702 2308 2310
  UF   FLICKER FUSION FREQUENCY
  GS   PERCEPTION
       .SENSORY PERCEPTION
       ..VISUAL PERCEPTION
       ..#CRITICAL FLICKER FUSION
  RT   AFTERIMAGES
       FLICKER

CRITICAL FLOW
  1201 1202 1203 1204
  GS   FLUID FLOW
       #CRITICAL FLOW
  RT   FLOW CHARACTERISTICS
       GAS FLOW
       LAMINAR FLOW
       LIQUID FLOW
       MULTIPHASE FLOW
       ORIFICE FLOW
       PIPE FLOW
       PRESSURE GRADIENTS
       SINGLE-PHASE FLOW
       STEADY FLOW
       STEAM FLOW
       SUBCRITICAL FLOW
       SUPERCRITICAL FLOW
       TURBULENT FLOW
       UNSTEADY FLOW

CRITICAL FREQUENCIES
  0705 1302 2402 2901 2902 2903
```

```
  GS    FREQUENCIES
        #CRITICAL FREQUENCIES
  RT    LIGHT (VISIBLE RADIATION)
        RESONANT FREQUENCIES

CRITICAL LOADING
  3203 3303 3501
  SN    (LIMITED TO FORCE LOADS)
  UF    CRITICAL STRESS
  GS    LOADS (FORCES)
        #CRITICAL LOADING
        STRESSES
        #CRITICAL LOADING
  RT    AERODYNAMIC LOADS
        CRACK INITIATION
        DYNAMIC LOADS
        LOAD CARRYING CAPACITY
        PROPORTIONAL LIMIT
        SHALLOW SHELLS
        STATIC LOADS

CRITICAL MACH NUMBER
  USE   CRITICAL VELOCITY
        MACH NUMBER

CRITICAL MASS
  2202 2204 2405
  GS    MASS
        #CRITICAL MASS
  RT    NUCLEAR FISSION
        NUCLEAR FUEL BURNUP
        NUCLEAR REACTIONS
        PLASMA CORE REACTORS
        SUBCRITICAL MASS

CRITICAL PATH METHOD
  0802 3402 3406 4001
  GS    NETWORK ANALYSIS
        #CRITICAL PATH METHOD
  RT  % CONTROL
        DYNAMIC PROGRAMMING
        ESTIMATING
        GERT
        MANAGEMENT METHODS
      % METHODOLOGY
        MISSION PLANNING
        OPERATIONS RESEARCH
      % PATHS
        PERT
        PLANNING
        PROGRAM TREND LINE ANALYSIS
        PROGRAMMING (SCHEDULING)
        PROJECT MANAGEMENT
        RESEARCH
        SEQUENCING
        SNEAK CIRCUIT ANALYSIS
        SYSTEMS ENGINEERING

CRITICAL POINT
  1902 2311 3304
  GS    THERMODYNAMIC PROPERTIES
        .THERMOPHYSICAL PROPERTIES
        .#CRITICAL POINT
  RT    MAYER PROBLEM

CRITICAL PRESSURE
  2311 2808 3304
  GS    PRESSURE
        #CRITICAL PRESSURE
        THERMODYNAMIC PROPERTIES
        .THERMOPHYSICAL PROPERTIES
        .#CRITICAL PRESSURE
  RT    DEGENERATE MATTER
        HIGH PRESSURE
        LIQUID PHASES
        SUPERCRITICAL PRESSURES
        VAPOR PHASES

CRITICAL REYNOLDS NUMBER
  USE   REYNOLDS NUMBER

CRITICAL SPEED
  USE   CRITICAL VELOCITY

CRITICAL STRESS
  USE   CRITICAL LOADING

CRITICAL TEMPERATURE
  3304
  GS    TEMPERATURE
        #CRITICAL TEMPERATURE
        THERMODYNAMIC PROPERTIES
        .THERMOPHYSICAL PROPERTIES
        .#CRITICAL TEMPERATURE
  RT    CRYOGENIC TEMPERATURE
        HEAT TREATMENT
        HIGH TEMPERATURE SUPERCONDUCTORS
        METALLIC HYDROGEN
        NONCONDENSABLE GASES
        PHASE DIAGRAMS
        PHASE TRANSFORMATIONS

CRITICAL VELOCITY
  0101 0201 1202
  UF    CRITICAL MACH NUMBER
        CRITICAL SPEED
  GS    RATES (PER TIME)
        #CRITICAL VELOCITY
        VELOCITY
        #CRITICAL VELOCITY
  RT    EXHAUST VELOCITY
        RESONANT FREQUENCIES
        REYNOLDS NUMBER
        TIP SPEED

CROCCO METHOD
  1202
  RT    AXISYMMETRIC FLOW
        BOUNDARY LAYERS
        COMPRESSIBLE FLOW
        COMPRESSIBLE FLUIDS
        ENTROPY
        INVISCID FLOW
      % METHODOLOGY
        SHOCK WAVE PROPAGATION
        STEADY FLOW
        VORTICITY

CROCCO-LEE THEORY
  1202
  RT    BOUNDARY LAYER SEPARATION
        CONTINUITY EQUATION
        GAS FLOW
        INVISCID FLOW
        MASS FLOW
        MULTIPHASE FLOW
        REATTACHED FLOW
        SEPARATED FLOW
      % THEORIES

CROLOY
  2204
  GS    ALLOYS
        .IRON ALLOYS
        ..STEELS
        ..#CROLOY

CROP CALENDARS
  0409
  GS    CALENDARS
        #CROP CALENDARS
  RT  % CROPS
        FARM CROPS
        GROWTH
        SCHEDULING
        SEASONS

CROP DUSTING
  0409
  GS    SPRAYING
        #CROP DUSTING
  RT    AEROSOLS
        AGRICULTURAL AIRCRAFT
        AGRICULTURE
        DISPERSIONS
```

FARM CROPS
PESTICIDES
POWDER (PARTICLES)

CROP GROWTH
0409 0411 0412 0505
GS GROWTH
.VEGETATION GROWTH
.#CROP GROWTH
RT AGRICULTURE
ALFALFA
BARLEY
BLIGHT
CITRUS TREES
CORN
% CROPS
EARTH RESOURCES
FARM CROPS
FARMLANDS
GERMINATION
GRASSLANDS
LARGE AREA CROP INVENTORY
EXPERIMENT
OATS
ORCHARDS
PHOTOSYNTHESIS
PLANT DISEASES
PLANT STRESS
PLANTS (BOTANY)
SUGAR BEETS
SUGAR CANE
THERMAL RESOURCES
VINEYARDS
WHEAT

CROP IDENTIFICATION
0409 1401
GS IDENTIFYING
#CROP IDENTIFICATION
RT AGRICULTURE
% CROPS
EARTH RESOURCES
EVALUATION
FARMLANDS
GROUND TRUTH
IMAGING TECHNIQUES
LEAF AREA INDEX
MULTISPECTRAL PHOTOGRAPHY
PLANT DISEASES
RECOGNITION
REMOTE SENSORS
% SENSORS
SORGHUM
SPECTRAL SIGNATURES
SPOT (FRENCH SATELLITE)
SUNFLOWERS
TIMBER IDENTIFICATION
VEGETATIVE INDEX

CROP INVENTORIES
0409
GS INVENTORIES
#CROP INVENTORIES
RT AGRICULTURE
AGRISTARS PROJECT
FARM CROPS
FARMLANDS
LARGE AREA CROP INVENTORY
EXPERIMENT
LEAF AREA INDEX
REMOTE SENSORS
VEGETATIVE INDEX

CROP INVENTORIES BY REMOTE SENSING
USE AGRISTARS PROJECT

CROP VIGOR
0404 0409
RT AGRICULTURE
ALFALFA
BARLEY
BLIGHT
CITRUS TREES
FARM CROPS
FARMLANDS
IRRIGATION
OATS
ORCHARDS
PHOTOTROPISM
PLANT DISEASES
PLANT STRESS
PLANTS (BOTANY)
SUGAR BEETS
SUGAR CANE
THERMAL RESOURCES
VEGETATION GROWTH
VIABILITY
VINEYARDS
WHEAT

CROPLANDS
USE FARMLANDS

% CROPS
0409 0411 0412 0505
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT AGRICULTURE
ALFALFA
BARLEY
BIOMASS ENERGY PRODUCTION
CITRUS TREES
CORN
CROP CALENDARS
CROP GROWTH
CROP IDENTIFICATION
FARM CROPS
FARMLANDS
FROST DAMAGE
LARGE AREA CROP INVENTORY
EXPERIMENT
ORCHARDS
PLANTING
SORGHUM
SUNFLOWERS
TOMATOES
VINEYARDS
WHEAT

CROSS CORRELATION
1902 1905
GS CORRELATION
#CROSS CORRELATION
RT AUTOCORRELATION
DATA CORRELATION

CROSS COUPLING
0702 0902
GS COUPLING
#CROSS COUPLING
RT COMMUNICATION THEORY
COUPLES
COUPLING CIRCUITS
MICROWAVE COUPLING
OPTICAL COUPLING
RADIO FREQUENCY INTERFERENCE

CROSS FAULTS
USE GEOLOGICAL FAULTS

CROSS FLOW
0101
GS FLUID FLOW
#CROSS FLOW
RT AERODYNAMIC CHARACTERISTICS
% FLOW
FLOW CHARACTERISTICS
FLOW GEOMETRY
FLUID DYNAMICS
SPANWISE BLOWING
WATER TUNNEL TESTS

CROSS POLARIZATION
1406

```
  GS   POLARIZATION (WAVES)
       #CROSS POLARIZATION
  RT   OPTICAL COUPLING
       OPTICAL PROPERTIES
       POLARIZED ELECTROMAGNETIC RADIATION
       POLARONS
       ROTATION

CROSS RELAXATION
  1601 2310 2401 3407
  RT   MASERS
     % RELAXATION
       RUTILE
       SPIN-SPIN COUPLING

% CROSS SECTIONS
  0101 1202 1308 2202 2401 2405 3203
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   ABSORPTION CROSS SECTIONS
       AIRFOIL PROFILES
       AREA
       ATOMIC COLLISIONS
       COLLISION PARAMETERS
       DISTRIBUTION (PROPERTY)
       DRAWINGS
       GEOMETRY
       GRADIENTS
       IONIZATION CROSS SECTIONS
       MEAN FREE PATH
       NEUTRON CROSS SECTIONS
       PLANFORMS
       RADAR CROSS SECTIONS
       SCATTERING CROSS SECTIONS
       SHAPES
       STOPPING POWER
       SURVEYS
       TWO DIMENSIONAL BODIES

CROSSBEDDING (GEOLOGY)
  1306
  GS   GEOLOGY
       #CROSSBEDDING (GEOLOGY)
  RT   LANDFORMS
       ROCKS
       STRATA
       STRATIFICATION
       STRATIGRAPHY

CROSSED FIELD AMPLIFIERS
  0905 1002
  GS   AMPLIFIERS
       .MICROWAVE AMPLIFIERS
       .#CROSSED FIELD AMPLIFIERS
       MICROWAVE EQUIPMENT
       .MICROWAVE AMPLIFIERS
       .#CROSSED FIELD AMPLIFIERS
  RT   ELECTRON TUBES
       MAGNETRONS
       TRAVELING WAVE TUBES

CROSSED FIELD GUNS
  0905 1002
  RT   ELECTRON GUNS
     % GUNS
       PLASMA CONTROL
       PLASMA GUNS
       PLASMA JETS

CROSSED FIELDS
  1002 2304 2307
  RT   ELECTRIC FIELDS
       FIELD THEORY (PHYSICS)
       MAGNETIC FIELDS
       MAGNETRONS
       PLASMA CONTROL
       WAVEGUIDES

CROSSINGS
  3407
  GS  #CROSSINGS
       .CHIASMS
  RT   BRIDGES (STRUCTURES)
       CROSSOVERS
       INTERSECTIONS
       PIPELINES
       RAMPS (STRUCTURES)

CROSSLINKING
  0404 0602 1810
  GS  #CROSSLINKING
       .VULCANIZING
  RT   ADDITION RESINS
       COUPLED MODES
       CURING
     % JOINING
       PHENOLIC EPOXY RESINS

CROSSOVERS
  0404
  RT   BRIDGES (STRUCTURES)
       CROSSINGS
       INTERSECTIONS

CROSSTALK
  0702 0705
  GS   ELECTROMAGNETIC INTERFERENCE
       #CROSSTALK
       ..IONOSPHERIC CROSS MODULATION
  RT   COMMUNICATING
       ELECTROMAGNETIC COMPATIBILITY
     % INTERFERENCE
       TELEPHONY
       WAVE DIFFRACTION

CROWDING
  3407
  RT % CONCENTRATION
     % SATURATION

CRRES (SATELLITE)
  3107 3110
  UF   COMBINED RELEASE AND RADIATION
       EFFECTS SAT
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       .#CRRES (SATELLITE)
  RT   CHEMICAL CLOUDS
       CHEMICAL RELEASE MODULES
       EARTH IONOSPHERE
       EARTH MAGNETOSPHERE
       EXTRATERRESTRIAL RADIATION
       ORBITAL SPACE TESTS
       RADIATION EFFECTS
       SPACE PLASMAS
       SPACEBORNE EXPERIMENTS

CRUCIBLES
  0602 1502 1704
  RT % CONTAINERS
       HEATING EQUIPMENT

CRUCIFORM WINGS
  0104
  GS   AIRFOILS
       .WINGS
       .#CRUCIFORM WINGS
  RT   FIXED WINGS
       LOW ASPECT RATIO WINGS

CRUDE OIL
  1503 1808
  UF   PETROLEUM
  GS   OILS
       #CRUDE OIL
       RESOURCES
       .EARTH RESOURCES
       ..FOSSIL FUELS
       ..#CRUDE OIL
  RT   CARBONACEOUS MATERIALS
       DEPOSITS
       ENERGY POLICY
       FUEL PRODUCTION
       OFFSHORE ENERGY SOURCES
```

OIL EXPLORATION
OIL FIELDS
PETROLEUM PRODUCTS
RESERVES
UNDERWATER RESOURCES
WAXES

CRUISE MISSILES
3101 3106 3401
GS MISSILES
.SURFACE TO SURFACE MISSILES
.#CRUISE MISSILES
...NAVAHO MISSILE
...TOMAHAWK MISSILES
RT ANTISHIP MISSILES

CRUISING FLIGHT
0201 2102 3407
RT COASTING FLIGHT
% FLIGHT
HORIZONTAL FLIGHT

CRUSADER AIRCRAFT
USE F-8 AIRCRAFT

CRUSHERS
1504
RT COMMINUTION
CRUSHING
DISINTEGRATION
GRINDING MILLS
IMPACTORS

CRUSHING
1504
GS COMMINUTION
#CRUSHING
RT CRUSHERS
DISINTEGRATION
GRINDING (COMMINUTION)

CRUSTAL DYNAMICS
USE EARTH CRUST
GEODYNAMICS

CRUSTAL FRACTURES
1308
GS FRACTURING
#CRUSTAL FRACTURES
RT EARTH CRUST
EARTH MOVEMENTS
EARTH SURFACE
EARTHQUAKE RESISTANCE
EARTHQUAKES
GEODYNAMICS
GEOLOGICAL FAULTS
MICROSEISMS
P WAVES
S WAVES
SAN ANDREAS FAULT
SEISMIC WAVES
SEISMOLOGY
SHATTER CONES
SHOCK LOADS
SHOCK WAVES
SOIL MECHANICS
SURFACE WAVES

CRUSTS
1306 1308 3009
GS #CRUSTS
.LUNAR CRUST
.PLANETARY CRUSTS
..EARTH CRUST
RT LUNAR MANTLE
PLANETARY MANTLES

CRYOCHEMISTRY
0603
GS PHYSICAL CHEMISTRY
#CRYOCHEMISTRY
RT % CHEMISTRY
CRYOGENIC EQUIPMENT
CRYOGENICS
LOW TEMPERATURE PHYSICS

CRYOCYCLE PRINCIPLE
2303
RT CRYOPUMPING
SPACECRAFT POWER SUPPLIES

CRYODEPOSITS
2303
GS DEPOSITS
#CRYODEPOSITS
RT COATINGS
% CRYOGENIC STORAGE
CRYOGENICS

CRYOGENIC COMPUTER STORAGE
0801 2303
GS COMPUTER STORAGE DEVICES
#CRYOGENIC COMPUTER STORAGE
RT % CRYOGENIC STORAGE
CRYOTRONS
% EQUIPMENT
SUPERCONDUCTORS

CRYOGENIC COOLING
1202
GS COOLING
.SUPERCOOLING
.#CRYOGENIC COOLING
RT COOLERS
CRYOGENICS
FREEZING
HEAT TRANSFER
REFRIGERATING

CRYOGENIC EQUIPMENT
1502 2303 3303 3404
UF DEWAR SYSTEMS
RT CRYOCHEMISTRY
CRYOGENICS
% EQUIPMENT
GRAVITATIONAL WAVE ANTENNAS
REFRIGERATING
REFRIGERATING MACHINERY
SOLID CRYOGENS

CRYOGENIC FLUID STORAGE
1103 2303
RT COLD SURFACES
% CRYOGENIC STORAGE
EVAPORATIVE COOLING
FLUID MANAGEMENT
FUEL TANKS
MULTILAYER INSULATION
SPACE STORAGE
% STORAGE
STORAGE TANKS
THERMAL INSULATION

CRYOGENIC FLUIDS
1202 1203 2303
GS LIQUIDS
#CRYOGENIC FLUIDS
..FERMI LIQUIDS
..FLOX
..LIQUID HELIUM
...LIQUID HELIUM 2
..LIQUID HYDROGEN
..LIQUID NITROGEN
..LIQUID OXYGEN
RT CRYOGENIC TEMPERATURE
CRYOGENICS
CRYOPUMPING
FLUID MANAGEMENT
% FLUIDS
ROCKET OXIDIZERS
SOLID CRYOGEN COOLING
SOLIDIFIED GASES

CRYOGENIC GYROSCOPES
1403 2303

```
  GS    GYROSCOPES
        #CRYOGENIC GYROSCOPES
  RT    HIGH TEMPERATURE SUPERCONDUCTORS

CRYOGENIC MAGNETS
  2303 2307
  GS    MAGNETS
        #CRYOGENIC MAGNETS
  RT    HIGH TEMPERATURE SUPERCONDUCTORS
        SUPERCONDUCTING MAGNETS

CRYOGENIC ROCKET PROPELLANTS
  2303 2702 2804 2809 3302
  GS    PROPELLANTS
        .ROCKET PROPELLANTS
        ..LIQUID ROCKET PROPELLANTS
        ..#CRYOGENIC ROCKET PROPELLANTS
  RT    CRYOGENICS
        ENDOTHERMIC FUELS
        FLUID MANAGEMENT
        GASEOUS ROCKET PROPELLANTS
        GELLED ROCKET PROPELLANTS
        HIGH ENERGY FUELS
        HIGH ENERGY PROPELLANTS
        HYBRID PROPELLANTS
        HYDROGEN FUELS
        HYPERGOLIC ROCKET PROPELLANTS
        LIQUEFIED GASES
        LIQUID HYDROGEN
        LIQUID OXYGEN
        RL-10 ENGINES
        SLUSH
        SPACE STORAGE
        STORABLE PROPELLANTS

% CRYOGENIC STORAGE
  1103 2303 3305
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    CRYODEPOSITS
        CRYOGENIC COMPUTER STORAGE
        CRYOGENIC FLUID STORAGE

CRYOGENIC TEMPERATURE
  1202
  UF    ULTRALOW TEMPERATURE
  GS    TEMPERATURE
        .LOW TEMPERATURE
        .#CRYOGENIC TEMPERATURE
  RT    ABSOLUTE ZERO
        COLD TRAPS
        CRITICAL TEMPERATURE
        CRYOGENIC FLUIDS
        CRYOGENICS
        CURIE TEMPERATURE
        SOLIDIFIED GASES
        SPACE TEMPERATURE

CRYOGENIC WIND TUNNELS
  1110
  GS    TEST FACILITIES
        .WIND TUNNELS
        .#CRYOGENIC WIND TUNNELS
  RT    FLIGHT SIMULATORS
        TEST CHAMBERS

CRYOGENICS
  2303
  RT    ABSOLUTE ZERO
        COLD TRAPS
        COOLING
        CRYOCHEMISTRY
        CRYODEPOSITS
        CRYOGENIC COOLING
        CRYOGENIC EQUIPMENT
        CRYOGENIC FLUIDS
        CRYOGENIC ROCKET PROPELLANTS
        CRYOGENIC TEMPERATURE
        CRYOPUMPING
        CRYOSAR
        CRYOSTATS
        CRYOTRONS
        FERMI LIQUIDS
        HIGH TEMPERATURE SUPERCONDUCTORS
        JOULE-THOMSON EFFECT
        LIQUEFIED GASES
        LOW TEMPERATURE
        LOW TEMPERATURE PHYSICS
        REFRIGERATING
        SOLID CRYOGEN COOLING
        SOLID CRYOGENS
        SOLID NITROGEN
        SOLIDIFIED GASES
        SUPERCONDUCTING POWER TRANSMISSION
        SUPERCONDUCTIVITY
        THERMOELECTRIC COOLING
        THERMOMAGNETIC COOLING

CRYOLITE
  1806 2601
  GS    ALUMINUM COMPOUNDS
        #CRYOLITE
        HALOGEN COMPOUNDS
        .FLUORINE COMPOUNDS
        ..FLUORIDES
        ..#CRYOLITE
        ..FLUORO COMPOUNDS
        ..#CRYOLITE
        MINERALS
        #CRYOLITE
        SODIUM COMPOUNDS
        #CRYOLITE
  RT    ALUMINUM

CRYOPUMPING
  0602 1501 2303
  RT    CRYOCYCLE PRINCIPLE
        CRYOGENIC FLUIDS
        CRYOGENICS
      % PUMPING
        VACUUM PUMPS

CRYOSAR
  0905 0906
  GS    ELECTRONIC EQUIPMENT
        .SOLID STATE DEVICES
        ..SEMICONDUCTOR DEVICES
        ...AVALANCHE DIODES
        ...#CRYOSAR
        RECTIFIERS
        .AVALANCHE DIODES
        .#CRYOSAR
  RT    BARRITT DIODES
        COMPUTER STORAGE DEVICES
        CRYOGENICS

CRYOSORPTION
  USE   SORPTION

CRYOSTATS
  1408 2303 3303
  GS    CONTROL EQUIPMENT
        #CRYOSTATS
  RT    CONTROLLERS
        CRYOGENICS
        ELECTRIC SWITCHES
        HIGH TEMPERATURE TESTS
        LIQUID HELIUM
        LIQUID HELIUM 2
        LOW TEMPERATURE TESTS
        REGULATORS
        TEMPERATURE CONTROL
        THERMOSTATS

CRYOTRAPPING
  0602 2303
  GS    TRAPPING
        #CRYOTRAPPING
  RT    COLD TRAPS

CRYOTRONS
  0801 0902 0905 2303 2604
  GS    ELECTRONIC EQUIPMENT
        .SOLID STATE DEVICES
```

.#CRYOTRONS
SWITCHES
.ELECTRIC SWITCHES
.#CRYOTRONS
RT CRYOGENIC COMPUTER STORAGE
CRYOGENICS
SUPERCONDUCTIVITY
SUPERCONDUCTORS

CRYPTOGRAPHY
0503
RT % CODES
CODING
COMPUTER INFORMATION SECURITY
DECODING
INFORMATION THEORY
MESSAGE PROCESSING

CRYSTAL DEFECTS
1704 2601
UF LATTICE IMPERFECTIONS
STACKING FAULTS
GS DEFECTS
#CRYSTAL DEFECTS
..CRYSTAL DISLOCATIONS
...EDGE DISLOCATIONS
...SCREW DISLOCATIONS
..POINT DEFECTS
...VACANCIES (CRYSTAL DEFECTS)
....FRENKEL DEFECTS
RT CRYSTALLOGRAPHY
HOLES (ELECTRON DEFICIENCIES)
IMPURITIES
INTERSTITIALS
LATTICE VIBRATIONS
MECHANICAL TWINNING
ORDER-DISORDER TRANSFORMATIONS
PINNING
POLYGONIZATION
STACKING FAULT ENERGY
STACKS
SURFACE DEFECTS
TRAPPING
TWINNING

CRYSTAL DISLOCATIONS
1704 2601
GS DEFECTS
.CRYSTAL DEFECTS
.#CRYSTAL DISLOCATIONS
...EDGE DISLOCATIONS
...SCREW DISLOCATIONS
DISLOCATIONS (MATERIALS)
#CRYSTAL DISLOCATIONS
..EDGE DISLOCATIONS
..SCREW DISLOCATIONS
RT FATIGUE (MATERIALS)
GRAIN BOUNDARIES
PINNING
POINT DEFECTS
SUPERLATTICES
SUPERPLASTICITY
SURFACE DEFECTS

CRYSTAL FIELD SPLITTING
USE CRYSTAL FIELD THEORY

CRYSTAL FIELD THEORY
1902 2306 2402 2403 3009
UF CRYSTAL FIELD SPLITTING
CRYSTAL FIELDS
GS FIELD THEORY (PHYSICS)
#CRYSTAL FIELD THEORY
RT CRYSTAL LATTICES
ELECTRIC FIELDS
METAL IONS

CRYSTAL FIELDS
USE CRYSTAL FIELD THEORY

CRYSTAL FILTERS
0705 0906 2301 2306 2402 2601
GS ELECTROMAGNETIC WAVE FILTERS
.BANDPASS FILTERS
.#CRYSTAL FILTERS
.ELECTRIC FILTERS
.#CRYSTAL FILTERS
RT BANDSTOP FILTERS
% FILTERS
INTERMEDIATE FREQUENCY AMPLIFIERS
RADIO EQUIPMENT
RADIO FILTERS

CRYSTAL GROWTH
0602 2601 2603
GS GROWTH
#CRYSTAL GROWTH
..CZOCHRALSKI METHOD
..DIRECTIONAL SOLIDIFICATION
(CRYSTALS)
..EPITAXY
...ELECTROEPITAXY
...LIQUID PHASE EPITAXY
...MOLECULAR BEAM EPITAXY
...VAPOR PHASE EPITAXY
..HYDROTHERMAL CRYSTAL GROWTH
..PROTEIN CRYSTAL GROWTH
..TRAVELING SOLVENT METHOD
..VERNEUIL PROCESS
RT AITKEN NUCLEI
BRAVAIS CRYSTALS
BRIDGMAN METHOD
CONTAINERLESS MELTS
CRYSTALLIZATION
CRYSTALLOGRAPHY
CRYSTALS
DOPED CRYSTALS
FLOAT ZONES
INOCULATION
LASER DEPOSITION
MECHANICAL TWINNING
MELTS (CRYSTAL GROWTH)
METALORGANIC CHEMICAL VAPOR
DEPOSITION
% MICROGRAVITY APPLICATIONS
NUCLEATION
POLYGONIZATION
PULSED LASER DEPOSITION
RAPID QUENCHING (METALLURGY)
SPACE PROCESSING
TWINNING
VAPOR DEPOSITION

CRYSTAL LATTICES
2601
GS #CRYSTAL LATTICES
.CLOSE PACKED LATTICES
.CUBIC LATTICES
..BODY CENTERED CUBIC LATTICES
..FACE CENTERED CUBIC LATTICES
.SUPERLATTICES
RT ATOMIC STRUCTURE
BRAVAIS CRYSTALS
BRILLOUIN ZONES
CHEMICAL BONDS
CRYSTAL FIELD THEORY
CRYSTALLOGRAPHY
CRYSTALS
EPITAXY
GEOMETRY
GRAPHOEPITAXY
HEXAGONAL CELLS
IONIC CRYSTALS
ISING MODEL
ISOMORPHISM
KOSSEL PATTERN
LATTICE PARAMETERS
LATTICE VIBRATIONS
% LATTICES
LAUE METHOD
METAL CRYSTALS
METALLOGRAPHY
MOLECULAR CHAINS
MOLECULAR STRUCTURE
MOSSBAUER EFFECT

ORDER-DISORDER TRANSFORMATIONS
PARTICLE IN CELL TECHNIQUE
PATTERSON MAP
POLYMORPHISM
RAPID QUENCHING (METALLURGY)
SINGLE CRYSTALS
SYNTHETIC METALS
ULTRAPURE METALS

CRYSTAL OPTICS
1411 1601 2306 2310 2601
RT ABERRATION
ACOUSTO-OPTICS
BRAGG CELLS
DIFFRACTION
DOPED CRYSTALS
FIBER OPTICS
GEOMETRICAL OPTICS
% OPTICS
PHASE MATCHING
PHYSICAL OPTICS

CRYSTAL OSCILLATORS
0903 2601
GS CRYSTALS
#CRYSTAL OSCILLATORS
..PIEZOELECTRIC CRYSTALS
OSCILLATORS
#CRYSTAL OSCILLATORS
..PIEZOELECTRIC CRYSTALS
RT ELECTRICAL PROPERTIES
FREQUENCY CONTROL
FREQUENCY STABILITY
OSCILLATIONS
PIEZOELECTRICITY

CRYSTAL RECTIFIERS
2601
UF SILICON RECTIFIERS
GS ELECTRONIC EQUIPMENT
.DIODES
.#CRYSTAL RECTIFIERS
.SOLID STATE DEVICES
.#CRYSTAL RECTIFIERS
RECTIFIERS
#CRYSTAL RECTIFIERS
RT CURRENT CONVERTERS (AC TO DC)
SEMICONDUCTOR DEVICES

CRYSTAL STRUCTURE
1704 2601 2603
SN (AGGLOMERATIONS OF CRYSTALS--
EXCLUDES CRYSTAL LATTICES)
GS #CRYSTAL STRUCTURE
.WIDMANSTATTEN STRUCTURE
RT ABRIKOSOV THEORY
ALLOTROPY
ANISOTROPY
BRAVAIS CRYSTALS
CLATHRATES
CRYSTALLINITY
CRYSTALLITES
CRYSTALS
DOPED CRYSTALS
EPITAXY
GRAPHOEPITAXY
INTERSTITIALS
ISOMORPHISM
ISOTROPY
LIQUID PHASE EPITAXY
MECHANICAL TWINNING
METAL CRYSTALS
MICROSTRUCTURE
MOLECULAR DYNAMICS
ORDER-DISORDER TRANSFORMATIONS
PACKING DENSITY
PATTERSON MAP
PHONONS
POLYCRYSTALS
POLYMORPHISM
RAPID QUENCHING (METALLURGY)
SPHERULITES
% STRUCTURES
SUPERLATTICES
TWINNING
VAPOR PHASE EPITAXY

CRYSTAL SURFACES
0603 2601
GS SOLID SURFACES
#CRYSTAL SURFACES
RT ATOMIC FORCE MICROSCOPY
METAL SURFACES
SURFACE LAYERS
% SURFACES

CRYSTALLINITY
0603 1704 2601 3408
RT AMORPHOUS MATERIALS
CRYSTAL STRUCTURE

CRYSTALLITES
1806 2601
GS CRYSTALS
#CRYSTALLITES
..SPHERULITES
RT CRYSTAL STRUCTURE
MICROCRYSTALS
MINERALS
ROSETTE SHAPES

CRYSTALLIZATION
0602 2601
UF DEVITRIFICATION
GS #CRYSTALLIZATION
.DIRECTIONAL SOLIDIFICATION
(CRYSTALS)
.MELT SPINNING
.RECRYSTALLIZATION
RT AGGLOMERATION
CONCENTRATING
CONTAINERLESS MELTS
CRYSTAL GROWTH
DEMINERALIZING
FREEZING
INOCULATION
LIQUIDUS
MATERIALS RECOVERY
MELTS (CRYSTAL GROWTH)
MODULATION
NUCLEATION
PHASE STABILITY (MATERIALS)
PHASE TRANSFORMATIONS
PRECIPITATION (CHEMISTRY)
PURIFICATION
REFINING
% SEPARATION
SETTLING
SOLID STATE
SOLIDIFICATION
SUBLIMATION
SUPERCOOLING
SUPERSATURATION
ZONE MELTING

CRYSTALLOGRAPHY
2601 2603
RT BRAGG ANGLE
CRYSTAL DEFECTS
CRYSTAL GROWTH
CRYSTAL LATTICES
CRYSTALS
DEBYE-SCHERRER METHOD
DIRECTIVITY
ISOTROPY
LAMELLA (METALLURGY)
LATTICE PARAMETERS
LAUE METHOD
METALLOGRAPHY
% METALLURGY
MICROBEAMS
MICROSTRUCTURE
MINERALOGY
NEUTRON DIFFRACTION
ORDER-DISORDER TRANSFORMATIONS

```
    % ORIENTATION
      RADIOGRAPHY
    % SOLID STATE PHYSICS
      X RAY ANALYSIS
      X RAY DIFFRACTION

CRYSTALS
  1704 2601 2603
  GS  #CRYSTALS
      .BICRYSTALS
      .BOULES
      .BRAVAIS CRYSTALS
      .CREATINE
      .CRYSTAL OSCILLATORS
      ..PIEZOELECTRIC CRYSTALS
      .CRYSTALLITES
      ..SPHERULITES
      .DENDRITIC CRYSTALS
      .DOPED CRYSTALS
      .IONIC CRYSTALS
      .LIQUID CRYSTALS
      .METAL CRYSTALS
      .MICROCRYSTALS
      .MIXED CRYSTALS
      .POLYCRYSTALS
      .QUARTZ CRYSTALS
      .SINGLE CRYSTALS
      .WHISKERS (CRYSTALS)
  RT  ANISOTROPY
      BODY CENTERED CUBIC LATTICES
      CLATHRATES
      CONTAINERLESS MELTS
      CRYSTAL GROWTH
      CRYSTAL LATTICES
      CRYSTAL STRUCTURE
      CRYSTALLOGRAPHY
      ELECTROEPITAXY
      FACE CENTERED CUBIC LATTICES
    % GRAINS
      ISOTROPY
      PACKING DENSITY
      PHASE MATCHING
      RUBY
      SPHERULES

CSM
  USE  COMMAND SERVICE MODULES

CT-114 AIRCRAFT
  USE  CL-41 AIRCRAFT

CTD
  USE  CHARGE TRANSFER DEVICES

CUBA
  1305
  GS  LANDFORMS
      .ISLANDS
      ..WEST INDIES
      ..#CUBA
      NATIONS
      #CUBA
  RT  CARIBBEAN REGION
      CARIBBEAN SEA

CUBANE
  1808
  GS  ORGANIC COMPOUNDS
      .HYDROCARBONS
      .#CUBANE

CUBES (MATHEMATICS)
  1902
  GS  GEOMETRY
      .EUCLIDEAN GEOMETRY
      ..POLYHEDRONS
      ..#CUBES (MATHEMATICS)
  RT  BLOCKS

CUBIC EQUATIONS
  1902
  GS  ALGEBRA
      .NONLINEAR EQUATIONS
      .#CUBIC EQUATIONS
      ANALYSIS (MATHEMATICS)
      .REAL VARIABLES
      ..NONLINEAR EQUATIONS
      ..#CUBIC EQUATIONS
      FIELD THEORY (ALGEBRA)
      #CUBIC EQUATIONS
  RT % EQUATIONS
      POLYNOMIALS

CUBIC LATTICES
  2601
  GS  CRYSTAL LATTICES
      #CUBIC LATTICES
      ..BODY CENTERED CUBIC LATTICES
      ..FACE CENTERED CUBIC LATTICES

CUES
  0408 0502 1409
  RT  AUDITORY SIGNALS
      VISUAL SIGNALS

CUESTAS
  USE  RIDGES

CUFFS
  0508
  RT  CLOTHING
      SEALS (STOPPERS)

CULTIVATION
  0409
  GS  #CULTIVATION
      .PLOWING
  RT  AMMONIA
      AMMONIUM NITRATES
      ASHES
      CULTURE TECHNIQUES
      FERTILIZERS
      PLANTING
      SILVICULTURE
      SOILS
      TISSUES (BIOLOGY)

CULTURAL RESOURCES
  3402
  RT  ARCHAEOLOGY
      HUMAN BEINGS

CULTURE (SOCIAL SCIENCES)
  0408 0410 3402 3403
  RT  AMERICAN INDIANS
      ANTHROPOLOGY
      ARTIFACTS
      ESKIMOS
      ETHNIC FACTORS
      GOVERNMENTS
      MINORITIES
      POLITICS
      RACE FACTORS
      RACES (ANTHROPOLOGY)
      REGIMES
      SOCIAL FACTORS
      SOCIOLOGY

CULTURE TECHNIQUES
  0404 0405
  RT  CHLORELLA
      CULTIVATION
      MICROBIOLOGY

CUMULATIVE DAMAGE
  1505
  GS  DAMAGE
      #CUMULATIVE DAMAGE
  RT  COMPONENT RELIABILITY
      DEFECTS
      DEGRADATION
      DURABILITY
      FAILURE
      OPERATIONAL HAZARDS
      RELIABILITY
```

```
      STRUCTURAL RELIABILITY
      WEAR TESTS

CUMULONIMBUS CLOUDS
  1308 2001 2003
  GS   CLOUDS (METEOROLOGY)
       .CONVECTION CLOUDS
       .#CUMULONIMBUS CLOUDS
       ...ANVIL CLOUDS
  RT   CUMULUS CLOUDS
       NIMBOSTRATUS CLOUDS
       PRECIPITATION (METEOROLOGY)
       THUNDERSTORMS
       TORNADOES

CUMULUS CLOUDS
  1308 2001 2003
  GS   CLOUDS (METEOROLOGY)
       .CONVECTION CLOUDS
       .#CUMULUS CLOUDS
       ...ANVIL CLOUDS
  RT   CUMULONIMBUS CLOUDS
       STRATOCUMULUS CLOUDS

% CUPOLAS
  3203
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   DOMES (STRUCTURAL FORMS)
       FURNACES
       GUN TURRETS

CURARE
  0403 0409 0412
  GS   POISONS
       #CURARE
  RT   ALKALOIDS
       ANTICHOLINERGICS
     % POISONING
       TOXICOLOGY

CURES
  0403 0405
  RT   DISEASES
       DRUGS
       FIRST AID
       HEALING
       THERAPY

CURIE TEMPERATURE
  2304 2305 2307
  GS   MAGNETIC PROPERTIES
       #CURIE TEMPERATURE
       TEMPERATURE
       #CURIE TEMPERATURE
  RT   CRYOGENIC TEMPERATURE
       DIAMAGNETISM
       ELECTRETS
       FERROELECTRICITY
       FERROMAGNETISM

CURIE-WEISS LAW
  2305 2307
  RT   FERROMAGNETISM
       MAGNETIC PERMEABILITY
       MAGNETIC PROPERTIES
       PARAMAGNETISM

CURING
  1704 1809 1810
  RT   ALFALFA
       AUTOCLAVING
       CITRUS TREES
       CORN
       CROSSLINKING
       DEGRADATION
       DRYING
       FARM CROPS
       GLASS TRANSITION TEMPERATURE
       OATS
       ORCHARDS
       PRESERVING
       RESIN TRANSFER MOLDING
     % SETTING
       VULCANIZING
       WEATHERING

CURIUM
  0603 1703 2406
  GS   CHEMICAL ELEMENTS
       .ACTINIDE SERIES
       ..TRANSURANIUM ELEMENTS
       ..#CURIUM
       ....CURIUM ISOTOPES
       .....CURIUM 242
       .....CURIUM 244
       .NUCLIDES
       ..ISOTOPES
       ...RADIOACTIVE ISOTOPES
       ....TRANSURANIUM ELEMENTS
       ....#CURIUM
       .....CURIUM ISOTOPES
       ......CURIUM 242
       ......CURIUM 244
       METALS
       .ACTINIDE SERIES
       ..TRANSURANIUM ELEMENTS
       ..#CURIUM
       ....CURIUM ISOTOPES
       .....CURIUM 242
       .....CURIUM 244

CURIUM COMPOUNDS
  0603 1804
  GS   ACTINIDE SERIES COMPOUNDS
       #CURIUM COMPOUNDS
  RT % CHEMICAL COMPOUNDS
     % GROUP 3B COMPOUNDS

CURIUM ISOTOPES
  2406
  GS   CHEMICAL ELEMENTS
       .ACTINIDE SERIES
       ..TRANSURANIUM ELEMENTS
       ...CURIUM
       ...#CURIUM ISOTOPES
       .....CURIUM 242
       .....CURIUM 244
       .NUCLIDES
       ..ISOTOPES
       ...RADIOACTIVE ISOTOPES
       ....TRANSURANIUM ELEMENTS
       .....CURIUM
       .....#CURIUM ISOTOPES
       .......CURIUM 242
       .......CURIUM 244
       METALS
       .ACTINIDE SERIES
       ..TRANSURANIUM ELEMENTS
       ...CURIUM
       ...#CURIUM ISOTOPES
       .....CURIUM 242
       .....CURIUM 244

CURIUM 242
  0603 1703 2406
  GS   CHEMICAL ELEMENTS
       .ACTINIDE SERIES
       ..TRANSURANIUM ELEMENTS
       ...CURIUM
       ....CURIUM ISOTOPES
       ....#CURIUM 242
       .NUCLIDES
       ..ISOTOPES
       ...RADIOACTIVE ISOTOPES
       ....TRANSURANIUM ELEMENTS
       .....CURIUM
       .....CURIUM ISOTOPES
       .....#CURIUM 242
       METALS
       .ACTINIDE SERIES
       ..TRANSURANIUM ELEMENTS
       ...CURIUM
       ....CURIUM ISOTOPES
```

....#CURIUM 242

CURIUM 244
0603 1703 2406
GS CHEMICAL ELEMENTS
.ACTINIDE SERIES
..TRANSURANIUM ELEMENTS
...CURIUM
....CURIUM ISOTOPES
....#CURIUM 244
.NUCLIDES
..ISOTOPES
...RADIOACTIVE ISOTOPES
....TRANSURANIUM ELEMENTS
.....CURIUM
.....CURIUM ISOTOPES
.....#CURIUM 244
METALS
.ACTINIDE SERIES
..TRANSURANIUM ELEMENTS
...CURIUM
....CURIUM ISOTOPES
....#CURIUM 244

CURL (MATERIALS)
3203
RT DIMENSIONAL STABILITY
FOLDING
% MATERIALS
TEXTURES

CURL (VECTORS)
1902
GS ANALYSIS (MATHEMATICS)
.CALCULUS
..VECTOR ANALYSIS
..#CURL (VECTORS)
....VORTICITY
.REAL VARIABLES
..VECTOR ANALYSIS
..#CURL (VECTORS)
....VORTICITY
GEOMETRY
.VECTOR ANALYSIS
.#CURL (VECTORS)
...VORTICITY

CURRENT ALGEBRA
1902
GS ALGEBRA
#CURRENT ALGEBRA
RT % MATHEMATICS
NUCLEAR PHYSICS
VECTOR CURRENTS

CURRENT AMPLIFIERS
0902 0904 0905 1002
GS AMPLIFIERS
#CURRENT AMPLIFIERS
..PHOTOMULTIPLIER TUBES
...FREQUENCY MODULATION
PHOTOMULTIPLIERS
RT TRANSISTOR AMPLIFIERS
VOLTAGE AMPLIFIERS

CURRENT CONVERTERS (AC TO DC)
0903 0904 0905
RT ALTERNATING CURRENT
% CONVERTERS
CRYSTAL RECTIFIERS
DIRECT CURRENT
ELECTRIC CURRENT
INVERTED CONVERTERS (DC TO AC)
RECTIFIERS
SILICON CONTROLLED RECTIFIERS
THYRATRONS

CURRENT DENSITY
1001 1002 2304
GS RATES (PER TIME)
.FLUX DENSITY
.#CURRENT DENSITY
RT ELECTRIC CURRENT
ELECTROLYSIS
ELECTROPLATING
PINNING

CURRENT DISTRIBUTION
1002 2304
GS DISTRIBUTION (PROPERTY)
#CURRENT DISTRIBUTION
RT CHARGE DISTRIBUTION
ELECTRON DISTRIBUTION
% HOLE DISTRIBUTION
HOLE DISTRIBUTION (ELECTRONICS)
ION DISTRIBUTION
MAGNETIC ANNULAR ARC
NEUTRAL CURRENTS

CURRENT REGULATORS
0902 0904 0905
UF CURRENT STABILIZERS
GS REGULATORS
#CURRENT REGULATORS
RT CIRCUIT PROTECTION
CONTROLLERS
ELECTRIC CURRENT
% ELECTRIC EQUIPMENT
ELECTRIC SWITCHES
ELECTRONIC CONTROL
LIMITER CIRCUITS
POWER FACTOR CONTROLLERS
POWER SUPPLY CIRCUITS
SWITCHING CIRCUITS
TRANSMISSION LOSS
VOLTAGE REGULATORS

CURRENT SHEETS
2304 2307
RT ANTENNAS
ELECTRIC CURRENT
MAGNETIC FLUX
% SHEETS

CURRENT STABILIZERS
USE CURRENT REGULATORS

% CURRENTS
0102 0103 1203 1204 1310 1301 1302
3501
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT AIR CURRENTS
AIR FLOW
BEAM CURRENTS
CIRCULATION
COASTAL CURRENTS
ELECTRIC CURRENT
EXTERNAL SURFACE CURRENTS
FLUID FLOW
OCEAN CURRENTS
WATER CURRENTS

CURRENTS (OCEANOGRAPHY)
USE WATER CURRENTS

CURTAINS
0202 0405 1101 2003 3401 3406
RT % BARRIERS
DIVIDERS
DOORS
ENTRANCES
OPENINGS
% PARTITIONS
PARTITIONS (STRUCTURES)
% SCREENS
SEPARATORS
WALLS
WINDOWS (APERTURES)

CURTISS C-46 AIRCRAFT
USE C-46 AIRCRAFT

CURTISS-WRIGHT AIRCRAFT

```
  0207
  UF   CURTISS-WRIGHT MILITARY AIRCRAFT
  GS  #CURTISS-WRIGHT AIRCRAFT
       .C-46 AIRCRAFT
       .X-19 AIRCRAFT
  RT % AIRCRAFT

CURTISS-WRIGHT MILITARY AIRCRAFT
  USE  CURTISS-WRIGHT AIRCRAFT
       MILITARY AIRCRAFT

CURVATURE
  1902 3408
  GS   GEOMETRY
       #CURVATURE
  RT   CAMBER
     % CURVES
       CURVES (GEOMETRY)
       DIFFERENTIAL GEOMETRY
       FLEXING
     % PROFILES
       SHAPES
       ZERO FORCE CURVES

CURVE FITTING
  1902
  RT   DATA COMPRESSION
       DATA SMOOTHING
       FORECASTING
       LEAST SQUARES METHOD
       MINIMAX TECHNIQUE
       SADDLE POINTS
       STATISTICAL DISTRIBUTIONS
       STATISTICAL TESTS
       TIME SERIES ANALYSIS

CURVED BEAMS
  3202 3203
  GS   STRUCTURAL MEMBERS
       .BEAMS (SUPPORTS)
       .#CURVED BEAMS
  RT   CAMBER
       I BEAMS

CURVED PANELS
  3202 3203
  GS   PANELS
       #CURVED PANELS
  RT   CONTOURS
       SHAPES
       WING PANELS

CURVED SURFACES
  USE  CONTOURS
       SHAPES
       SURFACES

% CURVES
  1902
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   CURVATURE
       GRAPHS (CHARTS)
       LEARNING CURVES
       LIGHT CURVE
       TOROIDS
       TRAJECTORIES
       ZERO FORCE CURVES

CURVES (GEOMETRY)
  1902
  GS   GEOMETRY
       #CURVES (GEOMETRY)
       ..CATENARIES
       ..CYCLOIDS
       ..EPICYCLOIDS
       ..S CURVES
       ...GOMPERTZ CURVES
  RT   ANALYTIC GEOMETRY
     % ARCS
       CHORDS (GEOMETRY)
       CIRCLES (GEOMETRY)
       CURVATURE
       CUSPS (MATHEMATICS)
       DIFFERENTIAL GEOMETRY
       EUCLIDEAN GEOMETRY
       GEODESIC LINES
     % HELICES
       HOMOTOPY THEORY
       INFLECTION POINTS
       LINE SHAPE
       MANIFOLDS (MATHEMATICS)
       MENISCI
       SEGMENTS
     % SPIRALS

CURVILINEAR COORDINATES
  USE  SPHERICAL COORDINATES

CUSHIONCRAFT GROUND EFFECT MACHINE
  0205
  GS   GROUND EFFECT MACHINES
       #CUSHIONCRAFT GROUND EFFECT MACHINE
  RT   HOVERING
       VERTICAL TAKEOFF AIRCRAFT

CUSHIONS
  0203 0508 3201
  RT   AIR CUSHION LANDING SYSTEMS
       BUMPERS
       COUCHES
       GROUND EFFECT (AERODYNAMICS)
       HYDRAULIC EQUIPMENT
     % PAD
       PILLOWS
       PNEUMATIC EQUIPMENT
       SEATS
       SHOCK ABSORBERS
       VIBRATION ISOLATORS

% CUSPS
  1902
  SN   (USE OF A MORE SPECIFIC  TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   CUSPS (LANDFORMS)
       CUSPS (MATHEMATICS)
       DOUBLE CUSPS
       POLAR CUSPS

CUSPS (LANDFORMS)
  1303 1310
  GS   LANDFORMS
       #CUSPS (LANDFORMS)
  RT   BEACHES
       COASTS
     % CUSPS
       TOPOGRAPHY

CUSPS (MATHEMATICS)
  1902
  GS   GEOMETRY
       #CUSPS (MATHEMATICS)
       ..DOUBLE CUSPS
  RT   CURVES (GEOMETRY)
     % CUSPS
       EPICYCLOIDS
       MAXIMA
       MINIMA

CUSTOM INTEGRATED CIRCUITS
  USE  APPLICATION SPECIFIC INTEGRATED
       CIRCUITS

% CUT-OFF
  0702 1102 1305 1504 2311 2801 2808
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   BURNOUT
       ENGINE FAILURE
       MACHINING

CUT-OUTS
```

```
  USE  OPENINGS

CUTANEOUS PERCEPTION
  USE  TOUCH

CUTTERS
  1413 1504
  SN   (EXCLUDES SHIPS)
  GS  #CUTTERS
       .BLADES (CUTTERS)
       ..RAZOR BLADES
       .DRILL BITS
       .DRILLS
       .SAWS
       .SHEARS
  RT   CUTTING
       DIES
       LASER CUTTING
       MACHINE TOOLS
       SCRAPERS
       TAPS
       TOOLS

CUTTING
  1504 1704 2601
  GS  #CUTTING
       .BLANKING (CUTTING)
       .LASER CUTTING
       .METAL CUTTING
       .MILLING (MACHINING)
       .PLANING
       .SCARFING
       .SHEARING
       .SLICING
       .SPARK MACHINING
  RT   ABRASION
       CHIPPING
       COMMINUTION
       CUTTERS
       DRILLING
       FLAKING
       FORMING TECHNIQUES
       FRACTURING
       GRINDING (MATERIAL REMOVAL)
       GROOVING
       MACHINING
       MICROMACHINING
       PEELING
       PERFORATING
       PIERCING
     % SEPARATION
       SHREDDING
       SPLITTING
       TORCHES

CV-2 AIRCRAFT
  USE  DHC 4 AIRCRAFT

CV-7 AIRCRAFT
  USE  DHC 5 AIRCRAFT

CV-340 AIRCRAFT
  0204
  UF   CONVAIR 340 AIRCRAFT
  GS   COMMERCIAL AIRCRAFT
       #CV-340 AIRCRAFT
       GENERAL DYNAMICS AIRCRAFT
       #CV-340 AIRCRAFT
       MONOPLANES
       #CV-340 AIRCRAFT
       PASSENGER AIRCRAFT
       #CV-340 AIRCRAFT
  RT % AIRCRAFT

CV-440 AIRCRAFT
  0204
  UF   CONVAIR 440 AIRCRAFT
       METROPOLITAN AIRCRAFT
  GS   COMMERCIAL AIRCRAFT
       #CV-440 AIRCRAFT
       GENERAL DYNAMICS AIRCRAFT
       #CV-440 AIRCRAFT
       MONOPLANES
       #CV-440 AIRCRAFT
       PASSENGER AIRCRAFT
       #CV-440 AIRCRAFT
  RT % AIRCRAFT

CV-880 AIRCRAFT
  0204
  UF   CONVAIR 880 AIRCRAFT
  GS   COMMERCIAL AIRCRAFT
       #CV-880 AIRCRAFT
       GENERAL DYNAMICS AIRCRAFT
       #CV-880 AIRCRAFT
       JET AIRCRAFT
       #CV-880 AIRCRAFT
       MONOPLANES
       #CV-880 AIRCRAFT
       PASSENGER AIRCRAFT
       #CV-880 AIRCRAFT
       TRANSPORT AIRCRAFT
       #CV-880 AIRCRAFT
  RT % AIRCRAFT

CV-990 AIRCRAFT
  0204
  UF   CONVAIR 990 AIRCRAFT
  GS   COMMERCIAL AIRCRAFT
       #CV-990 AIRCRAFT
       GENERAL DYNAMICS AIRCRAFT
       #CV-990 AIRCRAFT
       JET AIRCRAFT
       .TURBOFAN AIRCRAFT
       .#CV-990 AIRCRAFT
       MONOPLANES
       #CV-990 AIRCRAFT
       PASSENGER AIRCRAFT
       #CV-990 AIRCRAFT
  RT % AIRCRAFT

CVD (DEPOSITION)
  USE  VAPOR DEPOSITION

CVI (FABRICATION)
  USE  CHEMICAL VAPOR INFILTRATION

CW RADAR
  USE  CONTINUOUS WAVE RADAR

CYANAMIDES
  0403 1808
  GS   NITROGEN COMPOUNDS
       .AMIDES
       .#CYANAMIDES
       .CYANO COMPOUNDS
       .#CYANAMIDES

CYANATES
  0403 1808
  RT   ESTERS
       URETHANES

CYANIDE EMISSION
  USE  CN EMISSION

CYANIDES
  0403 0603 1804 1808
  GS  #CYANIDES
       .ACETONITRILE
       .CYANOGEN
       .IRON CYANIDES
       .MALONONITRILE
  RT   CYANO COMPOUNDS
       CYANOACETYLENE
       NITROGEN COMPOUNDS

CYANO COMPOUNDS
  0403 0603 1804 1808
  GS   NITROGEN COMPOUNDS
       #CYANO COMPOUNDS
       ..CYANAMIDES
       ..CYANOACETYLENE
       ..ISOCYANATES
       ...DIISOCYANATES
```

```
        ...FULMINATES
  RT % CHEMICAL COMPOUNDS
       CYANIDES
       NITRILES

CYANOACETYLENE
  1808
  GS   NITROGEN COMPOUNDS
       .CYANO COMPOUNDS
       .#CYANOACETYLENE
       ORGANIC COMPOUNDS
       .HYDROCARBONS
       .#CYANOACETYLENE
  RT   ACETYLENE
       CYANIDES

CYANOCOBALAMIN
  0403 0405 1808
  UF   VITAMIN B 12
  GS   ORGANIC COMPOUNDS
       .CYCLIC COMPOUNDS
       ..HETEROCYCLIC COMPOUNDS
       ..#CYANOCOBALAMIN
       VITAMINS
       #CYANOCOBALAMIN

CYANOGEN
  0403 1808
  GS   CYANIDES
       #CYANOGEN

CYANOPHYTA
  USE  BLUE GREEN ALGAE

CYANOSIS
  0401 0405 0408
  GS   DISEASES
       #CYANOSIS
  RT   BLOOD CIRCULATION
       HEART FUNCTION

CYANURATES
  0403 1808
  GS   ESTERS
       #CYANURATES
       ORGANIC COMPOUNDS
       .CYCLIC COMPOUNDS
       ..HETEROCYCLIC COMPOUNDS
       ...AZINES
       ...#CYANURATES
       PYRAZINES
       .AZINES
       .#CYANURATES

CYANURIC ACID
  0403 1808
  GS   ACIDS
       #CYANURIC ACID
       HYDROXYL COMPOUNDS
       .ALCOHOLS
       ..TRIOLS
       ..#CYANURIC ACID
       ORGANIC COMPOUNDS
       .CYCLIC COMPOUNDS
       ..HETEROCYCLIC COMPOUNDS
       ...AZINES
       ...#CYANURIC ACID
       PYRAZINES
       .AZINES
       .#CYANURIC ACID

CYBER 74 COMPUTER
  USE  CDC CYBER 74 COMPUTER

CYBERNETICS
  0404 0503 0702 3402 4001
  RT   ADAPTIVE CONTROL
       AUTOMATA THEORY
     % AUTOMATION
       BIONICS
       COMMUNICATION THEORY
       COMPUTERS
     % CONTROL
       CONTROL SYSTEMS DESIGN
       CONTROLLERS
       DEPERSONALIZATION
       FEEDBACK
       HUMAN FACTORS ENGINEERING
       INFORMATION THEORY
       MACHINE LEARNING
       MAN MACHINE SYSTEMS
       MANAGEMENT
       MODEL REFERENCE ADAPTIVE CONTROL
       NEURAL NETS
       PSYCHOLOGY
     % SYSTEMS
       SYSTEMS ENGINEERING

CYCLES
  0705 0710 1902
  UF   CYCLING
       PERIODIC PROCESSES
  GS  #CYCLES
       .ACTIVITY CYCLES (BIOLOGY)
       .CARBON CYCLE
       .HYDROLOGICAL CYCLE
       .SOLAR CYCLES
       ..SUNSPOT CYCLE
       .STRESS CYCLES
       .THERMODYNAMIC CYCLES
       ..BRAYTON CYCLE
       ..CARNOT CYCLE
       ..OTTO CYCLE
       ..RANKINE CYCLE
       ..STIRLING CYCLE
       .WORK-REST CYCLE
  RT   ALTERNATIONS
       AMPLITUDES
       ANNUAL VARIATIONS
       CYCLIC LOADS
       DIURNAL VARIATIONS
       FATIGUE (MATERIALS)
       FREQUENCY DISTRIBUTION
       HARMONICS
       INTERMITTENCY
       LONG TERM EFFECTS
       PERIODIC VARIATIONS
     % PHASES
       RECIPROCATION
       RHYTHM (BIOLOGY)
       STARTING
       SUPERHARMONICS

CYCLIC ACCELERATORS
  2202 2403 2405
  GS   PARTICLE ACCELERATORS
       #CYCLIC ACCELERATORS
       ..BETATRONS
       ..SYNCHROCYCLOTRONS
       ..SYNCHROTRONS
       ...BEVATRON
       ...STORAGE RINGS (PARTICLE
          ACCELERATORS)
  RT % ACCELERATORS

CYCLIC ADENOSINE MONOPHOSPHATE
  USE  CYCLIC AMP

CYCLIC AMP
  0403
  UF   CYCLIC ADENOSINE MONOPHOSPHATE
  GS   ORGANIC COMPOUNDS
       .COENZYMES
       .#CYCLIC AMP
       .CYCLIC COMPOUNDS
       ..HETEROCYCLIC COMPOUNDS
       ...ADENOSINES
       ...#CYCLIC AMP
       .NUCLEOTIDES
       ..ADENOSINES
       ..#CYCLIC AMP
       PHOSPHORUS COMPOUNDS
       .PHOSPHATES
       .#CYCLIC AMP
  RT   ADRENERGICS
```

```
       ALKYNES
       AMINO ACIDS
       CHOLINERGICS
       GUANINES
       PHARMACOLOGY

CYCLIC COMPOUNDS
  1808
  GS   ORGANIC COMPOUNDS
       #CYCLIC COMPOUNDS
       ..CYCLIC HYDROCARBONS
       ...ANTHRACENE
       ...BENZENE
       ...CHLOROBENZENES
       ...COLCHICINE
       ...CYCLOBUTANE
       ...CYCLOHEXANE
       ...CYCLOPROPANE
       ...DURENE
       ...INDENE
       ...MENTHOL
       ...NAPHTHALENE
       ...NAPHTHENES
       ..HETEROCYCLIC COMPOUNDS
       ...ACRIFLAVINE
       ...ADENOSINES
       ....ADENOSINE DIPHOSPHATE
       ....ADENOSINE TRIPHOSPHATE
       ....CYCLIC AMP
       ...ALKALOIDS
       ....ATROPINE
       ....BETAINES
       ....CAFFEINE
       ....COLCHICINE
       ....ERGOTAMINE
       ....HYOSCINE
       ....LYSERGINE
       ....MORPHINE
       ....NICOTINAMIDE
       ....NICOTINE
       ....PILOCARPINE
       ....RESERPINE
       ....STRYCHNINE
       ....TROPYL COMPOUNDS
       ...ANISOLE
       ...ASCORBIC ACID
       ...AZINES
       ....CYANURATES
       ....CYANURIC ACID
       ....MECLIZINE
       ....METHYLENE BLUE
       ....PHENOTHIAZINES
       ...AZOLES
       ....ACETAZOLAMIDE
       ....OXAZOLE
       ....PYRROLES
       .....CARBAZOLES
       .....INDOLES
       ......TRYPTOPHAN
       ...AZULENE
       ...BIOFLAVONOIDS
       ...BIOTIN
       ...CARNITINE
       ...CYANOCOBALAMIN
       ...CYTIDYLIC ACID
       ...DIMENHYDRINATE
       ...ENDRIN
       ...ETHYLENE OXIDE
       ...FOLIC ACID
       ...FURANS
       ....TETRAHYDROFURAN
       ...GUANETHIDINE
       ...HMX
       ...NICOTINIC ACID
       ...PHTHALOCYANIN
       ...PHYLLOQUINONE
       ...PIPERIDINE
       ...PROMETHAZINE
       ...PURINES
       ....ADENINES
       ....XANTHINES
       .....CAFFEINE
       .....GUANINES
       .....URIC ACID
       ...PYRIDINES
       ...PYRIDOXINE
       ...PYRIMIDINES
       ....ALLOXAN
       ....THYMIDINE
       ....THYMINE
       ....URACIL
       ...RDX
       ...RETINENE
       ...RIBOFLAVIN
       ...TETRACYCLINES
       ...TETRAZOLES
       ...THIAMINE
       ...THIAZINE (TRADEMARK)
       ...TOCOPHEROL
       ...TRIMETHADIONE
       ..RHODAMINE
  RT % CHEMICAL COMPOUNDS
       ORGANIC CHEMISTRY

CYCLIC HYDROCARBONS
  0403 1808
  GS   ORGANIC COMPOUNDS
       .CYCLIC COMPOUNDS
       .#CYCLIC HYDROCARBONS
       ...ANTHRACENE
       ...BENZENE
       ...CHLOROBENZENES
       ...COLCHICINE
       ...CYCLOBUTANE
       ...CYCLOHEXANE
       ...CYCLOPROPANE
       ...DURENE
       ...INDENE
       ...MENTHOL
       ...NAPHTHALENE
       ...NAPHTHENES
       .HYDROCARBONS
       .#CYCLIC HYDROCARBONS
       ...ANTHRACENE
       ...BENZENE
       ...CHLOROBENZENES
       ...COLCHICINE
       ...CYCLOBUTANE
       ...CYCLOHEXANE
       ...CYCLOPROPANE
       ...DURENE
       ...INDENE
       ...MENTHOL
       ...NAPHTHALENE
       ...NAPHTHENES
  RT   ALKYNES

CYCLIC LOADS
  3203 3204
  SN   (LIMITED TO FORCE LOADS)
  GS   LOADS (FORCES)
       .DYNAMIC LOADS
       .#CYCLIC LOADS
  RT   CYCLES
       ELBER EQUATION
       INELASTIC STRESS
       S-N DIAGRAMS
       STRESS CYCLES
       STRUCTURAL DESIGN CRITERIA
       TRANSIENT LOADS
       VARIABLE AMPLITUDE LOADING
       VIBRATION
       VIBRATORY LOADS

CYCLING
  USE  CYCLES

CYCLOBUTANE
  0403 1808
  GS   ORGANIC COMPOUNDS
       .CYCLIC COMPOUNDS
       ..CYCLIC HYDROCARBONS
       ..#CYCLOBUTANE
       .HYDROCARBONS
       ..CYCLIC HYDROCARBONS
```

..#CYCLOBUTANE

CYCLOGENESIS
1301 1308 2001 2003
RT ARC CLOUDS
ATMOSPHERIC CIRCULATION
ATMOSPHERIC PRESSURE
CYCLONES
HURRICANES
LOW PRESSURE
STORMS (METEOROLOGY)

CYCLOHEXANE
0403 1808
GS ORGANIC COMPOUNDS
.CYCLIC COMPOUNDS
..CYCLIC HYDROCARBONS
..#CYCLOHEXANE
.HYDROCARBONS
..CYCLIC HYDROCARBONS
..#CYCLOHEXANE
RT BENZENE
HEXENES
HYDROGENATION

CYCLOIDS
1902
GS GEOMETRY
.CURVES (GEOMETRY)
.#CYCLOIDS
.EUCLIDEAN GEOMETRY
..ANALYTIC GEOMETRY
..#CYCLOIDS

CYCLONES
1301 1308 2003
SN (METEOROLOGICAL--EXCLUDES EQUIPMENT)
GS STORMS
.STORMS (METEOROLOGY)
.#CYCLONES
...HURRICANES
....ANNA HURRICANE
...TYPHOONS
RT ANTICYCLONES
ATMOSPHERIC PRESSURE
BAROCLINIC WAVES
CYCLOGENESIS
GROUND WIND
LOW PRESSURE
METEOROLOGY
PRECIPITATION (METEOROLOGY)
STORM DAMAGE
SYNOPTIC METEOROLOGY
TORNADOES
TROPICAL STORMS
WIND (METEOROLOGY)

CYCLONES (EQUIPMENT)
USE CENTRIFUGES

CYCLOPROPANE
0403 1808
GS DRUGS
.ANESTHETICS
.#CYCLOPROPANE
ORGANIC COMPOUNDS
.CYCLIC COMPOUNDS
..CYCLIC HYDROCARBONS
..#CYCLOPROPANE
.HYDROCARBONS
..CYCLIC HYDROCARBONS
..#CYCLOPROPANE
RT PROPANE

CYCLOPS PLASMA ACCELERATOR
2403 3404
GS PLASMA ACCELERATORS
#CYCLOPS PLASMA ACCELERATOR
RT % ACCELERATORS
PLASMAS (PHYSICS)

CYCLOTETRAMETHYLENE TETRANITRAMINE
USE HMX

CYCLOTRIMETHYLENE TRINITRAMINE
USE RDX

CYCLOTRON FREQUENCY
2401 2403 2404 2502
GS FREQUENCIES
#CYCLOTRON FREQUENCY
RT CHARGED PARTICLES
LARMOR PRECESSION

CYCLOTRON RADIATION
0710 2402 2403 2903
GS ELECTROMAGNETIC RADIATION
.NONTHERMAL RADIATION
.#CYCLOTRON RADIATION
...ION CYCLOTRON RADIATION
RT CHARGED PARTICLES
LARMOR PRECESSION
LARMOR RADIUS
% RADIATION

CYCLOTRON RESONANCE
2403 2404 2502
GS RESONANCE
#CYCLOTRON RESONANCE
RT CHARGED PARTICLES
DIAMAGNETISM
ENERGY TRANSFER
FERMI SURFACES
ION CYCLOTRON RADIATION
PLASMA RESONANCE

CYCLOTRON RESONANCE DEVICES
2312
UF GYROTRONS
GS AMPLIFIERS
.MICROWAVE AMPLIFIERS
.#CYCLOTRON RESONANCE DEVICES
ELECTRON TUBES
.VACUUM TUBES
..MICROWAVE TUBES
..#CYCLOTRON RESONANCE DEVICES
MICROWAVE EQUIPMENT
.MICROWAVE AMPLIFIERS
.#CYCLOTRON RESONANCE DEVICES
.MICROWAVE TUBES
.#CYCLOTRON RESONANCE DEVICES
RT CAVITY RESONATORS
% DEVICES
DIFFRACTION RADIATION
KLYSTRONS
MILLIMETER WAVES
POWER AMPLIFIERS
TRAVELING WAVE TUBES

CYCLOTRONS
2202 2401 2403 2405
UF CALUTRONS
GS PARTICLE ACCELERATORS
#CYCLOTRONS
..GEOCYCLOTRONS
..MICROTRONS
..OAK RIDGE ISOCHRONOUS CYCLOTRON
..OMEGATRONS
..SYNCHROCYCLOTRONS
RT SYNCHROTRONS

CYGNUS CONSTELLATION
0705 3001
GS CONSTELLATIONS
#CYGNUS CONSTELLATION
RT CELESTIAL BODIES
CELESTIAL SPHERE
STARS

% CYLINDERS
0202 1103 1502 1504 1902 2801 3203
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)

```
  RT    ANALYTIC GEOMETRY
        CIRCULAR CYLINDERS
        CONCENTRIC CYLINDERS
        CYLINDRICAL BODIES
        CYLINDRICAL CHAMBERS
        CYLINDRICAL SHELLS
      % DRUMS
        DRUMS (CONTAINERS)
        ELASTIC CYLINDERS
        ELLIPTICAL CYLINDERS
        HEMISPHERE CYLINDER BODIES
        MONOCOQUE STRUCTURES
        ORTHOTROPIC CYLINDERS
        OSCILLATING CYLINDERS
        PLASMA CYLINDERS
        ROTATING CYLINDERS
        VISCOELASTIC CYLINDERS

CYLINDRICAL AFTERBODIES
  USE   AFTERBODIES
        CYLINDRICAL BODIES

CYLINDRICAL ANTENNAS
  0901
  GS    ANTENNAS
        #CYLINDRICAL ANTENNAS
  RT    ANTENNA RADIATION PATTERNS
        RADIO EQUIPMENT

CYLINDRICAL BODIES
  0102 3202 3203
  UF    CYLINDRICAL AFTERBODIES
        CYLINDROIDS
  GS    SYMMETRICAL BODIES
        .BODIES OF REVOLUTION
        .#CYLINDRICAL BODIES
        ...ROTATING CYLINDERS
  RT    AFTERBODIES
        AIRY FUNCTION
        CENTERBODIES
        CIRCULAR CYLINDERS
      % CYLINDERS
        CYLINDRICAL COORDINATES
        ELASTIC CYLINDERS
        ELLIPTICAL CYLINDERS
        FOREBODIES
        FUSELAGES
        HEMISPHERE CYLINDER BODIES
        ORTHOTROPIC CYLINDERS
        OSCILLATING CYLINDERS
        PLASMA CYLINDERS
        PLASTIC BODIES
        ROLLERS
        VISCOELASTIC CYLINDERS

CYLINDRICAL CHAMBERS
  3203
  RT    BRAKES (FOR ARRESTING MOTION)
      % CHAMBERS
      % CYLINDERS

CYLINDRICAL COORDINATES
  1303
  GS    COORDINATES
        #CYLINDRICAL COORDINATES
  RT    ASTRONOMICAL COORDINATES
        CARTESIAN COORDINATES
        CYLINDRICAL BODIES

CYLINDRICAL PLASMAS
  2502
  GS    PARTICLES
        .CHARGED PARTICLES
        ..ENERGETIC PARTICLES
        ...PLASMAS (PHYSICS)
        ...#CYLINDRICAL PLASMAS
        PLASMA CYLINDERS
        #CYLINDRICAL PLASMAS
  RT    PINCH EFFECT

CYLINDRICAL SHELLS
  1902 3203
  GS    SHELLS (STRUCTURAL FORMS)
        #CYLINDRICAL SHELLS
  RT    CIRCULAR CYLINDERS
        CIRCULAR SHELLS
        CIRCULAR TUBES
        CONCENTRIC CYLINDERS
      % CYLINDERS
        ELASTIC CYLINDERS
        ELLIPTICAL CYLINDERS
        METAL SHELLS
        ORTHOTROPIC CYLINDERS
        ORTHOTROPIC SHELLS
        OSCILLATING CYLINDERS
        PLASMA CYLINDERS
        PLASTIC SHELLS
        REINFORCED SHELLS
        ROTATING CYLINDERS
        THIN WALLED SHELLS
        VISCOELASTIC CYLINDERS

CYLINDRICAL TANKS
  1502 3202
  GS    TANKS (CONTAINERS)
        #CYLINDRICAL TANKS
  RT    FUEL TANKS
        PROPELLANT TANKS
        STORAGE TANKS

CYLINDRICAL WAVES
  0710 1202 1203
  RT    AXISYMMETRIC FLOW
        ELASTIC WAVES
        ELECTROMAGNETIC RADIATION
        PLANE WAVES
        SPHERICAL WAVES
      % WAVES

CYLINDROIDS
  USE   CYLINDRICAL BODIES

CYPRUS
  1305
  GS    LANDFORMS
        .ISLANDS
        .#CYPRUS
        NATIONS
        #CYPRUS
  RT    GREECE
        MEDITERRANEAN SEA

CYRILLID METEOROIDS
  3005
  GS    CELESTIAL BODIES
        .METEOROID SHOWERS
        .#CYRILLID METEOROIDS
        .METEOROIDS
        ..BOLIDES
        ..#CYRILLID METEOROIDS
  RT    NATURAL SATELLITES
        TEKTITES

CYSTEAMINE
  0403 1808
  GS    AMINES
        #CYSTEAMINE
        DRUGS
        .ANTIRADIATION DRUGS
        .#CYSTEAMINE
  RT    AMINO ACIDS
        PROTEINS
        RADIATION PROTECTION

CYSTEINE
  0403 1808
  GS    ACIDS
        .AMINO ACIDS
        .#CYSTEINE
        DRUGS
        #CYSTEINE
        ORGANIC COMPOUNDS
        .AMINO ACIDS
        .#CYSTEINE
        SULFUR COMPOUNDS
```

```
        .THIOLS
        .#CYSTEINE
  RT    PROTEINS

CYSTIC FIBROSIS
  0404 0405
  GS    DISEASES
        .FIBROSIS
        .#CYSTIC FIBROSIS
  RT    TISSUES (BIOLOGY)

CYSTS
  0404 0405
  GS  #CYSTS
        .MUCOCELES
  RT    NEOPLASMS
        TISSUES (BIOLOGY)
        TUMORS

CYTIDYLIC ACID
  0403 1808
  GS    ACIDS
        #CYTIDYLIC ACID
        ORGANIC COMPOUNDS
        .CYCLIC COMPOUNDS
        ..HETEROCYCLIC COMPOUNDS
        ..#CYTIDYLIC ACID

CYTOCHROMES
  0403 1808
  GS    BIOPOLYMERS
        .PROTEINS
        ..ENZYMES
        ..#CYTOCHROMES
        ORGANIC COMPOUNDS
        .PROTEINS
        ..ENZYMES
        ..#CYTOCHROMES
        PIGMENTS
        #CYTOCHROMES
  RT    CYTOGENESIS
        SKIN (ANATOMY)

CYTOGENESIS
  0404 0406
  GS  #CYTOGENESIS
        .CELL DIVISION
        .DIFFERENTIATION (BIOLOGY)
        .HEMATOPOIESIS
        .MITOSIS
  RT % BIOLOGY
        CELLS (BIOLOGY)
        CYTOCHROMES
        CYTOLOGY
        CYTOPLASM
      % DIFFERENTIATION
        GENETICS
        HEREDITY
        PHYSIOLOGY

CYTOLOGY
  0404 0406
  RT    BIOCHEMISTRY
      % BIOLOGY
        CELL MEMBRANES (BIOLOGY)
        CELLS (BIOLOGY)
        CHROMOSOMES
        CYTOGENESIS
        CYTOMETRY
        EUKARYOTES
        LYSOSOMES
        MITOCHONDRIA
        MITOSIS
        NUCLEI (CYTOLOGY)
        ORGANELLES
        PLASMOLYSIS
        PROKARYOTES
        SARCOPLASMIC RETICULUM

CYTOMETRY
  0404 0406
  UF    CYTOPHOTOMETRY
  RT    CELLS (BIOLOGY)
        CYTOLOGY
        MICROSCOPY

CYTOPHOTOMETRY
  USE   CYTOMETRY

CYTOPLASM
  0406
  RT    CALMODULIN
        CELLS (BIOLOGY)
        CHLOROPLASTS
        CYTOGENESIS
        ENDOPLASMIC RETICULUM
        EOSINOPHILS
        FIBROBLASTS
        MITOSIS
        NUCLEI (CYTOLOGY)
        ORGANELLES
        SARCOPLASMIC RETICULUM

CZECHOSLOVAKIA
  1305
  GS    NATIONS
        #CZECHOSLOVAKIA
  RT    CENTRAL EUROPE
        CZECHOSLOVAKIAN SPACE PROGRAM
        CZECHOSLOVAKIAN SPACECRAFT
        EUROPE

CZECHOSLOVAKIAN SPACE PROGRAM
  3009 3409
  GS    PROGRAMS
        .SPACE PROGRAMS
        ..EUROPEAN SPACE PROGRAMS
        ..#CZECHOSLOVAKIAN SPACE PROGRAM
  RT    CZECHOSLOVAKIA

CZECHOSLOVAKIAN SPACECRAFT
  3107
  RT    CZECHOSLOVAKIA
      % SPACECRAFT

CZOCHRALSKI METHOD
  1504 1704 2601
  GS    GROWTH
        .CRYSTAL GROWTH
        .#CZOCHRALSKI METHOD
  RT % METHODOLOGY
        VERNEUIL PROCESS

D LAYER
  USE   D REGION

D LINES
  1411 2306 2902
  GS    SPECTRA
        .RADIATION SPECTRA
        ..ELECTROMAGNETIC SPECTRA
        ...LINE SPECTRA
        ...#D LINES
  RT    ABSORPTION SPECTRA
        EMISSION SPECTRA
        H LINES
        SOLAR SPECTRA

D REGION
  1302 1308 3002
  SN    (ALTITUDE RANGE BETWEEN
        APPROXIMATELY 50 AND 90 KM)
  UF    D LAYER
  GS    EARTH ATMOSPHERE
        .UPPER ATMOSPHERE
        ..EARTH IONOSPHERE
        ...LOWER IONOSPHERE
        ...#D REGION
        REGIONS
        #D REGION
  RT    EARTH-IONOSPHERE WAVEGUIDE

D-1 SATELLITE
  3107 3409
  GS    ARTIFICIAL SATELLITES
```

.FRENCH SATELLITES
.#D-1 SATELLITE

D-2 SATELLITES
3107
UF D-2B SATELLITE
POLAIRE SATELLITE
TOURNESOLE SATELLITE
GS ARTIFICIAL SATELLITES
.FRENCH SATELLITES
.#D-2 SATELLITES
.METEOROLOGICAL SATELLITES
.#D-2 SATELLITES

D-2B SATELLITE
USE D-2 SATELLITES

D-558 AIRCRAFT
0201 0204
UF DOUGLAS D-558 AIRCRAFT
SKYROCKET AIRCRAFT
SKYSTREAK AIRCRAFT
GS JET AIRCRAFT
#D-558 AIRCRAFT
MCDONNELL DOUGLAS AIRCRAFT
.DOUGLAS AIRCRAFT
.#D-558 AIRCRAFT
MONOPLANES
#D-558 AIRCRAFT
RESEARCH AIRCRAFT
#D-558 AIRCRAFT
SUPERSONIC AIRCRAFT
#D-558 AIRCRAFT
RT % AIRCRAFT

DACRON (TRADEMARK)
1811
GS FABRICS
#DACRON (TRADEMARK)
FIBERS
.SYNTHETIC FIBERS
.#DACRON (TRADEMARK)
RT POLYESTER RESINS
REINFORCING FIBERS

DAD EXPLORER
USE DUAL AIR DENSITY EXPLORER

DAEMO (DATA ANALYSIS)
USE DATA PROCESSING
DATA REDUCTION
DATA TRANSMISSION

DAHOMEY
USE BENIN

DAKOTA AIRCRAFT
USE C-47 AIRCRAFT

DALTON LAW
1203 2311 3501
RT GAS COMPOSITION
GAS DYNAMICS
GAS-GAS INTERACTIONS
IDEAL GAS
PARTIAL PRESSURE
VAPOR PRESSURE

DAMA
USE DEMAND ASSIGNMENT MULTIPLE ACCESS

DAMAGE
0411 0412 1108 1505 3406 3501
GS #DAMAGE
.CUMULATIVE DAMAGE
.EARTHQUAKE DAMAGE
.FIRE DAMAGE
.FLOOD DAMAGE
.FROST DAMAGE
.IMPACT DAMAGE
..METEORITIC DAMAGE
..RAIN IMPACT DAMAGE
.PROTON DAMAGE
.RADIATION DAMAGE
..LASER DAMAGE
.STORM DAMAGE
RT BURNTHROUGH (FAILURE)
CORROSION
DAMAGE ASSESSMENT
DECAY
DECOMPOSITION
DEFECTS
DEFORMATION
DEGRADATION
DESTRUCTION
DETERIORATION
DISCOLORATION
DISINTEGRATION
DURABILITY
FATIGUE (BIOLOGY)
FATIGUE (MATERIALS)
FRACTURES (MATERIALS)
HOT CORROSION
IMMOBILIZATION
IMPAIRMENT
INJURIES
LETHALITY
LOSSES
RADIATION EFFECTS
SABOTAGE
WARPAGE
WEAR
WEATHERING

DAMAGE ASSESSMENT
3402
GS ASSESSMENTS
#DAMAGE ASSESSMENT
RT CASTS
COSTS
DAMAGE
ESTIMATES
MAINTENANCE
RECOVERABILITY
REPLACING
SPARE PARTS
VALUE

DAMAGE THRESHOLD
USE YIELD POINT

DAMKOHLER NUMBER
0603
RT ACTIVATION ENERGY
COMBUSTION PHYSICS
DIFFUSION FLAMES
FLAME PROPAGATION
% NUMBERS
REACTION KINETICS

DAMP PROGRAM
USE DOWNRANGE ANTIMISSILE MEASUREMENT PROGRAM

% DAMPERS
1501 1504 2308 3110
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT BLANKETS (FISSION REACTORS)
DAMPERS (VALVES)
NUTATION DAMPERS
OSCILLATION DAMPERS
VIBRATION ISOLATORS

DAMPERS (VALVES)
1501 1504
GS VALVES
.BUTTERFLY VALVES
.#DAMPERS (VALVES)
RT AUTOMATIC CONTROL VALVES
% DAMPERS
GAS VALVES
VIBRATION ISOLATORS

```
DAMPING
  1902 2308 2311 3203
  UF   DAMPING FACTOR
       DAMPING IN PITCH
       DAMPING IN ROLL
       DAMPING IN YAW
       ELASTIC STABILITY
       JET DAMPING
  GS  #DAMPING
       .ELASTIC DAMPING
       ..VISCOELASTIC DAMPING
       .LANDAU DAMPING
       .VIBRATION DAMPING
       .VISCOUS DAMPING
       ..VISCOELASTIC DAMPING
  RT % ABSORPTION
       ATTENUATION
       BAFFLES
       DECELERATION
       DISSIPATION
       DYNAMIC CHARACTERISTICS
       DYNAMIC RESPONSE
       DYNAMIC STABILITY
       ENERGY ABSORPTION
       GYROSCOPE FLUIDS
       GYROSCOPIC PENDULUMS
       GYROSCOPIC STABILITY
       HYSTERESIS
       IMPEDANCE
       INSULATION
       INTERNAL FRICTION
       MECHANICAL IMPEDANCE
       MUFFLERS
       NEGATIVE FEEDBACK
       OSCILLATIONS
     % REDUCTION
     % RESISTANCE
       RESONANT FREQUENCIES
       RESONANT VIBRATION
       RETARDING
       ROLL
       SEA KEEPING
       SHOCK ABSORBERS
       SILENCERS
       STABILITY DERIVATIVES
       STOPPING
       SUBHARMONIC GENERATORS
       SUPPRESSORS
       TIME CONSTANT
       TRANSFER FUNCTIONS
       TRANSIENT OSCILLATIONS
       TRANSIENT RESPONSE
       VIBRATION ISOLATORS
       WAVE INTERACTION

DAMPING FACTOR
  USE  DAMPING

DAMPING IN PITCH
  USE  DAMPING
       PITCH (INCLINATION)

DAMPING IN ROLL
  USE  DAMPING

DAMPING IN YAW
  USE  DAMPING
       YAW

DAMPING TESTS
  1108 1504 3501
  GS   VIBRATION TESTS
       #DAMPING TESTS
       ..STROKING TESTS
  RT   RESONANCE TESTING
       STABILITY TESTS
     % TESTS
       VIBRATION MEASUREMENT

DAMPNESS
  USE  MOISTURE CONTENT

DAMS
  3202
  RT % BARRAGES
     % BARRIERS
       FLOOD CONTROL
       HYDROELECTRICITY
       RESERVOIRS
       WHARVES

DANGER
  USE  HAZARDS

DANISH SPACE PROGRAM
  3409
  GS   PROGRAMS
       .SPACE PROGRAMS
       ..EUROPEAN SPACE PROGRAMS
       ..#DANISH SPACE PROGRAM
  RT   DENMARK

DARK ADAPTATION
  0404 0408
  GS   ADAPTATION
       .RETINAL ADAPTATION
       .#DARK ADAPTATION
  RT   DARKNESS
       NIGHT VISION
       PUPILLOMETRY
       VISION
       VISUAL PIGMENTS

DARK MATTER
  0603 3001 3009
  GS   EXTRATERRESTRIAL MATTER
       .INTERSTELLAR MATTER
       .#DARK MATTER
       MATTER (PHYSICS)
       #DARK MATTER
  RT   BARYONS
       COOLING FLOWS (ASTROPHYSICS)
       COSMOLOGY
       GALACTIC EVOLUTION
       GALACTIC HALOS
       INTERGALACTIC MEDIA
       MISSING MASS (ASTROPHYSICS)
       NEUTRINOS
       UNIVERSE

DARKENING
  3407
  GS  #DARKENING
       .LIMB DARKENING
  RT   DARKNESS
     % ILLUMINATION
       NIGHT
       VISIBILITY

DARKNESS
  2306
  RT   COLOR
       DARK ADAPTATION
       DARKENING
       DIURNAL VARIATIONS
       ILLUMINATING
     % ILLUMINATION
       LIGHT (VISIBLE RADIATION)
       NIGHT
       NIGHT FLIGHTS (AIRCRAFT)
       OPTICAL PROPERTIES
       SHADOWS

DARKROOMS
  0504 0605 1407
  GS   ROOMS
       #DARKROOMS
  RT   PHOTOGRAPHIC PROCESSING
       PHOTOGRAPHIC PROCESSING EQUIPMENT
       PHOTOGRAPHY

DART TURBOPROP ENGINES
  USE  TURBOPROP ENGINES

DASH HELICOPTER
```

```
  USE  QH-50 HELICOPTER

DASSAULT AIRCRAFT
  0201
  GS  #DASSAULT AIRCRAFT
      .MIRAGE AIRCRAFT
      ..MIRAGE 3 AIRCRAFT
      .MYSTERE 20 AIRCRAFT
  RT % AIRCRAFT
      MYSTERE 50 AIRCRAFT

DASSAULT MIRAGE 3 AIRCRAFT
  USE  MIRAGE 3 AIRCRAFT

DASSAULT MYSTERE 20 AIRCRAFT
  USE  MYSTERE 20 AIRCRAFT

DASSAULT MYSTERE 50 AIRCRAFT
  USE  MYSTERE 50 AIRCRAFT

DAST PROGRAM
  0205
  SN   (DRONES FOR AERODYNAMIC AND
       STRUCTURAL TESTING)
  UF   DRONES FOR AERODYNAMIC AND STRUCT
       TEST
  GS   PROGRAMS
       .NASA PROGRAMS
       .#DAST PROGRAM
  RT   AEROELASTICITY
       AIRCRAFT CONTROL
       AIRCRAFT DESIGN
       DRONE AIRCRAFT
       FLIGHT TESTS
       FLUTTER
       REMOTELY PILOTED VEHICLES
       VIBRATION DAMPING

% DATA
  0802 0803 1902
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   ANALOG DATA
       AUDIO DATA
       BINARY DATA
       BIOMEDICAL DATA
       CENSORED DATA (MATHEMATICS)
       CHANNELS (DATA TRANSMISSION)
       CONTROL DATA (COMPUTERS)
       DATA ACQUISITION
       DATA BASE MANAGEMENT SYSTEMS
       DATA BASES
       DATA COLLECTION PLATFORMS
       DATA COMPRESSION
       DATA CONVERSION ROUTINES
       DATA CONVERTERS
       DATA CORRELATION
       DATA LINKS
       DATA MANAGEMENT
       DATA PROCESSING
       DATA PROCESSING EQUIPMENT
       DATA PROCESSING TERMINALS
       DATA RECORDERS
       DATA RECORDING
       DATA REDUCTION
       DATA RETRIEVAL
       DATA SAMPLING
       DATA SMOOTHING
       DATA STORAGE
       DATA SYSTEMS
       DATA TRANSMISSION
       DATUM (ELEVATION)
       DIGITAL DATA
       END-TO-END DATA SYSTEMS
       INFORMATION
       INTERSERVICE DATA EXCHANGE PROGRAM
     % MEASUREMENT
       OCEAN DATA ACQUISITIONS SYSTEMS
       ONBOARD DATA PROCESSING
       OPTICAL DATA PROCESSING
       OPTICAL DATA STORAGE MATERIALS
       OPTICAL MEMORY (DATA STORAGE)
       PRINTERS (DATA PROCESSING)
       RADAR DATA
       RECORDS
       SITE DATA PROCESSORS
       SPACE FLIGHT TRACKING AND DATA
       NETWORK
       STATISTICAL ANALYSIS
       STATISTICAL TESTS
     % STATISTICS
       TABLES (DATA)
       VIDEO DATA
       VOICE DATA PROCESSING
       WEATHER DATA RECORDERS
       WORLD DATA CENTERS

DATA ACQUISITION
  0702 0708 0803 1106 3405
  GS   ACQUISITION
       #DATA ACQUISITION
  RT   ADVANCED RANGE INSTRUMENTATION
       AIRCRAFT
       ALOUETTE PROJECT
       ANALOG TO DIGITAL CONVERTERS
       AUTOMATIC WEATHER STATIONS
       COUNTING
     % DATA
       DEEP SPACE INSTRUMENTATION FACILITY
       DETECTION
       EARTH OBSERVATIONS (FROM SPACE)
       END-TO-END DATA SYSTEMS
       FORMS (PAPER)
       GLOBAL TRACKING NETWORK
       GROUND STATIONS
       INFRARED RADIOMETERS
       METEOROLOGICAL RESEARCH AIRCRAFT
       NEEDS (DATA SYSTEM)
       NEWS MEDIA
       OBSERVATION
       OCEAN DATA ACQUISITIONS SYSTEMS
       OPTICAL DATA PROCESSING
       OPTICAL SCANNERS
       REMOTE SENSORS
     % SENSORS
       SPACE FLIGHT TRACKING AND DATA
       NETWORK
       STDN (NETWORK)
       SURVEYS
       TABLES (DATA)
       TRACKING NETWORKS

DATA ADAPTIVE EVALUATOR/MONITOR
  USE  DATA PROCESSING
       DATA REDUCTION
       DATA TRANSMISSION

DATA ANALYSIS
  USE  DATA PROCESSING
       DATA REDUCTION

DATA BASE MANAGEMENT SYSTEMS
  0702 4001
  RT % DATA
       DATA BASES
       DATA MANAGEMENT
       INFORMATION MANAGEMENT
       MANAGEMENT INFORMATION SYSTEMS
       SOFTWARE TOOLS
     % SYSTEMS

DATA BASES
  0803
  RT % BASES
       CD-ROM
     % DATA
       DATA BASE MANAGEMENT SYSTEMS
       DATA STRUCTURES
       KNOWLEDGE BASES (ARTIFICIAL
       INTELLIGENCE)
       SOFTWARE ENGINEERING

DATA BUSSES
  USE  CHANNELS (DATA TRANSMISSION)
```

```
DATA COLLECTION PLATFORMS
  1402 1404 1406 1407 1410 1411 1412
  2002
  RT    ARGOS SYSTEM
        AUTOMATIC WEATHER STATIONS
      % DATA
        GROUND STATIONS
        INSTRUMENT PACKAGES
        INTEGRATED GLOBAL OCEAN STATION
        SYSTEMS
        REMOTE SENSORS

DATA COMPACTION
  USE   DATA COMPRESSION

DATA COMPRESSION
  0701 0801
  UF    DATA COMPACTION
  RT    CURVE FITTING
      % DATA
        DECODING
        FOURIER ANALYSIS
        TELECOMMUNICATION
        TELEMETRY
        VECTOR QUANTIZATION

DATA CONVERSION ROUTINES
  0802
  GS   #DATA CONVERSION ROUTINES
        .SUBROUTINES
  RT    ALGORITHMS
        COMPILERS
        COMPUTER PROGRAMS
      % CONVERSION
      % DATA
      % ROUTINES

DATA CONVERTERS
  0701 0801
  GS   #DATA CONVERTERS
        .ANALOG TO DIGITAL CONVERTERS
        .BINARY TO DECIMAL CONVERTERS
        .DECIMAL TO BINARY CONVERTERS
        .DIGITAL TO ANALOG CONVERTERS
  RT    ANALOG CIRCUITS
        ANALOG DATA
        COMPUTERS
        CONVERSION TABLES
      % CONVERTERS
      % DATA
        DECODERS
        DIGITAL DATA
        TRANSDUCERS
        VIDEO DATA

DATA CORRELATION
  0803 1905
  GS    CORRELATION
        #DATA CORRELATION
        DATA PROCESSING
        #DATA CORRELATION
  RT    ANGULAR CORRELATION
        AUTOCORRELATION
        CROSS CORRELATION
      % DATA
        STATISTICAL ANALYSIS
        STATISTICAL CORRELATION
        TELECONNECTIONS (METEOROLOGY)
        TEMPERATURE RATIO

DATA FLOW ANALYSIS
  0802
  RT    COMPUTER PROGRAMS
        COMPUTER SYSTEMS PROGRAMS
        DATA SIMULATION
        DATA TRANSFER (COMPUTERS)
        FLOW CHARTS
        NETWORK ANALYSIS
        SEQUENTIAL CONTROL

DATA HANDLING SYSTEMS
  USE   DATA SYSTEMS

DATA INTEGRATION
  0708
  RT    DATA MANAGEMENT
        DATA SIMULATION

DATA LINKS
  0701 0801 0902
  GS    TELECOMMUNICATION
        #DATA LINKS
  RT    CHANNELS (DATA TRANSMISSION)
        COMMUNICATION NETWORKS
      % DATA
        DECOMMUTATORS
        DISCRETE ADDRESS BEACON SYSTEM
        FREQUENCY REUSE
        PROTOCOL (COMPUTERS)
        RADIO RECEIVERS
        RADIO RELAY SYSTEMS
        REMOTE CONSOLES
        SITE DATA PROCESSORS
        TELEMETRY
        VSAT (NETWORK)
        WIRELESS COMMUNICATION

DATA MANAGEMENT
  0703 0802 0803 3405 3406
  GS    MANAGEMENT
        #DATA MANAGEMENT
  RT  % DATA
        DATA BASE MANAGEMENT SYSTEMS
        DATA INTEGRATION
        DATA SIMULATION
        FRAMES (DATA PROCESSING)
        ON-LINE SYSTEMS
        RECORDS MANAGEMENT
        SURVEYS
        TABLES (DATA)
        VIRTUAL MEMORY SYSTEMS

DATA PROCESSING
  0708 0802 0803 4001
  SN    (LIMITED TO MECHANICAL OR
        ELECTRONIC MANIPULATION OF DATA)
  UF    AUTOMATIC DATA PROCESSING
        DAEMO (DATA ANALYSIS)
        DATA ADAPTIVE EVALUATOR/MONITOR
        DATA ANALYSIS
  GS   #DATA PROCESSING
        .ASSOCIATIVE PROCESSING (COMPUTERS)
        .BATCH PROCESSING
        .CENSORED DATA (MATHEMATICS)
        .CENTRAL ELECTRONIC MANAGEMENT
         SYSTEM
        .CONCURRENT PROCESSING
        .DATA CORRELATION
        .DATA REDUCTION
        ..DATA SMOOTHING
        .DATA RETRIEVAL
        .DATA STORAGE
        .DATA TRANSFER (COMPUTERS)
        .DISTRIBUTED PROCESSING
        .KARHUNEN-LOEVE EXPANSION
        .MULTIPROCESSING (COMPUTERS)
        .ONBOARD DATA PROCESSING
        .OPTICAL DATA PROCESSING
        ..SCENE ANALYSIS
        .PARALLEL PROCESSING (COMPUTERS)
        .PIPELINING (COMPUTERS)
        .SIGNAL ANALYSIS
        ..CEPSTRAL ANALYSIS
        .SIGNAL PROCESSING
        .VECTOR PROCESSING (COMPUTERS)
        .VOICE DATA PROCESSING
        ..CEPSTRAL ANALYSIS
  RT    ACCESS TIME
        ADJOINTS
        AIRBORNE/SPACEBORNE COMPUTERS
        ANALOG DATA
        ATMOSPHERIC & OCEANOGRAPHIC INFORM
        SYS
      % AUTOMATION
```

BINARY DATA
BINARY TO DECIMAL CONVERTERS
BUBBLE MEMORY DEVICES
CHANNELS (DATA TRANSMISSION)
COMPUTATION
COMPUTER INFORMATION SECURITY
COMPUTER PROGRAMS
COMPUTER SYSTEMS PROGRAMS
COMPUTERS
DATA STRUCTURES
DECIMAL TO BINARY CONVERTERS
DIGITAL COMPUTERS
DIGITAL DATA
EDITING
EDITING ROUTINES (COMPUTERS)
END-TO-END DATA SYSTEMS
FIXED POINT ARITHMETIC
FLOATING POINT ARITHMETIC
FRAMES (DATA PROCESSING)
IMAGE PROCESSING
INFORMATION RETRIEVAL
INFORMATION THEORY
INTERROGATION
LANGUAGE PROGRAMMING
MECHANIZATION
MICROPROCESSORS
NATURAL LANGUAGE (COMPUTERS)
NEEDS (DATA SYSTEM)
ON-LINE SYSTEMS
PERIPHERAL EQUIPMENT (COMPUTERS)
PREPROCESSING
% PROCESSING
PROTOCOL (COMPUTERS)
RCA COMPUTERS
RECORDS
RESPONSE TIME (COMPUTERS)
SITE DATA PROCESSORS
SYMBOLS
SYSTEMS ENGINEERING
TABLES (DATA)
TABULATION PROCESSES
TELECOMMUNICATION
WORD PROCESSING

DATA PROCESSING EQUIPMENT
0801
UF DATA PROCESSORS
GS #DATA PROCESSING EQUIPMENT
.COMPUTERS
..ANALOG COMPUTERS
...EAI 680 COMPUTER
...HONEYWELL 600/6000 COMPUTER
...SIGMA 5 COMPUTER
...UNIVAC 1100 SERIES COMPUTERS
..CDC COMPUTERS
...CDC CYBER 74 COMPUTER
...CDC CYBER 170 SERIES COMPUTERS
....CDC CYBER 175 COMPUTER
...CDC CYBER 174 COMPUTER
...CDC CYBER 203 COMPUTER
...CDC CYBER 205 COMPUTER
...CDC STAR 100 COMPUTER
...CDC 160-A COMPUTER
...CDC 1604 COMPUTER
...CDC 3100 COMPUTER
...CDC 3200 COMPUTER
...CDC 3600 COMPUTER
...CDC 3800 COMPUTER
...CDC 6000 SERIES COMPUTERS
....CDC 6400 COMPUTER
....CDC 6600 COMPUTER
....CDC 6700 COMPUTER
...CDC 7000 SERIES COMPUTERS
....CDC 7600 COMPUTER
...CDC 8090 COMPUTER
..COUNTING RATE COMPUTERS
..DDP COMPUTERS
...DDP 516 COMPUTER
..DIGITAL COMPUTERS
...CDC CYBER 74 COMPUTER
...CDC CYBER 170 SERIES COMPUTERS
...CDC CYBER 174 COMPUTER
...CDC CYBER 203 COMPUTER
...CDC CYBER 205 COMPUTER
...CDC STAR 100 COMPUTER
...CDC 160-A COMPUTER
...CDC 1604 COMPUTER
...CDC 3100 COMPUTER
...CDC 3200 COMPUTER
...CDC 3600 COMPUTER
...CDC 3800 COMPUTER
...CDC 6000 SERIES COMPUTERS
....CDC 6400 COMPUTER
....CDC 6600 COMPUTER
....CDC 6700 COMPUTER
...CDC 7000 SERIES COMPUTERS
....CDC 7600 COMPUTER
...CDC 8090 COMPUTER
...EAI 680 COMPUTER
...EAI 8400 COMPUTER
...EAI 8900 COMPUTER
...EMR 6050 COMPUTER
...FERRANTI MERCURY COMPUTER
...GE COMPUTERS
....GE 625 COMPUTER
....GE 635 COMPUTER
...HEWLETT-PACKARD COMPUTERS
...HONEYWELL COMPUTERS
....DDP 516 COMPUTER
....HONEYWELL ADEPT COMPUTER
....HONEYWELL DDP 116 COMPUTER
....HONEYWELL 600/6000 COMPUTER
...IBM 360 COMPUTER
...IBM 370 COMPUTER
...IBM 650 COMPUTER
...IBM 704 COMPUTER
...IBM 709 COMPUTER
...IBM 1130 COMPUTER
...IBM 1401 COMPUTER
...IBM 1410 COMPUTER
...IBM 1620 COMPUTER
...IBM 2250 COMPUTER
...IBM 7030 COMPUTER
...IBM 7040 COMPUTER
...IBM 7044 COMPUTER
...IBM 7070 COMPUTER
...IBM 7074 COMPUTER
...IBM 7090 COMPUTER
...IBM 7094 COMPUTER
...ICL COMPUTERS
...ILLIAC COMPUTERS
....ILLIAC 3 COMPUTER
....ILLIAC 4 COMPUTER
...MICROCOMPUTERS
....PERSONAL COMPUTERS
.....IBM PERSONAL COMPUTERS
.....MACINTOSH PERSONAL COMPUTERS
...MINICOMPUTERS
....NOVA COMPUTERS
...MODCOMP II COMPUTER
...MODCOMP IV COMPUTER
...PARALLEL COMPUTERS
....MASSIVELY PARALLEL PROCESSORS
.....CONNECTION MACHINE
....MIMD (COMPUTERS)
....SIMD (COMPUTERS)
...PDP COMPUTERS
....PDP 7 COMPUTER
....PDP 8 COMPUTER
....PDP 9 COMPUTER
....PDP 10 COMPUTER
....PDP 11 COMPUTER
....PDP 11/20 COMPUTER
....PDP 11/40 COMPUTER
....PDP 11/45 COMPUTER
....PDP 11/50 COMPUTER
....PDP 11/70 COMPUTER
....PDP 12 COMPUTER
...PDP 15 COMPUTER
...PHILCO 2000 COMPUTER
...RAYTHEON COMPUTERS
...RCA SPECTRA 70 COMPUTER
...SDS 900 SERIES COMPUTERS
....SDS 930 COMPUTER
...SDS 9300 COMPUTER

...SEL COMPUTERS
...SEQUENTIAL COMPUTERS
...SIGMA COMPUTERS
....SIGMA 9 COMPUTER
...SIGMA 5 COMPUTER
...SOLOMON COMPUTERS
...UNIVAC LARC COMPUTER
...UNIVAC 80 COMPUTER
...UNIVAC 418 COMPUTER
...UNIVAC 490 COMPUTER
...UNIVAC 494 COMPUTER
...UNIVAC 1100 SERIES COMPUTERS
....UNIVAC 1105 COMPUTER
....UNIVAC 1106 COMPUTER
....UNIVAC 1107 COMPUTER
....UNIVAC 1108 COMPUTER
....UNIVAC 1110 COMPUTER
...UNIVAC 1230 COMPUTER
...VAX COMPUTERS
....VAX-11 SERIES COMPUTERS
.....VAX-11/780 COMPUTER
..EMBEDDED COMPUTER SYSTEMS
...AIRBORNE/SPACEBORNE COMPUTERS
..HYBRID COMPUTERS
..HYPERCUBE MULTIPROCESSORS
..IBM COMPUTERS
...IBM PERSONAL COMPUTERS
...IBM 360 COMPUTER
...IBM 370 COMPUTER
...IBM 650 COMPUTER
...IBM 704 COMPUTER
...IBM 709 COMPUTER
...IBM 1130 COMPUTER
...IBM 1401 COMPUTER
...IBM 1410 COMPUTER
...IBM 1620 COMPUTER
...IBM 2250 COMPUTER
...IBM 7030 COMPUTER
...IBM 7040 COMPUTER
...IBM 7044 COMPUTER
...IBM 7070 COMPUTER
...IBM 7074 COMPUTER
...IBM 7090 COMPUTER
...IBM 7094 COMPUTER
..MINOS COMPUTER
..OPTICAL COMPUTERS
..PEGASUS COMPUTER
..RCA COMPUTERS
...RCA SPECTRA 70 COMPUTER
...RCA-110 COMPUTERS
..SIEMENS 2002 COMPUTER
..SITE DATA PROCESSORS
..SUPERCOMPUTERS
...CONNECTION MACHINE
...CRAY COMPUTERS
..TRANSPUTERS
..UNIVAC COMPUTERS
...UNIVAC LARC COMPUTER
...UNIVAC 80 COMPUTER
...UNIVAC 418 COMPUTER
...UNIVAC 490 COMPUTER
...UNIVAC 494 COMPUTER
...UNIVAC 1100 SERIES COMPUTERS
....UNIVAC 1105 COMPUTER
....UNIVAC 1106 COMPUTER
....UNIVAC 1107 COMPUTER
....UNIVAC 1108 COMPUTER
....UNIVAC 1110 COMPUTER
...UNIVAC 1230 COMPUTER
.DATA PROCESSING TERMINALS
..VSAT (NETWORK)
.MICROPROCESSORS
..INTEL 8080 MICROPROCESSOR
.PERIPHERAL EQUIPMENT (COMPUTERS)
..PRINTERS (DATA PROCESSING)
..REMOTE CONSOLES
RT BATCH PROCESSING
COMPUTER COMPATIBLE TAPES
COMPUTER SYSTEMS SIMULATION
CONTROL UNITS (COMPUTERS)
% DATA
DIGITAL RADAR SYSTEMS
% EQUIPMENT
INTERFACES
MULTIPROCESSING (COMPUTERS)
OPTICAL DATA PROCESSING
PIPELINING (COMPUTERS)
PRINTERS
SIMULATION

DATA PROCESSING TERMINALS
0801
GS DATA PROCESSING EQUIPMENT
#DATA PROCESSING TERMINALS
..VSAT (NETWORK)
RT COMPUTER GRAPHICS
CONSOLES
% DATA
HUMAN-COMPUTER INTERFACE
MAN MACHINE SYSTEMS
REMOTE CONSOLES
% TERMINALS

DATA PROCESSORS
USE DATA PROCESSING EQUIPMENT

DATA READOUT SYSTEMS
USE DATA SYSTEMS
DISPLAY DEVICES

DATA RECORDERS
0801 0803 0905
RT BUBBLE MEMORY DEVICES
BUBBLE TECHNIQUE
COUNTERS
% DATA
DISPLAY DEVICES
MONITORS
PUNCHED CARDS
% RECORDERS
RECORDING INSTRUMENTS
TAPE RECORDERS
VIDEO DISKS

DATA RECORDING
0802 0803 1106
GS RECORDING
#DATA RECORDING
RT BUBBLE MEMORY DEVICES
% DATA
MAGNETIC RECORDING
MAGNETIC STORAGE
OPTICAL DATA STORAGE MATERIALS
PHOTOGRAPHIC RECORDING
PUNCHED CARDS
PUNCHED TAPES
RECORDING HEADS
RECORDS
TABLES (DATA)
TABULATION PROCESSES
VIDEO DISKS

DATA REDUCTION
0802 0803 1905 0708
UF DAEMO (DATA ANALYSIS)
DATA ADAPTIVE EVALUATOR/MONITOR
DATA ANALYSIS
TARE (DATA REDUCTION)
GS DATA PROCESSING
#DATA REDUCTION
..DATA SMOOTHING
RT COMPUTATION
% DATA
EDITING
PREPROCESSING
% REDUCTION
TABLES (DATA)

DATA RETRIEVAL
0802 0803 0708
GS DATA PROCESSING
#DATA RETRIEVAL
RETRIEVAL
#DATA RETRIEVAL
RT % DATA

```
        DATA TRANSFER (COMPUTERS)
        DOCUMENTATION
        INFORMATION MANAGEMENT
        INFORMATION RETRIEVAL
        INTERSERVICE DATA EXCHANGE PROGRAM
        LIBRARIES
        MANAGEMENT INFORMATION SYSTEMS
        MICROFILMS
        SEARCH PROFILES
        TABLES (DATA)
        TELEMETRY
        WORLD DATA CENTERS

DATA SAMPLING
  0802 1905
  GS    SAMPLING
        #DATA SAMPLING
  RT    COMPUTER SYSTEMS PERFORMANCE
     % DATA
        QUALITY CONTROL
        SAMPLED DATA SYSTEMS
        TELECOMMUNICATION
        TIME SERIES ANALYSIS

DATA SIMULATION
  0708
  RT    DATA FLOW ANALYSIS
        DATA INTEGRATION
        DATA MANAGEMENT
        SIMULATION

DATA SMOOTHING
  0802 1902 1905 0708
  GS    DATA PROCESSING
        .DATA REDUCTION
        .#DATA SMOOTHING
        RECORDING
        #DATA SMOOTHING
        SMOOTHING
        #DATA SMOOTHING
  RT    CURVE FITTING
     % DATA

DATA STORAGE
  0802 0803
  GS    DATA PROCESSING
        #DATA STORAGE
  RT    BUBBLE MEMORY DEVICES
        BUFFER STORAGE
        CARDS
        CORE STORAGE
     % DATA
        DATA TRANSFER (COMPUTERS)
        DOCUMENT STORAGE
        FLIP-FLOPS
        HOLOGRAPHY
        INFORMATION MANAGEMENT
        INTERSERVICE DATA EXCHANGE PROGRAM
        MAGNETIC STORAGE
        MANAGEMENT INFORMATION SYSTEMS
        MICROFILMS
        MICROPHOTOGRAPHS
        OPTICAL DATA STORAGE MATERIALS
        OPTICAL DISKS
        PUNCHED CARDS
        SELECTIVE DISSEMINATION OF
        INFORMATION
     % STORAGE
        VIDEO DISKS
        VIRTUAL MEMORY SYSTEMS
        WHITE LIGHT HOLOGRAPHY
        WORLD DATA CENTERS

DATA STRUCTURES
  0803
  RT    COMPUTER PROGRAMMING
        DATA BASES
        DATA PROCESSING
        KNOWLEDGE BASED SYSTEMS
        STRUCTURED PROGRAMMING

DATA SYSTEMS
  0702 0708 0803 1003
  UF    DATA HANDLING SYSTEMS
        DATA READOUT SYSTEMS
  GS   #DATA SYSTEMS
        .AIR DATA SYSTEMS
        .NEEDS (DATA SYSTEM)
  RT    ATMOSPHERIC & OCEANOGRAPHIC INFORM
        SYS
        CONTROL DATA (COMPUTERS)
     % DATA
        DATA TRANSFER (COMPUTERS)
        DIGITAL SYSTEMS
        EARTH RESOURCES INFORMATION SYSTEM
        END-TO-END DATA SYSTEMS
        GEOGRAPHIC INFORMATION SYSTEMS
        MANAGEMENT INFORMATION SYSTEMS
     % SYSTEMS

DATA TRANSFER (COMPUTERS)
  0801 0803
  GS    DATA PROCESSING
        #DATA TRANSFER (COMPUTERS)
  RT    COMPUTER PROGRAMS
        DATA FLOW ANALYSIS
        DATA RETRIEVAL
        DATA STORAGE
        DATA SYSTEMS
        DATA TRANSMISSION

DATA TRANSMISSION
  0702 0708 0802 0803
  UF    DAEMO (DATA ANALYSIS)
        DATA ADAPTIVE EVALUATOR/MONITOR
        INFORMATION TRANSMISSION
  GS    TRANSMISSION
        .SIGNAL TRANSMISSION
        .#DATA TRANSMISSION
        ...AUTOMATIC PICTURE TRANSMISSION
        ...MULTIPLE ACCESS
        ....ALOHA SYSTEM
        ....CODE DIVISION MULTIPLE ACCESS
        ....FREQUENCY DIVISION MULTIPLE
            ACCESS
        ...PACKET TRANSMISSION
        ....ALOHA SYSTEM
        ...SINGLE CHANNEL PER CARRIER
           TRANSMISSION
  RT    ACCESS CONTROL
        ARGOS SYSTEM
        AUDIO DATA
        AUTOMATIC REPEAT REQUEST
        CARRIER TO NOISE RATIOS
        CHANNELS (DATA TRANSMISSION)
        CODE DIVISION MULTIPLEXING
        CODING
        COMMUNICATION THEORY
        CONCATENATED CODES
     % DATA
        DATA TRANSFER (COMPUTERS)
        DEEP SPACE INSTRUMENTATION FACILITY
        ELECTRONIC MAIL
        FM/PM (MODULATION)
        FREQUENCY DIVISION MULTIPLEXING
        INFORMATION THEORY
        INTERSYMBOLIC INTERFERENCE
        LASER APPLICATIONS
        LOCAL AREA NETWORKS
        MODEMS
        MULTIPLEXING
        PACKET SWITCHING
        PACKETS (COMMUNICATION)
        PROTOCOL (COMPUTERS)
        PULSE COMMUNICATION
        RADIO TELEMETRY
        RADIO TRANSMISSION
        READING
        REDUNDANCY ENCODING
        SATELLITE TRANSMISSION
        SHIP TO SHORE COMMUNICATION
        TDR SATELLITES
        TELECOMMUNICATION
        TELEMETRY
        TRANSMISSION EFFICIENCY
```

```
        TRANSMISSION RATE (COMMUNICATIONS)
        VIDEO DATA
        VSAT (NETWORK)
        WIRELESS COMMUNICATION

DATA VISUALIZATION
  USE   SCIENTIFIC VISUALIZATION

DATING
  USE   CHRONOLOGY
        TIME MEASUREMENT

DATUM (ELEVATION)
  1303
  RT    CLEARANCES
        CONTOURS
      % DATA
        ELEVATION ANGLE
        HYPSOGRAPHY
        LEVELING
        MAPS
        SURVEYS

DAWN CHORUS
  0704 1301 1302
  UF    CHORUS (DAWN PHENOMENON)
        CHORUS PHENOMENON
  GS    ATMOSPHERIC RADIATION
        #DAWN CHORUS
        ELECTROMAGNETIC INTERFERENCE
        .RADIO FREQUENCY INTERFERENCE
        ..ELECTROMAGNETIC NOISE
        ...ATMOSPHERICS
        ....IONOSPHERICS
        ....#DAWN CHORUS
  RT    AURORAS
        MAGNETIC STORMS
        WHISTLERS

DAWSONITE
  1306
  GS    MINERALS
        #DAWSONITE
  RT    ALUMINUM
        SODIUM
        SODIUM CARBONATES

DAYGLOW
  0605 1302 2306 2402 2901 2902 2903
  GS    ATMOSPHERIC RADIATION
        .SKY RADIATION
        .#DAYGLOW
        ELECTROMAGNETIC RADIATION
        .LIGHT (VISIBLE RADIATION)
        ..SKY RADIATION
        ..#DAYGLOW
  RT    GLARE
        LIGHT SOURCES
        SKY
        SOLAR RADIATION
        TWILIGHT GLOW
        ULTRAVIOLET RADIATION

DAYTIME
  0404 1308 1406 1901
  RT    DIURNAL VARIATIONS
        EVENING
        MORNING
        NIGHT
        NOON
        SKY BRIGHTNESS

DBR LASERS
  1601
  UF    DISTRIBUTED BRAGG REFLECTOR LASERS
  GS    ELECTRONIC EQUIPMENT
        .SOLID STATE DEVICES
        ..SOLID STATE LASERS
        ..#DBR LASERS
        STIMULATED EMISSION DEVICES
        .LASERS
        ..SOLID STATE LASERS
        ..#DBR LASERS
  RT    BRAGG ANGLE
        DISTRIBUTED FEEDBACK LASERS
        SEMICONDUCTOR LASERS
        TUNABLE LASERS

DBS (SATELLITES)
  USE   DIRECT BROADCAST SATELLITES

DC (CURRENT)
  USE   DIRECT CURRENT

DC GENERATORS
  0302 0904
  UF    DIRECT CURRENT GENERATORS
  GS    ELECTRIC GENERATORS
        .DIRECT POWER GENERATORS
        .#DC GENERATORS
  RT %  GENERATORS
        ROTATING GENERATORS

DC 3 AIRCRAFT
  0204 0207
  UF    DOUGLAS DC-3 AIRCRAFT
  GS    COMMERCIAL AIRCRAFT
        #DC 3 AIRCRAFT
        MCDONNELL DOUGLAS AIRCRAFT
        .DOUGLAS AIRCRAFT
        .#DC 3 AIRCRAFT
        MONOPLANES
        #DC 3 AIRCRAFT
        TRANSPORT AIRCRAFT
        .CARGO AIRCRAFT
        .#DC 3 AIRCRAFT
  RT %  AIRCRAFT

DC 7 AIRCRAFT
  0204 0207
  UF    DOUGLAS DC-7 AIRCRAFT
  GS    COMMERCIAL AIRCRAFT
        #DC 7 AIRCRAFT
        MCDONNELL DOUGLAS AIRCRAFT
        .DOUGLAS AIRCRAFT
        .#DC 7 AIRCRAFT
        MONOPLANES
        #DC 7 AIRCRAFT
        TRANSPORT AIRCRAFT
        .CARGO AIRCRAFT
        .#DC 7 AIRCRAFT
  RT %  AIRCRAFT
        PASSENGER AIRCRAFT

DC 8 AIRCRAFT
  0204
  UF    DOUGLAS DC-8 AIRCRAFT
  GS    COMMERCIAL AIRCRAFT
        #DC 8 AIRCRAFT
        JET AIRCRAFT
        .TURBOFAN AIRCRAFT
        .#DC 8 AIRCRAFT
        MCDONNELL DOUGLAS AIRCRAFT
        .DOUGLAS AIRCRAFT
        .#DC 8 AIRCRAFT
        MONOPLANES
        #DC 8 AIRCRAFT
        PASSENGER AIRCRAFT
        #DC 8 AIRCRAFT
        TRANSPORT AIRCRAFT
        #DC 8 AIRCRAFT
  RT %  AIRCRAFT

DC 9 AIRCRAFT
  0201 0204
  UF    DOUGLAS DC-9 AIRCRAFT
  GS    COMMERCIAL AIRCRAFT
        #DC 9 AIRCRAFT
        JET AIRCRAFT
        #DC 9 AIRCRAFT
        MCDONNELL DOUGLAS AIRCRAFT
        .DOUGLAS AIRCRAFT
        .#DC 9 AIRCRAFT
        TRANSPORT AIRCRAFT
        #DC 9 AIRCRAFT
```

```
  RT % AIRCRAFT

DC 10 AIRCRAFT
  0204
  GS   COMMERCIAL AIRCRAFT
       #DC 10 AIRCRAFT
       JET AIRCRAFT
       #DC 10 AIRCRAFT
       MCDONNELL DOUGLAS AIRCRAFT
       .DOUGLAS AIRCRAFT
       .#DC 10 AIRCRAFT
       .MCDONNELL AIRCRAFT
       .#DC 10 AIRCRAFT
       PASSENGER AIRCRAFT
       #DC 10 AIRCRAFT
       TRANSPORT AIRCRAFT
       #DC 10 AIRCRAFT
  RT % AIRCRAFT
       TURBOFAN ENGINES

DDP COMPUTERS
  0801
  GS   DATA PROCESSING EQUIPMENT
       .COMPUTERS
       .#DDP COMPUTERS
       ...DDP 516 COMPUTER
  RT   DIGITAL COMPUTERS

DDP 516 COMPUTER
  0801
  GS   DATA PROCESSING EQUIPMENT
       .COMPUTERS
       ..DDP COMPUTERS
       ..#DDP 516 COMPUTER
       ..DIGITAL COMPUTERS
       ...HONEYWELL COMPUTERS
       ...#DDP 516 COMPUTER

DDT
  1808 1808
  UF   DICHLORODIPHENYLTRICHLOROETHANE
  GS   HALOGEN COMPOUNDS
       .CHLORINE COMPOUNDS
       .#DDT

DE BROGLIE WAVELENGTHS
  2402 2403
  GS   WAVELENGTHS
       #DE BROGLIE WAVELENGTHS
  RT   ELEMENTARY PARTICLES
       MASS
       MOMENTUM
       PLANCKS CONSTANT
       QUANTUM THEORY
       VELOCITY
       WENTZEL-KRAMER-BRILLOUIN METHOD

DE HAVILLAND AIRCRAFT
  0204
  GS  #DE HAVILLAND AIRCRAFT
       .COMET 4 AIRCRAFT
       .DH 112 AIRCRAFT
       .DH 115 AIRCRAFT
       .DH 121 AIRCRAFT
       .DH 125 AIRCRAFT
       .DHC 2 AIRCRAFT
       .DHC 4 AIRCRAFT
       .DHC 5 AIRCRAFT
  RT % AIRCRAFT

DE HAVILLAND DH 106 AIRCRAFT
  USE  COMET 4 AIRCRAFT

DE HAVILLAND DH 112 AIRCRAFT
  USE  DH 112 AIRCRAFT

DE HAVILLAND DH 115 AIRCRAFT
  USE  DH 115 AIRCRAFT

DE HAVILLAND DH 121 AIRCRAFT
  USE  DH 121 AIRCRAFT

DE HAVILLAND DH 125 AIRCRAFT
  USE  DH 125 AIRCRAFT

DE HAVILLAND DHC 4 AIRCRAFT
  USE  DHC 4 AIRCRAFT

DE HAVILLAND DHC 5 AIRCRAFT
  USE  DHC 5 AIRCRAFT

DE HAVILLAND VENOM AIRCRAFT
  USE  DH 112 AIRCRAFT

DE LAVAL NOZZLES
  USE  CONVERGENT-DIVERGENT NOZZLES

DEACCLIMATIZATION
  USE  ACCLIMATIZATION

DEACTIVATION
  3302 3401
  UF   INACTIVATION
  RT   ACTIVATION
       PASSIVITY
       POLARIZATION (CHARGE SEPARATION)
       POLARIZATION (SPIN ALIGNMENT)
       SABOTAGE
       SHUTDOWNS

DEAD RECKONING
  2103
  GS   NAVIGATION
       #DEAD RECKONING
  RT   AIR NAVIGATION
       DIGITAL NAVIGATION
       DOPPLER NAVIGATION
       INERTIAL NAVIGATION
       POLAR NAVIGATION
       RADAR NAVIGATION
       RADIO NAVIGATION
       SURFACE NAVIGATION

DEADWEIGHT
  USE  STATIC LOADS

DEAFNESS
  USE  AUDITORY DEFECTS

DEATH
  0404 0408
  RT   CASUALTIES
       EXPIRATION
       INJURIES
       LIFE SPAN
       MORTALITY

DEATH VALLEY (CA)
  1305
  GS   LANDFORMS
       #DEATH VALLEY (CA)
       VALLEYS
       #DEATH VALLEY (CA)
  RT   ARID LANDS
       CALIFORNIA
       DESERTIFICATION
       DESERTS
       RIVER BASINS

DEBONAIR AIRCRAFT
  USE  C-33 AIRCRAFT

DEBONDING (MATERIALS)
  3407
  SN   (LIMITED TO THE SEPARATION OF
       BONDED MATERIALS; NOT TO BE USED
       FOR THE BREAKUP OF
       ATOMIC/MOLECULAR BONDS)
  RT   ANODIC STRIPPING
       BONDING
       DELAMINATING
       FIBER COMPOSITES
       LAMINATES
       MATRIX MATERIALS
       PEELING
```

REINFORCING FIBERS
% SEPARATION

DEBRIS
0411 0505 3009
GS #DEBRIS
.SPACE DEBRIS
RT EJECTA
ENVIRONMENT EFFECTS
FRAGMENTS
GLACIAL DRIFT
POLLUTION
% RADIOACTIVE DEBRIS
SCRAP
WASTES

DEBUGGING
USE CHECKOUT

DEBYE LENGTH
2301 2402 3304
GS DISTANCE
#DEBYE LENGTH
RT PLASMAS (PHYSICS)

DEBYE TEMPERATURE
USE SPECIFIC HEAT

DEBYE-HUCKEL THEORY
0603 0604
RT DISSOCIATION
ELECTROLYTES
PLASMA POTENTIALS
% THEORIES

DEBYE-SCHERRER METHOD
2601 2603
RT CRYSTALLOGRAPHY
DIFFRACTION
% METHODOLOGY

DECAMETRIC WAVES
0705 2903
GS ELECTROMAGNETIC RADIATION
.RADIO WAVES
.#DECAMETRIC WAVES
RT CORONAL HOLES
HIGH FREQUENCIES
VERY HIGH FREQUENCIES

DECARBONATION
0403 0602
GS CHEMICAL REACTIONS
#DECARBONATION
RT CARBONIZATION

DECARBOXYLATION
0403 0602
GS CHEMICAL REACTIONS
#DECARBOXYLATION
RT CARBOXYLATION

DECARBURIZATION
0602
RT CARBON
CARBURIZING
HEATING
METAL WORKING

DECAY
0404 0710 2311 2403 2405 2406
GS #DECAY
.NEUTRON DECAY
.PLASMA DECAY
.RADIOACTIVE DECAY
..ALPHA DECAY
..NEUTRON EMISSION
.SPACECRAFT GLOW
.WEAK ENERGY INTERACTIONS
..WEAK INTERACTIONS (FIELD THEORY)
RT BETA PARTICLES
BIODEGRADABILITY
BIODEGRADATION
DAMAGE
DEGRADATION
DETERIORATION
DISINTEGRATION
EMISSION
GAMMA RAYS
HALF LIFE
HOT ATOMS
NUCLEAR FISSION
RADIATIVE LIFETIME

DECAY RATES
2401 2403 2404 2406
GS RATES (PER TIME)
#DECAY RATES
..ELECTRON DECAY RATE

DECCA NAVIGATION
0705 2104
GS NAVIGATION
.RADIO NAVIGATION
..HYPERBOLIC NAVIGATION
..#DECCA NAVIGATION
RT DISTANCE MEASURING EQUIPMENT
LORAN
LORAN C
LORAN D
NAVIGATION AIDS
SHORAN
SOLAR COMPASSES
SURFACE NAVIGATION

DECELERATION
0201 0408 2308 2403 3201
GS RATES (PER TIME)
.ACCELERATION (PHYSICS)
.#DECELERATION
...SPIN REDUCTION
RT ANGULAR ACCELERATION
BRAKING
DAMPING
IMPACT
IMPACT ACCELERATION
LANDING LOADS
PHYSIOLOGICAL ACCELERATION
% REDUCTION
RETARDING
RETROFIRING
RETROTHRUST
STOPPING
TAPERING
THRUST REVERSAL

DECELERATORS
USE BRAKES (FOR ARRESTING MOTION)

DECEPTION
3406
RT AIR DEFENSE
CHAFF
ELECTRONIC COUNTERMEASURES
ELECTRONIC WARFARE
OPTICAL COUNTERMEASURES
SIMULATION

DECIDUOUS TREES
0409
GS PLANTS (BOTANY)
.TREES (PLANTS)
.#DECIDUOUS TREES
RT CONIFERS
EARTH RESOURCES
FOLIAGE
FORESTS
LEAVES
TIMBER IDENTIFICATION

DECIMAL TO BINARY CONVERTERS
0802 1902
GS DATA CONVERTERS
#DECIMAL TO BINARY CONVERTERS
RT BINARY DATA

```
        BINARY TO DECIMAL CONVERTERS
        COMPUTER COMPONENTS
        DATA PROCESSING

DECIMALS
  1902
  RT    DIGITS
        NUMBER THEORY
      % NUMBERS

DECIMETER WAVES
  0705 2309 2402 2903
  GS    ELECTROMAGNETIC RADIATION
        .RADIO WAVES
        ..SHORT WAVE RADIATION
        ...MICROWAVES
        ...#DECIMETER WAVES
  RT    MILLIMETER WAVES
        PLANETARY RADIATION
        SOLAR RADIO EMISSION
        ULTRAHIGH FREQUENCIES

DECISION ELEMENTS
  USE   LOGICAL ELEMENTS

DECISION MAKING
  0410 0802 0804 3402 3406 4001
  RT    COGNITION
        COMMAND AND CONTROL
        CONTRACT MANAGEMENT
        CONTRACT NEGOTIATION
        DECISIONS
        ECONOMY
        JUDGMENTS
        MANAGEMENT
        MANAGEMENT METHODS
        MANAGEMENT PLANNING
        PROBLEM SOLVING
        STARSITE PROGRAM
        SYSTEMS ENGINEERING
        TRADEOFFS

DECISION THEORY
  0410 0802 1905 3402 4001
  GS   #DECISION THEORY
        .STATISTICAL DECISION THEORY
  RT    DYNAMIC PROGRAMMING
        EXPECTATION
        GAME THEORY
        INFORMATION THEORY
        MARTINGALES
        MATHEMATICAL MODELS
        OPERATIONS RESEARCH
        PROBABILITY THEORY
        RECOMMENDATIONS
        RISK
        SCHEDULING
        STATISTICAL ANALYSIS
        STOCHASTIC PROCESSES
        STRATEGY
      % SYNTHESIS
        SYSTEMS ENGINEERING
      % THEORIES

DECISIONS
  0410 0802 3402 3406 4001
  RT % COMMANDS
        CONTRACT MANAGEMENT
        DECISION MAKING
        JUDGMENTS
        LOGIC CIRCUITS
        MANAGEMENT
        PROCUREMENT POLICY
        PROJECT PLANNING
        SELECTION

DECKS (FLOORS)
  USE   FLOORS

DECLINATION
  1303 1901 2103
  RT    MAPPING
        NAVIGATION

DECODERS
  0701 0702 0801 0802
  GS   #DECODERS
        .VITERBI DECODERS
  RT    BCH CODES
        CODERS
        DATA CONVERTERS
        DECODING
        DEMODULATORS
        REED-SOLOMON CODES
      % TRANSLATORS

DECODING
  0503 0702 0708 0802
  GS    CODING
        #DECODING
  RT    BCH CODES
        CONCATENATED CODES
        CRYPTOGRAPHY
        DATA COMPRESSION
        DECODERS
        DEMODULATION
        DICTIONARIES
      % INTERPRETATION
        TRANSLATING
        VITERBI DECODERS

DECOMMISSIONING
  0505
  RT    RADIOACTIVE WASTES
        UNDERGROUND STORAGE

DECOMMUTATORS
  0701 0702 0708
  GS    COMMUTATORS
        #DECOMMUTATORS
  RT    DATA LINKS
        DEMODULATORS
        DIFFERENTIAL PULSE CODE MODULATION
        ELECTRIC MOTORS
      % GENERATORS
        PULSE CODE MODULATION
        TELEMETRY

DECOMPOSITION
  0404 0602 3407
  GS   #DECOMPOSITION
        .AMMONOLYSIS
        .CRACKING (CHEMICAL ENGINEERING)
        ..HYDROCRACKING
        ..PYROLYSIS
        .GLYCOLYSIS
        .HYDROGENOLYSIS
        ..HYDROCRACKING
        .NITROLYSIS
        .PHOTODECOMPOSITION
        .PHOTODISSOCIATION
        .PHOTOLYSIS
        .PROPELLANT DECOMPOSITION
        .RADIOLYSIS
        .THERMAL DECOMPOSITION
        ..PYROLYSIS
  RT    ABLATION
        BIODEGRADABILITY
        BIODEGRADATION
        CHARRING
        DAMAGE
        DEGRADATION
        DETERIORATION
        DISINTEGRATION
        DISSOCIATION
        ELECTROLYSIS
        LATERITES
        OVERVOLTAGE
        STORAGE STABILITY
        THERMAL DISSOCIATION

DECOMPRESSION
  USE   PRESSURE REDUCTION

DECOMPRESSION SICKNESS
```

```
  0401 0405 0408
  UF   BENDS (PHYSIOLOGY)
  GS   SICKNESSES
       #DECOMPRESSION SICKNESS
  RT   AEROEMBOLISM
       ALTITUDE SICKNESS
       BAROTRAUMA
       DIVING (UNDERWATER)

DECONDITIONING
  3407
  GS   BEHAVIOR
       #DECONDITIONING
  RT   LEARNING
       REFLEXES

DECONGESTANTS
  0403 0405 1808
  GS   DRUGS
       #DECONGESTANTS
  RT   ANTIHISTAMINICS

DECONTAMINATION
  0411 0504 0505 0602
  GS  #DECONTAMINATION
       .SPACECRAFT STERILIZATION
  RT   AIR PURIFICATION
       ANTISEPTICS
       CARBON DIOXIDE CONCENTRATION
       CARBON DIOXIDE REMOVAL
       CLEANING
       CONTAMINANTS
       CONTAMINATION
       DEWAXING
       DISPOSAL
       DISSIPATION
       ELIMINATION
       ETHYLENE OXIDE
       EXHAUSTING
       EXTENSIONS
     % FOOD
       POLLUTION
       PURGING
       PURIFICATION
       PURITY
     % REDUCTION
     % SEPARATION
       SPACECRAFT CONTAMINATION
       STERILIZATION
       STERILIZATION EFFECTS
       WASHING

DECOUPLING
  3407
  GS  #DECOUPLING
       .SPIN DECOUPLING
  RT   COUPLING
       DISCONNECT DEVICES
       GRAVITINOS
       RELEASING

DECOYS
  3101 3105 3401
  GS  #DECOYS
       .BALLISTIC MISSILE DECOYS
       .BLUE GOOSE MISSILE
       .QUAIL MISSILE
       .REENTRY DECOYS
  RT   COUNTERMEASURES
       DUMMIES

DECREMENTING
  USE  REDUCTION

DEDUCTION
  3406
  RT   DERIVATION
       INFERENCE

DEEP DRAWING
  1704
  RT   BULGING
       COLD DRAWING
       COLD WORKING
       EXPLOSIVE FORMING
       MAGNETIC FORMING
       METAL WORKING
       STRETCHING

DEEP SCATTERING LAYERS
  1310 2301
  RT   ACOUSTIC SCATTERING
       ECHO SOUNDING
     % LAYERS
       OCEANOGRAPHY
       ORGANISMS
       SCATTERING
       SOUND WAVES
       UNDERWATER ACOUSTICS

DEEP SPACE
  3009 3110
  GS   ENVIRONMENTS
       .AEROSPACE ENVIRONMENTS
       .#DEEP SPACE
       ...INTERPLANETARY SPACE
       ...INTERSTELLAR SPACE
       .EXTRATERRESTRIAL ENVIRONMENTS
       .#DEEP SPACE
       ...INTERPLANETARY SPACE
       ...INTERSTELLAR SPACE
  RT   CISLUNAR SPACE
       FRICTIONLESS ENVIRONMENTS
       LONG DURATION SPACE FLIGHT
     % SPACE

DEEP SPACE INSTRUMENTATION FACILITY
  0703 0705 0706 0708 0709 0803
  UF   DSIF (INSTRUMENTATION FACILITY)
  GS   STATIONS
       .GROUND STATIONS
       .#DEEP SPACE INSTRUMENTATION
         FACILITY
       .TRACKING STATIONS
       .#DEEP SPACE INSTRUMENTATION
         FACILITY
  RT   DATA ACQUISITION
       DATA TRANSMISSION
       RADIO CONTROL

DEEP SPACE NETWORK
  0709 1109
  UF   DSN (SPACE NETWORK)
  GS   COMMUNICATION NETWORKS
       #DEEP SPACE NETWORK
       TRACKING NETWORKS
       #DEEP SPACE NETWORK
  RT % NETWORKS
       SPACECRAFT TRACKING

DEEP WATER
  0505 1204 1308 1310 1804 2003
  GS   WATER
       #DEEP WATER
  RT   OCEAN BOTTOM
       OCEANOGRAPHY
       OCEANS
       SEAS

DEEP WELL INJECTION (WASTES)
  0602
  GS   INJECTION
       .FLUID INJECTION
       ..LIQUID INJECTION
       ..#DEEP WELL INJECTION (WASTES)
  RT   WASTE DISPOSAL

DEEPWATER TERMINALS
  1102 1305 1310 3404
  RT   ARTIFICIAL HARBORS
       CARGO SHIPS
       MARINE TECHNOLOGY
       MARINE TRANSPORTATION
       OCEANOGRAPHY
       OFFSHORE DOCKING
```

```
        OFFSHORE ENERGY SOURCES
        OFFSHORE PLATFORMS
        SHIP TERMINALS
        TANKER SHIPS
        TANKER TERMINALS
      % TANKERS
        TERMINAL FACILITIES
        TRANSPORTATION

DEER
  0402 0404
  GS    ANIMALS
        .VERTEBRATES
        ..MAMMALS
        ..#DEER
        ....CARIBOUS
  RT    GRAZING
        LIVESTOCK

DEFECTS
  1505 1704 2601 2603 3406
  UF    FLAWS
        IMPERFECTIONS
  GS   #DEFECTS
        .AUDITORY DEFECTS
        .CRYSTAL DEFECTS
        ..CRYSTAL DISLOCATIONS
        ...EDGE DISLOCATIONS
        ...SCREW DISLOCATIONS
        ..POINT DEFECTS
        ...VACANCIES (CRYSTAL DEFECTS)
        ....FRENKEL DEFECTS
        .HYPEROPIA
        .INCLUSIONS
        .SPEECH DEFECTS
        .SURFACE DEFECTS
  RT    CASTINGS
        CAVITIES
        CRACKS
        CUMULATIVE DAMAGE
        DAMAGE
        INHOMOGENEITY
        IRREGULARITIES
        LEAKAGE
        PINHOLES
        POROSITY
        SCORING
        VIGNETTING
        VOIDS
        X RAY ANALYSIS

DEFENDER PROJECT
  3401 3409
  GS    PROGRAMS
        .PROJECTS
        .#DEFENDER PROJECT

% DEFENSE
  3401
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    AIR DEFENSE
        ANTIMISSILE DEFENSE
        CIVIL DEFENSE
        DEFENSE COMMUNICATIONS SATELLITE
        SYSTEM
        DEFENSE COMMUNICATIONS SYSTEM (DCS)
        DEFENSE INDUSTRY
        DEFENSE PROGRAM
        DMSP SATELLITES
        MISSILE DEFENSE
        PHYSIOLOGICAL DEFENSES

DEFENSE COMMUNICATIONS SATELLITE SYSTEM
  0702 3401
  GS    TELECOMMUNICATION
        #DEFENSE COMMUNICATIONS SATELLITE
         SYSTEM
        ..FLEET SATELLITE COMMUNICATION
          SYSTEM
  RT    COMMUNICATION SATELLITES
      % DEFENSE
        RADIO RELAY SYSTEMS
        SPACE COMMUNICATION
      % SYSTEMS

DEFENSE COMMUNICATIONS SYSTEM (DCS)
  0702 3401
  GS    TELECOMMUNICATION
        #DEFENSE COMMUNICATIONS SYSTEM
         (DCS)
  RT    COMMUNICATION NETWORKS
      % DEFENSE
        MILITARY TECHNOLOGY
      % SYSTEMS

DEFENSE INDUSTRY
  3401 3402
  GS    INDUSTRIES
        #DEFENSE INDUSTRY
        ..WEAPONS INDUSTRY
  RT    ANTIMISSILE DEFENSE
      % DEFENSE
        MILITARY TECHNOLOGY
        MISSILE DEFENSE

DEFENSE METEOROLOGICAL SATELLITE PROGRAM
  USE   DMSP SATELLITES

DEFENSE PROGRAM
  3401
  GS    PROGRAMS
        #DEFENSE PROGRAM
  RT    AIR DEFENSE
        ANTIMISSILE DEFENSE
        ARMED FORCES (UNITED STATES)
        CIVIL DEFENSE
      % DEFENSE
        DMSP SATELLITES
        MILITARY TECHNOLOGY
        MISSILE DEFENSE
        SPACE TRANSPORTATION SYSTEM
        WEAPONS DELIVERY

DEFINITION
  1406 1902 2311
  RT    ACCURACY
        DELINEATION
        DESCRIPTIONS
        DICTIONARIES
      % MEASUREMENT
        NOMENCLATURES
        PRECISION
        RESOLUTION

DEFLAGRATION
  0602 3301
  GS    COMBUSTION
        #DEFLAGRATION
  RT    BACKFIRE
        FIRES
        FLASHBACK

DEFLATING
  USE   INFLATABLE STRUCTURES
        PRESSURE REDUCTION

DEFLECTION
  1308 1902 2311
  RT    BENDING
        BENDING DIAGRAMS
        CAMBER
        DEFORMATION
        DIFFRACTION
        DISPERSING
        DISPLACEMENT
        DISTORTION
        ELASTIC DEFORMATION
        FLEXING
        MAXWELL-MOHR METHOD
        REFLECTION
        REFRACTION
        SCATTERING
        STRUCTURAL STRAIN
```

```
        TEMPERATURE INVERSIONS
        TORSION
        VARIATIONS
        WAVE DISPERSION
        YOKES

DEFLECTORS
  0102 1201 1504 3501
  GS  #DEFLECTORS
        .BLAST DEFLECTORS
        .FLAME DEFLECTORS
  RT    ATTENUATORS
        BAFFLES
      % DIFFUSERS
        DIVERTERS
        FLOW DEFLECTION
        GUST ALLEVIATORS
        REFLECTORS
        SAFETY DEVICES
        SHIELDING
        SPOILERS

DEFLUORINATION
  0403 0602
  GS    CHEMICAL REACTIONS
        #DEFLUORINATION
  RT    FLUORINATION
        HALOGENATION

DEFOCUSING
  3407
  GS    FOCUSING
        #DEFOCUSING
  RT % OPTICS

DEFOLIANTS
  0404 0412
  RT    DEFOLIATION
        FOLIAGE
        FORESTS
        HERBICIDES
        LEAVES
        PLANTS (BOTANY)
        TREES (PLANTS)

DEFOLIATION
  0409 0603
  RT    BRUSH (BOTANY)
        DEFOLIANTS
        DEFORESTATION
        FORESTS
        GRASSES
        LEAVES
        PLANTS (BOTANY)
        TREES (PLANTS)

DEFORESTATION
  0409
  RT    CLEARINGS (OPENINGS)
        CONSERVATION
        DEFOLIATION
        ENVIRONMENT EFFECTS
        FORESTS

DEFORMATION
  1502 1505 2308 3203 3407
  GS  #DEFORMATION
        .AXIAL STRAIN
        .ELASTIC DEFORMATION
        ..ELASTIC BENDING
        ..ELASTIC BUCKLING
        .NUCLEAR DEFORMATION
        .PLASTIC DEFORMATION
        .STATIC DEFORMATION
        .TENSILE DEFORMATION
        .WAVE FRONT DEFORMATION
  RT    BENDING
        BUCKLING
        CAMBER
        COLLAPSE
        CORRUGATING
        CREEP PROPERTIES
        DAMAGE
        DEFLECTION
        DEFORMETERS
        DISPLACEMENT
        DISTORTION
        ELONGATION
        FAILURE
        FLEXING
        FRACTURES (MATERIALS)
        INDENTATION
        MECHANICAL PROPERTIES
        SET
        SKEWNESS
        STIFFNESS
        STRAIN DISTRIBUTION
        STRUCTURAL FAILURE
        STRUCTURAL STRAIN
        TEMPERATURE INVERSIONS
        TOPOLOGY
        TORSION
        TWISTING
        VOLUMETRIC STRAIN
        WARPAGE
        WRINKLING

DEFORMETERS
  1406 1409 1413 1505 3203 3501
  GS    MEASURING INSTRUMENTS
        #DEFORMETERS
  RT    DEFORMATION
        DIMENSIONAL MEASUREMENT
        EXTENSOMETERS
        MECHANICAL MEASUREMENT
        STRAIN GAGES
        STRESS MEASUREMENT
        TENSOMETERS

DEFROSTING
  0202 1504 2003 3303
  RT    DEICING
        HEATING
        ICE PREVENTION
        MELTING
        REFRIGERATING
        REFRIGERATORS

DEGASSING
  0602 1704
  UF    BAKEOUT
  GS  #DEGASSING
        .DEOXYGENATION
  RT    ABSORBERS (EQUIPMENT)
        AERATION
        BAKING
        CASTINGS
        DEOXIDIZING
        DESORPTION
        GAS EVOLUTION
        OCCLUSION
        OFFGASSING
        OUTGASSING
        PURGING
        SCAVENGING
      % SEPARATION

DEGENERATE MATTER
  3001 3002
  GS    MATTER (PHYSICS)
        #DEGENERATE MATTER
  RT    ANTIMATTER
        ASTROPHYSICS
        BLACK HOLES (ASTRONOMY)
        COSMIC GASES
        CRITICAL PRESSURE
        DENSITY (MASS/VOLUME)
        EXTRATERRESTRIAL MATTER
        FERMI-DIRAC STATISTICS
        HIGH PRESSURE
        MASSIVE STARS
        NAKED SINGULARITIES
        NEUTRON STARS
        NUCLEAR FUSION
      % PHYSICS
```

PULSARS
ROTATING MATTER
STELLAR CORES
STELLAR EVOLUTION
STELLAR MASS
SUPERMASSIVE STARS
WHITE DWARF STARS

DEGENERATION
0404 0602 2406
RT ATROPHY
DETERIORATION
NEGATIVE FEEDBACK

DEGENERATIVE FEEDBACK
USE NEGATIVE FEEDBACK

DEGRADATION
0404 1505 3406
GS #DEGRADATION
.BIODEGRADATION
.THERMAL DEGRADATION
.WAVE DEGRADATION
RT CHEMICAL ATTACK
CORROSION
CUMULATIVE DAMAGE
CURING
DAMAGE
DECAY
DECOMPOSITION
DEPOLYMERIZATION
DETERIORATION
DISCOLORATION
DURABILITY
EMBRITTLEMENT
EROSION
HOT CORROSION
OXIDATION
PITTING
PRESERVING
RUSTING
SCALE (CORROSION)
STERILIZATION EFFECTS
THERMAL DISSOCIATION
WEATHERING

DEGREES OF FREEDOM
1902 2308 2311
RT EQUIPARTITION THEOREM
EXPERIMENT DESIGN
FACTOR ANALYSIS
NULL HYPOTHESIS
PHASE RULE
QUALITY CONTROL
SIGNIFICANCE
THREE DIMENSIONAL MOTION
TORQUERS
% VARIANCE

DEHP
USE DIETHYL HYDROGEN PHOSPHITE (DEHP)

DEHUMIDIFICATION
0504 0505 1504
GS DRYING
#DEHUMIDIFICATION
RT CONDENSING
COOLING SYSTEMS
DEHYDRATION
DIFFUSION
HUMIDITY
REFRIGERATING
% SEPARATION
SILICA GEL

DEHYDRATED FOOD
0505
RT CONSUMABLES (SPACECREW SUPPLIES)
DEHYDRATION
DRYING APPARATUS
% FOOD
FOOD PROCESSING
FREEZE DRYING
PRESERVING
SPACE FLIGHT FEEDING

DEHYDRATION
0404 0602
GS DRYING
#DEHYDRATION
RT COLUMNS (PROCESS ENGINEERING)
DEHUMIDIFICATION
DEHYDRATED FOOD
DEWATERING
EVAPORATION
FREEZE DRYING
HYDRATION
PLASMOLYSIS
% SEPARATION
SILICA GEL
THERMOGRAVIMETRY
WATER LOSS

DEHYDROGENATION
0403 0602
GS CHEMICAL REACTIONS
#DEHYDROGENATION
RT COLUMNS (PROCESS ENGINEERING)
HYDROFORMING
HYDROGENATION
HYDROGENOLYSIS
OXIDATION
REDUCTION (CHEMISTRY)

DEICERS
0203 0603 1804 2003 3303 3501
UF DEICING SYSTEMS
RT AIRCRAFT ICING
AIRFOILS
ANTIICING ADDITIVES
DEICING
% HEATERS
HEATING EQUIPMENT
ICE PREVENTION

DEICING
0203 0603 3303 3501
RT AIRCRAFT ICING
AIRFOILS
ANTIICING ADDITIVES
DEFROSTING
DEICERS
% HEATERS
HEATING EQUIPMENT
ICE PREVENTION
MELTING

DEICING SYSTEMS
USE DEICERS

DEIMOS
3008
GS CELESTIAL BODIES
.NATURAL SATELLITES
..MARS SATELLITES
..#DEIMOS
RT CHARON
MARS (PLANET)
PHOBOS

DEIONIZATION
0603 0604
GS CHEMICAL REACTIONS
#DEIONIZATION
RT ATOMIC RECOMBINATION
DEMINERALIZING
EXCHANGING
ION RECOMBINATION
RADIATIVE RECOMBINATION
% SEPARATION
SOFTENING

DEKATRONS
USE COUNTERS

```
DELAMINATING
  3407
  RT    ANODIC STRIPPING
        DEBONDING (MATERIALS)
        INTERLAMINAR STRESS
        PEELING
      % SEPARATION

DELAWARE
  1305
  GS    NATIONS
        .UNITED STATES
        .#DELAWARE
  RT    DELAWARE RIVER BASIN (US)
        DELMARVA PENINSULA (DE-MD-VA)

DELAWARE BAY (US)
  1303
  GS    BAYS (TOPOGRAPHIC FEATURES)
        #DELAWARE BAY (US)
  RT    ATLANTIC OCEAN
        GULFS
        INLETS (TOPOGRAPHY)
        NEW JERSEY
        PENNSYLVANIA

DELAWARE RIVER BASIN (US)
  1305
  GS    LANDFORMS
        .STRUCTURAL BASINS
        ..RIVER BASINS
        ..#DELAWARE RIVER BASIN (US)
  RT    DELAWARE
        NEW JERSEY
        NEW YORK
        PENNSYLVANIA
        RIVERS
        STREAMS
        VALLEYS

DELAY
  0710 3404 3406
  RT    DWELL
      % HOLDING
        LATENESS
        STOPPING
        TIME LAG
      % TIME RESPONSE
        TRANSMISSION RATE (COMMUNICATIONS)

DELAY CIRCUITS
  0902
  GS    CIRCUITS
        #DELAY CIRCUITS
        ..PHANTASTRONS
  RT    ACOUSTIC DELAY LINES
        CIRCULATORS (PHASE SHIFT CIRCUITS)
        COMPARATOR CIRCUITS
        PHASE SHIFT CIRCUITS

DELAY LINES
  0702 0801 0902 0905
  GS   #DELAY LINES
        .ACOUSTIC DELAY LINES
        .DELAY LINES (COMPUTER STORAGE)
  RT % LINES
        TIME LAG

DELAY LINES (COMPUTER STORAGE)
  0801
  GS    COMPUTER STORAGE DEVICES
        #DELAY LINES (COMPUTER STORAGE)
        DELAY LINES
        #DELAY LINES (COMPUTER STORAGE)
  RT    SHIFT REGISTERS

DELAYED FLAP APPROACH
  0201
  UF    DFA
  GS    APPROACH
        #DELAYED FLAP APPROACH
  RT    FLAPS (CONTROL SURFACES)
        FLIGHT PATHS
        LANDING AIDS
        NASA PROGRAMS
        NOISE REDUCTION

DELETION
  3407
  GS    ELIMINATION
        #DELETION
  RT    DISPOSAL
        REMOVAL

DELFIN AIRCRAFT
  USE   L-29 JET TRAINER

DELFT CAMERA
  1412
  GS    OPTICAL EQUIPMENT
        .CAMERAS
        .#DELFT CAMERA
        PHOTOGRAPHIC EQUIPMENT
        .CAMERAS
        .#DELFT CAMERA

DELINEATION
  1902 3406 3407
  RT    BOUNDARIES
        DEFINITION
      % PROFILES

DELIVERY
  3406
  GS   #DELIVERY
        .PAYLOAD DELIVERY (STS)
        .WEAPONS DELIVERY
  RT    AIR DROP OPERATIONS
        AIRDROPS
        CARGO
        CIRCULATION
        HAULING
        MATERIALS HANDLING
        OUTPUT
      % RECEIVING
        TRANSPORTATION
        TRUCKS

DELMARVA PENINSULA (DE-MD-VA)
  1308
  GS    LANDFORMS
        .PENINSULAS
        .#DELMARVA PENINSULA (DE-MD-VA)
  RT    DELAWARE
        MARYLAND
        VIRGINIA

DELPHI METHOD (FORECASTING)
  1905 3402 3404
  GS    FORECASTING
        .TECHNOLOGICAL FORECASTING
        .#DELPHI METHOD (FORECASTING)
        MANAGEMENT METHODS
        #DELPHI METHOD (FORECASTING)
  RT    ESTIMATING
      % METHODOLOGY
        OPERATIONS RESEARCH
        PATTERN METHOD (FORECASTING)
        PLANNING
        PREDICTIONS
        PROBE METHOD (FORECASTING)
        PROFILE METHOD (FORECASTING)
        TECHNOLOGY ASSESSMENT

DELRIN (TRADEMARK)
  1809 1810
  GS    PLASTICS
        #DELRIN (TRADEMARK)
  RT    RESINS

DELTA ANTENNAS
  0901
  GS    ANTENNAS
        #DELTA ANTENNAS
  RT    ANTENNA DESIGN
```

```
      RESONATORS
      TRANSMISSION LINES

DELTA DAGGER AIRCRAFT
  USE  F-102 AIRCRAFT

DELTA DART AIRCRAFT
  USE  F-106 AIRCRAFT

DELTA FUNCTION
  1902
  GS   ANALYSIS (MATHEMATICS)
       .REAL VARIABLES
       .#DELTA FUNCTION
       FUNCTIONS (MATHEMATICS)
       #DELTA FUNCTION

DELTA LAUNCH VEHICLE
  3103 3105 3110
  GS   LAUNCH VEHICLES
       #DELTA LAUNCH VEHICLE
  RT   ANIK SATELLITES
       ANIK 1
       ANIK 2
       BEACON EXPLORER A
       ESSA 1 SATELLITE
       ESSA 2 SATELLITE
       ESSA 3 SATELLITE
       ESSA 4 SATELLITE
       ESSA 5 SATELLITE
       ESSA 6 SATELLITE
       ESSA 7 SATELLITE
       ESSA 8 SATELLITE
       ESSA 9 SATELLITE
       EXPLORER 10 SATELLITE
       EXPLORER 12 SATELLITE
       EXPLORER 14 SATELLITE
       EXPLORER 15 SATELLITE
       EXPLORER 17 SATELLITE
       EXPLORER 18 SATELLITE
       EXPLORER 21 SATELLITE
       EXPLORER 26 SATELLITE
       EXPLORER 28 SATELLITE
       EXPLORER 29 SATELLITE
       EXPLORER 32 SATELLITE
       EXPLORER 33 SATELLITE
       EXPLORER 38 SATELLITE
       EXPLORER 43 SATELLITE
       EXPLORER 49 SATELLITE
       EXPLORER 55 SATELLITE
       INTERNATIONAL MAGNETOSPHERIC
       EXPLORER
       OSO-C
       OSO-1
       OSO-2
       OSO-4
       OUTER PLANETS EXPLORERS
       PIONEER 6 SPACE PROBE
       PIONEER 7 SPACE PROBE
       RCA SATCOM SATELLITES
       SPACE SHUTTLE UPPER STAGE D
       SYNCOM 1 SATELLITE
       SYNCOM 2 SATELLITE
       SYNCOM 3 SATELLITE
       TIROS 2 SATELLITE
       TIROS 3 SATELLITE
       TIROS 4 SATELLITE
       TIROS 5 SATELLITE
       TIROS 6 SATELLITE
       TIROS 7 SATELLITE
       TIROS 8 SATELLITE
       TIROS 9 SATELLITE
       TIROS 10 SATELLITE

DELTA MODULATION
  0705 1002
  GS   CODING
       .SIGNAL ENCODING
       ..PULSE MODULATION
       ...PULSE CODE MODULATION
       ...#DELTA MODULATION
       MODULATION
       .PULSE MODULATION
       ..PULSE CODE MODULATION
       ..#DELTA MODULATION
  RT   PULSE COMMUNICATION

DELTA WINGS
  0104
  UF   TRIANGULAR WINGS
  GS   AIRFOILS
       .WINGS
       ..LOW ASPECT RATIO WINGS
       ..#DELTA WINGS
       ..SWEPT WINGS
       ...SWEPTBACK WINGS
       ...#DELTA WINGS
       PLANFORMS
       .WING PLANFORMS
       ..SWEPTBACK WINGS
       ..#DELTA WINGS
  RT   ARROW WINGS
       AVRO 707 AIRCRAFT
       CARET WINGS
       FD 2 AIRCRAFT
       GA-5 AIRCRAFT
       VARIABLE SWEEP WINGS
       VATOL AIRCRAFT
       WAVERIDERS

DELTAS
  1305 1306 1308
  GS   LANDFORMS
       #DELTAS
       ..MISSISSIPPI DELTA (LA)
       ..RHONE DELTA (FRANCE)
  RT   ALLUVIUM
       FANS (LANDFORMS)
       RIVERS
       SANDS
       SOILS

DEMAGNETIZATION
  2307
  RT   MAGNETIC FIELDS
     % REDUCTION

DEMAND (ECONOMICS)
  1905 3402
  GS   ECONOMICS
       #DEMAND (ECONOMICS)
  RT   CONSUMPTION
       SUPPLYING

DEMAND ASSIGNMENT MULTIPLE ACCESS
  0703
  UF   DAMA
  GS   TELECOMMUNICATION
       .MULTIPLE ACCESS
       .#DEMAND ASSIGNMENT MULTIPLE ACCESS
  RT   CHANNEL CAPACITY
       COMMUNICATION NETWORKS
       COMMUNICATION SATELLITES
       SATELLITE NETWORKS

DEMINERALIZING
  1704 1806 3407
  GS  #DEMINERALIZING
       .BONE DEMINERALIZATION
  RT   CRYSTALLIZATION
       DEIONIZATION
       DESALINIZATION
       DISTILLATION
       ION EXCHANGING
       OSMOSIS
       PURIFICATION
       REVERSE OSMOSIS
     % SEPARATION
       SOFTENING
       WATER TREATMENT

DEMOCRATIC PEOPLES REPUBLIC OF KOREA
  USE  NORTH KOREA

DEMODULATION
```

1002
RT AMPLITUDE MODULATION
DECODING
DEMODULATORS
% DETECTORS
FREQUENCY MODULATION
HETERODYNING
INTERMODULATION
MODULATION
PHASE MODULATION
PULSE MODULATION
REMODULATION
TELECOMMUNICATION

DEMODULATORS
0905
GS #DEMODULATORS
.FREQUENCY COMPRESSION DEMODULATORS
.MODEMS
.PHASE DEMODULATORS
.PHASE LOCK DEMODULATORS
RT AMPLITUDE MODULATION
DECODERS
DECOMMUTATORS
DEMODULATION
FREQUENCY MODULATION
MATCHED FILTERS
MODULATION
MODULATORS
PHASE MODULATION
PULSE MODULATION

DEMOGRAPHY
0506
RT CENSUS
COMMUNITIES
% DENSITY
% DISTRIBUTION
HUMAN BEINGS
INHABITANTS
MEGALOPOLISES
NATIONS
SOCIOLOGY
% STATISTICS

DEMONSTRATION
USE PROVING

DEMULTIPLEXING
0705
GS TRANSMISSION
#DEMULTIPLEXING
RT CODE DIVISION MULTIPLEXING
FREQUENCY DIVISION MULTIPLEXING
MULTIPLEXING
TIME DIVISION MULTIPLEXING
WAVELENGTH DIVISION MULTIPLEXING

DENATURATION (BIOPOLYMERS)
USE BIOPOLYMER DENATURATION

DENDRITIC CRYSTALS
2601
GS CRYSTALS
#DENDRITIC CRYSTALS
RT ISOTROPY
NEEDLES
WHISKERS (CRYSTALS)

DENDRITIC DRAINAGE
USE DRAINAGE PATTERNS

DENDROCHRONOLOGY
0409
UF TREE RING DATING
RT CLIMATOLOGY
GEOCHRONOLOGY
PERIODIC VARIATIONS
TIMBERLINE
TREES (PLANTS)

DENITROGENATION
0401 0403 0404
GS CHEMICAL REACTIONS
#DENITROGENATION
RT NITRATION

DENMARK
1305
GS NATIONS
#DENMARK
RT DANISH SPACE PROGRAM
EUROPE
GREENLAND
SCANDINAVIA

DENSE PLASMAS
2502
GS PARTICLES
.CHARGED PARTICLES
..ENERGETIC PARTICLES
...PLASMAS (PHYSICS)
...#DENSE PLASMAS
.....PLASMA FOCUS
.....STRONGLY COUPLED PLASMAS
RT ASTROPHYSICS
BETA FACTOR
ELECTRON SCATTERING
HIGH TEMPERATURE PLASMAS
NUCLEAR FUSION
PARTICLE COLLISIONS
PLASMA COMPRESSION
SPHEROMAKS
STELLAR STRUCTURE

DENSIFICATION
1502 1504 3407
GS PRESSURE
#DENSIFICATION
RT AGGLOMERATION
CHEMICAL VAPOR INFILTRATION
COMPACTING
COMPRESSING
CONSOLIDATION
LUDOX (TRADEMARK)
PRESSURIZING

DENSIMETERS
0601
GS MEASURING INSTRUMENTS
#DENSIMETERS
..ULTRASONIC DENSIMETERS
RT DENSITY (MASS/VOLUME)
DENSITY MEASUREMENT
% INSTRUMENTS
% MEASUREMENT

DENSITOMETERS
1406 1407 2310 3009 3501
GS MEASURING INSTRUMENTS
#DENSITOMETERS
..MICRODENSITOMETERS
RT GAMMA RAY ABSORPTIOMETRY
GRAVIMETERS
OPTICAL EQUIPMENT
OPTICAL MEASUREMENT
OPTICAL MEASURING INSTRUMENTS
PHOTOMETERS
PHOTON ABSORPTIOMETRY
TRANSMISSOMETERS

% DENSITY
0703 1308 1902 2311 3408
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT ATMOSPHERIC DENSITY
ATOM CONCENTRATION
BIOMASS
DEMOGRAPHY
DENSITY (MASS/VOLUME)
DENSITY (NUMBER/VOLUME)
FLUX DENSITY
OPTICAL DENSITY
POROSITY

```
      RANKINE-HUGONIOT RELATION

DENSITY (MASS/VOLUME)
  0104 0603 1203 3501
  UF   SPECIFIC GRAVITY
  GS  #DENSITY (MASS/VOLUME)
       .ATMOSPHERIC DENSITY
       .GAS DENSITY
       .SPACE DENSITY
  RT   ABSORPTANCE
       ABSORPTIVITY
       BULK MODULUS
       BUOYANCY
       COMPRESSIBILITY
       DEGENERATE MATTER
       DENSIMETERS
     % DENSITY
       DENSITY MEASUREMENT
       HYDROMETERS
       INTERNAL FRICTION
       ISOPYCNIC PROCESSES
       LEWIS NUMBERS
       OPACITY
       PERMEABILITY
     % PHYSICAL PROPERTIES
       POROSITY
       PYCNOMETERS
       STOPPING POWER
       TRANSMISSIVITY
       TRANSMITTANCE
       TRANSPARENCE
       ULTRASONIC DENSIMETERS
       VISCOSITY
       VOID RATIO
       WEIGHT MEASUREMENT

DENSITY (NUMBER/VOLUME)
  0104 0603 1203 3009 3501
  GS  #DENSITY (NUMBER/VOLUME)
       .METEOROID CONCENTRATION
       .PACKING DENSITY
       .PARTICLE DENSITY (CONCENTRATION)
       ..ELECTRON DENSITY (CONCENTRATION)
       ...CARRIER DENSITY (SOLID STATE)
       ...ELECTRON DENSITY PROFILES
       ...IONOSPHERIC ELECTRON DENSITY
       ...MAGNETOSPHERIC ELECTRON DENSITY
       ..ELECTRON DISTRIBUTION
       ...ELECTRON DENSITY PROFILES
       ..ION DENSITY (CONCENTRATION)
       ...IONOSPHERIC ION DENSITY
       ...MAGNETOSPHERIC ION DENSITY
       ....MAGNETOSPHERIC PROTON DENSITY
       ...PROTON DENSITY (CONCENTRATION)
       ....MAGNETOSPHERIC PROTON DENSITY
       ..PLASMA DENSITY
       .SPACE DENSITY
  RT   ATMOSPHERIC DENSITY
     % DENSITY

DENSITY (RATE/AREA)
  USE  FLUX DENSITY

DENSITY DISTRIBUTION
  2311 3408
  RT   BAROCLINIC WAVES
       FOKKER-PLANCK EQUATION
       MAXWELL-BOLTZMANN DENSITY FUNCTION
       SHOCK DISCONTINUITY
       TAYLOR INSTABILITY

DENSITY MEASUREMENT
  0601 1409 2311 3407
  GS  #DENSITY MEASUREMENT
       .GAMMA RAY ABSORPTIOMETRY
       .PHOTON ABSORPTIOMETRY
       .X RAY DENSITY MEASUREMENT
  RT   CHEMICAL ANALYSIS
       DENSIMETERS
       DENSITY (MASS/VOLUME)
       HYDROMETERS
     % MEASUREMENT
       MECHANICAL MEASUREMENT
       ULTRASONIC DENSIMETERS
       WIND TUNNEL TESTS

DENSITY WAVE MODEL
  3001 3009
  GS   MODELS
       .ASTRONOMICAL MODELS
       .#DENSITY WAVE MODEL
  RT   GALACTIC STRUCTURE
       MASS DISTRIBUTION
       SPIRAL GALAXIES
       WAVE EQUATIONS

DENTAL CALCULI
  0404 0405
  GS   DEPOSITS
       .CALCULI
       .#DENTAL CALCULI
  RT   LITHIASIS
       TEETH
       TOOTH DISEASES

DENTISTRY
  0405
  GS   MEDICAL SCIENCE
       #DENTISTRY
  RT   MEDICAL EQUIPMENT
       ORAL HYGIENE
       TEETH
       TOOTH DISEASES

DEOXIDIZING
  0603
  GS   CHEMICAL REACTIONS
       .REDUCTION (CHEMISTRY)
       .#DEOXIDIZING
  RT   DEGASSING
     % DEOXIFICATION
       DEOXYGENATION
       SCAVENGING

% DEOXIFICATION
  0403 0602
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   DEOXIDIZING
       DEOXYGENATION
       STERILIZATION EFFECTS

DEOXYGENATION
  0602
  GS   DEGASSING
       #DEOXYGENATION
  RT   DEOXIDIZING
     % DEOXIFICATION
     % REDUCTION
     % SEPARATION

DEOXYRIBONUCLEIC ACID
  0402 0403 0406 0409 1805 1808
  UF   DNA
  GS   ACIDS
       .NUCLEIC ACIDS
       .#DEOXYRIBONUCLEIC ACID
       BIOPOLYMERS
       .NUCLEIC ACIDS
       .#DEOXYRIBONUCLEIC ACID
       ORGANIC COMPOUNDS
       .NUCLEIC ACIDS
       .#DEOXYRIBONUCLEIC ACID
  RT   GENE EXPRESSION
       GENES
       THYMIDINE
       THYMINE

DEPENDENCE
  1902 1905 3402 3408
  UF   DEPENDENCY
  GS  #DEPENDENCE
       .SPATIAL DEPENDENCIES
       .TEMPERATURE DEPENDENCE
```

```
      .TIME DEPENDENCE
  RT  GROUP DYNAMICS
      SOCIOLOGY

DEPENDENCY
  USE DEPENDENCE

DEPENDENT VARIABLES
  1902 1905
  GS  ANALYSIS (MATHEMATICS)
      #DEPENDENT VARIABLES
  RT  COMPLEX VARIABLES
      INDEPENDENT VARIABLES
      OBSERVABILITY (SYSTEMS)
      PARAMETERIZATION
      REAL VARIABLES
    % VARIABLE

DEPERSONALIZATION
  0408 0410 3402 3406
  RT  ARTIFICIAL INTELLIGENCE
      AUTOMATA THEORY
      AUTOMATIC CONTROL
    % AUTOMATION
      CYBERNETICS
      DETACHMENT
      DISORDERS
      MAN MACHINE SYSTEMS
      MECHANIZATION
      PERSONALITY
      PERSONNEL

DEPLETION
  2602 3407
  GS  #DEPLETION
      .OZONE DEPLETION
  RT  CONSUMPTION
      DEPRECIATION
      DISSIPATION
      ELIMINATION
      ENERGY POLICY
      EXHAUSTION
      EXPLOITATION
      LIFE (DURABILITY)
      LOSSES
    % REDUCTION
      REMOVAL
      RESOURCES
      UTILIZATION

DEPLOYMENT
  0208 3401
  RT  GAME THEORY
      LOGISTICS
      MILITARY OPERATIONS
      MILITARY TECHNOLOGY
    % OPERATIONS
      PERSONNEL
      STRATEGY
      TACTICS

DEPOLARIZATION
  0302 0604 0705 2304 2306 2307 2402
  SN  (EXCLUDES CONSIDERATION OF OPTICAL
      DEPOLARIZATION AND PARTICLE SPIN
      DISALIGNMENT)
  UF  DEPOLARIZERS
  RT  ELECTROLYTIC POLARIZATION
      ELECTROPHYSIOLOGY
      POLARIZATION (CHARGE SEPARATION)
    % REDUCTION
      SPIKE POTENTIALS

DEPOLARIZERS
  USE DEPOLARIZATION

DEPOLYMERIZATION
  0403 0602 1810
  GS  CHEMICAL REACTIONS
      #DEPOLYMERIZATION
  RT  DEGRADATION
      DETERIORATION
      POLYMERIZATION

DEPOSITION
  0604 1504 1802
  UF  ACCRETION
  GS #DEPOSITION
      .ANODIZING
      .ELECTRODEPOSITION
      ..ELECTROPLATING
      .ELECTROLESS DEPOSITION
      .LASER DEPOSITION
      ..PULSED LASER DEPOSITION
      .VAPOR DEPOSITION
      ..METALORGANIC CHEMICAL VAPOR
        DEPOSITION
      ..VACUUM DEPOSITION
  RT  ACCUMULATIONS
      COAGULATION
      COATING
      COATINGS
      DEPOSITS
      ELECTROFORMING
      ELECTRON BOMBARDMENT
      FORMING TECHNIQUES
      FOULING
      MAGNETRON SPUTTERING
      METAL COATINGS
      PLATING
      PRECIPITATION (CHEMISTRY)
      SEDIMENTS
    % SEPARATION
      SETTLING
      SPUTTERING
      THERMOPHORESIS

DEPOSITS
  0603 1306 1806
  SN  (EXCLUDES BANK MINERAL AND
      GEOLOGICAL DEPOSITS)
  GS #DEPOSITS
      .CALCULI
      ..DENTAL CALCULI
      .CRYODEPOSITS
  RT  COATINGS
      CORROSION
      CRUDE OIL
      DEPOSITION
      PLATING
      SEDIMENTS
      SLUDGE

DEPRECIATION
  0402
  RT  DEPLETION
      DETERIORATION
      INVESTMENTS
      LIFE (DURABILITY)
      WEAR

DEPRESSANTS
  0403 0405
  GS #DEPRESSANTS
      .CENTRAL NERVOUS SYSTEM DEPRESSANTS
  RT  ANESTHESIOLOGY

% DEPRESSION
  0405 0410 1308 2003 2311 3402 3407
  SN  (USE OF A MORE SPECIFIC TERM IS
      RECOMMENDED--CONSULT THE TERMS
      LISTED BELOW)
  RT  DETACHMENT
      DISORDERS
      EMOTIONS
    % HOLLOW
      INTROVERSION
      LETHARGY
      LOW PRESSURE
      NEUROTIC DEPRESSION
      PSYCHOTIC DEPRESSION
      RECESSION
      SCHIZOPHRENIA
      TECTONICS
      TOPOGRAPHY
```

```
DEPRESSIONS (TOPOGRAPHY)
  USE  STRUCTURAL BASINS

DEPRESSURIZATION
  USE  PRESSURE REDUCTION

DEPRIVATION
  0404 0410
  GS  #DEPRIVATION
       .SENSORY DEPRIVATION
       .SLEEP DEPRIVATION
       .WATER DEPRIVATION
  RT   CONFINING
       ISOLATION
       STRESS (PHYSIOLOGY)

DEPTH
  1902 3408
  GS   DIMENSIONS
       #DEPTH
  RT   DISTANCE
       HEIGHT
       THICKNESS

DEPTH MEASUREMENT
  1406
  RT   BATHYMETERS
       CORE SAMPLING
       DISTANCE MEASURING EQUIPMENT
       ECHO SOUNDING
     % MEASUREMENT
       MECHANICAL MEASUREMENT
       SOUNDING

DEPTH PERCEPTION
  USE  SPACE PERCEPTION

DERIVATION
  1902
  RT   DEDUCTION
     % INDUCTION
     % ORIGINS
       PARAMETERIZATION
     % SOURCES

DERIVATION CALCULUS
  USE  DIFFERENTIAL CALCULUS

DERMATITIS
  0405 0408 0411
  GS   DISEASES
       .INFECTIOUS DISEASES
       .#DERMATITIS
       ...CONTACT DERMATITIS
  RT   BACTERIAL DISEASES
       DERMATOLOGY
       FUNGAL DISEASES
       ITCHING
       RADIATION HAZARDS
       RADIATION SICKNESS
       SKIN (ANATOMY)

DERMATOLOGY
  0404 0405
  GS   MEDICAL SCIENCE
       #DERMATOLOGY
  RT   CONTACT DERMATITIS
       DERMATITIS
       SKIN (ANATOMY)

DESALINIZATION
  0403 0603 3407
  RT   DEMINERALIZING
       DISTILLATION
       OSMOSIS
       PURIFICATION
       REVERSE OSMOSIS
       SALINITY
       VAPORIZING
       WATER TREATMENT

DESATURATION
  0403 0602
  RT   DRYING
     % SATURATION

DESCALING
  1504 1702 1704
  RT   CHEMICAL CLEANING
       CLEANING
       METAL FINISHING
       PICKLING (METALLURGY)
       SCALE (CORROSION)
     % SEPARATION
       SHOT PEENING

DESCENT
  0201 3006
  GS  #DESCENT
       .PARACHUTE DESCENT
  RT   APPROACH
       ASCENT
       FLIGHT PATHS
       GLIDING
       REENTRY
       UNCONTROLLED REENTRY (SPACECRAFT)

DESCENT PROPULSION SYSTEMS
  2808 3106
  GS   PROPULSION
       #DESCENT PROPULSION SYSTEMS
       PROPULSION SYSTEM CONFIGURATIONS
       #DESCENT PROPULSION SYSTEMS
  RT   SPACECRAFT PROPULSION
     % SYSTEMS

DESCENT TRAJECTORIES
  0101 1904 3009
  GS   TRAJECTORIES
       #DESCENT TRAJECTORIES
       ..REENTRY TRAJECTORIES
  RT   ASCENT TRAJECTORIES
       ATMOSPHERIC ENTRY
       BALLISTIC TRAJECTORIES
       COASTING FLIGHT
       FALLING
       FLIGHT MECHANICS
       MANNED REENTRY
       MIDCOURSE TRAJECTORIES
       MISSILE TRAJECTORIES
       PARABOLIC FLIGHT
       REENTRY
       REENTRY GUIDANCE
       SPACECRAFT TRAJECTORIES
       TERMINAL GUIDANCE

DESCRIPTIONS
  3406
  RT   CHARACTERIZATION
       DEFINITION
       NOMENCLATURES
       REPRESENTATIONS

DESCRIPTIVE GEOMETRY
  1902
  GS   GEOMETRY
       .EUCLIDEAN GEOMETRY
       .#DESCRIPTIVE GEOMETRY
  RT   ANALYTIC GEOMETRY
       ENGINEERING DRAWINGS
       LAYOUTS
     % PROJECTION
       PROJECTIVE GEOMETRY
       TORUSES

DESENSITIZING
  0602 0603
  RT   CORROSION PREVENTION
       PROTECTIVE COATINGS
       RUSTING

DESERT ADAPTATION
  0404 0408
  GS   ADAPTATION
```

```
      #DESERT ADAPTATION
  RT  SURVIVAL

DESERTIFICATION
  1306
  RT  ARID LANDS
      BARREN LAND
      DEATH VALLEY (CA)
      DESERTLINE
      DESERTS
      DROUGHT
      EARTH ENVIRONMENT
      GOBI DESERT
      LAND
      LAND USE
      MAN ENVIRONMENT INTERACTIONS
      MOJAVE DESERT (CA)
      OASES
      REMOTE SENSING
      SAHARA DESERT (AFRICA)
      STEPPES
      WADIS

DESERTLINE
  1305
  RT  ARID LANDS
      CLIMATOLOGY
      DESERTIFICATION
      LAND
      TOPOGRAPHY

DESERTS
  1305
  GS  LAND
      #DESERTS
      ..GOBI DESERT
      ..LIBYAN DESERT
      ..MOJAVE DESERT (CA)
      ..SAHARA DESERT (AFRICA)
  RT  ARID LANDS
      BARREN LAND
      CLIMATOLOGY
      COACHELLA VALLEY (CA)
      DEATH VALLEY (CA)
      DESERTIFICATION
      DUNES
      EARTH RESOURCES
      IMPERIAL VALLEY (CA)
      KALAHARI BASIN (AFRICA)
      OASES
      PALO VERDE VALLEY (CA)
      PLAYAS
      REMOTE REGIONS
      SALTON SEA (CA)
      TOPOGRAPHY
      WILDERNESS

DESICCANTS
  0603 1804 1808
  RT  ABSORBENTS
      ADSORBENTS

DESICCATION
  USE DRYING

DESICCATORS
  0603 1804
  GS  SEPARATORS
      .DRYING APPARATUS
      .#DESICCATORS

% DESIGN
  0101 0102 1001 1106 3406 3501 4001
  SN  (USE OF A MORE SPECIFIC TERM IS
      RECOMMENDED--CONSULT THE TERMS
      LISTED BELOW)
  UF  TAILORING
  RT  AERODYNAMIC CONFIGURATIONS
      AIRCRAFT DESIGN
      AMPLIFIER DESIGN
      ANTENNA DESIGN
      COMPUTER AIDED DESIGN
      COMPUTER DESIGN
      COMPUTER SYSTEMS DESIGN
      CONSTRUCTION
      CONTROL SYSTEMS DESIGN
      DESIGN ANALYSIS
      DESIGN TO COST
      DIMENSIONS
      DRAFTING MACHINES
      ENGINE DESIGN
      ENGINEERING DRAWINGS
      EQUIPMENT SPECIFICATIONS
      ESTIMATING
      EXPERIMENT DESIGN
      FACTORIAL DESIGN
      FUNCTIONAL DESIGN SPECIFICATIONS
      HELICOPTER DESIGN
      IPAD
      LAYOUTS
      LENS DESIGN
      LOGIC DESIGN
      MISSILE DESIGN
      NOZZLE DESIGN
      OPTIMIZATION
      PLANNING
      PLANT DESIGN
      PRESSURE VESSEL DESIGN
      PRODUCT DEVELOPMENT
      REACTOR DESIGN
      RELIABILITY
      RESEARCH
      RESEARCH AND DEVELOPMENT
      ROCKET ENGINE DESIGN
      SATELLITE DESIGN
      SPACECRAFT DESIGN
      STRUCTURAL DESIGN
      STRUCTURAL DESIGN CRITERIA
    % SYNTHESIS
      SYSTEMS ENGINEERING

DESIGN ANALYSIS
  3404 3406 4001
  RT % ANALYZING
      CONTROL SYSTEMS DESIGN
    % DESIGN
      LOGIC DESIGN
      MAINTAINABILITY
      OPTIMIZATION
      RELIABILITY
      RELIABILITY ANALYSIS
      REVERSE ENGINEERING
      SAFETY FACTORS
      VALUE ENGINEERING

DESIGN OF EXPERIMENTS
  USE EXPERIMENT DESIGN

DESIGN TO COST
  3402 4001
  RT  COST ANALYSIS
      COSTS
    % DESIGN
      LIFE CYCLE COSTS
      PRODUCTION COSTS

DESORPTION
  0602
  RT % ABSORPTION
      ADSORPTION
      DEGASSING
      EVOLUTION (LIBERATION)
      OUTGASSING
      PERMEATING
    % SEPARATION
      SUBLIMATION

DESPINNING
  USE SPIN REDUCTION

DESTABILIZATION
  2102 3407
  RT  SPIN REDUCTION
      TUMBLING MOTION
```

DESTROYER AIRCRAFT
USE B-66 AIRCRAFT

DESTRUCTION
1108 1505 3102 3401 3407 3501
RT ABORTED MISSIONS
ACCIDENTS
BREAKING
CRACKING (FRACTURING)
DAMAGE
DESTRUCTIVE TESTS
FAILURE
FATIGUE (MATERIALS)
FLIGHT HAZARDS
FLIGHT SAFETY
LETHALITY
SPACECRAFT BREAKUP
STRESSES

DESTRUCTIVE TESTS
1108 3404 3501
GS #DESTRUCTIVE TESTS
.BURST TESTS
RT BEND TESTS
COMPRESSION TESTS
CORROSION TESTS
DESTRUCTION
DROP TESTS
FATIGUE TESTS
IMPACT TESTS
LOAD TESTS
% MATERIALS TESTS
NONDESTRUCTIVE TESTS
TENSILE TESTS
% TESTS
VIBRATION TESTS
WEAR TESTS

DESULFURIZING
0602
GS CHEMICAL REACTIONS
#DESULFURIZING
RT FLUE GASES
REFINING
ROASTING

DESYNCHRONIZATION (BIOLOGY)
0201
GS BIOLOGICAL EFFECTS
#DESYNCHRONIZATION (BIOLOGY)
DISORIENTATION
#DESYNCHRONIZATION (BIOLOGY)
PSYCHOLOGICAL EFFECTS
#DESYNCHRONIZATION (BIOLOGY)
RT JET LAG
PHYSIOLOGICAL RESPONSES
RHYTHM (BIOLOGY)

DESYNCHRONIZED SLEEP
USE RAPID EYE MOVEMENT STATE

DETACHMENT
0408 0410
RT ANXIETY
BOREDOM
DEPERSONALIZATION
% DEPRESSION
DISORDERS
DISORIENTATION
EMOTIONAL FACTORS
HUMAN BEHAVIOR
% INHIBITION
INTROVERSION
LETHARGY
PSYCHOLOGY
PSYCHOSES

DETECTION
0701 0705 2203 3401 0404
UF SENSING
GS #DETECTION
.AIRCRAFT DETECTION
.CHANGE DETECTION
.EDGE DETECTION
.FAULT DETECTION
.FOREST FIRE DETECTION
.HAZE DETECTION
.HIGH ALTITUDE NUCLEAR DETECTION
.MISSILE DETECTION
..RADAR DETECTION
.REMOTE SENSING
.SIGNAL DETECTION
..CORRELATION DETECTION
.TARGET RECOGNITION
.ULTRASONIC FLAW DETECTION
RT ACQUISITION
DATA ACQUISITION
% DETECTORS
EARLY WARNING SYSTEMS
EXAMINATION
EXPLORATION
GAS DETECTORS
IDENTIFYING
INSPECTION
MARKING
% MEASUREMENT
MISSILE SIGNATURES
OBSERVATION
POSITION (LOCATION)
RADAR SIGNATURES
SIGNATURE ANALYSIS
SIGNATURES
SOUND LOCALIZATION
SOUND RANGING
SPACE OBSERVATIONS (FROM EARTH)
SURVEILLANCE
TARGET ACQUISITION
TARGETS
TRACKING (POSITION)
WARNING
WARNING SYSTEMS

% DETECTORS
0701 0904 0905 1409 1504 2203
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT AIRCRAFT DETECTION
ANALYZERS
AUTODYNES
CHARACTER RECOGNITION
CORRELATION DETECTION
DEMODULATION
DETECTION
DISPLAY DEVICES
FLIR DETECTORS
FOREST FIRE DETECTION
GAS DETECTORS
HAZARDS
HELMET MOUNTED DISPLAYS
INDICATING INSTRUMENTS
INFRARED DETECTORS
INSTRUMENT RECEIVERS
LASER TARGET DESIGNATORS
LIFE DETECTORS
MEASURING INSTRUMENTS
MINE DETECTORS
MONITORS
MULTISPECTRAL LINEAR ARRAYS
PHASE DETECTORS
RADIATION DETECTORS
RADIATION MEASURING INSTRUMENTS
READERS
RECEIVERS
REMOTE SENSORS
SAFETY
SIGNAL DETECTION
SIGNAL DETECTORS
SQUID (DETECTORS)
TELECOMMUNICATION
TRANSDUCERS
ULTRASONIC FLAW DETECTION
ULTRAVIOLET DETECTORS
VENTURI TUBES
WARNING

WARNING SYSTEMS

DETERGENTS
0403 0505 0603 1808
RT ETHYLENEDIAMINETETRAACETIC ACIDS
LUBRICATING OILS
SOAPS
SURFACTANTS

DETERIORATION
0404 0411 0505 1702 3407
RT ATROPHY
BIODEGRADABILITY
BIODEGRADATION
CORROSION
DAMAGE
DECAY
DECOMPOSITION
DEGENERATION
DEGRADATION
DEPOLYMERIZATION
DEPRECIATION
DISINTEGRATION
DURABILITY
EROSION
EROSIVE BURNING
FAILURE
HOT CORROSION
RUSTING
SOIL EROSION
SYSTEM FAILURES
WEAR
WEAR RESISTANCE
WEATHERING

DETERMINANTS
1902
GS ALGEBRA
#DETERMINANTS
RT LINEAR EQUATIONS
MATRICES (MATHEMATICS)

DETERMINATION
USE MEASUREMENT

DETONABLE GAS MIXTURES
0603 1203 3302 3501
GS GASES
.GAS MIXTURES
.#DETONABLE GAS MIXTURES
MIXTURES
.SOLUTIONS
..GAS MIXTURES
..#DETONABLE GAS MIXTURES
RT CHEMICAL EXPLOSIONS
FIRING (IGNITING)
FLAMMABILITY
FLAMMABLE GASES
GAS EXPLOSIONS
GAS-GAS INTERACTIONS
OXYACETYLENE
REACTING FLOW

DETONATION
0603 3301 3302
UF CHAPMAN-JOUGET FLAME
RT CHEMICAL EXPLOSIONS
COMBUSTION
% DISCHARGE
EXPLOSIONS
FIRING (IGNITING)
FLAME PROPAGATION
INITIATION
PERCUSSION
PRIMERS (EXPLOSIVES)
PROPELLANT EXPLOSIONS
ROCKET FIRING
SHOCK WAVES

DETONATION WAVES
1203 3301 3302 3501
GS ELASTIC WAVES
.SHOCK WAVES
.#DETONATION WAVES
RT COMBUSTIBLE FLOW
FLAME PROPAGATION
GAS EXPLOSIONS
SEISMIC WAVES
SOUND WAVES
% WAVES

DETONATORS
3302
GS EXPLOSIVE DEVICES
.INITIATORS (EXPLOSIVES)
.#DETONATORS
IGNITERS
.INITIATORS (EXPLOSIVES)
.#DETONATORS
RT CAPS (EXPLOSIVES)
EXPLODING WIRES
EXPLOSIVES
FULMINATES
FUSES (ORDNANCE)
PRIMERS (EXPLOSIVES)
SODIUM AZIDES

DEUTERIDES
0603 1804 1808 2406
GS HYDROGEN COMPOUNDS
.DEUTERIUM COMPOUNDS
.#DEUTERIDES
RT HYDRIDES

DEUTERIUM
0603 1807 2406
UF HYDROGEN 2
GS CHEMICAL ELEMENTS
.HYDROGEN
..HYDROGEN ISOTOPES
..#DEUTERIUM
.NUCLIDES
..ISOTOPES
...HYDROGEN ISOTOPES
...#DEUTERIUM
GASES
.HYDROGEN
..HYDROGEN ISOTOPES
..#DEUTERIUM
RT HEAVY WATER
HYDROGEN FUELS
HYDROGEN PLASMA
NUCLEAR FUELS

DEUTERIUM COMPOUNDS
0603 1804
GS HYDROGEN COMPOUNDS
#DEUTERIUM COMPOUNDS
..DEUTERIDES
..DEUTERIUM FLUORIDES
..HEAVY WATER
RT % CHEMICAL COMPOUNDS

DEUTERIUM FLUORIDE LASERS
USE DF LASERS

DEUTERIUM FLUORIDES
0603
UF DF
GS HALOGEN COMPOUNDS
.FLUORINE COMPOUNDS
..FLUORIDES
..#DEUTERIUM FLUORIDES
HYDROGEN COMPOUNDS
.DEUTERIUM COMPOUNDS
.#DEUTERIUM FLUORIDES
RT DF LASERS

DEUTERIUM OXIDES
USE HEAVY WATER

DEUTERIUM PLASMA
2406 2502
GS PARTICLES
.CHARGED PARTICLES

..ENERGETIC PARTICLES
...PLASMAS (PHYSICS)
....HYDROGEN PLASMA
....#DEUTERIUM PLASMA
RT DEUTERONS
HYDROGEN

DEUTERON IRRADIATION
2403 2405
GS IRRADIATION
.ION IRRADIATION
.#DEUTERON IRRADIATION
RT ALPHA PARTICLES
CHARGED PARTICLES
NUCLEAR FUSION
PARTICLES
PLASMAS (PHYSICS)
PROTON IRRADIATION

DEUTERONS
2403 2405 2903
GS IONS
#DEUTERONS
PARTICLES
.ELEMENTARY PARTICLES
.#DEUTERONS
RT ALPHA PARTICLES
COSMIC RAYS
DEUTERIUM PLASMA
PHOTOMAGNETIC EFFECTS
PLASMAS (PHYSICS)
POMERANCHUK THEOREM
PROTONS

DEVELOPERS (PHOTOGRAPHY)
USE PHOTOGRAPHIC DEVELOPERS

DEVELOPING NATIONS
3403
RT CARIBBEAN REGION
ECONOMIC DEVELOPMENT
ECONOMIC FACTORS
NATIONS
UNITED NATIONS

% DEVELOPMENT
3406
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT ENERGY POLICY
EVOLUTION (DEVELOPMENT)
EXPLOITATION
GROWTH
LAND USE
MANAGEMENT PLANNING
MISSILE DESIGN
PERSONNEL DEVELOPMENT
PHOTOGRAPHIC DEVELOPERS
PRODUCT DEVELOPMENT
RURAL LAND USE
STARSITE PROGRAM
TRAINING ANALYSIS
URBAN DEVELOPMENT

DEVIATION
1902 3406 3407
RT ABERRATION
ABNORMALITIES
ASYMMETRY
% DISPERSION
DISTORTION
DIVERGENCE
% DRIFT
ECCENTRICITY
HETEROGENEITY
IRREGULARITIES
NONSYNCHRONIZATION
VARIATIONS

% DEVICES
0902 0905 0906 1601 2303
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT AIR BAG RESTRAINT DEVICES
ALPHA PLASMA DEVICES
ANTISKID DEVICES
BULK ACOUSTIC WAVE DEVICES
CHIPS (MEMORY DEVICES)
CYCLOTRON RESONANCE DEVICES
ERROR CORRECTING DEVICES
EXPLOSIVE DEVICES
LIFT DEVICES
LIFTING BODIES
MECHANICAL DEVICES
NDM SEMICONDUCTOR DEVICES
NUCLEAR DEVICES
PHOTOELECTROCHEMICAL DEVICES
PLASMA DISPLAY DEVICES
POSITIONING DEVICES (MACHINERY)
SAFETY DEVICES
SELF ERECTING DEVICES
SELF REPAIRING DEVICES
SOLID STATE DEVICES
SURFACE ACOUSTIC WAVE DEVICES
TRAINING DEVICES
TRAPATT DEVICES

DEVITRIFICATION
USE CRYSTALLIZATION

DEW
1203 2003 3304 3501
RT ACID RAIN
FROST
PRECIPITATION (METEOROLOGY)
WATER VAPOR

DEW POINT
1703
RT ATMOSPHERIC MOISTURE
CONDENSING
HYGROMETERS
SATURATION (CHEMISTRY)

DEWAR SYSTEMS
USE CRYOGENIC EQUIPMENT

DEWATERING
0602
RT DEHYDRATION
DRYING
POLLUTION CONTROL
WASTE DISPOSAL
WATER RECLAMATION

DEWAXING
0602 3404
RT DECONTAMINATION
REFINING

DEWETTING
USE DRYING

DEXTRANS
0403 1808
GS ORGANIC COMPOUNDS
.CARBOHYDRATES
..POLYSACCHARIDES
..#DEXTRANS
..SUGARS
..#DEXTRANS

DF
USE DEUTERIUM FLUORIDES

DF LASERS
1601
UF DEUTERIUM FLUORIDE LASERS
GS STIMULATED EMISSION DEVICES
.LASERS
..GAS LASERS
..#DF LASERS
RT DEUTERIUM FLUORIDES

```
DFA
  USE  DELAYED FLAP APPROACH

DH 106 AIRCRAFT
  USE  COMET 4 AIRCRAFT

DH 112 AIRCRAFT
  0207
  UF   DE HAVILLAND DH 112 AIRCRAFT
       DE HAVILLAND VENOM AIRCRAFT
       VENOM AIRCRAFT
  GS   ATTACK AIRCRAFT
       #DH 112 AIRCRAFT
       DE HAVILLAND AIRCRAFT
       #DH 112 AIRCRAFT
       HAWKER SIDDELEY AIRCRAFT
       #DH 112 AIRCRAFT
       JET AIRCRAFT
       #DH 112 AIRCRAFT
       MONOPLANES
       #DH 112 AIRCRAFT
  RT % AIRCRAFT

DH 115 AIRCRAFT
  0207
  UF   DE HAVILLAND DH 115 AIRCRAFT
       VAMPIRE AIRCRAFT
  GS   ATTACK AIRCRAFT
       #DH 115 AIRCRAFT
       DE HAVILLAND AIRCRAFT
       #DH 115 AIRCRAFT
       HAWKER SIDDELEY AIRCRAFT
       #DH 115 AIRCRAFT
       JET AIRCRAFT
       #DH 115 AIRCRAFT
       MONOPLANES
       #DH 115 AIRCRAFT
       TRAINING AIRCRAFT
       #DH 115 AIRCRAFT
  RT % AIRCRAFT

DH 121 AIRCRAFT
  0204
  UF   DE HAVILLAND DH 121 AIRCRAFT
       TRIDENT AIRCRAFT
  GS   COMMERCIAL AIRCRAFT
       #DH 121 AIRCRAFT
       DE HAVILLAND AIRCRAFT
       #DH 121 AIRCRAFT
       HAWKER SIDDELEY AIRCRAFT
       #DH 121 AIRCRAFT
       JET AIRCRAFT
       .TURBOFAN AIRCRAFT
       .#DH 121 AIRCRAFT
       MONOPLANES
       #DH 121 AIRCRAFT
       PASSENGER AIRCRAFT
       #DH 121 AIRCRAFT
       TRANSPORT AIRCRAFT
       #DH 121 AIRCRAFT
  RT % AIRCRAFT

DH 125 AIRCRAFT
  0204
  UF   DE HAVILLAND DH 125 AIRCRAFT
       HS-125 AIRCRAFT
       JET DRAGON AIRCRAFT
  GS   DE HAVILLAND AIRCRAFT
       #DH 125 AIRCRAFT
       GENERAL AVIATION AIRCRAFT
       #DH 125 AIRCRAFT
       HAWKER SIDDELEY AIRCRAFT
       #DH 125 AIRCRAFT
       JET AIRCRAFT
       #DH 125 AIRCRAFT
       LIGHT AIRCRAFT
       #DH 125 AIRCRAFT
       MONOPLANES
       #DH 125 AIRCRAFT
       PASSENGER AIRCRAFT
       #DH 125 AIRCRAFT
       TRANSPORT AIRCRAFT
       #DH 125 AIRCRAFT
  RT % AIRCRAFT

DHC BEAVER AIRCRAFT
  USE  DHC 2 AIRCRAFT

DHC 2 AIRCRAFT
  0201
  UF   DHC BEAVER AIRCRAFT
  GS   DE HAVILLAND AIRCRAFT
       #DHC 2 AIRCRAFT
       GENERAL AVIATION AIRCRAFT
       #DHC 2 AIRCRAFT
       JET AIRCRAFT
       #DHC 2 AIRCRAFT
       MONOPLANES
       #DHC 2 AIRCRAFT
       TRANSPORT AIRCRAFT
       #DHC 2 AIRCRAFT
  RT % AIRCRAFT

DHC 4 AIRCRAFT
  0204
  UF   AC-1 AIRCRAFT
       CARIBOU AIRCRAFT
       CV-2 AIRCRAFT
       DE HAVILLAND DHC 4 AIRCRAFT
  GS   DE HAVILLAND AIRCRAFT
       #DHC 4 AIRCRAFT
       MONOPLANES
       #DHC 4 AIRCRAFT
       TRANSPORT AIRCRAFT
       #DHC 4 AIRCRAFT
       UTILITY AIRCRAFT
       #DHC 4 AIRCRAFT
       V/STOL AIRCRAFT
       .SHORT TAKEOFF AIRCRAFT
       .#DHC 4 AIRCRAFT
  RT % AIRCRAFT

DHC 5 AIRCRAFT
  0204
  UF   BUFFALO AIRCRAFT
       CV-7 AIRCRAFT
       DE HAVILLAND DHC 5 AIRCRAFT
  GS   DE HAVILLAND AIRCRAFT
       #DHC 5 AIRCRAFT
       JET AIRCRAFT
       .TURBOPROP AIRCRAFT
       .#DHC 5 AIRCRAFT
       MONOPLANES
       #DHC 5 AIRCRAFT
       TRANSPORT AIRCRAFT
       #DHC 5 AIRCRAFT
       UTILITY AIRCRAFT
       #DHC 5 AIRCRAFT
       V/STOL AIRCRAFT
       .SHORT TAKEOFF AIRCRAFT
       .#DHC 5 AIRCRAFT
  RT % AIRCRAFT

DIABETES MELLITUS
  0405
  GS   DISEASES
       #DIABETES MELLITUS
  RT   CARBOHYDRATE METABOLISM
       ENZYME ACTIVITY
       INSULIN
       PANCREAS
       URINALYSIS

DIADEME SATELLITES
  3107
  GS   ARTIFICIAL SATELLITES
       #DIADEME SATELLITES

DIAGNOSIS
  0401 0405 0503 0802
  RT % ANALYZING
       ANESTHESIOLOGY
       BEHAVIOR
       CLINICAL MEDICINE
```

DISEASES
EXAMINATION
INJURIES
MEDICAL EQUIPMENT
MEDICAL SCIENCE
PATHOLOGY
PROGNOSIS
PSYCHOLOGY
PSYCHOMETRICS
VETERINARY MEDICINE

DIAGRAMS
1902 3406
GS #DIAGRAMS
.BENDING DIAGRAMS
.BLOCK DIAGRAMS
.CIRCUIT DIAGRAMS
.COLOR-COLOR DIAGRAM
.COLOR-MAGNITUDE DIAGRAM
.CREEP DIAGRAMS
.FEYNMAN DIAGRAMS
.HERTZSPRUNG-RUSSELL DIAGRAM
.MOLLIER DIAGRAM
.NYQUIST DIAGRAM
.PHASE DIAGRAMS
.S-N DIAGRAMS
.STRESS-STRAIN DIAGRAMS
.TEPHIGRAMS
.VENN DIAGRAMS
RT CHARTS
DRAWINGS
GEOMETRY
GRAPHIC ARTS
VISUAL AIDS

DIAL (LIDAR)
USE DIFFERENTIAL ABSORPTION LIDAR

DIAL SATELLITE
3107 3009
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
.#DIAL SATELLITE
RT AERONOMY
ASTRONOMICAL PHOTOMETRY
EUROPEAN SPACE PROGRAMS
SATELLITE-BORNE INSTRUMENTS

DIALLYL COMPOUNDS
1808
RT ALLYL COMPOUNDS
% CHEMICAL COMPOUNDS

DIALS
0506 0701 0801 0904 0905 1406 1504
3501
UF POINTERS
RT DISPLAY DEVICES
INDICATING INSTRUMENTS

DIALYSIS
0403 0602
GS #DIALYSIS
.ELECTRODIALYSIS
RT DIAPHRAGMS (MECHANICS)
DIFFUSION
EXTRACTION
PERMEATING
% SEPARATION

DIAMAGNETISM
2307 2604
UF MEISSNER EFFECT
GS MAGNETIC PROPERTIES
#DIAMAGNETISM
RT CURIE TEMPERATURE
CYCLOTRON RESONANCE
ELECTRICAL PROPERTIES
FERROMAGNETISM
PARAMAGNETISM

DIAMANT LAUNCH VEHICLE
3103 3110
GS LAUNCH VEHICLES
#DIAMANT LAUNCH VEHICLE
ROCKET VEHICLES
.MULTISTAGE ROCKET VEHICLES
.#DIAMANT LAUNCH VEHICLE
RT LIQUID PROPELLANT ROCKET ENGINES
SOLID PROPELLANT ROCKET ENGINES

DIAMETERS
1902
GS DIMENSIONS
#DIAMETERS
RT CIRCUMFERENCES
GEOMETRY
RADII
THICKNESS

DIAMINES
0403 1808
GS AMINES
#DIAMINES
..ETHYLENEDIAMINE
..GUANIDINES
...GUANETHIDINE
...TRIAMINOGUANIDINIUM AZIDE

DIAMOND FILMS
1802
GS THIN FILMS
#DIAMOND FILMS
RT AMORPHOUS SILICON
COATINGS
DIAMONDS
METAL FILMS
SEMICONDUCTING FILMS
SPACE PROCESSING
VACUUM DEPOSITION
VAPOR DEPOSITION

DIAMOND WINGS
USE LOW ASPECT RATIO WINGS
SWEPT WINGS

DIAMONDS
0603 1504 1806 1807 2601
GS #DIAMONDS
.METEORITIC DIAMONDS
RT ABRASIVES
CARBON
DIAMOND FILMS
SINGLE CRYSTALS

DIAPHRAGM (ANATOMY)
0404
GS ANATOMY
.RESPIRATORY SYSTEM
.#DIAPHRAGM (ANATOMY)
RT % DIAPHRAGMS
THORAX

% DIAPHRAGMS
0404 1504
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT DIAPHRAGM (ANATOMY)
DIAPHRAGMS (MECHANICS)
ELECTROLYTIC CELLS
MEMBRANES

DIAPHRAGMS (MECHANICS)
3203
SN (NON-ANATOMICAL)
UF BLADDERS (MECHANICS)
GS #DIAPHRAGMS (MECHANICS)
.EXPULSION BLADDERS
RT CATHOLYTES
DIALYSIS
% DIAPHRAGMS
ELECTROLYTIC CELLS
MEMBRANE STRUCTURES
MEMBRANES

```
        OPTICAL FILTERS
        OSMOSIS
        THIN PLATES
        THIN WALLS
        WEBS (SHEETS)
        WEBS (SUPPORTS)

DIASTOLE
  0401 0404 0405 0408
  GS    HEART FUNCTION
        #DIASTOLE
  RT    BLOOD CIRCULATION
        BLOOD FLOW
        BLOOD PRESSURE
        CARDIOVASCULAR SYSTEM
        DIASTOLIC PRESSURE
        HEART
        HEART RATE
        SYSTOLE

DIASTOLIC PRESSURE
  0401 0404 0405
  GS    PRESSURE
        .BLOOD PRESSURE
        .#DIASTOLIC PRESSURE
  RT    CARDIAC VENTRICLES
        DIASTOLE

DIATOMIC GASES
  0603 1203 1807 2404 3501
  GS    GASES
        .MOLECULAR GASES
        ..POLYATOMIC GASES
        ..#DIATOMIC GASES

DIATOMIC MOLECULES
  0603 1703 1807 2404
  GS    MOLECULES
        .POLYATOMIC MOLECULES
        .#DIATOMIC MOLECULES
  RT    LOW MOLECULAR WEIGHTS
        METHYLIDYNE
        MORSE POTENTIAL
        TRIATOMIC MOLECULES

DIATOMS (UNICELLULAR PLANTS)
  USE   ALGAE

DIBASIC COMPOUNDS
  0603 1703 1807
  RT %  CHEMICAL COMPOUNDS
        MONOMERS

DIBORANE
  0403 1804
  GS    BORON COMPOUNDS
        #DIBORANE
        HYDROGEN COMPOUNDS
        .HYDRIDES
        .#DIBORANE

DIBROMIDES
  0403 0603 1804
  GS    HALOGEN COMPOUNDS
        .BROMINE COMPOUNDS
        ..BROMIDES
        ..#DIBROMIDES
        .HALIDES
        ..BROMIDES
        ..#DIBROMIDES

DIBUTYL COMPOUNDS
  1808
  GS    ALKYL COMPOUNDS
        #DIBUTYL COMPOUNDS
  RT %  CHEMICAL COMPOUNDS
        TETRABUTYLS

DICARBOXYLIC ACIDS
  0403 1808
  GS    ACIDS
        .CARBOXYLIC ACIDS
        .#DICARBOXYLIC ACIDS
        ORGANIC COMPOUNDS
        .CARBOXYLIC ACIDS
        .#DICARBOXYLIC ACIDS
  RT    TEREPHTHALATE

DICHLORIDES
  0603 1804 1808
  GS    HALOGEN COMPOUNDS
        .CHLORINE COMPOUNDS
        ..CHLORIDES
        ..#DICHLORIDES
        .HALIDES
        ..CHLORIDES
        ..#DICHLORIDES

DICHLORODIPHENYLTRICHLOROETHANE
  USE   DDT

DICHOTOMIES
  0404 3001 3405 3406
  GS    CLASSIFICATIONS
        .HIERARCHIES
        .#DICHOTOMIES

DICHROISM
  2306 2310
  GS    ELECTROMAGNETIC PROPERTIES
        .OPTICAL PROPERTIES
        .#DICHROISM
  RT    COLOR
        ISOCHROMATICS
        LIGHT (VISIBLE RADIATION)
        PHOTOELASTICITY

DICHROMATES
  USE   CHROMATES

DICKE RADIOMETERS
  1406 2402 2903
  UF    DICKE TYPE RADIOMETERS
  GS    MEASURING INSTRUMENTS
        .RADIATION MEASURING INSTRUMENTS
        ..ACTINOMETERS
        ...RADIOMETERS
        ...#DICKE RADIOMETERS
  RT    BOLOMETERS
        THERMOPILES

DICKE TYPE RADIOMETERS
  USE   DICKE RADIOMETERS

DICTIONARIES
  3405
  UF    GLOSSARIES
  RT    CODING
        DECODING
        DEFINITION
        DOCUMENTS
        NOMENCLATURES
        SPACE GLOSSARIES
        TERMINOLOGY

DIDYMIUM
  0603
  RT    LANTHANUM
        NEODYMIUM
        OPTICAL FILTERS
        PRASEODYMIUM

DIELDRIN
  0403 0405 0412 1808
  GS    POISONS
        .PESTICIDES
        ..INSECTICIDES
        ..#DIELDRIN

DIELECTRIC CONSTANT
  USE   PERMITTIVITY

DIELECTRIC MATERIALS
  USE   DIELECTRICS
```

```
DIELECTRIC PERMEABILITY
  2302 2304 3408
  GS   PERMEABILITY
       #DIELECTRIC PERMEABILITY
  RT   MAGNETIC PERMEABILITY

DIELECTRIC POLARIZATION
  2304
  GS   POLARIZATION (CHARGE SEPARATION)
       #DIELECTRIC POLARIZATION
  RT   DIELECTRICS
       ELECTRETS
       ELECTRIC FIELDS

DIELECTRIC PROPERTIES
  0904 1504 1801 1805
  GS   ELECTRICAL PROPERTIES
       #DIELECTRIC PROPERTIES
       ..PERMITTIVITY
  RT   ANTIFERROELECTRICITY
       CAPACITANCE
       FERROELECTRICITY
     % PROPERTIES
       SOMMERFELD WAVES

DIELECTRICS
  0904 1504 1801 1805 1809 1810 2304
  2602
  UF   DIELECTRIC MATERIALS
  GS  #DIELECTRICS
       .LOSSLESS MATERIALS
       .RADOME MATERIALS
  RT   BARIUM TITANATES
       CAPACITANCE SWITCHES
       CAPACITIVE FUEL GAGES
       CAPACITORS
       CERAMICS
       DIELECTRIC POLARIZATION
       ELECTRETS
       ELECTRIC CONDUCTORS
       ELECTRICAL INSULATION
       ELECTROMAGNETIC SURFACE WAVES
       FIELD MODE THEORY
     % INSULATED STRUCTURES
       INSULATORS
       MAGNETOELECTRIC MEDIA
       SCREEN EFFECT
       SPARK GAPS
       SULFUR HEXAFLUORIDE

DIELECTRONIC SATELLITE LINES
  USE  RESONANCE LINES

DIELS-ALDER REACTIONS
  0403
  GS   CHEMICAL REACTIONS
       #DIELS-ALDER REACTIONS
  RT   ORGANIC CHEMISTRY

DIENCEPHALON
  0404
  GS   ANATOMY
       .NERVOUS SYSTEM
       ..CENTRAL NERVOUS SYSTEM
       ...BRAIN
       ...#DIENCEPHALON
       .....HYPOTHALAMUS
       .....PINEAL GLAND
       .....THALAMUS
  RT   EMBRYOLOGY

DIENES
  0403 1808
  GS   ORGANIC COMPOUNDS
       .HYDROCARBONS
       ..ALIPHATIC HYDROCARBONS
       ..#DIENES
       ....BUTADIENE
       ....HEPTADIENE
       ....HEXADIENE
       ....POLYBUTADIENE

DIES
  1504 1704
  RT   CASTING
       COINING
       CUTTERS
       EXTRUDING
       INJECTION MOLDING
       MACHINE TOOLS
       MOLDS
       PULTRUSION
       PUNCHES
       RHEOCASTING
       STAMPING

DIESEL ENGINES
  1504 3301 3304 3404
  GS   ENGINES
       .INTERNAL COMBUSTION ENGINES
       .#DIESEL ENGINES
       .PISTON ENGINES
       .#DIESEL ENGINES
  RT   LOCOMOTIVES

DIESEL FUELS
  2701
  GS   FUELS
       .CHEMICAL FUELS
       ..HYDROCARBON FUELS
       ..#DIESEL FUELS
       ..LIQUID FUELS
       ..#DIESEL FUELS
       PRODUCTS
       .PETROLEUM PRODUCTS
       .#DIESEL FUELS
  RT   AUTOMOBILE FUELS
       GASOLINE
       INTERNAL COMBUSTION ENGINES
       KEROSENE

DIETHYL COMPOUNDS
  0603 1808
  GS   ORGANIC COMPOUNDS
       #DIETHYL COMPOUNDS
       ..DIETHYL ETHER
       ..DIETHYL HYDROGEN PHOSPHITE (DEHP)
  RT   ETHYL COMPOUNDS
       TRIETHYL COMPOUNDS

DIETHYL ETHER
  0403 1808
  GS   ETHERS
       #DIETHYL ETHER
       ORGANIC COMPOUNDS
       .DIETHYL COMPOUNDS
       .#DIETHYL ETHER

DIETHYL HYDROGEN PHOSPHITE (DEHP)
  0403 1808
  UF   DEHP
  GS   ORGANIC COMPOUNDS
       .DIETHYL COMPOUNDS
       .#DIETHYL HYDROGEN PHOSPHITE (DEHP)
       PHOSPHORUS COMPOUNDS
       #DIETHYL HYDROGEN PHOSPHITE (DEHP)
  RT   ETHYL COMPOUNDS

DIETS
  0401 0405 0408
  RT   CALORIC REQUIREMENTS
       FASTING
     % FOOD
       NUTRITION
       SPACE FLIGHT FEEDING

DIFFERENCE EQUATIONS
  1902 1903 3501
  GS   ANALYSIS (MATHEMATICS)
       .NUMERICAL ANALYSIS
       .#DIFFERENCE EQUATIONS
  RT   APPROXIMATION
       DIFFERENCES
       DIFFERENTIAL EQUATIONS
     % EQUATIONS
```

FINITE DIFFERENCE THEORY
LINEAR EVOLUTION EQUATIONS
NONLINEAR EVOLUTION EQUATIONS
NUMERICAL STABILITY

DIFFERENCES
1902 3406
RT DIFFERENCE EQUATIONS
DIVERGENCE
FINITE DIFFERENCE THEORY
GRADIENTS
VARIATIONS

DIFFERENTIAL ABSORPTION LIDAR
UF DIAL (LIDAR)
GS RADAR
.OPTICAL RADAR
.#DIFFERENTIAL ABSORPTION LIDAR
RT ABSORPTION SPECTRA
ATMOSPHERIC SOUNDING
BACKSCATTERING
RADAR MEASUREMENT
REMOTE SENSING

DIFFERENTIAL ALGEBRA
USE DIFFERENTIAL CALCULUS
MATRICES (MATHEMATICS)

DIFFERENTIAL AMPLIFIERS
0906
GS AMPLIFIERS
#DIFFERENTIAL AMPLIFIERS
RT ANALOG COMPUTERS
ERROR SIGNALS
OPERATIONAL AMPLIFIERS
TRANSISTOR AMPLIFIERS

DIFFERENTIAL ANALYZERS
RT ALGORITHMS
ANALOG COMPUTERS
COMPUTERIZED SIMULATION
DIFFERENTIAL EQUATIONS
DIGITAL COMPUTERS
DIGITAL INTEGRATORS

DIFFERENTIAL CALCULUS
1902
UF DERIVATION CALCULUS
DIFFERENTIAL ALGEBRA
GS ANALYSIS (MATHEMATICS)
.CALCULUS
.#DIFFERENTIAL CALCULUS
RT % DIFFERENTIATION
DIFFERENTIATORS
INTEGRAL CALCULUS
LIMITS (MATHEMATICS)
MINIMA
NUMERICAL DIFFERENTIATION
OPTIMIZATION
REAL VARIABLES

DIFFERENTIAL EQUATIONS
1902 3501
UF DIFFERENTIAL OPERATORS
INTEGRODIFFERENTIAL EQUATIONS
GS ANALYSIS (MATHEMATICS)
.REAL VARIABLES
.#DIFFERENTIAL EQUATIONS
...BLASIUS EQUATION
...CHANDRASEKHAR EQUATION
...COSINE SERIES
...DUFFING DIFFERENTIAL EQUATION
...FALKNER-SKAN EQUATION
...HYPERBOLIC DIFFERENTIAL EQUATIONS
...LAME WAVE EQUATIONS
...PARTIAL DIFFERENTIAL EQUATIONS
....BIHARMONIC EQUATIONS
....BURGER EQUATION
....CAUCHY-RIEMANN EQUATIONS
....ELLIPTIC DIFFERENTIAL EQUATIONS
.....MONGE-AMPERE EQUATION
....EULER-CAUCHY EQUATIONS
....FOKKER-PLANCK EQUATION
....GAUSS EQUATION
....HELMHOLTZ VORTICITY EQUATION
....LIOUVILLE EQUATIONS
....PARABOLIC DIFFERENTIAL EQUATIONS
....POISSON EQUATION
....VLASOV EQUATIONS
...RICCATI EQUATION
...VORTICITY EQUATIONS
....HELMHOLTZ VORTICITY EQUATION
RT AIRY FUNCTION
ALTERNATING DIRECTION IMPLICIT METHODS
ASYMPTOTIC PROPERTIES
BACKWARD DIFFERENCING
BESSEL FUNCTIONS
BETHE-SALPETER EQUATION
BOND GRAPHS
BOUNDARY LAYER EQUATIONS
BOUNDARY VALUE PROBLEMS
CALCULUS
CALCULUS OF VARIATIONS
CAUCHY PROBLEM
CRANK-NICHOLSON METHOD
DIFFERENCE EQUATIONS
DIFFERENTIAL ANALYZERS
DIRICHLET PROBLEM
DISTRIBUTED PARAMETER SYSTEMS
% EQUATIONS
FLOQUET THEOREM
FOURIER ANALYSIS
FOURIER-BESSEL TRANSFORMATIONS
FUNCTIONAL INTEGRATION
GREEN'S FUNCTIONS
HALF PLANES
HANKEL FUNCTIONS
HILL DETERMINANT
INTEGRAL EQUATIONS
INTEGRALS
LAGRANGE MULTIPLIERS
LAME FUNCTIONS
LAPLACE TRANSFORMATION
LIAPUNOV FUNCTIONS
LINEAR EQUATIONS
LINEARITY
LIPSCHITZ CONDITION
MATHIEU FUNCTION
MAXIMUM PRINCIPLE
MILNE METHOD
NEUMANN PROBLEM
NONLINEAR EQUATIONS
NONLINEARITY
NUMERICAL ANALYSIS
NUMERICAL DIFFERENTIATION
NUMERICAL INTEGRATION
NUMERICAL STABILITY
OPERATIONAL CALCULUS
PFAFF EQUATION
POTENTIAL THEORY
PREDICTOR-CORRECTOR METHODS
RIEMANN WAVES
RIESZ THEOREM
SCHAUDER FIXPOINT THEOREM
SCHMIDT METHOD
SPECTRAL METHODS
STABILITY DERIVATIVES
STURM-LIOUVILLE THEORY
VECTOR ANALYSIS
WHITTAKER FUNCTIONS

DIFFERENTIAL GEOMETRY
1902
UF NONEUCLIDIAN GEOMETRY
GS GEOMETRY
#DIFFERENTIAL GEOMETRY
..LIE GROUPS
...SPINOR GROUPS
..RIEMANN MANIFOLD
..TENSOR ANALYSIS
RT ANALYTIC GEOMETRY
% ANALYZING

CURVATURE
CURVES (GEOMETRY)
INVARIANT IMBEDDINGS
LOFTING
RELATIVITY

DIFFERENTIAL INTERFEROMETRY
1405 2310
GS INTERFEROMETRY
#DIFFERENTIAL INTERFEROMETRY
RT FLOW VISUALIZATION
HOLOGRAPHY
SCHLIEREN PHOTOGRAPHY

DIFFERENTIAL OPERATORS
USE DIFFERENTIAL EQUATIONS
OPERATORS (MATHEMATICS)

DIFFERENTIAL PRESSURE
1406 3501
GS PRESSURE
#DIFFERENTIAL PRESSURE
RT PRESSURE DISTRIBUTION
PRESSURE GRADIENTS
PRESSURE MEASUREMENT

DIFFERENTIAL PULSE CODE MODULATION
0702
UF DPCM (MODULATION)
GS CODING
.SIGNAL ENCODING
..PULSE MODULATION
...PULSE CODE MODULATION
...#DIFFERENTIAL PULSE CODE MODULATION
MODULATION
.PULSE MODULATION
..PULSE CODE MODULATION
..#DIFFERENTIAL PULSE CODE MODULATION
RT BITERNARY CODE
DECOMMUTATORS
LINEAR PREDICTION
P.A.C.M. TELEMETRY
PCM TELEMETRY
PULSE COMMUNICATION
PULSE FREQUENCY MODULATION
TELEMETRY
UNIFIED S BAND

DIFFERENTIAL THERMAL ANALYSIS
USE THERMAL ANALYSIS

% DIFFERENTIATION
1902 3406 3407
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT TERMS LISTED BELOW)
RT ANATOMY
CYTOGENESIS
DIFFERENTIAL CALCULUS
DIFFERENTIATION (BIOLOGY)
DISCRIMINATION

DIFFERENTIATION (BIOLOGY)
0404
GS CYTOGENESIS
#DIFFERENTIATION (BIOLOGY)
RT ANATOMY
% BIOLOGY
% DIFFERENTIATION
EMBRYOLOGY
MORPHOLOGY
PHYSIOLOGY

DIFFERENTIATORS
0801 1413
RT CIRCUITS
DIFFERENTIAL CALCULUS
INTEGRATORS
% NETWORKS

DIFFRACTION
0710 2301 2306 2309 2310 2603 3407
UF INTERFERENCE MONOCHROMATIZATION
KIRCHHOFF-HUYGENS PRINCIPLE
GS #DIFFRACTION
.ELECTRON DIFFRACTION
.FRESNEL DIFFRACTION
.NEUTRON DIFFRACTION
.PULSE DIFFRACTION
.WAVE DIFFRACTION
.X RAY DIFFRACTION
RT ATMOSPHERIC SCATTERING
ATTENUATION
BRAGG ANGLE
CAUSTICS (OPTICS)
CRYSTAL OPTICS
DEBYE-SCHERRER METHOD
DEFLECTION
DIFFRACTOMETERS
ECHELETTE GRATINGS
ECHELLE GRATINGS
ELECTROMAGNETIC RADIATION
GEOMETRICAL THEORY OF DIFFRACTION
HUYGENS PRINCIPLE
ISOCHROMATICS
LAUE METHOD
MOIRE EFFECTS
MOSAICS
OPTICAL PROPERTIES
RAY TRACING
REFRACTION
TRANSMISSION
WAVE DISPERSION
WAVE PROPAGATION

DIFFRACTION GRATINGS
USE GRATINGS (SPECTRA)

DIFFRACTION LIMITED CAMERAS
1404 1407 1412 3501
GS OPTICAL EQUIPMENT
.CAMERAS
.#DIFFRACTION LIMITED CAMERAS
PHOTOGRAPHIC EQUIPMENT
.CAMERAS
.#DIFFRACTION LIMITED CAMERAS
RT ASTRONOMICAL PHOTOGRAPHY
SPACEBORNE PHOTOGRAPHY
SPACEBORNE TELESCOPES

DIFFRACTION PATHS
0710 2306 2310 2402
RT BRAGG ANGLE
ELECTRON TRAJECTORIES
MULTIPATH TRANSMISSION
OPTICAL PATHS
% PATHS
SPHERICAL WAVES

DIFFRACTION PATTERNS
0710 2306 2310 2402 2403
UF FRINGE PATTERNS
GS DISTRIBUTION (PROPERTY)
.RADIATION DISTRIBUTION
.#DIFFRACTION PATTERNS
...KOSSEL PATTERN
...RAINBOWS
RT DIFFRACTOMETERS
FRESNEL INTEGRALS
FRESNEL REGION
FRINGE MULTIPLICATION
GEOMETRICAL THEORY OF DIFFRACTION
HOLOGRAPHIC INTERFEROMETRY
INTERFEROMETRY
MOIRE FRINGES
MOIRE INTERFEROMETRY
NULL ZONES
% OPTICS
% PATTERNS
PHASE CONTRAST
POMERANCHUK THEOREM
SIGNAL FADING
SPECKLE HOLOGRAPHY

```
        SPECKLE INTERFEROMETRY
        SPECKLE PATTERNS
        UNDERWATER OPTICS
        VERY LONG BASE INTERFEROMETRY

DIFFRACTION PROPAGATION
  0710 2306 2310 2402 2403
  GS    TRANSMISSION
        .WAVE PROPAGATION
        .#DIFFRACTION PROPAGATION
  RT    DIFFRACTION RADIATION
        GEOMETRICAL OPTICS
      % OPTICS
      % PROPAGATION
        SPHERICAL WAVES
        UNDERWATER OPTICS

DIFFRACTION RADIATION
  1002 1601 2309
  GS    ELECTROMAGNETIC RADIATION
        #DIFFRACTION RADIATION
  RT    BREMSSTRAHLUNG
        CYCLOTRON RESONANCE DEVICES
        DIFFRACTION PROPAGATION
        ELECTRON BEAMS
        ELECTRON DIFFRACTION
        FREE ELECTRON LASERS
        GRATINGS (SPECTRA)
        LASER OUTPUTS
        LIGHT EMISSION
        MASER OUTPUTS
        MASERS
        MICROWAVE EMISSION
        MICROWAVE OSCILLATORS
        MICROWAVE TUBES
        MICROWAVES
        NONUNIFORM MAGNETIC FIELDS
        PARTICLE MOTION
        RELATIVISTIC ELECTRON BEAMS
        STIMULATED EMISSION DEVICES
        TRANSFERRED ELECTRON DEVICES
        TUNABLE LASERS
        WAVE DIFFRACTION
        WAVE EXCITATION
        WIGGLER MAGNETS

DIFFRACTION TELESCOPES
  USE   SPECTROSCOPIC TELESCOPES

DIFFRACTOMETERS
  0710 1406 1411 2306 2310 2402 2403
  3501
  GS    MEASURING INSTRUMENTS
        .OPTICAL MEASURING INSTRUMENTS
        .#DIFFRACTOMETERS
        OPTICAL EQUIPMENT
        .OPTICAL MEASURING INSTRUMENTS
        .#DIFFRACTOMETERS
  RT    CHEMICAL ANALYSIS
        DIFFRACTION
        DIFFRACTION PATTERNS
        ETALONS
        GONIOMETERS
        INTERFEROMETERS
        MACH-ZEHNDER INTERFEROMETERS
        OPTICAL MEASUREMENT
        PHOTOGONIOMETERS
        SPECTROMETERS
        WAVE FRONT RECONSTRUCTION

DIFFUSE RADIATION
  0710 2306 2310 2402 2903
  UF    LUNAR SCATTERING
  RT    HEAT TRANSFER
        LIGHT SCATTERING
        POINT SOURCES
      % RADIATION
        SPECULAR REFLECTION

% DIFFUSERS
  0101 1201 1202 1203
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  UF    SHOCK DIFFUSERS
  RT    AIR CONDITIONING
        AIR CONDITIONING EQUIPMENT
        ATTENUATORS
        BAFFLES
        BOUNDARY LAYER SEPARATION
        CEILINGS (ARCHITECTURE)
        CHOKES
        CONICAL FLOW
        DEFLECTORS
        DIFFUSION
        DIVERTERS
        ENGINE INLETS
        EXHAUST DIFFUSERS
        HYPERSONIC INLETS
      % ILLUMINATION
        INLET FLOW
        INLET NOZZLES
        LOUVERS
        MIXERS
        MUFFLERS
      % NOZZLES
        POROUS WALLS
        PRESSURE RECOVERY
        SEPARATORS
        SPRAYERS
        SUPERSONIC DIFFUSERS
        VANELESS DIFFUSERS
        VENTILATORS

DIFFUSION
  1202 1203 1507 2311 2502 2603 2803
  UF    DIFFUSION EFFECT
        PERFUSION
  GS   #DIFFUSION
        .AMBIPOLAR DIFFUSION
        .ATMOSPHERIC DIFFUSION
        .GASEOUS DIFFUSION
        ..GASEOUS SELF-DIFFUSION
        .MAGNETIC DIFFUSION
        .MOLECULAR DIFFUSION
        .PARTICLE DIFFUSION
        ..ELECTRON DIFFUSION
        ..IONIC DIFFUSION
        .PLASMA DIFFUSION
        .SELF DIFFUSION (SOLID STATE)
        .SELF PROPAGATION
        .SPECIES DIFFUSION
        .SURFACE DIFFUSION
        .THERMAL DIFFUSION
        .TURBULENT DIFFUSION
  RT  % ABSORPTION
        ADSORPTION
        AIR POLLUTION
        ATMOSPHERIC SCATTERING
        CHEMICAL ENGINEERING
        CIRCULATION
        CONVECTION-DIFFUSION EQUATION
        DEHUMIDIFICATION
        DIALYSIS
      % DIFFUSERS
        DIFFUSION LENGTH
        DIFFUSIVITY
        DILUTION
        DISPERSING
      % DISPERSION
        DISSIPATION
        DISSOLVING
        DISTILLATION
        DRYING
      % EFFECTS
        EINSTEIN EQUATIONS
      % EQUILIBRIUM
        EVAPORATION
        EXTRACTION
        FICKS EQUATION
        GAS-METAL INTERACTIONS
        KINETIC THEORY
        MIXING
        NONPOINT SOURCES
        OSMOSIS
```

```
        PENETRATION
        PERCOLATION
        PERMEABILITY
        PERMEATING
      % PROPAGATION
        RADIAL FLOW
        REFLECTION
        SCATTERING
        SELF ABSORPTION
      % SEPARATION
        SOUND PROPAGATION
        SOUND WAVES
        SPRAYING
        SPREADING
        SUBLIMATION
        SURFACE PROPERTIES
        THERMOPHORESIS
        TRANSPORT PROPERTIES

DIFFUSION BONDING
  USE   DIFFUSION WELDING

DIFFUSION COEFFICIENT
  1203 2404 3304 3501
  GS    COEFFICIENTS
        #DIFFUSION COEFFICIENT
        ..SORET COEFFICIENT
        TRANSPORT PROPERTIES
        #DIFFUSION COEFFICIENT
        ..SORET COEFFICIENT
  RT    ATTENUATION COEFFICIENTS
        CONVECTION-DIFFUSION EQUATION
      % EQUILIBRIUM
        FICKS EQUATION
        GASEOUS DIFFUSION
        LEWIS NUMBERS
        MASS FLOW RATE
        MOLECULAR DIFFUSION
        PARTICLE DIFFUSION

DIFFUSION EFFECT
  USE   DIFFUSION

DIFFUSION ELECTRODES
  0604 0904 1504 1702 1802 2304 2308
  GS    ELECTRODES
        #DIFFUSION ELECTRODES
  RT    ELECTROLYTIC CELLS
        SEMICONDUCTOR DEVICES

DIFFUSION FLAMES
  0101 1203 3301 3501
  GS    FLAMES
        #DIFFUSION FLAMES
  RT    BOUNDARY LAYER COMBUSTION
        COMBUSTION
        DAMKOHLER NUMBER

DIFFUSION LENGTH
  1203 2403 2405 3408 3501
  GS    DIMENSIONS
        .LENGTH
        .#DIFFUSION LENGTH
        DISTANCE
        #DIFFUSION LENGTH
  RT    CARRIER TRANSPORT (SOLID STATE)
        DIFFUSION
        ELECTRON DIFFUSION
        MINORITY CARRIERS
        PARTICLE DIFFUSION
        SEMICONDUCTOR DEVICES
        SOLAR CELLS

DIFFUSION PUMPS
  1501
  GS    PUMPS
        #DIFFUSION PUMPS
  RT    VACUUM APPARATUS
        VACUUM PUMPS

DIFFUSION THEORY
  0603 1203 1704 1902 2403 2404 3501
  RT    EINSTEIN EQUATIONS
        FOKKER-PLANCK EQUATION
        JACOBI INTEGRAL
        KINETIC THEORY
        KIRKENDALL EFFECT
        MONTE CARLO METHOD
      % THEORIES
        TRANSPORT THEORY

DIFFUSION WAVES
  0710 2306 2310 2402 2403
  RT    ELASTIC WAVES
        ELECTRON DIFFUSION
        ELECTROSTATIC WAVES
        IONIC DIFFUSION
        KINETIC THEORY
        MOLECULAR DIFFUSION
        PLASMA DIFFUSION
        PLASMA WAVES

DIFFUSION WELDING
  0602 1507 1704
  UF    DIFFUSION BONDING
  GS    WELDING
        .PRESSURE WELDING
        .#DIFFUSION WELDING
  RT    BONDING
        BURNERS
        KIRKENDALL EFFECT
        METAL BONDING
        METAL-METAL BONDING

DIFFUSION-CONVECTION EQUATION
  USE   CONVECTION-DIFFUSION EQUATION

DIFFUSIVITY
  0101 1203 3301
  RT    DIFFUSION
        FLUID MECHANICS
        IMPEDANCE
        KIRKENDALL EFFECT
        MOBILITY
        NDM SEMICONDUCTOR DEVICES
        PERMEABILITY
      % PHYSICAL PROPERTIES
      % RESISTANCE
        SOLUBILITY
        THERMODYNAMIC PROPERTIES

DIFLUORIDES
  0603 1804 1808
  GS    HALOGEN COMPOUNDS
        .FLUORINE COMPOUNDS
        ..FLUORIDES
        ..#DIFLUORIDES
        ....CALCIUM FLUORIDES
        .....FLUORSPAR
        .HALIDES
        ..FLUORIDES
        ..#DIFLUORIDES
        ....CALCIUM FLUORIDES
        .....FLUORSPAR

DIFLUORO COMPOUNDS
  0603 1804 1808
  GS    HALOGEN COMPOUNDS
        .FLUORINE COMPOUNDS
        ..FLUORO COMPOUNDS
        ..#DIFLUORO COMPOUNDS
        ....PERFLUOROALKANE
        ....POLYTETRAFLUOROETHYLENE
        .....TEFLON (TRADEMARK)
  RT  % CHEMICAL COMPOUNDS

DIFLUOROUREA
  0403 1808
  GS    AMINES
        #DIFLUOROUREA
        NITROGEN COMPOUNDS
        .AMIDES
        ..UREAS
        ..#DIFLUOROUREA
```

DIGESTING
  0404 0405
  RT EATING
     ENZYMOLOGY
   % FOOD
     LYSINE
     MASTICATION
     PHYSIOLOGY
     SOFTENING

DIGESTIVE SYSTEM
  0404 0405 0408
  GS ANATOMY
     #DIGESTIVE SYSTEM
     ..ESOPHAGUS
     ..GASTROINTESTINAL SYSTEM
     ...APPENDIX (ANATOMY)
     ...INTESTINES
     ....RECTUM
     ...STOMACH
     ..MOUTH
     ..PANCREAS
     ..SALIVARY GLANDS
     ..TEETH
     ..TONGUE
  RT ABDOMEN
     ENZYME ACTIVITY
     ENZYMOLOGY
     GALL
     ORGANS
     SALIVA
   % SYSTEMS

DIGITAL CIRCUITS
  USE DIGITAL ELECTRONICS
      LOGIC CIRCUITS

DIGITAL COMMAND SYSTEMS
  0503 0905
  RT NUMERICAL CONTROL
     REMOTE CONTROL
     SERVOCONTROL
   % SYSTEMS

DIGITAL COMMUNICATION
  USE PULSE COMMUNICATION

DIGITAL COMPUTERS
  0801 1201
  GS DATA PROCESSING EQUIPMENT
     .COMPUTERS
     .#DIGITAL COMPUTERS
     ...CDC CYBER 74 COMPUTER
     ...CDC CYBER 170 SERIES COMPUTERS
     ...CDC CYBER 174 COMPUTER
     ...CDC CYBER 203 COMPUTER
     ...CDC CYBER 205 COMPUTER
     ...CDC STAR 100 COMPUTER
     ...CDC 160-A COMPUTER
     ...CDC 1604 COMPUTER
     ...CDC 3100 COMPUTER
     ...CDC 3200 COMPUTER
     ...CDC 3600 COMPUTER
     ...CDC 3800 COMPUTER
     ...CDC 6000 SERIES COMPUTERS
     ....CDC 6400 COMPUTER
     ....CDC 6600 COMPUTER
     ....CDC 6700 COMPUTER
     ...CDC 7000 SERIES COMPUTERS
     ....CDC 7600 COMPUTER
     ...CDC 8090 COMPUTER
     ...EAI 680 COMPUTER
     ...EAI 8400 COMPUTER
     ...EAI 8900 COMPUTER
     ...EMR 6050 COMPUTER
     ...FERRANTI MERCURY COMPUTER
     ...GE COMPUTERS
     ....GE 625 COMPUTER
     ....GE 635 COMPUTER
     ...HEWLETT-PACKARD COMPUTERS
     ...HONEYWELL COMPUTERS
     ....DDP 516 COMPUTER
     ....HONEYWELL ADEPT COMPUTER
     ....HONEYWELL DDP 116 COMPUTER
     ....HONEYWELL 600/6000 COMPUTER
     ...IBM 360 COMPUTER
     ...IBM 370 COMPUTER
     ...IBM 650 COMPUTER
     ...IBM 704 COMPUTER
     ...IBM 709 COMPUTER
     ...IBM 1130 COMPUTER
     ...IBM 1401 COMPUTER
     ...IBM 1410 COMPUTER
     ...IBM 1620 COMPUTER
     ...IBM 2250 COMPUTER
     ...IBM 7030 COMPUTER
     ...IBM 7040 COMPUTER
     ...IBM 7044 COMPUTER
     ...IBM 7070 COMPUTER
     ...IBM 7074 COMPUTER
     ...IBM 7090 COMPUTER
     ...IBM 7094 COMPUTER
     ...ICL COMPUTERS
     ...ILLIAC COMPUTERS
     ....ILLIAC 3 COMPUTER
     ....ILLIAC 4 COMPUTER
     ...MICROCOMPUTERS
     ....PERSONAL COMPUTERS
     .....IBM PERSONAL COMPUTERS
     .....MACINTOSH PERSONAL COMPUTERS
     ...MINICOMPUTERS
     ....NOVA COMPUTERS
     ...MODCOMP II COMPUTER
     ...MODCOMP IV COMPUTER
     ...PARALLEL COMPUTERS
     ....MASSIVELY PARALLEL PROCESSORS
     .....CONNECTION MACHINE
     ....MIMD (COMPUTERS)
     ....SIMD (COMPUTERS)
     ...PDP COMPUTERS
     ....PDP 7 COMPUTER
     ....PDP 8 COMPUTER
     ....PDP 9 COMPUTER
     ....PDP 10 COMPUTER
     ....PDP 11 COMPUTER
     ....PDP 11/20 COMPUTER
     ....PDP 11/40 COMPUTER
     ....PDP 11/45 COMPUTER
     ....PDP 11/50 COMPUTER
     ....PDP 11/70 COMPUTER
     ....PDP 12 COMPUTER
     ...PDP 15 COMPUTER
     ...PHILCO 2000 COMPUTER
     ...RAYTHEON COMPUTERS
     ...RCA SPECTRA 70 COMPUTER
     ...SDS 900 SERIES COMPUTERS
     ....SDS 930 COMPUTER
     ...SDS 9300 COMPUTER
     ...SEL COMPUTERS
     ...SEQUENTIAL COMPUTERS
     ...SIGMA COMPUTERS
     ....SIGMA 9 COMPUTER
     ...SIGMA 5 COMPUTER
     ...SOLOMON COMPUTERS
     ...UNIVAC LARC COMPUTER
     ...UNIVAC 80 COMPUTER
     ...UNIVAC 418 COMPUTER
     ...UNIVAC 490 COMPUTER
     ...UNIVAC 494 COMPUTER
     ...UNIVAC 1100 SERIES COMPUTERS
     ....UNIVAC 1105 COMPUTER
     ....UNIVAC 1106 COMPUTER
     ....UNIVAC 1107 COMPUTER
     ....UNIVAC 1108 COMPUTER
     ....UNIVAC 1110 COMPUTER
     ...UNIVAC 1230 COMPUTER
     ...VAX COMPUTERS
     ....VAX-11 SERIES COMPUTERS
     .....VAX-11/780 COMPUTER
  RT ANALOG COMPUTERS
     ANALOG TO DIGITAL CONVERTERS
     ASSOCIATIVE PROCESSING (COMPUTERS)
     CDC COMPUTERS
     COMPUTER COMPATIBLE TAPES
     COMPUTER PROGRAM INTEGRITY

```
        COMPUTER PROGRAMS
        COMPUTER SYSTEMS PROGRAMS
        DATA PROCESSING
        DDP COMPUTERS
        DIFFERENTIAL ANALYZERS
        HYBRID COMPUTERS
        IBM COMPUTERS
        LOGIC CIRCUITS
        TURING MACHINES
        UNIVAC COMPUTERS

DIGITAL DATA
  0708 0802 0803
  RT    ANALOG DATA
        BINARY DATA
      % DATA
        DATA CONVERTERS
        DATA PROCESSING
        VIDEO DATA

DIGITAL ELECTRONICS
  0902 0903 1001 1002
  UF    DIGITAL CIRCUITS
  GS    CIRCUITS
        #DIGITAL ELECTRONICS
        ..LOGIC CIRCUITS
        ...THRESHOLD GATES
  RT    ANALOG TO DIGITAL CONVERTERS
        BINARY DIGITS
        COMPUTER COMPONENTS
        DIGITAL SYSTEMS
        DIGITAL TECHNIQUES
        DIGITAL TO ANALOG CONVERTERS
      % ELECTRONICS
        LOGICAL ELEMENTS

DIGITAL FILTERS
  0905 1902
  GS    ELECTROMAGNETIC WAVE FILTERS
        .ELECTRIC FILTERS
        .#DIGITAL FILTERS
        ...FIR FILTERS
  RT  % FILTERS
        MICROWAVE FILTERS

DIGITAL INTEGRATORS
  0801 0802 1201
  GS    CIRCUITS
        #DIGITAL INTEGRATORS
        INTEGRATORS
        #DIGITAL INTEGRATORS
  RT    BINARY INTEGRATION
        DIFFERENTIAL ANALYZERS
        FUNCTIONAL INTEGRATION
        NUMERICAL INTEGRATION

DIGITAL NAVIGATION
  0802 2103
  GS    DIGITAL SYSTEMS
        #DIGITAL NAVIGATION
        NAVIGATION
        #DIGITAL NAVIGATION
  RT    AIR NAVIGATION
        DEAD RECKONING
        INERTIAL NAVIGATION
        POLAR NAVIGATION
        SPACE NAVIGATION
        SURFACE NAVIGATION

DIGITAL RADAR SYSTEMS
  0705
  GS    DIGITAL SYSTEMS
        #DIGITAL RADAR SYSTEMS
  RT    AIRBORNE RADAR
        ANTIRADIATION MISSILES
        DATA PROCESSING EQUIPMENT
        RADAR DETECTION
        RADAR EQUIPMENT
        RADAR RECEIVERS
        RADAR SCANNING
        RADAR TARGETS
        RADAR TRACKING
        RADAR TRANSMISSION
        SIGNAL ANALYSIS
        SURVEILLANCE RADAR
        TRACKING RADAR

DIGITAL SIMULATION
  0802 0804
  GS    MODELS
        .MATHEMATICAL MODELS
        .#DIGITAL SIMULATION
        SIMULATION
        .COMPUTERIZED SIMULATION
        .#DIGITAL SIMULATION
  RT    ANALOG SIMULATION
        BIOLOGICAL MODELS (MATHEMATICS)
        COMPUTER SYSTEMS SIMULATION
        WAR GAMES

DIGITAL SPACECRAFT TELEVISION
  0702 0801 1410
  GS    COMMUNICATION EQUIPMENT
        .SPACECRAFT TELEVISION
        .#DIGITAL SPACECRAFT TELEVISION
        DIGITAL TELEVISION
        #DIGITAL SPACECRAFT TELEVISION
        TELECOMMUNICATION
        .PULSE COMMUNICATION
        .#DIGITAL SPACECRAFT TELEVISION
        .SPACECRAFT TELEVISION
        .#DIGITAL SPACECRAFT TELEVISION
        TELEVISION SYSTEMS
        .SPACECRAFT TELEVISION
        .#DIGITAL SPACECRAFT TELEVISION
  RT    WIRELESS COMMUNICATION

DIGITAL SYSTEMS
  0708 0801 0802
  UF    BINARY SYSTEMS (DIGITAL)
        TERNARY SYSTEMS (DIGITAL)
  GS   #DIGITAL SYSTEMS
        .DIGITAL NAVIGATION
        .DIGITAL RADAR SYSTEMS
  RT    ANALOG TO DIGITAL CONVERTERS
        BINARY CODES
        BINARY DIGITS
        BITERNARY CODE
        DATA SYSTEMS
        DIGITAL ELECTRONICS
      % SYSTEMS
        SYSTEMS INTEGRATION
        TELECOMMUNICATION

DIGITAL TECHNIQUES
  0801 0802 1001
  RT    BCH CODES
        BISTABLE CIRCUITS
        CODING
        COMPUTER PROGRAMMING
        DIGITAL ELECTRONICS
        ERROR CORRECTING CODES
        ERROR DETECTION CODES
      % METHODOLOGY
        NUMERICAL CONTROL
        SHIFT REGISTERS
        TERMINAL AREA ENERGY MANAGEMENT
        VECTOR QUANTIZATION

DIGITAL TELEVISION
  0702
  GS   #DIGITAL TELEVISION
        .DIGITAL SPACECRAFT TELEVISION
  RT    HIGH DEFINITION TELEVISION
        PULSE COMMUNICATION
        TELEVISION SYSTEMS
        TELEVISION TRANSMISSION

DIGITAL TO ANALOG CONVERTERS
  0801 0802
  GS    DATA CONVERTERS
        #DIGITAL TO ANALOG CONVERTERS
  RT    ANALOG TO DIGITAL CONVERTERS
      % CONVERTERS
        DIGITAL ELECTRONICS
```

```
        PERIPHERAL EQUIPMENT (COMPUTERS)
        PLOTTERS
        SIGNAL ENCODING
        X-Y PLOTTERS

DIGITAL TO VOICE TRANSLATORS
  0701 0801 0802
  UF    DIVOT (VOICE TRANSLATORS)
  RT    COMPUTERS
      % TRANSLATORS
        VOCODERS
        VOICE DATA PROCESSING

DIGITAL TRANSDUCERS
  0801 1413 3501
  GS    TRANSDUCERS
        #DIGITAL TRANSDUCERS
  RT    INTERDIGITAL TRANSDUCERS

DIGITALIS
  0403 0405 1808
  GS    DRUGS
        #DIGITALIS

DIGITIZERS
  USE   ANALOG TO DIGITAL CONVERTERS

DIGITS
  0703 0802 0803 1902
  SN    (EXCLUDES FINGERS AND TOES)
  GS    ALPHANUMERIC CHARACTERS
        #DIGITS
        ..BINARY DIGITS
  RT %  CODES
        DECIMALS
        INTEGERS
        NUMBER THEORY
      % NUMBERS
        SYMBOLS

DIHEDRAL ANGLE
  0104 1202 1902 2502
  GS    GEOMETRY
        .EUCLIDEAN GEOMETRY
        ..ANGLES (GEOMETRY)
        ..#DIHEDRAL ANGLE
  RT    LATERAL STABILITY

DIHEDRAL EFFECT
  USE   LATERAL STABILITY

DIHYDRAZINE
  0403 1808
  GS    HYDRAZINES
        #DIHYDRAZINE

DIHYDRIDES
  0603 1804
  GS    HYDROGEN COMPOUNDS
        .HYDRIDES
        .#DIHYDRIDES

DIHYDROXYPHENYLALANINE
  USE   DOPA

DIISOCYANATES
  0403 1808
  GS    ESTERS
        .ISOCYANATES
        .#DIISOCYANATES
        NITROGEN COMPOUNDS
        .CYANO COMPOUNDS
        ..ISOCYANATES
        ..#DIISOCYANATES

DIKES (GEOLOGY)
  USE   ROCK INTRUSIONS

DILATATION
  USE   STRETCHING

DILATATIONAL WAVES
  1202 1805 1809 1810 3203
  GS    ELASTIC WAVES
        #DILATATIONAL WAVES
  RT    LONGITUDINAL WAVES
        P WAVES
        S WAVES
        SEISMIC WAVES
      % SHEAR
        STRETCHING
      % WAVES

DILATOMETERS
  USE   EXTENSOMETERS

DILATOMETRY
  1202 1406
  RT    EXTENSOMETERS
      % MEASUREMENT
        THERMAL EXPANSION

DILUENTS
  0603 1703 1805
  RT    ADDITIVES
      % AGENTS
        COMBUSTION PRODUCTS
        CONTAMINANTS
        DISPERSIONS
        EXHAUST GASES
        SOLVENTS

DILUTION
  0601 0602
  GS   #DILUTION
        .GEOMETRIC DILUTION OF PRECISION
  RT    ATTENUATION
        CONCENTRATION (COMPOSITION)
        DIFFUSION
        DISPERSING
        DISPOSAL
        DISSIPATION
        DISSOLVING
        LOW CONCENTRATIONS
        MIXING
        PURITY
      % REDUCTION
        WASTE DISPOSAL

DIMENHYDRINATE
  0403 0405 1808
  GS    AMINES
        #DIMENHYDRINATE
        DRUGS
        .ANTIHISTAMINICS
        .#DIMENHYDRINATE
        ORGANIC COMPOUNDS
        .CYCLIC COMPOUNDS
        ..HETEROCYCLIC COMPOUNDS
        ..#DIMENHYDRINATE

DIMENSIONAL ANALYSIS
  1902 2311
  RT %  APPLICATIONS OF MATHEMATICS
        DIMENSIONLESS NUMBERS
        DIMENSIONS
        FIBERS (MATHEMATICS)
        FLUID FLOW
        PARAMETERIZATION
        SCALING LAWS
        SIMILARITY NUMBERS
        UNITS OF MEASUREMENT

DIMENSIONAL MEASUREMENT
  1406 1902 3501
  RT    DEFORMETERS
        DISTANCE MEASURING EQUIPMENT
        ELLIPSOMETRY
      % MEASUREMENT
        MICROMETERS
        SIZE DETERMINATION

DIMENSIONAL STABILITY
  3202 3203
  GS    MECHANICAL PROPERTIES
```

```
        #DIMENSIONAL STABILITY
        ..STRUCTURAL STABILITY
        ...SHELL STABILITY
        STABILITY
        .STATIC STABILITY
        .#DIMENSIONAL STABILITY
        ...STRUCTURAL STABILITY
        ....SHELL STABILITY
  RT    CREEP PROPERTIES
        CURL (MATERIALS)
        DYNAMIC STABILITY
        ROCHE LIMIT
        THERMAL STABILITY
        TOLERANCES (MECHANICS)

DIMENSIONLESS NUMBERS
  0101 1203 1902 3501
  GS    RATIOS
        #DIMENSIONLESS NUMBERS
        ..BIOT NUMBER
        ..FROUDE NUMBER
        ..GRASHOF NUMBER
        ..HARTMANN NUMBER
        ..LAVAL NUMBER
        ..LEWIS NUMBERS
        ..MACH NUMBER
        ..MIXING RATIOS
        ..NUSSELT NUMBER
        ..PECLET NUMBER
        ..PRANDTL NUMBER
        ..RAYLEIGH NUMBER
        ..REYNOLDS NUMBER
        ...HIGH REYNOLDS NUMBER
        ...LOW REYNOLDS NUMBER
        ..RICHARDSON NUMBER
        ..SCHMIDT NUMBER
        ..SIMILARITY NUMBERS
        ..STANTON NUMBER
        ..STROUHAL NUMBER
  RT    DIMENSIONAL ANALYSIS
        FLUID FLOW
        HEAT TRANSFER
      % NUMBERS
        SCALING LAWS

DIMENSIONS
  1406 1902
  GS   #DIMENSIONS
        .DEPTH
        .DIAMETERS
        .FILM THICKNESS
        .FRACTALS
        .HEIGHT
        ..SCALE HEIGHT
        .LENGTH
        ..DIFFUSION LENGTH
        .RADII
        ..LARMOR RADIUS
        .TARGET THICKNESS
        .WIDTH
  RT    AMPLITUDES
      % DESIGN
        DIMENSIONAL ANALYSIS
        DISTANCE
        DRAWINGS
        ENGINEERING DRAWINGS
        FINENESS RATIO
        GEOMETRY
        MAGNITUDE
        PARTICLE SIZE DISTRIBUTION
        RELATIVISTIC EFFECTS
      % SPAN
        THICKNESS
        TOPOLOGY
        UNITS OF MEASUREMENT
        VOLUME

DIMERCAPROL
  0403 0405 0412 1808
  GS    SULFUR COMPOUNDS
        .THIOLS
        .#DIMERCAPROL

DIMERIZATION
  0403 0602
  GS    SYNTHESIS (CHEMISTRY)
        .POLYMERIZATION
        .#DIMERIZATION
  RT    COPOLYMERIZATION

DIMERS
  0403 0603
  GS    PREPOLYMERS
        #DIMERS
  RT    MONOMERS
        TRIMERS

DIMETHYL COMPOUNDS
  0603 1808
  GS    ORGANIC COMPOUNDS
        #DIMETHYL COMPOUNDS
        ..DIMETHYLHYDRAZINES
  RT    METHYL COMPOUNDS
        TRIMETHYL COMPOUNDS

DIMETHYLHYDRAZINES
  0403 1808
  GS    AMINES
        #DIMETHYLHYDRAZINES
        HYDRAZINES
        #DIMETHYLHYDRAZINES
        ORGANIC COMPOUNDS
        .DIMETHYL COMPOUNDS
        .#DIMETHYLHYDRAZINES
  RT    AEROZINE
        METHYLHYDRAZINE

DIMINUTION
  USE   REDUCTION

DIMMING
  3407
  RT    BRIGHTNESS
        LIGHT EMISSION
      % REDUCTION

DIMPLING
  0406 1504 1704
  RT    BULGING
        METAL WORKING
        STAMPING

DINING PHILOSOPHERS PROBLEM
  0708
  RT    DISTRIBUTED PROCESSING
        INTERPROCESSOR COMMUNICATION
        PROBLEM SOLVING
        SYNCHRONISM

DINITRATES
  0603 1804
  GS    NITROGEN COMPOUNDS
        .NITRATES
        .#DINITRATES

DIODE-TRANSISTOR-LOGIC INTEG CIRCUITS
  USE   DTL INTEGRATED CIRCUITS

DIODES
  0903 0906
  UF    P-I-N DIODES
  GS    ELECTRONIC EQUIPMENT
        #DIODES
        ..CRYSTAL RECTIFIERS
        ..PLASMA DIODES
        ..SEMICONDUCTOR DIODES
        ...AVALANCHE DIODES
        ...BARRITT DIODES
        ...GERMANIUM DIODES
        ...GUNN DIODES
        ...JUNCTION DIODES
        ...LIGHT EMITTING DIODES
        ...PARAMETRIC DIODES
        ...PHOTODIODES
        ...SCHOTTKY DIODES
```

```
        ...TUNNEL DIODES
        ...VARACTOR DIODES
        ..THERMIONIC DIODES
        ...CESIUM DIODES
  RT    ELECTRON TUBES
        ION IMPLANTATION
        P-I-N JUNCTIONS
        RECTIFIERS
        SEMICONDUCTOR DEVICES
        SOLIONS
        TRAPATT DEVICES
        TRIODES
        VARACTOR DIODE CIRCUITS

DIONE
  3008
  GS    CELESTIAL BODIES
        .NATURAL SATELLITES
        ..ICY SATELLITES
        ..#DIONE
        ..SATURN SATELLITES
        ..#DIONE
  RT    SATURN (PLANET)

DIOPHANTINE EQUATION
  1902 3501
  GS    NUMBER THEORY
        #DIOPHANTINE EQUATION
  RT %  EQUATIONS

DIORITE
  1306 1806
  GS    ROCKS
        .IGNEOUS ROCKS
        .#DIORITE
  RT    MINERALS
        SOILS

DIOXIDES
  0603 1701 1804 1808
  GS    CHALCOGENIDES
        .OXIDES
        .#DIOXIDES
        ...CARBON DIOXIDE
        ...FLINT
        ...HYDROGEN PEROXIDE
        ...SILICON DIOXIDE
        ....QUARTZ
        .....COESITE
        .....STISHOVITE
        ...SULFUR DIOXIDES
  RT    KARL FISCHER REAGENT
        PEROXIDES
        SULFUR OXIDES
        THORIUM OXIDES
        TITANIUM OXIDES

DIPHENYL COMPOUNDS
  1808
  GS    ORGANIC COMPOUNDS
        .HYDROCARBONS
        .#DIPHENYL COMPOUNDS
        ...DIPHENYL HYDANTOIN
  RT %  CHEMICAL COMPOUNDS

DIPHENYL HYDANTOIN
  0403 1808
  GS    AMINES
        #DIPHENYL HYDANTOIN
        DRUGS
        .ANTIHISTAMINICS
        .#DIPHENYL HYDANTOIN
        ORGANIC COMPOUNDS
        .HYDROCARBONS
        ..DIPHENYL COMPOUNDS
        ..#DIPHENYL HYDANTOIN

DIPHOSPHATES
  0603 1804
  GS    PHOSPHORUS COMPOUNDS
        .PHOSPHATES
        .#DIPHOSPHATES
        ...ADENOSINE DIPHOSPHATE

DIPHTHERIA
  0405
  GS    DISEASES
        .INFECTIOUS DISEASES
        ..BACTERIAL DISEASES
        ..#DIPHTHERIA
  RT    TOXIC DISEASES

DIPLEXERS
  0701 0901 0902
  GS    ANTENNA COMPONENTS
        .ANTENNA COUPLERS
        .#DIPLEXERS
        CIRCUITS
        #DIPLEXERS
        COMMUNICATION EQUIPMENT
        #DIPLEXERS
        COUPLERS
        .ANTENNA COUPLERS
        .#DIPLEXERS
  RT    COUPLES
        RADAR ANTENNAS
        RADAR EQUIPMENT
        TELEVISION EQUIPMENT
        TRANSFORMERS

DIPOLE ANTENNAS
  0901 2304 2402
  SN    (SINGLE DIPOLE ANTENNAS)
  GS    ANTENNAS
        .DIRECTIONAL ANTENNAS
        .#DIPOLE ANTENNAS
  RT    ANTENNA ARRAYS
        ANTENNA DESIGN
        BACKFIRE ANTENNAS
     %  DIPOLES
        DIRECTORS (ANTENNA ELEMENTS)
        LENS ANTENNAS
        LINEAR ARRAYS
        LOG PERIODIC ANTENNAS
        LOG SPIRAL ANTENNAS
        MONOPOLE ANTENNAS
        OMNIDIRECTIONAL ANTENNAS
        PARASITIC ELEMENTS (ANTENNAS)
        RADAR ANTENNAS
        TURNSTILE ANTENNAS
        YAGI ANTENNAS

DIPOLE MOMENTS
  2304 2305 2401 2404
  GS    MOMENTS
        #DIPOLE MOMENTS
        ..ELECTRIC MOMENTS
        ..MAGNETIC MOMENTS
  RT    DOMAINS
        ELECTRICAL PROPERTIES
        MAGNETIC DOMAINS
        MAGNETIC PROPERTIES
        VAN DER WAALS FORCES

% DIPOLES
  0604 0701 0901 2304 2307 2309 2402
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    DIPOLE ANTENNAS
        ELECTRIC CHARGE
        ELECTRIC DIPOLES
        MAGNETIC DIPOLES
        MAGNETIC POLES
        MONOPOLES
        ORBITING DIPOLES
        POLARITY
     %  POLES
        QUADRUPOLES

DIPPING
  1504 1704 1803 3407
  RT    BATHS
        COATINGS
        QUENCHING (COOLING)
```

SUBMERGING
WETTING

DIRAC EQUATION
1902 2304 2311 2403
GS WAVE EQUATIONS
#DIRAC EQUATION
RT % EQUATIONS
FIELD THEORY (PHYSICS)
KLEIN-GORDON EQUATION
LORENTZ TRANSFORMATIONS
QUANTUM THEORY

DIRECT BROADCAST SATELLITES
0706 0707 3107
UF DBS (SATELLITES)
GS ARTIFICIAL SATELLITES
.COMMUNICATION SATELLITES
.#DIRECT BROADCAST SATELLITES
RT BROADCASTING
DOMESTIC SATELLITE COMMUNICATIONS SYSTEMS
SATELLITE TELEVISION
SATELLITE TRANSMISSION
SPACE COMMERCIALIZATION
SPACE LAW
TELECOMMUNICATION
TELEVISION TRANSMISSION

DIRECT CURRENT
0302 0902 0904 1001 1002 2304
UF DC (CURRENT)
GS ELECTRIC CURRENT
#DIRECT CURRENT
RT ALTERNATING CURRENT
CURRENT CONVERTERS (AC TO DC)
HOMOPOLAR GENERATORS
INVERTED CONVERTERS (DC TO AC)
VOLTAGE CONVERTERS (DC TO DC)

DIRECT CURRENT GENERATORS
USE DC GENERATORS

DIRECT LIFT CONTROLS
1003 2102
RT % CONTROL
LIFT DEVICES

DIRECT POWER GENERATORS
0301 0302
UF ENERGY CONVERTERS
GS ELECTRIC GENERATORS
#DIRECT POWER GENERATORS
..DC GENERATORS
..ELECTROSTATIC GENERATORS
..FUEL CELLS
...BIOCHEMICAL FUEL CELLS
...HYDROGEN OXYGEN FUEL CELLS
...PHOSPHORIC ACID FUEL CELLS
...REGENERATIVE FUEL CELLS
..MAGNETOHYDRODYNAMIC GENERATORS
..PHOTOELECTRIC GENERATORS
...PHOTOVOLTAIC CELLS
....SOLAR CELLS
.....VERTICAL JUNCTION SOLAR CELLS
..PRIMARY BATTERIES
...ALKALINE BATTERIES
...DRY CELLS
....MAGNESIUM CELLS
....NICKEL ZINC BATTERIES
...METAL AIR BATTERIES
....ZINC-OXYGEN BATTERIES
...SODIUM SULFUR BATTERIES
...THERMAL BATTERIES
..RADIOISOTOPE BATTERIES
...SNAP 7
...SNAP 9A
...SNAP 11
...SNAP 13
...SNAP 15
...SNAP 17
...SNAP 19
...SNAP 21
...SNAP 23
...SNAP 27
...SNAP 29
..THERMIONIC CONVERTERS
...SNAP 13
...SOLAR BLANKETS
..THERMOELECTRIC GENERATORS
...SNAP 3
...SNAP 7
...SNAP 9A
...SNAP 10A
...SNAP 11
...SNAP 15
...SNAP 17
...SNAP 19
...SNAP 21
...SNAP 23
...SNAP 27
...SNAP 29
...SOLAR SEA POWER PLANTS
RT AUXILIARY POWER SOURCES
% CONVERTERS
ELECTRIC BATTERIES
% ELECTRIC CELLS
ELECTRIC ENERGY STORAGE
ENERGY ABSORPTION FILMS
ENERGY CONVERSION
ENERGY CONVERSION EFFICIENCY
% GENERATORS
HEAT GENERATION
PHOTOELECTRIC CELLS
SOLAR GENERATORS
SOLAR TOTAL ENERGY SYSTEMS
SPACECRAFT POWER SUPPLIES

% DIRECTION
1102 1406 2103 3406
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT AUTONOMY
AZIMUTH
BEARING (DIRECTION)
DIRECTIVITY
LINE OF SIGHT
MANAGEMENT
REVERSING

DIRECTION FINDERS (RADIO)
USE RADIO DIRECTION FINDERS

DIRECTION FINDING
0701
RT BEARING (DIRECTION)
RADIO DIRECTION FINDERS
SIGNAL PROCESSING

DIRECTIONAL ANTENNAS
0702 0705 0901
UF TRACKING ANTENNAS
GS ANTENNAS
#DIRECTIONAL ANTENNAS
..DIPOLE ANTENNAS
..HELICAL ANTENNAS
..HORN ANTENNAS
..LENS ANTENNAS
..LOG PERIODIC ANTENNAS
..LOOP ANTENNAS
..RADAR ANTENNAS
...RADANT
..REFLECTOR ANTENNAS
...PARABOLIC ANTENNAS
...TWO REFLECTOR ANTENNAS
..RHOMBIC ANTENNAS
..SLOT ANTENNAS
..STEERABLE ANTENNAS
...INERTIALESS STEERABLE ANTENNAS
..YAGI ANTENNAS
RT ANTENNA ARRAYS
ANTENNA RADIATION PATTERNS
BACKLOBES
BORESIGHT ERROR

BORESIGHTS
ENDFIRE ARRAYS
MICROWAVE ANTENNAS
MICROWAVE COUPLING
MISSILE ANTENNAS
MONOPULSE ANTENNAS
OMNIDIRECTIONAL ANTENNAS
PARASITIC ELEMENTS (ANTENNAS)
RADIO ANTENNAS
SOMMERFELD APPROXIMATION

DIRECTIONAL CONTROL
0101 0203 0901 1202 2807
UF VECTOR CONTROL
GS ATTITUDE CONTROL
#DIRECTIONAL CONTROL
..THRUST VECTOR CONTROL
RT AIRCRAFT CONTROL
AUTOMATIC CONTROL
% CONTROL
HELICOPTER CONTROL
JET CONTROL
LATERAL CONTROL
LONGITUDINAL CONTROL
MANUAL CONTROL
MISSILE CONTROL
% REACTION CONTROL
ROCKET ENGINE CONTROL
SATELLITE ATTITUDE CONTROL
SATELLITE CONTROL
YAW

DIRECTIONAL COUPLERS
0701
GS ANTENNA COMPONENTS
.ANTENNA COUPLERS
.#DIRECTIONAL COUPLERS
COUPLERS
.ANTENNA COUPLERS
.#DIRECTIONAL COUPLERS
RT COUPLING
COUPLINGS
IMPEDANCE MATCHING
MICROSTRIP TRANSMISSION LINES
MICROWAVE COUPLING
TRANSMISSION LINES
YOKES

DIRECTIONAL SOLIDIFICATION (CRYSTALS)
0602
GS CRYSTALLIZATION
#DIRECTIONAL SOLIDIFICATION
(CRYSTALS)
GROWTH
.CRYSTAL GROWTH
.#DIRECTIONAL SOLIDIFICATION
(CRYSTALS)
SOLIDIFICATION
#DIRECTIONAL SOLIDIFICATION
(CRYSTALS)
RT CONTAINERLESS MELTS
EUTECTIC COMPOSITES
PHASE TRANSFORMATIONS

DIRECTIONAL STABILITY
0101 0201
GS DYNAMIC CHARACTERISTICS
.DYNAMIC STABILITY
..MOTION STABILITY
...ATTITUDE STABILITY
...#DIRECTIONAL STABILITY
.....GYROSCOPIC STABILITY
STABILITY
.DYNAMIC STABILITY
..MOTION STABILITY
...ATTITUDE STABILITY
...#DIRECTIONAL STABILITY
.....GYROSCOPIC STABILITY
RT AERODYNAMIC STABILITY
AIRCRAFT STABILITY
CONTROLLABILITY
FLOW STABILITY
HORIZONTAL ORIENTATION
HOVERING STABILITY
LATERAL OSCILLATION
LATERAL STABILITY
LONGITUDINAL STABILITY
ROTARY STABILITY
SPACECRAFT STABILITY
STABILITY AUGMENTATION
VERTICAL ORIENTATION
YAW

DIRECTIVITY
0705 0901
RT ALIGNMENT
ANISOTROPY
COLLIMATION
CRYSTALLOGRAPHY
% DIRECTION
FIELD STRENGTH
INSTRUMENT ORIENTATION
ISOTROPY
LOOK ANGLES (ELECTRONICS)
% ORIENTATION

DIRECTORIES
3405
RT HANDBOOKS
MANUALS

DIRECTORS (ANTENNA ELEMENTS)
0705 0901
GS ANTENNA COMPONENTS
.PARASITIC ELEMENTS (ANTENNAS)
.#DIRECTORS (ANTENNA ELEMENTS)
RT DIPOLE ANTENNAS
RADIO RECEIVERS
REFLECTOMETERS
REFLECTORS
RODS
YAGI ANTENNAS

DIRICHLET PROBLEM
1902
GS BOUNDARY VALUE PROBLEMS
#DIRICHLET PROBLEM
RT DIFFERENTIAL EQUATIONS
HYPERBOLIC DIFFERENTIAL EQUATIONS
% PROBLEMS

DIRIGIBLES
USE AIRSHIPS

DIRT
0505 1805
GS SOILS
#DIRT
RT CONTAMINANTS
DUST
IMPURITIES
PARTICLES
ROCKS

DISABILITIES
0405 0408 0410
UF HANDICAPS
RT AUDITORY DEFECTS
BLINDNESS
FRUSTRATION
% INHIBITION
PARALYSIS
WHEELCHAIRS

DISARMAMENT
3401
RT ARMED FORCES (FOREIGN)
ARMED FORCES (UNITED STATES)
INTERNATIONAL COOPERATION
WEAPONS

DISASTERS
3401 3406
RT ACCIDENTS
CASUALTIES

```
        EMERGENCIES
        FIRST AID
        SABOTAGE

% DISCHARGE
  1001 2304 2502 2808 3406
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    DETONATION
        DISPERSING
        DISPOSAL
        DRAINAGE
        EFFLUENTS
        EJECTION
        ELECTRIC DISCHARGES
        ELECTRODELESS DISCHARGES
        ELIMINATION
        EMISSION
        EXHAUSTING
        EXPELLANTS
        EXPLOSIONS
        OUTLETS
        RELEASING
        RELIEVING
        RING DISCHARGE
        UNLOADING
        VENTING

DISCHARGE COEFFICIENT
  1202
  GS    COEFFICIENTS
        .FLOW COEFFICIENTS
        .#DISCHARGE COEFFICIENT
  RT    AXIAL FLOW
        FLOW VELOCITY
        INFLUENCE COEFFICIENT
        MASS FLOW FACTORS
        NOZZLE FLOW
        NOZZLE GEOMETRY
        NOZZLE THRUST COEFFICIENTS
        WALL FLOW

DISCHARGE TUBES
  USE   GAS DISCHARGE TUBES

DISCHARGERS
  1001 1504 2304 3407
  GS   #DISCHARGERS
        .STATIC DISCHARGERS
  RT    DISSIPATION
        NEUTRALIZERS

DISCIPLINING
  0408 0410 0502
  RT    LIABILITIES
        MORALE
        PENALTIES

DISCOLORATION
  0411 1505 1702 2306 2310
  RT    COLOR
        DAMAGE
        DEGRADATION
        FADING
        STAINING

DISCONNECT DEVICES
  0202 0701 0904 0905 1504
  UF    DISCONNECTORS
  RT    CIRCUIT BREAKERS
        CONNECTORS
        DECOUPLING
        DUMPING
        EJECTION
        ELECTRIC CONNECTORS
        ELECTRIC FUSES
        ELECTRIC RELAYS
     % RELAY
        RELEASING

DISCONNECTORS
  USE   DISCONNECT DEVICES

DISCONTINUITY
  1203 1902 3406 3408
  GS   #DISCONTINUITY
        .SHOCK DISCONTINUITY
  RT    ANALYSIS (MATHEMATICS)
        CATASTROPHE THEORY
        GIBBS PHENOMENON
        INCOHERENCE
        VORTEX STREETS

DISCOS (SATELLITE ATTITUDE CONTROL)
  3107
  RT    ATTITUDE STABILITY
        NOVA SATELLITES
        SATELLITE PERTURBATION
        SPACECRAFT STABILITY
        TRANSIT SATELLITES

DISCOVERER RECOVERY CAPSULES
  3105 3107 3409
  UF    DRC (CAPSULE)
  GS    SPACE CAPSULES
        #DISCOVERER RECOVERY CAPSULES
  RT    RECOVERY PARACHUTES
        SPACECRAFT RECOVERY

DISCOVERER SATELLITES
  3107 3409
  GS    ARTIFICIAL SATELLITES
        #DISCOVERER SATELLITES
  RT    AGENA A ROCKET VEHICLE
        AGENA B ROCKET VEHICLE
        AGENA ROCKET VEHICLES
        THOR AGENA LAUNCH VEHICLE

DISCOVERING
  USE   EXPLORATION

DISCOVERY (ORBITER)
  3107 0205
  UF    SPACE SHUTTLE ORBITER 103
  GS    MANNED SPACECRAFT
        .SPACE SHUTTLE ORBITERS
        .#DISCOVERY (ORBITER)
        REENTRY VEHICLES
        .RECOVERABLE SPACECRAFT
        ..REUSABLE SPACECRAFT
        ...SPACE SHUTTLE ORBITERS
        ...#DISCOVERY (ORBITER)
  RT    MANNED SPACE FLIGHT
        SPACE SHUTTLE MISSION 41-D
        SPACE SHUTTLE MISSION 51-A
        SPACE SHUTTLE MISSION 51-C
        SPACE SHUTTLE MISSION 51-D
        SPACE SHUTTLE MISSION 51-G
        SPACE SHUTTLE MISSION 51-I
     % SPACECRAFT

DISCRETE ADDRESS BEACON SYSTEM
  0705
  GS    LANDING AIDS
        .AIRPORT BEACONS
        .#DISCRETE ADDRESS BEACON SYSTEM
        NAVIGATION AIDS
        .BEACONS
        ..AIRPORT BEACONS
        ..#DISCRETE ADDRESS BEACON SYSTEM
        ..RADAR BEACONS
        ..#DISCRETE ADDRESS BEACON SYSTEM
        RADAR EQUIPMENT
        .RADAR BEACONS
        .#DISCRETE ADDRESS BEACON SYSTEM
  RT    AIR TRAFFIC CONTROL
        DATA LINKS
        GROUND-AIR-GROUND COMMUNICATION
        SECONDARY RADAR
     % SYSTEMS

DISCRETE FUNCTIONS
  1902
  GS    FUNCTIONS (MATHEMATICS)
```

```
      #DISCRETE FUNCTIONS
  RT  DISTRIBUTION FUNCTIONS
      HISTOGRAMS
      NORMAL DENSITY FUNCTIONS
      POISSON DENSITY FUNCTIONS
      PROBABILITY DENSITY FUNCTIONS
      PROBABILITY DISTRIBUTION FUNCTIONS
      STATISTICAL ANALYSIS

DISCRIMINANT ANALYSIS (STATISTICS)
  1902
  UF  DISCRIMINANT FUNCTIONS
  GS  FUNCTIONS (MATHEMATICS)
      #DISCRIMINANT ANALYSIS (STATISTICS)
      STATISTICAL ANALYSIS
      #DISCRIMINANT ANALYSIS (STATISTICS)
  RT % CLASSIFYING
      MULTIVARIATE STATISTICAL ANALYSIS
      POPULATIONS

DISCRIMINANT FUNCTIONS
  USE DISCRIMINANT ANALYSIS (STATISTICS)

DISCRIMINATION
  0404 0705 0902
  GS  #DISCRIMINATION
      .SENSORY DISCRIMINATION
      ..BRIGHTNESS DISCRIMINATION
      ..TACTILE DISCRIMINATION
      ..VISUAL DISCRIMINATION
  RT  ACUITY
      COMPARATOR CIRCUITS
    % DIFFERENTIATION
      SELECTIVITY
      SIGNAL DETECTION
      SIGNAL DETECTORS
      TARGET RECOGNITION

DISCRIMINATORS
  0902 1201
  GS  CIRCUITS
      #DISCRIMINATORS
      ..FRAUNHOFER LINE DISCRIMINATORS
      ..FREQUENCY DISCRIMINATORS
  RT  ANALOG COMPUTERS
      COMPARATORS
      ERROR SIGNALS
      INTERMODULATION
      RC CIRCUITS

% DISCUSSION
  3406
  SN  (USE OF A MORE SPECIFIC TERM IS
      RECOMMENDED--CONSULT THE TERMS
      LISTED BELOW)
  RT  CONFERENCES
      EVALUATION
      EXAMINATION
      REPORTS
      REVIEWING

DISEASED VEGETATION
  USE PLANT DISEASES

DISEASES
  0404 0405 0408 0410 0412
  SN  (RESTRICTED TO DISEASES IN ANIMALS
      INCLUDING MAN--FOR DISEASES IN
      PLANTS SEE PLANT DISEASES)
  GS #DISEASES
      .ALBINISM
      .ANEMIAS
      .ARTERIOSCLEROSIS
      .ARTHRITIS
      .ATAXIA
      .ATELECTASIS
      .BONE DEMINERALIZATION
      .COLIC
      .CYANOSIS
      .DIABETES MELLITUS
      .ENCEPHALITIS
      .EPILEPSY
      .EYE DISEASES
      ..ASTHENOPIA
      ..ASTIGMATISM
      ..CATARACTS
      ..CONJUNCTIVITIS
      ..GLAUCOMA
      ..KERATITIS
      ..PHORIA
      .FAT EMBOLISMS
      .FIBROSIS
      ..CYSTIC FIBROSIS
      .HEADACHE
      .HEART DISEASES
      ..ANGINA PECTORIS
      ..CORONARY ARTERY DISEASE
      ..INFARCTION
      ...MYOCARDIAL INFARCTION
      .INFECTIOUS DISEASES
      ..AIRBORNE INFECTION
      ..BACTERIAL DISEASES
      ...CHOLERA
      ...DIPHTHERIA
      ...SYPHILIS
      ...TUBERCULOSIS
      ...TYPHOID
      ...TYPHUS
      ..CONJUNCTIVITIS
      ..DERMATITIS
      ...CONTACT DERMATITIS
      ..FUNGAL DISEASES
      ..HEPATITIS
      ..MENINGITIS
      ..PARASITIC DISEASES
      ..VIRAL DISEASES
      ...ACQUIRED IMMUNODEFICIENCY
        SYNDROME
      ...INFLUENZA
      ...POLIOMYELITIS
      ...SMALLPOX
      .KIDNEY DISEASES
      ..NEPHRITIS
      .LITHIASIS
      .METABOLIC DISEASES
      .NARCOLEPSY
      .NEURASTHENIA
      .NEURITIS
      .OCCUPATIONAL DISEASES
      .OSTEOPOROSIS
      .PARALYSIS
      .PARKINSON DISEASE
      .PULMONARY LESIONS
      .RADIATION SICKNESS
      .RESPIRATORY DISEASES
      ..AEROSINUSITIS
      ..ASTHMA
      ..EMPHYSEMA
      ..INFLUENZA
      ..PNEUMONIA
      ..TUBERCULOSIS
      .RHEUMATIC DISEASES
      .TACHYCARDIA
      .THROMBOPENIA
      .THROMBOSIS
      .TOOTH DISEASES
      .TOXIC DISEASES
      ..CARBON MONOXIDE POISONING
      ..LEAD POISONING
      .TUMORS
      ..NEOPLASMS
      ...CANCER
      ....LEUKEMIAS
      .ULCERS
      .UROLITHIASIS
  RT  CHRONIC CONDITIONS
      CREATININE
      CURES
      DIAGNOSIS
      DISORDERS
      ETIOLOGY
      MEDICAL SCIENCE
      PATHOGENESIS
      PATHOLOGICAL EFFECTS
      PLANT DISEASES
```

PNEUMOTHORAX
PROPHYLAXIS
SIGNS AND SYMPTOMS
SYMPTOMOLOGY
THERAPY
VACCINES
VETERINARY MEDICINE

DISHES
USE PARABOLIC REFLECTORS

DISILICIDES
0603 1804
GS SILICON COMPOUNDS
.SILICIDES
.#DISILICIDES
RT SILANES
SILICATES

DISINFECTANTS
USE ANTISEPTICS

DISINTEGRATION
0403 0602 2304 3203
RT ATOMIZING
COMMINUTION
CRUSHERS
CRUSHING
DAMAGE
DECAY
DECOMPOSITION
DETERIORATION
FLAKING
GRINDING (COMMINUTION)
IONIZATION
LYSOGENESIS

DISK GALAXIES
3001
GS CELESTIAL BODIES
.GALAXIES
.#DISK GALAXIES
RT ASTROPHYSICS
BARRED GALAXIES
BLAZARS
ELLIPTICAL GALAXIES
GALACTIC CLUSTERS
GALACTIC EVOLUTION
GALACTIC HALOS
GALACTIC NUCLEI
GALACTIC ROTATION
GALACTIC STRUCTURE
LOCAL GROUP (ASTRONOMY)
RADIO GALAXIES
SPIRAL GALAXIES
STAR CLUSTERS
VIRGO GALACTIC CLUSTER

DISK OPERATING SYSTEM (DOS)
0802
GS COMPUTER PROGRAMS
.COMPUTER SYSTEMS PROGRAMS
..OPERATING SYSTEMS (COMPUTERS)
..#DISK OPERATING SYSTEM (DOS)
RT ASSEMBLER ROUTINES
COMPILERS
COMPUTER INFORMATION SECURITY
COMPUTER SYSTEMS DESIGN
% DISKS
GRAPHICAL USER INTERFACE
INPUT/OUTPUT ROUTINES
MAGNETIC DISKS
% ROUTINES
% SYSTEMS

% DISKS
0801 3203
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT ACTUATOR DISKS
DISK OPERATING SYSTEM (DOS)
DISKS (SHAPES)
INTERVERTEBRAL DISKS
MAGNETIC DISKS

DISKS (SHAPES)
0101
GS #DISKS (SHAPES)
.ACTUATOR DISKS
.INTERVERTEBRAL DISKS
.ROTATING DISKS
RT ACCRETION DISKS
AERODYNAMIC CONFIGURATIONS
BODIES OF REVOLUTION
CIRCULAR PLATES
% DISKS
% PLATES
VIDEO DISKS

DISLOCATIONS (MATERIALS)
0601 1202 1204 2601 2603
GS #DISLOCATIONS (MATERIALS)
.CRYSTAL DISLOCATIONS
..EDGE DISLOCATIONS
..SCREW DISLOCATIONS
RT DISPLACEMENT
FLOW THEORY
% MATERIALS

DISORDERS
0405 0408 0410
GS DISORIENTATION
#DISORDERS
RT CHRONIC CONDITIONS
DEPERSONALIZATION
% DEPRESSION
DETACHMENT
DISEASES
% DISTURBANCES
DITHERS
EMOTIONAL FACTORS
HUMAN BEHAVIOR
JET LAG
PSYCHOLOGY
PSYCHOSES
VIOLENCE

DISORIENTATION
0201 2102 2103 3203 3406
SN (EXCLUDES PHYSICAL OR MATHEMATICAL
MISALIGNMENT)
GS #DISORIENTATION
.DESYNCHRONIZATION (BIOLOGY)
.DISORDERS
.JET LAG
RT BIOLOGICAL EFFECTS
CORIOLIS EFFECT
DETACHMENT
DITHERS
IRRATIONALITY
MISALIGNMENT
PSYCHOLOGICAL EFFECTS
PSYCHOLOGY
STAGGERING
WEIGHTLESSNESS

DISPATCHING
USE DISTRIBUTING

DISPENSERS
0202 0505 0507 1103 1502 3404
RT DISTRIBUTORS
EJECTORS
FEEDERS
MATERIALS HANDLING
ROLLERS
SPRAYERS

DISPERSING
0602
SN (OF MATERIALS OR PARTICLES)
RT AGITATION
ASSIMILATION
CHEMICAL RELEASE MODULES

CIRCULATION
CLOUD DISPERSAL
COLLOIDING
DEFLECTION
DIFFUSION
DILUTION
% DISCHARGE
% DISPERSION
DISPERSIONS
DISPOSAL
DISSIPATION
DISTRIBUTING
% DISTRIBUTION
ENTRAINMENT
EXHAUSTING
FOG DISPERSAL
HOMOGENIZING
LANGEVIN FORMULA
PERMEATING
POLLUTION TRANSPORT
% REDUCTION
RELEASING
SCATTERING
% SEPARATION
SHAKING
SPRAYING
SPREADING
STIRRING
SUSPENDING (MIXING)
SWIRLING

% DISPERSION
1411 1701 1902 2310 2311 3006 3408
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT DEVIATION
DIFFUSION
DISPERSING
DISPERSIONS
DUST
KRAMERS-KRONIG FORMULA
MAGNETIC DISPERSION
MIXERS
RANDOM ERRORS
STATISTICAL ANALYSIS
VARIABILITY
WAVE DISPERSION

DISPERSION PRECIPITATION HARDENING
USE PRECIPITATION HARDENING

DISPERSION STRENGTHENING
1701 1704
GS #DISPERSION STRENGTHENING
.OXIDE DISPERSION STRENGTHENING
RT ALLOYS
HARDENING (MATERIALS)
HEAT RESISTANT ALLOYS
% METALLURGY
% STRENGTH

DISPERSIONS
2310 2311
GS MIXTURES
#DISPERSIONS
..COLLOIDS
...AEROSOLS
....FOG
...COLLOIDAL PROPELLANTS
..EMULSIONS
...PHOTOGRAPHIC EMULSIONS
....NUCLEAR EMULSIONS
..LIQUID-GAS MIXTURES
...AEROSOLS
....FOG
..PLASTISOLS
...SMOKE
RT BROWNIAN MOVEMENTS
COLLOIDAL GENERATORS
CROP DUSTING
DILUENTS
DISPERSING
% DISPERSION
DUST
FERROFLUIDS
FOG DISPERSAL
FUMES
MIST
PARTICLES
PARTICULATES
SLURRIES
SLURRY PROPELLANTS
SUSPENDING (MIXING)
% SUSPENSIONS

DISPLACEMENT
1902 2304 2308
GS #DISPLACEMENT
.CRACK OPENING DISPLACEMENT
RT AMPLITUDES
BENDING
BIAS
BORESIGHT ERROR
DEFLECTION
DEFORMATION
DISLOCATIONS (MATERIALS)
DISTORTION
DIVERGENCE
ENGINES
FLEXIBLE SPACECRAFT
HEAVING
LEVEL (QUANTITY)
MAGNITUDE
% MOTION
NUTATION
POSITIONING
SKEWNESS
TEMPERATURE INVERSIONS
VARIATIONS
VIBRATION

DISPLACEMENT MEASUREMENT
1406 3203 3501
SN (MEASUREMENT IN CHANGE OF POSITION)
GS MECHANICAL MEASUREMENT
#DISPLACEMENT MEASUREMENT
RT BORESIGHT ERROR

DISPLAY DEVICES
0801 1406 1504 3406 3501 9001
UF DATA READOUT SYSTEMS
DISPLAY SYSTEMS
VISUAL DISPLAYS
GS #DISPLAY DEVICES
.APPROACH INDICATORS
.FLOW DIRECTION INDICATORS
..WIND VANES
.GYRO HORIZONS
.HEAD-UP DISPLAYS
.HELMET MOUNTED DISPLAYS
.KINOFORM
.MICROVISION LANDING AID
.PLASMA DISPLAY DEVICES
.POSITION INDICATORS
..PLAN POSITION INDICATORS
..RADIO DIRECTION FINDERS
..SPACECRAFT POSITION INDICATORS
.RADARSCOPES
..PLAN POSITION INDICATORS
.SPEED INDICATORS
..TACHOMETERS
RT AIRBORNE SURVEILLANCE RADAR
AIRCRAFT EQUIPMENT
AIRCRAFT INSTRUMENTS
AUDIO VISUAL EQUIPMENT
AUTOMATIC TYPEWRITERS
BLINKING
CANCELLATION CIRCUITS
CATHODE RAY TUBES
CHARTS
COMPUTER GRAPHICS
CONSOLES
CONTROL BOARDS
CREW PROCEDURES (INFLIGHT)

```
  CREW PROCEDURES (PREFLIGHT)
  DATA RECORDERS
% DETECTORS
  DIALS
  ELECTROCHROMISM
  FLIGHT CONTROL
  FLIGHT INSTRUMENTS
  FLYING SPOT SCANNERS
  GRAPHICAL USER INTERFACE
  HUMAN-COMPUTER INTERFACE
  IMAGE RECONSTRUCTION
  IMAGE TUBES
  IMAGERY
  IMAGES
  INDICATING INSTRUMENTS
  INSTRUMENT LANDING SYSTEMS
  INSTRUMENT RECEIVERS
% INSTRUMENTS
  LIGHT EMITTING DIODES
  LISTS
  MAN MACHINE SYSTEMS
  MAP MATCHING GUIDANCE
  MONITORS
  NAVIGATION AIDS
  PERCEPTUAL ERRORS
  PHOTOGRAPHS
  PICTURE TUBES
  PLANETARIUMS
% PLOTS
  PLOTTERS
  PLOTTING
  PRINTERS (DATA PROCESSING)
  PROMOTION
  RADAR
  RADAR RESOLUTION
  RAPID BALLISTICS IDENTIFICATION
  RASTER SCANNING
  READING
  READOUT
  REAL TIME OPERATION
  RECEIVERS
  REMOTE CONSOLES
  SCIENTIFIC VISUALIZATION
% SCREENS
  SOLAR COMPASSES
% STRIP
% SYSTEMS
  TARGET SIMULATORS
  TERCOM
  VIDEO DATA
  VIDEO EQUIPMENT
  VIEWING
  VISUAL AIDS
  VISUAL CONTROL
  WARNING SYSTEMS

DISPLAY SYSTEMS
  USE  DISPLAY DEVICES

DISPOSAL
  0505
  GS  #DISPOSAL
       .WASTE DISPOSAL
       ..COMPOSTING
       ..HAZARDOUS MATERIAL DISPOSAL (IN
         SPACE)
  RT   AGITATION
     % CONTAINERS
       DECONTAMINATION
       DELETION
       DILUTION
     % DISCHARGE
       DISPERSING
       DISSIPATION
       DISTRIBUTING
     % DISTRIBUTION
       DUMPING
       EJECTION
       ELIMINATION
       EMPTYING
       EXHAUSTING
       EXPULSION
       ISOLATION
       JETTISONING
       MATERIALS HANDLING
       MATERIALS RECOVERY
       REMOVAL
       SINKS
       SPREADING
     % STORAGE
       UNLOADING

DISRUPTING
  0702 0710 3406 3407
  RT % INTERFERENCE
       RUPTURING

DISSECTION
  0404 0405
  RT   AUTOPSIES
       PATHOLOGY

DISSIPATION
  1504 2311 3203 3303 3407 3501
  UF   DISSIPATORS
  GS  #DISSIPATION
       .ENERGY DISSIPATION
       .OHMIC DISSIPATION
  RT   ATMOSPHERIC TURBULENCE
       ATTENUATION
       DAMPING
       DECONTAMINATION
       DEPLETION
       DIFFUSION
       DILUTION
       DISCHARGERS
       DISPERSING
       DISPOSAL
       EXHAUSTING
       POLLUTION
       PURIFICATION
     % REDUCTION
       REMOVAL
       WASTE DISPOSAL

DISSIPATORS
  USE  DISSIPATION

DISSOCIATION
  0603 0604 0605 2404
  UF   MOLECULAR DISSOCIATION
  GS  #DISSOCIATION
       .AUTOIONIZATION
       .BIODEGRADABILITY
       .GAS DISSOCIATION
       .PHOTODISSOCIATION
       .RADIOLYSIS
       .THERMAL DISSOCIATION
  RT   ATOMIC RECOMBINATION
       CHEMICAL EQUILIBRIUM
       DEBYE-HUCKEL THEORY
       DECOMPOSITION
       ELECTRODISSOLUTION
       HEAT OF DISSOCIATION
       IONIZATION
       MOLECULAR DIFFUSION
       MOLECULAR INTERACTIONS

DISSOLUTION
  USE  DISSOLVING

DISSOLVED GASES
  0602 1203
  GS   GASES
       #DISSOLVED GASES
  RT   AERATION
       DISSOLVING
       MIXTURES
       OXYGENATION
       SOLUBILITY
       SOLUTIONS

DISSOLVING
  0602
  UF   DISSOLUTION
```

```
  GS   MIXING
       #DISSOLVING
  RT   AERATION
       CHEMICAL ATTACK
       CHEMICAL CLEANING
       CLEANING
       COMPOUNDING
       CORROSION
       DIFFUSION
       DILUTION
       DISSOLVED GASES
       EXTRACTION
       HOMOGENIZING
       LEACHING
       PRECIPITATION (CHEMISTRY)
     % SEPARATION
       SOFTENING
       SOLUBILITY
       SOLUTES
     % SOLUTION
       SOLVENT RETENTION
       SOLVENTS
       WASHING

DISSYMMETRY
  USE  ASYMMETRY

DISTANCE
  1308 1902 2103 2311 3009
  GS  #DISTANCE
       .DEBYE LENGTH
       .DIFFUSION LENGTH
       .MISS DISTANCE
       .OPTICAL SLANT RANGE
       .RADAR RANGE
       .RADIO RANGE
       .RANGE AND RANGE RATE TRACKING
       .REENTRY RANGE
  RT   AIRCRAFT PERFORMANCE
       AIRCRAFT SPECIFICATIONS
       ALTITUDE
       DEPTH
       DIMENSIONS
       FOCUSING
       GEOMETRY
       HEIGHT
       LENGTH
       POSITION (LOCATION)
       PROXIMITY
       RADAR NAVIGATION
     % RANGE
       RANGE (EXTREMES)
       TAKEOFF RUNS
     % TRAVEL

DISTANCE MEASURING EQUIPMENT
  0202 0705 1406 2104 2310 3501
  GS   MEASURING INSTRUMENTS
       #DISTANCE MEASURING EQUIPMENT
       ..ALTIMETERS
       ...LASER ALTIMETERS
       ...RADIO ALTIMETERS
       ..GEODIMETERS
       ..RANGE FINDERS
       ...OPTICAL RANGE FINDERS
       ....LASER RANGE FINDERS
       ..STADIMETERS
       ..TELLUROMETERS
  RT   AUTOMATIC FLIGHT CONTROL
       AUTOMATIC LANDING CONTROL
       DECCA NAVIGATION
       DEPTH MEASUREMENT
       DIMENSIONAL MEASUREMENT
       LORAC NAVIGATION SYSTEM
       LORAN
       LUNAR RANGEFINDING
       MICROMETERS
       NAVIGATION
       NAVIGATION AIDS
       OMNIDIRECTIONAL RADIO RANGES
       POSITION INDICATORS
       RADAR
       RADAR EQUIPMENT
       RADAR MEASUREMENT
       RADAR NAVIGATION
       RADIO NAVIGATION
       RANGE ERRORS
       SHORAN
       SOLAR COMPASSES
       SONAR
       SOUND RANGING

DISTANCE PERCEPTION
  USE  SPACE PERCEPTION

DISTILLATION
  0403 0602
  GS  #DISTILLATION
       .STRIPPING (DISTILLATION)
  RT   CHEMICAL FRACTIONATION
       CONCENTRATING
       CONDENSING
       DEMINERALIZING
       DESALINIZATION
       DIFFUSION
       EVAPORATION
       FLASHING (VAPORIZING)
       MATERIALS RECOVERY
       PURGING
       PURIFICATION
       RECTIFICATION
       REFINING
     % SEPARATION
       TAR SANDS
       VAPORIZING
       WASHING

DISTILLATION EQUIPMENT
  0602 1504
  RT   COLUMNS (PROCESS ENGINEERING)
       CONDENSERS (LIQUEFIERS)
     % EQUIPMENT
       STILLS

DISTORTION
  0710 0804 1108 1902 2308 3203 3501
  GS  #DISTORTION
       .FLOW DISTORTION
       .SIGNAL DISTORTION
       .SURFACE DISTORTION
  RT   ABERRATION
       ABNORMALITIES
       ASTIGMATISM
       ASYMMETRY
       BENDING
       BUCKLING
       CAMBER
       DEFLECTION
       DEFORMATION
       DEVIATION
       DISPLACEMENT
       EXPANSION
       FAILURE
       FLEXING
       FOLDING
       FREQUENCY PULLING
       GEOMETRIC ACCURACY
       GHOSTS
       HEAVING
       REFRACTION
       SKEWNESS
       STRETCHING
       SWELLING
       TEMPERATURE INVERSIONS
       TWISTING
       VARIATIONS
       WARPAGE
       WRINKLING

DISTRIBUTED AMPLIFIERS
  0902 0904 1002
  GS   AMPLIFIERS
       #DISTRIBUTED AMPLIFIERS
  RT % FREQUENCY RESPONSE
       TRANSMISSION LINES
```

```
DISTRIBUTED BRAGG REFLECTOR LASERS
  USE  DBR LASERS

DISTRIBUTED FEEDBACK LASERS
  1601
  GS   STIMULATED EMISSION DEVICES
       .LASERS
       .#DISTRIBUTED FEEDBACK LASERS
  RT   DBR LASERS
       FEEDBACK AMPLIFIERS
       FEEDBACK CONTROL
       HETEROJUNCTION DEVICES
       LASER OUTPUTS
       LASING
       SEMICONDUCTOR LASERS
       SOLID STATE LASERS

DISTRIBUTED PARAMETER SYSTEMS
  0902 1905 3408
  RT   CONTROL THEORY
       DIFFERENTIAL EQUATIONS
       INDEPENDENT VARIABLES
       INTEGRAL EQUATIONS
       LINEAR CIRCUITS
       LINEAR SYSTEMS
       NETWORK ANALYSIS
       NONLINEAR SYSTEMS
     % SYSTEMS

DISTRIBUTED PROCESSING
  0708 4001
  GS   DATA PROCESSING
       #DISTRIBUTED PROCESSING
  RT   ARCHITECTURE (COMPUTERS)
       COMPUTER NETWORKS
       COMPUTER SYSTEMS DESIGN
       DINING PHILOSOPHERS PROBLEM
       MICROPROCESSORS
       TRANSPUTERS
       VSAT (NETWORK)

DISTRIBUTING
  3404
  UF   DISPATCHING
  RT   ALLOCATIONS
       ASSIMILATION
       COMMERCIAL ENERGY
       DISPERSING
       DISPOSAL
     % DISTRIBUTION
       DOMESTIC ENERGY
     % FOOD
       INDUSTRIAL ENERGY
       INVENTORY CONTROLS
       MATERIALS HANDLING
       POSITIONING
       PROPORTION
       RESOURCE ALLOCATION
       TRANSPORTATION
       TRANSPORTATION ENERGY

% DISTRIBUTION
  1502 1902 1905
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   ALLOCATIONS
       ASSIMILATION
       BRIGHTNESS DISTRIBUTION
       CIRCULATION DISTRIBUTION
       DEMOGRAPHY
       DISPERSING
       DISPOSAL
       DISTRIBUTING
       DISTRIBUTION (PROPERTY)
       KURTOSIS
       LOAD DISTRIBUTION (FORCES)
       MASS DISTRIBUTION
       MATERIALS HANDLING
       POSITIONING
       PRESSURE DISTRIBUTION
       SPECTRAL ENERGY DISTRIBUTION
       STATISTICAL DISTRIBUTIONS
       THRUST DISTRIBUTION
       TRANSPORTATION

DISTRIBUTION (PROPERTY)
  1203 1902 3404 3501
  UF   PATTERN DISTRIBUTION
  GS  #DISTRIBUTION (PROPERTY)
       .ANGULAR DISTRIBUTION
       .BOLTZMANN DISTRIBUTION
       .BRIGHTNESS DISTRIBUTION
       .CHARGE DISTRIBUTION
       .CURRENT DISTRIBUTION
       .ELECTRON DISTRIBUTION
       ..ELECTRON DENSITY PROFILES
       .ENERGY DISTRIBUTION
       ..SPECTRAL ENERGY DISTRIBUTION
       .FLOW DISTRIBUTION
       .FORCE DISTRIBUTION
       .FREQUENCY DISTRIBUTION
       ..KURTOSIS
       .HOLE DISTRIBUTION (ELECTRONICS)
       .HOLE DISTRIBUTION (MECHANICS)
       .INTERFERENCE LIFT
       .ION DISTRIBUTION
       .LOAD DISTRIBUTION (FORCES)
       .MASS DISTRIBUTION
       .MOMENT DISTRIBUTION
       .NEUTRON DISTRIBUTION
       .PRESSURE DISTRIBUTION
       .RADIAL DISTRIBUTION
       .RADIATION DISTRIBUTION
       ..ANTENNA RADIATION PATTERNS
       ...SIDELOBES
       ..DIFFRACTION PATTERNS
       ...KOSSEL PATTERN
       ...RAINBOWS
       .SPATIAL DISTRIBUTION
       ..STAR DISTRIBUTION
       .STRAIN DISTRIBUTION
       .STRESS DISTRIBUTION
       ..STRESS CONCENTRATION
       .TEMPERATURE DISTRIBUTION
       .VELOCITY DISTRIBUTION
       .VERTICAL DISTRIBUTION
       ..STAR DISTRIBUTION
  RT   CHEMICAL COMPOSITION
     % CROSS SECTIONS
     % DISTRIBUTION
       DYNAMIC CHARACTERISTICS
       FIELD THEORY (PHYSICS)
       GRADIENTS
       JET LIFT
       LIFT
     % PATTERNS
     % PROFILES
       ROTOR LIFT
       STATISTICAL DISTRIBUTIONS
       SYNTHETIC ARRAYS
       ZERO LIFT

DISTRIBUTION FUNCTIONS
  1902 1905
  GS   FUNCTIONS (MATHEMATICS)
       #DISTRIBUTION FUNCTIONS
  RT   CHAPMAN-ENSKOG THEORY
       DISCRETE FUNCTIONS
       MAXIMUM ENTROPY METHOD
       PROBABILITY THEORY
       STATISTICAL DISTRIBUTIONS

DISTRIBUTION MOMENTS
  1905
  UF   STATISTICAL MOMENTS
  GS   MOMENTS
       #DISTRIBUTION MOMENTS
       ..MEAN
       ..ORTHOGONALITY
       ..STANDARD DEVIATION
  RT   AVERAGE
       MEDIAN (STATISTICS)
       METHOD OF MOMENTS
```

MODE (STATISTICS)
SKEWNESS
STATISTICAL DISTRIBUTIONS
VARIANCE (STATISTICS)

DISTRIBUTORS
0303 0904 1504
RT COMMUTATORS
DISPENSERS
FEEDERS
IGNITION SYSTEMS
INTERNAL COMBUSTION ENGINES
MATERIALS HANDLING
ROLLERS
SPRAYERS

DISTRICT OF COLUMBIA
1305
RT POTOMAC RIVER VALLEY (MD-VA-WV)
UNITED STATES

DISTURBANCE THEORY
USE PERTURBATION THEORY

% DISTURBANCES
0410 1308 3009 3406
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT BURSTS
DISORDERS
ELECTROMAGNETIC INTERFERENCE
IONOSPHERIC DISTURBANCES
IONOSPHERIC STORMS
MAGNETIC DISTURBANCES
PERTURBATION
RADIO AURORAS
RADIO BURSTS
SOLAR ACTIVITY
STORMS
SUDDEN IONOSPHERIC DISTURBANCES
VORTICES

DISTURBING FUNCTIONS
1902
GS FUNCTIONS (MATHEMATICS)
#DISTURBING FUNCTIONS
RT PERTURBATION THEORY

DISULFIDES
0603 1804
GS CHALCOGENIDES
.SULFIDES
.#DISULFIDES
...CARBON DISULFIDE
SULFUR COMPOUNDS
.SULFIDES
.#DISULFIDES
...CARBON DISULFIDE

DITCHES
1305
RT CANALS
IRRIGATION
LANDFORMS
TROUGHS

% DITCHING
0203 0506 1502
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT DITCHING (LANDING)
EXCAVATION

DITCHING (EXCAVATION)
USE EXCAVATION

DITCHING (LANDING)
0203
GS CRASHES
.CRASH LANDING
.#DITCHING (LANDING)
LANDING
.AIRCRAFT LANDING
..CRASH LANDING
..#DITCHING (LANDING)
.WATER LANDING
.#DITCHING (LANDING)
RT AIRCRAFT ACCIDENTS
% DITCHING
GLIDE LANDINGS

DITHERS
0408 0410
GS SHAKING
#DITHERS
SHIVERING
#DITHERS
RT DISORDERS
DISORIENTATION
EMOTIONAL FACTORS
HUMAN BEHAVIOR
% INHIBITION
IRRATIONALITY
VACILLATION

DITHIOLS
USE THIOLS

DIURESIS
0405
RT BODY FLUIDS
EDEMA
URINATION

DIURETICS
0405
GS #DIURETICS
.AMINOPHYLLINE
RT ACETAZOLAMIDE
UREAS

DIURNAL RHYTHMS
USE CIRCADIAN RHYTHMS

DIURNAL VARIATIONS
1308 2003 2903 3009
GS VARIATIONS
.PERIODIC VARIATIONS
.#DIURNAL VARIATIONS
RT CYCLES
DARKNESS
DAYTIME
MAGNETIC VARIATIONS
NIGHT
NOCTURNAL VARIATIONS
TROPOPAUSE
WIND VARIATIONS

DIVERGENCE
1902 3401 3406
GS #DIVERGENCE
.MAGNETIC CHARGE DENSITY
RT CATASTROPHE THEORY
CONVERGENCE
DEVIATION
DIFFERENCES
DISPLACEMENT
% DRIFT
FOURIER ANALYSIS
FUNCTIONS (MATHEMATICS)
GEOSTROPHIC WIND
REFRACTION
SERIES (MATHEMATICS)
SERIES EXPANSION
VARIATIONS
VORTICES

DIVERGENT NOZZLES
1201 1504 3501
RT CONICAL NOZZLES
EXHAUST NOZZLES
NOZZLE GEOMETRY
NOZZLE WALLS

% NOZZLES
ROCKET NOZZLES
THRUST CHAMBERS
WIND TUNNEL NOZZLES

DIVERTERS
2205
RT BAFFLES
BLAST DEFLECTORS
BYPASSES
DEFLECTORS
% DIFFUSERS
DIVIDERS
FLAME DEFLECTORS
% SEPARATION
SEPARATORS
SHIELDING
VALVES

DIVIDERS
0902 0904 0905 1001 1504 1902
SN (EXCLUDES VOLTAGE AND FREQUENCY DIVIDERS)
GS SEPARATORS
#DIVIDERS
RT BAFFLES
% BARRIERS
CURTAINS
DIVERTERS
PANELS
SPACERS

DIVIDES (LANDFORMS)
1306 1308
GS LANDFORMS
#DIVIDES (LANDFORMS)
RT DRAINAGE PATTERNS
MOUNTAINS
WATERSHEDS

DIVIDING (MATHEMATICS)
1902
GS NUMBER THEORY
#DIVIDING (MATHEMATICS)
RT ARITHMETIC
COMPUTATION
CONGRUENCES
% DIVISION
QUOTIENTS

DIVING (UNDERWATER)
0401
GS SUBMERGED BODIES
#DIVING (UNDERWATER)
RT BAROTRAUMA
DECOMPRESSION SICKNESS
HUMAN TOLERANCES
MEDICAL PHENOMENA
PHYSIOLOGICAL EFFECTS
UNDERWATER PHYSIOLOGY
UNDERWATER TESTS

% DIVISION
1902
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT CELL DIVISION
DIVIDING (MATHEMATICS)
NUMBER THEORY
% SEPARATION
SUBDIVISIONS
SUBSIDIARIES

DIVOT (VOICE TRANSLATORS)
USE DIGITAL TO VOICE TRANSLATORS

DJIBOUTI
1305
GS NATIONS
#DJIBOUTI
RT AFRICA

DME-A SATELLITE
USE EXPLORER 31 SATELLITE

DMSP SATELLITES
3107
UF DEFENSE METEOROLOGICAL SATELLITE PROGRAM
GS ARTIFICIAL SATELLITES
.METEOROLOGICAL SATELLITES
.#DMSP SATELLITES
MILITARY SPACECRAFT
#DMSP SATELLITES
RT AIR DEFENSE
% DEFENSE
DEFENSE PROGRAM
METEOROLOGY
PHOTOMAPPING
PHOTORECONNAISSANCE
REMOTE SENSING
SATELLITE-BORNE PHOTOGRAPHY

DNA
USE DEOXYRIBONUCLEIC ACID

DO-27 AIRCRAFT
0204
UF DORNIER DO-27 AIRCRAFT
GS DORNIER AIRCRAFT
#DO-27 AIRCRAFT
GENERAL AVIATION AIRCRAFT
#DO-27 AIRCRAFT
LIGHT AIRCRAFT
#DO-27 AIRCRAFT
MONOPLANES
#DO-27 AIRCRAFT
PASSENGER AIRCRAFT
#DO-27 AIRCRAFT
UTILITY AIRCRAFT
#DO-27 AIRCRAFT
RT % AIRCRAFT

DO-28 AIRCRAFT
0204
UF DORNIER DO-28 AIRCRAFT
GS DORNIER AIRCRAFT
#DO-28 AIRCRAFT
GENERAL AVIATION AIRCRAFT
#DO-28 AIRCRAFT
LIGHT AIRCRAFT
#DO-28 AIRCRAFT
MONOPLANES
#DO-28 AIRCRAFT
PASSENGER AIRCRAFT
#DO-28 AIRCRAFT
UTILITY AIRCRAFT
#DO-28 AIRCRAFT
RT % AIRCRAFT

DO-31 AIRCRAFT
0209
UF DORNIER DO-31 AIRCRAFT
GS DORNIER AIRCRAFT
#DO-31 AIRCRAFT
JET AIRCRAFT
.TURBOFAN AIRCRAFT
.#DO-31 AIRCRAFT
MONOPLANES
#DO-31 AIRCRAFT
TRANSPORT AIRCRAFT
#DO-31 AIRCRAFT
V/STOL AIRCRAFT
#DO-31 AIRCRAFT
RT % AIRCRAFT

DOCKING
USE SPACECRAFT DOCKING

DOCUMENT STORAGE
0803
RT DATA STORAGE
DOCUMENTATION
% FILES

```
      REPRODUCTION (COPYING)
    % STORAGE

DOCUMENTATION
  0803 3405
  SN   (LIMITED TO WRITTEN MATERIAL THAT
       ACCOMPANIES, EXPLAINS, SPECIFIES
       OR DESCRIBES EQUIPMENT OR SYSTEMS)
  GS   LITERATURE
       #DOCUMENTATION
  RT   ACQUISITION
       BIBLIOGRAPHIES
       BIOGRAPHY
       CASE HISTORIES
       CATALOGS (PUBLICATIONS)
       CONFERENCES
       DATA RETRIEVAL
       DOCUMENT STORAGE
       DOCUMENTS
       HISTORIES
       INDEXES (DOCUMENTATION)
       INFORMATION
       INFORMATION DISSEMINATION
       INFORMATION RETRIEVAL
       KNOWLEDGE
       LIBRARIES
       NEWS
       RECORDS
    % REFERENCE SYSTEMS
       REPORTS
       SELECTIVE DISSEMINATION OF
       INFORMATION
       SPACE GLOSSARIES
       SUMMARIES
       TECHNICAL WRITING
       TECHNOLOGY TRANSFER
       TRANSLATING

DOCUMENTS
  0803 3405
  UF   PUBLICATIONS
  GS  #DOCUMENTS
       .ABSTRACTS
       .BIBLIOGRAPHIES
       .CATALOGS (PUBLICATIONS)
       ..ASTRONOMICAL CATALOGS
       .ENGINEERING DRAWINGS
       ..BLUEPRINTS
       .HANDBOOKS
       ..USER MANUALS (COMPUTER PROGRAMS)
       .MANUALS
       ..INSTALLATION MANUALS
       ..USER MANUALS (COMPUTER PROGRAMS)
       .PAPERS
       .PERIODICALS
       .POSTLAUNCH REPORTS
       .PRESIDENTIAL REPORTS
       .RECORDS
       ..VIDEO DISKS
       .SUPPLEMENTS
       .TEXTBOOKS
       .TEXTS
       .THESES
  RT   CONFERENCES
       CONGRESSIONAL REPORTS
       COPYRIGHTS
       DICTIONARIES
       DOCUMENTATION
       DRAWINGS
       FORMAT
       HARDWARE UTILIZATION LISTS
       INDEXES (DOCUMENTATION)
       INFORMATION RETRIEVAL
       LIBRARIES
       LITERATURE
       REPORTS
       TECHNOLOGY TRANSFER

DODGE SATELLITE
  3107
  GS   ARTIFICIAL SATELLITES
       #DODGE SATELLITE

DOGHOUSES (ELECTRONICS)
  0904
  GS   HOUSINGS
       #DOGHOUSES (ELECTRONICS)
       RADAR EQUIPMENT
       #DOGHOUSES (ELECTRONICS)
  RT   ENCLOSURES
       RADAR ANTENNAS

DOGS
  0402
  GS   ANIMALS
       .VERTEBRATES
       ..MAMMALS
       ..#DOGS

DOLLIES
  3106 3108 3409
  GS   SURFACE VEHICLES
       #DOLLIES
  RT   CARRIAGES
       MATERIALS HANDLING
       SLEDS
       TRUCKS
       UNDERCARRIAGES

DOLOMITE (MINERAL)
  1806 2601
  GS   CARBON COMPOUNDS
       .CARBONATES
       .#DOLOMITE (MINERAL)
       MAGNESIUM COMPOUNDS
       #DOLOMITE (MINERAL)
       MINERALS
       #DOLOMITE (MINERAL)
  RT   AGGREGATES
       LIMESTONE
       ROCKS
       SEDIMENTARY ROCKS

DOLPHINS
  0402
  GS   ANIMALS
       .VERTEBRATES
       ..MAMMALS
       ...MARINE MAMMALS
       ...#DOLPHINS

DOMAIN WALL
  2304 2305 2307
  RT   DOMAINS
       MAGNETIC DOMAINS
    % MOTION

DOMAINS
  1902 2304 2307 2603
  GS  #DOMAINS
       .MAGNETIC DOMAINS
  RT   DIPOLE MOMENTS
       DOMAIN WALL
       ELECTRICAL PROPERTIES
       RANGE (EXTREMES)

% DOMES
  3202 3203
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   DOMES (GEOLOGY)
       DOMES (STRUCTURAL FORMS)

DOMES (GEOLOGY)
  1306
  RT   ANTICLINES
    % DOMES
       GEOLOGY
       GEOSYNCLINES
       SYNCLINES

DOMES (STRUCTURAL FORMS)
  3203
  GS   SHELLS (STRUCTURAL FORMS)
```

```
        #DOMES (STRUCTURAL FORMS)
        ..RADOMES
  RT % CUPOLAS
     % DOMES
        HEMISPHERICAL SHELLS
        HOUSINGS
        PRESSURE VESSELS
        PROTUBERANCES

DOMESTIC ENERGY
  0301
  RT    ALLOCATIONS
        COMMERCIAL ENERGY
        DISTRIBUTING
        ECONOMIC FACTORS
     % ENERGY
        ENERGY CONSUMPTION
        ENERGY CONVERSION
        INDUSTRIAL ENERGY
        SOLAR COOLING
        SOLAR HOUSES
        TRANSPORTATION ENERGY
        WATER HEATING

DOMESTIC SATELLITE COMMUNICATIONS SYSTEMS
  0702 0706 3107
  RT    COMMUNICATION SATELLITES
        DIRECT BROADCAST SATELLITES
        MICROWAVE TRANSMISSION
        RCA SATCOM SATELLITES
        SATELLITE NETWORKS
        SATELLITE TRANSMISSION
     % SYSTEMS

DOMINANCE
  0404
  GS   #DOMINANCE
        .EYE DOMINANCE
  RT    GENETICS

DOMINICA
  1305
  GS    LANDFORMS
        .ISLANDS
        ..WEST INDIES
        ..#DOMINICA
        NATIONS
        #DOMINICA

DOMINICAN REPUBLIC
  1305
  GS    NATIONS
        #DOMINICAN REPUBLIC
  RT    CARIBBEAN REGION
        CARIBBEAN SEA

DOMINO PROPELLANTS
  2701 2702
  GS    PROPELLANTS
        .HIGH ENERGY PROPELLANTS
        .#DOMINO PROPELLANTS
  RT    PLASTICIZERS
        ROCKET OXIDIZERS
        SOLID ROCKET PROPELLANTS

DONNELL EQUATIONS
  3203
  RT    BUCKLING
     % EQUATIONS
        STRESS ANALYSIS

DONOR MATERIALS
  0603 0906 2602
  GS    SEMICONDUCTORS (MATERIALS)
        #DONOR MATERIALS
  RT    CARRIER DENSITY (SOLID STATE)
        ELECTRONS
        HOLES (ELECTRON DEFICIENCIES)
     % MATERIALS
        MODULATION DOPING

DOORS
  0504 0508 3202
  UF    EXITS (DOORS)
  RT    AIR LOCKS
        APERTURES
        CURTAINS
        EGRESS
        ENTRANCES
        FLOORS
        GATES (OPENINGS)
        HATCHES
        INGRESS (SPACECRAFT PASSAGEWAY)
        OPENINGS
        OUTLETS
     % THRESHOLDS
        WINDOWS (APERTURES)

DOPA
  0403
  UF    DIHYDROXYPHENYLALANINE
  GS    ACIDS
        .AMINO ACIDS
        .#DOPA
        ORGANIC COMPOUNDS
        .AMINO ACIDS
        .#DOPA
  RT % CHEMICAL COMPOUNDS
        MELANIN
        OXIDATION
        PIGMENTS

DOPED CRYSTALS
  1704 2601
  GS    CRYSTALS
        #DOPED CRYSTALS
  RT    CRYSTAL GROWTH
        CRYSTAL OPTICS
        CRYSTAL STRUCTURE
        GADOLINIUM-GALLIUM GARNET
        MODFETS
        MODULATION DOPING

DOPES
  1802 1805
  RT    ADDITIVES
        FILLERS
        FINISHES
        GELS
        PRIMERS (COATINGS)
        SEALERS

DOPING (ADDITIVES)
  USE   ADDITIVES

DOPPLER EFFECT
  0702 0705 0710 2301 2310 2311 3001
  UF    DOVAP
        STELLAR DOPPLER SHIFT
  GS   #DOPPLER EFFECT
        .DOPPLER-FIZEAU EFFECT
  RT % EFFECTS
        ELASTIC WAVES
        ELECTROMAGNETIC RADIATION
        FIZEAU EFFECT
        FREQUENCY SHIFT
        OPTICAL HETERODYNING
        RADIAL VELOCITY
        RED SHIFT
        SATELLITE DOPPLER POSITIONING
        STELLAR MOTIONS

DOPPLER NAVIGATION
  0705 0708 2103
  GS    NAVIGATION
        #DOPPLER NAVIGATION
  RT    AIR NAVIGATION
        ALL-WEATHER AIR NAVIGATION
        DEAD RECKONING
        RADAR NAVIGATION
        RADIO NAVIGATION
        SATELLITE DOPPLER POSITIONING

DOPPLER RADAR
  0705 0706 0707 0709 2103
```

```
  GS   RADAR
       #DOPPLER RADAR
       ..MULTISTATIC RADAR
  RT   AIRBORNE RADAR
       COHERENT RADAR
       CONTINUOUS WAVE RADAR
       MONOPULSE RADAR
       MOVING TARGET INDICATORS
       POLYSTATION DOPPLER TRACKING SYSTEM
       PULSE RADAR
       RADAR DETECTION
       RADAR EQUIPMENT
       RADAR NAVIGATION
       RADAR NETWORKS
       RADAR TRACKING
       SATELLITE DOPPLER POSITIONING
       SURVEILLANCE RADAR

DOPPLER-FIZEAU EFFECT
  2306 2310 2311 3009
  GS   DOPPLER EFFECT
       #DOPPLER-FIZEAU EFFECT
  RT % EFFECTS
       FIZEAU EFFECT
       FREQUENCY SHIFT
       RADAR NAVIGATION
       RED SHIFT
       STELLAR MOTIONS

DORNIER AIRCRAFT
  0209
  GS  #DORNIER AIRCRAFT
       .DO-27 AIRCRAFT
       .DO-28 AIRCRAFT
       .DO-31 AIRCRAFT
  RT % AIRCRAFT

DORNIER DO-27 AIRCRAFT
  USE  DO-27 AIRCRAFT

DORNIER DO-28 AIRCRAFT
  USE  DO-28 AIRCRAFT

DORNIER DO-31 AIRCRAFT
  USE  DO-31 AIRCRAFT

DORNIER PARAGLIDER ROCKET VEHICLE
  3106
  GS   ROCKET VEHICLES
       .SINGLE STAGE ROCKET VEHICLES
       .#DORNIER PARAGLIDER ROCKET VEHICLE
       .SOUNDING ROCKETS
       .#DORNIER PARAGLIDER ROCKET VEHICLE
  RT   LIQUID PROPELLANT ROCKET ENGINES

DORSAL SECTIONS
  0404
  RT   ANATOMY
       POSTERIOR SECTIONS

DOSAGE
  0411
  UF   DOSE
  GS  #DOSAGE
       .RADIATION DOSAGE
       .SUBLETHAL DOSAGE
  RT   BIOLOGICAL EFFECTS
       DOSIMETERS
       DRUGS
       RADIATION MEASUREMENT

DOSE
  USE  DOSAGE

DOSIMETERS
  0411 0508 1404 1406
  UF   DOSIMETRY
  GS   MEASURING INSTRUMENTS
       .RADIATION MEASURING INSTRUMENTS
       ..RADIATION DETECTORS
       ..#DOSIMETERS
       ....THRESHOLD DETECTORS
           (DOSIMETERS)
  RT   ACTINOMETERS
       DOSAGE
       EXPOSURE
       FLUX (RATE)
       FLUX DENSITY
       GEIGER COUNTERS
       IONIZATION CHAMBERS
       IRRADIATION
       NEUTRON COUNTERS
       NUCLEAR EMULSIONS
       PHOTOGRAPHIC MEASUREMENT
       PROPORTIONAL COUNTERS
       RADIANT FLUX DENSITY
       RADIATION COUNTERS
       RADIATION DOSAGE
       RADIATION EFFECTS
       RADIATION HAZARDS
       RADIATION MEASUREMENT
       RADIOBIOLOGY

DOSIMETRY
  USE  DOSIMETERS

DOUBLE BASE PROPELLANTS
  2702 2809
  UF   CORDITE
  GS   PROPELLANTS
       #DOUBLE BASE PROPELLANTS
       ..DOUBLE BASE ROCKET PROPELLANTS
  RT   CELLULOSE NITRATE
       COMPOSITE PROPELLANTS
       ENDOTHERMIC FUELS
       EXPLOSIVES
       NITROGLYCERIN
       PLASTISOLS
       PYROTECHNICS

DOUBLE BASE ROCKET PROPELLANTS
  2702 2809
  GS   GELS
       #DOUBLE BASE ROCKET PROPELLANTS
       PROPELLANTS
       .DOUBLE BASE PROPELLANTS
       .#DOUBLE BASE ROCKET PROPELLANTS
       .ROCKET PROPELLANTS
       ..SOLID ROCKET PROPELLANTS
       ..#DOUBLE BASE ROCKET PROPELLANTS
       .SOLID PROPELLANTS
       ..SOLID ROCKET PROPELLANTS
       ..#DOUBLE BASE ROCKET PROPELLANTS
  RT   CELLULOSE NITRATE
       COMPOSITE PROPELLANTS
       EXPLOSIVES
       NITROGLYCERIN

DOUBLE CUSPS
  1902
  UF   OSCULATIONS
  GS   GEOMETRY
       .CUSPS (MATHEMATICS)
       .#DOUBLE CUSPS
  RT % CUSPS

DOUBLE PRECISION ARITHMETIC
  0801 0802
  GS   NUMBER THEORY
       .ARITHMETIC
       .#DOUBLE PRECISION ARITHMETIC
  RT   ARITHMETIC AND LOGIC UNITS
     % NUMBERS

DOUBLE SIDEBAND TRANSMISSION
  0702 0705 0710
  GS   TRANSMISSION
       .ELECTROMAGNETIC WAVE TRANSMISSION
       ..RADIO TRANSMISSION
       ..#DOUBLE SIDEBAND TRANSMISSION
       .SIGNAL TRANSMISSION
       ..RADIO TRANSMISSION
       ..#DOUBLE SIDEBAND TRANSMISSION
  RT   MODULATION
       SIDEBANDS
```

```
        SINGLE SIDEBAND TRANSMISSION
        TELEVISION TRANSMISSION
        WAVE PROPAGATION

DOUBLE STARS
  1901 3001
  GS    CELESTIAL BODIES
        .STARS
        .#DOUBLE STARS
        ...BINARY STARS
        ....CATACLYSMIC VARIABLES
        ....COMPANION STARS
        .....NEMESIS (STAR)
        ....ECLIPSING BINARY STARS
        .....DWARF NOVAE
        .....LAMBDA TAURI STARS
        .....ZETA AURIGAE STAR
        ....SIGMA ORIONIS
        ....SYMBIOTIC STARS
        ....X RAY BINARIES
  RT    ASTROMETRY
        STELLAR MOTIONS

DOUGHNUT SHAPE WHEELS
  USE   TOROIDAL WHEELS

DOUGLAS AIRCRAFT
  0201 0207
  GS    MCDONNELL DOUGLAS AIRCRAFT
        #DOUGLAS AIRCRAFT
        ..A-1 AIRCRAFT
        ..A-3 AIRCRAFT
        ..A-4 AIRCRAFT
        ..B-66 AIRCRAFT
        ..C-9 AIRCRAFT
        ..C-47 AIRCRAFT
        ..C-54 AIRCRAFT
        ..C-118 AIRCRAFT
        ..C-124 AIRCRAFT
        ..C-133 AIRCRAFT
        ..D-558 AIRCRAFT
        ..DC 3 AIRCRAFT
        ..DC 7 AIRCRAFT
        ..DC 8 AIRCRAFT
        ..DC 9 AIRCRAFT
        ..DC 10 AIRCRAFT
        ..PD-808 AIRCRAFT
        ..X-3 AIRCRAFT
  RT % AIRCRAFT

DOUGLAS D-558 AIRCRAFT
  USE   D-558 AIRCRAFT

DOUGLAS DC-3 AIRCRAFT
  USE   DC 3 AIRCRAFT

DOUGLAS DC-7 AIRCRAFT
  USE   DC 7 AIRCRAFT

DOUGLAS DC-8 AIRCRAFT
  USE   DC 8 AIRCRAFT

DOUGLAS DC-9 AIRCRAFT
  USE   DC 9 AIRCRAFT

DOUGLAS PD-808 AIRCRAFT
  USE   PD-808 AIRCRAFT

DOVAP
  USE   DOPPLER EFFECT

DOWN-CONVERTERS
  0710 1413 2402
  GS    FREQUENCY CONVERTERS
        #DOWN-CONVERTERS
  RT %  CONVERTERS
        FREQUENCY DIVIDERS

DOWNBURSTS
  2001 2003
  GS    STORMS
        .STORMS (METEOROLOGY)
        .#DOWNBURSTS
        ...MICROBURSTS (METEOROLOGY)
  RT    AVIATION METEOROLOGY
        FLIGHT HAZARDS
        THUNDERSTORMS
        VERTICAL AIR CURRENTS
        WIND SHEAR

DOWNLINKING
  0702
  RT    CARRIER TO NOISE RATIOS
        COMMUNICATION SATELLITES
        FREQUENCY REUSE
        GROUND STATIONS
        MICROWAVE TRANSMISSION
        SATELLITE TRANSMISSION
        TRANSMISSION EFFICIENCY
        UPLINKING

DOWNRANGE
  1104 1108 1904 3006 3102 3105 3501
  RT    BALLISTIC RANGES
        BALLISTIC TRAJECTORIES
        FLIGHT TESTS
        IMPACT PREDICTION
        MISSILE RANGES
        RECOVERY ZONES
        TEST RANGES
        TOUCHDOWN
        TRAJECTORIES

DOWNRANGE ANTIMISSILE MEASUREMENT PROGRAM
  1108 1406 3501
  UF    DAMP PROGRAM
  GS    PROGRAMS
        #DOWNRANGE ANTIMISSILE MEASUREMENT
         PROGRAM
  RT %  MEASUREMENT

DOWNRANGE MEASUREMENT
  1108 1406 3501
  RT %  MEASUREMENT
        TEST RANGES

DOWNTIME
  1505 1905
  GS    TIME
        #DOWNTIME
  RT    FAILURE
        INVENTORY MANAGEMENT
        LOGISTICS
        MAINTENANCE
        MALFUNCTIONS
        MTBF
        RELIABILITY
        SPARE PARTS
        SYSTEM FAILURES
        TURNAROUND (STS)

DOWNWASH
  0101 1202
  RT    BACKWASH
     %  DRAFT
        GROUND EFFECT (AERODYNAMICS)
        HELICOPTER WAKES
        LIFT AUGMENTATION
        PERIPHERAL JET FLOW
        UPWASH
        WAKES

DPCM (MODULATION)
  USE   DIFFERENTIAL PULSE CODE MODULATION

DRACONID METEOROIDS
  3005
  GS    CELESTIAL BODIES
        .METEOROID SHOWERS
        .#DRACONID METEOROIDS
        .METEOROIDS
        .#DRACONID METEOROIDS
  RT    GIACOBINI-ZINNER COMET

% DRAFT
```

```
  1203 1408 1504 1704 3501
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   BOUNDARY LAYERS
       DOWNWASH
       DRAFT (GAS FLOW)
       DRAFTING (DRAWING)
       UPWASH
       WAKES

DRAFT (GAS FLOW)
  1203 3501
  RT % DRAFT
       FLUES
       VENTILATION

DRAFTING (DRAWING)
  3404
  RT % DRAFT
     % DRAWING
       DRAWINGS
       GRAPHIC ARTS

DRAFTING MACHINES
  1504 3404
  RT   COMPUTER AIDED DESIGN
     % DESIGN
     % MACHINERY

DRAG
  0101 1202
  UF   DRAG EFFECT
  GS   DYNAMIC CHARACTERISTICS
       #DRAG
       ..ELECTROSTATIC DRAG
       ..FRICTION DRAG
       ...AERODYNAMIC DRAG
       ....SUPERSONIC DRAG
       ...VISCOUS DRAG
       ..INDUCED DRAG
       ..MINIMUM DRAG
       ..PRESSURE DRAG
       ...SUPERSONIC DRAG
       ...WAVE DRAG
       ....INTERFERENCE DRAG
       ..SATELLITE DRAG
  RT   AERODYNAMIC CONFIGURATIONS
       AERODYNAMICS
       BOUNDARY LAYERS
     % DRAG COEFFICIENTS
       DRAG MEASUREMENT
       FRICTION
       GRAVITATION
       GROUND EFFECT (AERODYNAMICS)
       LIFT
       SKIN FRICTION
       WAKES

DRAG BALANCE
  USE  AERODYNAMIC BALANCE
       LIFT DRAG RATIO

DRAG CHUTES
  0208
  UF   DROGUE PARACHUTES
  GS   BRAKES (FOR ARRESTING MOTION)
       .AERODYNAMIC BRAKES
       .#DRAG CHUTES
       DRAG DEVICES
       .AERODYNAMIC BRAKES
       .#DRAG CHUTES
       PARACHUTES
       #DRAG CHUTES
  RT   AIRCRAFT BRAKES
       AIRDROPS
       BALLUTES
       RIBBON PARACHUTES
       TOWED BODIES

% DRAG COEFFICIENTS
  0101
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   AERODYNAMIC COEFFICIENTS
       AERODYNAMIC DRAG
       DRAG
       HYDRODYNAMIC COEFFICIENTS

DRAG DEVICES
  0104 0203 0208
  UF   DRAGULATORS
  GS  #DRAG DEVICES
       .AERODYNAMIC BRAKES
       ..BALLUTES
       ..DRAG CHUTES
       ..PARAVULCOONS
       ..SPLIT FLAPS
       ..WING FLAPS
       ...LEADING EDGE FLAPS
       ...LEADING EDGE SLATS
       ...TRAILING EDGE FLAPS
       ...VORTEX FLAPS
       .SPOILERS
  RT   ABORT APPARATUS
       AIRCRAFT BRAKES
       BOUNDARY LAYER CONTROL
       BRAKES (FOR ARRESTING MOTION)
       CONTROL SURFACES
       FLAPS (CONTROL SURFACES)
       LIFT DEVICES
       SKIN FRICTION
       VORTEX ALLEVIATION

DRAG EFFECT
  USE  DRAG

DRAG FORCE ANEMOMETERS
  1203 3501
  GS   MEASURING INSTRUMENTS
       .ANEMOMETERS
       .#DRAG FORCE ANEMOMETERS
  RT   FLOW MEASUREMENT
     % INSTRUMENTS
       VELOCITY MEASUREMENT

DRAG MEASUREMENT
  0101 1202 1406 1408 3501
  GS   MECHANICAL MEASUREMENT
       #DRAG MEASUREMENT
  RT   AERODYNAMIC DRAG
       DRAG
       ELECTROSTATIC DRAG
       FLOW MEASUREMENT
     % MEASUREMENT
       MEASURING INSTRUMENTS

DRAG REDUCTION
  0101 0104 1202 3404
  RT   AERODYNAMIC DRAG
       FLUID FLOW
       FRICTION
       INDUCED DRAG
       LIFT DRAG RATIO
     % REDUCTION
       RIBLETS
       WINGLETS

DRAGULATORS
  USE  BRAKES (FOR ARRESTING MOTION)
       DRAG DEVICES

DRAINAGE
  0505
  UF   DRAINING
       RUNOFFS
  RT % DISCHARGE
       EVACUATING (VACUUM)
       EXCAVATION
       FLOOD CONTROL
       HYDROLOGY
       HYDROLOGY MODELS
       IRRIGATION
       LIQUID WASTES
```

```
      MINES (EXCAVATIONS)
      PERMEABILITY
    % PUMPING
      SEEPAGE
      SEWERS
      SUMPS
      TUNNELING (EXCAVATION)
      WASTE DISPOSAL
      WATER FLOW
      WATER RUNOFF
      WATER TABLES

DRAINAGE PATTERNS
  1204
  UF  DENDRITIC DRAINAGE
      INTERLACING DRAINAGE
      RADIAL DRAINAGE PATTERNS
      RECTANGULAR DRAINAGE
  RT  ARROYOS
      DIVIDES (LANDFORMS)
      FLOOD DAMAGE
      HYDROLOGY
      IRRIGATION
      MISSISSIPPI RIVER (US)
    % PATTERNS
      PRECIPITATION (METEOROLOGY)
      TRIBUTARIES
      WATER EROSION
      WATER FLOW
      WATERSHEDS

DRAINING
  USE  DRAINAGE

% DRAWING
  0602 1704
  SN  (USE OF A MORE SPECIFIC TERM IS
      RECOMMENDED--CONSULT THE TERMS
      LISTED BELOW)
  RT  BUNDLE DRAWING
      COLD DRAWING
      DRAFTING (DRAWING)
      DRAWINGS
      EXTRUDING
      LAYOUTS
      METAL DRAWING
      PULLING
      RECORDS
      STRETCH FORMING
      STRETCHING
      TEMPERING

DRAWINGS
  3404
  UF  ELEVATIONS (DRAWINGS)
  GS  #DRAWINGS
      .ENGINEERING DRAWINGS
      ..BLUEPRINTS
  RT  CHARTS
    % CROSS SECTIONS
      DIAGRAMS
      DIMENSIONS
      DOCUMENTS
      DRAFTING (DRAWING)
    % DRAWING
      GRAPHIC ARTS
      INKS
      LAYOUTS
    % PLANS
    % PROJECTION
      REPRESENTATIONS
      REPRODUCTION (COPYING)
      SPECIFICATIONS
    % TRACING
      VISUAL AIDS

DRC (CAPSULE)
  USE  DISCOVERER RECOVERY CAPSULES

DREAMS
  0404 0408
  RT  RAPID EYE MOVEMENT STATE
      SLEEP

DREDGED MATERIALS
  1306
  RT  CHANNEL FLOW
    % CHANNELS
    % MATERIALS
      SEDIMENTS

DREDGING
  RT  ARTIFICIAL HARBORS
      HARBORS
      MINERAL DEPOSITS
      MINING
      UNDERWATER RESOURCES

% DRIFT
  0201 0702 1001 1406 1905 2103 2602
  3501
  SN  (USE OF A MORE SPECIFIC TERM IS
      RECOMMENDED--CONSULT THE TERMS
      LISTED BELOW)
  RT  DEVIATION
      DIVERGENCE
      DRIFT (INSTRUMENTATION)
      DRIFT RATE
      FLIGHT PATHS
      IONOSPHERIC DRIFT
      STABILITY

DRIFT (INSTRUMENTATION)
  1402 1406 3501
  UF  INSTRUMENT DRIFT
  RT  ACCURACY
      CIRCUIT RELIABILITY
    % DRIFT
      DRIFT RATE
      DYNAMIC STABILITY
      ERRORS
      INSTRUMENT ERRORS
      STATIC STABILITY
      TOLERANCES (MECHANICS)

DRIFT RATE
  0201 0702 1001 1406 1905 2103 2602
  GS  RATES (PER TIME)
      #DRIFT RATE
  RT % DRIFT
      DRIFT (INSTRUMENTATION)
      IONOSPHERIC DRIFT
      MOBILITY
      ORBIT PERTURBATION
      ORBITAL MECHANICS
      ROTATING PLASMAS
      STABILITY
      TRAJECTORY CONTROL

DRILL BITS
  1504
  GS  CUTTERS
      #DRILL BITS
      TOOLS
      #DRILL BITS
  RT  BITS
      DRILLING
      DRILLS

DRILLING
  1504 3404
  GS  #DRILLING
      .LASER DRILLING
  RT  BOREHOLES
      CORE SAMPLING
      CUTTING
      DRILL BITS
      DRILLS
      EXPLORATION
      MACHINING
      MICROMACHINING
      NATURAL GAS EXPLORATION
      OFFSHORE ENERGY SOURCES
      OIL EXPLORATION
      OIL FIELDS
```

PENETRATION
PERFORATING
PIERCING
TUNNELING (EXCAVATION)
WELLS

DRILLS
1504 3404
GS CUTTERS
#DRILLS
RT BORING MACHINES
COMPRESSED AIR
DRILL BITS
DRILLING
MACHINE TOOLS
TAPS
TOOLS

DRINKING
0404 1504 3404
GS INGESTION (BIOLOGY)
#DRINKING
RT BEVERAGES
SWALLOWING

% DRIVES
1504
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT MECHANICAL DRIVES
MOTIVATION
PROPULSION
SEX
SLEEP
WIND TUNNEL DRIVES

DROGUE PARACHUTES
USE DRAG CHUTES

DROGUES
USE TOWED BODIES

DRONE AIRCRAFT
0205
UF DRONE HELICOPTERS
GS DRONE VEHICLES
#DRONE AIRCRAFT
..TARGET DRONE AIRCRAFT
...FIREBEE 2 TARGET DRONE AIRCRAFT
...JINDIVIK TARGET AIRCRAFT
PILOTLESS AIRCRAFT
#DRONE AIRCRAFT
..TARGET DRONE AIRCRAFT
...FIREBEE 2 TARGET DRONE AIRCRAFT
...JINDIVIK TARGET AIRCRAFT
RT % AIRCRAFT
ANTISUBMARINE WARFARE AIRCRAFT
DAST PROGRAM
LIGHT AIRCRAFT
% MILITARY AIRCRAFT
OBLIQUE WINGS
REMOTELY PILOTED VEHICLES
RESEARCH AIRCRAFT
V/STOL AIRCRAFT

DRONE HELICOPTERS
USE DRONE AIRCRAFT
HELICOPTERS

DRONE VEHICLES
0201 2102
GS #DRONE VEHICLES
.DRONE AIRCRAFT
..TARGET DRONE AIRCRAFT
...FIREBEE 2 TARGET DRONE AIRCRAFT
...JINDIVIK TARGET AIRCRAFT
RT % MILITARY AIRCRAFT
PILOTLESS AIRCRAFT
SANDPIPER TARGET MISSILE
% VEHICLES
% WINGED VEHICLES

DRONES FOR AERODYNAMIC AND STRUCT TEST
USE DAST PROGRAM

DROOPED AIRFOILS
0101
GS AERODYNAMIC CONFIGURATIONS
#DROOPED AIRFOILS
AIRCRAFT CONFIGURATIONS
#DROOPED AIRFOILS
AIRFOILS
#DROOPED AIRFOILS
RT BODY-WING CONFIGURATIONS
WING ROOTS
WINGS

% DROP
1202 1902 2311
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT DROPS (LIQUIDS)
GRADIENTS

DROP CALORIMETERS
1408
GS MEASURING INSTRUMENTS
.CALORIMETERS
.#DROP CALORIMETERS
RT BOMB CALORIMETERS
FLAME CALORIMETERS
HEAT MEASUREMENT
HIGH TEMPERATURE TESTS
TEMPERATURE MEASURING INSTRUMENTS

DROP SIZE
1202 2003 2311
RT CLOUD PHYSICS
CLOUDS (METEOROLOGY)
CONDENSATES
CONDENSING
FOG
HUMIDITY
HYDROGEN CLOUDS
NUCLEATION
PARTICLE DIFFUSION
PARTICLE SIZE DISTRIBUTION
% PRECIPITATION
PRECIPITATION PARTICLE MEASUREMENT
RAINDROPS
SIZE DISTRIBUTION

DROP TESTS
1108 3201 3203 3404 3501
UF DROP WEIGHT TESTS
RT CHARPY IMPACT TEST
DESTRUCTIVE TESTS
IMPACT TESTING MACHINES
IMPACT TESTS
NOTCH TESTS
SHOCK TESTS
% TESTS

DROP TOWERS
1309
UF DROP TUBES
RT FALLING SPHERES
GRAVITATIONAL EFFECTS
LOW GRAVITY MANUFACTURING
MICROGRAVITY
WEIGHTLESSNESS

DROP TRANSFER
0602 1704 2601 3303 3501
GS TRANSFERRING
#DROP TRANSFER
RT ARC MELTING
MELTING
PLASMA JETS
REFINING

DROP TUBES
USE DROP TOWERS

```
DROP WEIGHT TESTS
  USE  DROP TESTS

DROPOUTS
  0702
  RT   CIRCUIT BREAKERS
       ELECTRIC CONTACTS
       ELECTRIC SWITCHES
       SWITCHES

DROPS (LIQUIDS)
  1202
  UF   LIQUID DROPS
  GS   PARTICLES
       #DROPS (LIQUIDS)
       ..RAINDROPS
  RT   AIR POLLUTION
       CONDENSATION NUCLEI
       CONDENSING
     % DROP
       SPRAYERS

DROPSONDES
  0205 2003
  GS   MEASURING INSTRUMENTS
       .METEOROLOGICAL INSTRUMENTS
       .#DROPSONDES
       .SONDES
       .#DROPSONDES
  RT   METEOROLOGICAL BALLOONS
       RADIOSONDES
       RAWINSONDES

DROSOPHILA
  0402
  GS   ANIMALS
       .INVERTEBRATES
       ..ARTHROPODS
       ...INSECTS
       ...#DROSOPHILA
  RT   CHIRONOMUS FLIES

DROUGHT
  1308 2001 2003
  UF   DROUGHT CONDITIONS
  RT   ARID LANDS
       CONSERVATION
       DESERTIFICATION
       FLOODS
       HYDROLOGY
       POTABLE WATER
       PRECIPITATION (METEOROLOGY)
       WATER CONSUMPTION
       WATER MANAGEMENT
       WATER POLLUTION
       WATER RECLAMATION

DROUGHT CONDITIONS
  USE  DROUGHT

DROWSINESS
  USE  SLEEP

DRUG THERAPY
  USE  CHEMOTHERAPY

DRUGS
  0403 0405
  GS  #DRUGS
       .ADRENERGICS
       .AMINOPHYLLINE
       .ANESTHETICS
       ..CHLOROFORM
       ..CYCLOPROPANE
       ..METHYL CHLORIDE
       ..NOVOCAIN
       .ANTIADRENERGICS
       .ANTIBIOTICS
       ..ACTINOMYCIN
       ..PENICILLIN
       ..PLEUROTIN
       ..STREPTOMYCIN
       ..TETRACYCLINES
       .ANTICONVULSANTS
       .ANTIDIURETICS
       .ANTIDOTES
       .ANTIEMETICS AND ANTINAUSEANTS
       .ANTIHISTAMINICS
       ..DIMENHYDRINATE
       ..DIPHENYL HYDANTOIN
       ..PROMETHAZINE
       .ANTIHYPERTENSIVE AGENTS
       .ANTIINFECTIVES AND ANTIBACTERIALS
       .ANTIRADIATION DRUGS
       ..CYSTEAMINE
       .CENTRAL NERVOUS SYSTEM DEPRESSANTS
       .CHOLINERGICS
       ..ANTICHOLINERGICS
       .CORTISONE
       .CYSTEINE
       .DECONGESTANTS
       .DIGITALIS
       .EPINEPHRINE
       ..NOREPINEPHRINE
       .ERGOTAMINE
       .HEMOSTATICS
       .HISTAMINES
       .INSULIN
       .METHAMPHETAMINE
       .METRAZOL
       .MOTION SICKNESS DRUGS
       .MUSCLE RELAXANTS
       .NARCOTICS
       ..MORPHINE
       .NEMBUTAL (TRADEMARK)
       .PENTOBARBITAL SODIUM
       ..RESERPINE
       .PSYCHOTROPIC DRUGS
       ..MARIJUANA
       .SEDATIVES
       .STIMULANTS
       ..ATROPINE
       ..CAFFEINE
       ..CENTRAL NERVOUS SYSTEM STIMULANTS
       ..NORADRENALINE
       ..NOREPINEPHRINE
       .TRANQUILIZERS
       .TRIMETHADIONE
       .VASOCONSTRICTOR DRUGS
       ..HYPERTENSIN
       ..SEROTONIN
  RT   ALKALOIDS
       ANALGESIA
       ANESTHESIOLOGY
       BIOFLAVONOIDS
       BIOTIN
       CHEMICAL DEFENSE
       CHEMOTHERAPY
       CURES
       DOSAGE
       ETHERS
       PENTOBARBITAL
       PHARMACOLOGY
       PHENOBARBITAL
       PSYCHOPHARMACOLOGY
       QUINOLINE
       SALICYLATES
       SUBLETHAL DOSAGE
       VACCINES
       VITAMINS

DRUMLINS
  USE  GLACIAL DRIFT

% DRUMS
  0505 0801 1103 1502 1504 1704 3202
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT % BARRELS
     % CYLINDERS
       DRUMS (CONTAINERS)
       MAGNETIC DRUMS
       MAGNETIC STORAGE
```

```
DRUMS (CONTAINERS)
  0505 1103
  SN   (EXCLUDE MAGNETIC COMPUTER
       MEMORIES)
  RT   BARRELS (CONTAINERS)
     % BUCKETS
       CANS
     % CONTAINERS
     % CYLINDERS
     % DRUMS
       TANKS (CONTAINERS)

DRY CELLS
  0302 0604
  GS   ELECTRIC GENERATORS
       .DIRECT POWER GENERATORS
       ..PRIMARY BATTERIES
       ..#DRY CELLS
       ....MAGNESIUM CELLS
       ....NICKEL ZINC BATTERIES
       ELECTROCHEMICAL CELLS
       .ELECTRIC BATTERIES
       ..PRIMARY BATTERIES
       ..#DRY CELLS
       ....MAGNESIUM CELLS
       ....NICKEL ZINC BATTERIES
  RT   METAL AIR BATTERIES
       NICKEL CADMIUM BATTERIES
       STORAGE BATTERIES
       THERMAL BATTERIES

DRY FRICTION
  1503 1504
  GS   FRICTION
       #DRY FRICTION
  RT   ABRASION
       KINETIC FRICTION
       SLIDING FRICTION
       STATIC FRICTION

DRY HEAT
  0504
  GS   HEAT
       #DRY HEAT
  RT   GEOTHERMAL RESOURCES
       GEOTHERMAL TECHNOLOGY
       HIGH TEMPERATURE ENVIRONMENTS
       HUMIDITY
       OVENS

DRYDOCKS
  0203 0207 1104 3101 3102 3103
  RT % PORTS
       SEA LAUNCHING

DRYERS (EQUIPMENT)
  USE  DRYING APPARATUS

DRYING
  0602 1504 3303
  UF   DESICCATION
       DEWETTING
  GS  #DRYING
       .DEHUMIDIFICATION
       .DEHYDRATION
       .FREEZE DRYING
  RT % ABSORPTION
       BAKING
       CONCENTRATING
       CURING
       DESATURATION
       DEWATERING
       DIFFUSION
       ENTHALPY
       EVAPORATION
       FIRING (IGNITING)
       ROASTING
     % SEPARATION
       SILICA GEL
       WATER LOSS

DRYING APPARATUS
  0602 1504 3303
  UF   DRYERS (EQUIPMENT)
  GS   SEPARATORS
       #DRYING APPARATUS
       ..DESICCATORS
  RT   ABSORBERS (EQUIPMENT)
       COLUMNS (PROCESS ENGINEERING)
       CONDENSERS (LIQUEFIERS)
       DEHYDRATED FOOD
       EVAPORATORS
       FURNACES

DSIF (INSTRUMENTATION FACILITY)
  USE  DEEP SPACE INSTRUMENTATION FACILITY

DSN (SPACE NETWORK)
  USE  DEEP SPACE NETWORK

DSN HELICOPTER
  USE  QH-50 HELICOPTER

DTA (ANALYSIS)
  USE  THERMAL ANALYSIS

DTL INTEGRATED CIRCUITS
  0902 1001 1002
  UF   DIODE-TRANSISTOR-LOGIC INTEG
       CIRCUITS
  GS   CIRCUITS
       .INTEGRATED CIRCUITS
       .#DTL INTEGRATED CIRCUITS
  RT   ELECTRONIC PACKAGING
       LARGE SCALE INTEGRATION
       MICROMINIATURIZATION
       MOLECULAR ELECTRONICS
       TRANSISTOR CIRCUITS

DTMB-111 GROUND EFFECT MACHINE
  USE  GROUND EFFECT MACHINES

DTMB-430 GROUND EFFECT MACHINE
  USE  GROUND EFFECT MACHINES

DUAL AIR DENSITY EXPLORER
  3107 3409
  UF   DAD EXPLORER
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..EXPLORER SATELLITES
       ..#DUAL AIR DENSITY EXPLORER

DUAL FREQUENCY RADAR
  USE  MULTISPECTRAL RADAR

DUAL MODE PROPULSION
  USE  HYBRID PROPULSION

DUAL SPIN SPACECRAFT
  3110
  RT   OSO-7
     % SPACECRAFT
       SPACECRAFT STABILITY
       SPIN STABILIZATION

DUAL THRUST NOZZLES
  2702 2808
  GS   ROCKET NOZZLES
       #DUAL THRUST NOZZLES
  RT % NOZZLES
       THRUST

DUAL WING CONFIGURATIONS
  0104
  RT   BIPLANES
       JOINED WINGS
       TANDEM WING AIRCRAFT
       WINGS

DUALITY PRINCIPLE
  2301
  RT % ANALYZING
       CIRCUITS
```

EQUIVALENT CIRCUITS
NETWORK ANALYSIS
% PATHS
% PRINCIPLES
SIGNAL FLOW GRAPHS

DUALITY THEOREM
1901
GS THEOREMS
#DUALITY THEOREM
RT HOMOLOGY
ISOMORPHISM
% MATHEMATICS
% RELATIONSHIPS

DUCT GEOMETRY
1504
GS GEOMETRY
#DUCT GEOMETRY
RT AIR FLOW
ANNULAR DUCTS
CIRCULAR TUBES
DUMP COMBUSTORS
FLUID FLOW
INTAKE SYSTEMS
OPENINGS
SPATIAL MARCHING

DUCTED BODIES
0102 0103 1202
RT ANNULAR DUCTS
AXISYMMETRIC BODIES
BLUFF BODIES
BLUNT BODIES
% BODIES
DUCTS
INTAKE SYSTEMS
NACELLES
NOSE INLETS
SHROUDS
SLENDER BODIES
TWO DIMENSIONAL BODIES

DUCTED FAN ENGINES
2805
GS ENGINES
.AIR BREATHING ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....TURBOJET ENGINES
....#DUCTED FAN ENGINES
.INTERNAL COMBUSTION ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....TURBOJET ENGINES
....#DUCTED FAN ENGINES
.TURBINE ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....TURBOJET ENGINES
....#DUCTED FAN ENGINES
RT TURBOFAN ENGINES

DUCTED FANS
1504 2805
RT BLOWERS
FAN BLADES
% FANS
LIFT FANS
PROPELLER FANS
RING WINGS
SHROUDED PROPELLERS
TURBOFANS
VENTILATION FANS

DUCTED FLOW
0101 1202 1203
GS FLUID FLOW
#DUCTED FLOW
..KNUDSEN FLOW
RT AIR FLOW
CAVITY FLOW
CHANNEL FLOW
CHOKED FLOW
CORNER FLOW
DUMP COMBUSTORS
FLOW GEOMETRY
FUEL FLOW
HEAT TRANSMISSION
WALL FLOW

DUCTED PROPELLERS
USE SHROUDED PROPELLERS

DUCTED ROCKET ENGINES
2808
GS ENGINES
.ROCKET ENGINES
.#DUCTED ROCKET ENGINES
RT BOOSTER ROCKET ENGINES
% HYBRID ROCKET ENGINES
INTERNAL COMBUSTION ENGINES
LIQUID PROPELLANT ROCKET ENGINES
RESTARTABLE ROCKET ENGINES
SOLID PROPELLANT ROCKET ENGINES
SUSTAINER ROCKET ENGINES

DUCTILE-BRITTLE TRANSITION
1704 1805
RT BRITTLENESS
DUCTILITY
FRACTURE STRENGTH
PLASTIC DEFORMATION
TRANSITION TEMPERATURE
YIELD STRENGTH

DUCTILITY
1704 3408
GS MECHANICAL PROPERTIES
#DUCTILITY
RT BRITTLENESS
COMPRESSIVE STRENGTH
CREEP PROPERTIES
DUCTILE-BRITTLE TRANSITION
ELONGATION
FATIGUE (MATERIALS)
FLATTENING
FRACTOGRAPHY
FRACTURE STRENGTH
HARDNESS
IMPACT STRENGTH
MALLEABILITY
METAL DRAWING
NOTCH STRENGTH
PLASTIC PROPERTIES
SHEAR PROPERTIES
SOFTNESS
STRESS RELAXATION
STRETCHING
TEMPER (METALLURGY)
TENSILE STRENGTH
TOUGHNESS
TRESCA FLOW
WELDABILITY

DUCTS
1504 3202
GS #DUCTS
.ACOUSTIC DUCTS
.AIR DUCTS
.ANNULAR DUCTS
RT BAFFLES
CAVITIES
% CHANNELS
DUCTED BODIES
EXHAUST SYSTEMS
FLUES
INTAKE SYSTEMS
NOSE INLETS
OPENINGS
ORIFICES
OUTLETS
PIPES (TUBES)
PLENUM CHAMBERS
PORTS (OPENINGS)

```
      SCOOPS
      THROATS
    % TUBES
      VENTILATION
      VENTS
      WINDOWS (APERTURES)

DUFFING DIFFERENTIAL EQUATION
  1902 1905 3501
  GS  ALGEBRA
      .NONLINEAR EQUATIONS
      .#DUFFING DIFFERENTIAL EQUATION
      ANALYSIS (MATHEMATICS)
      .REAL VARIABLES
      ..DIFFERENTIAL EQUATIONS
      ..#DUFFING DIFFERENTIAL EQUATION
      ..NONLINEAR EQUATIONS
      ..#DUFFING DIFFERENTIAL EQUATION
  RT % EQUATIONS
      PROBABILITY THEORY

DULLNESS
  USE  LUSTER

DUMMIES
  0802 2806
  RT  DECOYS
      MODELS
      SIMULATORS

DUMMY LOADS
  USE  IMPEDANCE
       LOADING
       OUTPUT

DUMP COMBUSTORS
  2801 2805
  GS  COMBUSTION CHAMBERS
      #DUMP COMBUSTORS
  RT  COMBUSTIBLE FLOW
      COMBUSTION EFFICIENCY
      DUCT GEOMETRY
      DUCTED FLOW
      ENGINE PARTS
      FLAME HOLDERS
      FLOW VELOCITY
      INLET FLOW
      RAMJET ENGINES
      ROCKET ENGINES

DUMPING
  0802
  RT  DISCONNECT DEVICES
      DISPOSAL
      EJECTION
      EMPTYING
      EXPULSION
      JETTISONING
      MATERIALS HANDLING
      OIL SLICKS
      RELEASING
      SPILLING
      SPREADING
      UNLOADING

DUNALIELLA
  0404 0407 0409
  GS  PLANTS (BOTANY)
      .ALGAE
      .#DUNALIELLA

DUNES
  1305 1306
  UF  BARCHANS
      COASTAL DUNES
      SAND DUNES
  GS  LANDFORMS
      #DUNES
  RT  BEACHES
      COASTS
      DESERTS
      LAGOONS
      SAHARA DESERT (AFRICA)
      SANDS
      TOPOGRAPHY
      WIND EFFECTS

DUNGEYS WIND SHEAR MECHANISM
  USE  WIND SHEAR

DUNITE
  1306 1806
  GS  ROCKS
      .IGNEOUS ROCKS
      .#DUNITE
  RT  MINERALS
      OLIVINE
      PERIDOTITE
      SOILS

DUOCHROMATORS
  1106 2306 2310
  RT  ELECTROMAGNETIC RADIATION
    % GENERATORS
      LIGHT SOURCES
      MEASURING INSTRUMENTS
      MONOCHROMATORS
      RADIATION SOURCES
      SPECTROPHOTOMETERS

DUOPLASMATRONS
  0601 1203 2501
  GS  ION SOURCES
      .PLASMATRONS
      .#DUOPLASMATRONS
      PLASMA GENERATORS
      .PLASMATRONS
      .#DUOPLASMATRONS
  RT  ELECTRIC DISCHARGES
      ION PROPULSION
      PLASMA PROPULSION
      PLASMAS (PHYSICS)
      SPUTTERING

DUPLEX OPERATION
  0702
  RT % METALLURGY
      PHASE SHIFT CIRCUITS
      SWITCHING CIRCUITS

DUPLEXERS
  0702 0705 0901 0902 0905
  RT  CIRCUITS
      CIRCULATORS (PHASE SHIFT CIRCUITS)
      MAGIC TEES
      MONOPULSE RADAR
      RECEIVERS
      SWITCHING CIRCUITS
      TRANSMITTERS

DUPLICATING
  USE  REPRODUCTION (COPYING)

DURABILITY
  1505 3408
  RT  AIRCRAFT SURVIVABILITY
      CORROSION
      CUMULATIVE DAMAGE
      DAMAGE
      DEGRADATION
      DETERIORATION
    % ENDURANCE
      LIFE (DURABILITY)
      LONG TERM EFFECTS
      MECHANICAL PROPERTIES
    % PHYSICAL PROPERTIES
      QUALITY
      RELIABILITY
    % RESISTANCE
      RUGGEDNESS
      STABILITY
      VULNERABILITY
      WEAR

DURATION
```

```
  USE  TIME

DURENE
  1808
  GS   ORGANIC COMPOUNDS
       .CYCLIC COMPOUNDS
       ..CYCLIC HYDROCARBONS
       ..#DURENE
       .HYDROCARBONS
       ..CYCLIC HYDROCARBONS
       ..#DURENE

DUST
  1106 1505 1506 2003 3005 3009
  GS   PARTICLES
       #DUST
       ..COSMIC DUST
       ...INTERPLANETARY DUST
       ....METEOROID DUST CLOUDS
       .....ZODIACAL DUST
       ..LUNAR DUST
       ..TERRESTRIAL DUST BELT
  RT   AEROSOLS
       AIR POLLUTION
       AITKEN NUCLEI
       CLEANING
     % CLOUDS
       COMBUSTION PRODUCTS
       CONTAMINANTS
       DIRT
     % DISPERSION
       DISPERSIONS
       FUMES
       PARTICULATES
       POLLEN
       POWDER (PARTICLES)
       R CORONAE BOREALIS STARS
       SANDS
       SMOKE
       SPACE DEBRIS

DUST COLLECTORS
  1406 2901 2902 2903
  GS   ACCUMULATORS
       #DUST COLLECTORS
       SEPARATORS
       #DUST COLLECTORS
  RT   AIR FILTERS
       ELECTROSTATIC PRECIPITATORS
       EXHAUST SYSTEMS
       PRECIPITATORS

DUST STORMS
  2003 3008
  GS   STORMS
       .STORMS (METEOROLOGY)
       .#DUST STORMS
  RT   ATMOSPHERIC ELECTRICITY
       ATMOSPHERIC PHYSICS
       MARS (PLANET)
       MARS ENVIRONMENT
       MARS SURFACE
       WIND EFFECTS

DWARF GALAXIES
  2903
  GS   CELESTIAL BODIES
       .GALAXIES
       .#DWARF GALAXIES
  RT   LOCAL GROUP (ASTRONOMY)

DWARF NOVAE
  3001
  GS   CELESTIAL BODIES
       .STARS
       ..DOUBLE STARS
       ...BINARY STARS
       ....ECLIPSING BINARY STARS
       ....#DWARF NOVAE
       ..MAIN SEQUENCE STARS
       ...DWARF STARS
       ...#DWARF NOVAE
       ..VARIABLE STARS
       ...NOVAE
       ...#DWARF NOVAE
  RT   HERCULES NOVA
       STELLAR MASS ACCRETION
       STELLAR MASS EJECTION
       WHITE DWARF STARS

DWARF STARS
  3001 3002
  GS   CELESTIAL BODIES
       .STARS
       ..MAIN SEQUENCE STARS
       ..#DWARF STARS
       ....DWARF NOVAE
       ....FLARE STARS
       ....RED DWARF STARS
  RT   BROWN DWARF STARS
       CATACLYSMIC VARIABLES
       F STARS
       G STARS
       K STARS
       LATE STARS
       NEMESIS (STAR)
       SUBDWARF STARS
       SUBGIANT STARS
       WHITE DWARF STARS

DWELL
  1504 2801 3404 3408
  RT   DELAY
       IGNITION SYSTEMS
       TIMING DEVICES

DYADICS
  1902 2308 2601 3203
  GS   ALGEBRA
       .POLYNOMIALS
       .#DYADICS
  RT   VECTORS (MATHEMATICS)

DYE LASERS
  0403 0603 1601
  GS   STIMULATED EMISSION DEVICES
       .LASERS
       ..ORGANIC LASERS
       ..#DYE LASERS
  RT   DYES
       INFRARED LASERS
       LASER OUTPUTS
       LIQUID LASERS
       OPTICAL COMMUNICATION
       RHODAMINE
       TUNING
       TWO-WAVELENGTH LASERS

DYES
  0403 0603 1808
  GS  #DYES
       .METHYLENE BLUE
       .RHODAMINE
       .THIAZINE (TRADEMARK)
  RT   ACRIFLAVINE
       ANILINE
       ANTHRAQUINONES
       AZINES
       AZO COMPOUNDS
       DYE LASERS
     % MARKERS
       METHYLENE
       PHENANTHRENE
       STILBENE

DYNA-SOAR SPACE GLIDER
  USE  X-20 AIRCRAFT

DYNAMIC CHARACTERISTICS
  3408
  UF   DYNAMIC PROPERTIES
  GS  #DYNAMIC CHARACTERISTICS
       .DRAG
       ..ELECTROSTATIC DRAG
       ..FRICTION DRAG
```

...AERODYNAMIC DRAG
....SUPERSONIC DRAG
...VISCOUS DRAG
..INDUCED DRAG
..MINIMUM DRAG
..PRESSURE DRAG
...SUPERSONIC DRAG
...WAVE DRAG
....INTERFERENCE DRAG
..SATELLITE DRAG
.DYNAMIC PRESSURE
.DYNAMIC STABILITY
..COMBUSTION STABILITY
...FLAME STABILITY
..CONTROL STABILITY
..FREQUENCY STABILITY
..MOTION STABILITY
...AERODYNAMIC STABILITY
...AIRCRAFT STABILITY
....HOVERING STABILITY
...ATTITUDE STABILITY
....DIRECTIONAL STABILITY
.....GYROSCOPIC STABILITY
....LATERAL STABILITY
....LONGITUDINAL STABILITY
...FLOW STABILITY
....BOUNDARY LAYER STABILITY
....FLAME STABILITY
....MAGNETOHYDRODYNAMIC STABILITY
.....WEIBEL INSTABILITY
...LOW SPEED STABILITY
...ROTARY STABILITY
....GYROSCOPIC STABILITY
...SPACECRAFT STABILITY
.FLOW CHARACTERISTICS
..FLOW DISTRIBUTION
..FLOW STABILITY
...BOUNDARY LAYER STABILITY
...FLAME STABILITY
...MAGNETOHYDRODYNAMIC STABILITY
....WEIBEL INSTABILITY
..FLOW VELOCITY
.LIFT
..INTERFERENCE LIFT
..JET LIFT
..ROTOR LIFT
..ZERO LIFT
.TRANSIENT RESPONSE
RT ACCURACY
AERODYNAMIC BALANCE
AERODYNAMIC CHARACTERISTICS
AMPLIFICATION
AUTOMATIC CONTROL
AUTOMATIC CONTROL VALVES
BANDWIDTH
% CHARACTERISTICS
% CONTROL
DAMPING
DISTRIBUTION (PROPERTY)
DYNAMIC RANGE
% DYNAMICS
% EQUILIBRIUM
ERRORS
% FREQUENCY RESPONSE
HYSTERESIS
IMPEDANCE
LINEARITY
OCEAN DYNAMICS
PRECISION
% PROPERTIES
RANGE (EXTREMES)
REACTION TIME
RELIABILITY
REMOTE CONTROL
RESOLUTION
RESONANT FREQUENCIES
ROTOR DYNAMICS
SENSITIVITY
STABILITY
TIME CONSTANT
TRANSFER FUNCTIONS

DYNAMIC CONTROL
0503 0802 1003
GS AUTOMATIC CONTROL
#DYNAMIC CONTROL
RT ADAPTIVE CONTROL
AEROSERVOELASTICITY
% CONTROL
CONTROL THEORY
% DYNAMICS
FEEDBACK CONTROL
INVERSE KINEMATICS
MODEL REFERENCE ADAPTIVE CONTROL
ROBOT CONTROL
ROBOT DYNAMICS

DYNAMIC LOADS
3203
GS LOADS (FORCES)
#DYNAMIC LOADS
..AERODYNAMIC LOADS
...BLAST LOADS
...GUST LOADS
..CONTACT LOADS
...ROLLING CONTACT LOADS
..CYCLIC LOADS
..THRUST LOADS
..TRANSIENT LOADS
...GUST LOADS
...IMPACT LOADS
...LANDING LOADS
...SHOCK LOADS
....BLAST LOADS
..VARIABLE AMPLITUDE LOADING
..VIBRATORY LOADS
..WING LOADING
RT AXIAL COMPRESSION LOADS
AXIAL LOADS
COMPRESSION LOADS
CRITICAL LOADING
% DYNAMICS
EDGE LOADING
GAS-SOLID INTERACTIONS
NASTRAN
RANDOM LOADS
STATIC LOADS
STRUCTURAL DESIGN CRITERIA
TRANSVERSE LOADS
WIND PRESSURE

DYNAMIC MODELS
1108 3501
GS MODELS
#DYNAMIC MODELS
RT AIRCRAFT MODELS
BIOLOGICAL MODELS (MATHEMATICS)
BOND GRAPHS
% DYNAMICS
MATHEMATICAL MODELS
OCEAN MODELS
PETRI NETS
POWERED MODELS
SIMILARITY THEOREM
SPACECRAFT MODELS
STATIC MODELS
SYSTEMS SIMULATION
WIND TUNNEL MODELS

DYNAMIC MODULUS OF ELASTICITY
1809 3203
GS MECHANICAL PROPERTIES
.ELASTIC PROPERTIES
..MODULUS OF ELASTICITY
..#DYNAMIC MODULUS OF ELASTICITY
RT % DYNAMICS
ULTRASONIC TESTS

DYNAMIC PRESSURE
1202
GS DYNAMIC CHARACTERISTICS
#DYNAMIC PRESSURE
PRESSURE
#DYNAMIC PRESSURE
RT BLAST LOADS

```
        CONTACT LOADS
      % DYNAMICS
        IMPACT LOADS
        KINETIC THEORY
        OVERPRESSURE
        RIEMANN WAVES

DYNAMIC PROGRAMMING
  0802 1902
  GS    OPTIMIZATION
        .MATHEMATICAL PROGRAMMING
        .#DYNAMIC PROGRAMMING
        RESEARCH
        #DYNAMIC PROGRAMMING
  RT  % APPLICATIONS OF MATHEMATICS
        BELLMAN THEORY
        CONSTRAINTS
        CRITICAL PATH METHOD
        DECISION THEORY
      % DYNAMICS
        FORMALISM
        LINEAR PROGRAMMING
        MATHEMATICAL MODELS
        NONLINEAR SYSTEMS
        OPERATIONS RESEARCH
      % PROGRAMMING
        STEEPEST DESCENT METHOD

DYNAMIC PROPERTIES
  USE   DYNAMIC CHARACTERISTICS

DYNAMIC RANGE
  0701 0704 0903
  SN    (LIMITED TO SIGNAL
        DETECTION/MODULATION)
  GS    RANGE (EXTREMES)
        #DYNAMIC RANGE
  RT    AMPLIFICATION
        AMPLIFIERS
        DYNAMIC CHARACTERISTICS
        EQUIPMENT SPECIFICATIONS
        FREQUENCY RANGES
      % FREQUENCY RESPONSE
        MICROCHANNEL PLATES
        MODULATION
        RATIOS
        SIGNAL DETECTION
        SIGNAL TO NOISE RATIOS

DYNAMIC RESPONSE
  0101 1001 1002 1202 1308 1504 2311
  3203
  GS    RESPONSES
        #DYNAMIC RESPONSE
        ..TRANSIENT RESPONSE
  RT    AEROSERVOELASTICITY
        AMPLIFICATION
        DAMPING
      % DYNAMICS
        FIBER ORIENTATION
      % FREQUENCY RESPONSE
        IMPEDANCE
        MODAL RESPONSE
        PARAMETER IDENTIFICATION
        RAMP FUNCTIONS
        REACTION TIME
        RESPONSE BIAS
        ROTOR DYNAMICS
        SENSITIVITY
        STEP FUNCTIONS
        STROKING TESTS
        SYSTEM IDENTIFICATION
        TIME CONSTANT
        TRANSFER FUNCTIONS

DYNAMIC STABILITY
  0101
  GS    DYNAMIC CHARACTERISTICS
        #DYNAMIC STABILITY
        ..COMBUSTION STABILITY
        ...FLAME STABILITY
        ..CONTROL STABILITY
        ..FREQUENCY STABILITY
        ..MOTION STABILITY
        ...AERODYNAMIC STABILITY
        ...AIRCRAFT STABILITY
        ....HOVERING STABILITY
        ...ATTITUDE STABILITY
        ....DIRECTIONAL STABILITY
        .....GYROSCOPIC STABILITY
        ....LATERAL STABILITY
        ....LONGITUDINAL STABILITY
        ...FLOW STABILITY
        ....BOUNDARY LAYER STABILITY
        ....FLAME STABILITY
        ....MAGNETOHYDRODYNAMIC STABILITY
        .....WEIBEL INSTABILITY
        ...LOW SPEED STABILITY
        ...ROTARY STABILITY
        ....GYROSCOPIC STABILITY
        ...SPACECRAFT STABILITY
        STABILITY
        #DYNAMIC STABILITY
        ..COMBUSTION STABILITY
        ...FLAME STABILITY
        ..CONTROL STABILITY
        ..FREQUENCY STABILITY
        ..MOTION STABILITY
        ...AERODYNAMIC STABILITY
        ...AIRCRAFT STABILITY
        ....HOVERING STABILITY
        ...ATTITUDE STABILITY
        ....DIRECTIONAL STABILITY
        .....GYROSCOPIC STABILITY
        ....LATERAL STABILITY
        ....LONGITUDINAL STABILITY
        ...FLOW STABILITY
        ....BOUNDARY LAYER STABILITY
        ....FLAME STABILITY
        ....MAGNETOHYDRODYNAMIC STABILITY
        .....WEIBEL INSTABILITY
        ...LOW SPEED STABILITY
        ...ROTARY STABILITY
        ....GYROSCOPIC STABILITY
        ...SPACECRAFT STABILITY
  RT    COUNTERBALANCES
        DAMPING
        DIMENSIONAL STABILITY
        DRIFT (INSTRUMENTATION)
      % DYNAMICS
        HORIZONTAL ORIENTATION
        MISSING MASS (ASTROPHYSICS)
        RESONANT VIBRATION
        ROTOR DYNAMICS
        SPACECRAFT MOTION
        STABLE OSCILLATIONS
        STATIC STABILITY
        SURFACE STABILITY
        SYSTEMS STABILITY
        TRANSIENT RESPONSE
        VERTICAL ORIENTATION

DYNAMIC STRUCTURAL ANALYSIS
  3203
  UF    STRUCTURAL DYNAMICS
  GS    STRUCTURAL ANALYSIS
        #DYNAMIC STRUCTURAL ANALYSIS
  RT    AEROSERVOELASTICITY
      % DYNAMICS
        FLAT PLATES
        SHOCK SPECTRA

DYNAMIC TESTS
  2808 3106
  RT    AERODYNAMIC STABILITY
      % DYNAMICS
        FLIGHT TESTS
        LOW SPEED STABILITY
        MOTION STABILITY
        SPIN DYNAMICS
        SPIN TESTS
        STATIC TESTS
      % TESTS
        VIBRATION TESTS
```

```
DYNAMICAL SYSTEMS
  2308
  RT    CONTROL THEORY
        MATHEMATICAL MODELS
        NONLINEAR SYSTEMS
        SYSTEMS SIMULATION

% DYNAMICS
  2308
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    AERODYNAMICS
        AEROSTATICS
        AEROTHERMODYNAMICS
        ASTRODYNAMICS
        BIODYNAMICS
        CHIRAL DYNAMICS
        COMPUTATIONAL FLUID DYNAMICS
        CONTINUUM MECHANICS
        DYNAMIC CHARACTERISTICS
        DYNAMIC CONTROL
        DYNAMIC LOADS
        DYNAMIC MODELS
        DYNAMIC MODULUS OF ELASTICITY
        DYNAMIC PRESSURE
        DYNAMIC PROGRAMMING
        DYNAMIC RESPONSE
        DYNAMIC STABILITY
        DYNAMIC STRUCTURAL ANALYSIS
        DYNAMIC TESTS
        ELASTODYNAMICS
        ELECTRODYNAMICS
        EQUATIONS OF MOTION
        FIELD THEORY (PHYSICS)
        FLUID DYNAMICS
        FLUID MECHANICS
        GAS DYNAMICS
        GEODYNAMICS
        GROUP DYNAMICS
        HAMILTONIAN FUNCTIONS
        HEMODYNAMICS
        HYDRODYNAMICS
        KINEMATICS
        KINETICS
        MAGNETOHYDRODYNAMICS
      % MECHANICS (PHYSICS)
        MOLECULAR DYNAMICS
        MOMENTUM
        MOMENTUM TRANSFER
        NUTATION
        OCEAN DYNAMICS
        PLASMA DYNAMICS
        QUANTUM CHROMODYNAMICS
        RAREFIED GAS DYNAMICS
        RESONANT FREQUENCIES
        RESONANT VIBRATION
        ROBOT DYNAMICS
        ROTOR DYNAMICS
        SPIN DYNAMICS
        STABILIZERS (FLUID DYNAMICS)
        STATICS
        TERRADYNAMICS
        THERMODYNAMICS
        VARIATIONAL PRINCIPLES
        VELOCITY
        VIBRATION

DYNAMICS EXPLORER SATELLITES
  1901
  GS    ARTIFICIAL SATELLITES
        .SCIENTIFIC SATELLITES
        ..EXPLORER SATELLITES
        ..#DYNAMICS EXPLORER SATELLITES
        ....DYNAMICS EXPLORER 1 SATELLITE
        ....DYNAMICS EXPLORER 2 SATELLITE

DYNAMICS EXPLORER 1 SATELLITE
  1901
  GS    ARTIFICIAL SATELLITES
        .SCIENTIFIC SATELLITES
        ..EXPLORER SATELLITES
        ...DYNAMICS EXPLORER SATELLITES
        ...#DYNAMICS EXPLORER 1 SATELLITE

DYNAMICS EXPLORER 2 SATELLITE
  1901
  GS    ARTIFICIAL SATELLITES
        .SCIENTIFIC SATELLITES
        ..EXPLORER SATELLITES
        ...DYNAMICS EXPLORER SATELLITES
        ...#DYNAMICS EXPLORER 2 SATELLITE

DYNAMITE
  3302
  GS    EXPLOSIVES
        #DYNAMITE
  RT    NITROGLYCERIN

DYNAMO THEORY
  1307 1308 3009
  RT    EARTH CORE
        GEOMAGNETISM
        SOLAR CONVECTION (ASTRONOMY)
        STELLAR CONVECTION
        TELLURIC CURRENTS
      % THEORIES

DYNAMOMETERS
  0301 0904 1406 1504 3303 3501
  UF    ELECTRODYNAMOMETERS
  GS    ELECTRIC GENERATORS
        .ROTATING GENERATORS
        .#DYNAMOMETERS
        MEASURING INSTRUMENTS
        #DYNAMOMETERS
  RT    ERGOMETERS
        MECHANICAL MEASUREMENT
      % TEST EQUIPMENT
        THRUST MEASUREMENT
        TORQUEMETERS

DYNAMOS
  USE   ROTATING GENERATORS

DYNODES
  0903 1002
  GS    ELECTRODES
        #DYNODES
  RT    CAMERA TUBES
        PHOTOMULTIPLIER TUBES
        SECONDARY EMISSION

DYSON THEORY
  0603 1808 2305 2308
  RT    HEISENBERG THEORY
        QUANTUM MECHANICS
      % THEORIES

DYSPNEA
  0401 0405 0408
  GS    RATES (PER TIME)
        .RESPIRATORY RATE
        .#DYSPNEA
        SIGNS AND SYMPTOMS
        #DYSPNEA

DYSPROSIUM
  0603 1703
  GS    CHEMICAL ELEMENTS
        .RARE EARTH ELEMENTS
        .#DYSPROSIUM
        ...DYSPROSIUM ISOTOPES
        METALS
        .RARE EARTH ELEMENTS
        .#DYSPROSIUM
        ...DYSPROSIUM ISOTOPES

DYSPROSIUM COMPOUNDS
  0603 1703
  GS    RARE EARTH COMPOUNDS
        #DYSPROSIUM COMPOUNDS
  RT  % CHEMICAL COMPOUNDS
      % METAL COMPOUNDS
```

```
DYSPROSIUM ISOTOPES
  2406
  UF   DYSPROSIUM 161
  GS   CHEMICAL ELEMENTS
       .NUCLIDES
       ..ISOTOPES
       ..#DYSPROSIUM ISOTOPES
       .RARE EARTH ELEMENTS
       ..DYSPROSIUM
       ..#DYSPROSIUM ISOTOPES
       METALS
       .RARE EARTH ELEMENTS
       ..DYSPROSIUM
       ..#DYSPROSIUM ISOTOPES

DYSPROSIUM 161
  USE  DYSPROSIUM ISOTOPES

E GLASS
  1804
  GS   GLASS
       #E GLASS
       ..S GLASS
  RT   COMPOSITE MATERIALS
       GLASS FIBER REINFORCED PLASTICS
       GLASS FIBERS
       SILICON DIOXIDE

E LAYERS
  USE  E REGION

E REGION
  1302 3009
  SN   (ALTITUDE RANGE BETWEEN
       APPROXIMATELY 90 AND 100 KM)
  UF   E LAYERS
       NIGHT E LAYER
  GS   EARTH ATMOSPHERE
       .UPPER ATMOSPHERE
       ..EARTH IONOSPHERE
       ..#E REGION
       ....E-1 LAYER
       ....E-2 LAYER
       ....SPORADIC E LAYER
       REGIONS
       #E REGION
       ..E-1 LAYER
       ..E-2 LAYER
       ..SPORADIC E LAYER
  RT   LOWER IONOSPHERE
       UPPER IONOSPHERE

E-1 LAYER
  1302 3009
  GS   EARTH ATMOSPHERE
       .UPPER ATMOSPHERE
       ..EARTH IONOSPHERE
       ...E REGION
       ...#E-1 LAYER
       REGIONS
       .E REGION
       .#E-1 LAYER
  RT   SPORADIC E LAYER

E-2 AIRCRAFT
  0207 0709
  UF   HAWKEYE AIRCRAFT
       W2F AIRCRAFT
  GS   AWACS AIRCRAFT
       #E-2 AIRCRAFT
       GRUMMAN AIRCRAFT
       #E-2 AIRCRAFT
       JET AIRCRAFT
       .TURBOPROP AIRCRAFT
       .#E-2 AIRCRAFT
       OBSERVATION AIRCRAFT
       #E-2 AIRCRAFT
  RT % AIRCRAFT
       COMMAND AND CONTROL
       EARLY WARNING SYSTEMS
     % MILITARY AIRCRAFT
       PASSENGER AIRCRAFT
       TURBOPROP ENGINES

E-2 LAYER
  1302 3009
  GS   EARTH ATMOSPHERE
       .UPPER ATMOSPHERE
       ..EARTH IONOSPHERE
       ...E REGION
       ...#E-2 LAYER
       REGIONS
       .E REGION
       .#E-2 LAYER
  RT   SPORADIC E LAYER

E-3A AIRCRAFT
  0207 0709
  GS   AWACS AIRCRAFT
       #E-3A AIRCRAFT
       BOEING AIRCRAFT
       #E-3A AIRCRAFT
  RT % AIRCRAFT
       COMMAND AND CONTROL
       EARLY WARNING SYSTEMS
     % MILITARY AIRCRAFT

E-4A AIRCRAFT
  0207 0709
  UF   AABNCP
       ADVANCED AIRBORNE COMMAND POST
       BOEING 747B AIRCRAFT
  GS   AWACS AIRCRAFT
       #E-4A AIRCRAFT
       BOEING AIRCRAFT
       #E-4A AIRCRAFT
  RT % AIRCRAFT
       COMMAND AND CONTROL
       EARLY WARNING SYSTEMS
     % MILITARY AIRCRAFT

EAI 680 COMPUTER
  0801
  GS   DATA PROCESSING EQUIPMENT
       .COMPUTERS
       ..ANALOG COMPUTERS
       ..#EAI 680 COMPUTER
       ..DIGITAL COMPUTERS
       ..#EAI 680 COMPUTER

EAI 8400 COMPUTER
  0801
  GS   DATA PROCESSING EQUIPMENT
       .COMPUTERS
       ..DIGITAL COMPUTERS
       ..#EAI 8400 COMPUTER

EAI 8900 COMPUTER
  0801
  GS   DATA PROCESSING EQUIPMENT
       .COMPUTERS
       ..DIGITAL COMPUTERS
       ..#EAI 8900 COMPUTER

EAR
  0404
  GS   ANATOMY
       .SENSE ORGANS
       .#EAR
       ...EARDRUMS
       ...EUSTACHIAN TUBES
       ...LABYRINTH
       ....COCHLEA
       .....CORTI ORGAN
       ....OTOLITH ORGANS
       ....SEMICIRCULAR CANALS
       ....VESTIBULES
       ...MIDDLE EAR
  RT   ARTIFICIAL EARS
       AUDITORY PERCEPTION
       ENDOLYMPH
       HEARING
       LABYRINTHECTOMY
       MASTOIDS
       OTOLARYNGOLOGY
```

```
      OTOLOGY

EAR PRESSURE TEST
  0401 0405
  GS   PHYSIOLOGICAL TESTS
       #EAR PRESSURE TEST
  RT   MIDDLE EAR PRESSURE
       PRESSURE
       VERTIGO
       VESTIBULAR TESTS

EAR PROTECTORS
  0508
  GS   PROTECTORS
       #EAR PROTECTORS
  RT   NOISE INJURIES
       NOISE REDUCTION

EARDRUMS
  0404
  GS   ANATOMY
       .SENSE ORGANS
       ..EAR
       ..#EARDRUMS
  RT   EUSTACHIAN TUBES
       MIDDLE EAR PRESSURE
       SEMICIRCULAR CANALS

EARLY APOLLO SURFACE EXPERIMENTS PACKAGE
  USE  EASEP

EARLY BIRD SATELLITES
  0706 3107 3409
  GS   ARTIFICIAL SATELLITES
       .ACTIVE SATELLITES
       ..SYNCOM SATELLITES
       ..#EARLY BIRD SATELLITES
       .COMMUNICATION SATELLITES
       ..SYNCOM SATELLITES
       ..#EARLY BIRD SATELLITES
       .SYNCHRONOUS SATELLITES
       ..SYNCOM SATELLITES
       ..#EARLY BIRD SATELLITES
  RT   ATS
       COMSAT PROGRAM

EARLY STARS
  3001 3002
  GS   CELESTIAL BODIES
       .STARS
       .#EARLY STARS
       ...HOT STARS
       ....A STARS
       ....B STARS
       .....SIGMA ORIONIS
       ....BLUE STARS
       ....O STARS
       ....WHITE DWARF STARS
       ....WOLF-RAYET STARS
  RT   LATE STARS
       MAIN SEQUENCE STARS
       STAR FORMATION

EARLY WARNING SYSTEMS
  0702 3401
  GS   WARNING SYSTEMS
       #EARLY WARNING SYSTEMS
       ..BALLISTIC MISSILE EARLY WARNING
         SYSTEM
  RT   AIR DEFENSE
       AWACS AIRCRAFT
       COBRA DANE (RADAR)
       DETECTION
       E-2 AIRCRAFT
       E-3A AIRCRAFT
       E-4A AIRCRAFT
       MISSILE DETECTION
       OVER-THE-HORIZON RADAR
       RADAR TARGETS
       RADAR TRACKING
       SYNCHRONOUS EARTH OBSERVATORY
       SATELLITE
     % SYSTEMS
       WARNING

EARPHONES
  0303 0701 1413 2301
  UF   HEADSETS
  GS   AUDIO EQUIPMENT
       #EARPHONES
  RT   ACOUSTICS
       AUDITORY PERCEPTION
       INTERPHONES
       SOUND TRANSMISSION
       TELEPHONES

EARTH (PLANET)
  1308 3008 3009
  UF   WORLD
  GS   CELESTIAL BODIES
       .PLANETS
       ..TERRESTRIAL PLANETS
       ..#EARTH (PLANET)
  RT   EARTH SCIENCES
       EASTERN HEMISPHERE
       GEODESY
       GEOELECTRICITY
       GEOGRAPHY
       GEOLOGY
       GEOMAGNETISM
       GEOPHYSICS
     % GLOBES
       PLANETARY CRATERS
       POLAR CAPS
       TERRESTRIAL RADIATION
       WESTERN HEMISPHERE

EARTH & OCEAN PHYSICS APPLICATIONS PROGRAM
  2001 2003
  UF   EOPAP
  GS   PROGRAMS
       .NASA PROGRAMS
       ..NASA SPACE PROGRAMS
       ..#EARTH & OCEAN PHYSICS
          APPLICATIONS PROGRAM
       .PROJECTS
       .#EARTH & OCEAN PHYSICS
         APPLICATIONS PROGRAM
       .SPACE PROGRAMS
       ..NASA SPACE PROGRAMS
       ..#EARTH & OCEAN PHYSICS
          APPLICATIONS PROGRAM
  RT   OCEANOGRAPHY
     % RESEARCH PROJECTS

EARTH ALBEDO
  1308 2402 2903
  GS   ALBEDO
       #EARTH ALBEDO
  RT   ABSORPTANCE
       COSMIC RAY ALBEDO
       EARTH RADIATION BUDGET
       EARTH RADIATION BUDGET EXPERIMENT
       EBERT SPECTROMETERS
       LUNAR ALBEDO
       REFLECTANCE
       TERRESTRIAL RADIATION

EARTH ATMOSPHERE
  1301 1302 1308 2003 3008
  GS  #EARTH ATMOSPHERE
       .CHEMOSPHERE
       .FREE ATMOSPHERE
       .HETEROSPHERE
       .HOMOSPHERE
       .LOWER ATMOSPHERE
       ..TROPOSPHERE
       ...TROPOPAUSE
       .MIDDLE ATMOSPHERE
       ..MESOSPHERE
       ...MESOPAUSE
       ..STRATOSPHERE
       ...OZONOSPHERE
       ...STRATOPAUSE
       .MIDLATITUDE ATMOSPHERE
```

.PRIMITIVE EARTH ATMOSPHERE
.UPPER ATMOSPHERE
..EARTH IONOSPHERE
...E REGION
....E-1 LAYER
....E-2 LAYER
....SPORADIC E LAYER
...LOWER IONOSPHERE
....D REGION
...UPPER IONOSPHERE
....F REGION
.....F 1 REGION
.....F 2 REGION
..EXOSPHERE
..THERMOSPHERE
...TURBOPAUSE
RT ACOUSTIC SOUNDING
AEROSPACE ENVIRONMENTS
AIR
AIR POLLUTION
AIR QUALITY
AIRGLOW
% ATMOSPHERES
ATMOSPHERIC CIRCULATION
ATMOSPHERIC COMPOSITION
ATMOSPHERIC ELECTRICITY
ATMOSPHERIC ENTRY
ATMOSPHERIC GENERAL CIRCULATION
EXPERIMENT
AURORAS
BIOASTRONAUTICS
EARTH MAGNETOSPHERE
ENVIRONMENTS
GEOPOTENTIAL HEIGHT
GLOBAL AIR POLLUTION
GREENHOUSE EFFECT
METEOR TRAILS
OPEN PROJECT
PLANETARY ATMOSPHERES
PLASMASPHERE
RADIATION BELTS
SATELLITE ATMOSPHERES
SCALE HEIGHT
SUPERROTATION
TELECONNECTIONS (METEOROLOGY)
WEATHERING

EARTH AXIS
0201 2103 3006
GS AXES (REFERENCE LINES)
.AXES OF ROTATION
.#EARTH AXIS
RT CHANDLER WOBBLE
COORDINATES
EARTH ORIENTATION
GEODESY
POLAR WANDERING (GEOLOGY)

EARTH CORE
1307 1308 3009
GS CORES
.PLANETARY CORES
.#EARTH CORE
LITHOSPHERE
#EARTH CORE
RT DYNAMO THEORY
GEOPHYSICAL FLUIDS
STRUCTURAL PROPERTIES (GEOLOGY)

EARTH CRUST
1306 1308 1310 3001
UF CRUSTAL DYNAMICS
GS CRUSTS
.PLANETARY CRUSTS
.#EARTH CRUST
LITHOSPHERE
#EARTH CRUST
RT COESITE
CONTINENTAL DRIFT
CORE SAMPLING
CRATONS
CRUSTAL FRACTURES
EARTH MANTLE
EARTHQUAKE DAMAGE
FOLDS (GEOLOGY)
LUNAR CRUST
MASSIFS
PLATES (TECTONICS)
SAN ANDREAS FAULT
SEA FLOOR SPREADING
STISHOVITE
STRUCTURAL PROPERTIES (GEOLOGY)

EARTH CURRENTS
USE TELLURIC CURRENTS

EARTH ENERGY BUDGET EXPERIMENT
USE LZEEBE SATELLITE

EARTH ENVIRONMENT
1301 1302 1308
GS ENVIRONMENTS
#EARTH ENVIRONMENT
RT AIR POLLUTION
ARID LANDS
DESERTIFICATION
MAGNETOSHEATH

EARTH FIGURE
USE GEODESY

EARTH GRAVITATION
1307 1309
GS GRAVITATION
#EARTH GRAVITATION
RT GEOMAGNETISM
GEOPOTENTIAL
GEOPOTENTIAL HEIGHT
GRAVITATIONAL FIELDS
GRAVITY ANOMALIES

EARTH HYDROSPHERE
0505 1310 2003
UF HYDROSPHERE (EARTH)
RT BIOSPHERE
HYDROLOGICAL CYCLE
HYDROLOGY
LAKES
LIMNOLOGY
OCEANS
SEAS

EARTH IONOSPHERE
1302 2003 3001
SN (ALTITUDES ABOVE APPROXIMATELY 50 KM)
GS EARTH ATMOSPHERE
.UPPER ATMOSPHERE
.#EARTH IONOSPHERE
...E REGION
....E-1 LAYER
....E-2 LAYER
....SPORADIC E LAYER
...LOWER IONOSPHERE
....D REGION
...UPPER IONOSPHERE
....F REGION
.....F 1 REGION
.....F 2 REGION
RT ATMOSPHERIC IONIZATION
CHEMOSPHERE
CRRES (SATELLITE)
EARTH MAGNETOSPHERE
EARTH-IONOSPHERE WAVEGUIDE
ELECTROJETS
EXOSPHERE
FIELD ALIGNED CURRENTS
HETEROSPHERE
HOMOSPHERE
INTASAT SATELLITE
ION CONCENTRATION
ION DENSITY (CONCENTRATION)
% IONOSPHERES
IONOSPHERIC PROPAGATION
IONOSPHERIC STORMS

```
    % LAYERS
      MAGNETOSPHERE-IONOSPHERE COUPLING
      MESOSPHERE
      MIDLATITUDE ATMOSPHERE
      REGIONS
      SATELLITE ATMOSPHERES
      SHEAR LAYERS
      THERMOSPHERE

EARTH LIMB
  3001 3008
  RT   ASTRONOMY
       LIBRATION
    % LIMBS
      PLANETARY LIMB

EARTH MAGNETOSPHERE
  1302 1307 2003 2307 3001
  GS   ENVIRONMENTS
       #EARTH MAGNETOSPHERE
       ..GEOMAGNETIC TAIL
       ..MAGNETOPAUSE
       ..MAGNETOSHEATH
  RT   AMPTE (SATELLITES)
       BARIUM ION CLOUDS
       CHAPMAN-FERRARO PROBLEM
       CLUSTER MISSION
       COROTATION
       CRRES (SATELLITE)
       EARTH ATMOSPHERE
       EARTH IONOSPHERE
       EXOSPHERE
       FIELD ALIGNED CURRENTS
       GEOMAGNETIC HOLLOW
       GEOMAGNETISM
       GEOS SATELLITES (ESA)
       HETEROSPHERE
       INTERNATIONAL MAGNETOSPHERIC
       EXPLORER
       INTERNATIONAL MAGNETOSPHERIC STUDY
       KP INDEX
       MAGNETIC FIELDS
       MAGNETOSPHERE-IONOSPHERE COUPLING
    % MAGNETOSPHERES
      NEUTRAL SHEETS
      OPEN PROJECT
      PLANETARY MAGNETOSPHERES
      PLASMA CLOUDS
      PLASMAPAUSE
      PLASMASPHERE
      POLAR CUSPS
      RADIATION BELTS
      RADIATION TRAPPING
      SATELLITE ATMOSPHERES
      SCREEN EFFECT
      SOLAR PLANETARY INTERACTIONS
      SOLAR TERRESTRIAL INTERACTIONS
      SOLAR WIND VELOCITY
      SPACE PLASMAS
      THERMOSPHERE

EARTH MAGNETOTAIL
  USE  GEOMAGNETIC TAIL

EARTH MANTLE
  1306 1308 3001
  UF   MANTLE (EARTH STRUCTURE)
  GS   LITHOSPHERE
       #EARTH MANTLE
       PLANETARY MANTLES
       #EARTH MANTLE
  RT   COESITE
       EARTH CRUST
       LUNAR MANTLE
       PLATES (TECTONICS)
       REGOLITH
       SEA FLOOR SPREADING
       STISHOVITE
       STRUCTURAL PROPERTIES (GEOLOGY)
       SUBDUCTION (GEOLOGY)

% EARTH MOTION
  1901 3002
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   CHANDLER WOBBLE
       EARTH MOVEMENTS
       EARTH ORIENTATION
       EARTH ROTATION
       POLAR WANDERING (GEOLOGY)
       SOLAR ORBITS

EARTH MOVEMENTS
  1306 1308 3001
  GS  #EARTH MOVEMENTS
       .EARTHQUAKES
       .LANDSLIDES
  RT   AVALANCHES
       CREVASSES
       CRUSTAL FRACTURES
     % EARTH MOTION
       EARTHQUAKE DAMAGE
       GEODYNAMICS
       LARGE APERTURE SEISMIC ARRAY
       SEA FLOOR SPREADING
       SEISMIC WAVES
       SEISMOLOGY
       TECTONICS
       TSUNAMI WAVES

EARTH OBSERVATIONS (FROM SPACE)
  1306
  GS   OBSERVATION
       #EARTH OBSERVATIONS (FROM SPACE)
       ..SATELLITE OBSERVATION
  RT   AERIAL PHOTOGRAPHY
       DATA ACQUISITION
       EARTH OBSERVING SYSTEM (EOS)
       EARTHNET
       FEATURE IDENTIFICATION AND
       LOCATION EXPER
       INTERNATIONAL GEOSPHERE-BIOSPHERE
       PROGRAM
       LANDSAT SATELLITES
       MULTISPECTRAL BAND SCANNERS
       MULTISPECTRAL PHOTOGRAPHY
       PHOTOGRAPHY
       SPOT (FRENCH SATELLITE)

EARTH OBSERVING SYSTEM (EOS)
  1306
  RT   EARTH OBSERVATIONS (FROM SPACE)
       INFORMATION SYSTEMS
       REMOTE SENSING
       SPACE PLATFORMS
       SPACE STATION PAYLOADS
       SPACE STATION POLAR PLATFORMS

EARTH ORBITAL ENVIRONMENTS
  2903 3004
  UF   GEO ENVIRONMENTS
       GEOSYNCHRONOUS EARTH ORBITAL
       ENVIRONMENTS
       LEO ENVIRONMENTS
       LOW EARTH ORBITAL  ENVIRONMENTS
  GS   ENVIRONMENTS
       .AEROSPACE ENVIRONMENTS
       .#EARTH ORBITAL ENVIRONMENTS
       .EXTRATERRESTRIAL ENVIRONMENTS
       .#EARTH ORBITAL ENVIRONMENTS
  RT   EXTRATERRESTRIAL RADIATION
       SPACECRAFT GLOW

EARTH ORBITAL RENDEZVOUS
  1904 3006
  UF   EOR (RENDEZVOUS)
  GS   MANEUVERS
       .ORBITAL RENDEZVOUS
       .#EARTH ORBITAL RENDEZVOUS
       RENDEZVOUS
       .SPACE RENDEZVOUS
       ..ORBITAL RENDEZVOUS
       ..#EARTH ORBITAL RENDEZVOUS
  RT   LUNAR ORBITAL RENDEZVOUS
```

ORBITAL MECHANICS
RENDEZVOUS TRAJECTORIES
SPACECRAFT TRAJECTORIES
TRANSFER ORBITS

EARTH ORBITING SPACE STATIONS
USE SPACE STATIONS

EARTH ORBITS
1901 1904 3006 3001
SN (ORBITS AROUND THE EARTH)
GS ORBITS
#EARTH ORBITS
..GEOSYNCHRONOUS ORBITS
..TWENTY-FOUR HOUR ORBITS
RT APOGEES
APOLLO ASTEROIDS
CIRCULAR ORBITS
CIRCUMLUNAR TRAJECTORIES
ELLIPTICAL ORBITS
EQUATORIAL ORBITS
HANSEN LUNAR THEORY
HILL LUNAR THEORY
HILL METHOD
LUNAR ORBITS
ORBITAL LIFETIME
ORBITAL MECHANICS
PARKING ORBITS
PERIGEES
PLANETARY ORBITS
POLAR ORBITS
SATELLITE ORBITS
SPACECRAFT ORBITS
STATIONARY ORBITS
TRANSFER ORBITS

EARTH ORIENTATION
3001
RT CHANDLER WOBBLE
EARTH AXIS
% EARTH MOTION
EARTH ROTATION
NUTATION
POLAR WANDERING (GEOLOGY)
PRECESSION

EARTH PLANETARY STRUCTURE
1304 1306 1308 2003 3001
RT CONTINENTAL DRIFT
GEOLOGY
GEOPHYSICS
HYDROLOGY
LITHOSPHERE
OCEANOGRAPHY
PLANETARY COMPOSITION
PLANETARY STRUCTURE
PLATES (TECTONICS)
PRIMITIVE EARTH ATMOSPHERE
STRUCTURAL PROPERTIES (GEOLOGY)
% STRUCTURES
TECTONICS

EARTH RADIATION
USE TERRESTRIAL RADIATION

EARTH RADIATION BUDGET
1308 2903
GS ENERGY BUDGETS
#EARTH RADIATION BUDGET
RT ATMOSPHERIC HEAT BUDGET
ATMOSPHERIC RADIATION
% BUDGETS
EARTH ALBEDO
EARTH RADIATION BUDGET EXPERIMENT
HEAT BUDGET
TERRESTRIAL RADIATION

EARTH RADIATION BUDGET EXPERIMENT
1306
UF ERBE
GS PAYLOADS
.SPACE SHUTTLE PAYLOADS
.#EARTH RADIATION BUDGET EXPERIMENT
RT ALBEDO
EARTH ALBEDO
EARTH RADIATION BUDGET
% RADIATION
RADIATION MEASURING INSTRUMENTS
TERRESTRIAL RADIATION

EARTH RESOURCES
1303 1306 1308 1310
GS RESOURCES
#EARTH RESOURCES
..FORESTS
...RAIN FORESTS
..FOSSIL FUELS
...COAL
....ANTHRACITE
....LIGNITE
....SOLVENT REFINED COAL
...CRUDE OIL
...NATURAL GAS
...PEAT
..GLACIERS
..ICEBERGS
..KEROGEN
..LAND ICE
..MARINE RESOURCES
..OIL FIELDS
..RANGE RESOURCES
..SPRINGS (WATER)
..TAR SANDS
..THERMAL RESOURCES
...GEOTHERMAL RESOURCES
....GEYSERS
..UNDERWATER RESOURCES
..WATER RESOURCES
...AQUIFERS
RT ALFALFA
ARID LANDS
BALTIC SHIELD (EUROPE)
BEDROCK
BIRDS
BRUSH (BOTANY)
CHAPARRAL
COASTAL ECOLOGY
COASTAL PLAINS
CORN
COTTON
CROP GROWTH
CROP IDENTIFICATION
DECIDUOUS TREES
DESERTS
EARTHNET
ENERGY POLICY
ENERGY TECHNOLOGY
ENVIRONMENT MANAGEMENT
ENVIRONMENT POLLUTION
ENVIRONMENTAL SURVEYS
EROS (SATELLITES)
FARM CROPS
FARMLANDS
FISHES
FLATS (LANDFORMS)
% FOOD
FOREST MANAGEMENT
GEOGRAPHIC APPLICATIONS PROGRAM
GEOTHERMAL ENERGY CONVERSION
GRAINS (FOOD)
GRANITE
GRASSLANDS
GREAT BASIN (US)
GREAT LAKES (NORTH AMERICA)
GREAT SALT LAKE (UT)
GROUND WATER
HABITATS
HAY
ICE MAPPING
IMAGERY
KETTLES (GEOLOGY)
KEYS (ISLANDS)
LAND USE
LARGE AREA CROP INVENTORY
EXPERIMENT

```
LAVA
LEGUMINOUS PLANTS
LIMESTONE
MAMMALS
MARSHLANDS
MILLET
MINERAL DEPOSITS
MINERALS
MISSISSIPPI RIVER (US)
NASA INTERACTIVE PLANNING SYSTEM
OATS
OCEANOGRAPHY
PHOTOGRAPHY
PHOTOMAPPING
PLANTS (BOTANY)
RECONNAISSANCE
REGOLITH
REMOTE SENSING
REMOTE SENSORS
RESOURCES MANAGEMENT
RIVERS
ROCKS
RURAL LAND USE
SANDS
SANDSTONES
SCANNING
SHALES
SOILS
SORGHUM
SPACEBORNE PHOTOGRAPHY
SPECTRAL RECONNAISSANCE
SPOT (FRENCH SATELLITE)
STRIP MINING
SUGAR BEETS
SUGAR CANE
SUNFLOWERS
SURFACE WATER
SURVEILLANCE
TERRAIN ANALYSIS
THERMAL MAPPING
TIDEPOWER
TIMBER IDENTIFICATION
TIMBER INVENTORY
TRIBUTARIES
VEGETATION
VINEYARDS
WATERWAVE ENERGY
WATERWAVE ENERGY CONVERSION
WHARVES
WINDPOWER UTILIZATION

EARTH RESOURCES EXPERIMENT PACKAGE
  USE  EREP

EARTH RESOURCES INFORMATION SYSTEM
  1303 1306 1308 3405 3406 3409
  GS   INFORMATION SYSTEMS
       #EARTH RESOURCES INFORMATION SYSTEM
  RT   DATA SYSTEMS
       NASA PROGRAMS
       PROGRAMS
       SKYLAB PROGRAM
     % SYSTEMS

EARTH RESOURCES OBSERVATION SATELLITES
  USE  EROS (SATELLITES)

EARTH RESOURCES PROGRAM
  3409
  GS   PROGRAMS
       .NASA PROGRAMS
       ..NASA SPACE PROGRAMS
       ..#EARTH RESOURCES PROGRAM
       ....EARTH RESOURCES SURVEY PROGRAM
       .....SEASAT PROGRAM
       .SPACE PROGRAMS
       ..NASA SPACE PROGRAMS
       ..#EARTH RESOURCES PROGRAM
       ....EARTH RESOURCES SURVEY PROGRAM
       .....SEASAT PROGRAM
  RT   APOLLO APPLICATIONS PROGRAM
       CHANGE DETECTION
       GEOGRAPHIC APPLICATIONS PROGRAM
       INFRARED RADIOMETERS
       LARGE AREA CROP INVENTORY
       EXPERIMENT
       PLANT STRESS
       SATELLITE OBSERVATION
       SKYLAB PROGRAM

EARTH RESOURCES SHUTTLE IMAGING RADAR
  0705
  GS   RADAR
       .PULSE RADAR
       ..PULSE DOPPLER RADAR
       ..#EARTH RESOURCES SHUTTLE IMAGING
          RADAR
  RT   RADAR IMAGERY
       SYNTHETIC ARRAYS

EARTH RESOURCES SURVEY AIRCRAFT
  0201
  GS   RECONNAISSANCE AIRCRAFT
       #EARTH RESOURCES SURVEY AIRCRAFT
  RT   AERIAL PHOTOGRAPHY
       AERIAL RECONNAISSANCE
     % AIRCRAFT
       PHOTOGEOLOGY
       PHOTORECONNAISSANCE

EARTH RESOURCES SURVEY PROGRAM
  1305 1306 1308 3409
  GS   PROGRAMS
       .NASA PROGRAMS
       ..NASA SPACE PROGRAMS
       ...EARTH RESOURCES PROGRAM
       ...#EARTH RESOURCES SURVEY PROGRAM
       .....SEASAT PROGRAM
       .SPACE PROGRAMS
       ..NASA SPACE PROGRAMS
       ...EARTH RESOURCES PROGRAM
       ...#EARTH RESOURCES SURVEY PROGRAM
       .....SEASAT PROGRAM
  RT   APOLLO APPLICATIONS PROGRAM
       SKYLAB PROGRAM

EARTH RESOURCES TECHNOLOGY SATELLITE B
  USE  LANDSAT 2

EARTH RESOURCES TECHNOLOGY SATELLITE C
  USE  LANDSAT 3

EARTH RESOURCES TECHNOLOGY SATELLITE D
  USE  LANDSAT 4

EARTH RESOURCES TECHNOLOGY SATELLITE E
  USE  LANDSAT E

EARTH RESOURCES TECHNOLOGY SATELLITE F
  USE  LANDSAT F

EARTH RESOURCES TECHNOLOGY SATELLITE 1
  USE  LANDSAT 1

EARTH RESOURCES TECHNOLOGY SATELLITES
  USE  LANDSAT SATELLITES

EARTH ROTATION
  1308 1901 3001
  GS   GYRATION
       .ROTATION
       .#EARTH ROTATION
  RT   CHANDLER WOBBLE
     % EARTH MOTION
       EARTH ORIENTATION
       SIDEREAL TIME
       SUPERROTATION

EARTH SCIENCES
  1306 1308 1310 2003
  RT   ATMOSPHERIC PHYSICS
       EARTH (PLANET)
       ECOLOGY
       GEOCHEMISTRY
       GEODYNAMICS
```

```
        GEOLOGY
        GEOMAGNETISM
        GEOPHYSICS
        HYDRODYNAMICS
        HYDROLOGY
        METEOROLOGY
        OCEANOGRAPHY
        SEISMOLOGY

EARTH SHAPE
  USE   GEODESY

EARTH SURFACE
  1306 1308 1310
  GS    LITHOSPHERE
        #EARTH SURFACE
  RT    CRATONS
        CRUSTAL FRACTURES
        EQUATORIAL REGIONS
        GEODETIC ACCURACY
        MARSHLANDS
        OCEAN SURFACE
        PLANETARY SURFACES
        STRUCTURAL PROPERTIES (GEOLOGY)
      % SURFACES
        TERRADYNAMICS
        TOPOGRAPHY

EARTH TERMINAL MEASUREMENT SYSTEM
  0501
  RT    COMMUNICATION SATELLITES
        ELECTROMAGNETIC MEASUREMENT
        ELECTRONIC EQUIPMENT TESTS
        GROUND SUPPORT EQUIPMENT
      % MEASUREMENT
        RADIO RELAY SYSTEMS
      % SYSTEMS
      % TEST EQUIPMENT

EARTH TERMINALS
  0702
  GS    STATIONS
        .GROUND STATIONS
        .#EARTH TERMINALS
  RT    CARRIER TO NOISE RATIOS
        COMMUNICATION EQUIPMENT
        RADIO RELAY SYSTEMS
        SATELLITE COMMUNICATION
        SATELLITE TRANSMISSION
        SPACECRAFT COMMUNICATION
        TELEVISION SYSTEMS
        VSAT (NETWORK)

EARTH TIDES
  0710 1302 1307
  GS    TIDES
        #EARTH TIDES
  RT    ATMOSPHERIC TIDES
        LUNAR TIDES

EARTH VIEWING APPLICATIONS LABORATORY
  1106
  UF    EVAL
  GS    LABORATORIES
        .SPACE LABORATORIES
        .#EARTH VIEWING APPLICATIONS
          LABORATORY
        PAYLOADS
        .SPACE SHUTTLE PAYLOADS
        .#EARTH VIEWING APPLICATIONS
          LABORATORY
  RT    SAIL PROJECT

EARTH-IONOSPHERE WAVEGUIDE
  0710
  GS    WAVEGUIDES
        #EARTH-IONOSPHERE WAVEGUIDE
  RT    D REGION
        EARTH IONOSPHERE
        IONOSPHERIC PROPAGATION
        PLASMAGUIDES
        RADIO TRANSMISSION
        VERY LOW FREQUENCIES

EARTH-MARS TRAJECTORIES
  1904 3006 3007 3009
  GS    TRAJECTORIES
        .SPACECRAFT TRAJECTORIES
        ..INTERPLANETARY TRAJECTORIES
        ..#EARTH-MARS TRAJECTORIES
  RT    ELLIPTICAL ORBITS
        ORBITAL MECHANICS
        TRANSFER ORBITS

EARTH-MERCURY TRAJECTORIES
  1904 3006 3007 3009
  GS    TRAJECTORIES
        .SPACECRAFT TRAJECTORIES
        ..INTERPLANETARY TRAJECTORIES
        ..#EARTH-MERCURY TRAJECTORIES
  RT    ELLIPTICAL ORBITS
        ORBITAL MECHANICS
        TRANSFER ORBITS

EARTH-MOON SYSTEM
  1308 1901 2311 3009 3001
  RT    CHARON
        GRAVITATIONAL FIELDS
        GRAVITATIONAL WAVES
        LUNAR RETROREFLECTORS
        MOON
        NATURAL SATELLITES
        ORBITAL MECHANICS
        SOLAR SYSTEM
      % SYSTEMS
        TWO BODY PROBLEM

EARTH-MOON TRAJECTORIES
  1601 1904 2308 2311 3009 3001
  GS    TRAJECTORIES
        .SPACECRAFT TRAJECTORIES
        ..LUNAR TRAJECTORIES
        ..#EARTH-MOON TRAJECTORIES
  RT    APOLLO 5 FLIGHT
        APOLLO 6 FLIGHT
        APOLLO 7 FLIGHT
        APOLLO 8 FLIGHT
        APOLLO 9 FLIGHT
        APOLLO 10 FLIGHT
        APOLLO 11 FLIGHT
        APOLLO 12 FLIGHT
        APOLLO 13 FLIGHT
        APOLLO 14 FLIGHT
        APOLLO 15 FLIGHT
        APOLLO 16 FLIGHT
        APOLLO 17 FLIGHT
        CIRCUMLUNAR TRAJECTORIES
        CISLUNAR SPACE
        INTERPLANETARY TRAJECTORIES
        LUNAR FLIGHT
        LUNAR ORBITS
        MOON-EARTH TRAJECTORIES
        PARKING ORBITS
        RENDEZVOUS TRAJECTORIES
        ROUND TRIP TRAJECTORIES
        TRANSFER ORBITS

EARTH-VENUS TRAJECTORIES
  1904 3006 3007 3009
  GS    TRAJECTORIES
        .SPACECRAFT TRAJECTORIES
        .#EARTH-VENUS TRAJECTORIES
  RT  % ASTRONAUTICS
        FLIGHT OPTIMIZATION
        INTERPLANETARY FLIGHT
        INTERPLANETARY TRAJECTORIES
      % MISSIONS
        ORBITS
        SPACE MISSIONS
        SPACE NAVIGATION
        SPACECRAFT REENTRY
        TRANSFER ORBITS

EARTHNET
  0803
```

```
  RT   EARTH OBSERVATIONS (FROM SPACE)
       EARTH RESOURCES
       ESA SATELLITES
       EUROPEAN SPACE PROGRAMS
       LANDSAT SATELLITES
       REMOTE SENSORS
       SYNTHETIC APERTURE RADAR

EARTHQUAKE DAMAGE
  1306 1308
  GS   DAMAGE
       #EARTHQUAKE DAMAGE
  RT   EARTH CRUST
       EARTH MOVEMENTS
       GEOLOGICAL FAULTS
       MICROSEISMS
       SEISMIC ENERGY
       SEISMIC WAVES
       SEISMOLOGY
       SHOCK WAVES
       TSUNAMI WAVES

EARTHQUAKE RESISTANCE
  1308
  GS   MECHANICAL PROPERTIES
       #EARTHQUAKE RESISTANCE
  RT   CRUSTAL FRACTURES
       EARTHQUAKES
       FRACTURE STRENGTH
       IMPACT STRENGTH
       LANDFORMS
     % RESISTANCE
       SEISMIC WAVES
       SHOCK RESISTANCE
       SHOCK WAVES
       TREMORS

EARTHQUAKE RESISTANT STRUCTURES
  1805
  RT   CONCRETE STRUCTURES
       ELASTIC BENDING
     % ELASTIC SYSTEMS
       SEISMIC WAVES
       SHOCK WAVES
       STRUCTURAL VIBRATION
     % STRUCTURES

EARTHQUAKES
  1308 2003
  GS   EARTH MOVEMENTS
       #EARTHQUAKES
  RT   CRUSTAL FRACTURES
       EARTHQUAKE RESISTANCE
       GEOLOGICAL FAULTS
       LARGE APERTURE SEISMIC ARRAY
       MICROSEISMS
       PLANETARY QUAKES
       PLATES (TECTONICS)
       ROUSE BELTS
       SAN ANDREAS FAULT
       SAN ANDREAS FAULT EXPERIMENT
       SEISMIC WAVES
       SEISMOLOGY
       SHOCK WAVES
       SUBDUCTION (GEOLOGY)
       TREMORS
       TSUNAMI WAVES

EASEP
  3004
  UF   EARLY APOLLO SURFACE EXPERIMENTS
       PACKAGE
  GS   PACKAGES
       .INSTRUMENT PACKAGES
       .#EASEP
  RT % INSTRUMENTS
       LUNAR EXPLORATION
       PAYLOADS
     % SURFACES

EAST GERMANY
  1305
  UF   GERMAN DEMOCRATIC REPUBLIC
       PEOPLES DEMOCRATIC REPUBLIC OF
       GERMANY
  GS   NATIONS
       #EAST GERMANY
  RT   CENTRAL EUROPE
       EUROPE
       GERMAN SPACE PROGRAM
       GERMANY
       WEST GERMANY

EAST PAKISTAN
  USE  BANGLADESH

EASTERN HEMISPHERE
  0303
  RT   EARTH (PLANET)
       GEOGRAPHY
     % HEMISPHERES
       WESTERN HEMISPHERE

EATING
  0408 0505
  GS   INGESTION (BIOLOGY)
       #EATING
  RT   DIGESTING
     % FOOD
       MASTICATION
       SPACE FLIGHT FEEDING
       SWALLOWING
       SYNTHETIC FOOD

EBERT SPECTROMETERS
  1404 1406 1411 2310
  GS   MEASURING INSTRUMENTS
       .OPTICAL MEASURING INSTRUMENTS
       .#EBERT SPECTROMETERS
       .RADIATION MEASURING INSTRUMENTS
       .#EBERT SPECTROMETERS
       .SPECTROMETERS
       .#EBERT SPECTROMETERS
       OPTICAL EQUIPMENT
       .OPTICAL MEASURING INSTRUMENTS
       .#EBERT SPECTROMETERS
  RT   EARTH ALBEDO
       FILTER WHEEL INFRARED SPECTROMETERS
       INFRARED SPECTROMETERS
       ULTRAVIOLET SPECTROMETERS

EBF
  USE  EXTERNALLY BLOWN FLAPS

EBR-1 REACTOR
  USE  EXPERIMENTAL BREEDER REACTOR 1

EBR-2 REACTOR
  USE  EXPERIMENTAL BREEDER REACTOR 2

EBULLITION
  USE  BOILING

EBWR (REACTOR)
  USE  EXPERIMENTAL BOILING WATER REACTORS

EC-121 AIRCRAFT
  0207 3401
  UF   R7V AIRCRAFT
       WARNING STAR AIRCRAFT
  GS   LOCKHEED AIRCRAFT
       #EC-121 AIRCRAFT
       MONOPLANES
       #EC-121 AIRCRAFT
       TRANSPORT AIRCRAFT
       #EC-121 AIRCRAFT
  RT % AIRCRAFT
       C-121 AIRCRAFT

ECCENTRIC GEOPHYSICAL OBSERVATORY
  USE  EGO

ECCENTRIC ORBIT GEOPHYSICAL OBSERVATORY
  USE  EGO
```

```
ECCENTRIC ORBITS
  1904 3006
  GS   ORBITS
       #ECCENTRIC ORBITS
  RT   CIRCULAR ORBITS
       ELLIPTICAL ORBITS
       EXOSAT SATELLITE
       LISSAJOUS FIGURES

ECCENTRICITY
  1902 2308 3006 3408
  RT   ABNORMALITIES
       ASYMMETRY
       BALANCING
       CONCENTRICITY
       DEVIATION
       ELLIPTICITY
       ELONGATION
       SKEWNESS
       SYMMETRY
       VARIABILITY
       VARIATIONS

ECCENTRICS
  1504
  UF   CRANKS
  RT   CAMS
       LINKAGES

ECHELETTE GRATINGS
  1404 1411 2310 3009
  GS   GRATINGS (SPECTRA)
       #ECHELETTE GRATINGS
  RT   DIFFRACTION
       ECHELLE GRATINGS
       REFLECTION

ECHELLE GRATINGS
  1404 1411 2310
  GS   GRATINGS (SPECTRA)
       #ECHELLE GRATINGS
  RT   DIFFRACTION
       ECHELETTE GRATINGS
       REFLECTION

ECHELON FAULTS
  USE  GEOLOGICAL FAULTS

ECHO PROJECT
  0706 3107 3409
  GS   PROGRAMS
       .NASA PROGRAMS
       ..NASA SPACE PROGRAMS
       ..#ECHO PROJECT
       .PROJECTS
       .#ECHO PROJECT
       .SPACE PROGRAMS
       ..NASA SPACE PROGRAMS
       ..#ECHO PROJECT
  RT   COMMUNICATION SATELLITES
       PASSIVE SATELLITES

ECHO SATELLITES
  0706 3107 3409
  GS   ARTIFICIAL SATELLITES
       .PASSIVE SATELLITES
       .#ECHO SATELLITES
       ...ECHO 1 SATELLITE
       ...ECHO 2 SATELLITE
  RT   AGENA B ROCKET VEHICLE
       AGENA ROCKET VEHICLES

ECHO SOUNDING
  1310 2301
  GS   SOUNDING
       #ECHO SOUNDING
  RT   DEEP SCATTERING LAYERS
       DEPTH MEASUREMENT
       ECHOES
       NAVIGATION AIDS
       SONAR
       SOUND LOCALIZATION
       SOUND RANGING
       UNDERWATER ACOUSTICS

ECHO SUPPRESSORS
  0702 0705 1001 2301
  GS   CIRCUITS
       #ECHO SUPPRESSORS
       SUPPRESSORS
       #ECHO SUPPRESSORS
  RT   NOISE REDUCTION
       PULSE RADAR
       RADIOTELEPHONES
       SONAR
       SWITCHES
       TELEPHONY
       VOICE COMMUNICATION

ECHO 1 CARRIER ROCKET
  USE  THOR DELTA LAUNCH VEHICLE

ECHO 1 SATELLITE
  0706 3107 3409
  UF   A-11 SATELLITE
  GS   ARTIFICIAL SATELLITES
       .PASSIVE SATELLITES
       ..ECHO SATELLITES
       ..#ECHO 1 SATELLITE
  RT   THOR DELTA LAUNCH VEHICLE

ECHO 2 SATELLITE
  0706 3107 3409
  UF   A-12 SATELLITE
  GS   ARTIFICIAL SATELLITES
       .PASSIVE SATELLITES
       ..ECHO SATELLITES
       ..#ECHO 2 SATELLITE
       UNMANNED SPACECRAFT
       #ECHO 2 SATELLITE

ECHOCARDIOGRAPHY
  0405 2301
  GS   BIOENGINEERING
       .BIOMETRICS
       ..CARDIOGRAPHY
       ...PHONOCARDIOGRAPHY
       ...#ECHOCARDIOGRAPHY
  RT   CARDIAC VENTRICLES
       HEART DISEASES
       HEART FUNCTION

ECHOENCEPHALOGRAPHY
  0405
  GS   BIOENGINEERING
       .BIOMETRICS
       .#ECHOENCEPHALOGRAPHY
  RT   BIOINSTRUMENTATION
       BRAIN
       ELECTROPHYSIOLOGY
       MEDICAL ELECTRONICS
       MEDICAL EQUIPMENT

ECHOES
  0203 1409 2301
  GS  #ECHOES
       .AURORAL ECHOES
       .LUNAR ECHOES
       ..LUNAR RADAR ECHOES
       .RADAR ECHOES
       ..ANGELS (RADAR)
       ..CLUTTER
       ..LUNAR RADAR ECHOES
       ..SOLAR RADAR ECHOES
       ..VENUS RADAR ECHOES
       .RADIO ECHOES
       .SIGNAL REFLECTION
  RT   ACOUSTICS
       CEPSTRAL ANALYSIS
       ECHO SOUNDING
       GROUND EFFECT (COMMUNICATIONS)
       NOISE (SOUND)
       REVERBERATION

ECLIPSE PROJECT
```

3002
GS PROGRAMS
.PROJECTS
.#ECLIPSE PROJECT

ECLIPSES
1901 3002
GS #ECLIPSES
.LUNAR ECLIPSES
.SOLAR ECLIPSES
RT ECLIPSING BINARY STARS
LUNAR SHADOW
OCCULTATION
PENUMBRAS
UMBRAS

ECLIPSING BINARY STARS
3001 3002
GS CELESTIAL BODIES
.STARS
..DOUBLE STARS
...BINARY STARS
...#ECLIPSING BINARY STARS
.....DWARF NOVAE
.....LAMBDA TAURI STARS
.....ZETA AURIGAE STAR
RT ACCRETION DISKS
CATACLYSMIC VARIABLES
ECLIPSES
STELLAR OCCULTATION
SYMBIOTIC STARS
VARIABLE STARS
X RAY BINARIES

ECLIPTIC
1303 1901 1904 3001 3006 3009
RT PLANETS
SOLAR ORBITS
ZODIAC

ECLOGITE
1305 1806
GS ROCKS
.IGNEOUS ROCKS
.#ECLOGITE
RT GADOLINIUM-GALLIUM GARNET
GARNETS
PYROXENES
SOILS

ECOLOGICAL SYSTEMS
USE ECOSYSTEMS

ECOLOGY
0404
GS #ECOLOGY
.COASTAL ECOLOGY
RT ARIZONA REGIONAL ECOLOGICAL TEST SITE
BIOCHEMICAL OXYGEN DEMAND
% BIOLOGY
BIOMETEOROLOGY
CARBON CYCLE
CENTRAL ATLANTIC REGIONAL ECOL TEST SITE
CLOSED ECOLOGICAL SYSTEMS
COASTAL PLAINS
EARTH SCIENCES
ECOSYSTEMS
ENDANGERED SPECIES
ENERGY POLICY
ENVIRONMENTS
GAIA HYPOTHESIS
HABITABILITY
HABITATS
PHENOLOGY
PREDATORS
SYMBIOSIS
VEGETATION GROWTH

ECONOMETRICS
1902
RT % APPLICATIONS OF MATHEMATICS
ECONOMICS
GROSS NATIONAL PRODUCT
STATISTICAL CORRELATION

ECONOMIC ANALYSIS
3402 3406
RT ALLOCATIONS
COMPARISON
COST ANALYSIS
COST ESTIMATES
COSTS
ECONOMY
EFFICIENCY
MANAGEMENT
OPERATING COSTS
VALUE ENGINEERING

ECONOMIC DEVELOPMENT
3402 3406
RT COMMERCE
DEVELOPING NATIONS
ECONOMY
GEOGRAPHY
INDUSTRIES
LAND USE
MANUFACTURING
RESOURCES
SPACE INDUSTRIALIZATION
URBAN DEVELOPMENT

ECONOMIC FACTORS
3402 3406
RT ALLOCATIONS
BUDGETING
COMMERCIAL ENERGY
COSTS
DEVELOPING NATIONS
DOMESTIC ENERGY
ECONOMY
EFFICIENCY
ENERGY POLICY
FEASIBILITY ANALYSIS
INDUSTRIAL ENERGY
INSURANCE (CONTRACTS)
MANAGEMENT
RESERVES
RESOURCES
TRANSPORTATION ENERGY

ECONOMIC IMPACT
3402
GS IMPACT
#ECONOMIC IMPACT
RT COSTS
ENVIRONMENTS
INDUSTRIES
INVESTMENTS
RESOURCES

ECONOMICS
3402
GS #ECONOMICS
.DEMAND (ECONOMICS)
RT COSTS
ECONOMETRICS
EVALUATION
FIDUCIARIES
INCOME
INTERNATIONAL TRADE
INVESTMENTS
PREJUDICES
PROGRESS
RECESSION
RESOURCES
STATISTICAL ANALYSIS

ECONOMY
3402 3406
RT COST ESTIMATES
DECISION MAKING
ECONOMIC ANALYSIS
ECONOMIC DEVELOPMENT

```
       ECONOMIC FACTORS
       FINANCIAL MANAGEMENT
       LOW COST
       MANAGEMENT PLANNING
       RECYCLING

ECOSYSTEMS
  0402 0404 0407 0409 2001
  UF   ECOLOGICAL SYSTEMS
  RT   CLOSED ECOLOGICAL SYSTEMS
       ECOLOGY
       ENDANGERED SPECIES
       FOOD CHAIN
       GAIA HYPOTHESIS
       PREDATORS
     % SYSTEMS

ECS
  USE  EUROPEAN COMMUNICATIONS SATELLITE

ECUADOR
  1305
  GS   NATIONS
       #ECUADOR
  RT   SOUTH AMERICA

EDDIES
  USE  VORTICES

EDDINGTON APPROXIMATION
  2311 2403 3501
  GS   ANALYSIS (MATHEMATICS)
       .NUMERICAL ANALYSIS
       ..APPROXIMATION
       ..#EDDINGTON APPROXIMATION

EDDY CURRENTS
  1202 1203 2003 2307 2603 3303 3501
  SN   (LIMITED TO ELECTRIC CURRENTS)
  GS   ELECTRIC CURRENT
       #EDDY CURRENTS
  RT   BRAKING
       ELECTRIC CONDUCTORS
       ELECTRICAL PROPERTIES
       HYSTERESIS
       LOSSES
       MAGNETIC PROPERTIES
     % PHYSICAL PROPERTIES
       PLASMA CURRENTS
       VORTICITY TRANSPORT HYPOTHESIS

EDDY DIFFUSION
  USE  TURBULENT DIFFUSION

EDDY VISCOSITY
  1202 2311 3408
  GS   TRANSPORT PROPERTIES
       .VISCOSITY
       .#EDDY VISCOSITY
  RT   FLOW CHARACTERISTICS
       FLOW RESISTANCE
       INTERNAL FRICTION
       TURBULENT FLOW
       VISCOUS DRAG
       VISCOUS FLOW

EDEMA
  0405 0408
  GS   SIGNS AND SYMPTOMS
       #EDEMA
  RT   BODY FLUIDS
       DIURESIS
       WATER BALANCE

EDGE DETECTION
  0404 0701 0705 2203 3401
  UF   BOUNDARY DETECTION (IMAGERY)
  GS   DETECTION
       #EDGE DETECTION
  RT   COMPUTER VISION
       IMAGE ANALYSIS
       IMAGE PROCESSING
       PATTERN RECOGNITION
       SCENE ANALYSIS

EDGE DISLOCATIONS
  2601 3203
  UF   SLIP BANDS
  GS   DEFECTS
       .CRYSTAL DEFECTS
       ..CRYSTAL DISLOCATIONS
       ..#EDGE DISLOCATIONS
       DISLOCATIONS (MATERIALS)
       .CRYSTAL DISLOCATIONS
       .#EDGE DISLOCATIONS
  RT % BANDS
       SCREW DISLOCATIONS

EDGE LOADING
  3203
  GS   LOADS (FORCES)
       #EDGE LOADING
  RT   AERODYNAMIC LOADS
       COMPRESSION LOADS
       DYNAMIC LOADS
       STATIC LOADS
       WING LOADING

EDGES
  1504 1704 2601 3203
  GS  #EDGES
       .LEADING EDGES
       ..BLUNT LEADING EDGES
       ..SHARP LEADING EDGES
       .TRAILING EDGES
       ..BLUNT TRAILING EDGES
  RT   MARGINS
       RIMS
       SCALLOPING
       SIDES
       TIPS

EDITING
  0803 3405
  RT   DATA PROCESSING
       DATA REDUCTION
       EDITING ROUTINES (COMPUTERS)
       FORMAT
       TECHNICAL WRITING

EDITING ROUTINES (COMPUTERS)
  0802
  GS   COMPUTER PROGRAMS
       #EDITING ROUTINES (COMPUTERS)
  RT   COMPUTER SYSTEMS PROGRAMS
       DATA PROCESSING
       EDITING

EDTA
  USE  ETHYLENEDIAMINETETRAACETIC ACIDS

EDUCATION
  0408 0410 0502 0503 3406 3409
  UF   INSTRUCTIONS
       TEACHING
       TRAINING
  GS  #EDUCATION
       .ASTRONAUT TRAINING
       .EJECTION TRAINING
       .FLIGHT TRAINING
       ..SPACE FLIGHT TRAINING
       .GUNNERY TRAINING
       .MAINTENANCE TRAINING
       .PILOT TRAINING
  RT   BEHAVIOR
       COMMUNICATING
       CREATIVITY
       EXPERIENCE
       HUMAN FACTORS ENGINEERING
       HUMAN RESOURCES
       INSTRUCTORS
       KNOWLEDGE
       LEARNING
       LEARNING THEORY
       LECTURES
```

MEMORY
% ORIENTATION
PSYCHOMETRICS
QUALIFICATIONS
RETRAINING
SAFETY MANAGEMENT
SCHOOLS
STUDENTS
% TESTS
TEXTBOOKS
TRAINING ANALYSIS
TRAINING DEVICES
TRANSFER OF TRAINING
UNIVERSITIES

EDUCATIONAL TELEVISION
0702 3404
GS TELECOMMUNICATION
#EDUCATIONAL TELEVISION
TELEVISION SYSTEMS
#EDUCATIONAL TELEVISION
RT CLOSED CIRCUIT TELEVISION
COLOR TELEVISION
COMMUNICATION EQUIPMENT
LEARNING
STEREOTELEVISION
TRAINING DEVICES

EEG (ELECTROENCEPHALOGRAMS)
USE ELECTROENCEPHALOGRAPHY

EFFECTIVE PERCEIVED NOISE LEVELS
0408 0506 2301
UF EPNL
GS LEVEL (QUANTITY)
#EFFECTIVE PERCEIVED NOISE LEVELS
RT ACOUSTIC MEASUREMENT
ACOUSTICS
LOUDNESS
% NOISE
NOISE (SOUND)
NOISE INTENSITY
NOISE REDUCTION
SOUND INTENSITY

EFFECTIVENESS
3406
GS #EFFECTIVENESS
.COST EFFECTIVENESS
.SYSTEM EFFECTIVENESS
RT EFFICIENCY

% EFFECTORS
0904 0905 1103
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT ACTUATORS
CONTROL EQUIPMENT
END EFFECTORS
MANIPULATORS

% EFFECTS
3406
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
UF AFFECTS
RT ATMOSPHERIC EFFECTS
AUGER EFFECT
BARKHAUSEN EFFECT
BAUSCHINGER EFFECT
BIOLOGICAL EFFECTS
BRILLOUIN EFFECT
BROWN WAVE EFFECT
CAPTURE EFFECT
CAUSES
CERENKOV RADIATION
CHEMICAL EFFECTS
COANDA EFFECT
COMPRESSIBILITY EFFECTS
COMPTON EFFECT
CORIOLIS EFFECT
DIFFUSION
DOPPLER EFFECT
DOPPLER-FIZEAU EFFECT
ELECTRO-OPTICAL EFFECT
ENVIRONMENT EFFECTS
ETTINGSHAUSEN EFFECT
FARADAY EFFECT
FIELD EFFECT TRANSISTORS
FIZEAU EFFECT
FORBUSH DECREASES
GALVANOMAGNETIC EFFECTS
GRAVITATIONAL EFFECTS
GREEN WAVE EFFECT
GREENHOUSE EFFECT
GROUND EFFECT (AERODYNAMICS)
GROUND EFFECT (COMMUNICATIONS)
GROUND EFFECT MACHINES
GUNN EFFECT
HALL EFFECT
HYDRODYNAMIC RAM EFFECT
ISOTOPE EFFECT
JAHN-TELLER EFFECT
JET BLAST EFFECTS
JOULE-THOMSON EFFECT
% KERR EFFECTS
KERR ELECTROOPTICAL EFFECT
KERR MAGNETOOPTICAL EFFECT
KIRKENDALL EFFECT
KONDO EFFECT
LONG TERM EFFECTS
LUNAR EFFECTS
LUNAR GRAVITATIONAL EFFECTS
LUXEMBOURG EFFECT
MAGNETIC EFFECTS
MAGNUS EFFECT
MOIRE EFFECTS
MOSSBAUER EFFECT
NERNST-ETTINGSHAUSEN EFFECT
NONOHMIC EFFECT
NUCLEAR EXPLOSION EFFECT
OVERHAUSER EFFECT
PATHOLOGICAL EFFECTS
PELTIER EFFECTS
PENNING EFFECT
PHOTOELECTRIC EFFECT
PHOTOELECTROMAGNETIC EFFECTS
PHOTOMAGNETIC EFFECTS
PHOTOMECHANICAL EFFECT
PHOTOVOLTAIC EFFECT
PHYSIOLOGICAL EFFECTS
PINCH EFFECT
POGO EFFECTS
POYNTING-ROBERTSON EFFECT
PRESSURE EFFECTS
PROXIMITY EFFECT (ELECTRICITY)
PSYCHOLOGICAL EFFECTS
RADIATION EFFECTS
RAMSAUER EFFECT
REENTRY EFFECTS
RELATIVISTIC EFFECTS
SCALE EFFECT
SCHACH EFFECT
SCREEN EFFECT
SEEBECK EFFECT
SOLAR ACTIVITY EFFECTS
STARK EFFECT
STERILIZATION EFFECTS
SUHL EFFECT
SURFACE EFFECT SHIPS
SURFACE ROUGHNESS EFFECTS
SWEEP EFFECT
TEMPERATURE EFFECTS
THERMOMAGNETIC EFFECTS
TURBULENCE EFFECTS
UMKEHR EFFECT
VACUUM EFFECTS
VIBRATION EFFECTS
VIEW EFFECTS
VOIGT EFFECT
WIND EFFECTS
ZEEMAN EFFECT
ZENER EFFECT

```
EFFERENT NERVOUS SYSTEMS
  0404 3408
  UF   MOTOR SYSTEMS (BIOLOGY)
  GS   ANATOMY
       .NERVOUS SYSTEM
       .#EFFERENT NERVOUS SYSTEMS
  RT   SENSORIMOTOR PERFORMANCE
     % SYSTEMS

EFFERVESCENCE
  0603 1202 1203 2311
  RT   BOILING
       BUBBLES
       SURFACE PROPERTIES

EFFICIENCY
  0502 2311 3404 3406
  GS  #EFFICIENCY
       .CHARGE EFFICIENCY
       .COMBUSTION EFFICIENCY
       .COMPRESSOR EFFICIENCY
       .ENERGY CONVERSION EFFICIENCY
       .NOZZLE EFFICIENCY
       .POWER EFFICIENCY
       .PROPULSIVE EFFICIENCY
       ..PROPELLER EFFICIENCY
       .THERMODYNAMIC EFFICIENCY
       .TRANSMISSION EFFICIENCY
  RT   AIRCRAFT PRODUCTION COSTS
       COMFORT
       COMMONALITY
       COMPRESSION RATIO
       COMPUTER SYSTEMS PERFORMANCE
       COST INCENTIVES
       COST REDUCTION
       COSTS
       ECONOMIC ANALYSIS
       ECONOMIC FACTORS
       EFFECTIVENESS
       FEASIBILITY
       FIGURE OF MERIT
       HUMAN FACTORS ENGINEERING
       INCENTIVE TECHNIQUES
       INDEXES (RATIOS)
       OPTIMIZATION
     % PERFORMANCE
       PRODUCTIVITY
       RATIOS
       UTILIZATION

EFFLUENTS
  0505 3404
  RT   AIR POLLUTION
       CONTAMINANTS
     % DISCHARGE
       ENVIRONMENT PROTECTION
       EXHAUST GASES
       FILTRATION
       LIQUID WASTES
       REACTION PRODUCTS
       SETTLING
       SEWAGE
       SEWERS
       WASTE DISPOSAL
       WASTES

EFFLUX
  0803 1003 1601
  RT   EMISSION
       OUTPUT

EFFORT
  0408 0506 3406
  RT   ABILITIES
       CONSISTENCY
       FATIGUE (BIOLOGY)
     % PERFORMANCE
       PHYSICAL WORK

EFFUSIVES
  1305 1306
  GS  #EFFUSIVES
       .LAVA
  RT   CONES (VOLCANOES)
       IGNEOUS ROCKS
       MARS VOLCANOES
       ROCKS
       VOLCANOES
       VOLCANOLOGY

EGCR (REACTOR)
  USE  EXPERIMENTAL GAS COOLED REACTORS

EGGS
  0404
  GS   CELLS (BIOLOGY)
       .GAMETOCYTES
       .#EGGS
  RT   EMBRYOS
       FETUSES
     % FOOD
       OVARIES

EGO
  1308 3107 3409
  UF   ECCENTRIC GEOPHYSICAL OBSERVATORY
       ECCENTRIC ORBIT GEOPHYSICAL
       OBSERVATORY
       EOGO
  GS   ARTIFICIAL SATELLITES
       .GEOPHYSICAL SATELLITES
       ..OGO
       ..#EGO
       OBSERVATORIES
       .GEOPHYSICAL OBSERVATORIES
       ..OGO
       ..#EGO
  RT   AGENA B ROCKET VEHICLE
       ATLAS LAUNCH VEHICLES
       POGO

EGRESS
  1104 3110 3407
  RT   AIR LOCKS
       DOORS
       HATCHES
       INGRESS (SPACECRAFT PASSAGEWAY)
       OPENINGS
       OUTLETS

EGYPT
  1305
  GS   NATIONS
       #EGYPT
  RT   AFRICA

EIGENFUNCTIONS
  USE  EIGENVECTORS

EIGENSTATES
  USE  EIGENVECTORS

EIGENVALUES
  1902 2306 2308
  UF   CHARACTERISTIC EQUATIONS
       CHARACTERISTIC FUNCTIONS
  GS   ALGEBRA
       .VECTOR SPACES
       ..MATRICES (MATHEMATICS)
       ..#EIGENVALUES
  RT   EIGENVECTORS
       FLUX VECTOR SPLITTING
       HILL DETERMINANT
       JACOBI MATRIX METHOD
       JORDAN FORM
       POLYNOMIALS
       ROOTS OF EQUATIONS

EIGENVECTORS
  1902 2308
  UF   CHARACTERISTIC EQUATIONS
       CHARACTERISTIC FUNCTIONS
       EIGENFUNCTIONS
       EIGENSTATES
```

```
  GS    ALGEBRA
        .VECTOR SPACES
        ..MATRICES (MATHEMATICS)
        ..#EIGENVECTORS
        ..VECTORS (MATHEMATICS)
        ..#EIGENVECTORS
  RT    EIGENVALUES
        JACOBI MATRIX METHOD
        MATHIEU FUNCTION
        POLYNOMIALS

EIKONAL EQUATION
  0710 2301 2306 2309 2402
  GS    WAVE EQUATIONS
        #EIKONAL EQUATION
  RT %  EQUATIONS
        GEOMETRICAL OPTICS
        POMERANCHUK THEOREM
        REFRACTED WAVES
        WAVE FRONTS
     %  WAVES

EINSTEIN EQUATIONS
  1902 2306 2308
  GS    ANALYSIS (MATHEMATICS)
        .REAL VARIABLES
        .#EINSTEIN EQUATIONS
  RT    BROWNIAN MOVEMENTS
        DIFFUSION
        DIFFUSION THEORY
     %  EQUATIONS
        EQUATIONS OF MOTION
        GRAND UNIFIED THEORY
        KINETIC EQUATIONS
        PROBABILITY THEORY

EINSTEIN OBSERVATORY
  USE   HEAO 2

EINSTEINIUM
  0603 2406
  GS    CHEMICAL ELEMENTS
        .ACTINIDE SERIES
        ..TRANSURANIUM ELEMENTS
        ..#EINSTEINIUM
        .NUCLIDES
        ..ISOTOPES
        ...RADIOACTIVE ISOTOPES
        ....TRANSURANIUM ELEMENTS
        ....#EINSTEINIUM
        METALS
        .ACTINIDE SERIES
        ..TRANSURANIUM ELEMENTS
        ..#EINSTEINIUM
  RT    EINSTEINIUM COMPOUNDS

EINSTEINIUM COMPOUNDS
  0603 2406
  GS    ACTINIDE SERIES COMPOUNDS
        #EINSTEINIUM COMPOUNDS
  RT    EINSTEINIUM

EISCAT RADAR SYSTEM (EUROPE)
  0705
  UF    EUROPEAN INCOHERENT SCATTER RADAR
  GS    RADAR
        .INCOHERENT SCATTER RADAR
        .#EISCAT RADAR SYSTEM (EUROPE)
  RT    INCOHERENT SCATTERING
        INTERNATIONAL COOPERATION
        IONOSPHERIC PROPAGATION
        RADAR SCATTERING
        RADAR TRANSMISSION
     %  SYSTEMS
        ULTRAHIGH FREQUENCIES

EJECTA
  3302 3009
  RT    CRATERING
        CRATERS
        DEBRIS
        EJECTION
        FRAGMENTS
        IMPACT DAMAGE
        MARS CRATERS
        METEORITE CRATERS
        METEORITIC DAMAGE
        PROJECTILE CRATERING
        WOLF-RAYET STARS

EJECTION
  0201 1201 2807 3501
  GS   #EJECTION
        .STELLAR MASS EJECTION
  RT    BAILOUT
     %  DISCHARGE
        DISCONNECT DEVICES
        DISPOSAL
        DUMPING
        EJECTA
        EJECTORS
        EMISSION
        EMPTYING
        ESCAPE (ABANDONMENT)
        ESCAPE SYSTEMS
        EVACUATING (TRANSPORTATION)
        EVACUATING (VACUUM)
        EXHAUSTING
        EXPULSION
        EXPULSION BLADDERS
        FLUSHING
        JETTISON SYSTEMS
        JETTISONING
        MATERIALS HANDLING
        PARACHUTE DESCENT
        RELEASING
        REMOVAL
        SHEDDING
        THROWING
        UNLOADING

EJECTION INJURIES
  0401 0405
  GS    INJURIES
        #EJECTION INJURIES
  RT    BAILOUT
        PILOT TRAINING

EJECTION SEATS
  0203 0208 2806 3104
  GS    ONBOARD EQUIPMENT
        .AIRCRAFT EQUIPMENT
        .#EJECTION SEATS
        ...FLYING EJECTION SEATS
        SAFETY DEVICES
        #EJECTION SEATS
        ..FLYING EJECTION SEATS
        SEATS
        #EJECTION SEATS
        ..FLYING EJECTION SEATS
  RT    ABORT APPARATUS
        AIRCRAFT SAFETY
        BAILOUT
        COCKPITS
        EJECTORS
        ESCAPE CAPSULES
        ESCAPE SYSTEMS
        JETTISON SYSTEMS
     %  PROPELLANT ACTUATED DEVICES

EJECTION TRAINING
  0502
  GS    EDUCATION
        #EJECTION TRAINING
  RT    ASTRONAUT TRAINING
        BAILOUT
        ESCAPE (ABANDONMENT)
        FLIGHT TRAINING
        PARACHUTE DESCENT
        PILOT TRAINING

EJECTORS
  0202 0203 0209 1201 1501 2806 3104
  3501
  RT    DISPENSERS
```

EJECTION
EJECTION SEATS
EXHAUST DIFFUSERS
EXHAUST NOZZLES
EXHAUST SYSTEMS
FLYING EJECTION SEATS
INJECTORS
JET ENGINES
JET PUMPS
MATERIALS HANDLING
PUMPS
ROCKET ENGINES
SPRAYERS
VACUUM PUMPS

EKMAN LAYER
0101
RT ATMOSPHERIC BOUNDARY LAYER
BOUNDARY LAYER TRANSITION
% LAYERS
MIXING LAYERS (FLUIDS)
POROUS BOUNDARY LAYER CONTROL
TURBULENT BOUNDARY LAYER

EL NINO
1310
GS CIRCULATION
.WATER CIRCULATION
..WATER CURRENTS
...OCEAN CURRENTS
...#EL NINO
RT AIR WATER INTERACTIONS
OCEAN TEMPERATURE
PACIFIC OCEAN
PERIODIC VARIATIONS
SOUTHERN OSCILLATION
TROPICAL METEOROLOGY

EL SALVADOR
1305
GS NATIONS
#EL SALVADOR
RT CENTRAL AMERICA

ELASTIC ANISOTROPY
2603 3408
GS ANISOTROPY
.PLASTIC ANISOTROPY
.#ELASTIC ANISOTROPY

ELASTIC BARS
1406 1408
GS BARS
#ELASTIC BARS

ELASTIC BENDING
3203
GS BENDING
#ELASTIC BENDING
DEFORMATION
.ELASTIC DEFORMATION
.#ELASTIC BENDING
RT EARTHQUAKE RESISTANT STRUCTURES

ELASTIC BODIES
1809 3202 3203 0104
RT % BODIES
% ELASTIC SYSTEMS
ELASTODYNAMICS
ELASTOSTATICS
PLASTIC BODIES

ELASTIC BUCKLING
3203
GS BUCKLING
#ELASTIC BUCKLING
DEFORMATION
.ELASTIC DEFORMATION
.#ELASTIC BUCKLING
RT FAILURE MODES

ELASTIC COLLISIONS
USE ELASTIC SCATTERING

ELASTIC CONSTANTS
USE ELASTIC PROPERTIES

ELASTIC CYLINDERS
1809 3202 3203
RT % CYLINDERS
CYLINDRICAL BODIES
CYLINDRICAL SHELLS

ELASTIC DAMPING
1809 3203 3301
GS DAMPING
#ELASTIC DAMPING
..VISCOELASTIC DAMPING
ELASTODYNAMICS
#ELASTIC DAMPING
..VISCOELASTIC DAMPING
RT RESONANCE TESTING
VIBRATION DAMPING
VISCOUS DAMPING

ELASTIC DEFORMATION
1809 3203
GS DEFORMATION
#ELASTIC DEFORMATION
..ELASTIC BENDING
..ELASTIC BUCKLING
RT AXIAL STRAIN
BENDING
BORDONI PEAKS
DEFLECTION
ELASTODYNAMICS
ELASTOSTATICS
FLEXIBLE SPACECRAFT
PLANE STRAIN
PLASTIC DEFORMATION
PRESTRESSING
STRAIN DISTRIBUTION
STRAIN ENERGY RELEASE RATE
STRESS-STRAIN RELATIONSHIPS
STRETCHING
STRUCTURAL STRAIN
TENSILE DEFORMATION

ELASTIC MEDIA
1809 3203
GS MEDIA
#ELASTIC MEDIA
RT ELASTODYNAMICS
ELASTOSTATICS

ELASTIC MODULUS
USE MODULUS OF ELASTICITY

ELASTIC PLATES
1809 3202
GS STRUCTURAL MEMBERS
.PLATES (STRUCTURAL MEMBERS)
.#ELASTIC PLATES
RT PLASTIC BODIES
PLASTIC PLATES

ELASTIC PROPERTIES
1704 1809 2308 2403 2603 3203 3408
UF ELASTIC CONSTANTS
ELASTICITY
GS MECHANICAL PROPERTIES
#ELASTIC PROPERTIES
..AEROELASTICITY
...AEROSERVOELASTICITY
...AEROTHERMOELASTICITY
..ANELASTICITY
..ELASTOPLASTICITY
..HYDROELASTICITY
..HYPOELASTICITY
..MAGNETOSTRICTION
..MODULUS OF ELASTICITY
...DYNAMIC MODULUS OF ELASTICITY
..PHOTOELASTICITY
...PHOTOVISCOELASTICITY
..PROPORTIONAL LIMIT

..THERMOELASTICITY
...AEROTHERMOELASTICITY
..VISCOELASTICITY
...PHOTOVISCOELASTICITY
...THERMOVISCOELASTICITY
RT AIRY FUNCTION
BIHARMONIC EQUATIONS
COMPRESSIVE STRENGTH
ELASTODYNAMICS
ELASTOMETERS
ELASTOSTATICS
FLEXIBILITY
HOOKES LAW
HYBRID STRUCTURES
INFLUENCE COEFFICIENT
MICROSONICS
MICROYIELD STRENGTH
% PHYSICAL PROPERTIES
PIEZOELECTRICITY
PLASTIC PROPERTIES
POISSON RATIO
PROPELLANT PROPERTIES
RESILIENCE
SOFTNESS
STRAIN ENERGY RELEASE RATE
STRESS TENSORS
TENSILE PROPERTIES
TENSILE STRENGTH
YIELD STRENGTH

ELASTIC SCATTERING
2401 2403 2404 2405
UF ELASTIC COLLISIONS
GS SCATTERING
#ELASTIC SCATTERING
RT ATOMIC COLLISIONS
% COHERENCE
COHERENT SCATTERING
ELECTRON SCATTERING
GLAUBER THEORY
INELASTIC SCATTERING
NUCLEAR SCATTERING
PHOTON-ELECTRON INTERACTION
POMERANCHUK THEOREM

ELASTIC SHEETS
1809 3202 3203
RT GIRDER WEBS
% SHEETS
WEBS (SHEETS)
WEBS (SUPPORTS)

ELASTIC SHELLS
1504 1809 3202 3203
GS SHELLS (STRUCTURAL FORMS)
#ELASTIC SHELLS
RT ANISOTROPIC SHELLS
PLASTIC SHELLS

ELASTIC STABILITY
USE DAMPING

ELASTIC STRENGTH
USE PROPORTIONAL LIMIT

% ELASTIC SYSTEMS
2308 2403 3203
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT EARTHQUAKE RESISTANT STRUCTURES
ELASTIC BODIES
% SYSTEMS

ELASTIC WAVES
1202 1203 2603 3203
UF EXPANSION WAVES
LOADING WAVES
PRESSURE WAVES
RAREFACTION WAVES
GS #ELASTIC WAVES
.CAPILLARY WAVES
..GRAVITY WAVES
...BAROCLINIC WAVES
..RIPPLES
.COHERENT ACOUSTIC RADIATION
.COMPRESSION WAVES
.DILATATIONAL WAVES
.IONIC WAVES
.MAGNETOELASTIC WAVES
..MAGNETOACOUSTIC WAVES
.MAGNETOHYDRODYNAMIC WAVES
..PLASMA WAVES
...ELECTROSTATIC WAVES
.P WAVES
.PHONONS
..PHONON BEAMS
.POLARIZED ELASTIC WAVES
.S WAVES
..SH WAVES
.SEISMIC WAVES
..LOVE WAVES
..MICROSEISMS
..RAYLEIGH WAVES
.SHOCK WAVES
..DETONATION WAVES
..MACH CONES
..NORMAL SHOCK WAVES
..OBLIQUE SHOCK WAVES
..RIEMANN WAVES
..SONIC BOOMS
.SOUND WAVES
..ELECTROACOUSTIC WAVES
..ION ACOUSTIC WAVES
..LAMB WAVES
..NOISE (SOUND)
...AERODYNAMIC NOISE
....BLADE SLAP NOISE
....PROPELLER NOISE
...AIRCRAFT NOISE
....BLADE SLAP NOISE
....JET AIRCRAFT NOISE
....PROPELLER NOISE
....SONIC BOOMS
...ENGINE NOISE
....ROCKET ENGINE NOISE
...THERMAL NOISE
.STRESS WAVES
.TOLLMIEN-SCHLICHTING WAVES
.ULTRASONIC RADIATION
.UNLOADING WAVES
RT ACOUSTIC PROPAGATION
ACOUSTIC SIMULATION
ACOUSTICS
AEOLIAN TONES
BACKGROUND NOISE
BACKWARD WAVES
CNOIDAL WAVES
COHERENT RADIATION
COMBUSTION VIBRATION
CONTINUOUS RADIATION
CYLINDRICAL WAVES
DIFFUSION WAVES
DOPPLER EFFECT
ELASTODYNAMICS
ELASTOHYDRODYNAMICS
LAME WAVE EQUATIONS
LONGITUDINAL WAVES
MAGNETOHYDRODYNAMIC STABILITY
PLANE WAVES
POLARIZED RADIATION
PRESSURE
PULSED RADIATION
% RADIATION
RADIATION DISTRIBUTION
RADIATION PRESSURE
RAREFACTION
REFLECTED WAVES
REFRACTED WAVES
SINE WAVES
SOLITARY WAVES
SOUND TRANSMISSION
SPHERICAL WAVES
STRESS PROPAGATION
SURFACE WAVES

TRANSVERSE WAVES
TRAVELING WAVES
TROPOSPHERIC WAVES
UNDERWATER ACOUSTICS
VIBRATION
WAVE DISPERSION
% WAVES

ELASTICITY
USE ELASTIC PROPERTIES

ELASTICIZERS
USE PLASTICIZERS

ELASTIN
0403 1808 1809
GS BIOPOLYMERS
.PROTEINS
.#ELASTIN
ORGANIC COMPOUNDS
.PROTEINS
.#ELASTIN
RT ALBUMINS

ELASTODYNAMICS
1809 3203
GS #ELASTODYNAMICS
.ELASTIC DAMPING
..VISCOELASTIC DAMPING
.ELASTOHYDRODYNAMICS
RT % DYNAMICS
ELASTIC BODIES
ELASTIC DEFORMATION
ELASTIC MEDIA
ELASTIC PROPERTIES
ELASTIC WAVES
ELASTOSTATICS
ELECTRORHEOLOGICAL FLUIDS

ELASTOHYDRODYNAMICS
1202 1204 1809
GS ELASTODYNAMICS
#ELASTOHYDRODYNAMICS
FLUID MECHANICS
.FLUID DYNAMICS
..HYDRODYNAMICS
..#ELASTOHYDRODYNAMICS
.HYDROMECHANICS
..HYDRODYNAMICS
..#ELASTOHYDRODYNAMICS
RT BALL BEARINGS
ELASTIC WAVES
FRICTION MEASUREMENT
LUBRICATION
ROTATING CYLINDERS
SQUEEZE FILMS
WATER WAVES

ELASTOMERS
1809 1810
GS RUBBER
.SYNTHETIC RUBBERS
.#ELASTOMERS
...CHLOROPRENE RESINS
...THIOPLASTICS
...VITON RUBBER (TRADEMARK)
...VULCANIZED ELASTOMERS
RT LATEX
ORGANIC MATERIALS
PLASTICS
% POLYMERS
SILICONE RUBBER
SOLITHANES
SPONGES (MATERIALS)

ELASTOMETERS
1406 1809 3203 3501
GS MEASURING INSTRUMENTS
#ELASTOMETERS
RT ELASTIC PROPERTIES
EXTENSOMETERS
STRAIN GAGES

ELASTOPLASTICITY
1809 3203
GS MECHANICAL PROPERTIES
.ELASTIC PROPERTIES
.#ELASTOPLASTICITY
.PLASTIC PROPERTIES
.#ELASTOPLASTICITY
RT J INTEGRAL
PLASTIC BODIES
PLASTIC PLATES
PLASTIC SHELLS

ELASTOSTATICS
3203
RT ELASTIC BODIES
ELASTIC DEFORMATION
ELASTIC MEDIA
ELASTIC PROPERTIES
ELASTODYNAMICS
STATICS

ELBER EQUATION
1704
RT CRACK CLOSURE
CRACKS
CYCLIC LOADS
% EQUATIONS
FRACTOGRAPHY
FRACTURE MECHANICS
MICROCRACKS
STRESS CONCENTRATION
STRESS CYCLES

ELBOW (ANATOMY)
0404 1504
GS ANATOMY
.LIMBS (ANATOMY)
..ARM (ANATOMY)
..#ELBOW (ANATOMY)
.MUSCULOSKELETAL SYSTEM
..JOINTS (ANATOMY)
..#ELBOW (ANATOMY)
APPENDAGES
.ARM (ANATOMY)
.#ELBOW (ANATOMY)
RT HUMERUS
ULNA

ELDO LAUNCH VEHICLE
3103 3409
GS LAUNCH VEHICLES
#ELDO LAUNCH VEHICLE
ROCKET VEHICLES
.MULTISTAGE ROCKET VEHICLES
.#ELDO LAUNCH VEHICLE
RT ARIANE LAUNCH VEHICLE
BLUE STREAK LAUNCH VEHICLE
EUROPA LAUNCH VEHICLES
EUROPEAN SPACE AGENCY
EUROPEAN 1 SPACECRAFT

ELECTRA AIRCRAFT
0204
GS COMMERCIAL AIRCRAFT
#ELECTRA AIRCRAFT
JET AIRCRAFT
.TURBOPROP AIRCRAFT
.#ELECTRA AIRCRAFT
LOCKHEED AIRCRAFT
#ELECTRA AIRCRAFT
MONOPLANES
#ELECTRA AIRCRAFT
PASSENGER AIRCRAFT
#ELECTRA AIRCRAFT
TRANSPORT AIRCRAFT
#ELECTRA AIRCRAFT
RT % AIRCRAFT

ELECTRETS
0904 1504 1801 1805 1809 1810 2305
2602
RT CAPACITORS

```
      CURIE TEMPERATURE
      DIELECTRIC POLARIZATION
      DIELECTRICS
      ELECTRIC ENERGY STORAGE
      ELECTRIC FIELDS
      ENERGY STORAGE
      MAGNETS
      POLARIZATION (CHARGE SEPARATION)

ELECTRIC AIRCRAFT
  USE  FLY BY WIRE CONTROL

ELECTRIC APPLIANCES
  USE  ELECTRIC EQUIPMENT

ELECTRIC ARCS
  0604 1203 1504 2304 3404 3501
  GS   ELECTRIC CURRENT
       .ELECTRIC DISCHARGES
       .#ELECTRIC ARCS
       ...CARBON ARCS
       ...MERCURY ARCS
  RT   ARC CHAMBERS
       ARC DISCHARGES
       ARC GENERATORS
     % ARCS
       CORONAS
       ELECTRICAL FAULTS
       FLASHOVER
       GAS DISCHARGES
       GLOW DISCHARGES
       IONIZATION
       LIGHT SOURCES
       LIGHTNING
       MAGNETOHYDRODYNAMICS
       PLANOTRONS
       PLASMA GENERATORS
       PLASMAS (PHYSICS)
       SAHA EQUATIONS
       SHORT CIRCUITS

ELECTRIC AUTOMOBILES
  1002 1504 3404
  GS   SURFACE VEHICLES
       .MOTOR VEHICLES
       ..AUTOMOBILES
       ..#ELECTRIC AUTOMOBILES
  RT   TRANSPORTATION

ELECTRIC BATTERIES
  0302 0904 0905 3401
  SN   (INCLUDES BOTH RECHARGEABLE OR
       STORAGE BATTERIES AND
       NON-RECHARGEABLE BATTERIES FOR
       GENERATING CURRENT FROM A STORED
       CHEMICAL ENERGY SOURCE)
  UF   BATTERIES
  GS   ELECTROCHEMICAL CELLS
       #ELECTRIC BATTERIES
       ..LITHIUM SULFUR BATTERIES
       ..NICKEL IRON BATTERIES
       ..PRIMARY BATTERIES
       ...ALKALINE BATTERIES
       ...DRY CELLS
       ....MAGNESIUM CELLS
       ....NICKEL ZINC BATTERIES
       ...METAL AIR BATTERIES
       ....ZINC-OXYGEN BATTERIES
       ...SODIUM SULFUR BATTERIES
       ...THERMAL BATTERIES
       ..REDOX CELLS
       ..STORAGE BATTERIES
       ...LEAD ACID BATTERIES
       ...NICKEL CADMIUM BATTERIES
       ...NICKEL HYDROGEN BATTERIES
       ...NICKEL ZINC BATTERIES
       ...SILVER CADMIUM BATTERIES
       ...SILVER HYDROGEN BATTERIES
       ...SILVER ZINC BATTERIES
       ...ZINC-BROMIDE BATTERIES
       ...ZINC-CHLORINE BATTERIES
       ..WET CELLS
  RT   AUXILIARY POWER SOURCES
       BATTERY CHARGERS
       CHARGE EFFICIENCY
       CHEMICAL AUXILIARY POWER UNITS
       DIRECT POWER GENERATORS
     % ELECTRIC CELLS
       ELECTRODES
       ELECTROLYTES
       ELECTROLYTIC CELLS
       ELECTROMOTIVE FORCES
     % ENERGY SOURCES
       ENERGY STORAGE
       NONAQUEOUS ELECTROLYTES
     % POWER SUPPLIES
       PULSE CHARGING
       RADIOISOTOPE BATTERIES
       ROADWAY POWERED VEHICLES
       SPACE STATION POWER SUPPLIES
       SPACECRAFT POWER SUPPLIES
       VOLTAGE CONVERTERS (DC TO DC)

ELECTRIC BRIDGES
  0904
  GS   CIRCUITS
       #ELECTRIC BRIDGES
       ..WIRE BRIDGE CIRCUITS
       ...WHEATSTONE BRIDGES
  RT % BRIDGES
       CAPACITORS
       ELECTRICAL MEASUREMENT
       MEASURING INSTRUMENTS
       SOLID STATE DEVICES

% ELECTRIC CELLS
  0302 0303 0604
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   AMPLIFIERS
       DIRECT POWER GENERATORS
       ELECTRIC BATTERIES
       ELECTRIC GENERATORS
       ELECTROCHEMICAL CELLS
       ELECTROLYTIC CELLS
       FISSION ELECTRIC CELLS
       FUEL CELLS
       KERR CELLS
       LEAD ACID BATTERIES
       LITHIUM SULFUR BATTERIES
       NONAQUEOUS ELECTROLYTES
       PHOTOELECTRIC CELLS
       SODIUM SULFUR BATTERIES
       SOLAR CELLS
       WET CELLS

ELECTRIC CHARGE
  2304
  GS  #ELECTRIC CHARGE
       .ELECTRIC DIPOLES
       ..ORBITING DIPOLES
       .ELECTROSTATIC CHARGE
       .ION CHARGE
       .SPACE CHARGE
       .TRAVELING CHARGE
  RT   CAPACITANCE
     % CHARGING
     % DIPOLES
       ELECTRICAL PROPERTIES
       ELECTROMETERS
       POLARITY
       POLARIZATION (CHARGE SEPARATION)
       PULSE CHARGING
       SCATHA SATELLITE

ELECTRIC CHOPPERS
  0904
  SN   (DEVICES FOR CONVERTING DC TO AC)
  UF   CHOPPERS (ELECTRIC)
  RT   AMPLIFIERS
       MECHANICAL OSCILLATORS

ELECTRIC CIRCUITS
  USE  CIRCUITS
```

```
ELECTRIC COILS
  0904
  GS   #ELECTRIC COILS
       .MAGNETIC COILS
       ..FIELD COILS
       ..MAGNET COILS
  RT   CHOKES
     % COILS
       IGNITION SYSTEMS
       IMPEDANCE
       MAGNETIC CORES
       TRANSFORMERS

ELECTRIC CONDUCTORS
  0604 1703 2302 2304 2305 2602 2603
  UF   ELECTRICAL LEADS
  GS   CONDUCTORS
       #ELECTRIC CONDUCTORS
       ..BEAM LEADS
       ..CONDUCTING POLYMERS
  RT % CONDUCTION
       DIELECTRICS
       EDDY CURRENTS
       ELECTRICAL INSULATION
       ELECTRICAL RESISTIVITY
       ELECTROSTATIC SHIELDING
       INSULATORS
       RESISTORS
       SEMICONDUCTORS (MATERIALS)
       SOMMERFELD WAVES
       THERMAL CONDUCTORS
       TRANSMISSION LINES

ELECTRIC CONNECTORS
  0303 0602 0904 2304
  UF   CONNECTORS (ELECTRIC)
       JACKS (ELECTRICAL)
  GS   CONNECTORS
       #ELECTRIC CONNECTORS
  RT   BEAM LEADS
       CIRCUITS
       DISCONNECT DEVICES
       ELECTRIC TERMINALS
       FLAT CONDUCTORS
     % JACKS
       SWITCHES

ELECTRIC CONTACTS
  0303 1001 2304 2602 0902 0904
  UF   CONTACTS (ELECTRIC)
  RT   BRUSHES
       BRUSHES (ELECTRICAL CONTACTS)
       COMMUTATORS
       CONTACT POTENTIALS
       CONTACT RESISTANCE
       DROPOUTS
       FLAT CONDUCTORS
     % RELAY
     % SLIDING CONTACT
       SLIDING FRICTION
       SWITCHES

ELECTRIC CONTROL
  0303 0602 2102 2304
  UF   ELECTROHYDRAULIC CONTROL
  RT   AUTOMATIC CONTROL
     % CONTROL
       CONTROL EQUIPMENT
       CONTROL SYSTEMS DESIGN
       ELECTRONIC CONTROL
       ENGINE CONTROL
       NUMERICAL CONTROL
       OPTICAL CONTROL
       REMOTE CONTROL
       SOLENOID VALVES
       VOLTAGE CONTROLLED OSCILLATORS

ELECTRIC CORONA
  0604 0605 0710 1203 2304 2402 3501
  UF   CORONA DISCHARGES
  GS   CORONAS
       #ELECTRIC CORONA
       ELECTRIC CURRENT
       .ELECTRIC DISCHARGES
       .#ELECTRIC CORONA
  RT   ATMOSPHERIC ELECTRICITY
       ELECTROHYDRODYNAMICS
       GLOW DISCHARGES
       IONIZATION
       SOLAR CORONA
       STATIC ELECTRICITY

ELECTRIC CURRENT
  0902 1001 1002 2003 2302 2304 2402
  UF   AMPERAGE
       ELECTROSEISMIC EFFECT
       HALL CURRENTS
       PHOTOCURRENTS
  GS  #ELECTRIC CURRENT
       .ALTERNATING CURRENT
       .BEAM CURRENTS
       .BRILLOUIN FLOW
       .DIRECT CURRENT
       .EDDY CURRENTS
       .ELECTRIC DISCHARGES
       ..ARC DISCHARGES
       ..ELECTRIC ARCS
       ...CARBON ARCS
       ...MERCURY ARCS
       ..ELECTRIC CORONA
       ..ELECTRIC SPARKS
       ..ELECTRODELESS DISCHARGES
       ..FLASHOVER
       ..GLOW DISCHARGES
       ..LIGHTNING
       ...BALL LIGHTNING
       ..MULTIPACTOR DISCHARGES
       ..PENNING DISCHARGE
       ..RADIO FREQUENCY DISCHARGE
       ..SAINT ELMO FIRE
       ..TOWNSEND DISCHARGE
       ...GAS DISCHARGES
       ....TOROIDAL DISCHARGE
       .....RING DISCHARGE
       .EXTERNAL SURFACE CURRENTS
       .FIELD ALIGNED CURRENTS
       ..BIRKELAND CURRENTS
       .HIGH CURRENT
       .IONOSPHERIC CURRENTS
       ..BIRKELAND CURRENTS
       ..ELECTROJETS
       ...AURORAL ELECTROJETS
       ...EQUATORIAL ELECTROJET
       .LINE CURRENT
       .LOW CURRENTS
       .PLASMA CURRENTS
       .RING CURRENTS
       .SHORT CIRCUIT CURRENTS
       .TELLURIC CURRENTS
       .THRESHOLD CURRENTS
  RT   AMMETERS
       CIRCUITS
       CURRENT CONVERTERS (AC TO DC)
       CURRENT DENSITY
       CURRENT REGULATORS
       CURRENT SHEETS
     % CURRENTS
       ELECTRICAL RESISTIVITY
       ELECTRICITY
       HIGH VOLTAGES
       HYDROELECTRICITY
       INVERTED CONVERTERS (DC TO AC)
       KIRCHHOFF LAW OF NETWORKS
       LEVITATION MELTING
       LIENARD POTENTIAL
       LOW CONDUCTIVITY
       MICROMILLIAMMETERS
       OHMS LAW
       POWER CONDITIONING
       SYSTEM GENERATED ELECTROMAGNETIC
       PULSES
       TRANSMISSION LINES
       VOLT-AMPERE CHARACTERISTICS
```

```
ELECTRIC DIPOLES
  2304 2402
  GS   ELECTRIC CHARGE
       #ELECTRIC DIPOLES
       ..ORBITING DIPOLES
  RT % DIPOLES
       MAGNETIC DIPOLES

ELECTRIC DISCHARGES
  0603 0605 1203 1411 2003 2304 2402
  3501
  GS   ELECTRIC CURRENT
       #ELECTRIC DISCHARGES
       ..ARC DISCHARGES
       ..ELECTRIC ARCS
       ...CARBON ARCS
       ...MERCURY ARCS
       ..ELECTRIC CORONA
       ..ELECTRIC SPARKS
       ..ELECTRODELESS DISCHARGES
       ..FLASHOVER
       ..GLOW DISCHARGES
       ..LIGHTNING
       ...BALL LIGHTNING
       ..MULTIPACTOR DISCHARGES
       ..PENNING DISCHARGE
       ..RADIO FREQUENCY DISCHARGE
       ..SAINT ELMO FIRE
       ..TOWNSEND DISCHARGE
       ...GAS DISCHARGES
       ....TOROIDAL DISCHARGE
       .....RING DISCHARGE
  RT   AVALANCHES
       CORONAS
     % DISCHARGE
       DUOPLASMATRONS
       ELECTRON EMISSION
       ELECTROSTATIC CHARGE
     % FLASH
       IONIZATION
       LIGHTNING SUPPRESSION
       MOLNIYA SATELLITES
       PLASMA CURRENTS
       SPACE CHARGE
       ZENER EFFECT

ELECTRIC ENERGY STORAGE
  0303 0904 2304
  GS   ENERGY STORAGE
       #ELECTRIC ENERGY STORAGE
  RT   CAPACITORS
       DIRECT POWER GENERATORS
       ELECTRETS
       INDUCTORS
       POTENTIAL ENERGY

% ELECTRIC EQUIPMENT
  0302 0303 0904
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  UF   ELECTRIC APPLIANCES
  RT   AIRBORNE EQUIPMENT
       CIRCUITS
       CURRENT REGULATORS
       ELECTRIC GENERATORS
       ELECTRIC POWER TRANSMISSION
       ELECTRICITY
       ELECTROMECHANICAL DEVICES
       ELECTRONIC EQUIPMENT
       HEATING EQUIPMENT
       HOMOPOLAR GENERATORS
       LIGHTING EQUIPMENT
       LOGISTICS
       MINIATURE ELECTRONIC EQUIPMENT
       MOTORS
       SOLENOID VALVES
       UTILITIES
       VOLTAGE CONVERTERS (AC TO AC)
       VOLTAGE CONVERTERS (DC TO DC)
       WELDING MACHINES

ELECTRIC EQUIPMENT TESTS
  1108 1505
  SN   (CHECKOUT OF ELECTRICAL EQUIPMENT)
  RT   ELECTRICAL MEASUREMENT
       ELECTRONIC EQUIPMENT TESTS
       GROUND TESTS
     % TESTS

ELECTRIC FIELD STRENGTH
  2304 2402
  GS   FIELD STRENGTH
       #ELECTRIC FIELD STRENGTH
  RT   COULOMB POTENTIAL
     % FORCE
       H WAVES
     % STRENGTH

ELECTRIC FIELDS
  2304 2402
  UF   ELECTROSTATIC FIELDS
  RT   BARIUM ION CLOUDS
       CAVITONS
       CONSTITUTIVE EQUATIONS
       COULOMB POTENTIAL
       CROSSED FIELDS
       CRYSTAL FIELD THEORY
       DIELECTRIC POLARIZATION
       ELECTRETS
       ELECTRODYNAMICS
       ELECTROMAGNETISM
       ELECTROMECHANICS
       ELECTROSTATIC CHARGE
       ELECTROSTATICS
       EXTERNAL SURFACE CURRENTS
       FIELD EMISSION
       FIELD STRENGTH
     % FIELDS
       LIENARD POTENTIAL
       MAGNETIC FIELDS
       PERMITTIVITY
       POLARITY
       SPACECRAFT CHARGING
       SPARK GAPS
       STARK EFFECT
       STATIC ELECTRICITY

ELECTRIC FILTERS
  0905
  GS   ELECTROMAGNETIC WAVE FILTERS
       #ELECTRIC FILTERS
       ..BANDSTOP FILTERS
       ..CRYSTAL FILTERS
       ..DIGITAL FILTERS
       ...FIR FILTERS
       ..MICROWAVE FILTERS
       ..RADAR FILTERS
       ..RADIO FILTERS
       ..TRACKING FILTERS
       ..WAVEGUIDE FILTERS
  RT   ADAPTIVE FILTERS
       BANDPASS FILTERS
       CAPACITORS
       CIRCUITS
       ELECTRONIC FILTERS
     % FILTERS
       HIGH PASS FILTERS
       INFRARED FILTERS
       KALMAN FILTERS
       LINEAR FILTERS
       LOW PASS FILTERS
       NONLINEAR FILTERS
       OPTICAL FILTERS
       RC CIRCUITS
       RECEIVERS
       REDUCED ORDER FILTERS
       RESISTORS
       TRANSFORMERS
       ULTRAVIOLET FILTERS
       WIENER FILTERING

ELECTRIC FURNACES
  0301
  GS   HEATING EQUIPMENT
```

.FURNACES
.#ELECTRIC FURNACES
RT % MATERIALS
SPACE PROCESSING

ELECTRIC FUSES
0902 0904
RT CIRCUIT PROTECTION
DISCONNECT DEVICES
% FUSES

ELECTRIC GENERATORS
0302 0303 0905
UF ELECTRIC POWER CONVERSION
ELECTROGENERATORS
POWER GENERATORS
GS #ELECTRIC GENERATORS
.AC GENERATORS
..LINEAR ALTERNATORS
..STATIC ALTERNATORS
.DIRECT POWER GENERATORS
..DC GENERATORS
..ELECTROSTATIC GENERATORS
..FUEL CELLS
...BIOCHEMICAL FUEL CELLS
...HYDROGEN OXYGEN FUEL CELLS
...PHOSPHORIC ACID FUEL CELLS
...REGENERATIVE FUEL CELLS
..MAGNETOHYDRODYNAMIC GENERATORS
..PHOTOELECTRIC GENERATORS
...PHOTOVOLTAIC CELLS
....SOLAR CELLS
.....VERTICAL JUNCTION SOLAR CELLS
..PRIMARY BATTERIES
...ALKALINE BATTERIES
...DRY CELLS
....MAGNESIUM CELLS
....NICKEL ZINC BATTERIES
...METAL AIR BATTERIES
....ZINC-OXYGEN BATTERIES
...SODIUM SULFUR BATTERIES
...THERMAL BATTERIES
..RADIOISOTOPE BATTERIES
...SNAP 7
...SNAP 9A
...SNAP 11
...SNAP 13
...SNAP 15
...SNAP 17
...SNAP 19
...SNAP 21
...SNAP 23
...SNAP 27
...SNAP 29
..THERMIONIC CONVERTERS
...SNAP 13
...SOLAR BLANKETS
..THERMOELECTRIC GENERATORS
...SNAP 3
...SNAP 7
...SNAP 9A
...SNAP 10A
...SNAP 11
...SNAP 15
...SNAP 17
...SNAP 19
...SNAP 21
...SNAP 23
...SNAP 27
...SNAP 29
...SOLAR SEA POWER PLANTS
.ROTATING GENERATORS
..AMPLIDYNES
..DYNAMOMETERS
..HOMOPOLAR GENERATORS
..TURBOGENERATORS
...ASTEC SOLAR TURBOELECTRIC GENERATOR
.SOLAR GENERATORS
..SOLAR AUXILIARY POWER UNITS
...ASTEC SOLAR TURBOELECTRIC GENERATOR
..SOLAR CELLS
...VERTICAL JUNCTION SOLAR CELLS
..SOLAR DYNAMIC POWER SYSTEMS
RT AIRCRAFT POWER SUPPLIES
ARC GENERATORS
ARMATURES
AUXILIARY POWER SOURCES
BRUSHES
BRUSHES (ELECTRICAL CONTACTS)
CLOSED CYCLES
COGENERATION
COMBINED CYCLE POWER GENERATION
% CONVERSION
% CONVERTERS
% ELECTRIC CELLS
% ELECTRIC EQUIPMENT
ELECTRICAL ENGINEERING
ELECTROMOTIVE FORCES
% ENERGY SOURCES
% GENERATORS
NUCLEAR ELECTRIC POWER GENERATION
% POWER
POWER CONDITIONING
% POWER SUPPLIES
SNAP
SOLAR PONDS (HEAT STORAGE)
STATIC INVERTERS
THERMONUCLEAR POWER GENERATION
TIDE POWERED GENERATORS
WINDMILLS (WINDPOWERED MACHINES)
WINDPOWERED GENERATORS

ELECTRIC HYBRID VEHICLES
1504
GS SURFACE VEHICLES
#ELECTRIC HYBRID VEHICLES
RT AUTOMOBILES
INTERNAL COMBUSTION ENGINES
% ROTATING ELECTRICAL MACHINES
% VEHICLES

ELECTRIC IGNITION
0303 0904 2304
GS IGNITION
#ELECTRIC IGNITION
RT IGNITERS
IGNITION SYSTEMS
SPARK IGNITION
SQUIBS
STARTING

ELECTRIC IMPULSES
USE ELECTRIC PULSES

ELECTRIC MOMENTS
2304 2311
GS ELECTRICAL PROPERTIES
#ELECTRIC MOMENTS
MOMENTS
.DIPOLE MOMENTS
.#ELECTRIC MOMENTS
RT MAGNETIC MOMENTS
POLARIZATION (CHARGE SEPARATION)

ELECTRIC MOTOR VEHICLES
3110
GS SURFACE VEHICLES
.MOTOR VEHICLES
.#ELECTRIC MOTOR VEHICLES
RT AUTOMATED TRANSIT VEHICLES
AUTOMOBILES
CRAWLER TRACTORS
RESEARCH VEHICLES
ROADWAY POWERED VEHICLES
TEST VEHICLES
TRACTORS
TRUCKS
% VEHICLES

ELECTRIC MOTORS
0301 0303 0904 1504 2304 3404
GS MOTORS
#ELECTRIC MOTORS

..ASYNCHRONOUS MOTORS
..INDUCTION MOTORS
..MICROMOTORS
..STEPPING MOTORS
..SYNCHRONOUS MOTORS
..TORQUE MOTORS
RT AMPLIDYNES
ARMATURES
BRUSHES
BRUSHES (ELECTRICAL CONTACTS)
CIRCUITS
COMMUTATORS
DECOMMUTATORS
POWER FACTOR CONTROLLERS
% ROTATING ELECTRICAL MACHINES
SERVOMECHANISMS
SERVOMOTORS
STATORS
TRANSFORMERS

ELECTRIC NETWORKS
0303 0702 0902 2304 2402
RT IMPEDANCE MATCHING
% NETWORKS
SNEAK CIRCUIT ANALYSIS
VOLTAGE CONTROLLED OSCILLATORS

ELECTRIC OUTLETS
0904
RT % POWER TRANSMISSION

ELECTRIC POTENTIAL
2304
UF VOLTAGE
GS POTENTIAL ENERGY
#ELECTRIC POTENTIAL
..BIOELECTRIC POTENTIAL
..CONTACT POTENTIALS
..COULOMB POTENTIAL
..LIENARD POTENTIAL
..LOW VOLTAGE
..OPEN CIRCUIT VOLTAGE
..PHOTOVOLTAGES
..QUANTUM WELLS
..SPIKE POTENTIALS
..THRESHOLD VOLTAGE
RT BARRITT DIODES
BIAS
CAPACITANCE-VOLTAGE CHARACTERISTICS
ELECTROMOTIVE FORCES
GIBBS-HELMHOLTZ EQUATIONS
HIGH VOLTAGES
IONIZATION POTENTIALS
KIRCHHOFF LAW OF NETWORKS
OVERVOLTAGE
% POTENTIAL
POTENTIOMETERS (INSTRUMENTS)
POWER CONDITIONING
STATIC ELECTRICITY
TRANSCONDUCTANCE
VOLT-AMPERE CHARACTERISTICS

% ELECTRIC POWER
0301 0303 1504 2304 3404
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
UF ELECTRICAL ENERGY
RT AUXILIARY POWER SOURCES
ELECTRIC BATTERIES
ELECTRIC CURRENT
ELECTRIC POWER PLANTS
ELECTRIC PROPULSION
ELECTRICAL PROPERTIES
ELECTRICITY
ELECTRIFICATION
GEOTHERMAL ENERGY UTILIZATION
HYDROELECTRICITY
INDUCTION MOTORS
POYNTING THEOREM
TOKAMAK DEVICES
TURBOGENERATORS
UTILITIES
VOLTAGE CONVERTERS (AC TO AC)
VOLTAGE CONVERTERS (DC TO DC)

ELECTRIC POWER CONVERSION
USE ELECTRIC GENERATORS

ELECTRIC POWER PLANTS
0904 2304
GS #ELECTRIC POWER PLANTS
.FUEL CELL POWER PLANTS
.NUCLEAR POWER PLANTS
..ENRICO FERMI ATOMIC POWER PLANT
..HALLAM NUCLEAR POWER FACILITY
..ML-1 NUCLEAR POWER PLANT
.SOLAR THERMAL ELECTRIC POWER PLANTS
RT COGENERATION
COMBINED CYCLE POWER GENERATION
% ELECTRIC POWER
ELECTRICAL ENGINEERING
% FACILITIES
FLUE GASES
FLY ASH
HYDROELECTRIC POWER STATIONS
INTEGRATED ENERGY SYSTEMS
MODULAR INTEGRATED UTILITY SYSTEM
% POWER PLANTS
SOLAR SEA POWER PLANTS

ELECTRIC POWER SUPPLIES
0303 0904 1504 2304 3404
GS #ELECTRIC POWER SUPPLIES
.AIRCRAFT POWER SUPPLIES
.SOLAR DYNAMIC POWER SYSTEMS
.SPACE STATION POWER SUPPLIES
.SPACECRAFT POWER SUPPLIES
RT AUXILIARY POWER SOURCES
COMPULSATORS
INDUCTION MOTORS
LINE CURRENT
PAYLOAD DELIVERY (STS)
% POWER SUPPLIES

ELECTRIC POWER TRANSMISSION
0902 0904 2304
GS TRANSMISSION
#ELECTRIC POWER TRANSMISSION
RT CIRCUIT PROTECTION
CIRCUITS
% CONDUCTION
% ELECTRIC EQUIPMENT
ELECTRICAL ENGINEERING
ELECTRIFICATION
HYDROELECTRIC POWER STATIONS
% NETWORKS
POLES (SUPPORTS)
POWER LINES
% POWER TRANSMISSION
SUPERCONDUCTING POWER TRANSMISSION
TRANSMISSION CIRCUITS
TRANSMISSION LINES
TRANSMISSION LOSS
UNDERGROUND TRANSMISSION LINES

ELECTRIC PROPULSION
0301 2304 2803 3404
SN (EXCLUDES PROPULSION USING ELECTRIC MOTORS AS PRIME MOVERS)
GS PROPULSION
#ELECTRIC PROPULSION
..ELECTROMAGNETIC PROPULSION
..ELECTROSTATIC PROPULSION
...ION PROPULSION
..LASER PROPULSION
..PLASMA PROPULSION
..SOLAR ELECTRIC PROPULSION
RT ARC JET ENGINES
% ELECTRIC POWER
LOW THRUST PROPULSION
MARINE PROPULSION
NUCLEAR ELECTRIC PROPULSION
PLASMA POWER SOURCES

```
      RIFT (REACTOR IN FLIGHT TEST)
      SERT 1 SPACECRAFT
      SERT 2 SPACECRAFT
      SPACE STATION PROPULSION
      SPACECRAFT PROPULSION
      TWO STAGE PLASMA ENGINES
      UNDERWATER PROPULSION

ELECTRIC PULSES
  0902 2304 2402 2403
  UF  ELECTRIC IMPULSES
  GS  PULSES
      #ELECTRIC PULSES
  RT  ELECTROMAGNETIC MISSILES
      ELECTROMAGNETIC PULSES
      PULSE AMPLITUDE
      PULSE DURATION
      PULSE GENERATORS
      PULSE MODULATION
      PULSE RATE
    % SIGNALS
      SYSTEM GENERATED ELECTROMAGNETIC
      PULSES

ELECTRIC REACTORS
  0904
  GS  #ELECTRIC REACTORS
      .SATURABLE REACTORS
  RT  CAPACITORS
      CIRCUIT PROTECTION
    % REACTORS
      RESISTORS
      TRANSFORMERS

ELECTRIC RELAYS
  0904
  SN  (EXCLUDES COMMUNICATION SYSTEM
      REPEATERS)
  GS  SWITCHES
      #ELECTRIC RELAYS
  RT  ARMATURES
      CIRCUIT BREAKERS
      DISCONNECT DEVICES
      INTERRUPTION
    % RELAY
      SELECTORS
      SOLENOID VALVES
      SOLENOIDS
      SWITCHING CIRCUITS
      TIME LAG

ELECTRIC ROCKET ENGINES
  2803
  GS  ENGINES
      .ROCKET ENGINES
      .#ELECTRIC ROCKET ENGINES
      ...ELECTROSTATIC ENGINES
      ...ELECTROTHERMAL ENGINES
      ....ARC JET ENGINES
      ....RESISTOJET ENGINES
      ...ION ENGINES
      ....CESIUM ENGINES
      ....MERCURY ION ENGINES
      ....RIT ENGINES
  RT  MICROROCKET ENGINES
      PULSED JET ENGINES
      RESTARTABLE ROCKET ENGINES
      SERT 1 SPACECRAFT
      SERT 2 SPACECRAFT
      SPACE ELECTRIC ROCKET TESTS
      SUSTAINER ROCKET ENGINES
      VERNIER ENGINES

ELECTRIC SPARKS
  2304
  UF  SPARK DISCHARGES
  GS  ELECTRIC CURRENT
      .ELECTRIC DISCHARGES
      .#ELECTRIC SPARKS
      SPARKS
      #ELECTRIC SPARKS
  RT  FLASHOVER
      GAS DISCHARGES
      IONIZATION
      LIGHTNING
      SPARK CHAMBERS
      SPARK GAPS
      SPARK IGNITION
      SPARK PLUGS
      STATIC ELECTRICITY

ELECTRIC STIMULI
  0404 0408 2304 3404
  RT % STIMULI

ELECTRIC SWITCHES
  0904
  GS  SWITCHES
      #ELECTRIC SWITCHES
      ..CRYOTRONS
      ..STEPPING SWITCHES
      ..THERMOSTATS
      ..VACUUM ARC SWITCHES
  RT  CONTACTORS
      CRYOSTATS
      CURRENT REGULATORS
      DROPOUTS
      ELECTRONIC CONTROL
      PRESSURE SWITCHES
      SOLENOID VALVES
      SWITCHING CIRCUITS
      VOLTAGE REGULATORS

ELECTRIC TERMINALS
  0902 0904 2304
  RT  ELECTRIC CONNECTORS
      NETWORK ANALYSIS
    % TERMINALS

ELECTRIC WELDING
  1507 1704 3404
  GS  WELDING
      .FUSION WELDING
      .#ELECTRIC WELDING
      ...ARC WELDING
      ....GAS TUNGSTEN ARC WELDING
      ....PLASMA ARC WELDING
      ...ELECTROSLAG WELDING
      ...FLASH WELDING
  RT  ELECTRON BEAM WELDING
      PRESSURE WELDING
      SPOT WELDS
      WELDING MACHINES

ELECTRIC WIRE
  0303 0902 0904 1504 3404
  UF  ELECTRIC WIRING
  GS  CONDUCTORS
      #ELECTRIC WIRE
      WIRE
      #ELECTRIC WIRE
  RT  BUS CONDUCTORS
      CIRCUITS
      COMMUNICATION CABLES
      ELECTRICAL INSULATION
      EXPLODING WIRES
      FLAT CONDUCTORS
      POWER LINES
      TRANSMISSION LINES
      WIRE BRIDGE CIRCUITS

ELECTRIC WIRING
  USE ELECTRIC WIRE
      WIRING

ELECTRICAL BREAKDOWN
  USE ELECTRICAL FAULTS

ELECTRICAL CONDUCTIVITY
  USE ELECTRICAL RESISTIVITY

ELECTRICAL CONDUCTIVITY METERS
  0904
  GS  MEASURING INSTRUMENTS
      .CONDUCTIVITY METERS
```

```
      .#ELECTRICAL CONDUCTIVITY METERS
  RT  OHMMETERS

ELECTRICAL ENERGY
  USE ELECTRIC POWER

ELECTRICAL ENGINEERING
  3404 3406
  RT  ELECTRIC GENERATORS
      ELECTRIC POWER PLANTS
      ELECTRIC POWER TRANSMISSION
    % ELECTRONICS
    % ENGINEERING
    % POWER TRANSMISSION
      SYSTEMS ENGINEERING
      TRANSMISSION LINES
      TURBOGENERATORS

ELECTRICAL FAULTS
  0604 0902 1002 2304 2402
  UF  ELECTRICAL BREAKDOWN
      VOLTAGE BREAKDOWN
  GS #ELECTRICAL FAULTS
      .SHORT CIRCUITS
  RT % BREAKDOWN
      CIRCUIT PROTECTION
      ELECTRIC ARCS
      FAILURE
    % FAULTS
      FLASHOVER
      SNEAK CIRCUIT ANALYSIS
      SPARK GAPS

ELECTRICAL GROUNDING
  0902 1001 2304
  RT  CIRCUIT PROTECTION
      CIRCUITS
      NOISE REDUCTION
      TRANSFORMERS

ELECTRICAL IMPEDANCE
  1001 2304
  UF  ADMITTANCE
      IMMITTANCE
  GS  ELECTRICAL PROPERTIES
      #ELECTRICAL IMPEDANCE
      ..ELECTRICAL RESISTANCE
      ...CONTACT RESISTANCE
      ...SKIN RESISTANCE
      ...TRANSCONDUCTANCE
      ..REACTANCE
      IMPEDANCE
      #ELECTRICAL IMPEDANCE
      ..ELECTRICAL RESISTANCE
      ...CONTACT RESISTANCE
      ...SKIN RESISTANCE
      ...TRANSCONDUCTANCE
      ..REACTANCE
  RT  CAPACITANCE
      IMPEDANCE MATCHING
      IMPEDANCE MEASUREMENT
      INDUCTANCE
      LATCH-UP
      OHMMETERS
      SMITH CHART

ELECTRICAL INSULATION
  0902 0904 1001 2302 2304 2602
  UF  NONCONDUCTORS
  GS  INSULATION
      #ELECTRICAL INSULATION
  RT  ASBESTOS
      CIRCUIT PROTECTION
      DIELECTRICS
      ELECTRIC CONDUCTORS
      ELECTRIC WIRE
      EXCITONS
    % INSULATED STRUCTURES
      INSULATORS
      WIRING

ELECTRICAL LEADS
  USE ELECTRIC CONDUCTORS

ELECTRICAL MEASUREMENT
  0401 0904 2304
  SN  (MEASUREMENT OF ELECTRICAL
      PROPERTIES, QUANTITIES, OR
      CONDITIONS)
  UF  VOLTAGE MEASUREMENT
  GS #ELECTRICAL MEASUREMENT
      .COULOMETRY
      .POLAROGRAPHY
  RT  AMMETERS
      BOLOMETERS
      COULOMETERS
      ELECTRIC BRIDGES
      ELECTRIC EQUIPMENT TESTS
      ELECTROMAGNETIC MEASUREMENT
      ELECTROMETERS
      ELECTRONIC EQUIPMENT TESTS
      FLOWMETERS
      IMPEDANCE MEASUREMENT
      MAGNETOMETERS
    % MEASUREMENT
      MEASURING INSTRUMENTS
      MICROMILLIAMMETERS
      MISMATCH (ELECTRICAL)
      OHMMETERS
      OSCILLOGRAPHS
      POTENTIOMETERS (INSTRUMENTS)
      WATTMETERS

ELECTRICAL PROPERTIES
  0604 2302 2304 2402 2602 3408
  UF  BARDEEN APPROXIMATION
  GS #ELECTRICAL PROPERTIES
      .ANTIFERROELECTRICITY
      .CAPACITANCE
      .CAPACITANCE-VOLTAGE
       CHARACTERISTICS
      .CARRIER MOBILITY
      ..ELECTRON MOBILITY
      ..HOLE MOBILITY
      .CHARGE DISTRIBUTION
      .DIELECTRIC PROPERTIES
      ..PERMITTIVITY
      .ELECTRIC MOMENTS
      .ELECTRICAL IMPEDANCE
      ..ELECTRICAL RESISTANCE
      ...CONTACT RESISTANCE
      ...SKIN RESISTANCE
      ...TRANSCONDUCTANCE
      ..REACTANCE
      .ELECTRICAL RESISTIVITY
      ..IONOSPHERIC CONDUCTIVITY
      ..MAGNETORESISTIVITY
      ..PHOTOCONDUCTIVITY
      ..PLASMA CONDUCTIVITY
      ..SUPERCONDUCTIVITY
      ...KONDO EFFECT
      .ELECTROSTRICTION
      .FERROELECTRICITY
      .INDUCTANCE
      ..PROXIMITY EFFECT (ELECTRICITY)
      .PHOTOVOLTAIC EFFECT
      .PIEZOELECTRICITY
      .PYROELECTRICITY
  RT % CONDUCTIVITY
      CRYSTAL OSCILLATORS
      DIAMAGNETISM
      DIPOLE MOMENTS
      DOMAINS
      EDDY CURRENTS
      ELECTRIC CHARGE
    % ELECTRIC POWER
      ELECTRICITY
      ELECTROMAGNETIC PROPERTIES
      FIELD STRENGTH
      HYSTERESIS
      IMPEDANCE
      MAGNETIC PROPERTIES
      OPEN CIRCUIT VOLTAGE
      OPTICAL PROPERTIES
      PHOTOELECTRIC EMISSION
```

```
        PHOTOELECTRICITY
      % PHYSICAL PROPERTIES
      % PROPERTIES
        QUALITY CONTROL
      % RESISTANCE
      % SOLID STATE PHYSICS
        STANDING WAVE RATIOS

ELECTRICAL RESISTANCE
  1001 2302 2304 3408
  GS    ELECTRICAL PROPERTIES
        .ELECTRICAL IMPEDANCE
        .#ELECTRICAL RESISTANCE
        ...CONTACT RESISTANCE
        ...SKIN RESISTANCE
        ...TRANSCONDUCTANCE
        IMPEDANCE
        .ELECTRICAL IMPEDANCE
        .#ELECTRICAL RESISTANCE
        ...CONTACT RESISTANCE
        ...SKIN RESISTANCE
        ...TRANSCONDUCTANCE
  RT    GALVANIC SKIN RESPONSE
      % HIGH RESISTANCE
        LINEAR CIRCUITS
      % LOW RESISTANCE
        MANGANIN (TRADEMARK)
        OHMMETERS
        OHMS LAW
        RC CIRCUITS
        REACTANCE
      % RESISTANCE
        RL CIRCUITS
        RLC CIRCUITS

ELECTRICAL RESISTIVITY
  2304 2304
  UF    ELECTRICAL CONDUCTIVITY
        ELECTROCONDUCTIVITY
        RESISTIVITY
  GS    ELECTRICAL PROPERTIES
        #ELECTRICAL RESISTIVITY
        ..IONOSPHERIC CONDUCTIVITY
        ..MAGNETORESISTIVITY
        ..PHOTOCONDUCTIVITY
        ..PLASMA CONDUCTIVITY
        ..SUPERCONDUCTIVITY
        ...KONDO EFFECT
        TRANSPORT PROPERTIES
        #ELECTRICAL RESISTIVITY
        ..IONOSPHERIC CONDUCTIVITY
        ..MAGNETORESISTIVITY
        ..PHOTOCONDUCTIVITY
        ..PLASMA CONDUCTIVITY
        ..SUPERCONDUCTIVITY
        ...KONDO EFFECT
  RT    AIR CONDUCTIVITY
        ATMOSPHERIC CONDUCTIVITY
        CARRIER MOBILITY
      % CONDUCTIVITY
        ELECTRIC CONDUCTORS
        ELECTRIC CURRENT
        ELECTROMIGRATION
        HIGH TEMPERATURE SUPERCONDUCTORS
        LOW CONDUCTIVITY
        OPEN CIRCUIT VOLTAGE
        PLASMA CURRENTS
      % RESISTANCE

ELECTRICALLY SUSPENDED GYROSCOPES
  USE   ELECTROSTATIC GYROSCOPES

ELECTRICITY
  2304
  GS    #ELECTRICITY
        .ALTERNATING CURRENT
        .ATMOSPHERIC ELECTRICITY
        ..IONOSPHERIC CURRENTS
        ...BIRKELAND CURRENTS
        ...ELECTROJETS
        ....AURORAL ELECTROJETS
        ....EQUATORIAL ELECTROJET
        .GEOELECTRICITY
        ..TELLURIC CURRENTS
        .HYDROELECTRICITY
        .STATIC ELECTRICITY
  RT    ELECTRIC CURRENT
      % ELECTRIC EQUIPMENT
      % ELECTRIC POWER
        ELECTRICAL PROPERTIES
        ELECTROMAGNETISM
      % ELECTRONICS
        LIGHTNING
        MAXWELL EQUATION
        OHMS LAW
        PHOTOELECTRICITY
        PIEZOELECTRICITY
        PROXIMITY EFFECT (ELECTRICITY)

ELECTRIFICATION
  2304 2403 3407
  RT % ELECTRIC POWER
       ELECTRIC POWER TRANSMISSION
     % POWER TRANSMISSION
       TRANSMISSION LINES

ELECTRO-OPTICAL EFFECT
  2310
  RT % EFFECTS
     % KERR EFFECTS
       LIGHT MODULATION
       NONLINEAR OPTICS
     % OPTICS

ELECTRO-OPTICAL PHOTOGRAPHY
  2310
  UF    ELECTRONIC PHOTOGRAPHY
  GS    IMAGERY
        #ELECTRO-OPTICAL PHOTOGRAPHY
        PHOTOGRAPHY
        #ELECTRO-OPTICAL PHOTOGRAPHY
  RT    ASTRONOMICAL PHOTOGRAPHY
        BLACK AND WHITE PHOTOGRAPHY
        IMAGE RESOLUTION
        LALLEMAND CAMERAS
        OPTICAL MEASUREMENT
      % OPTICS
        STREAK PHOTOGRAPHY

ELECTRO-OPTICAL SWITCHING
  USE   OPTICAL SWITCHING

ELECTRO-OPTICS
  2304 2306 2310 2402
  GS    ELECTROPHYSICS
        #ELECTRO-OPTICS
  RT    ACOUSTO-OPTICS
        BIREFRINGENCE
        CHARGE INJECTION DEVICES
        ELECTROCHROMISM
        ELECTROLUMINESCENCE
        ELECTRON OPTICS
        INTEGRATED OPTICS
        KERR ELECTROOPTICAL EFFECT
        LASER MICROSCOPY
        LIGHT VALVES
        MAGNETO-OPTICS
        OPTICAL COMPUTERS
        OPTICAL CONTROL
        OPTICAL RELAY SYSTEMS
        OPTICAL SWITCHING
      % OPTICS
        OPTOELECTRONIC DEVICES
        PHOTONICS
        POSITION SENSING
        PUSHBROOM SENSOR MODES
        STARK EFFECT

ELECTROACOUSTIC TRANSDUCERS
  2301 2304 2402
  GS    TRANSDUCERS
        .SOUND TRANSDUCERS
        .#ELECTROACOUSTIC TRANSDUCERS
        ...HYDROPHONES
        ...LOUDSPEAKERS
```

...MICROPHONES
RT ELECTROACOUSTICS
INTERDIGITAL TRANSDUCERS
SURFACE ACOUSTIC WAVE DEVICES

ELECTROACOUSTIC WAVES
2301 2304 2402
GS ELASTIC WAVES
.SOUND WAVES
.#ELECTROACOUSTIC WAVES
RT ELECTROACOUSTICS
ELECTROMAGNETIC RADIATION
PLASMA WAVES
PRESSURE SENSORS
WAVE INTERACTION
% WAVES

ELECTROACOUSTICS
1202
GS ACOUSTICS
#ELECTROACOUSTICS
RT ELECTROACOUSTIC TRANSDUCERS
ELECTROACOUSTIC WAVES
SOUND TRANSDUCERS
SURFACE ACOUSTIC WAVE DEVICES
ULTRASONIC WAVE TRANSDUCERS
ULTRASONICS

ELECTROANESTHESIA
0405 0408
GS ANESTHESIA
#ELECTROANESTHESIA
RT ELECTRONARCOSIS

ELECTROCARDIOGRAMS
USE ELECTROCARDIOGRAPHY

ELECTROCARDIOGRAPHY
0401 0405 0501
UF ELECTROCARDIOGRAMS
GS BIOENGINEERING
.BIOMETRICS
..CARDIOGRAPHY
..#ELECTROCARDIOGRAPHY
RT BALLISTOCARDIOGRAPHY
BODY MEASUREMENT (BIOLOGY)
ELECTROPHYSIOLOGY
HEART DISEASES
MEDICAL ELECTRONICS
MUSCLES
PHONOCARDIOGRAPHY
VECTORCARDIOGRAPHY

ELECTROCATALYSTS
0302
UF FUEL CELL CATALYSTS
GS CATALYSTS
#ELECTROCATALYSTS
RT FUEL CELLS

ELECTROCHEMICAL CELLS
0302 0604
GS #ELECTROCHEMICAL CELLS
.ELECTRIC BATTERIES
..LITHIUM SULFUR BATTERIES
..NICKEL IRON BATTERIES
..PRIMARY BATTERIES
...ALKALINE BATTERIES
...DRY CELLS
....MAGNESIUM CELLS
....NICKEL ZINC BATTERIES
...METAL AIR BATTERIES
....ZINC-OXYGEN BATTERIES
...SODIUM SULFUR BATTERIES
...THERMAL BATTERIES
..REDOX CELLS
..STORAGE BATTERIES
...LEAD ACID BATTERIES
...NICKEL CADMIUM BATTERIES
...NICKEL HYDROGEN BATTERIES
...NICKEL ZINC BATTERIES
...SILVER CADMIUM BATTERIES
...SILVER HYDROGEN BATTERIES
...SILVER ZINC BATTERIES
...ZINC-BROMIDE BATTERIES
...ZINC-CHLORINE BATTERIES
..WET CELLS
.FUEL CELLS
..BIOCHEMICAL FUEL CELLS
..HYDROGEN OXYGEN FUEL CELLS
..PHOSPHORIC ACID FUEL CELLS
..REGENERATIVE FUEL CELLS
RT % CELLS
% ELECTRIC CELLS
ELECTROCHEMISTRY
PHOTOELECTRIC CELLS
PHOTOELECTROCHEMICAL DEVICES
PHOTOVOLTAIC CELLS

ELECTROCHEMICAL CORROSION
0604 1702
GS CORROSION
#ELECTROCHEMICAL CORROSION
RT ELECTRODISSOLUTION
ELECTROLYSIS
METAL-WATER REACTIONS

ELECTROCHEMICAL MACHINING
0604 1504 1704
UF ELECTROLYTIC GRINDING
GS MACHINING
.CHEMICAL MACHINING
.#ELECTROCHEMICAL MACHINING
RT ELECTROPOLISHING

ELECTROCHEMICAL OXIDATION
0602 0604
GS CHEMICAL REACTIONS
.OXIDATION
.#ELECTROCHEMICAL OXIDATION

ELECTROCHEMISTRY
0603 0604 2304
GS #ELECTROCHEMISTRY
.ELECTROLYSIS
..COULOMETRY
.PHOTOELECTROCHEMISTRY
RT % CHEMISTRY
CORROSION
COULOMETERS
ELECTROCHEMICAL CELLS
ELECTROCHROMISM
ELECTRODEPOSITION
ELECTRODES
ELECTRODISSOLUTION
ELECTROLYTES
ELECTROLYTIC CELLS
ELECTROPHYSICS
FUEL CELLS
GLASS ELECTRODES
NONAQUEOUS ELECTROLYTES
OXIDATION-REDUCTION REACTIONS
REDOX CELLS

ELECTROCHROMISM
0603
RT COLOR
DISPLAY DEVICES
ELECTRO-OPTICS
ELECTROCHEMISTRY
THIN FILMS

ELECTROCONDUCTIVITY
USE ELECTRICAL RESISTIVITY

ELECTROCUTANEOUS COMMUNICATION
0702
GS COMMUNICATING
#ELECTROCUTANEOUS COMMUNICATION
RT PERCEPTION
SENSORY PERCEPTION
TOUCH

ELECTRODE FILM BARRIERS
0604 0904 1504 1702 1802 2502

RT % BARRIERS
ELECTRODES
% FILMS
POLARIZATION (CHARGE SEPARATION)
THIN FILMS

ELECTRODE MATERIALS
RT ANIONS
ANODES
ANODIC COATINGS
CATHODES
CATHODIC COATINGS
CELL ANODES
CELL CATHODES
ELECTRODES
PHOTOCATHODES
PHOTOELECTRIC CELLS
PHOTOELECTRIC MATERIALS
PHOTOELECTROCHEMICAL DEVICES
TUBE ANODES

ELECTRODELESS DISCHARGES
0604 2304 2502
GS ELECTRIC CURRENT
.ELECTRIC DISCHARGES
.#ELECTRODELESS DISCHARGES
RT % DISCHARGE
GAS DISCHARGES
GLOW DISCHARGES
LIGHTNING
PENNING DISCHARGE
RADIO FREQUENCY DISCHARGE
RING DISCHARGE
TOROIDAL DISCHARGE
TOWNSEND DISCHARGE

ELECTRODEPOSITION
0604 1704
GS DEPOSITION
#ELECTRODEPOSITION
..ELECTROPLATING
RT CATHODIC COATINGS
CELL CATHODES
COULOMETERS
ELECTROCHEMISTRY
ELECTROFORMING
ELECTROLESS DEPOSITION
ELECTROLYSIS
ELECTROLYTES
ELECTROLYTIC CELLS
ELECTROPHORESIS
ELECTROWINNING
METAL MATRIX COMPOSITES
METAL POWDER
PLATING
POWDER METALLURGY
REDUCTION (CHEMISTRY)

ELECTRODERMAL RESPONSE
USE GALVANIC SKIN RESPONSE

ELECTRODES
0604 0904 0905 0906 1504 2304
GS #ELECTRODES
.ANODES
..CELL ANODES
..SHELL ANODES
..TUBE ANODES
.CATHODES
..CELL CATHODES
..HOLLOW CATHODES
..TUBE CATHODES
...COLD CATHODES
...HOT CATHODES
...PHOTOCATHODES
...THERMIONIC CATHODES
...TUNNEL CATHODES
.DIFFUSION ELECTRODES
.DYNODES
.GLASS ELECTRODES
.IMPLANTED ELECTRODES (BIOLOGY)
.ION SELECTIVE ELECTRODES
.PLASMA ELECTRODES
.SOLID ELECTRODES
.TUBE GRIDS
RT COLD CATHODE TUBES
ELECTRIC BATTERIES
ELECTROCHEMISTRY
ELECTRODE FILM BARRIERS
ELECTRODE MATERIALS
ELECTROLYSIS
ELECTROPLATING
ELECTROREFINING
ELECTROWINNING
GRAPHITE
PHOTOMULTIPLIER TUBES
PHOTOTUBES
TAFEL LAW
TRANSCONDUCTANCE

ELECTRODIALYSIS
0602 0604
GS DIALYSIS
#ELECTRODIALYSIS
RT COLLOIDS
HYDROMETALLURGY
% SEPARATION

ELECTRODISSOLUTION
0602 0603 0604 2304
RT DISSOCIATION
ELECTROCHEMICAL CORROSION
ELECTROCHEMISTRY
ELECTROLYSIS

ELECTRODYNAMICS
1002 2304 2307
GS #ELECTRODYNAMICS
.ELECTROHYDRODYNAMICS
.ELECTROMECHANICS
.QUANTUM ELECTRODYNAMICS
RT BORN-INFELD THEORY
% DYNAMICS
ELECTRIC FIELDS
ELECTROMAGNETIC INTERACTIONS
ELECTROMECHANICAL DEVICES
LINE CURRENT
MAXWELL EQUATION
PONDEROMOTIVE FORCES
TRAVELING CHARGE

ELECTRODYNAMOMETERS
USE DYNAMOMETERS

ELECTROENCEPHALOGRAM
USE ELECTROENCEPHALOGRAPHY

ELECTROENCEPHALOGRAPHY
0405 0501
UF EEG (ELECTROENCEPHALOGRAMS)
ELECTROENCEPHALOGRAM
GS BIOENGINEERING
.BIOMETRICS
.#ELECTROENCEPHALOGRAPHY
RT AROUSAL
BODY MEASUREMENT (BIOLOGY)
BRAIN
ELECTROPHYSIOLOGY
MEDICAL ELECTRONICS
MEDICAL EQUIPMENT

ELECTROEPITAXY
2601
GS GROWTH
.CRYSTAL GROWTH
..EPITAXY
..#ELECTROEPITAXY
RT CRYSTALS
HYDROTHERMAL CRYSTAL GROWTH
LIQUID PHASES
TRAVELING SOLVENT METHOD

ELECTROEROSION
USE SPARK MACHINING

ELECTROEXPLOSIVE DEVICES
USE INITIATORS (EXPLOSIVES)

ELECTROFORMING
0604 1507 1704
GS FORMING TECHNIQUES
#ELECTROFORMING
RT DEPOSITION
ELECTRODEPOSITION
ELECTROLESS DEPOSITION
ELECTROPLATING
SPARK MACHINING

ELECTROGENERATORS
USE ELECTRIC GENERATORS

ELECTROHYDRAULIC CONTROL
USE ELECTRIC CONTROL
HYDRAULIC CONTROL

ELECTROHYDRAULIC FORMING
0303 1507 1704
GS FORMING TECHNIQUES
.COLD WORKING
.#ELECTROHYDRAULIC FORMING
RT EXPLOSIVE FORMING
METAL WORKING

ELECTROHYDRODYNAMICS
1202 2304
GS ELECTRODYNAMICS
#ELECTROHYDRODYNAMICS
FLUID MECHANICS
.FLUID DYNAMICS
..HYDRODYNAMICS
..#ELECTROHYDRODYNAMICS
.HYDROMECHANICS
..HYDRODYNAMICS
..#ELECTROHYDRODYNAMICS
RT ELECTRIC CORONA
ELECTROKINETICS
ELECTRON GAS
ELECTRON MOBILITY
ION DISTRIBUTION
IONIC MOBILITY
MAGNETOHYDRODYNAMICS

ELECTROJETS
1302 1307 1308 2002 2304
GS ELECTRIC CURRENT
.IONOSPHERIC CURRENTS
.#ELECTROJETS
...AURORAL ELECTROJETS
...EQUATORIAL ELECTROJET
ELECTRICITY
.ATMOSPHERIC ELECTRICITY
..IONOSPHERIC CURRENTS
..#ELECTROJETS
....AURORAL ELECTROJETS
....EQUATORIAL ELECTROJET
RT BIRKELAND CURRENTS
EARTH IONOSPHERE
GEOMAGNETISM
IONOSPHERIC CONDUCTIVITY
IONOSPHERIC DRIFT
RING CURRENTS

ELECTROKINETICS
2304 2307 2308 2403
GS KINETICS
#ELECTROKINETICS
RT ELECTROHYDRODYNAMICS
ELECTROMAGNETIC FIELDS
ELECTROMECHANICS
ELECTROPHYSICS

ELECTROLESS DEPOSITION
1802
GS DEPOSITION
#ELECTROLESS DEPOSITION
RT COATINGS
ELECTRODEPOSITION
ELECTROFORMING
METAL COATINGS
PLATING
VACUUM DEPOSITION
VAPOR DEPOSITION

ELECTROLUMINESCENCE
0605 1203 2304 2306 2402
UF ELECTROLUMINESCENT LAMPS
GS EMISSION
.LIGHT EMISSION
..LUMINESCENCE
..#ELECTROLUMINESCENCE
RT ELECTRO-OPTICS
LIGHT EMITTING DIODES
LIGHT SOURCES

ELECTROLUMINESCENT LAMPS
USE ELECTROLUMINESCENCE
LUMINAIRES

ELECTROLYSIS
0602 0604
GS ELECTROCHEMISTRY
#ELECTROLYSIS
..COULOMETRY
RT CORROSION
COULOMETERS
CRACKING (CHEMICAL ENGINEERING)
CURRENT DENSITY
DECOMPOSITION
ELECTROCHEMICAL CORROSION
ELECTRODEPOSITION
ELECTRODES
ELECTRODISSOLUTION
ELECTROLYTES
ELECTROLYTIC CELLS
ELECTROPLATING
HYDROGEN PRODUCTION
IONIC MOBILITY
METATHESIS
PASSIVITY
PHOTOLYSIS
REDUCTION (CHEMISTRY)
TAFEL LAW
WATER SPLITTING

ELECTROLYTE METABOLISM
0404 0408
GS METABOLISM
#ELECTROLYTE METABOLISM
RT AEROSPACE MEDICINE
ALDOSTERONE
BLOOD PLASMA
BODY FLUIDS
PHYSIOLOGICAL EFFECTS
POTASSIUM
SODIUM
WEIGHTLESSNESS

ELECTROLYTES
0604 1703 1802 1807 2304
GS CONDUCTORS
#ELECTROLYTES
..ANOLYTES
..CATHOLYTES
..ION EXCHANGE MEMBRANE ELECTROLYTES
..JUMPERS
..MOLTEN SALT ELECTROLYTES
..NONAQUEOUS ELECTROLYTES
..SOLID ELECTROLYTES
RT CONDUCTING FLUIDS
DEBYE-HUCKEL THEORY
ELECTRIC BATTERIES
ELECTROCHEMISTRY
ELECTRODEPOSITION
ELECTROLYSIS
ELECTROLYTIC CELLS
ELECTROPLATING
ELECTROREFINING
ELECTROWINNING
FUEL CELLS

IONS
NONELECTROLYTES
PRIMARY BATTERIES
REDOX CELLS
STORAGE BATTERIES
WET CELLS

ELECTROLYTIC CELLS
0604 2304
UF GALVANIC CELLS
RT % CELLS
% DIAPHRAGMS
DIAPHRAGMS (MECHANICS)
DIFFUSION ELECTRODES
ELECTRIC BATTERIES
% ELECTRIC CELLS
ELECTROCHEMISTRY
ELECTRODEPOSITION
ELECTROLYSIS
ELECTROLYTES
ELECTROPLATING
ELECTROREFINING
ELECTROWINNING
IONIC MOBILITY
LEAD ACID BATTERIES
NONAQUEOUS ELECTROLYTES
PHOSPHORIC ACID FUEL CELLS

ELECTROLYTIC GRINDING
USE ELECTROCHEMICAL MACHINING

ELECTROLYTIC POLARIZATION
0602 0604 2304
GS POLARIZATION (CHARGE SEPARATION)
#ELECTROLYTIC POLARIZATION
RT DEPOLARIZATION
MAGNESIUM CELLS

ELECTROLYTIC POLISHING
USE ELECTROPOLISHING

ELECTROMAGNETIC ABSORPTION
1203 1411 2306 2402
UF IONOSPHERIC ABSORPTION
LIGHT ABSORPTION
MAGNETIC ABSORPTION
OPTICAL ABSORPTION
GS ENERGY ABSORPTION
.RADIATION ABSORPTION
.#ELECTROMAGNETIC ABSORPTION
...AURORAL ABSORPTION
...GAMMA RAY ABSORPTION
...INFRARED ABSORPTION
...MICROWAVE ABSORPTION
...MULTIPHOTON ABSORPTION
...PHOTOABSORPTION
...POLAR CAP ABSORPTION
...ULTRAVIOLET ABSORPTION
...X RAY ABSORPTION
RT ABSORBERS (MATERIALS)
ABSORPTANCE
% ABSORPTION
ABSORPTION SPECTRA
ABSORPTIVITY
ACTIVATION
ATMOSPHERIC ATTENUATION
ATTENUATION
BEER LAW
BOUGUER LAW
CHANDRASEKHAR EQUATION
ELECTROMAGNETIC PROPERTIES
EXCITATION
FADING
FLUORESCENCE
GAMMA RAY ABSORPTIOMETRY
IRRADIATION
LASER INDUCED FLUORESCENCE
LIGHT SCATTERING
MOLECULAR ABSORPTION
MOSSBAUER EFFECT
NUCLEAR PHYSICS
OPACITY
OPTICAL PROPERTIES
OPTICAL REFLECTION
PAIR PRODUCTION
PHOTODECOMPOSITION
PHOTODISSOCIATION
PHOTON ABSORPTIOMETRY
PHOTOPRODUCTION
RADAR ABSORBERS
RADAR ATTENUATION
RADIATION SHIELDING
RADIO ATTENUATION
REFLECTION
RESONANT FREQUENCIES
SIGNAL FADING
SOLAR ENERGY ABSORBERS
TOWNSEND AVALANCHE
TRANSMISSION
TRANSMITTANCE
TRANSPARENCE
WAVE ATTENUATION
WAVE PROPAGATION

ELECTROMAGNETIC ACCELERATION
0101
RT % ACCELERATION
ELECTROMAGNETIC INTERACTIONS
MAGNETIC FIELDS
MASS DRIVERS
PARTICLE ACCELERATION
PLASMA ACCELERATORS

ELECTROMAGNETIC COMPATIBILITY
0303 0904 0905 2402
GS COMPATIBILITY
#ELECTROMAGNETIC COMPATIBILITY
RT ATMOSPHERICS
CROSSTALK
ELECTRONIC COUNTERMEASURES
ELECTRONIC WARFARE
% INTERFERENCE
NOISE SPECTRA
RADIO FREQUENCY INTERFERENCE

ELECTROMAGNETIC CONTROL
USE ELECTROMAGNETS
REMOTE CONTROL

ELECTROMAGNETIC COUPLING
2309 2310
GS COUPLING
#ELECTROMAGNETIC COUPLING
..MICROWAVE COUPLING
..OPTICAL COUPLING
RT ELECTROMAGNETIC INTERACTIONS
LASER PLASMA INTERACTIONS
MAGNETOSPHERE-IONOSPHERE COUPLING
PLASMA-ELECTROMAGNETIC INTERACTION

ELECTROMAGNETIC DEDUCTION
USE MAGNETIC INDUCTION

ELECTROMAGNETIC ENVIRONMENT EXPERIMENT
2304
GS PAYLOADS
.SPACE SHUTTLE PAYLOADS
.#ELECTROMAGNETIC ENVIRONMENT EXPERIMENT

ELECTROMAGNETIC FIELDS
1406 2304 2307 2402 2403 2903
GS #ELECTROMAGNETIC FIELDS
.FAR FIELDS
.NEAR FIELDS
.SYSTEM GENERATED ELECTROMAGNETIC PULSES
RT ABRIKOSOV THEORY
BIOMAGNETISM
BLACKOUT (PROPAGATION)
ELECTROKINETICS
ELECTROMAGNETISM
ELECTROMECHANICS
EXTERNAL SURFACE CURRENTS
FIELD MODE THEORY

FIELD STRENGTH
FIELD THEORY (PHYSICS)
GRAND UNIFIED THEORY
MAGNETIC FIELD CONFIGURATIONS
MAGNETIC FIELD INVERSIONS
MAGNETIC FIELDS
QUANTUM ELECTRODYNAMICS
RECIPROCITY THEOREM
SOLAR MAGNETIC FIELD
SOMMERFELD APPROXIMATION
SQUEEZED STATES (QUANTUM THEORY)
STELLAR MAGNETIC FIELDS
UNIFIED FIELD THEORY
WHISTLERS
YANG-MILLS FIELDS

ELECTROMAGNETIC HAMMERS
1504 1704
GS HAMMERS
#ELECTROMAGNETIC HAMMERS
RT FORMING TECHNIQUES
MAGNETIC COILS
MAGNETIC FORMING
METAL WORKING

ELECTROMAGNETIC INTERACTIONS
0705 2306 2402 2403 2903
GS #ELECTROMAGNETIC INTERACTIONS
.PHOTOPRODUCTION
.PLASMA-ELECTROMAGNETIC INTERACTION
..LASER PLASMA INTERACTIONS
RT BIOMAGNETISM
ELECTRODYNAMICS
ELECTROMAGNETIC ACCELERATION
ELECTROMAGNETIC COUPLING
ELECTROSTATICS
ELEMENTARY PARTICLE INTERACTIONS
FEYNMAN DIAGRAMS
GRAND UNIFIED THEORY
% INTERACTIONS
MESON-MESON INTERACTIONS
PHOTONUCLEAR REACTIONS
PLASMA RESONANCE
QUANTUM MECHANICS
UNIFIED FIELD THEORY
WAVE INTERACTION
WAVE-PARTICLE INTERACTIONS

ELECTROMAGNETIC INTERFERENCE
1003
GS #ELECTROMAGNETIC INTERFERENCE
.CROSSTALK
..IONOSPHERIC CROSS MODULATION
.JAMMING
.RADIO FREQUENCY INTERFERENCE
..BLACKOUT (PROPAGATION)
...POLAR RADIO BLACKOUT
..CHIRP
...CHIRP SIGNALS
..ELECTROMAGNETIC NOISE
...ATMOSPHERICS
....IONOSPHERICS
.....DAWN CHORUS
.....HISS
....SUDDEN ENHANCEMENT OF ATMOSPHERICS
....WHISTLERS
...COSMIC NOISE
...IONOSPHERIC NOISE
....WHISTLERS
...SHOT NOISE
...WHITE NOISE
....THERMAL NOISE
..IONOSPHERIC CROSS MODULATION
RT % DISTURBANCES
ELECTRONIC COUNTERMEASURES
ELECTRONIC WARFARE
ENVIRONMENTS
FEEDBACK
GROUND EFFECT (COMMUNICATIONS)
% INTERFERENCE
INTERFERENCE IMMUNITY
NOISE REDUCTION
SCATHA SATELLITE
SIGNAL TO NOISE RATIOS
SYSTEM GENERATED ELECTROMAGNETIC PULSES

ELECTROMAGNETIC MEASUREMENT
0705 1404 1406 2402 3501
SN (MEASUREMENT OF ELECTROMAGNETIC PROPERTIES, QUANTITIES OR CONDITIONS)
GS #ELECTROMAGNETIC MEASUREMENT
.ELECTROMAGNETIC NOISE MEASUREMENT
RT BARKHAUSEN EFFECT
EARTH TERMINAL MEASUREMENT SYSTEM
ELECTRICAL MEASUREMENT
ELECTROMAGNETISM
INFRARED DETECTORS
MAGNETIC MEASUREMENT
MAGNETIC TRANSDUCERS
% MEASUREMENT
SIGNAL MEASUREMENT

ELECTROMAGNETIC MISSILES
0710 2402
RT ELECTRIC PULSES
EXTERNAL SURFACE CURRENTS
MISSILES
PICOSECOND PULSES
PULSE COMMUNICATION
PULSE MODULATION
WAVE ATTENUATION
WAVE DEGRADATION
WAVE PROPAGATION

ELECTROMAGNETIC NOISE
0704 2402 3501
UF RADIATION NOISE
RADIO FREQUENCY NOISE
GS ELECTROMAGNETIC INTERFERENCE
.RADIO FREQUENCY INTERFERENCE
.#ELECTROMAGNETIC NOISE
...ATMOSPHERICS
....IONOSPHERICS
.....DAWN CHORUS
.....HISS
....SUDDEN ENHANCEMENT OF ATMOSPHERICS
....WHISTLERS
...COSMIC NOISE
...IONOSPHERIC NOISE
....WHISTLERS
...SHOT NOISE
...WHITE NOISE
....THERMAL NOISE
RT BACKGROUND NOISE
BACKGROUND RADIATION
BLACKOUT (PROPAGATION)
CHANNEL NOISE
CHIRP SIGNALS
EXTRATERRESTRIAL RADIATION
GROUND EFFECT (COMMUNICATIONS)
MICROWAVES
MILLIMETER WAVES
% NOISE
NOISE GENERATORS
NOISE INTENSITY
NOISE REDUCTION
NOISE SPECTRA
NOISE STORMS
NOISE TEMPERATURE
RADAR RECEIVERS
% RADIATION
RADIO RECEIVERS
RADIO SPECTRA
RADIO WAVES
RANDOM NOISE
SIGNAL TO NOISE RATIOS
SOLAR RADIO EMISSION
SQUELCH CIRCUITS
SUBMILLIMETER WAVES

ELECTROMAGNETIC NOISE MEASUREMENT

```
  0704 2301
  GS   ELECTROMAGNETIC MEASUREMENT
       #ELECTROMAGNETIC NOISE MEASUREMENT
  RT   COSMIC NOISE
     % MEASUREMENT
       THERMAL NOISE
       WHITE NOISE

ELECTROMAGNETIC PROPAGATION
  USE  ELECTROMAGNETIC WAVE TRANSMISSION

ELECTROMAGNETIC PROPERTIES
  2310
  GS  #ELECTROMAGNETIC PROPERTIES
       .FARADAY EFFECT
       .INDUCTANCE
       ..PROXIMITY EFFECT (ELECTRICITY)
       .KERR MAGNETOOPTICAL EFFECT
       .MAGNETORESISTIVITY
       .OPTICAL PROPERTIES
       ..ABSORPTANCE
       ..ABSORPTIVITY
       ..BIREFRINGENCE
       ...KERR ELECTROOPTICAL EFFECT
       ..BRIGHTNESS
       ..BRIGHTNESS DISTRIBUTION
       ..COLOR
       ...IRIDESCENCE
       ...WATER COLOR
       ..DICHROISM
       ..LUMINOSITY
       ...STELLAR LUMINOSITY
       ..OPACITY
       ..OPTICAL BISTABILITY
       ..OPTICAL REFLECTION
       ..PHOSPHORESCENCE
       ..PHOTOCONDUCTIVITY
       ..PHOTOVISCOELASTICITY
       ..RADIANCE
       ..REFLECTANCE
       ...BIDIRECTIONAL REFLECTANCE
       ...SPECTRAL REFLECTANCE
       ..REFRACTIVITY
       ..SKY BRIGHTNESS
       ..STIGMATISM
       ..TRANSLUCENCE
       ..TRANSMISSIVITY
       ..TRANSMITTANCE
       ..TRANSPARENCE
       ..TURBIDITY
       .PHOTOELASTICITY
       ..PHOTOVISCOELASTICITY
  RT   CARRIER MOBILITY
       CLARITY
       ELECTRICAL PROPERTIES
       ELECTROMAGNETIC ABSORPTION
       GAMMA RAY ABSORPTION
       GYROTROPISM
       MAGNETIC PROPERTIES
     % PHYSICAL PROPERTIES
       POLARIZATION (WAVES)
     % PROPERTIES

ELECTROMAGNETIC PROPULSION
  2402 2803 2808
  GS   PROPULSION
       .ELECTRIC PROPULSION
       .#ELECTROMAGNETIC PROPULSION
       .LOW THRUST PROPULSION
       .#ELECTROMAGNETIC PROPULSION
       .SPACECRAFT PROPULSION
       .#ELECTROMAGNETIC PROPULSION
  RT   ELECTROSTATIC PROPULSION
       ION PROPULSION
       MASS DRIVERS
       PHOTONIC PROPULSION
       PLASMA PROPULSION

ELECTROMAGNETIC PULSES
  2304 3009
  GS   ELECTROMAGNETIC RADIATION
       #ELECTROMAGNETIC PULSES
       ..SYSTEM GENERATED ELECTROMAGNETIC
         PULSES
       PULSED RADIATION
       #ELECTROMAGNETIC PULSES
       ..SYSTEM GENERATED ELECTROMAGNETIC
         PULSES
       PULSES
       #ELECTROMAGNETIC PULSES
       ..SYSTEM GENERATED ELECTROMAGNETIC
         PULSES
  RT   ELECTRIC PULSES
       EXTERNAL SURFACE CURRENTS
       PICOSECOND PULSES
       PULSE COMMUNICATION
       PULSE MODULATION
       PULSE RADAR
       RADAR TRANSMISSION

ELECTROMAGNETIC PUMPS
  1501 2402 3404
  SN   (ENCOMPASSES DEVICES FOR MATERIALS
       HANDLING ONLY--EXCLUDES OPTICAL
       AND PARTICLE ENERGIZING DEVICES)
  GS   PUMPS
       #ELECTROMAGNETIC PUMPS
  RT   FUEL PUMPS

ELECTROMAGNETIC RADIATION
  2304 2306 2402 2403 2901 2902 2903
  UF   ELECTROMAGNETIC WAVES
       WAVE RADIATION
  GS  #ELECTROMAGNETIC RADIATION
       .BREMSSTRAHLUNG
       .CERENKOV RADIATION
       .COHERENT ELECTROMAGNETIC RADIATION
       ..COHERENT LIGHT
       ..LASER BEAMS
       .DIFFRACTION RADIATION
       .ELECTROMAGNETIC PULSES
       ..SYSTEM GENERATED ELECTROMAGNETIC
         PULSES
       .ELECTROMAGNETIC SURFACE WAVES
       .GAMMA RAY BEAMS
       .GAMMA RAYS
       ..GAMMA RAY BURSTS
       .H WAVES
       .INFRARED RADIATION
       ..FAR INFRARED RADIATION
       ..NEAR INFRARED RADIATION
       .KILOMETRIC WAVES
       .LIGHT (VISIBLE RADIATION)
       ..COHERENT LIGHT
       ..GEGENSCHEIN
       ..POLARIZED LIGHT
       ..SKY RADIATION
       ...AIRGLOW
       ....GEOCORONAL EMISSIONS
       ....NIGHTGLOW
       ....TWILIGHT GLOW
       ...DAYGLOW
       ..SUNLIGHT
       ..ZODIACAL LIGHT
       .LIGHT BEAMS
       ..LASER BEAMS
       .MODULATED CONTINUOUS RADIATION
       .MONOCHROMATIC RADIATION
       .NONEQUILIBRIUM RADIATION
       .NONTHERMAL RADIATION
       ..CYCLOTRON RADIATION
       ...ION CYCLOTRON RADIATION
       ..SYNCHROTRON RADIATION
       .PHOTON BEAMS
       .PLANETARY RADIATION
       .PLASMONS
       .POLARIZED ELECTROMAGNETIC
        RADIATION
       ..POLARIZED LIGHT
       ..SYNCHROTRON RADIATION
       .RADIO WAVES
       ..DECAMETRIC WAVES
       ..EXTRATERRESTRIAL RADIO WAVES
       ...GALACTIC RADIO WAVES
       ...RADIO BURSTS
```

....SOLAR RADIO BURSTS
.....TYPE 2 BURSTS
.....TYPE 3 BURSTS
.....TYPE 4 BURSTS
.....TYPE 5 BURSTS
...SOLAR RADIO EMISSION
....SOLAR RADIO BURSTS
.....TYPE 2 BURSTS
.....TYPE 3 BURSTS
.....TYPE 4 BURSTS
.....TYPE 5 BURSTS
..LONG WAVE RADIATION
..RADIO EMISSION
...CN EMISSION
...HYDROXYL EMISSION
...RADIO BURSTS
....SOLAR RADIO BURSTS
.....TYPE 2 BURSTS
.....TYPE 3 BURSTS
.....TYPE 4 BURSTS
.....TYPE 5 BURSTS
...SOLAR RADIO EMISSION
....SOLAR RADIO BURSTS
.....TYPE 2 BURSTS
.....TYPE 3 BURSTS
.....TYPE 4 BURSTS
.....TYPE 5 BURSTS
..SHORT WAVE RADIATION
...MICROWAVES
....CENTIMETER WAVES
....DECIMETER WAVES
....MICROWAVE EMISSION
....MILLIMETER WAVES
...SUBMILLIMETER WAVES
..SKY WAVES
...WHISTLERS
.SOMMERFELD WAVES
.TERRESTRIAL RADIATION
.THERMAL RADIATION
..BLACK BODY RADIATION
..PHONON BEAMS
.TROPOSPHERIC RADIATION
.ULTRAVIOLET RADIATION
..EXTREME ULTRAVIOLET RADIATION
..FAR ULTRAVIOLET RADIATION
...LYMAN ALPHA RADIATION
...LYMAN BETA RADIATION
..NEAR ULTRAVIOLET RADIATION
..ULTRAVIOLET EMISSION
.X RAYS
..COSMIC X RAYS
..SOLAR X-RAYS
RT AEROSPACE ENVIRONMENTS
ANTENNAS
ATMOSPHERIC RADIATION
ATMOSPHERIC REFRACTION
BACKWARD WAVES
BEAMS (RADIATION)
COHERENT RADIATION
CONTINUOUS RADIATION
CORPUSCULAR RADIATION
COSMIC RAYS
CYLINDRICAL WAVES
DIFFRACTION
DOPPLER EFFECT
DUOCHROMATORS
ELECTROACOUSTIC WAVES
ELECTROMAGNETISM
EXTRATERRESTRIAL RADIATION
FAR FIELDS
FLUX (RATE)
FLUX DENSITY
GALACTIC RADIATION
GAMMA RAY ABSORPTION
GAUGE INVARIANCE
GLARE
HARMONIC RADIATION
INCIDENT RADIATION
INCOHERENT SCATTERING
INTERSTELLAR RADIATION
IONIZING RADIATION
KERR ELECTROOPTICAL EFFECT
LIGHT EMISSION
MAGNETO-OPTICS
NEAR FIELDS
NONLINEAR OPTICS
NUCLEAR RADIATION
PHASE VELOCITY
PHOTONS
PLANCKS CONSTANT
POLARIZED RADIATION
POYNTING THEOREM
% PROPAGATION
PROPAGATION VELOCITY
PULSED RADIATION
RADAR
% RADIATION
RADIATION CHEMISTRY
RADIATION DISTRIBUTION
RADIATION HAZARDS
RADIATION LAWS
RADIATION PRESSURE
RADIATION SOURCES
RADIATIVE TRANSFER
% RAYS
REFLECTED WAVES
REFLECTION
REFRACTED WAVES
RONCHI TEST
SCATTERING
SINE WAVES
SOLAR RADIATION
SOLITARY WAVES
SPECTRAL EMISSION
SPECTRAL ENERGY DISTRIBUTION
SPHERICAL WAVES
SPONTANEOUS EMISSION
STEFAN-BOLTZMANN LAW
STELLAR RADIATION
STRATOSPHERE RADIATION
TELECOMMUNICATION
THOMSON SCATTERING
TRANSMISSION
TRANSVERSE WAVES
TRAVELING WAVES
ULTRAVIOLET ASTRONOMY
VLF EMISSION RECORDERS
WAVE AMPLIFICATION
WAVE DISPERSION
WAVE GENERATION
% WAVES
WHISPERING GALLERY MODES
WHITE HOLES (ASTRONOMY)

ELECTROMAGNETIC SCATTERING
2306 2310 2402 2403
GS SCATTERING
.WAVE SCATTERING
.#ELECTROMAGNETIC SCATTERING
...IONOSPHERIC F-SCATTER PROPAGATION
...LIGHT SCATTERING
....HALOS
...MICROWAVE SCATTERING
...MIE SCATTERING
....RAYLEIGH SCATTERING
...RAMAN SPECTRA
...THOMSON SCATTERING
...X RAY SCATTERING
RT ATMOSPHERIC ATTENUATION
ATMOSPHERIC SCATTERING
MAGNETIC DISPERSION
RECIPROCITY THEOREM

ELECTROMAGNETIC SHIELDING
0508 1504 2402 3404
GS SHIELDING
#ELECTROMAGNETIC SHIELDING
..RADIO FREQUENCY SHIELDING
RT MAGNETIC SHIELDING
RADIATION SHIELDING

ELECTROMAGNETIC SPECTRA
2402 2903
GS SPECTRA

.RADIATION SPECTRA
.#ELECTROMAGNETIC SPECTRA
...GAMMA RAY SPECTRA
...INFRARED SPECTRA
...LINE SPECTRA
....BALMER SERIES
....D LINES
....ELECTRONIC SPECTRA
....FRAUNHOFER LINES
....H LINES
.....H ALPHA LINE
.....H BETA LINE
.....H GAMMA LINE
....K LINES
....LYMAN SPECTRA
....PASCHEN SERIES
....RYDBERG SERIES
....TELLURIC LINES
...RADIO SPECTRA
....MICROWAVE SPECTRA
...RAMAN SPECTRA
...STELLAR SPECTRA
....SOLAR SPECTRA
...UBV SPECTRA
...ULTRAVIOLET SPECTRA
...VIBRATIONAL SPECTRA
...VISIBLE SPECTRUM
...X RAY SPECTRA
RT ABSORPTION SPECTRA
ASTRONOMICAL SPECTROSCOPY
ELECTRONIC WARFARE
EMISSION SPECTRA
ENERGY SPECTRA
LIGHT (VISIBLE RADIATION)
MOLECULAR SPECTRA
NOISE SPECTRA
SPECTRAL CORRELATION
SPECTRAL RECONNAISSANCE

ELECTROMAGNETIC SURFACE WAVES
0705 0710 2306
GS ELECTROMAGNETIC RADIATION
#ELECTROMAGNETIC SURFACE WAVES
SURFACE WAVES
#ELECTROMAGNETIC SURFACE WAVES
RT DIELECTRICS
PROPAGATION MODES
RADIO WAVES
% SURFACES
WAVEGUIDES
% WAVES

ELECTROMAGNETIC WAVE FILTERS
0905 2402
GS #ELECTROMAGNETIC WAVE FILTERS
.BANDPASS FILTERS
..CRYSTAL FILTERS
..TRACKING FILTERS
.ELECTRIC FILTERS
..BANDSTOP FILTERS
..CRYSTAL FILTERS
..DIGITAL FILTERS
...FIR FILTERS
..MICROWAVE FILTERS
..RADAR FILTERS
..RADIO FILTERS
..TRACKING FILTERS
..WAVEGUIDE FILTERS
.MATCHED FILTERS
.OPTICAL FILTERS
..BIREFRINGENT FILTERS
..INFRARED FILTERS
..ULTRAVIOLET FILTERS
RT ABSORBERS (MATERIALS)
ADAPTIVE FILTERS
ATTENUATORS
CORRELATION DETECTION
% FILTERS
HIGH PASS FILTERS
LINEAR FILTERS
LOW PASS FILTERS
NONLINEAR FILTERS
SCREEN EFFECT

ELECTROMAGNETIC WAVE TRANSMISSION
0705 0710 2306 2402
UF ELECTROMAGNETIC PROPAGATION
GS TRANSMISSION
#ELECTROMAGNETIC WAVE TRANSMISSION
..LIGHT TRANSMISSION
...LIGHT SCATTERING
....HALOS
..RADAR TRANSMISSION
..RADIO TRANSMISSION
...DOUBLE SIDEBAND TRANSMISSION
...IONOSPHERIC PROPAGATION
....IONOSPHERIC F-SCATTER PROPAGATION
...MICROWAVE ATTENUATION
...MICROWAVE TRANSMISSION
...MULTIPATH TRANSMISSION
...SHORT WAVE RADIO TRANSMISSION
...SINGLE SIDEBAND TRANSMISSION
...SPREAD SPECTRUM TRANSMISSION
...TRANSEQUATORIAL PROPAGATION
...TRANSHORIZON RADIO PROPAGATION
..SCATTER PROPAGATION
...IONOSPHERIC F-SCATTER PROPAGATION
..TELEVISION TRANSMISSION
RT ATMOSPHERIC ATTENUATION
ATTENUATION
FERMAT PRINCIPLE
INCOHERENT SCATTERING
LOSSY MEDIA
MAGNETOIONICS
PLASMA DECAY
PLASMAGUIDES
RADAR ATTENUATION
RADIO ATTENUATION
RADOME MATERIALS
SCREEN EFFECT
TRANSMISSION EFFICIENCY
WAVE PROPAGATION
WHISPERING GALLERY MODES

ELECTROMAGNETIC WAVES
USE ELECTROMAGNETIC RADIATION

ELECTROMAGNETICS
USE ELECTROMAGNETISM

ELECTROMAGNETISM
2304 2307 2402
UF ELECTROMAGNETICS
GS #ELECTROMAGNETISM
.MAGNETOSTATICS
RT BARKHAUSEN EFFECT
ELECTRIC FIELDS
ELECTRICITY
ELECTROMAGNETIC FIELDS
ELECTROMAGNETIC MEASUREMENT
ELECTROMAGNETIC RADIATION
ELECTROMAGNETS
ELECTROPHYSICS
GRAND UNIFIED THEORY
MAGNET COILS
MAGNETIC COILS
MAGNETIC FIELD INVERSIONS
MAGNETIC FIELDS
MAGNETIC PROPERTIES
MAGNETORESISTIVITY
UNIFIED FIELD THEORY

ELECTROMAGNETS
2304 2307
UF ELECTROMAGNETIC CONTROL
GS MAGNETS
#ELECTROMAGNETS
..HIGH FIELD MAGNETS
..SUPERCONDUCTING MAGNETS
RT ELECTROMAGNETISM
FIELD COILS
MAGNET COILS
RACETRACKS (PARTICLE ACCELERATORS)

SOLENOIDS

ELECTROMECHANICAL DEVICES
0301 1504 3404
RT % ELECTRIC EQUIPMENT
ELECTRODYNAMICS
ELECTROMECHANICS
% EQUIPMENT
HOMOPOLAR GENERATORS

ELECTROMECHANICS
0301 1504 3404
GS ELECTRODYNAMICS
#ELECTROMECHANICS
RT CIRCUITS
ELECTRIC FIELDS
ELECTROKINETICS
ELECTROMAGNETIC FIELDS
ELECTROMECHANICAL DEVICES
ELECTROSTATICS
MAGNETIC FIELD INVERSIONS
MAGNETIC FIELDS
MAXWELL EQUATION
% MECHANICS (PHYSICS)

ELECTROMETERS
0905 1406 3501
GS MEASURING INSTRUMENTS
#ELECTROMETERS
RT ELECTRIC CHARGE
ELECTRICAL MEASUREMENT
ELECTRON COUNTERS
GALVANOMETERS
POTENTIOMETERS (INSTRUMENTS)
VOLTMETERS
WATTMETERS

ELECTROMIGRATION
0906 2304 2602 3407
RT ELECTRICAL RESISTIVITY
ELECTRON MOBILITY
HOLE MOBILITY
IONIC MOBILITY
POLARIZATION (CHARGE SEPARATION)
THERMOMIGRATION

ELECTROMOTIVE FORCES
2304
GS #ELECTROMOTIVE FORCES
.PONDEROMOTIVE FORCES
RT ELECTRIC BATTERIES
ELECTRIC GENERATORS
ELECTRIC POTENTIAL
OHMS LAW
OPEN CIRCUIT VOLTAGE

ELECTROMYOGRAMS
USE ELECTROMYOGRAPHY

ELECTROMYOGRAPHS
USE ELECTROMYOGRAPHY

ELECTROMYOGRAPHY
0405 0501
UF ELECTROMYOGRAMS
ELECTROMYOGRAPHS
GS BIOENGINEERING
.BIOMETRICS
.#ELECTROMYOGRAPHY
RT ELECTROPHYSIOLOGY
MEDICAL ELECTRONICS
MYOELECTRICITY

ELECTRON ACCELERATION
GS RATES (PER TIME)
.ACCELERATION (PHYSICS)
.#ELECTRON ACCELERATION
RT % ACCELERATION
COSMIC RAYS
ELECTRONS
EXTRATERRESTRIAL RADIATION
PARTICLE BEAMS
SOLAR COSMIC RAYS

ELECTRON ACCELERATORS
2403 2405 3404
GS PARTICLE ACCELERATORS
#ELECTRON ACCELERATORS
..BETATRONS
RT % ACCELERATORS
LINEAR ACCELERATORS
SYNCHROTRONS
VAN DE GRAAFF ACCELERATORS

ELECTRON AFFINITY
3408
GS AFFINITY
#ELECTRON AFFINITY
RT ANIONS
MOLECULAR IONS
NEGATIVE ELECTRON AFFINITY
SEMICONDUCTORS (MATERIALS)

ELECTRON ATTACHMENT
2304 2401 2404 2502 2603
GS #ELECTRON ATTACHMENT
.NUCLEOPHILES
RT % ATTACHMENT
GAS IONIZATION
IONIZATION

ELECTRON AVALANCHE
1002 1203 2401 2403
GS AVALANCHES
#ELECTRON AVALANCHE
RT CATT DEVICES
CHANNEL MULTIPLIERS
FREE ELECTRONS
GAS DISCHARGES
TOWNSEND AVALANCHE

ELECTRON BEAM WELDING
1507 1704
GS WELDING
.FUSION WELDING
.#ELECTRON BEAM WELDING
RT ARC WELDING
ELECTRIC WELDING
SPIKING

ELECTRON BEAMS
2401 2403 2502 2803
GS BEAMS (RADIATION)
.PARTICLE BEAMS
.#ELECTRON BEAMS
...RELATIVISTIC ELECTRON BEAMS
PARTICLES
.CORPUSCULAR RADIATION
..ELECTRON RADIATION
..#ELECTRON BEAMS
....RELATIVISTIC ELECTRON BEAMS
RT BEAM INJECTION
BEAM NEUTRALIZATION
BEAM PLASMA AMPLIFIERS
BETA PARTICLES
BRILLOUIN FLOW
DIFFRACTION RADIATION
ELECTRON CYCLOTRON HEATING
IONIZING RADIATION
MAGNETIC LENSES
MONOSCOPES
PLASMA JETS
SCALLOPING
SCANNING ELECTRON MICROSCOPY
TRANSMISSION ELECTRON MICROSCOPY

ELECTRON BOMBARDMENT
1002 1504 2402 2403 3404
RT % BOMBARDMENT
DEPOSITION
PARTICLE BEAMS
PLASMA JETS
RELATIVISTIC ELECTRON BEAMS
SPUTTERING

ELECTRON BUNCHING
1002 2402 2403
GS BUNCHING
#ELECTRON BUNCHING
RT CATCHERS
CONVECTION CURRENTS
KLYSTRONS
TRAVELING WAVE TUBES
VELOCITY MODULATION

ELECTRON CAPTURE
0603 2401 2403 2405
GS NUCLEAR REACTIONS
.NUCLEAR INTERACTIONS
..NUCLEAR CAPTURE
..#ELECTRON CAPTURE
..SPIN-ORBIT INTERACTIONS
..#ELECTRON CAPTURE
PARTICLE INTERACTIONS
.ELEMENTARY PARTICLE INTERACTIONS
..NUCLEAR CAPTURE
..#ELECTRON CAPTURE
.NUCLEAR INTERACTIONS
..NUCLEAR CAPTURE
..#ELECTRON CAPTURE
..SPIN-ORBIT INTERACTIONS
..#ELECTRON CAPTURE
SPIN
.SPIN-ORBIT INTERACTIONS
.#ELECTRON CAPTURE
RT CAPTURE EFFECT
MANY ELECTRON EFFECTS

ELECTRON CLOUDS
2401 2403
RT % CLOUDS
ORBITRONS
SPACE CHARGE

ELECTRON COLLISIONS
USE ELECTRON SCATTERING

ELECTRON COMPOUNDS
USE INTERMETALLICS

ELECTRON COUNTERS
1406 2402 2903
UF ELECTRON DETECTORS
GS MEASURING INSTRUMENTS
.COUNTERS
..RADIATION COUNTERS
..#ELECTRON COUNTERS
.RADIATION MEASURING INSTRUMENTS
..RADIATION COUNTERS
..#ELECTRON COUNTERS
RT ELECTROMETERS
IONIZATION CHAMBERS

ELECTRON CYCLOTRON HEATING
1504
GS HEATING
.PLASMA HEATING
.#ELECTRON CYCLOTRON HEATING
RT ELECTRON BEAMS
ELECTRON GUNS
KLYSTRONS
MAGNETIC PUMPING

ELECTRON DECAY RATE
2402 2403
GS RATES (PER TIME)
.DECAY RATES
.#ELECTRON DECAY RATE
RT MUONS
SECONDARY COSMIC RAYS

ELECTRON DENSITY (CONCENTRATION)
1302 2402 2403 2903
GS DENSITY (NUMBER/VOLUME)
.PARTICLE DENSITY (CONCENTRATION)
.#ELECTRON DENSITY (CONCENTRATION)
...CARRIER DENSITY (SOLID STATE)
...ELECTRON DENSITY PROFILES
...IONOSPHERIC ELECTRON DENSITY
...MAGNETOSPHERIC ELECTRON DENSITY
RT ATMOSPHERIC COMPOSITION
ATMOSPHERIC DENSITY
ATOM CONCENTRATION
FREE ELECTRONS
ION DENSITY (CONCENTRATION)
PLASMA DENSITY
PLASMA FREQUENCIES
RADIATION BELTS
SEMICONDUCTORS (MATERIALS)
SPACE DENSITY

ELECTRON DENSITY PROFILES
0802 1408 2003 2402 2403 2903
GS DENSITY (NUMBER/VOLUME)
.PARTICLE DENSITY (CONCENTRATION)
..ELECTRON DENSITY (CONCENTRATION)
..#ELECTRON DENSITY PROFILES
..ELECTRON DISTRIBUTION
..#ELECTRON DENSITY PROFILES
DISTRIBUTION (PROPERTY)
.ELECTRON DISTRIBUTION
.#ELECTRON DENSITY PROFILES
GRADIENTS
#ELECTRON DENSITY PROFILES
RT ANGULAR DISTRIBUTION
ATMOSPHERIC ELECTRICITY
ATMOSPHERIC IONIZATION

ELECTRON DETECTORS
USE ELECTRON COUNTERS

ELECTRON DIFFRACTION
2402 2403
GS DIFFRACTION
#ELECTRON DIFFRACTION
RT BRAGG ANGLE
DIFFRACTION RADIATION
X RAY DIFFRACTION

ELECTRON DIFFUSION
2402 2403
GS DIFFUSION
.PARTICLE DIFFUSION
.#ELECTRON DIFFUSION
RT AMBIPOLAR DIFFUSION
DIFFUSION LENGTH
DIFFUSION WAVES
GASEOUS SELF-DIFFUSION
IONIC DIFFUSION
PLASMA DIFFUSION
THERMAL DIFFUSION

ELECTRON DISTRIBUTION
2401 2403 2404 2405 3009
GS DENSITY (NUMBER/VOLUME)
.PARTICLE DENSITY (CONCENTRATION)
.#ELECTRON DISTRIBUTION
...ELECTRON DENSITY PROFILES
DISTRIBUTION (PROPERTY)
#ELECTRON DISTRIBUTION
..ELECTRON DENSITY PROFILES
RT CHARGE DISTRIBUTION
CURRENT DISTRIBUTION
THOMAS-FERMI MODEL
VERTICAL DISTRIBUTION

ELECTRON EMISSION
0604 0902 0905 1001 2304 2402
GS EMISSION
.PARTICLE EMISSION
.#ELECTRON EMISSION
...FIELD EMISSION
...PHOTOELECTRIC EMISSION
...SECONDARY EMISSION
RT CATHODES
ELECTRIC DISCHARGES
EMITTERS
NEGATIVE ELECTRON AFFINITY
PAIR PRODUCTION
PHOTOELECTRIC MATERIALS

PHOTOELECTRON SPECTROSCOPY
PHOTOELECTRONS
PHOTOIONIZATION
RADIO FREQUENCY DISCHARGE
SELF SUSTAINED EMISSION
STIMULATED EMISSION
THERMAL EMISSION
THERMIONIC EMISSION
THERMIONICS
WORK FUNCTIONS

ELECTRON ENERGY
0604 2304 2311 2402 2403
UF ELECTRON TEMPERATURE
ELECTRONIC LEVELS
GS PARTICLE ENERGY
#ELECTRON ENERGY
..ELECTRON STATES
RT ACTIVATION ENERGY
ELECTROSTATIC PROBES
% ENERGY
FORBIDDEN BANDS
HARTREE-FOCK-SLATER METHOD
INTERFACIAL ENERGY
IONOSPHERIC TEMPERATURE
KINETIC ENERGY
NOISE TEMPERATURE
PLASMAS (PHYSICS)
PROTON ENERGY
SPACE TEMPERATURE
SURFACE ENERGY
TEMPERATURE

ELECTRON FLUX
USE ELECTRONS
FLUX (RATE)

ELECTRON FLUX DENSITY
2401 2403 2903
SN (LIMITED TO ELECTRON EMISSION OR DETECTION RATE PER UNIT AREA)
UF ELECTRON INTENSITY
GS RATES (PER TIME)
.FLUX DENSITY
..RADIANT FLUX DENSITY
...PARTICLE FLUX DENSITY
...#ELECTRON FLUX DENSITY
RT IRRADIANCE
RADIANCY
SOLAR FLUX DENSITY

ELECTRON GAS
0604 1704 2403
RT COSMIC GASES
ELECTROHYDRODYNAMICS
FREE ELECTRONS
IONIZED GASES
PLASMONS
RAREFIED GASES
SCREEN EFFECT
SUPERCONDUCTORS

ELECTRON GUNS
0710 0905 1504 2403 3404
RT CATHODE RAY TUBES
CROSSED FIELD GUNS
ELECTRON CYCLOTRON HEATING
FLYING SPOT SCANNERS
% GUNS
MAGNETIC LENSES
PARTICLE ACCELERATORS
PLASMA GUNS
TUBE ANODES
TUBE CATHODES
TUBE GRIDS

ELECTRON HOLES
USE HOLES (ELECTRON DEFICIENCIES)

ELECTRON IMPACT
2403 3201
GS IMPACT
#ELECTRON IMPACT
RT ION IMPACT
POINT IMPACT
PROTON IMPACT

ELECTRON INTENSITY
USE ELECTRON FLUX DENSITY

ELECTRON INTERACTIONS
USE ELECTRON SCATTERING

ELECTRON IONIZATION
USE IONIZATION

ELECTRON IRRADIATION
1002 1504 2402 2403 3404
GS IRRADIATION
#ELECTRON IRRADIATION
RT AURORAL IRRADIATION
ION IRRADIATION
SECONDARY EMISSION

ELECTRON MASS
2402 2403
GS MASS
.PARTICLE MASS
.#ELECTRON MASS
RT ELECTRONS

ELECTRON MICROSCOPES
0501 1406 2310 2403 3404
GS MICROSCOPES
#ELECTRON MICROSCOPES
RT FIELD EMISSION
ION MICROSCOPES
MAGNETIC LENSES
MICROANALYSIS
OPTICAL MICROSCOPES
PHOTOMICROGRAPHY
REPLICAS
SCANNING ELECTRON MICROSCOPY
SCANNING TUNNELING MICROSCOPY

ELECTRON MICROSCOPY
1406
GS MICROSCOPY
#ELECTRON MICROSCOPY
..SCANNING ELECTRON MICROSCOPY
..SCANNING TUNNELING MICROSCOPY
..TRANSMISSION ELECTRON MICROSCOPY
RT FIELD EMISSION
ION MICROSCOPES
MAGNETIC LENSES
MICROANALYSIS
PHASE CONTRAST

ELECTRON MOBILITY
0604 2302 2403 2603
GS ELECTRICAL PROPERTIES
.CARRIER MOBILITY
.#ELECTRON MOBILITY
MOBILITY
.CARRIER MOBILITY
.#ELECTRON MOBILITY
TRANSPORT PROPERTIES
.CARRIER MOBILITY
.#ELECTRON MOBILITY
RT AMBIPOLAR DIFFUSION
ATOMIC MOBILITIES
CHARGE CARRIERS
ELECTROHYDRODYNAMICS
ELECTROMIGRATION
HIGH ELECTRON MOBILITY TRANSISTORS
HOLE MOBILITY
MAJORITY CARRIERS
MINORITY CARRIERS
MODULATION DOPING
NDM SEMICONDUCTOR DEVICES
SEMICONDUCTOR PLASMAS
% SOLID STATE PHYSICS
SQUARE WELLS

ELECTRON MULTIPLIERS

USE PHOTOMULTIPLIER TUBES

ELECTRON OPTICS
2307 2310 2402 2403
RT BEAM SWITCHING
BRILLOUIN FLOW
CATHODE RAY TUBES
ELECTRO-OPTICS
FLYING SPOT SCANNERS
% OPTICS
PARTICLE TRAJECTORIES
STEERING

ELECTRON ORBITALS
2401 2403 2404
GS ORBITALS
#ELECTRON ORBITALS
RT CONFIGURATION INTERACTION
EXCIMERS

ELECTRON OSCILLATIONS
2402 2403
GS OSCILLATIONS
#ELECTRON OSCILLATIONS
RT OSCILLATOR STRENGTHS
PLASMA OSCILLATIONS
TRANSIENT OSCILLATIONS

ELECTRON PARAMAGNETIC RESONANCE
1411 2310 2402 2403 2602
UF ELECTRON SPIN RESONANCE
GS RESONANCE
.MAGNETIC RESONANCE
..PARAMAGNETIC RESONANCE
..#ELECTRON PARAMAGNETIC RESONANCE
RT JAHN-TELLER EFFECT

ELECTRON PATHS
USE ELECTRON TRAJECTORIES

ELECTRON PHONON INTERACTIONS
0604 2402 2403
RT % INTERACTIONS
PARTICLE INTERACTIONS
PLASMA-PARTICLE INTERACTIONS
POLARONS
SUPERCONDUCTIVITY
THERMODYNAMIC COUPLING

ELECTRON PHOTOGRAPHY
0605 1407
GS IMAGERY
#ELECTRON PHOTOGRAPHY
PHOTOGRAPHY
#ELECTRON PHOTOGRAPHY
RT BLACK AND WHITE PHOTOGRAPHY

ELECTRON PHOTON CASCADES
0902 1001 1002 2402 2403
RT BREMSSTRAHLUNG
% CASCADES
COSMIC RAY SHOWERS
PAIR PRODUCTION
SECONDARY COSMIC RAYS

ELECTRON PLASMA
2402 2403 2502
GS PARTICLES
.CHARGED PARTICLES
..ENERGETIC PARTICLES
...PLASMAS (PHYSICS)
...#ELECTRON PLASMA
RT ELECTRON-POSITRON PLASMAS
HELIUM PLASMA
HIGH TEMPERATURE PLASMAS
LANDAU DAMPING
METALLIC PLASMAS
PLASMA WAVES
PLASMA-PARTICLE INTERACTIONS
RAREFIED PLASMAS
RELATIVISTIC PLASMAS
THERMAL PLASMAS

ELECTRON PRECIPITATION
1302 2402 2403
GS PARTICLE PRECIPITATION
#ELECTRON PRECIPITATION
PARTICLES
.CORPUSCULAR RADIATION
.#ELECTRON PRECIPITATION
RT AURORAS
% PRECIPITATION
PROTON PRECIPITATION
RADIATION BELTS
SECONDARY COSMIC RAYS
TRAPPED PARTICLES

ELECTRON PRESSURE
2403 3201
GS PRESSURE
.RADIATION PRESSURE
.#ELECTRON PRESSURE

ELECTRON PROBES
0601 1411 2402 2403
GS MEASURING INSTRUMENTS
#ELECTRON PROBES
RT CHEMICAL ANALYSIS
IRRADIATION
MICROWAVE PLASMA PROBES
SPECTROMETERS

ELECTRON PUMPING
1601 2404
RT ENERGY TRANSFER
EXCIMER LASERS
GAS LASERS
LASERS
NUCLEAR PUMPING
NUCLEAR RADIATION
OPTICAL PUMPING
POPULATION INVERSION
% PUMPING
STIMULATED EMISSION
STIMULATED EMISSION DEVICES

ELECTRON RADIATION
2402 2403 2903
SN (LIMITED TO RADIATION CONSISTING
OF ELECTRONS--EXCLUDES
ELECTROMAGNETIC RADIATION)
GS PARTICLES
.CORPUSCULAR RADIATION
.#ELECTRON RADIATION
...BETA PARTICLES
...ELECTRON BEAMS
....RELATIVISTIC ELECTRON BEAMS
RT BREMSSTRAHLUNG
NUCLEAR RADIATION
PLASMA RADIATION
PROTON IRRADIATION
% RADIATION
RADIATION EFFECTS

ELECTRON RECOMBINATION
0604 2401 2403
GS RECOMBINATION REACTIONS
#ELECTRON RECOMBINATION
..RADIATIVE RECOMBINATION
RT ION RECOMBINATION
NEUTRAL PARTICLES

ELECTRON RING ACCELERATORS
USE STORAGE RINGS (PARTICLE
ACCELERATORS)

ELECTRON RUNAWAY (PLASMA PHYSICS)
2502
GS SCATTERING
.ELECTRON SCATTERING
.#ELECTRON RUNAWAY (PLASMA PHYSICS)
RT COLLISIONAL PLASMAS
HIGH ACCELERATION
PLASMA PHYSICS
SCATTERING CROSS SECTIONS

```
ELECTRON SCATTERING
  1002 2402 2403
  UF   ELECTRON COLLISIONS
       ELECTRON INTERACTIONS
  GS   SCATTERING
       #ELECTRON SCATTERING
       ..ELECTRON RUNAWAY (PLASMA PHYSICS)
  RT   ATOMIC COLLISIONS
       DENSE PLASMAS
       ELASTIC SCATTERING
       INELASTIC SCATTERING
       ION SCATTERING
       MANY ELECTRON EFFECTS
       NUCLEAR REACTIONS
       NUCLEAR SCATTERING
       PARTICLE INTERACTIONS
       PHOTON-ELECTRON INTERACTION
       RAMSAUER EFFECT
       RECOIL IONS
       RELATIVISTIC ELECTRON BEAMS
       TRANSMISSION ELECTRON MICROSCOPY
       UMKLAPP PROCESS

ELECTRON SOURCES
  1002 2402 2403
  RT % ENERGY SOURCES
       ION SOURCES
     % POWER SUPPLIES
       RADIATION SOURCES
     % SOURCES

ELECTRON SPECTROSCOPY
  1404
  GS   SPECTROSCOPY
       #ELECTRON SPECTROSCOPY
  RT   ABSORPTION SPECTRA
       EMISSION SPECTRA
       INFRARED SPECTROSCOPY
       MOLECULAR SPECTROSCOPY
       OPTICAL EMISSION SPECTROSCOPY
       X RAY ABSORPTION

ELECTRON SPIN
  2402 2403
  GS   SPIN
       .PARTICLE SPIN
       .#ELECTRON SPIN
  RT   ANGULAR MOMENTUM
       NUCLEAR SPIN
       SPIN DYNAMICS

ELECTRON SPIN RESONANCE
  USE  ELECTRON PARAMAGNETIC RESONANCE

ELECTRON STATES
  0604 2401 2402 2403 2601 2603
  GS   LEVEL (QUANTITY)
       .ENERGY LEVELS
       .#ELECTRON STATES
       PARTICLE ENERGY
       .ELECTRON ENERGY
       .#ELECTRON STATES
  RT   EXCIMERS
       EXCITATION
       GROUND STATE
       MANY ELECTRON EFFECTS
       NOISE TEMPERATURE

ELECTRON SWEEPING
  USE  SWEEP FREQUENCY

ELECTRON TELESCOPES
  USE  PARTICLE TELESCOPES

ELECTRON TEMPERATURE
  USE  ELECTRON ENERGY

ELECTRON TRAJECTORIES
  2402 2403
  UF   ELECTRON PATHS
  GS   TRAJECTORIES
       .PARTICLE TRAJECTORIES
       .#ELECTRON TRAJECTORIES
  RT   DIFFRACTION PATHS
       MAGNETIC RIGIDITY
       RADIATION BELTS

ELECTRON TRANSFER
  0403 0604 1002
  RT   BACKWARD WAVE TUBES
       CHARGE EXCHANGE
       CHARGE TRANSFER
       OXIDATION
       TRANSFERRED ELECTRON DEVICES
       TRANSFERRING

ELECTRON TRANSITIONS
  0604 1002 2402 2403
  RT   ATOMIC THEORY
       AUGER EFFECT
       AUGER SPECTROSCOPY
       BALMER SERIES
       BAND STRUCTURE OF SOLIDS
       BOHR THEORY
       CONDUCTION BANDS
       EXCIMERS
       EXCITATION
       FORBIDDEN TRANSITIONS
       FRANCK-CONDON PRINCIPLE
       JAHN-TELLER EFFECT
       LASING
       MANY ELECTRON EFFECTS
       NUCLEAR CAPTURE
       OPTICAL TRANSITION
       OSCILLATOR STRENGTHS
       PASCHEN SERIES
       RYDBERG SERIES
     % TRANSITION
       TRANSITION PROBABILITIES
       X RAY LASERS
       XENON CHLORIDE LASERS
       XENON FLUORIDE LASERS

ELECTRON TUBES
  0903 0905 0906 1409 2501 2602
  GS  #ELECTRON TUBES
       .CAMERA TUBES
       ..IMAGE DISSECTOR TUBES
       ..ORTHICONS
       ...IMAGE ORTHICONS
       ..VIDICONS
       ...RETURN BEAM VIDICONS
       ....THERMICONS
       .COLD CATHODE TUBES
       ..PHOTOTUBES
       ...PHOTOMULTIPLIER TUBES
       ....FREQUENCY MODULATION
           PHOTOMULTIPLIERS
       .GAS DISCHARGE TUBES
       ..IGNITRONS
       ..THYRATRONS
       .IMAGE TUBES
       ..THERMICONS
       .THERMIONIC DIODES
       ..CESIUM DIODES
       .VACUUM TUBES
       ..CATHODE RAY TUBES
       ...PICTURE TUBES
       ..CESIUM DIODES
       ..MICROWAVE TUBES
       ...CELESCOPES
       ...CYCLOTRON RESONANCE DEVICES
       ...KLYSTRONS
       ...MAGNETRONS
       ....NIGOTRONS
       ...PLANOTRONS
       ...TRAVELING WAVE TUBES
       ....BACKWARD WAVE TUBES
       .....HELITRONS
       ....CARCINOTRONS
       ..VACUUM TUBE OSCILLATORS
  RT   CAVITY RESONATORS
       CIRCUITS
       CROSSED FIELD AMPLIFIERS
```

```
        DIODES
        FIBER OPTICS
      % HEATERS
        MODULATORS
        ORBITRONS
        OSCILLATORS
        PENTODES
        RECTIFIERS
        RESONATORS
        TETRODES
        TRANSCONDUCTANCE
        TRIODES
        TUBE GRIDS
      % TUBES
        TUNNEL CATHODES
        VELOCITY MODULATION
        X RAY TUBES

ELECTRON TUNNELING
  0905 0906
  UF    TUNNEL RESISTORS
  RT    ENERGY LEVELS
        MIM DIODES
        RESONANT TUNNELING
        SCANNING TUNNELING MICROSCOPY
        SEMICONDUCTORS (MATERIALS)
        SUPERCONDUCTIVITY
        TUNNEL DIODES
        TUNNEL JUNCTIONS
      % TUNNELING

ELECTRON-HOLE DROPS
  2602
  RT    CARRIER DENSITY (SOLID STATE)
        LUMINESCENCE
        MAGNETIC FIELDS
        OPTICAL PUMPING
        PHASE TRANSFORMATIONS
        PLASMA DENSITY
        PLASMA EQUILIBRIUM
        SEMICONDUCTOR PLASMAS
        SINGLE EVENT UPSETS

ELECTRON-ION RECOMBINATION
  0604 2401 2403 2502 2603
  GS    RECOMBINATION REACTIONS
        #ELECTRON-ION RECOMBINATION
        ..RADIATIVE RECOMBINATION
  RT    ION RECOMBINATION
        PLASMA CONTROL

ELECTRON-POSITRON ANNIHILATION
  USE   POSITRON ANNIHILATION

ELECTRON-POSITRON PAIRS
  GS    PARTICLES
        .ELEMENTARY PARTICLES
        .#ELECTRON-POSITRON PAIRS
  RT    ANNIHILATION REACTIONS
        CHARGED PARTICLES
        ELECTRON-POSITRON PLASMAS
        ELECTRONS
        PAIR PRODUCTION
        POSITRON ANNIHILATION
        POSITRONS

ELECTRON-POSITRON PLASMAS
  2501 2502
  GS    PARTICLES
        .CHARGED PARTICLES
        ..ENERGETIC PARTICLES
        ...PLASMAS (PHYSICS)
        ...#ELECTRON-POSITRON PLASMAS
  RT    ELECTRON PLASMA
        ELECTRON-POSITRON PAIRS
        ELECTRONS
        POSITRONS
        RELATIVISTIC PLASMAS

ELECTRONARCOSIS
  0404 0405 0408
  RT    ELECTROANESTHESIA
        ELECTROPHYSIOLOGY

ELECTRONIC AIRCRAFT
  0102
  RT %  AIRCRAFT
        AUTOMATIC CONTROL
        ELECTRONIC COUNTERMEASURES

ELECTRONIC AMPLIFIERS
  USE   AMPLIFIERS

ELECTRONIC BULLETIN BOARDS
  0702 0803
  UF    COMPUTER BULLETIN BOARDS
  RT    COMMUNICATION NETWORKS
        COMPUTER CONFERENCING
        ELECTRONIC MAIL
        INTERNETS

ELECTRONIC CONTROL
  0602 0905 1002 2102 3404
  RT    AUTOMATIC CONTROL
        CASCADE CONTROL
      % CONTROL
        CONTROL EQUIPMENT
        CONTROL SYSTEMS DESIGN
        CONTROLLERS
        CURRENT REGULATORS
        ELECTRIC CONTROL
        ELECTRIC SWITCHES
        FEEDBACK CONTROL
        HYDRAULIC CONTROL
        OPTICAL CONTROL
        PNEUMATIC CONTROL
        REMOTE CONTROL
        TERMINAL CONFIGURED VEHICLE PROGRAM
        VOLTAGE REGULATORS

ELECTRONIC COUNTERMEASURES
  0702 0704 1002 3401
  GS    COUNTERMEASURES
        #ELECTRONIC COUNTERMEASURES
        ..ANTIRADAR COATINGS
        ..CHAFF
  RT    DECEPTION
        ELECTROMAGNETIC COMPATIBILITY
        ELECTROMAGNETIC INTERFERENCE
        ELECTRONIC AIRCRAFT
        ELECTRONIC WARFARE
        JAMMING
        OPTICAL COUNTERMEASURES
        RADAR DETECTION
        RADIO FREQUENCY INTERFERENCE

ELECTRONIC EQUIPMENT
  0904 0905 1002
  GS   #ELECTRONIC EQUIPMENT
        .DIODES
        ..CRYSTAL RECTIFIERS
        ..PLASMA DIODES
        ..SEMICONDUCTOR DIODES
        ...AVALANCHE DIODES
        ...BARRITT DIODES
        ...GERMANIUM DIODES
        ...GUNN DIODES
        ...JUNCTION DIODES
        ...LIGHT EMITTING DIODES
        ...PARAMETRIC DIODES
        ...PHOTODIODES
        ...SCHOTTKY DIODES
        ...TUNNEL DIODES
        ...VARACTOR DIODES
        ..THERMIONIC DIODES
        ...CESIUM DIODES
        .ELECTRONIC FILTERS
        .ELECTRONIC MODULES
        ..MICROMODULES
        .ELECTRONIC PACKAGING
        .ELECTRONIC RECORDING SYSTEMS
        .ELECTRONIC TRANSDUCERS
        .MINIATURE ELECTRONIC EQUIPMENT
        .SOLID STATE DEVICES
        ..CRYOTRONS
```

..CRYSTAL RECTIFIERS
..METAL-NITRIDE-OXIDE-SEMICONDUCTOR

..MULTISPECTRAL LINEAR ARRAYS
..SEMICONDUCTOR DEVICES
...AVALANCHE DIODES
....CRYOSAR
...BARRITT DIODES
...CHARGE TRANSFER DEVICES
....BUCKET BRIGADE DEVICES
....CHARGE COUPLED DEVICES
....CHARGE INJECTION DEVICES
...GERMANIUM DIODES
...HETEROJUNCTION DEVICES
....HIGH ELECTRON MOBILITY
TRANSISTORS
.....MODFETS
...JUNCTION DIODES
....MIM DIODES
....STEP RECOVERY DIODES
...LIGHT EMITTING DIODES
...METAL OXIDE SEMICONDUCTORS
....CMOS
....ITO (SEMICONDUCTORS)
....SOS (SEMICONDUCTORS)
...MIM (SEMICONDUCTORS)
...MIS (SEMICONDUCTORS)
...MSM (SEMICONDUCTORS)
...NDM SEMICONDUCTOR DEVICES
...NEURISTORS
...PARAMETRIC DIODES
...PHOTODIODES
...PHOTOVOLTAIC CELLS
....SOLAR CELLS
.....VERTICAL JUNCTION SOLAR CELLS
...SCHOTTKY DIODES
...SEMICONDUCTOR LASERS
....ALUMINUM GALLIUM ARSENIDE
LASERS
....GALLIUM ARSENIDE LASERS
....QUANTUM WELL LASERS
...SOI (SEMICONDUCTORS)
...THERMISTORS
...THYRISTORS
....SILICON CONTROLLED RECTIFIERS
...TRANSFERRED ELECTRON DEVICES
...TRANSISTOR AMPLIFIERS
...TRANSISTORS
....BIPOLAR TRANSISTORS
....FIELD EFFECT TRANSISTORS
.....CHARGE FLOW DEVICES
.....JFET
.....MODFETS
....HIGH ELECTRON MOBILITY
TRANSISTORS
.....MODFETS
....JUNCTION TRANSISTORS
.....JFET
....PHOTOTRANSISTORS
....SILICON TRANSISTORS
.....SOS (SEMICONDUCTORS)
...TRAPATT DEVICES
...VARACTOR DIODES
...VARISTORS
..SIS (SEMICONDUCTORS)
..SIS (SUPERCONDUCTORS)
..SOLID STATE LASERS
...ALUMINUM GALLIUM ARSENIDE LASERS
...DBR LASERS
...GALLIUM ARSENIDE LASERS
...QUANTUM WELL LASERS
...RUBY LASERS
...YAG LASERS
.SPACECRAFT ELECTRONIC EQUIPMENT
RT ANTENNA COMPONENTS
BUBBLE TECHNIQUE
% ELECTRIC EQUIPMENT
% ELECTRONICS
% EQUIPMENT
RADIATION HARDENING
SPHERICAL ANTENNAS
SYSTEM GENERATED ELECTROMAGNETIC
PULSES

ELECTRONIC EQUIPMENT TESTS
0905 1002 1505 3404
SN (CHECKOUT OF ELECTRONIC EQUIPMENT)
RT EARTH TERMINAL MEASUREMENT SYSTEM
ELECTRIC EQUIPMENT TESTS
ELECTRICAL MEASUREMENT
ENVIRONMENTAL TESTS
FAULT DETECTION
NONDESTRUCTIVE TESTS
OSCILLOSCOPES
QUALITY CONTROL
RESONANCE TESTING
SELF TESTS
STABILITY TESTS
% TEST EQUIPMENT
% TESTS
VIBRATION TESTS

ELECTRONIC FILTERS
1002
GS ELECTRONIC EQUIPMENT
#ELECTRONIC FILTERS
RT ELECTRIC FILTERS
% FILTERS
FIR FILTERS

ELECTRONIC LEVELS
USE ELECTRON ENERGY
ENERGY LEVELS

ELECTRONIC MAIL
0801
GS TELECOMMUNICATION
#ELECTRONIC MAIL
RT COMMUNICATION NETWORKS
COMMUNICATION SATELLITES
COMPUTER CONFERENCING
COMPUTER NETWORKS
DATA TRANSMISSION
ELECTRONIC BULLETIN BOARDS
INTERNETS

ELECTRONIC MODULES
0902 0905 1001 1002
GS ELECTRONIC EQUIPMENT
#ELECTRONIC MODULES
..MICROMODULES
MODULES
#ELECTRONIC MODULES
..MICROMODULES
RT HARDWARE
MINIATURE ELECTRONIC EQUIPMENT
MODULARITY
SUBMINIATURIZATION

ELECTRONIC PACKAGING
0801 0902 0905 1002
GS ELECTRONIC EQUIPMENT
#ELECTRONIC PACKAGING
PACKAGING
#ELECTRONIC PACKAGING
RT CIRCUIT BOARDS
DTL INTEGRATED CIRCUITS
ENCAPSULATING
HYBRID CIRCUITS
INTEGRATED CIRCUITS
LARGE SCALE INTEGRATION
LINEAR INTEGRATED CIRCUITS
MEDIUM SCALE INTEGRATION
MICROMODULES
PRINTED CIRCUITS
THICK FILMS
TTL INTEGRATED CIRCUITS

ELECTRONIC PHOTOGRAPHY
USE ELECTRO-OPTICAL PHOTOGRAPHY

ELECTRONIC RECORDING SYSTEMS
0801 0905 1002 1411
GS ELECTRONIC EQUIPMENT
#ELECTRONIC RECORDING SYSTEMS

```
  RT   RECORDING INSTRUMENTS
     % SYSTEMS
       TAPE RECORDERS

ELECTRONIC SIGNAL MEASUREMENT
  USE  SIGNAL MEASUREMENT

ELECTRONIC SPECTRA
  1411 2310 2402 2403
  SN   (EMISSION OR ABSORPTION MOLECULAR
       SPECTRA OF AN ELECTRON TRANSITION)
  GS   SPECTRA
       .ENERGY SPECTRA
       .#ELECTRONIC SPECTRA
       .MOLECULAR SPECTRA
       .#ELECTRONIC SPECTRA
       .RADIATION SPECTRA
       ..ELECTROMAGNETIC SPECTRA
       ...LINE SPECTRA
       ...#ELECTRONIC SPECTRA
  RT   ABSORPTION SPECTRA
       EMISSION SPECTRA
       LYMAN SPECTRA
       SPECTRAL BANDS
       VIBRATIONAL SPECTRA

ELECTRONIC STRUCTURE
  USE  ATOMIC STRUCTURE

ELECTRONIC SWITCHES
  USE  SWITCHING CIRCUITS

ELECTRONIC TRANSDUCERS
  0905 1002 1413 2602 3501
  GS   ELECTRONIC EQUIPMENT
       #ELECTRONIC TRANSDUCERS
       TRANSDUCERS
       #ELECTRONIC TRANSDUCERS
  RT   MAGNETIC TRANSDUCERS
     % SENSORS
       ULTRASONIC WAVE TRANSDUCERS

ELECTRONIC WARFARE
  0702
  GS   MILITARY OPERATIONS
       #ELECTRONIC WARFARE
       WARFARE
       #ELECTRONIC WARFARE
  RT   AIR DEFENSE
       ANTIRADAR COATINGS
       CHAFF
       COMBAT
       DECEPTION
       ELECTROMAGNETIC COMPATIBILITY
       ELECTROMAGNETIC INTERFERENCE
       ELECTROMAGNETIC SPECTRA
       ELECTRONIC COUNTERMEASURES
       EVASIVE ACTIONS
       JAMMING
       MISSILE DETECTION
       PEACETIME
       RADAR DETECTION
       RADIO FREQUENCY INTERFERENCE
       STRATEGY
     % ELECTRONICS
       1001 1002 1003
       SN   (USE OF A MORE SPECIFIC TERM IS
            RECOMMENDED--CONSULT THE TERMS
            LISTED BELOW)
       UF   PHOTOELECTRONICS
       RT   ASTRIONICS
            AVIONICS
            DIGITAL ELECTRONICS
            ELECTRICAL ENGINEERING
            ELECTRICITY
            ELECTRONIC EQUIPMENT
            ELECTROPHYSICS
            MEDICAL ELECTRONICS
            MICROELECTRONICS
            MOLECULAR ELECTRONICS
            NUCLEONICS
            QUANTUM ELECTRONICS
            RADIO ELECTRONICS
            THERMIONICS
            TRANSISTOR CIRCUITS
            VOLT-AMPERE CHARACTERISTICS

ELECTRONOGRAPHY
  1002 1407 1504 3404
  RT   ELECTROPHYSIOLOGY
       PRINTING

ELECTRONS
  2401 2403 2903
  UF   ELECTRON FLUX
       NONRELATIVISTIC ELECTRONS
  GS   PARTICLES
       .CHARGED PARTICLES
       ..ENERGETIC PARTICLES
       ..#ELECTRONS
       ....CONDUCTION ELECTRONS
       ....HIGH ENERGY ELECTRONS
       ....HOT ELECTRONS
       ....N ELECTRONS
       ....NEGATRONS
       ....PI-ELECTRONS
  RT   ACCEPTOR MATERIALS
       BETA PARTICLES
       BOHR MAGNETON
       COSMIC RAYS
       DONOR MATERIALS
       ELECTRON ACCELERATION
       ELECTRON MASS
       ELECTRON-POSITRON PAIRS
       ELECTRON-POSITRON PLASMAS
       EXCITONS
       HOLES (ELECTRON DEFICIENCIES)
       LEWIS BASE
       MAJORITY CARRIERS
     % MATERIALS
       MINORITY CARRIERS
       MUONIUM
       N-TYPE SEMICONDUCTORS
       NUCLEAR RADIATION
       POMERANCHUK THEOREM
       QUANTUM NUMBERS
       RADIATION BELTS
       SEMICONDUCTORS (MATERIALS)
       SUHL EFFECT

ELECTRONYSTAGMOGRAPHY
  0405
  GS   BIOENGINEERING
       .BIOMETRICS
       .#ELECTRONYSTAGMOGRAPHY
       PHYSIOLOGICAL TESTS
       #ELECTRONYSTAGMOGRAPHY
  RT   EYE EXAMINATIONS
       EYE MOVEMENTS
       NYSTAGMUS
       OPHTHALMOLOGY

ELECTROPHORESIS
  0602 0604 2403
  UF   CONTINUOUS FLOW ELECTROPHORESIS
  RT   BIOPROCESSING
       COLLOIDS
       ELECTRODEPOSITION
       ELECTROPLATING
     % MICROGRAVITY APPLICATIONS
       PARTICLE MOTION

ELECTROPHOTOMETERS
  0605 1404 1406 1411 2306 2310
  UF   PHOTOELECTRIC PHOTOMETERS
  GS   MEASURING INSTRUMENTS
       .OPTICAL MEASURING INSTRUMENTS
       ..PHOTOMETERS
       ..#ELECTROPHOTOMETERS
       .RADIATION MEASURING INSTRUMENTS
       ..PHOTOMETERS
       ..#ELECTROPHOTOMETERS
       OPTICAL EQUIPMENT
       .OPTICAL MEASURING INSTRUMENTS
```

```
        ..PHOTOMETERS
        ..#ELECTROPHOTOMETERS
  RT    ELECTROPHOTOMETRY

ELECTROPHOTOMETRY
  0605 1406 1411 2306 2310
  GS    CHEMICAL TESTS
        .CHEMICAL ANALYSIS
        .#ELECTROPHOTOMETRY
        OPTICAL MEASUREMENT
        .PHOTOMETRY
        .#ELECTROPHOTOMETRY
  RT    COLORIMETRY
        ELECTROPHOTOMETERS
        ELECTROPHYSICS
      % MATERIALS TESTS
        MICROANALYSIS
        PHOTOMETERS
        PIXELS
        QUALITATIVE ANALYSIS
        QUANTITATIVE ANALYSIS
        SPECTROSCOPIC ANALYSIS
        SPECTROSCOPY

ELECTROPHYSICS
  2304 2311
  GS   #ELECTROPHYSICS
        .ELECTRO-OPTICS
        .MOLECULAR ELECTRONICS
  RT    ELECTROCHEMISTRY
        ELECTROKINETICS
        ELECTROMAGNETISM
      % ELECTRONICS
        ELECTROPHOTOMETRY
      % PHYSICS
      % SCIENCE
        THEORETICAL PHYSICS

ELECTROPHYSIOLOGY
  0404 0405 0501
  GS    PHYSIOLOGY
        #ELECTROPHYSIOLOGY
  RT    BODY MEASUREMENT (BIOLOGY)
        DEPOLARIZATION
        ECHOENCEPHALOGRAPHY
        ELECTROCARDIOGRAPHY
        ELECTROENCEPHALOGRAPHY
        ELECTROMYOGRAPHY
        ELECTRONARCOSIS
        ELECTRONOGRAPHY
        ELECTROPLETHYSMOGRAPHY
        ELECTRORETINOGRAPHY
        HIS BUNDLE
        INFORMATION PROCESSING (BIOLOGY)
        NERVOUS SYSTEM
        NEUROLOGY
      % SCIENCE

ELECTROPLATING
  0602 0604 1704 1802
  GS    COATING
        #ELECTROPLATING
        COATINGS
        #ELECTROPLATING
        DEPOSITION
        .ELECTRODEPOSITION
        .#ELECTROPLATING
        PLATING
        #ELECTROPLATING
  RT    BATHS
        CATHODIC COATINGS
        CURRENT DENSITY
        ELECTRODES
        ELECTROFORMING
        ELECTROLYSIS
        ELECTROLYTES
        ELECTROLYTIC CELLS
        ELECTROPHORESIS
        METALLIZING
        NICKEL PLATE
        PROTECTIVE COATINGS
        SURFACE FINISHING

ELECTROPLETHYSMOGRAPHY
  0404 0405 0501
  GS    BIOENGINEERING
        .BIOMETRICS
        ..BODY MEASUREMENT (BIOLOGY)
        ..#ELECTROPLETHYSMOGRAPHY
        ..PLETHYSMOGRAPHY
        ..#ELECTROPLETHYSMOGRAPHY
  RT    BLOOD CIRCULATION
        ELECTROPHYSIOLOGY
        MEDICAL ELECTRONICS

ELECTROPOLISHING
  0602 0604 1704
  UF    ELECTROLYTIC POLISHING
  GS    METAL FINISHING
        #ELECTROPOLISHING
        POLISHING
        .METAL POLISHING
        .#ELECTROPOLISHING
  RT    ELECTROCHEMICAL MACHINING
        METALLOGRAPHY
        SURFACE FINISHING

ELECTROREFINING
  0602 0604 1704
  GS    REFINING
        #ELECTROREFINING
  RT    ELECTRODES
        ELECTROLYTES
        ELECTROLYTIC CELLS
        ELECTROWINNING

ELECTRORETINOGRAPHY
  0404 0405 0501
  GS    BIOENGINEERING
        .BIOMETRICS
        .#ELECTRORETINOGRAPHY
  RT    ELECTROPHYSIOLOGY
        MEDICAL ELECTRONICS
        RETINA

ELECTRORHEOLOGICAL FLUIDS
  1202 2603
  UF    ER FLUIDS
  RT    ELASTODYNAMICS
        RHEOLOGY

ELECTROSEISMIC EFFECT
  USE   ELECTRIC CURRENT
        SEISMIC WAVES

% ELECTROSLAG PROCESS
  0602 0604 1507 1704 3404
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    ELECTROSLAG REFINING
        ELECTROSLAG WELDING

ELECTROSLAG REFINING
  3404
  GS    REFINING
        #ELECTROSLAG REFINING
  RT    ARC MELTING
      % ELECTROSLAG PROCESS
        RESISTANCE HEATING

ELECTROSLAG WELDING
  3404
  GS    WELDING
        .FUSION WELDING
        ..ELECTRIC WELDING
        ..#ELECTROSLAG WELDING
  RT % ELECTROSLAG PROCESS

ELECTROSTATIC BONDING
  1501
  RT    COVERINGS
        ENCAPSULATING
        ENERGY TECHNOLOGY
        GLASS
```

```
        SOLAR ARRAYS
        SOLAR CELLS

ELECTROSTATIC CHARGE
  0101 1202 1203 1503 2304 2402
  GS    ELECTRIC CHARGE
        #ELECTROSTATIC CHARGE
  RT    CAPACITANCE
        CHARGE DISTRIBUTION
      % CHARGING
        ELECTRIC DISCHARGES
        ELECTRIC FIELDS
        ELECTROSTATICS
        SCATHA SATELLITE
        STATIC ELECTRICITY
        XEROGRAPHY

ELECTROSTATIC DRAG
  0101 1002 2304
  GS    DYNAMIC CHARACTERISTICS
        .DRAG
        .#ELECTROSTATIC DRAG
  RT    DRAG MEASUREMENT
        SATELLITE DRAG

ELECTROSTATIC ENGINES
  1504 2801 2808
  GS    ENGINES
        .ROCKET ENGINES
        ..ELECTRIC ROCKET ENGINES
        ..#ELECTROSTATIC ENGINES
  RT    ARC JET ENGINES
        CESIUM ENGINES
        ION ENGINES
        MERCURY ION ENGINES
        MICROROCKET ENGINES
        RESTARTABLE ROCKET ENGINES
        RIT ENGINES
        SUSTAINER ROCKET ENGINES
        VERNIER ENGINES

ELECTROSTATIC EROSION
  USE   SPARK MACHINING

ELECTROSTATIC FIELDS
  USE   ELECTRIC FIELDS

ELECTROSTATIC GENERATORS
  0301 0302 1503 1504
  GS    ELECTRIC GENERATORS
        .DIRECT POWER GENERATORS
        .#ELECTROSTATIC GENERATORS
  RT    ARC GENERATORS
      % GENERATORS
        KLYSTRONS
        MAGNETRONS
        ROTATING GENERATORS
        VOLTAGE GENERATORS

ELECTROSTATIC GYROSCOPES
  1403
  UF    ELECTRICALLY SUSPENDED GYROSCOPES
        ESG (GYROSCOPES)
  GS    GYROSCOPES
        #ELECTROSTATIC GYROSCOPES
  RT    LEVITATION

ELECTROSTATIC PLASMA
  USE   PLASMAS (PHYSICS)

ELECTROSTATIC PRECIPITATORS
  0602 0604 1202 1203 2403 3404
  GS    SEPARATORS
        .PRECIPITATORS
        .#ELECTROSTATIC PRECIPITATORS
  RT    ADSORPTION
        AIR PURIFICATION
        AIR SAMPLING
        DUST COLLECTORS
        FLY ASH
      % SEPARATION

ELECTROSTATIC PROBES
  2203 2405 2502
  UF    LANGMUIR PROBES
  GS    MEASURING INSTRUMENTS
        .PLASMA PROBES
        .#ELECTROSTATIC PROBES
        .RADIATION MEASURING INSTRUMENTS
        .#ELECTROSTATIC PROBES
  RT    ELECTRON ENERGY
        PLASMA FREQUENCIES
        RADIATION COUNTERS
        SCATHA SATELLITE

ELECTROSTATIC PROPULSION
  2803 3404
  GS    PROPULSION
        .ELECTRIC PROPULSION
        .#ELECTROSTATIC PROPULSION
        ...ION PROPULSION
        .LOW THRUST PROPULSION
        .#ELECTROSTATIC PROPULSION
        ...ION PROPULSION
        .SPACECRAFT PROPULSION
        .#ELECTROSTATIC PROPULSION
        ...ION PROPULSION
  RT    ELECTROMAGNETIC PROPULSION
        PLASMA PROPULSION

ELECTROSTATIC SHIELDING
  0905 2302 2304 2402
  GS    SHIELDING
        #ELECTROSTATIC SHIELDING
  RT    ELECTRIC CONDUCTORS
        SCATHA SATELLITE

ELECTROSTATIC WAVES
  1202 2304 2502
  GS    ELASTIC WAVES
        .MAGNETOHYDRODYNAMIC WAVES
        ..PLASMA WAVES
        ..#ELECTROSTATIC WAVES
  RT    DIFFUSION WAVES
        IONIC WAVES
        LONGITUDINAL WAVES
        MAGNETOELASTIC WAVES
        SHOCK WAVES
        WAVE-PARTICLE INTERACTIONS

ELECTROSTATICS
  2304 2402
  GS    STATICS
        #ELECTROSTATICS
  RT    BORN-INFELD THEORY
        ELECTRIC FIELDS
        ELECTROMAGNETIC INTERACTIONS
        ELECTROMECHANICS
        ELECTROSTATIC CHARGE
        MAGNETOSTATICS
        POISSON EQUATION
        STATIC ELECTRICITY

ELECTROSTRICTION
  2304 2305 2307 2602 3203
  GS    ELECTRICAL PROPERTIES
        #ELECTROSTRICTION
        MECHANICAL PROPERTIES
        #ELECTROSTRICTION
  RT    MAGNETOSTRICTION
        PIEZOELECTRICITY

ELECTROTHERMAL ENGINES
  1504 2801 2803 2808 3404
  GS    ENGINES
        .ROCKET ENGINES
        ..ELECTRIC ROCKET ENGINES
        ..#ELECTROTHERMAL ENGINES
        ....ARC JET ENGINES
        ....RESISTOJET ENGINES
  RT    HIGH TEMPERATURE PROPELLANTS
        ION ENGINES
        NUCLEAR ELECTRIC PROPULSION
        PULSED JET ENGINES
        RESTARTABLE ROCKET ENGINES
```

```
      SUSTAINER ROCKET ENGINES

ELECTROWINNING
  0604 1504 1704 3407
  RT   ELECTRODEPOSITION
       ELECTRODES
       ELECTROLYTES
       ELECTROLYTIC CELLS
       ELECTROREFINING

ELEKTRON SATELLITES
  3107 3409
  GS   ARTIFICIAL SATELLITES
       .METEOROLOGICAL SATELLITES
       .#ELEKTRON SATELLITES
       ...ELEKTRON 1 SATELLITE
       ...ELEKTRON 2 SATELLITE
       ...ELEKTRON 4 SATELLITE

ELEKTRON 1 SATELLITE
  3107 3409
  GS   ARTIFICIAL SATELLITES
       .METEOROLOGICAL SATELLITES
       ..ELEKTRON SATELLITES
       ..#ELEKTRON 1 SATELLITE

ELEKTRON 2 SATELLITE
  3107 3409
  GS   ARTIFICIAL SATELLITES
       .METEOROLOGICAL SATELLITES
       ..ELEKTRON SATELLITES
       ..#ELEKTRON 2 SATELLITE

ELEKTRON 4 SATELLITE
  3107
  GS   ARTIFICIAL SATELLITES
       .METEOROLOGICAL SATELLITES
       ..ELEKTRON SATELLITES
       ..#ELEKTRON 4 SATELLITE

ELEMENT ABUNDANCE
  USE  ABUNDANCE

ELEMENT 104
  0601
  GS   CHEMICAL ELEMENTS
       #ELEMENT 104
  RT % ELEMENTS

ELEMENT 105
  0601
  GS   CHEMICAL ELEMENTS
       #ELEMENT 105
  RT % ELEMENTS

ELEMENTARY EXCITATIONS
  1901 2403
  UF   QUASI-PARTICLES
  GS  #ELEMENTARY EXCITATIONS
       .EXCITONS
       .MAGNONS
       .PHONONS
       ..PHONON BEAMS
       .PLASMONS
       .POLARONS
  RT   MANY BODY PROBLEM

ELEMENTARY PARTICLE INTERACTIONS
  2403
  GS   PARTICLE INTERACTIONS
       #ELEMENTARY PARTICLE INTERACTIONS
       ..HIGH ENERGY INTERACTIONS
       ...STRONG INTERACTIONS (FIELD
          THEORY)
       ..MESON-MESON INTERACTIONS
       ..MESON-NUCLEON INTERACTIONS
       ..NUCLEAR CAPTURE
       ...ELECTRON CAPTURE
       ..NUCLEON-NUCLEON INTERACTIONS
       ..WEAK ENERGY INTERACTIONS
       ...WEAK INTERACTIONS (FIELD THEORY)
  RT   ANGULAR DISTRIBUTION
       ELECTROMAGNETIC INTERACTIONS
     % INTERACTIONS
       ION ATOM INTERACTIONS
       MANDELSTAM REPRESENTATION
       PHOTON-ELECTRON INTERACTION
       VENEZIANO MODEL

ELEMENTARY PARTICLES
  2403 2903
  GS   PARTICLES
       #ELEMENTARY PARTICLES
       ..ANTIPARTICLES
       ...ANTINEUTRINOS
       ...ANTINUCLEONS
       ...ANTIPROTONS
       ...POSITRONS
       ..BETA PARTICLES
       ..BOSONS
       ...ALPHA PARTICLES
       ...MESONS
       ....ETA-MESONS
       ....KAONS
       ....MESON RESONANCE
       .....X MESONS
       ....MUONS
       ....PIONS
       ....VECTOR MESONS
       .....RHO-MESONS
       .....SIGMA-MESONS
       ...PHOTONS
       ...XI HYPERONS
       ..DEUTERONS
       ..ELECTRON-POSITRON PAIRS
       ..FERMIONS
       ...BARYONS
       ....HYPERONS
       .....XI HYPERONS
       ....OMEGA-MESONS
       ....RHO-MESONS
       ....SIGMA-MESONS
       ...ETA-MESONS
       ...LEPTONS
       ....ANTINEUTRINOS
       ....MUONS
       ....NEUTRINOS
       .....SOLAR NEUTRINOS
       ...MESON RESONANCE
       ...NEUTRONS
       ....COLD NEUTRONS
       ....FAST NEUTRONS
       ....PHOTONEUTRONS
       ....SOLAR NEUTRONS
       ....THERMAL NEUTRONS
       ...PROTONS
       ....RECOIL PROTONS
       ....SOLAR PROTONS
       ..GLUONS
       ..GRAVITINOS
       ..GRAVITONS
       ..HADRONS
       ...BARYONS
       ....OMEGA-MESONS
       ....RHO-MESONS
       ....SIGMA-MESONS
       ...MESONS
       ....KAONS
       ....MUONS
       ....OMEGA-MESONS
       ....VECTOR MESONS
       .....RHO-MESONS
       .....SIGMA-MESONS
       ..MAGNETIC MONOPOLES
       ..NUCLEONS
       ..PARTONS
       ..QUARKS
       ..TACHYONS
  RT   ATOMIC STRUCTURE
       BUBBLE CHAMBERS
       CHARGED PARTICLES
       DE BROGLIE WAVELENGTHS
       GEOCYCLOTRONS
       HYPERNUCLEI
       INSTANTONS
```

IONIZING RADIATION
NEUTRON SCATTERING
NUCLEAR INTERACTIONS
NUCLEAR PARTICLES
NUCLEAR RADIATION
NUCLEI (NUCLEAR PHYSICS)
PARTICLE ACCELERATORS
POMERANCHUK THEOREM
POSITRON ANNIHILATION
QUANTUM THEORY
RADIATION BELTS

% ELEMENTS
0603 0903 0906 1703 1807 3203 3406
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT ATOMS
CHEMICAL ELEMENTS
ELEMENT 104
ELEMENT 105
HEAVY ELEMENTS
ISOPARAMETRIC FINITE ELEMENTS
LIGHT ELEMENTS
LOGICAL ELEMENTS
NEUTRAL ATOMS
NUCLEAR FUEL ELEMENTS
ORBITAL ELEMENTS
TASKS

ELEVATION
0201 1406 2103 3501
RT ALTIMETRY
ALTITUDE
CONTOURS
HEAD (FLUID MECHANICS)
HYDROSTATIC PRESSURE
HYDROSTATICS
HYPSOGRAPHY
LOW ALTITUDE
PRESSURE HEADS
TOPOGRAPHY

ELEVATION ANGLE
0201 1406 2103 3009 3501
UF ALMUCANTAR
GS GEOMETRY
.EUCLIDEAN GEOMETRY
..ANGLES (GEOMETRY)
..#ELEVATION ANGLE
RT ALTITUDE
AZIMUTH
DATUM (ELEVATION)
FIELD OF VIEW
LOOK ANGLES (TRACKING)
TOPOGRAPHY

ELEVATIONS (DRAWINGS)
USE DRAWINGS

ELEVATOR ILLUSION
0404 0408
GS PSYCHOLOGICAL EFFECTS
.ILLUSIONS
..OPTICAL ILLUSION
..#ELEVATOR ILLUSION
RT VISUAL PERCEPTION

ELEVATORS (CONTROL SURFACES)
0101 0104
GS AIRFOILS
#ELEVATORS (CONTROL SURFACES)
CONTROL SURFACES
#ELEVATORS (CONTROL SURFACES)
RT AILERONS
% CONTROL
ELEVONS
HORIZONTAL TAIL SURFACES
HYDROFOILS
STABILIZERS (FLUID DYNAMICS)
% SURFACES
TABS (CONTROL SURFACES)
TAIL ASSEMBLIES
TAIL SURFACES

ELEVATORS (LIFTS)
1504
RT CONVEYORS
ESCALATORS
% JACKS
% LIFTS
WINCHES

ELEVONS
0101 0104 0201
GS AIRFOILS
#ELEVONS
CONTROL SURFACES
#ELEVONS
RT AILERONS
ELEVATORS (CONTROL SURFACES)
LATERAL CONTROL
TABS (CONTROL SURFACES)

ELIMINATION
3407
GS #ELIMINATION
.DELETION
RT ATTENUATION
CANCELLATION
DECONTAMINATION
DEPLETION
% DISCHARGE
DISPOSAL
EVACUATING (TRANSPORTATION)
EVACUATING (VACUUM)
EXCLUSION
EXHAUST SYSTEMS
EXHAUSTING
GAUSSIAN ELIMINATION
POLLUTION
PURIFICATION
% REDUCTION
REJECTION
% SEPARATION
STOPPING
WASTE DISPOSAL

ELLIPSES
0101 1902 3203
GS GEOMETRY
.EUCLIDEAN GEOMETRY
..ANALYTIC GEOMETRY
...CONICS
...#ELLIPSES
RT CIRCLES (GEOMETRY)

ELLIPSOIDS
1304 1308 1902
UF IZSAK ELLIPSOID
GS SYMMETRICAL BODIES
#ELLIPSOIDS
RT BODIES OF REVOLUTION
ELLIPTICITY
OGIVES

ELLIPSOMETERS
1406 2310 3501
GS MEASURING INSTRUMENTS
.OPTICAL MEASURING INSTRUMENTS
.#ELLIPSOMETERS
OPTICAL EQUIPMENT
.OPTICAL MEASURING INSTRUMENTS
.#ELLIPSOMETERS
RT ELLIPSOMETRY
PHOTOMETERS
POLARIMETERS

ELLIPSOMETRY
1406 2310 3501
RT DIMENSIONAL MEASUREMENT
ELLIPSOMETERS
ELLIPTICITY
FILM THICKNESS
% MEASUREMENT

```
        OPTICAL MEASUREMENT
        POLARIZED LIGHT

ELLIPTIC DIFFERENTIAL EQUATIONS
  1902
  GS    ANALYSIS (MATHEMATICS)
        .REAL VARIABLES
        ..DIFFERENTIAL EQUATIONS
        ...PARTIAL DIFFERENTIAL EQUATIONS
        ...#ELLIPTIC DIFFERENTIAL EQUATIONS
        .....MONGE-AMPERE EQUATION
  RT %  EQUATIONS
        HALF SPACES
        MAXIMUM PRINCIPLE

ELLIPTIC FUNCTIONS
  1902
  UF    ELLIPTIC INTEGRALS
  GS    ANALYSIS (MATHEMATICS)
        .COMPLEX VARIABLES
        ..MEROMORPHIC FUNCTIONS
        ..#ELLIPTIC FUNCTIONS
        FUNCTIONS (MATHEMATICS)
        .MEROMORPHIC FUNCTIONS
        .#ELLIPTIC FUNCTIONS
  RT    JACOBI INTEGRAL
        WEIERSTRASS FUNCTIONS

ELLIPTIC INTEGRALS
  USE   ELLIPTIC FUNCTIONS

ELLIPTICAL CYLINDERS
  0101 1902
  RT    CIRCULAR CYLINDERS
      % CYLINDERS
        CYLINDRICAL BODIES
        CYLINDRICAL SHELLS

ELLIPTICAL GALAXIES
  3001 3002 3003
  GS    CELESTIAL BODIES
        .GALAXIES
        .#ELLIPTICAL GALAXIES
  RT    DISK GALAXIES
        GALACTIC CLUSTERS
        LOCAL GROUP (ASTRONOMY)
        PECULIAR GALAXIES
        RING GALAXIES
        SHELL GALAXIES
        SPIRAL GALAXIES
        STAR CLUSTERS
        VIRGO GALACTIC CLUSTER

ELLIPTICAL ORBITS
  1904 3006 3009
  UF    HOHMANN TRAJECTORIES
        HOHMANN TRANSFER ORBITS
  GS    ORBITS
        #ELLIPTICAL ORBITS
        ..TRANSFER ORBITS
        ...INTERPLANETARY TRANSFER ORBITS
  RT    APHELIONS
        APOGEES
        APSIDES
        CIRCULAR ORBITS
        EARTH ORBITS
        EARTH-MARS TRAJECTORIES
        EARTH-MERCURY TRAJECTORIES
        ECCENTRIC ORBITS
        ELLIPTICITY
        EQUATORIAL ORBITS
        EULER-LAMBERT EQUATION
        LUNAR ORBITS
        ORBITAL MECHANICS
        PAS
        PERIGEES
        PERIHELIONS
        PLANETARY ORBITS
        POLAR ORBITS
        SATELLITE ORBITS
        SOLAR ORBITS
        SPACECRAFT ORBITS

ELLIPTICAL PLASMAS
  1902
  GS    PARTICLES
        .CHARGED PARTICLES
        ..ENERGETIC PARTICLES
        ...PLASMAS (PHYSICS)
        ...#ELLIPTICAL PLASMAS
  RT    MAGNETOHYDRODYNAMIC STABILITY
        PLASMA CONTROL
        TOROIDAL PLASMAS

ELLIPTICAL POLARIZATION
  2306 2311
  GS    POLARIZATION (WAVES)
        #ELLIPTICAL POLARIZATION
  RT    CIRCULAR POLARIZATION
        MAGNETOIONICS

ELLIPTICITY
  1902 1904 3006 3406
  GS    SHAPES
        #ELLIPTICITY
  RT    ECCENTRICITY
        ELLIPSOIDS
        ELLIPSOMETRY
        ELLIPTICAL ORBITS
        FLATTENING
        OBLATE SPHEROIDS

ELONGATION
  1901 1904 3006
  RT    ANGLES (GEOMETRY)
        DEFORMATION
        DUCTILITY
        ECCENTRICITY
        EXPANSION
        MECHANICAL PROPERTIES
        PLASTIC DEFORMATION
        STRETCHING
        SUPERPLASTICITY
        TENSILE DEFORMATION
        TENSILE STRENGTH

ELUTION
  0603 3407
  UF    ELUTRIATION
  RT    ADSORPTION
        EXTRACTION
        FLUSHING
        LEACHING
        PURIFICATION
      % SEPARATION
        WASHING

ELUTRIATION
  USE   ELUTION

EMANATION
  USE   EMISSION

EMBEDDED COMPUTER SYSTEMS
  0801
  GS    DATA PROCESSING EQUIPMENT
        .COMPUTERS
        .#EMBEDDED COMPUTER SYSTEMS
        ...AIRBORNE/SPACEBORNE COMPUTERS
  RT    ADA (PROGRAMMING LANGUAGE)

EMBEDDING
  1504 3201 3407
  RT    ACCELERATION PROTECTION
        ENCAPSULATING
        INSERTION

EMBOLISMS
  0404 0405 0408 1203
  GS   #EMBOLISMS
        .AEROEMBOLISM
        .FAT EMBOLISMS
  RT    BLOOD VESSELS
        CLOTTING
        COAGULATION
```

```
       INFARCTION

EMBOSSING
  0802
  RT   BRAILLE

EMBRITTLEMENT
  1704 3203
  GS  #EMBRITTLEMENT
       .HYDROGEN EMBRITTLEMENT
  RT   BRITTLE MATERIALS
       BRITTLENESS
       DEGRADATION
       TIME TEMPERATURE PARAMETER

EMBRYOLOGY
  0404
  RT % BIOLOGY
       DIENCEPHALON
       DIFFERENTIATION (BIOLOGY)
       EMBRYOS
       FETUSES
       NEUROBLASTS
       REPRODUCTION (BIOLOGY)

EMBRYOS
  0402 0404
  RT   EGGS
       EMBRYOLOGY
       FETUSES
       SEEDS

EMERALD
  USE  BERYL

EMERGENCIES
  3406
  RT   ACCIDENTS
       DISASTERS
       FAIL-SAFE SYSTEMS

EMERGENCY BREATHING TECHNIQUES
  0405 0501 0502 0507
  RT % BREATHING
     % METHODOLOGY
       PRESSURE BREATHING
       RESPIRATORS
       RESUSCITATION

EMERGENCY LIFE SUSTAINING SYSTEMS
  0401 0405 0504 0507 0508
  GS   SUPPORT SYSTEMS
       .LIFE SUPPORT SYSTEMS
       .#EMERGENCY LIFE SUSTAINING SYSTEMS
       ...AEPS
  RT   ENVIRONMENTAL CONTROL
       ESCAPE CAPSULES
       FLOATS
       HIGH ALTITUDE BREATHING
       MEDICAL EQUIPMENT
       OXYGEN SUPPLY EQUIPMENT
       PORTABLE LIFE SUPPORT SYSTEMS
       PRESSURIZED CABINS
       PROTECTIVE CLOTHING
       SAFETY
       SAFETY DEVICES
       SURVIVAL EQUIPMENT
     % SYSTEMS

EMERGENCY LOCATOR TRANSMITTERS
  0904
  GS   TRANSMITTERS
       #EMERGENCY LOCATOR TRANSMITTERS

EMERGING
  3407
  RT   EMISSION
       EMISSIVITY
       EMITTANCE

EMISSION
  1411 2401 2402 2403 2405 2803 3304
  2903
  UF   EMANATION
  GS  #EMISSION
       .ACOUSTIC EMISSION
       .EXHAUST EMISSION
       .LIGHT EMISSION
       ..INCANDESCENCE
       ..LUMINESCENCE
       ...BIOLUMINESCENCE
       ...CATHODE GLOW
       ...CATHODOLUMINESCENCE
       ...CHEMILUMINESCENCE
       ...ELECTROLUMINESCENCE
       ...FLUORESCENCE
       ....LASER INDUCED FLUORESCENCE
       ....PHOSPHORESCENCE
       ....RESONANCE FLUORESCENCE
       ....X RAY FLUORESCENCE
       ...LUNAR LUMINESCENCE
       ...OPTICAL RESONANCE
       ...PHOTOLUMINESCENCE
       ....TRIBOLUMINESCENCE
       ....X RAY FLUORESCENCE
       ...SHOCK WAVE LUMINESCENCE
       ...SONOLUMINESCENCE
       ...SPACECRAFT GLOW
       ...THERMOLUMINESCENCE
       .MICROWAVE EMISSION
       .PARTICLE EMISSION
       ..ELECTRON EMISSION
       ...FIELD EMISSION
       ...PHOTOELECTRIC EMISSION
       ...SECONDARY EMISSION
       ..ION EMISSION
       ..NEUTRON EMISSION
       ..THERMIONIC EMISSION
       .PHOTOIONIZATION
       .RADIO EMISSION
       ..CN EMISSION
       ..HYDROXYL EMISSION
       ..RADIO BURSTS
       ...SOLAR RADIO BURSTS
       ....TYPE 2 BURSTS
       ....TYPE 3 BURSTS
       ....TYPE 4 BURSTS
       ....TYPE 5 BURSTS
       ..SOLAR RADIO EMISSION
       ...SOLAR RADIO BURSTS
       ....TYPE 2 BURSTS
       ....TYPE 3 BURSTS
       ....TYPE 4 BURSTS
       ....TYPE 5 BURSTS
       .SELF SUSTAINED EMISSION
       .SPECTRAL EMISSION
       .SPONTANEOUS EMISSION
       .STIMULATED EMISSION
       .THERMAL EMISSION
       ..THERMIONIC EMISSION
       .ULTRAVIOLET EMISSION
       .WATER MASERS
  RT   AIRGLOW
       ATOMIC RECOMBINATION
       BURSTS
       DECAY
     % DISCHARGE
       EFFLUX
       EJECTION
       EMERGING
       EMITTERS
       EXCITATION
       IONIZING RADIATION
       IRRADIATION
       NUCLEAR REACTIONS
       PAIR PRODUCTION
       QUANTUM THEORY
     % RADIATION
       RADIOACTIVE DECAY
       RADIOACTIVITY
       RELEASING
       SELECTION RULES (NUCLEAR PHYSICS)
       SPUTTERING

EMISSION SPECTRA
```

0605 1411 2306 2310 2402 2403 2903
SN (LIMITED TO ELECTROMAGNETIC RADIATION OF ANY WAVELENGTH EMITTED FROM EXCITED MATTER--EXCLUDES PARTICLE SPECTRA)
GS SPECTRA
.RADIATION SPECTRA
.#EMISSION SPECTRA
RT ABSORPTION SPECTRA
ATOMIC RECOMBINATION
BALMER SERIES
CONTINUOUS RADIATION
D LINES
ELECTROMAGNETIC SPECTRA
ELECTRON SPECTROSCOPY
ELECTRONIC SPECTRA
FLAME SPECTROSCOPY
GAMMA RAY SPECTRA
GAMMA RAYS
H ALPHA LINE
H BETA LINE
H GAMMA LINE
H II REGIONS
H LINES
HYDROXYL EMISSION
INFRARED SPECTRA
K LINES
LINE SPECTRA
LYMAN SPECTRA
MOLECULAR SPECTRA
MOLECULAR SPECTROSCOPY
NUCLEAR RADIATION
OPTICAL EMISSION SPECTROSCOPY
OPTICAL TRANSITION
PASCHEN SERIES
PHOTOLUMINESCENT BANDS
PLASMA SPECTRA
RAMAN SPECTRA
RYDBERG SERIES
SCHUMANN-RUNGE BANDS
SOLAR SPECTRA
SOLAR SPECTROMETERS
SPECTRAL SIGNATURES
SPECTRUM ANALYSIS
SPONTANEOUS EMISSION
STELLAR SPECTRA
SWAN BANDS
SYMBIOTIC STARS
ULTRAVIOLET EMISSION
ULTRAVIOLET SPECTRA
VEGARD-KAPLAN BANDS
VISIBLE SPECTRUM
X RAY STARS
X RAYS

EMISSIVITY
0605 1411 2306 2310 2402 3406 2903
UF PHOTOEMISSIVITY
GS THERMODYNAMIC PROPERTIES
.THERMOPHYSICAL PROPERTIES
.#EMISSIVITY
RT BLACK BODY RADIATION
BRIGHTNESS
EMERGING
EMITTANCE
HOHLRAUMS
INCANDESCENCE
LUMINOSITY
NONGRAY ATMOSPHERES
NONGRAY GAS
OPTICAL MEASUREMENT
RADIANCE
RADIANT FLUX DENSITY
STEFAN-BOLTZMANN LAW
SURFACE PROPERTIES
TEMPERATURE
THERMAL EMISSION

EMISSOGRAPHS
USE ACTINOMETERS
RECORDING INSTRUMENTS

EMITTANCE
0605 1411 2306 2310 2402 3406
RT EMERGING
EMISSIVITY
FLUX (RATE)
LUMINOSITY
LUMINOUS INTENSITY
OPTICAL PROPERTIES
RADIANCE
RADIANT FLUX DENSITY
SPECTRAL EMISSION
THERMODYNAMIC PROPERTIES

EMITTERS
0906 1002 2602
GS #EMITTERS
.THERMIONIC CATHODES
.THERMIONIC EMITTERS
RT ELECTRON EMISSION
EMISSION
SEMICONDUCTORS (MATERIALS)

EMOTIONAL FACTORS
0408 0410
RT ANGINA PECTORIS
DETACHMENT
DISORDERS
DITHERS
FEEDBACK
FRUSTRATION
HUMAN REACTIONS
MOODS
PANIC
PHOBIAS
PSYCHOLOGICAL FACTORS
PSYCHOLOGY
SENSORY FEEDBACK
SENSORY STIMULATION

EMOTIONS
0408 0410
RT % DEPRESSION
FEAR
FEAR OF FLYING
FRUSTRATION
HUMAN BEHAVIOR
LAUGHING
MOODS
PANIC
PSYCHOLOGICAL EFFECTS
PSYCHOLOGY
SENSORY FEEDBACK

EMPENNAGE
USE TAIL ASSEMBLIES

EMPHYSEMA
0404 0405 0408
GS DISEASES
.RESPIRATORY DISEASES
.#EMPHYSEMA
RT OCCUPATIONAL DISEASES

EMPLOYEE RELATIONS
3402 3406
RT % COOPERATION
HUMAN RELATIONS
PERSONNEL
PERSONNEL DEVELOPMENT
PERSONNEL MANAGEMENT
POSITION (TITLE)
PRODUCTION MANAGEMENT
RETIREMENT
WAGE SURVEYS

EMPLOYMENT
3402 3406
RT PERSONNEL SELECTION
% TESTS

EMPTYING
0203 0208 1502
RT DISPOSAL

```
        DUMPING
        EJECTION
        EXPULSION
        EXPULSION BLADDERS
        JETTISONING
        MATERIALS HANDLING
        RELEASING
        REMOVAL
        SPILLING
        SPREADING
        UNLOADING

EMR 6050 COMPUTER
  0801
  GS    DATA PROCESSING EQUIPMENT
        .COMPUTERS
        ..DIGITAL COMPUTERS
        ..#EMR 6050 COMPUTER

EMULSIONS
  0603 1407 2403 2405
  GS    MIXTURES
        .DISPERSIONS
        .#EMULSIONS
        ...PHOTOGRAPHIC EMULSIONS
        ....NUCLEAR EMULSIONS
  RT    BROWNIAN MOVEMENTS
        COLLOIDS
        SLURRIES
        SOLUTIONS

ENAMELS
  1704 1801 1802
  GS    COATINGS
        #ENAMELS
        FINISHES
        #ENAMELS
  RT    PORCELAIN

ENARGITE
  1703 1806
  GS    CHALCOGENIDES
        .SULFIDES
        ..INORGANIC SULFIDES
        ...COPPER SULFIDES
        ...#ENARGITE
        COPPER COMPOUNDS
        .COPPER SULFIDES
        .#ENARGITE
        SULFUR COMPOUNDS
        .SULFIDES
        ..INORGANIC SULFIDES
        ...COPPER SULFIDES
        ...#ENARGITE

ENCAPSULATED MICROCIRCUITS
  1001
  GS    CIRCUITS
        .INTEGRATED CIRCUITS
        .#ENCAPSULATED MICROCIRCUITS
  RT    MICROELECTRONICS

ENCAPSULATING
  0203 0504 1002 1802 3404
  GS    COATING
        #ENCAPSULATING
        COATINGS
        #ENCAPSULATING
  RT    CANNING
        ELECTRONIC PACKAGING
        ELECTROSTATIC BONDING
        EMBEDDING
      % IMBEDDINGS
        MATERIALS HANDLING
        PACKAGING
        PLASTIC COATINGS
        POTTING COMPOUNDS
        PROTECTIVE COATINGS
        SEALING
        SHEATHS

ENCELADUS
  3001
  GS    CELESTIAL BODIES
        .NATURAL SATELLITES
        ..ICY SATELLITES
        ..#ENCELADUS
        ..SATURN SATELLITES
        ..#ENCELADUS
  RT    SATURN (PLANET)

ENCEPHALITIS
  0405
  GS    DISEASES
        #ENCEPHALITIS
  RT    BACTERIAL DISEASES
        BRAIN
        VIRAL DISEASES

ENCKE COMET
  3001
  GS    CELESTIAL BODIES
        .COMETS
        .#ENCKE COMET

ENCKE METHOD
  0102 1904 3006
  RT % METHODOLOGY

ENCLOSURE
  3407
  RT % CASING
        HOUSINGS
        PACKAGING

ENCLOSURES
  0202 1101 1105 1108 1504 3203 3501
  RT    AIR LOCKS
        ASTEROID CAPTURE
      % BARRIERS
        BIOPAKS
        CLOSURES
        COMPARTMENTS
      % CONTAINERS
        COVERINGS
        DOGHOUSES (ELECTRONICS)
      % ENVELOPES
        HOUSINGS
      % PENS
        PERFORATED SHELLS
        PRESSURE CHAMBERS
        PROTECTORS
        ROOMS
        SAFETY DEVICES
        SHELLS (STRUCTURAL FORMS)
        SHIELDING
        SHIPYARDS
        WALLS

ENCODERS
  USE   CODERS

ENCODING
  USE   CODING

ENCOUNTERS
  2308 2401 2404 2405 2502 3401
  RT    CRASHES
        SCATTERING

END EFFECTORS
  0503
  UF    FINGERS (ROBOTICS)
        HANDS (ROBOTICS)
        MECHANICAL FINGERS
        MECHANICAL HANDS
        ROBOT FINGERS
        ROBOT HANDS
  RT %  EFFECTORS
        MANIPULATORS
        ROBOT ARMS
        ROBOT DYNAMICS
        ROBOTICS
        ROBOTS
        TACTILE SENSORS (ROBOTICS)
```

```
      TORQUE SENSORS (ROBOTICS)

END MORAINES
  USE  GLACIAL DRIFT

END PLATES
  1504 3202
  GS   STRUCTURAL MEMBERS
       .PLATES (STRUCTURAL MEMBERS)
       .#END PLATES
  RT   ANISOTROPIC PLATES
       BULKHEADS
       CIRCULAR PLATES
       CLOSURES
       FLAT PLATES
       SHALLOW SHELL EQUATIONS

END-TO-END DATA SYSTEMS
  0708
  GS  #END-TO-END DATA SYSTEMS
       .NEEDS (DATA SYSTEM)
  RT % DATA
       DATA ACQUISITION
       DATA PROCESSING
       DATA SYSTEMS
     % SYSTEMS

ENDANGERED SPECIES
  0404
  RT   ANIMALS
       BIRDS
       ECOLOGY
       ECOSYSTEMS
       HABITATS
       POLLUTION
       TOXICITY
       WILDLIFE

ENDEAVOUR (ORBITER)
  3107 0205
  GS   MANNED SPACECRAFT
       .SPACE SHUTTLE ORBITERS
       .#ENDEAVOUR (ORBITER)
       REENTRY VEHICLES
       .RECOVERABLE SPACECRAFT
       ..REUSABLE SPACECRAFT
       ...SPACE SHUTTLE ORBITERS
       ...#ENDEAVOUR (ORBITER)
  RT   CHALLENGER (ORBITER)
     % SPACECRAFT

ENDFIRE ARRAYS
  0901
  GS   ARRAYS
       .ANTENNA ARRAYS
       ..LINEAR ARRAYS
       ..#ENDFIRE ARRAYS
       ....YAGI ANTENNAS
  RT   BACKFIRE ANTENNAS
       DIRECTIONAL ANTENNAS

ENDOCRINE GLANDS
  0404 0405 0408
  GS   ANATOMY
       .GLANDS (ANATOMY)
       .#ENDOCRINE GLANDS
       ...ADRENAL GLAND
       ...GONADS
       ....OVARIES
       ....TESTES
       ...HYPOTHALAMUS
       ...PANCREAS
       ...PARATHYROID GLAND
       ...PINEAL GLAND
       ...PITUITARY GLAND
       ...THYMUS GLAND
       ...THYROID GLAND
  RT   ENDOCRINOLOGY
       ESTROGENS

ENDOCRINE SECRETIONS
  0403
  GS   SECRETIONS
       #ENDOCRINE SECRETIONS
       ..HORMONES
       ...CORTICOSTEROIDS
       ....ALDOSTERONE
       ....HYDROXYCORTICOSTEROID
       .....CORTISONE
       ...ESTROGENS
       ...HYPERTENSIN
       ...PITUITARY HORMONES
       ....ADRENOCORTICOTROPIN (ACTH)
       ...PROSTAGLANDINS
       ...THYROXINE
       ..INSULIN

ENDOCRINE SYSTEMS
  0404 0405 0408
  RT   ENDOCRINOLOGY
       GLANDS (ANATOMY)
       HORMONES
       MINERAL METABOLISM
     % SYSTEMS

ENDOCRINOLOGY
  0404 0405
  GS   MEDICAL SCIENCE
       #ENDOCRINOLOGY
  RT   ENDOCRINE GLANDS
       ENDOCRINE SYSTEMS

ENDOLYMPH
  0404 0405 0408
  GS   BODY FLUIDS
       #ENDOLYMPH
  RT   EAR

ENDOPLASMIC RETICULUM
  0404 0406 0409
  GS   ORGANELLES
       #ENDOPLASMIC RETICULUM
       ..SARCOPLASMIC RETICULUM
  RT   CELLS (BIOLOGY)
       CYTOPLASM

ENDORADIOSONDES
  0202 0501 0701 0707 0708 1406 2402
  GS   MEASURING INSTRUMENTS
       .METEOROLOGICAL INSTRUMENTS
       ..RADIOSONDES
       ..#ENDORADIOSONDES
       .SONDES
       ..RADIOSONDES
       ..#ENDORADIOSONDES
       RADIO EQUIPMENT
       .RADIO TRANSMITTERS
       ..RADIOSONDES
       ..#ENDORADIOSONDES
       TRANSMITTERS
       .RADIO TRANSMITTERS
       ..RADIOSONDES
       ..#ENDORADIOSONDES

ENDOSCOPES
  0405 0501
  UF   BORESCOPES
  GS   MEDICAL EQUIPMENT
       #ENDOSCOPES
       OPTICAL EQUIPMENT
       #ENDOSCOPES
  RT   INSPECTION

ENDOTHELIUM
  0404
  GS   TISSUES (BIOLOGY)
       #ENDOTHELIUM
  RT   BLOOD VESSELS
       CELLS (BIOLOGY)

ENDOTHERMIC FUELS
  1808 2701 2702 3301
  GS   FUELS
       .CHEMICAL FUELS
       .#ENDOTHERMIC FUELS
```

RT CRYOGENIC ROCKET PROPELLANTS
DOUBLE BASE PROPELLANTS
GASEOUS ROCKET PROPELLANTS
HYDROCARBON FUELS
PROPELLANT DECOMPOSITION

ENDOTHERMIC REACTIONS
0603 3304
GS CHEMICAL REACTIONS
#ENDOTHERMIC REACTIONS
RT ASSOCIATION REACTIONS
EXOTHERMIC REACTIONS
HEAT SINKS
PYROLYSIS
THERMAL DECOMPOSITION

ENDOTOXINS
0403 0404 0412
GS POISONS
#ENDOTOXINS
TOXINS AND ANTITOXINS
#ENDOTOXINS
RT BACTERIOLOGY
TOXICOLOGY

ENDRIN
0412 1808
GS EPOXY COMPOUNDS
#ENDRIN
ORGANIC COMPOUNDS
.CYCLIC COMPOUNDS
..HETEROCYCLIC COMPOUNDS
..#ENDRIN
RT INSECTICIDES

% ENDURANCE
1505 3408
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT DURABILITY
FATIGUE (MATERIALS)

ENEMY PERSONNEL
3401
GS PERSONNEL
#ENEMY PERSONNEL
RT ARMED FORCES (FOREIGN)

ENERGETIC PARTICLE EXPLORER A
USE EXPLORER 12 SATELLITE

ENERGETIC PARTICLE EXPLORER B
USE EXPLORER 14 SATELLITE

ENERGETIC PARTICLE EXPLORER C
USE EXPLORER 15 SATELLITE

ENERGETIC PARTICLE EXPLORER D
USE EXPLORER 26 SATELLITE

ENERGETIC PARTICLES
1503 2903
GS PARTICLES
.CHARGED PARTICLES
.#ENERGETIC PARTICLES
...ELECTRONS
....CONDUCTION ELECTRONS
....HIGH ENERGY ELECTRONS
....HOT ELECTRONS
....N ELECTRONS
....NEGATRONS
....PI-ELECTRONS
...NUCLEI (NUCLEAR PHYSICS)
....EVEN-EVEN NUCLEI
....HEAVY NUCLEI
....HYPERNUCLEI
....ODD-EVEN NUCLEI
....ODD-ODD NUCLEI
...PLASMAS (PHYSICS)
....ARGON PLASMA
....BETA PARTICLES
....BOUNDARY LAYER PLASMAS
....COLD PLASMAS
....COLLISIONAL PLASMAS
.....STRONGLY COUPLED PLASMAS
....COLLISIONLESS PLASMAS
....COSMIC PLASMA
....CYLINDRICAL PLASMAS
....DENSE PLASMAS
.....PLASMA FOCUS
.....STRONGLY COUPLED PLASMAS
....ELECTRON PLASMA
....ELECTRON-POSITRON PLASMAS
....ELLIPTICAL PLASMAS
....HELIUM PLASMA
....HIGH TEMPERATURE PLASMAS
....HYDROGEN PLASMA
.....DEUTERIUM PLASMA
....LASER PLASMAS
....METALLIC PLASMAS
.....CESIUM PLASMA
....MICROPLASMAS
....NITROGEN PLASMA
....NONEQUILIBRIUM PLASMAS
....NONUNIFORM PLASMAS
....OXYGEN PLASMA
....RAREFIED PLASMAS
....RELATIVISTIC PLASMAS
....ROTATING PLASMAS
....SEMICONDUCTOR PLASMAS
....SPACE PLASMAS
.....SOLAR WIND
.....STELLAR WINDS
....SPHERICAL PLASMAS
....THERMAL PLASMAS
....TOROIDAL PLASMAS
RT GALACTIC COSMIC RAYS
RADIO JETS (ASTRONOMY)
SOLAR COSMIC RAYS

% ENERGY
0301 2311 2402
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT ACTIVATION ENERGY
BERNSTEIN ENERGY PRINCIPLE
CHEMICAL ENERGY
COMMERCIAL ENERGY
DOMESTIC ENERGY
ELECTRON ENERGY
ENERGY CONSERVATION
ENERGY CONVERSION EFFICIENCY
ENERGY OF FORMATION
ENTHALPY
ENTROPY
FLUX (RATE)
FLUX DENSITY
FREE ENERGY
HEAT
HYDROGEN-BASED ENERGY
INDUSTRIAL ENERGY
INTERFACIAL ENERGY
INTERNAL ENERGY
KINETIC ENERGY
MOLECULAR ENERGY LEVELS
NUCLEAR BINDING ENERGY
PARTICLE ENERGY
POTENTIAL ENERGY
PROTON ENERGY
RADIANT HEATING
SEISMIC ENERGY
SOLAR ENERGY
SOLAR TOTAL ENERGY SYSTEMS
STACKING FAULT ENERGY
STRAIN ENERGY METHODS
SURFACE ENERGY
THERMAL ENERGY
THERMONUCLEAR POWER GENERATION
TRANSPORTATION ENERGY
WATERWAVE ENERGY
WORK

ENERGY ABSORPTION

3407 3408
UF NONREFLECTION
GS #ENERGY ABSORPTION
.MODERATION (ENERGY ABSORPTION)
..THERMALIZATION (ENERGY ABSORPTION)
...NEUTRON THERMALIZATION
.RADIATION ABSORPTION
..ELECTROMAGNETIC ABSORPTION
...AURORAL ABSORPTION
...GAMMA RAY ABSORPTION
...INFRARED ABSORPTION
...MICROWAVE ABSORPTION
...MULTIPHOTON ABSORPTION
...PHOTOABSORPTION
...POLAR CAP ABSORPTION
...ULTRAVIOLET ABSORPTION
...X RAY ABSORPTION
..MOLECULAR ABSORPTION
..SELF ABSORPTION
.THERMAL ABSORPTION
..POLAR CAP ABSORPTION
RT ABSORBERS (MATERIALS)
% ABSORPTION
DAMPING
GAMMA RAY ABSORPTIOMETRY
HEAT SINKS
INFRARED RADIATION
LIGHT (VISIBLE RADIATION)
PHOTON ABSORPTIOMETRY
SHOCK ABSORBERS
SOUND TRANSMISSION
VIBRATION ISOLATORS

ENERGY ABSORPTION FILMS
0301 1802
GS THIN FILMS
#ENERGY ABSORPTION FILMS
RT % ABSORPTION
ALUMINUM OXIDES
COATINGS
DIRECT POWER GENERATORS
GOLAY DETECTOR CELLS
MONOMOLECULAR FILMS
PHOTOELECTRIC CELLS
PHOTOTHERMAL CONVERSION
SELECTIVE SURFACES
SEMICONDUCTING FILMS
SOLAR ENERGY

ENERGY BANDS
1002 1704 2404 2601 2602 2603
GS #ENERGY BANDS
.BLOCH BAND
.CONDUCTION BANDS
.FORBIDDEN BANDS
RT % BANDS
EXCITONS
LASER WINDOWS
QUANTUM WELLS
SPECTRAL BANDS
WINDOWS (INTERVALS)

ENERGY BUDGETS
1308
GS #ENERGY BUDGETS
.EARTH RADIATION BUDGET
.HEAT BUDGET
..ATMOSPHERIC HEAT BUDGET
RT % BUDGETS

ENERGY CONSERVATION
0301
GS CONSERVATION
#ENERGY CONSERVATION
RT % ENERGY
ENERGY POLICY
POWER FACTOR CONTROLLERS
RESIDENTIAL ENERGY
RESOURCE ALLOCATION
RESOURCES

ENERGY CONSUMPTION
1504
GS CONSUMPTION
#ENERGY CONSUMPTION
RT COAL UTILIZATION
COMMERCIAL ENERGY
DOMESTIC ENERGY
% ENERGY SOURCES
FUEL CONSUMPTION
INDUSTRIAL ENERGY

ENERGY CONVERSION
0301 0603 1201 2311 3303
GS #ENERGY CONVERSION
.BIOMASS ENERGY PRODUCTION
.GEOTHERMAL ENERGY CONVERSION
.OCEAN THERMAL ENERGY CONVERSION
.SATELLITE SOLAR ENERGY CONVERSION
.SOLAR ENERGY CONVERSION
..PHOTOTHERMAL CONVERSION
..PHOTOVOLTAIC CONVERSION
..SOLAR TOTAL ENERGY SYSTEMS
.WATERWAVE ENERGY CONVERSION
RT COGENERATION
COMMERCIAL ENERGY
% CONVERSION
DIRECT POWER GENERATORS
DOMESTIC ENERGY
GEOTHERMAL ENERGY EXTRACTION
HYDROGEN PRODUCTION
HYDROTHERMAL SYSTEMS
INDUSTRIAL ENERGY
INTEGRATED ENERGY SYSTEMS
LASER POWER BEAMING
LIGNITE
ORGANIC WASTES (FUEL CONVERSION)
POWER BEAMING
POWER CONDITIONING
SATELLITE SOLAR POWER STATIONS
SOLAR PONDS (HEAT STORAGE)
SOLAR SEA POWER PLANTS
SPACE INDUSTRIALIZATION
TRANSPORTATION ENERGY
WASTE ENERGY UTILIZATION

ENERGY CONVERSION EFFICIENCY
0301 1201
GS EFFICIENCY
#ENERGY CONVERSION EFFICIENCY
RT CARRIER TRANSPORT (SOLID STATE)
% CONVERSION
DIRECT POWER GENERATORS
ENERGY ABSORPTION
ENGINES
FUEL CELLS
% GENERATORS
MOTORS
OPEN CIRCUIT VOLTAGE
PHOTOTHERMAL CONVERSION
POWER CONDITIONING
POWER FACTOR CONTROLLERS
QUANTUM EFFICIENCY
REDOX CELLS
SPECTROPHOTOVOLTAICS
TIDE POWERED GENERATORS
TRANSDUCERS
VOLUMETRIC EFFICIENCY
WATERWAVE ENERGY CONVERSION

ENERGY CONVERTERS
USE DIRECT POWER GENERATORS

ENERGY DENSITY
USE FLUX DENSITY

ENERGY DISSIPATION
3407
UF ENERGY LOSS
GS DISSIPATION
#ENERGY DISSIPATION
RT FRICTION
INSERTION LOSS
LAGRANGE SIMILARITY HYPOTHESIS

```
        LOSSES
        NONADIABATIC THEORY
      % POWER LOSS
        TRAVELING CHARGE

ENERGY DISTRIBUTION
  2301 2304 2402 2403 2405 2502
  GS   DISTRIBUTION (PROPERTY)
       #ENERGY DISTRIBUTION
       ..SPECTRAL ENERGY DISTRIBUTION
  RT   EQUIPARTITION THEOREM
       FLUX DENSITY
       FORCE DISTRIBUTION
       INTEGRATED ENERGY SYSTEMS
       QUANTUM MECHANICS
       STATISTICAL MECHANICS

ENERGY EFFICIENCY TRANSPORT PROGRAM
  USE  ACEE PROGRAM

ENERGY EQUIPARTITION
  USE  EQUIPARTITION THEOREM

ENERGY EXCHANGE
  USE  ENERGY TRANSFER

ENERGY GAPS (SOLID STATE)
  2304
  UF   BANDGAP
  GS   GAPS
       #ENERGY GAPS (SOLID STATE)
  RT   BAND STRUCTURE OF SOLIDS
       MODFETS
       MODULATION DOPING
       QUANTUM WELL LASERS
       QUANTUM WELLS
       SOLID STATE
     % SOLID STATE PHYSICS

ENERGY LEVELS
  2306 2401 2402 2403 2404 2405
  UF   ELECTRONIC LEVELS
  GS   LEVEL (QUANTITY)
       #ENERGY LEVELS
       ..ATOMIC ENERGY LEVELS
       ..ELECTRON STATES
       ..GROUND STATE
       ..MOLECULAR ENERGY LEVELS
       ...INTERMOLECULAR FORCES
       ...ROTATIONAL STATES
       ...VIBRATIONAL STATES
  RT   ATOMIC EXCITATIONS
       ATOMIC STRUCTURE
       ELECTRON TUNNELING
       EXCITATION
       FERMI SURFACES
       MOLECULAR EXCITATION
       NUCLEAR CAPTURE
       NUCLEAR MODELS
       NUCLEAR QUADRUPOLE RESONANCE
       NUCLEAR SPIN
       NUCLEAR STRUCTURE
       POPULATION INVERSION
       QUANTUM NUMBERS
       QUANTUM THEORY

ENERGY LOSS
  USE  ENERGY DISSIPATION

ENERGY METHODS
  3203 3204
  GS   STRUCTURAL ANALYSIS
       #ENERGY METHODS
       ..BERNSTEIN ENERGY PRINCIPLE
       ..STRAIN ENERGY METHODS
  RT   CASTIGLIANO VARIATIONAL THEOREM
       MATRICES (MATHEMATICS)
     % METHODOLOGY
       STRESS ANALYSIS

ENERGY OF FORMATION
  0603 2311 2404 3304
  GS   CHEMICAL ENERGY
       #ENERGY OF FORMATION
  RT % ENERGY
       FREE ENERGY
       MOLECULAR ENERGY LEVELS

ENERGY POLICY
  1306 2202 2205 3402 3404 3406 3407
  GS   POLICIES
       #ENERGY POLICY
  RT   ABUNDANCE
       AVAILABILITY
       COAL
       COAL GASIFICATION
       COAL LIQUEFACTION
       COAL UTILIZATION
       CONSERVATION
       CRUDE OIL
       DEPLETION
     % DEVELOPMENT
       EARTH RESOURCES
       ECOLOGY
       ECONOMIC FACTORS
       ENERGY CONSERVATION
       FUEL OILS
       FUELS
       HYDROCARBON FUELS
       LAND USE
       LIGNITE
       LOGISTICS
       MINING
     % NUCLEAR ENERGY
       NUCLEAR FUELS
       OIL EXPLORATION
       OILS
       OPERATING COSTS
       POLLUTION
       REFINING
       RESERVES
       RESOURCE ALLOCATION
       RESOURCES
       SAFETY

ENERGY REQUIREMENTS
  0404 2311 3408
  RT % ENERGY SOURCES
       FUEL CONSUMPTION
     % POWER SUPPLIES

% ENERGY SOURCES
  0301 0904 2204
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   ATMOSPHERIC ENERGY SOURCES
       AUXILIARY POWER SOURCES
       BIOMASS ENERGY PRODUCTION
       ELECTRIC BATTERIES
       ELECTRIC GENERATORS
       ELECTRON SOURCES
       ENERGY CONSUMPTION
       ENERGY REQUIREMENTS
       ENERGY TECHNOLOGY
       GEOTHERMAL RESOURCES
       HEAT SOURCES
       LITHIUM SULFUR BATTERIES
       OCEAN THERMAL ENERGY CONVERSION
       PLASMA POWER SOURCES
       POINT SOURCES
       PROPELLANTS
       RECTIFIERS
       SPACECRAFT POWER SUPPLIES
       TIDEPOWER
       WATERWAVE ENERGY CONVERSION

ENERGY SPECTRA
  2306 2310 2402 2403 2901 2902 2903
  GS   SPECTRA
       #ENERGY SPECTRA
       ..ELECTRONIC SPECTRA
       ..NEUTRON SPECTRA
  RT   ABSORPTION SPECTRA
       ELECTROMAGNETIC SPECTRA
```

```
      GAMMA RAY ASTRONOMY
      GRIST (TELESCOPE)
      MASS SPECTRA
      MOLECULAR SPECTRA
      PLASMA SPECTRA
      POWER SPECTRA
      RADIATION SPECTRA
      SHOCK SPECTRA
      SPECTRAL ENERGY DISTRIBUTION
      SPECTROPHOTOVOLTAICS
      VIBRATIONAL SPECTRA

ENERGY STORAGE
  0303 1002 1504 2201 3304 3404
  UF   ENERGY STORAGE DEVICES
  GS  #ENERGY STORAGE
       .ELECTRIC ENERGY STORAGE
       .HEAT STORAGE
       .MAGNETIC ENERGY STORAGE
  RT   CAPACITORS
       COMPRESSED AIR
       ELECTRETS
       ELECTRIC BATTERIES
       FLYWHEELS
       FUEL CELLS
       FUELS
       GEOTHERMAL ENERGY UTILIZATION
       HEAT SOURCES
       INDUCTORS
       LEAD ACID BATTERIES
       NICKEL HYDROGEN BATTERIES
     % NUCLEAR ENERGY
       POTENTIAL ENERGY
       REDOX CELLS
       REGENERATORS
       ROADWAY POWERED VEHICLES
       SPACE STATION POWER SUPPLIES
       SPRINGS (ELASTIC)
     % STORAGE
       SUPERCONDUCTORS

ENERGY STORAGE DEVICES
  USE  ENERGY STORAGE

ENERGY TECHNOLOGY
  0602 0603 1504 2311 3404
  GS   TECHNOLOGIES
       #ENERGY TECHNOLOGY
       ..GEOTHERMAL TECHNOLOGY
  RT   ATMOSPHERIC ENERGY SOURCES
       BIOMASS ENERGY PRODUCTION
       COAL UTILIZATION
       COMBINED CYCLE POWER GENERATION
       EARTH RESOURCES
       ELECTROSTATIC BONDING
     % ENERGY SOURCES
       FUEL CELL POWER PLANTS
       GAS RECOVERY
       GEOTHERMAL ENERGY EXTRACTION
       HEAT ENGINES
       HYDROCARBON FUEL PRODUCTION
       HYDROGEN-BASED ENERGY
       LIGNITE
       MAGNETIC ENERGY STORAGE
       OFFSHORE ENERGY SOURCES
       OIL RECOVERY
       PHOSPHORIC ACID FUEL CELLS
       PHOTOELECTROCHEMICAL DEVICES
       PHOTOTHERMAL CONVERSION
       QUANTUM EFFICIENCY
       RESIDENTIAL ENERGY
       SOLAR COOLING
       SOLAR ENERGY CONVERSION
       SOLAR HOUSES
       SPACE COOLING (BUILDINGS)
       TROMBE WALLS
       WASTE HEAT

ENERGY TRANSFER
  2311 2402 2403 2404 3303 3304 3501
  UF   ENERGY EXCHANGE
  GS  #ENERGY TRANSFER
       .LINEAR ENERGY TRANSFER (LET)
  RT   ACOUSTIC COUPLING
       ANTENNA COUPLERS
       COUPLING CIRCUITS
       CYCLOTRON RESONANCE
       ELECTRON PUMPING
       GAS TRANSPORT
       GAS-LIQUID INTERACTIONS
       HEAT TRANSFER
       HEISENBERG THEORY
       LAGRANGE SIMILARITY HYPOTHESIS
       MASS TRANSFER
       MOMENTUM TRANSFER
       NONADIABATIC CONDITIONS
       NONISOTHERMAL PROCESSES
       NUCLEAR PUMPING
       PLASMA HEATING
       POYNTING THEOREM
       RADIATIVE TRANSFER
       TERMINAL BALLISTICS
       TRANSFERRING

ENGINE AIRFRAME INTEGRATION
  0102
  RT   AERODYNAMIC CHARACTERISTICS
       AERODYNAMIC CONFIGURATIONS
       AIRCRAFT DESIGN
       AIRCRAFT ENGINES
       AIRFRAMES

ENGINE ANALYZERS
  1406 3501
  GS   MEASURING INSTRUMENTS
       .ANALYZERS
       .#ENGINE ANALYZERS

ENGINE CONTROL
  2102 2801 2805 2808
  GS  #ENGINE CONTROL
       .ROCKET ENGINE CONTROL
       .TURBOJET ENGINE CONTROL
  RT   AIR START
       AIRCRAFT CONTROL
       AUTOMATIC CONTROL
       COMBUSTION CONTROL
     % CONTROL
       ELECTRIC CONTROL
       FLIGHT INSTRUMENTS
       FUEL CONTROL
       HYDRAULIC CONTROL
       MANUAL CONTROL
       PNEUMATIC CONTROL
       REMOTE CONTROL
       SPACECRAFT CONTROL
       SPEED CONTROL
       TEMPERATURE CONTROL
       THRUST CONTROL
       VARIABLE STREAM CONTROL ENGINES

ENGINE COOLANTS
  1803 2801 2805 2808
  GS   COOLANTS
       #ENGINE COOLANTS
  RT   COOLING
       COOLING SYSTEMS

ENGINE DESIGN
  2801 2805 2808 3404
  GS  #ENGINE DESIGN
       .ROCKET ENGINE DESIGN
  RT   AIRCRAFT DESIGN
       COMPUTER AIDED DESIGN
     % DESIGN
       HELICOPTER DESIGN
       MISSILE DESIGN
       NOZZLE DESIGN
       PRODUCT DEVELOPMENT
       REACTOR DESIGN
       SPACECRAFT DESIGN
       STIRLING ENGINES
       VOLUMETRIC EFFICIENCY

ENGINE FAILURE
```

```
  2801 2805 2808
  GS   FAILURE
       #ENGINE FAILURE
  RT   ABORTED MISSIONS
     % CUT-OFF
       INGESTION (ENGINES)
     % STALLING

ENGINE INLETS
  1504 2801 2805 2808
  GS   INTAKE SYSTEMS
       .AIR INTAKES
       .#ENGINE INLETS
  RT   BYPASS RATIO
       CAVITY FLOW
     % DIFFUSERS
       HYPERSONIC INLETS
       INLET AIRFRAME CONFIGURATIONS
       INLET NOZZLES
       INLET TEMPERATURE
       INTERNAL COMPRESSION INLETS
       NACELLES

ENGINE MONITORING INSTRUMENTS
  2801 2805 2808
  GS   MEASURING INSTRUMENTS
       #ENGINE MONITORING INSTRUMENTS
  RT   FAULT DETECTION
       FLIGHT INSTRUMENTS

ENGINE NOISE
  2301 2801 2805 2808
  GS   ELASTIC WAVES
       .SOUND WAVES
       ..NOISE (SOUND)
       ..#ENGINE NOISE
       ....ROCKET ENGINE NOISE
  RT   AIRCRAFT NOISE
       AIRCRAFT RUNUP
       JET AIRCRAFT NOISE
       PROPELLER NOISE
       QUIET ENGINE PROGRAM

ENGINE PARTS
  0905 1504 2801 2805 2808
  RT   CARBURETORS
       CLUTCHES
       COMBUSTION CHAMBERS
     % COMPONENTS
       DUMP COMBUSTORS
       FLYWHEELS
       INTERNAL COMBUSTION ENGINES
       PISTONS
       RETIREMENT FOR CAUSE
       ROCKET LININGS
       SPARE PARTS
       TURBINE BLADES
       TURBINE WHEELS
       VALVES

ENGINE PRIMERS
  2801 2805 2808
  RT   INTERNAL COMBUSTION ENGINES
     % PRIMERS
       STARTING

ENGINE RELIGHT (IN-FLIGHT)
  USE  AIR START

ENGINE STARTERS
  0905 1504 2801 2805 2808
  GS   STARTERS
       #ENGINE STARTERS
  RT   ENGINES
       INTERNAL COMBUSTION ENGINES
       JET ENGINES

ENGINE TESTING LABORATORIES
  1108 3501
  GS   LABORATORIES
       #ENGINE TESTING LABORATORIES
       TEST FACILITIES
       #ENGINE TESTING LABORATORIES
  RT   ENGINES

ENGINE TESTS
  1108 2801 2805 2808
  GS  #ENGINE TESTS
       .COLD FLOW TESTS
       .PREFIRING TESTS
       .SPACE ELECTRIC ROCKET TESTS
       .STATIC FIRING
  RT   AIRCRAFT RUNUP
       ALTITUDE TESTS
       CAPTIVE TESTS
       FLIGHT TESTS
       FUEL TESTS
       FULL SCALE TESTS
       GROUND TESTS
       LUBRICANT TESTS
       MISSILE TESTS
       NONDESTRUCTIVE TESTS
       PRELAUNCH TESTS
       PROPELLANT TESTS
       PROPULSIVE EFFICIENCY
       ROCKET ENGINE DESIGN
       ROCKET TEST FACILITIES
       SERT 1 SPACECRAFT
       SERT 2 SPACECRAFT
       STATIC TESTS
       STIRLING ENGINES
       TEST FIRING
       TEST STANDS
       TESTING TIME
     % TESTS
       VIBRATION TESTS

% ENGINEERING
  3404 3406
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   AERONAUTICAL ENGINEERING
       AEROSPACE ENGINEERING
       AIRCRAFT PRODUCTION COSTS
       ANTHROPOMETRY
       BIOENGINEERING
       BIOINSTRUMENTATION
       BIOMETRICS
       BIOTELEMETRY
       BODY MEASUREMENT (BIOLOGY)
       CHEMICAL ENGINEERING
       ELECTRICAL ENGINEERING
       ENVIRONMENTAL ENGINEERING
       HUMAN FACTORS ENGINEERING
       MAN MACHINE SYSTEMS
       MECHANICAL ENGINEERING
       PRODUCTION ENGINEERING
       REACTOR TECHNOLOGY
       RELIABILITY ENGINEERING
       SOFTWARE ENGINEERING
       STRUCTURAL ENGINEERING
       SYSTEMS ENGINEERING
       UNDERWATER ENGINEERING
       VALUE ENGINEERING

ENGINEERING DEVELOPMENT
  USE  PRODUCT DEVELOPMENT

ENGINEERING DRAWINGS
  0201 3404 3407
  UF   MECHANICAL DRAWINGS
  GS   DOCUMENTS
       #ENGINEERING DRAWINGS
       ..BLUEPRINTS
       DRAWINGS
       #ENGINEERING DRAWINGS
       ..BLUEPRINTS
  RT   CIRCUIT DIAGRAMS
       DESCRIPTIVE GEOMETRY
     % DESIGN
       DIMENSIONS
       GRAPHIC ARTS
       LAYOUTS
       LOFTING
```

```
      REPRODUCTION (COPYING)

ENGINEERING MANAGEMENT
  3404 3406 3409 4001
  GS   MANAGEMENT
       .INDUSTRIAL MANAGEMENT
       .#ENGINEERING MANAGEMENT
  RT   ALLOCATIONS
     % BUDGETS
       GOALS
       MANPOWER
       PRIORITIES
       RESEARCH MANAGEMENT
       RESOURCE ALLOCATION
       RESOURCES

ENGINEERING TEST REACTORS
  1108 2204 3404
  UF   ETR (REACTORS)
  GS   NUCLEAR REACTORS
       #ENGINEERING TEST REACTORS
  RT   REACTOR DESIGN
       REACTOR TECHNOLOGY

ENGINEERS
  3404 3406
  GS   MANPOWER
       #ENGINEERS
       PERSONNEL
       #ENGINEERS
  RT   AWARDS
       SCIENTISTS

ENGINES
  0301 1504 2801 2808
  SN   (LIMITED TO MACHINES WITH
       SELF-CONTAINED POWER SOURCES FOR
       CONTINUOUS OPERATION--SEE MOTORS
       FOR MACHINES UTILIZING EXTERNAL
       POWER SOURCES FOR NORMAL OPERATION)
  UF   GAS GENERATOR ENGINES
  GS  #ENGINES
       .AIR BREATHING ENGINES
       ..GAS TURBINE ENGINES
       ...JET ENGINES
       ....RAMJET ENGINES
       .....INTEGRAL ROCKET RAMJETS
       .....LOW VOLUME RAMJET ENGINES
       .....PULSEJET ENGINES
       .....SUPERSONIC COMBUSTION RAMJET
            ENGINES
       .....TURBORAMJET ENGINES
       ....TURBOJET ENGINES
       .....BRISTOL-SIDDELEY OLYMPUS 593
            ENGINE
       .....BRISTOL-SIDDELEY VIPER ENGINE
       .....DUCTED FAN ENGINES
       .....J-33 ENGINE
       .....J-34 ENGINE
       .....J-47 ENGINE
       .....J-57 ENGINE
       .....J-57-P-20 ENGINE
       .....J-65 ENGINE
       .....J-69-T-25 ENGINE
       .....J-71 ENGINE
       .....J-73 ENGINE
       .....J-75 ENGINE
       .....J-79 ENGINE
       .....J-85 ENGINE
       .....J-93 ENGINE
       .....RA-28 ENGINE
       .....TURBOFAN ENGINES
       ......BRISTOL-SIDDELEY BS 53 ENGINE
       ......CF-700 ENGINE
       ......CONVERTIBLE FAN-SHAFT ENGINES
       ......J-97 ENGINE
       ......TF-41 ENGINE
       .....TURBOPROP ENGINES
       ......T-53 ENGINE
       ......T-56 ENGINE
       ......T-64 ENGINE
       ......T-74 ENGINE
       .....TURBORAMJET ENGINES
       ...T-58-GE-8B ENGINE
       .EXTERNAL COMBUSTION ENGINES
       ..STIRLING ENGINES
       .INTERNAL COMBUSTION ENGINES
       ..DIESEL ENGINES
       ..GAS TURBINE ENGINES
       ...HYDROGEN ENGINES
       ...JET ENGINES
       ....RAMJET ENGINES
       .....INTEGRAL ROCKET RAMJETS
       .....LOW VOLUME RAMJET ENGINES
       .....PULSEJET ENGINES
       .....SUPERSONIC COMBUSTION RAMJET
            ENGINES
       .....TURBORAMJET ENGINES
       ....T-63 ENGINE
       ....T-76 ENGINE
       ....TURBOJET ENGINES
       .....BRISTOL-SIDDELEY OLYMPUS 593
            ENGINE
       .....BRISTOL-SIDDELEY VIPER ENGINE
       .....DUCTED FAN ENGINES
       .....J-33 ENGINE
       .....J-34 ENGINE
       .....J-47 ENGINE
       .....J-52 ENGINE
       .....J-57 ENGINE
       .....J-57-P-20 ENGINE
       .....J-65 ENGINE
       .....J-69-T-25 ENGINE
       .....J-71 ENGINE
       .....J-73 ENGINE
       .....J-75 ENGINE
       .....J-79 ENGINE
       .....J-85 ENGINE
       .....J-93 ENGINE
       .....RA-28 ENGINE
       .....TURBOFAN ENGINES
       ......BRISTOL-SIDDELEY BS 53 ENGINE
       ......CF-700 ENGINE
       ......CONVERTIBLE FAN-SHAFT ENGINES
       ......J-97 ENGINE
       ......TF-30 ENGINE
       ......TF-41 ENGINE
       .....TURBOPROP ENGINES
       ......T-34 ENGINE
       ......T-38 ENGINE
       ......T-53 ENGINE
       ......T-56 ENGINE
       ......T-64 ENGINE
       ......T-74 ENGINE
       ......T-78 ENGINE
       .....TURBORAMJET ENGINES
       ...T-58 ENGINE
       ...T-58-GE-8B ENGINE
       ..HELICOPTER ENGINES
       ..ROTARY ENGINES
       ...WANKEL ENGINES
       .JATO ENGINES
       .MARQUARDT R4D ENGINE
       .PISTON ENGINES
       ..DIESEL ENGINES
       ..FREE-PISTON ENGINES
       ..STIRLING ENGINES
       .PULSED JET ENGINES
       .ROCKET ENGINES
       ..BOOSTER ROCKET ENGINES
       ...AJ-10 ENGINE
       ...ALGOL ENGINE
       ...APOGEE BOOST MOTORS
       ...H-1 ENGINE
       ...LR-87-AJ-5 ENGINE
       ...M-1 ENGINE
       ...M-55 ENGINE
       ...MA-2 ENGINE
       ...MA-3 ENGINE
       ...MA-5 ENGINE
       ...NIKE BOOSTER ROCKET ENGINES
       ...P-1 ENGINE
       ...ROCKET ENGINE 9KS-11000
       ...SPACE SHUTTLE BOOSTERS
       ....ADVANCED SOLID ROCKET MOTOR
```

(STS)
...X-405 ENGINE
..DUCTED ROCKET ENGINES
..ELECTRIC ROCKET ENGINES
...ELECTROSTATIC ENGINES
...ELECTROTHERMAL ENGINES
....ARC JET ENGINES
....RESISTOJET ENGINES
...ION ENGINES
....CESIUM ENGINES
....MERCURY ION ENGINES
....RIT ENGINES
..HEUS ROCKET ENGINES
..HOT WATER ROCKET ENGINES
..HYBRID PROPELLANT ROCKET ENGINES
...LITHERGOL ROCKET ENGINES
..LIQUID PROPELLANT ROCKET ENGINES
...AJ-10 ENGINE
...F-1 ROCKET ENGINE
...H-1 ENGINE
...HYDRAZINE ENGINES
...HYDROGEN OXYGEN ENGINES
....J-2 ENGINE
....M-1 ENGINE
....RL-10-A-1 ENGINE
....RL-10-A-3 ENGINE
...LIQUID AIR CYCLE ENGINES
...LR-62-RM-2 ENGINE
...LR-87-AJ-5 ENGINE
...LR-91-AJ-5 ENGINE
...LR-99 ENGINE
...MA-2 ENGINE
...MA-3 ENGINE
...MA-5 ENGINE
...OXYGEN-HYDROCARBON ROCKET ENGINES
...RL-10 ENGINES
....RL-10-A-1 ENGINE
....RL-10-A-3 ENGINE
...SPACE SHUTTLE MAIN ENGINE
...X-405 ENGINE
...XLR-99 ENGINE
...YLR-91-AJ-1 ENGINE
..M-100 ENGINE
..MICROROCKET ENGINES
...ORBIT MANEUVERING ENGINE (SPACE SHUTTLE)
..NOZZLELESS ROCKET ENGINES
..NUCLEAR ENGINE FOR ROCKET VEHICLES
..NUCLEAR RAMJET ENGINES
..NUCLEAR ROCKET ENGINES
...NUCLEAR LIGHTBULB ENGINES
..RESTARTABLE ROCKET ENGINES
..RETROROCKET ENGINES
...BE-3 ENGINE
..REUSABLE ROCKET ENGINES
..SOLID PROPELLANT ROCKET ENGINES
...ALGOL ENGINE
...APOGEE BOOST MOTORS
...ASROC ENGINE
...HERCULES ENGINE
...M-46 ENGINE
...M-55 ENGINE
...M-56 ENGINE
...M-57 ENGINE
...NIKE BOOSTER ROCKET ENGINES
...P-1 ENGINE
...SL-3 ROCKET ENGINE
...SPACE SHUTTLE BOOSTERS
....ADVANCED SOLID ROCKET MOTOR (STS)
...SYNCOM APOGEE ENGINES
...TU-121 ENGINE
...TX-77 ENGINE
...TX-354 ENGINE
...X-248 ENGINE
...X-254 ENGINE
...X-258 ENGINES
....X-258-B1 ENGINE
...X-259 ENGINE
...XM-33 ENGINE
..SUSTAINER ROCKET ENGINES
..TURBOROCKET ENGINES
..ULLAGE ROCKET ENGINES
..UPPER STAGE ROCKET ENGINES
..VERNIER ENGINES
...SYNCOM APOGEE ENGINES
.TORPEDO ENGINES
..TURBOROCKET ENGINES
..ULLAGE ROCKET ENGINES
..VERNIER ENGINES
...CONTROL ROCKETS
...SYNCOM APOGEE ENGINES
.TURBINE ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....RAMJET ENGINES
.....LOW VOLUME RAMJET ENGINES
.....PULSEJET ENGINES
.....SUPERSONIC COMBUSTION RAMJET ENGINES
.....TURBORAMJET ENGINES
....T-63 ENGINE
....T-76 ENGINE
....TURBOJET ENGINES
.....BRISTOL-SIDDELEY OLYMPUS 593 ENGINE
.....BRISTOL-SIDDELEY VIPER ENGINE
.....DUCTED FAN ENGINES
.....J-33 ENGINE
.....J-34 ENGINE
.....J-47 ENGINE
.....J-52 ENGINE
.....J-57 ENGINE
.....J-57-P-20 ENGINE
.....J-65 ENGINE
.....J-69-T-25 ENGINE
.....J-71 ENGINE
.....J-73 ENGINE
.....J-75 ENGINE
.....J-79 ENGINE
.....J-85 ENGINE
.....J-93 ENGINE
.....RA-28 ENGINE
.....TURBOFAN ENGINES
.....BRISTOL-SIDDELEY BS 53 ENGINE
.....CF-700 ENGINE
.....CONVERTIBLE FAN-SHAFT ENGINES
.....J-97 ENGINE
.....TF-30 ENGINE
.....TF-41 ENGINE
.....TURBOPROP ENGINES
.....T-34 ENGINE
.....T-38 ENGINE
.....T-53 ENGINE
.....T-56 ENGINE
.....T-64 ENGINE
.....T-74 ENGINE
.....T-78 ENGINE
.....TURBORAMJET ENGINES
...T-58 ENGINE
...T-58-GE-8B ENGINE
.VARIABLE CYCLE ENGINES
.VARIABLE STREAM CONTROL ENGINES
RT AUXILIARY PROPULSION
CARBURETORS
COMBUSTION CHAMBERS
DISPLACEMENT
ENERGY CONVERSION EFFICIENCY
ENGINE STARTERS
ENGINE TESTING LABORATORIES
EXHAUST SYSTEMS
EXPENDABLE STAGES (SPACECRAFT)
FUEL CONSUMPTION
FUEL SYSTEMS
GEOTHERMAL ENERGY CONVERSION
HEAT ENGINES
HEAT SOURCES
IGNITION SYSTEMS
LUBRICATION
% MACHINERY
MISSILE COMPONENTS
MOTORS
% POWER PLANTS

```
      PROPULSION
      REACTION PRODUCTS
      SHUTDOWNS
      SPEED REGULATORS
      SUPERSONIC COMBUSTION
      THERMODYNAMIC EFFICIENCY
      THERMODYNAMICS
      TRANSPORTATION ENERGY
      TURBINES
    % VEHICLES

ENGLAND
  1305
  GS   NATIONS
       .UNITED KINGDOM
       .#ENGLAND
  RT   EUROPE

ENGLISH CHANNEL
  1305 1306
  RT   ATLANTIC OCEAN
       FRANCE
       NORTH SEA
       UNITED KINGDOM

ENGLISH ELECTRIC CANBERRA AIRCRAFT
  USE  CANBERRA AIRCRAFT

ENGLISH LANGUAGE
  0702 3402
  GS   LANGUAGES
       #ENGLISH LANGUAGE
  RT   SPEECH
       WORDS (LANGUAGE)

ENGRAVING
  0602 0604 1704 2601
  RT   ETCHING
       PRINTING

ENHANCEMENT
  USE  AUGMENTATION

ENLARGING
  USE  EXPANSION

ENO SCHEMES
  USE  ESSENTIALLY NON-OSCILLATORY SCHEMES

ENRICHMENT
  0602 1504 3407
  GS  #ENRICHMENT
       .ISOTOPIC ENRICHMENT
       ..JET MEMBRANE PROCESS
  RT   BENEFICIATION
       CONCENTRATING
       PURIFICATION
       REFINING
       UPGRADING

ENRICO FERMI ATOMIC POWER PLANT
  2203 2204
  GS   ELECTRIC POWER PLANTS
       .NUCLEAR POWER PLANTS
       .#ENRICO FERMI ATOMIC POWER PLANT
       NUCLEAR ELECTRIC POWER GENERATION
       .NUCLEAR POWER PLANTS
       .#ENRICO FERMI ATOMIC POWER PLANT
  RT   BREEDER REACTORS
       FAST NUCLEAR REACTORS
       LIQUID METAL COOLED REACTORS
     % POWER PLANTS

ENSKOG-CHAPMAN THEORY
  USE  CHAPMAN-ENSKOG THEORY

ENSTATITE
  1804 1806 3001
  GS   CHALCOGENIDES
       .OXIDES
       ..PYROXENES
       ..#ENSTATITE
       MAGNESIUM COMPOUNDS
       #ENSTATITE
       MINERALS
       .PYROXENES
       .#ENSTATITE
       SILICON COMPOUNDS
       .SILICATES
       ..PYROXENES
       ..#ENSTATITE
  RT   CHONDRULE
       IGNEOUS ROCKS
       REGOLITH
       ROCKS
       SOILS

ENSTROPHY
  USE  VORTICITY

ENTERPRISE (ORBITER)
  3107 0205
  UF   SPACE SHUTTLE ORBITER 101
  GS   MANNED SPACECRAFT
       .SPACE SHUTTLE ORBITERS
       .#ENTERPRISE (ORBITER)
       REENTRY VEHICLES
       .RECOVERABLE SPACECRAFT
       ..REUSABLE SPACECRAFT
       ...SPACE SHUTTLE ORBITERS
       ...#ENTERPRISE (ORBITER)
  RT   MANNED SPACE FLIGHT
     % SPACECRAFT

ENTHALPY
  3304
  UF   HEAT CONTENT
  GS   HEAT
       #ENTHALPY
       ..GIBBS FREE ENERGY
       ..HEAT OF DISSOCIATION
       ..HEAT OF FORMATION
       ..HEAT OF SOLUTION
       ..LATENT HEAT
       ...HEAT OF FUSION
       ...HEAT OF VAPORIZATION
       THERMODYNAMIC PROPERTIES
       #ENTHALPY
       ..GIBBS FREE ENERGY
       ..HEAT OF DISSOCIATION
       ..HEAT OF FORMATION
       ..HEAT OF SOLUTION
       ..LATENT HEAT
       ...HEAT OF FUSION
       ...HEAT OF VAPORIZATION
  RT   ADIABATIC CONDITIONS
       DRYING
     % ENERGY
       ENTROPY
       FREE ENERGY
       GIBBS-HELMHOLTZ EQUATIONS
       HEAT MEASUREMENT
       JOULE-THOMSON EFFECT
       MOLLIER DIAGRAM
       SPECIFIC HEAT
       THERMOCHEMISTRY
       THERMODYNAMICS

ENTHALPY-ENTROPY DIAGRAMS
  USE  MOLLIER DIAGRAM

ENTIRE FUNCTIONS
  1902
  UF   INTEGRAL FUNCTIONS
  GS   ANALYSIS (MATHEMATICS)
       .COMPLEX VARIABLES
       ..ANALYTIC FUNCTIONS
       ..#ENTIRE FUNCTIONS
       FUNCTIONS (MATHEMATICS)
       .ANALYTIC FUNCTIONS
       .#ENTIRE FUNCTIONS

ENTOMOLOGY
  0402 0404
  RT   INSECTICIDES
```

INSECTS
% SCIENCE
% ZOOLOGY

ENTRAINMENT
1201 1202 1203
RT AERATION
AEROSOLS
BLOWING
COANDA EFFECT
DISPERSING
SPRAYING
SUSPENDING (MIXING)

ENTRANCES
1411 2310
RT CURTAINS
DOORS
INTAKE SYSTEMS
% THRESHOLDS
TRANSFER TUNNELS

ENTRAPMENT
1504 3407
RT ACCUMULATORS
CONFUSION
ESCAPE (ABANDONMENT)
RADIATION BELTS
TANGLING
TRAPS

ENTROPY
0703 3304
GS THERMODYNAMIC PROPERTIES
#ENTROPY
RT CROCCO METHOD
% ENERGY
ENTHALPY
HEAT
MAXIMUM ENTROPY METHOD
MOLLIER DIAGRAM
NONISENTROPICITY
SHANNON-WIENER MEASURE
TEPHIGRAMS
THERMOCHEMISTRY
THERMODYNAMICS

ENTROPY (STATISTICS)
1902
GS #ENTROPY (STATISTICS)
.MAXIMUM ENTROPY METHOD
.MINIMUM ENTROPY METHOD
RT % STATISTICS

% ENTRY
3009 3105 3407
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT ATMOSPHERIC ENTRY
REENTRY

ENTRY GUIDANCE (STS)
2102
GS GUIDANCE (MOTION)
#ENTRY GUIDANCE (STS)
RT ATMOSPHERIC ENTRY
FLIGHT CONTROL
HYPERSONIC REENTRY
POINTING CONTROL SYSTEMS
SPACE SHUTTLES
SPACE TRANSPORTATION SYSTEM FLIGHTS
SPACECRAFT REENTRY
TERMINAL GUIDANCE

ENUMERATION
1902 3406 3407
RT COUNTING
LISTS
NUMBER THEORY

% ENVELOPES
1902
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT COVERINGS
ENCLOSURES
FLIGHT ENVELOPES
LIMITS (MATHEMATICS)
STELLAR ENVELOPES

ENVIRONMENT EFFECTS
0402 0404 0412 0504 1301 1306 1308
1310
SN (EFFECTS ON ENVIRONMENT)
RT AIR POLLUTION
COASTAL ECOLOGY
COASTAL WATER
CONTAMINANTS
CONTAMINATION
DEBRIS
DEFORESTATION
% EFFECTS
ENVIRONMENTS
EUTROPHICATION
EXHAUST GASES
GREENHOUSE EFFECT
HABITATS
ICE ENVIRONMENTS
MAN ENVIRONMENT INTERACTIONS
MARINE BIOLOGY
MARINE ENVIRONMENTS
METABOLIC WASTES
NOISE POLLUTION
POISONS
POLLUTION
SEWAGE
SOIL EROSION
THERMAL POLLUTION
WASTE DISPOSAL
WASTES
WATER POLLUTION
WATER QUALITY
WATER RESOURCES
WETLANDS
WILDLIFE

ENVIRONMENT MANAGEMENT
1308 2003 3406
GS MANAGEMENT
#ENVIRONMENT MANAGEMENT
RT CONSERVATION
EARTH RESOURCES
ENVIRONMENTAL MONITORING
LAND MANAGEMENT
LAND USE
MAN ENVIRONMENT INTERACTIONS
RESOURCES MANAGEMENT
WATER MANAGEMENT
WATER RESOURCES

ENVIRONMENT MODELS
0501 0504 1107 1108
GS MODELS
#ENVIRONMENT MODELS
RT ATMOSPHERIC MODELS
EXOBIOLOGY
TEST CHAMBERS

ENVIRONMENT POLLUTION
0411 0505 1306 1310 2003 0504
GS POLLUTION
#ENVIRONMENT POLLUTION
..AIR POLLUTION
...GLOBAL AIR POLLUTION
...INDOOR AIR POLLUTION
..WATER POLLUTION
...OIL POLLUTION
RT AEROBIOLOGY
AEROSOLS
AIR SAMPLING
CLEAN ENERGY
EARTH RESOURCES
ENVIRONMENTAL MONITORING

ENVIRONMENTAL SURVEYS
HUMAN WASTES
METABOLIC WASTES
NOISE POLLUTION
OIL SLICKS
POISONS
POLLUTION MONITORING
POLLUTION TRANSPORT
RADIOACTIVE WASTES
THERMAL POLLUTION
WASTE DISPOSAL

ENVIRONMENT PROTECTION
0404 0505 3406
GS PROTECTION
#ENVIRONMENT PROTECTION
RT AIR POLLUTION
CENTRAL ATLANTIC REGIONAL ECOL
TEST SITE
EFFLUENTS
ENVIRONMENTAL MONITORING
POLLUTION
RADIOACTIVE WASTES
WASTE DISPOSAL
WATER POLLUTION

ENVIRONMENT SIMULATION
0501 0504 1107 3501
GS SIMULATION
#ENVIRONMENT SIMULATION
..ACOUSTIC SIMULATION
..ALTITUDE SIMULATION
..SPACE ENVIRONMENT SIMULATION
...WEIGHTLESSNESS SIMULATION
....NEUTRAL BUOYANCY SIMULATION
..THERMAL SIMULATION
RT ATMOSPHERIC ENTRY SIMULATION
ATMOSPHERIC MODELS
ENVIRONMENTAL TESTS
FLIGHT SIMULATION
VIRTUAL REALITY

ENVIRONMENT SIMULATORS
0501 0504 1107 3501
GS SIMULATORS
#ENVIRONMENT SIMULATORS
..LUNAR GRAVITY SIMULATOR
..SOLAR SIMULATORS
..SPACE SIMULATORS
...HIGH VACUUM ORBITAL SIMULATOR
...LANGLEY COMPLEX COORDINATOR
RT TEST CHAMBERS

ENVIRONMENTAL CHAMBERS
USE TEST CHAMBERS

ENVIRONMENTAL CHEMISTRY
0603
GS #ENVIRONMENTAL CHEMISTRY
.AEROTHERMOCHEMISTRY
.ATMOSPHERIC CHEMISTRY
.GEOCHEMISTRY
..BIOGEOCHEMISTRY
.MARINE CHEMISTRY
RT AIR POLLUTION
% CHEMISTRY
CLIMATOLOGY
HYDROCARBON FUELS
PESTICIDES
SMOG
WASTE DISPOSAL
WATER POLLUTION

ENVIRONMENTAL CONTROL
0504
RT ANTISEPTICS
ARTIFICIAL GRAVITY
AUTOMATIC CONTROL
BIOSATELLITES
CABIN ATMOSPHERES
CLEAN ROOMS
% CONTROL
EMERGENCY LIFE SUSTAINING SYSTEMS
ENVIRONMENTS
HABITABILITY
MANNED REENTRY
MANNED SPACECRAFT
PRESSURIZED CABINS
RESOURCES MANAGEMENT
SPACECRAFT CABIN ATMOSPHERES
SPACECRAFT ENVIRONMENTS
TEMPERATURE CONTROL
TEST CHAMBERS
WEATHER MODIFICATION
WINDSHIELDS

ENVIRONMENTAL ENGINEERING
0404 2001
RT % AEROSPACE SCIENCES
CLEAN ENERGY
CLIMATOLOGY
COMFORT
% ENGINEERING
ENVIRONMENTS
HEATING
HUMAN FACTORS ENGINEERING
ILLUMINATING
LIFE SCIENCES
LIFE SUPPORT SYSTEMS
METEOROLOGY
PHYSIOLOGICAL EFFECTS
PSYCHOLOGICAL EFFECTS
SHELTERS
SPACE HEATING (BUILDINGS)
STARSITE PROGRAM
TEMPERATURE CONTROL
TEMPERATURE DISTRIBUTION
TERRAFORMING
VENTILATION
WASTE DISPOSAL

ENVIRONMENTAL INDEX
0404
RT PHYSIOLOGICAL TESTS

ENVIRONMENTAL LABORATORIES
0501 0504 1106 1107
GS LABORATORIES
#ENVIRONMENTAL LABORATORIES
TEST FACILITIES
#ENVIRONMENTAL LABORATORIES
RT HUMAN FACTORS LABORATORIES
TEST CHAMBERS

ENVIRONMENTAL MONITORING
3107 3409
RT AMBIENCE
ENVIRONMENT MANAGEMENT
ENVIRONMENT POLLUTION
ENVIRONMENT PROTECTION
INFRARED RADIOMETERS
METEOROLOGY
MONITORS
OCEANOGRAPHY
WEATHER FORECASTING

ENVIRONMENTAL QUALITY
0404 0411 0505 2001 2002 2003
GS QUALITY
#ENVIRONMENTAL QUALITY
..AIR QUALITY
..WATER QUALITY
RT AIR POLLUTION
CONTAMINANTS
ENVIRONMENTS
GLOBAL AIR SAMPLING PROGRAM
MARINE BIOLOGY
NOISE POLLUTION
POLLUTION
THERMAL POLLUTION
WATER POLLUTION

ENVIRONMENTAL RESEARCH SATELLITES
3107 3409
UF OCTAHEDRAL RESEARCH SATELLITES

```
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       .#ENVIRONMENTAL RESEARCH SATELLITES
       ...ERS 17
       ...ERS 18
       ...INTASAT SATELLITE
  RT   ATLAS AGENA LAUNCH VEHICLES

ENVIRONMENTAL SURVEYS
  0505 1306 1308 1310 2001 2003 3406
  SN   (LIMITED TO INDEXING ENVIRONMENTAL
       IMPACT STATEMENTS)
  RT   AEROSOLS
       AIR POLLUTION
       EARTH RESOURCES
       ENVIRONMENT POLLUTION
       HUMAN WASTES
       METABOLIC WASTES
       POISONS
       POLLUTION
       POLLUTION CONTROL
       RADIOACTIVE WASTES
       THERMAL POLLUTION
       WASTE DISPOSAL
       WATER POLLUTION

ENVIRONMENTAL TEMPERATURE
  USE  AMBIENT TEMPERATURE

ENVIRONMENTAL TESTS
  0504 1107 1108 1505 3501
  GS  #ENVIRONMENTAL TESTS
       .COLD WEATHER TESTS
       .CORROSION TESTS
       ..CORROSION TEST LOOPS
       ..SALT SPRAY TESTS
       .HIGH TEMPERATURE TESTS
       .LOW TEMPERATURE TESTS
       .UNDERWATER TESTS
       ..NEUTRAL BUOYANCY SIMULATION
  RT   ASSET PROJECT
       ELECTRONIC EQUIPMENT TESTS
       ENVIRONMENT SIMULATION
       HIGH ALTITUDE TESTS
     % MATERIALS TESTS
       ORBITAL SPACE TESTS
       PHYSIOLOGICAL TESTS
       PSYCHOLOGICAL TESTS
       REVERBERATION CHAMBERS
       SPIN TESTS
       TEST CHAMBERS
     % TESTS
       THERMAL CYCLING TESTS
       THERMAL VACUUM TESTS
       VIBRATION TESTS

ENVIRONMENTS
  2003 3406
  GS  #ENVIRONMENTS
       .AEROSPACE ENVIRONMENTS
       ..CISLUNAR SPACE
       ..DEEP SPACE
       ...INTERPLANETARY SPACE
       ...INTERSTELLAR SPACE
       ..EARTH ORBITAL ENVIRONMENTS
       .EARTH ENVIRONMENT
       .EARTH MAGNETOSPHERE
       ..GEOMAGNETIC TAIL
       ..MAGNETOPAUSE
       ..MAGNETOSHEATH
       .EXTRATERRESTRIAL ENVIRONMENTS
       ..CISLUNAR SPACE
       ..DEEP SPACE
       ...INTERPLANETARY SPACE
       ...INTERSTELLAR SPACE
       ..EARTH ORBITAL ENVIRONMENTS
       ..LUNAR ENVIRONMENT
       ...LUNAR ATMOSPHERE
       ..PLANETARY ENVIRONMENTS
       ...MARS ENVIRONMENT
       ....MARS ATMOSPHERE
       ...PLANETARY ATMOSPHERES
       ....HELIUM HYDROGEN ATMOSPHERES
       ....JUPITER ATMOSPHERE
       ....MARS ATMOSPHERE
       ....MERCURY ATMOSPHERE
       ....NEPTUNE ATMOSPHERE
       ....PLANETARY IONOSPHERES
       ....PLUTO ATMOSPHERE
       ....SATURN ATMOSPHERE
       ....URANUS ATMOSPHERE
       ....VENUS ATMOSPHERE
       .....VENUS CLOUDS
       ...PLANETARY MAGNETOSPHERES
       ....PLANETARY MAGNETOTAILS
       ..SATELLITE ATMOSPHERES
       ...LUNAR ATMOSPHERE
       ..STELLAR ATMOSPHERES
       ...CHROMOSPHERE
       ...SOLAR ATMOSPHERE
       ....SOLAR TRANSITION REGION
       .FRICTIONLESS ENVIRONMENTS
       .HETEROSPHERE
       .HIGH ALTITUDE ENVIRONMENTS
       .HIGH GRAVITY ENVIRONMENTS
       .HIGH TEMPERATURE ENVIRONMENTS
       .ICE ENVIRONMENTS
       .INNER RADIATION BELT
       .LOW TEMPERATURE ENVIRONMENTS
       .MARINE ENVIRONMENTS
       .MIDLATITUDE ATMOSPHERE
       .ROTATING ENVIRONMENTS
       .SPACECRAFT ENVIRONMENTS
       .THERMAL ENVIRONMENTS
  RT   ADIABATIC CONDITIONS
       AIR
       AIR POLLUTION
       AIR QUALITY
       AMBIENCE
     % ATMOSPHERES
       COASTAL ECOLOGY
       COASTAL PLAINS
       CONTROLLED ATMOSPHERES
       EARTH ATMOSPHERE
       ECOLOGY
       ECONOMIC IMPACT
       ELECTROMAGNETIC INTERFERENCE
       ENVIRONMENT EFFECTS
       ENVIRONMENTAL CONTROL
       ENVIRONMENTAL ENGINEERING
       ENVIRONMENTAL QUALITY
       GLOBAL AIR POLLUTION
       GRAVITATION
       HABITABILITY
       HABITATS
       HUMAN FACTORS ENGINEERING
       HUMIDITY
       LIFE SUPPORT SYSTEMS
       NONPOINT SOURCES
     % PERFORMANCE
       PHYSIOLOGICAL EFFECTS
       PLANTS (BOTANY)
       PRESSURE
       PROGRAMMING ENVIRONMENTS
       PSYCHOLOGICAL EFFECTS
       REGIMES
       TEMPERATURE
       THERMAL POLLUTION
       VACUUM EFFECTS
       WEIGHTLESSNESS

ENZYME ACTIVITY
  0403 0404 0405 0408
  GS   METABOLISM
       #ENZYME ACTIVITY
       ..FERMENTATION
  RT   BIOCONVERSION
       DIABETES MELLITUS
       DIGESTIVE SYSTEM
       LYSOSOMES
       TYROSINE

ENZYMES
  0403 0404 0405 0408
  GS   BIOPOLYMERS
```

.PROTEINS
.#ENZYMES
...ALDOLASE
...AMIDASE
...CARBONIC ANHYDRASE
...CATALASE
...CHOLINESTERASE
...CYTOCHROMES
...HEXOKINASE
...LYSOZYME
...NUCLEASE
...OXIDASE
...PAPAIN
...PEPSIN
...PROTEASE
...THROMBIN
...TRYPSIN
ORGANIC COMPOUNDS
.PROTEINS
.#ENZYMES
...ALDOLASE
...AMIDASE
...CARBONIC ANHYDRASE
...CATALASE
...CHOLINESTERASE
...CYTOCHROMES
...HEXOKINASE
...LYSOZYME
...NUCLEASE
...OXIDASE
...PAPAIN
...PEPSIN
...PROTEASE
...THROMBIN
...TRYPSIN
RT ACTIVATION (BIOLOGY)
CATALYSTS
COENZYMES
ENZYMOLOGY

ENZYMOLOGY
0403 0405 0406
GS BIOCHEMISTRY
#ENZYMOLOGY
RT DIGESTING
DIGESTIVE SYSTEM
ENZYMES
METABOLISM
NITROGEN METABOLISM

EOCR (REACTOR)
USE EXPERIMENTAL ORGANIC COOLED REACTORS

EOGO
USE EGO

EOLE SATELLITES
2003 2004 3107
GS ARTIFICIAL SATELLITES
.FRENCH SATELLITES
.#EOLE SATELLITES
.METEOROLOGICAL SATELLITES
.#EOLE SATELLITES
RT FRENCH SPACE PROGRAM
GEOLE SATELLITES
GEOPHYSICAL SATELLITES

EOPAP
USE EARTH & OCEAN PHYSICS APPLICATIONS PROGRAM

EOR (RENDEZVOUS)
USE EARTH ORBITAL RENDEZVOUS

EOS
USE LANDSAT SATELLITES

EOS-A
USE LANDSAT E

EOS-B
USE LANDSAT F

EOSINOPHILS
0405 0406
GS CELLS (BIOLOGY)
.BLOOD CELLS
..LEUKOCYTES
..#EOSINOPHILS
RT CYTOPLASM

EPE-A
USE EXPLORER 12 SATELLITE

EPE-B
USE EXPLORER 14 SATELLITE

EPE-C
USE EXPLORER 15 SATELLITE

EPE-D
USE EXPLORER 26 SATELLITE

EPHEMERIDES
1901 2103 3001 3405
GS #EPHEMERIDES
.PLANET EPHEMERIDES
RT ASTRONOMICAL CATALOGS
CELESTIAL MECHANICS
EPHEMERIS TIME
ORBITS
POSITION (LOCATION)

EPHEMERIS TIME
1406 1901 3009
GS TIME
#EPHEMERIS TIME
RT EPHEMERIDES
UNIVERSAL TIME

EPICARDIUM
0404 0405
GS ANATOMY
.CIRCULATORY SYSTEM
..CARDIOVASCULAR SYSTEM
...HEART
...#EPICARDIUM
MEMBRANES
#EPICARDIUM
TISSUES (BIOLOGY)
#EPICARDIUM

EPICYCLOIDS
1902
GS GEOMETRY
.CURVES (GEOMETRY)
.#EPICYCLOIDS
.EUCLIDEAN GEOMETRY
..ANALYTIC GEOMETRY
..#EPICYCLOIDS
RT CUSPS (MATHEMATICS)

EPIDEMIOLOGY
0404 0405
GS MEDICAL SCIENCE
#EPIDEMIOLOGY
RT INFECTIOUS DISEASES
VACCINES
VETERINARY MEDICINE

EPIDERMIS
0404 0405
GS ANATOMY
.SKIN (ANATOMY)
.#EPIDERMIS
RT CONTACT DERMATITIS

EPILEPSY
0404 0405 0408 0410
GS DISEASES
#EPILEPSY
RT CRAMPS
HUMAN PATHOLOGY
SHAKING

```
EPINEPHRINE
  0403 0404 0405
  UF   ADRENALINE
  GS   AMINES
       .CATECHOLAMINE
       .#EPINEPHRINE
       ...NOREPINEPHRINE
       DRUGS
       #EPINEPHRINE
       ..NOREPINEPHRINE
  RT   ADRENAL GLAND
       HEART RATE
       STIMULANTS

EPITAXY
  2601 2603
  GS   GROWTH
       .CRYSTAL GROWTH
       .#EPITAXY
       ...ELECTROEPITAXY
       ...LIQUID PHASE EPITAXY
       ...MOLECULAR BEAM EPITAXY
       ...VAPOR PHASE EPITAXY
  RT   BIPOLAR TRANSISTORS
       CRYSTAL LATTICES
       CRYSTAL STRUCTURE
       JUNCTION TRANSISTORS
       LASER DEPOSITION
       PULSED LASER DEPOSITION

EPITHELIUM
  0404
  GS   TISSUES (BIOLOGY)
       #EPITHELIUM
  RT   ANATOMY
       HISTOLOGY
       PERITONEUM
       SKIN (ANATOMY)

EPNL
  USE  EFFECTIVE PERCEIVED NOISE LEVELS

EPOCHS
  USE  TIME MEASUREMENT

EPOXIDATION
  0602
  GS   CHEMICAL REACTIONS
       #EPOXIDATION
  RT   OXIDATION

EPOXIDES
  USE  EPOXY COMPOUNDS

EPOXY COMPOUNDS
  0403 1808 1809 1810
  UF   EPOXIDES
  GS  #EPOXY COMPOUNDS
       .ENDRIN
       .ETHYLENE OXIDE
       .HYOSCINE
       .PROPYLENE OXIDE
  RT % CHEMICAL COMPOUNDS
       ETHERS

EPOXY MATRIX COMPOSITES
  1507
  GS   COMPOSITE MATERIALS
       .POLYMER MATRIX COMPOSITES
       .#EPOXY MATRIX COMPOSITES
       ...BORON-EPOXY COMPOSITES
  RT   ARAMID FIBER COMPOSITES
       ARAMID FIBERS
       BRAIDED COMPOSITES
       FIBER ORIENTATION
       LOW DENSITY RESEARCH
     % MATERIALS
     % MATRICES
       MATRIX MATERIALS
       PULTRUSION
       SANDWICH STRUCTURES
       WOVEN COMPOSITES

EPOXY RESINS
  0403 1808 1809 1810
  GS   PLASTICS
       .SYNTHETIC RESINS
       ..THERMOSETTING RESINS
       ..#EPOXY RESINS
       ....PHENOLIC EPOXY RESINS
       RESINS
       .SYNTHETIC RESINS
       ..THERMOSETTING RESINS
       ..#EPOXY RESINS
       ....PHENOLIC EPOXY RESINS
  RT   ADHESIVES
       BORON REINFORCED MATERIALS
       BORON-EPOXY COMPOSITES
       COATINGS
       GLASS TRANSITION TEMPERATURE
       GRAPHITE-EPOXY COMPOSITES
       LAY-UP
       PREPREGS
       RESIN MATRIX COMPOSITES

EQUALIZERS (CIRCUITS)
  0701 0904
  RT   ATTENUATORS
     % FREQUENCY RESPONSE
       PHASE SHIFT
       SIGNAL PROCESSING

% EQUATIONS
  1902
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  UF   BALANCE EQUATIONS
       FORCED VIBRATORY MOTION EQUATIONS
  RT   ADIABATIC EQUATIONS
       APPROXIMATION
       BERNOULLI THEOREM
       BETHE-SALPETER EQUATION
       BIHARMONIC EQUATIONS
       BLASIUS EQUATION
       BOLTZMANN TRANSPORT EQUATION
       BOLTZMANN-VLASOV EQUATION
       BORN APPROXIMATION
       BOUNDARY LAYER EQUATIONS
       BRILLOUIN-WIGNER EQUATION
       BURGER EQUATION
       CAUCHY-RIEMANN EQUATIONS
       CHANDRASEKHAR EQUATION
       CHAPLYGIN EQUATION
       CONSERVATION EQUATIONS
       CONSTITUTIVE EQUATIONS
       CONTINUITY EQUATION
       CONVECTION-DIFFUSION EQUATION
       CUBIC EQUATIONS
       DIFFERENCE EQUATIONS
       DIFFERENTIAL EQUATIONS
       DIOPHANTINE EQUATION
       DIRAC EQUATION
       DONNELL EQUATIONS
       DUFFING DIFFERENTIAL EQUATION
       EIKONAL EQUATION
       EINSTEIN EQUATIONS
       ELBER EQUATION
       ELLIPTIC DIFFERENTIAL EQUATIONS
       EQUATIONS OF MOTION
       EQUATIONS OF STATE
       EQUILIBRIUM EQUATIONS
       EULER EQUATIONS OF MOTION
       EULER-CAUCHY EQUATIONS
       EULER-LAGRANGE EQUATION
       EULER-LAMBERT EQUATION
       FADDEEV EQUATIONS
       FALKNER-SKAN EQUATION
       FICKS EQUATION
       FLOW EQUATIONS
       FOKKER-PLANCK EQUATION
       FREDHOLM EQUATIONS
       GAUSS EQUATION
       GIBBS ADSORPTION EQUATION
```

% GIBBS EQUATIONS
GIBBS-HELMHOLTZ EQUATIONS
GLIMM METHOD
HAMILTON-JACOBI EQUATION
% HELMHOLTZ EQUATIONS
HELMHOLTZ VORTICITY EQUATION
HUGONIOT EQUATION OF STATE
HYDRODYNAMIC EQUATIONS
HYPERBOLIC DIFFERENTIAL EQUATIONS
IDENTITIES
INHOUR EQUATION
INTEGRAL EQUATIONS
KINEMATIC EQUATIONS
KINETIC EQUATIONS
KLEIN-GORDON EQUATION
KORTEWEG-DEVRIES EQUATION
KROOK EQUATION
LAME WAVE EQUATIONS
LANDAU-GINZBURG EQUATIONS
LAPLACE EQUATION
LINEAR EQUATIONS
LINEAR EVOLUTION EQUATIONS
LINEARIZATION
LIOUVILLE EQUATIONS
MACROSCOPIC EQUATIONS
MATHIEU FUNCTION
MAXWELL EQUATION
MONGE-AMPERE EQUATION
NAVIER-STOKES EQUATION
NONHOLONOMIC EQUATIONS
NONLINEAR EQUATIONS
NONLINEAR EVOLUTION EQUATIONS
ORR-SOMMERFELD EQUATIONS
PARABOLIC DIFFERENTIAL EQUATIONS
PARTIAL DIFFERENTIAL EQUATIONS
PFAFF EQUATION
POISSON EQUATION
POLYNOMIALS
PRIMITIVE EQUATIONS
QUADRATIC EQUATIONS
QUARTIC EQUATIONS
RAYLEIGH EQUATIONS
REYNOLDS EQUATION
ROOTS OF EQUATIONS
SAHA EQUATIONS
SCHROEDINGER EQUATION
SEMIEMPIRICAL EQUATIONS
SHALLOW SHELL EQUATIONS
SIMULTANEOUS EQUATIONS
SINGULAR INTEGRAL EQUATIONS
STOKES-BELTRAMI EQUATION
THERMODYNAMICS
VLASOV EQUATIONS
VOLTERRA EQUATIONS
VON KARMAN EQUATION
VORTICITY EQUATIONS
WAVE EQUATIONS
WIENER HOPF EQUATIONS

EQUATIONS OF MOTION
1901 1902 1904 2311 3009 3501
UF MOTION EQUATIONS
GS #EQUATIONS OF MOTION
.EULER EQUATIONS OF MOTION
.EULER-LAGRANGE EQUATION
.KINETIC EQUATIONS
..HYDRODYNAMIC EQUATIONS
...HELMHOLTZ VORTICITY EQUATION
..KINEMATIC EQUATIONS
.NAVIER-STOKES EQUATION
.REYNOLDS EQUATION
RT AUTONOMY
BETHE-SALPETER EQUATION
CELESTIAL MECHANICS
CLASSICAL MECHANICS
COMPUTATIONAL FLUID DYNAMICS
CONTINUITY EQUATION
CONTROL MOMENT GYROSCOPES
% DYNAMICS
EINSTEIN EQUATIONS
% EQUATIONS
EQUILIBRIUM EQUATIONS
HAMILTON-JACOBI EQUATION
INERTIA PRINCIPLE
KINEMATICS
LISSAJOUS FIGURES
MACH INERTIA PRINCIPLE
MOMENTS OF INERTIA
MOTION AFTEREFFECTS
SPINNING UNGUIDED ROCKET TRAJECTORY
STABILITY
SYSTEMS STABILITY
TRAJECTORIES
TRAJECTORY ANALYSIS
VARIABLE MASS SYSTEMS
VON ZEIPEL METHOD

EQUATIONS OF STATE
0602 2308 2311 2401 3304 3501
UF STATE EQUATIONS
GS #EQUATIONS OF STATE
.HUGONIOT EQUATION OF STATE
RT ADIABATIC EQUATIONS
BBGKY HIERARCHY
BOSE GEOMETRY
COMPRESSIBILITY
CONTINUITY EQUATION
% EQUATIONS
EQUILIBRIUM EQUATIONS
IDEAL FLUIDS
IDEAL GAS
KINETIC THEORY
MOLLIER DIAGRAM
REAL GASES
THERMODYNAMICS
VIRIAL COEFFICIENTS

EQUATORIAL ATMOSPHERE
1902
RT % ATMOSPHERES
ATMOSPHERIC COMPOSITION
METEOROLOGICAL PARAMETERS
MIDDLE ATMOSPHERE
TROPICAL METEOROLOGY
TROPICAL REGIONS

EQUATORIAL ELECTROJET
1302 2304
GS ELECTRIC CURRENT
.IONOSPHERIC CURRENTS
..ELECTROJETS
..#EQUATORIAL ELECTROJET
ELECTRICITY
.ATMOSPHERIC ELECTRICITY
..IONOSPHERIC CURRENTS
...ELECTROJETS
...#EQUATORIAL ELECTROJET
RT AURORAL ELECTROJETS

EQUATORIAL ORBITS
1904 3006
GS ORBITS
#EQUATORIAL ORBITS
..STATIONARY ORBITS
RT CIRCULAR ORBITS
EARTH ORBITS
ELLIPTICAL ORBITS
GEOSYNCHRONOUS ORBITS
LUNAR ORBITS
ORBITAL MECHANICS
PLANETARY ORBITS
POLAR ORBITS
SATELLITE ORBITS
SPACECRAFT ORBITS
TWENTY-FOUR HOUR ORBITS

EQUATORIAL REGIONS
1305
GS REGIONS
#EQUATORIAL REGIONS
RT ARID LANDS
EARTH SURFACE
TROPICAL REGIONS

EQUATORS

```
  1305 1902
  GS   #EQUATORS
       .LUNAR EQUATOR
       .MAGNETIC EQUATOR
  RT   COORDINATES
       ROTATING SPHERES
       TRANSEQUATORIAL PROPAGATION

% EQUILIBRIUM
  0101 0603 1202 2311 2406 3304
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   ACID BASE EQUILIBRIUM
       AEROSTATICS
       BALANCE
       BALANCING
       BODY SWAY TEST
       CHEMICAL EQUILIBRIUM
       DIFFUSION
       DIFFUSION COEFFICIENT
       DYNAMIC CHARACTERISTICS
       EQUILIBRIUM EQUATIONS
       HEAT OF DISSOCIATION
       HOMEOSTASIS
       ISOSTASY
       LIQUID-VAPOR EQUILIBRIUM
       LOADS (FORCES)
       MAXWELL-MOHR METHOD
       NONEQUILIBRIUM CONDITIONS
       ONSAGER RELATIONSHIP
       PLASMA EQUILIBRIUM
       RELAXATION (MECHANICS)
       RELAXATION TIME
       STABILITY
       STABILIZATION
       STATICS
       STEADY STATE
       SYSTEMS STABILITY
       THERMODYNAMIC EQUILIBRIUM
       THERMODYNAMIC PROPERTIES
       THERMODYNAMICS
       TRANSITION POINTS
       UNSTEADY STATE
       VARIABILITY
       WATER BALANCE

EQUILIBRIUM DIAGRAMS
  USE  PHASE DIAGRAMS

EQUILIBRIUM EQUATIONS
  1902 3501
  RT   ANALYSIS (MATHEMATICS)
     % EQUATIONS
       EQUATIONS OF MOTION
       EQUATIONS OF STATE
     % EQUILIBRIUM

EQUILIBRIUM FLOW
  1202 1203
  UF   STEADY STATE FLOW
  GS   FLUID FLOW
       .GAS FLOW
       .#EQUILIBRIUM FLOW
       ...FROZEN EQUILIBRIUM FLOW
       ...SHIFTING EQUILIBRIUM FLOW
  RT   EYRING THEORY
       HEAT TRANSMISSION
       NONEQUILIBRIUM FLOW
       PLASMA EQUILIBRIUM
       QUASI-STEADY STATES
       STEADY FLOW

EQUILIBRIUM METHODS
  3203
  SN   (LIMITED TO STRUCTURAL ANALYSIS)
  GS   STRUCTURAL ANALYSIS
       #EQUILIBRIUM METHODS
  RT   MATRIX METHODS
     % METHODOLOGY
       VARIATIONAL PRINCIPLES

EQUINOXES
  1901 3009
  RT   SEASONS
       SOLAR POSITION
       SOLSTICES
       WINTER

EQUIPARTITION THEOREM
  1905 2403 3304
  UF   ENERGY EQUIPARTITION
  GS   THEOREMS
       #EQUIPARTITION THEOREM
  RT   DEGREES OF FREEDOM
       ENERGY DISTRIBUTION
       KINETIC ENERGY
       SPECIFIC HEAT

% EQUIPMENT
  1406 3404 3501
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  UF   APPARATUS
  RT   ABORT APPARATUS
       ABSORBERS (EQUIPMENT)
       ACCUMULATORS (COMPUTERS)
       AIR CONDITIONING EQUIPMENT
       AIRBORNE EQUIPMENT
       AIRCRAFT EQUIPMENT
       AIRPORT SURFACE DETECTION EQUIPMENT
       AUDIO EQUIPMENT
       AUTOMATIC TEST EQUIPMENT
       BEDDING EQUIPMENT
       BOMBING EQUIPMENT
       BREATHING APPARATUS
       COMMUNICATION EQUIPMENT
       COMPUTER STORAGE DEVICES
       CONSOLES
       CRYOGENIC COMPUTER STORAGE
       CRYOGENIC EQUIPMENT
       DATA PROCESSING EQUIPMENT
       DISTILLATION EQUIPMENT
       ELECTROMECHANICAL DEVICES
       ELECTRONIC EQUIPMENT
       GROUND SUPPORT EQUIPMENT
       HANDLING EQUIPMENT
       HARDWARE
       HEATING EQUIPMENT
       HYDRAULIC EQUIPMENT
       LABORATORY EQUIPMENT
       LIGHTING EQUIPMENT
       LUNAR BASED EQUIPMENT
       LUNAR EXCAVATION EQUIPMENT
       MECHANICAL DEVICES
       MEDICAL EQUIPMENT
       MINIATURE ELECTRONIC EQUIPMENT
       ONBOARD EQUIPMENT
       PERIPHERAL EQUIPMENT (COMPUTERS)
       PHOTOGRAPHIC EQUIPMENT
       PNEUMATIC EQUIPMENT
       PORTABLE EQUIPMENT
       RADAR EQUIPMENT
       RIGGING
       SAFETY DEVICES
       SELF ERECTING DEVICES
       SERVICE LIFE
       SPACECRAFT EQUIPMENT
       SURVIVAL EQUIPMENT
       SYRINGES
       TELEVISION EQUIPMENT
     % TEST EQUIPMENT
       WIND TUNNEL APPARATUS
       X RAY APPARATUS

EQUIPMENT SPECIFICATIONS
  1505 3404 3406 3408
  GS   SPECIFICATIONS
       #EQUIPMENT SPECIFICATIONS
  RT   AIRCRAFT PRODUCTION
       COMMONALITY
     % DESIGN
       DYNAMIC RANGE
       FUNCTIONAL DESIGN SPECIFICATIONS
```

```
      MAINTENANCE
      PROCUREMENT

EQUIPOTENTIALS
  2304 2308 2311
  GS   FLUID FLOW
       .POTENTIAL FLOW
       .#EQUIPOTENTIALS
  RT % FLOW GRAPHS
       FLOW NETS

EQUIVALENCE
  1902
  GS   MATHEMATICAL LOGIC
       .SET THEORY
       .#EQUIVALENCE
  RT   PARITY
       PARTITIONS (MATHEMATICS)

EQUIVALENT CIRCUITS
  0902
  GS   CIRCUITS
       #EQUIVALENT CIRCUITS
  RT   DUALITY PRINCIPLE
       NETWORK ANALYSIS
       NETWORK SYNTHESIS
       SUPERPOSITION (MATHEMATICS)

ER FLUIDS
  USE  ELECTRORHEOLOGICAL FLUIDS

ERBE
  USE  EARTH RADIATION BUDGET EXPERIMENT

ERBIUM
  0603 1703
  GS   CHEMICAL ELEMENTS
       .RARE EARTH ELEMENTS
       .#ERBIUM
       ...ERBIUM ISOTOPES
       METALS
       .RARE EARTH ELEMENTS
       .#ERBIUM
       ...ERBIUM ISOTOPES

ERBIUM ALLOYS
  1701
  GS   ALLOYS
       .RARE EARTH ALLOYS
       .#ERBIUM ALLOYS

ERBIUM COMPOUNDS
  0603 1804
  GS   RARE EARTH COMPOUNDS
       #ERBIUM COMPOUNDS
  RT % CHEMICAL COMPOUNDS
     % METAL COMPOUNDS

ERBIUM ISOTOPES
  2406
  UF   ERBIUM 169
       ERBIUM 171
  GS   CHEMICAL ELEMENTS
       .NUCLIDES
       ..ISOTOPES
       ..#ERBIUM ISOTOPES
       .RARE EARTH ELEMENTS
       ..ERBIUM
       ..#ERBIUM ISOTOPES
       METALS
       .RARE EARTH ELEMENTS
       ..ERBIUM
       ..#ERBIUM ISOTOPES

ERBIUM 169
  USE  ERBIUM ISOTOPES

ERBIUM 171
  USE  ERBIUM ISOTOPES

ERECTION
  USE  CONSTRUCTION

EREP
  1304 1306 1308 1310 1410
  UF   EARTH RESOURCES EXPERIMENT PACKAGE
  GS   PACKAGES
       .INSTRUMENT PACKAGES
       .#EREP
  RT % INSTRUMENTS
       SKYLAB 1
       SKYLAB 2
       SKYLAB 3
       SKYLAB 4

ERGODIC PROCESS
  1902 3304
  RT   INFORMATION THEORY
       PROBABILITY THEORY
       STOCHASTIC PROCESSES
       THERMODYNAMICS

ERGOMETERS
  1406 2308 2311 3501
  GS   MEASURING INSTRUMENTS
       #ERGOMETERS
  RT   DYNAMOMETERS

ERGONOMICS
  USE  HUMAN FACTORS ENGINEERING

ERGOTAMINE
  0403 0408 1808
  GS   AMINES
       #ERGOTAMINE
       BASES (CHEMICAL)
       .ALKALOIDS
       .#ERGOTAMINE
       DRUGS
       #ERGOTAMINE
       NITROGEN COMPOUNDS
       .ALKALOIDS
       .#ERGOTAMINE
       ORGANIC COMPOUNDS
       .CYCLIC COMPOUNDS
       ..HETEROCYCLIC COMPOUNDS
       ...ALKALOIDS
       ...#ERGOTAMINE

EROS (SATELLITES)
  1303 1304 1305 1306 1308 1310 3107
  UF   EARTH RESOURCES OBSERVATION
       SATELLITES
  GS   ARTIFICIAL SATELLITES
       #EROS (SATELLITES)
  RT   EARTH RESOURCES
       OCEANOGRAPHY
       REMOTE SENSORS
       SATELLITE OBSERVATION
       SCANNING
       TERRAIN ANALYSIS

EROS PROJECT
  USE  EXPERIMENTAL REFLECTOR ORBITAL
       SHOT PROJ

EROSION
  0411 1306 1503 3407
  UF   SCARS (GEOLOGY)
  GS  #EROSION
       .RAIN EROSION
       .SOIL EROSION
       .WATER EROSION
       .WIND EROSION
  RT   ABLATION
       ABRASION
       ARROYOS
       ATMOSPHERIC EFFECTS
       CAVITATION CORROSION
       CAVITATION FLOW
       CORROSION
       DEGRADATION
       DETERIORATION
       EROSIVE BURNING
       ETCHING
```

```
        FRETTING
        HOT CORROSION
        HYDROGEOLOGY
        IMPINGEMENT
        INLIERS (LANDFORMS)
        METAL SURFACES
        METAL-WATER REACTIONS
        PITTING
        PLATEAUS
        RAIN IMPACT DAMAGE
        RAVINES
        RIVERS
        SOIL SCIENCE
        SPARK MACHINING
        SURFACE REACTIONS
        TRIBOLOGY
        VALLEYS
        WAVE RESISTANCE
        WEAR
        WEAR TESTS
        WEATHERING
        WIND EFFECTS

EROSIVE BURNING
  3301
  GS    COMBUSTION
        #EROSIVE BURNING
  RT    BURNOUT
        COMBUSTION TEMPERATURE
        DETERIORATION
        EROSION
        EXHAUST GASES
        FUEL COMBUSTION
        HYPERSONIC COMBUSTION
        OXIDATION
        PITTING
        PROPELLANT COMBUSTION
        SOLID PROPELLANT COMBUSTION
        TRIBOLOGY

ERROR ANALYSIS
  1902 1903
  GS    ANALYSIS (MATHEMATICS)
        .NUMERICAL ANALYSIS
        .#ERROR ANALYSIS
  RT  % ANALYZING
      % APPLICATIONS OF MATHEMATICS
        BIT ERROR RATE
        BORESIGHT ERROR
        CENSORED DATA (MATHEMATICS)
        FAULT TOLERANCE
        MEAN SQUARE VALUES
        PROBABILITY THEORY
        RANGE ERRORS
        RAYLEIGH DISTRIBUTION
        ROOT-MEAN-SQUARE ERRORS

ERROR BAND
  USE   ACCURACY

ERROR CORRECTING CODES
  0702 0703 0704
  GS   #ERROR CORRECTING CODES
        .REED-SOLOMON CODES
  RT    AUTOMATIC REPEAT REQUEST
        BIT ERROR RATE
      % CODES
        CONCATENATED CODES
        DIGITAL TECHNIQUES
        REDUNDANCY ENCODING

ERROR CORRECTING DEVICES
  0701 0801 1406 3501
  RT    BCH CODES
        CORRECTION
      % DEVICES
        INSTRUMENT COMPENSATION
        REDUNDANCY ENCODING

ERROR DETECTION CODES
  0503 0702 0703 0802
  RT    BIT ERROR RATE
      % CODES
        CODING
        COMPUTER PROGRAMS
        COMPUTER SYSTEMS PROGRAMS
        DIGITAL TECHNIQUES
        FAULT DETECTION
        FAULT TOLERANCE
        INFORMATION THEORY
        PARITY
        PROVING
        QUALITY CONTROL
        REDUNDANCY
        REDUNDANCY ENCODING

ERROR FUNCTIONS
  1901 1902 1905
  GS    FUNCTIONS (MATHEMATICS)
        #ERROR FUNCTIONS
  RT    STATISTICAL DISTRIBUTIONS

ERROR SIGNALS
  0705 0902
  RT    AUTOMATIC REPEAT REQUEST
        BIT ERROR RATE
        COMPARATORS
        COMPENSATORS
        DIFFERENTIAL AMPLIFIERS
        DISCRIMINATORS
        ERRORS
        FALSE ALARMS
        LOOP TRANSFER RECOVERY
        PHASE ERROR
        POSITION ERRORS
        RANGE ERRORS
        SIGNAL MIXING
      % SIGNALS
        SLEWING

ERRORS
  0802 1003 1902 3406
  UF    INVALIDITY
  GS   #ERRORS
        .INSTRUMENT ERRORS
        .PHASE ERROR
        .PILOT ERROR
        .POSITION ERRORS
        ..BORESIGHT ERROR
        .RANDOM ERRORS
        .RANGE ERRORS
        .ROOT-MEAN-SQUARE ERRORS
        .TRUNCATION ERRORS
        .VELOCITY ERRORS
  RT    ACCURACY
        BIAS
      % COMPENSATION
        COMPUTER PROGRAM INTEGRITY
        CONFIDENCE
        CONSISTENCY
        CORRECTION
        DRIFT (INSTRUMENTATION)
        DYNAMIC CHARACTERISTICS
        ERROR SIGNALS
        HYSTERESIS
        LINEARITY
        MALFUNCTIONS
        MEDIAN (STATISTICS)
        OPTICAL CORRECTION PROCEDURE
        PRECISION
        QUALITY CONTROL
        RANGE (EXTREMES)
        RELIABILITY
        RESOLUTION
        RESPONSE BIAS
      % SCALING
      % TESTS
        TOLERANCES (MECHANICS)

ERS 17
  3107 3409
  GS    ARTIFICIAL SATELLITES
        .SCIENTIFIC SATELLITES
        ..ENVIRONMENTAL RESEARCH SATELLITES
        ..#ERS 17
```

```
  RT   ATLAS AGENA LAUNCH VEHICLES

ERS 18
  3107 3409
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..ENVIRONMENTAL RESEARCH SATELLITES
       ..#ERS 18
  RT   ATLAS AGENA LAUNCH VEHICLES

ERS-1 (ESA SATELLITE)
  3107
  GS   ARTIFICIAL SATELLITES
       .ESA SATELLITES
       .#ERS-1 (ESA SATELLITE)
       .MARITIME SATELLITES
       .#ERS-1 (ESA SATELLITE)
       ESA SPACECRAFT
       .ESA SATELLITES
       .#ERS-1 (ESA SATELLITE)
  RT   EUROPEAN SPACE AGENCY

ERTS
  USE  LANDSAT SATELLITES

ERTS-A
  USE  LANDSAT 1

ERTS-B
  USE  LANDSAT 2

ERTS-C
  USE  LANDSAT 3

ERTS-D
  USE  LANDSAT 4

ERTS-E
  USE  LANDSAT E

ERTS-F
  USE  LANDSAT F

ERYTHROCYTES
  0404 0406
  UF   RED BLOOD CELLS
  GS   CELLS (BIOLOGY)
       .BLOOD CELLS
       .#ERYTHROCYTES
       ...RETICULOCYTES
  RT   BONE MARROW
       CARBOXYHEMOGLOBIN
       HEMATOCRIT
       HEMATOCRIT RATIO
       HEMOGLOBIN
       HEMOLYSIS
       LEUKOCYTES
       OXYHEMOGLOBIN

ESA
  USE  EUROPEAN SPACE AGENCY

ESA SATELLITES
  3107 3409
  SN   (EUROPEAN SPACE AGENCY SATELLITES)
  UF   ESRO SATELLITES
       EUROPEAN SPACE RESEARCH
       ORGANIZATION SAT
  GS   ARTIFICIAL SATELLITES
       #ESA SATELLITES
       ..AEROSAT SATELLITES
       ..COS-B SATELLITE
       ..ERS-1 (ESA SATELLITE)
       ..ESRO 1 SATELLITE
       ..ESRO 2 SATELLITE
       ..ESRO 4 SATELLITE
       ..EUROPEAN COMMUNICATIONS SATELLITE
       ..EXOSAT SATELLITE
       ..GEOS SATELLITES (ESA)
       ..HEOS SATELLITES
       ...HEOS A SATELLITE
       ...HEOS B SATELLITE
       ..HIPPARCOS SATELLITE
       ..INFRARED SPACE OBSERVATORY (ISO)
       ..L-SAT
       ..MAGELLAN ULTRAVIOLET ASTRONOMY
         SATELLITE
       ..MARECS MARITIME SATELLITES
       ..MAROTS (ESA)
       ..METEOSAT SATELLITE
       ..OTS (ESA)
       ..TD SATELLITES
       ...TD-1 SATELLITE
       ESA SPACECRAFT
       #ESA SATELLITES
       ..AEROSAT SATELLITES
       ..COS-B SATELLITE
       ..ERS-1 (ESA SATELLITE)
       ..ESRO 1 SATELLITE
       ..ESRO 2 SATELLITE
       ..ESRO 4 SATELLITE
       ..EUROPEAN COMMUNICATIONS SATELLITE
       ..EXOSAT SATELLITE
       ..GEOS SATELLITES (ESA)
       ..HEOS SATELLITES
       ...HEOS A SATELLITE
       ...HEOS B SATELLITE
       ..HIPPARCOS SATELLITE
       ..INFRARED SPACE OBSERVATORY (ISO)
       ..L-SAT
       ..MAGELLAN ULTRAVIOLET ASTRONOMY
         SATELLITE
       ..MARECS MARITIME SATELLITES
       ..MAROTS (ESA)
       ..METEOSAT SATELLITE
       ..OTS (ESA)
       ..TD SATELLITES
       ...TD-1 SATELLITE
  RT   EARTHNET
       EUROPEAN SPACE AGENCY
       EUROPEAN SPACE PROGRAMS
       INTERNATIONAL COOPERATION
       SOHO MISSION

ESA SPACECRAFT
  GS   #ESA SPACECRAFT
       .COLUMBUS SPACE STATION
       .ESA SATELLITES
       ..AEROSAT SATELLITES
       ..COS-B SATELLITE
       ..ERS-1 (ESA SATELLITE)
       ..ESRO 1 SATELLITE
       ..ESRO 2 SATELLITE
       ..ESRO 4 SATELLITE
       ..EUROPEAN COMMUNICATIONS SATELLITE
       ..EXOSAT SATELLITE
       ..GEOS SATELLITES (ESA)
       ..HEOS SATELLITES
       ...HEOS A SATELLITE
       ...HEOS B SATELLITE
       ..HIPPARCOS SATELLITE
       ..INFRARED SPACE OBSERVATORY (ISO)
       ..L-SAT
       ..MAGELLAN ULTRAVIOLET ASTRONOMY
         SATELLITE
       ..MARECS MARITIME SATELLITES
       ..MAROTS (ESA)
       ..METEOSAT SATELLITE
       ..OTS (ESA)
       ..TD SATELLITES
       ...TD-1 SATELLITE
       .GIOTTO MISSION
  RT % SPACECRAFT

ESAKI DIODES
  USE  TUNNEL DIODES

ESCALATORS
  1504
  RT   ELEVATORS (LIFTS)
       LADDERS
     % LIFTS
       STAIRWAYS

% ESCAPE
```

```
  3407
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    ESCAPE (ABANDONMENT)
        ESCAPE CAPSULES
        ESCAPE ROCKETS
        ESCAPE SYSTEMS
        ESCAPE VELOCITY
        LEAKAGE

ESCAPE (ABANDONMENT)
  3407
  RT    BAILOUT
        EJECTION
        EJECTION TRAINING
        ENTRAPMENT
      % ESCAPE
        ESCAPE ROCKETS
        ESCAPE SYSTEMS
        JETTISON SYSTEMS
        JETTISONING
        PARACHUTE DESCENT

ESCAPE CAPSULES
  0203 0507 0508 3104
  GS    SAFETY DEVICES
        #ESCAPE CAPSULES
        SPACE CAPSULES
        #ESCAPE CAPSULES
  RT    ABORT APPARATUS
        ABORTED MISSIONS
        EJECTION SEATS
        EMERGENCY LIFE SUSTAINING SYSTEMS
      % ESCAPE
        FLYING EJECTION SEATS
        HIGH ALTITUDE ENVIRONMENTS
        LAUNCH ESCAPE SYSTEMS
        LUNAR ESCAPE DEVICES
        PARACONE
        PRESSURIZED CABINS

ESCAPE ROCKETS
  0507 0508 3104 3106
  GS    SAFETY DEVICES
        #ESCAPE ROCKETS
  RT    ABORT APPARATUS
        ABORTED MISSIONS
      % ESCAPE
        ESCAPE (ABANDONMENT)
        LAUNCH ESCAPE SYSTEMS
        LUNAR ESCAPE DEVICES
      % ROCKETS
      % SPACECRAFT

ESCAPE SYSTEMS
  3104
  GS   #ESCAPE SYSTEMS
       .LAUNCH ESCAPE SYSTEMS
  RT    BAILOUT
        EJECTION
        EJECTION SEATS
      % ESCAPE
        ESCAPE (ABANDONMENT)
        JETTISON SYSTEMS
        PARACONE
        SAFETY FACTORS
      % SYSTEMS

ESCAPE VELOCITY
  2308 2311 2401 2403 3006 3009
  UF    PARABOLIC VELOCITY
  GS    RATES (PER TIME)
        #ESCAPE VELOCITY
        VELOCITY
        #ESCAPE VELOCITY
  RT %  ESCAPE
        HIGH SPEED
        HYPERBOLIC TRAJECTORIES
      % HYPERVELOCITY
        ORBITAL VELOCITY
        PLANETARY GRAVITATION
        SCHWARZSCHILD METRIC
        VELOCITY ERRORS

ESCARPMENTS
  1306 3009
  UF    SCARPS
  GS    LANDFORMS
        #ESCARPMENTS
  RT    CLIFFS
        SLOPES
        TOPOGRAPHY

ESCHERICHIA
  0404 0407 0409
  GS    MICROORGANISMS
        .BACTERIA
        .#ESCHERICHIA

ESG (GYROSCOPES)
  USE   ELECTROSTATIC GYROSCOPES

ESKERS
  USE   GLACIAL DRIFT

ESKIMOS
  3402 3403
  RT    ANTHROPOLOGY
        CULTURE (SOCIAL SCIENCES)

ESOPHAGUS
  0404 0405
  GS    ANATOMY
        .DIGESTIVE SYSTEM
        .#ESOPHAGUS

ESRO
  USE   EUROPEAN SPACE AGENCY

ESRO SATELLITES
  USE   ESA SATELLITES

ESRO 1 SATELLITE
  3107 3409
  GS    ARTIFICIAL SATELLITES
        .ESA SATELLITES
        .#ESRO 1 SATELLITE
        ESA SPACECRAFT
        .ESA SATELLITES
        .#ESRO 1 SATELLITE
  RT    EUROPEAN SPACE AGENCY
        EUROPEAN SPACE PROGRAMS

ESRO 2 SATELLITE
  3107 3409
  GS    ARTIFICIAL SATELLITES
        .ESA SATELLITES
        .#ESRO 2 SATELLITE
        ESA SPACECRAFT
        .ESA SATELLITES
        .#ESRO 2 SATELLITE
  RT    EUROPEAN SPACE AGENCY
        EUROPEAN SPACE PROGRAMS

ESRO 4 SATELLITE
  3107 3409
  GS    ARTIFICIAL SATELLITES
        .ESA SATELLITES
        .#ESRO 4 SATELLITE
        ESA SPACECRAFT
        .ESA SATELLITES
        .#ESRO 4 SATELLITE
  RT    AURORAS
        EUROPEAN SPACE AGENCY
        EUROPEAN SPACE PROGRAMS
        PARTICLE DENSITY (CONCENTRATION)
        SCIENTIFIC SATELLITES

ESSA SATELLITES
  2004 3107
  GS    ARTIFICIAL SATELLITES
        .METEOROLOGICAL SATELLITES
        .#ESSA SATELLITES
        ...ESSA 1 SATELLITE
```

...ESSA 2 SATELLITE
...ESSA 3 SATELLITE
...ESSA 4 SATELLITE
...ESSA 5 SATELLITE
...ESSA 6 SATELLITE
...ESSA 7 SATELLITE
...ESSA 8 SATELLITE
...ESSA 9 SATELLITE
RT CLOUD PHOTOGRAPHY
NIMBUS SATELLITES
SATELLITE OBSERVATION
TIROS SATELLITES

ESSA 1 SATELLITE
2004 3107
UF OT-3
GS ARTIFICIAL SATELLITES
.METEOROLOGICAL SATELLITES
..ESSA SATELLITES
..#ESSA 1 SATELLITE
RT DELTA LAUNCH VEHICLE

ESSA 2 SATELLITE
2004 3107
UF OT-2
GS ARTIFICIAL SATELLITES
.METEOROLOGICAL SATELLITES
..ESSA SATELLITES
..#ESSA 2 SATELLITE
RT DELTA LAUNCH VEHICLE

ESSA 3 SATELLITE
2004 3107
UF TOS-A
GS ARTIFICIAL SATELLITES
.METEOROLOGICAL SATELLITES
..ESSA SATELLITES
..#ESSA 3 SATELLITE
RT DELTA LAUNCH VEHICLE

ESSA 4 SATELLITE
2004 3107
GS ARTIFICIAL SATELLITES
.METEOROLOGICAL SATELLITES
..ESSA SATELLITES
..#ESSA 4 SATELLITE
RT DELTA LAUNCH VEHICLE

ESSA 5 SATELLITE
2004 3107
GS ARTIFICIAL SATELLITES
.METEOROLOGICAL SATELLITES
..ESSA SATELLITES
..#ESSA 5 SATELLITE
RT DELTA LAUNCH VEHICLE

ESSA 6 SATELLITE
2004 3107
GS ARTIFICIAL SATELLITES
.METEOROLOGICAL SATELLITES
..ESSA SATELLITES
..#ESSA 6 SATELLITE
RT DELTA LAUNCH VEHICLE

ESSA 7 SATELLITE
2004 3107
GS ARTIFICIAL SATELLITES
.METEOROLOGICAL SATELLITES
..ESSA SATELLITES
..#ESSA 7 SATELLITE
RT DELTA LAUNCH VEHICLE

ESSA 8 SATELLITE
2004 3107
GS ARTIFICIAL SATELLITES
.METEOROLOGICAL SATELLITES
..ESSA SATELLITES
..#ESSA 8 SATELLITE
RT DELTA LAUNCH VEHICLE

ESSA 9 SATELLITE
2004 3107
GS ARTIFICIAL SATELLITES
.METEOROLOGICAL SATELLITES
..ESSA SATELLITES
..#ESSA 9 SATELLITE
RT DELTA LAUNCH VEHICLE

ESSENTIALLY NON-OSCILLATORY SCHEMES
1902
UF ENO SCHEMES
GS ANALYSIS (MATHEMATICS)
.NUMERICAL ANALYSIS
..APPROXIMATION
..#ESSENTIALLY NON-OSCILLATORY SCHEMES
RT FINITE DIFFERENCE THEORY
HYPERBOLIC DIFFERENTIAL EQUATIONS
TVD SCHEMES

ESTERS
0403 1808
GS #ESTERS
.ACRYLATES
.ALKYLATES
.ASPARTATES
.CARBAMATES (TRADENAME)
..URETHANES
.CARBOXYLATES
.CHLOROFORMATE
.COBALT ACETATES
.CYANURATES
.GLUTAMATES
.GLYCERIDES
.ISOCYANATES
..DIISOCYANATES
..FULMINATES
.LACTATES
.LEAD ACETATES
.MALEATES
.MEPROBAMATE
.NITRATE ESTERS
..ISOPROPYL NITRATE
..PROPYL NITRATE
.OCTOATES
.ORGANIC NITRATES
..CELLULOSE NITRATE
..NITROFORMS
...HYDRAZINE NITROFORM
..NITROGLYCERIN
..PETN
.PHTHALATES
.POLYCARBONATES
..LEXAN (TRADEMARK)
.POLYESTERS
.POLYETHYLENE TEREPHTHALATE
.SODIUM CHLORODIFLUOROACETATES
.SODIUM SALICYLATES
.STEARATES
.SULFONATES
.TRIACETIN
RT ACETATES
ACETYL COMPOUNDS
CITRATES
CYANATES
LIPIDS
NITROSYLS
ORGANIC COMPOUNDS
PLASTICIZERS
SALICYLATES
SKYDROL (TRADEMARK)

ESTIMATES
1902 3406
GS #ESTIMATES
.COST ESTIMATES
RT ALLOCATIONS
COMPARISON
CONFIDENCE LIMITS
CONTINGENCY
CONTRACTS
DAMAGE ASSESSMENT
ESTIMATING
EVALUATION
FORECASTING

```
        LIKELIHOOD RATIO
        MANAGEMENT METHODS
        MANAGEMENT PLANNING
        NOISE PREDICTION (AIRCRAFT)
        PARAMETER IDENTIFICATION
        PREDICTIONS
        PRODUCTION MANAGEMENT
        PROJECT PLANNING
        QUALITY CONTROL
        RELIABILITY
        RESERVES
        RISK
        STATISTICAL ANALYSIS
        STATISTICAL TESTS
      % STATISTICS
        SUBCONTRACTS
        SYSTEM IDENTIFICATION
        VALUE

ESTIMATING
  1902 3406
  GS  #ESTIMATING
        .ORBITAL POSITION ESTIMATION
        .PARAMETER IDENTIFICATION
        .SYSTEM IDENTIFICATION
  RT    BUDGETING
        CONTRACTS
        COSTS
        COUNTING
        CRITICAL PATH METHOD
        DELPHI METHOD (FORECASTING)
      % DESIGN
        ESTIMATES
      % ESTIMATORS
        EVALUATION
        FEASIBILITY
        FORECASTING
      % MEASUREMENT
        MISSION PLANNING
        NUMERICAL DIFFERENTIATION
        PATTERN METHOD (FORECASTING)
        PROBE METHOD (FORECASTING)
        PROFILE METHOD (FORECASTING)
        PROJECTS
        QUALITY CONTROL
        RESERVES
        RISK
        SAMPLING
        STANDARD DEVIATION
        STATISTICAL ANALYSIS
        STATISTICAL TESTS
      % STATISTICS
        TECHNOLOGICAL FORECASTING
        VALUE

% ESTIMATORS
  1902 3406
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    CORRELATION
        COST ESTIMATES
        ESTIMATING
        PARAMETERIZATION
        PERSONNEL

ESTONIA
  1305
  RT    BALTIC SEA
        EUROPE
        NATIONS

ESTROGENS
  0403 0404 0405 0408
  GS    ORGANIC COMPOUNDS
        .LIPIDS
        ..STEROIDS
        ..#ESTROGENS
        SECRETIONS
        .ENDOCRINE SECRETIONS
        ..HORMONES
        ..#ESTROGENS
  RT    ENDOCRINE GLANDS
        SEX GLANDS

ESTUARIES
  1305 1306 1310
  UF    OUTLETS (GEOLOGY)
  RT    CHESAPEAKE BAY (US)
        COASTS
        FISHERIES
        GEOGRAPHY
        HARBORS
        OCEANOGRAPHY
        RIVERS
        TIDAL FLATS
        TIDES
        TRIBUTARIES

ETA-MESONS
  2403 2405
  GS    PARTICLES
        .ELEMENTARY PARTICLES
        ..BOSONS
        ...MESONS
        ...#ETA-MESONS
        ..FERMIONS
        ..#ETA-MESONS
        .NUCLEAR PARTICLES
        ..BOSONS
        ...MESONS
        ...#ETA-MESONS
  RT    BARYONS
        CHARGED PARTICLES
        OMEGA-MESONS
        RHO-MESONS
        SIGMA-MESONS

ETALONS
  1405 1406 1409
  GS    MEASURING INSTRUMENTS
        .INTERFEROMETERS
        .#ETALONS
        .OPTICAL MEASURING INSTRUMENTS
        .#ETALONS
        MIRRORS
        #ETALONS
        OPTICAL EQUIPMENT
        .OPTICAL MEASURING INSTRUMENTS
        .#ETALONS
  RT    ASTRONOMICAL INTERFEROMETRY
        DIFFRACTOMETERS
        FABRY-PEROT INTERFEROMETERS
        FLATNESS
        GONIOMETERS
        OPTICAL MEASUREMENT
        PHOTOGONIOMETERS
        REFLECTORS
        RONCHI TEST
        SAGNAC EFFECT
        SPECULAR REFLECTION
        TELESCOPES
        VERY LONG BASE INTERFEROMETRY

ETCHANTS
  0602 0604 1704 2601
  RT    CORROSION
        ETCHING

ETCHING
  0602 0604 1704 2601
  RT    CORROSION
        ENGRAVING
        EROSION
        ETCHANTS
        METALLOGRAPHY
        PITTING
        ULTRASONIC CLEANING

ETHANE
  0403 1808
  GS    ORGANIC COMPOUNDS
        .HYDROCARBONS
        ..ALIPHATIC HYDROCARBONS
        ...ALKANES
```

```
      ...#ETHANE
  RT  HYDROCARBON FUELS

ETHANE NITRILE
  USE  ACETONITRILE

ETHANOL
  USE  ETHYL ALCOHOL

ETHERS
  0403 1808
  GS  #ETHERS
      .ACETALS
      .ANISOLE
      .DIETHYL ETHER
      .GALLAMINE TRIETHIODIDE
      .POLYPHENYL ETHER
  RT  ANESTHETICS
      DRUGS
      EPOXY COMPOUNDS
      ORGANIC COMPOUNDS
      PEEK
      PROPARGYL GROUPS

ETHICS
  3406
  RT % METHODOLOGY
      NORMS
      RESEARCH

ETHIOPIA
  1305
  GS  NATIONS
      #ETHIOPIA
  RT  AFRICA

ETHNIC FACTORS
  3402
  GS  SOCIOLOGY
      .SOCIAL FACTORS
      .#ETHNIC FACTORS
  RT  AMERICAN INDIANS
      COMMUNITIES
      CULTURE (SOCIAL SCIENCES)
      GROUP DYNAMICS
      RACE FACTORS

ETHOXY ETHYLENE
  1808
  GS  ETHYLENE COMPOUNDS
      #ETHOXY ETHYLENE

ETHYL ALCOHOL
  0403 1808
  UF  ETHANOL
  GS  HYDROXYL COMPOUNDS
      .ALCOHOLS
      .#ETHYL ALCOHOL
  RT  ATMOSPHERIC ENERGY SOURCES
      CARBOHYDRATES

ETHYL COMPOUNDS
  1808
  RT % CHEMICAL COMPOUNDS
      DIETHYL COMPOUNDS
      DIETHYL HYDROGEN PHOSPHITE (DEHP)
      TETRAETHYL ORTHOSILICATE
      TRIETHYL COMPOUNDS

ETHYLENE
  0403 1808
  GS  ORGANIC COMPOUNDS
      .HYDROCARBONS
      ..ALIPHATIC HYDROCARBONS
      ...ALKENES
      ...#ETHYLENE
      .....VINYLIDENE
  RT  HYDROCARBON FUELS
      POLYETHYLENES

ETHYLENE COMPOUNDS
  0403 1808
  GS  #ETHYLENE COMPOUNDS
      .CHLOROETHYLENE
      .ETHOXY ETHYLENE
      .ETHYLENE DIHYDRAZINE
      .ETHYLENEDIAMINE
      .ETHYLENEDIAMINETETRAACETIC ACIDS
  RT % CHEMICAL COMPOUNDS

ETHYLENE DIHYDRAZINE
  0403 1808
  GS  ETHYLENE COMPOUNDS
      #ETHYLENE DIHYDRAZINE
      HYDRAZINES
      #ETHYLENE DIHYDRAZINE

ETHYLENE OXIDE
  0403 1808
  GS  EPOXY COMPOUNDS
      #ETHYLENE OXIDE
      ORGANIC COMPOUNDS
      .CYCLIC COMPOUNDS
      ..HETEROCYCLIC COMPOUNDS
      ..#ETHYLENE OXIDE
  RT  BACTERICIDES
      CHEMICAL STERILIZATION
      DECONTAMINATION
      OXIDES
      SPACECRAFT STERILIZATION

ETHYLENEDIAMINE
  0403 1808
  GS  AMINES
      .DIAMINES
      .#ETHYLENEDIAMINE
      ETHYLENE COMPOUNDS
      #ETHYLENEDIAMINE

ETHYLENEDIAMINETETRAACETIC ACIDS
  0403 1808
  UF  EDTA
  GS  ACIDS
      .CARBOXYLIC ACIDS
      ..FATTY ACIDS
      ...ACETIC ACID
      ...#ETHYLENEDIAMINETETRAACETIC
          ACIDS
      ETHYLENE COMPOUNDS
      #ETHYLENEDIAMINETETRAACETIC ACIDS
      ORGANIC COMPOUNDS
      .CARBOXYLIC ACIDS
      ..FATTY ACIDS
      ...ACETIC ACID
      ...#ETHYLENEDIAMINETETRAACETIC
          ACIDS
  RT  ACETATES
      DETERGENTS

ETIOLOGY
  0405 0410
  RT  CASE HISTORIES
      CAUSES
      DISEASES
      PREVENTION

ETR (REACTORS)
  USE  ENGINEERING TEST REACTORS

ETTINGSHAUSEN COOLERS
  USE  ETTINGSHAUSEN EFFECT
       THERMOELECTRIC COOLING

ETTINGSHAUSEN EFFECT
  1704 2304 2307 2602 2603 3303 3304
  UF  ETTINGSHAUSEN COOLERS
  RT  COOLING SYSTEMS
    % EFFECTS
      TEMPERATURE EFFECTS
      THERMOELECTRIC COOLING
      THERMOELECTRICITY
      THERMOMAGNETIC COOLING
      THERMOMAGNETIC EFFECTS

EUCLIDEAN GEOMETRY
```

```
1902
UF   EUCLIDEAN SPACE
GS   GEOMETRY
     #EUCLIDEAN GEOMETRY
     ..ANALYTIC GEOMETRY
     ...CATENARIES
     ...CIRCUMFERENCES
     ...CONICS
     ....ELLIPSES
     ....HYPERBOLAS
     ....PARABOLAS
     ...CYCLOIDS
     ...EPICYCLOIDS
     ...LOCI
     ...MERCATOR PROJECTION
     ...QUADRANTS
     ...S CURVES
     ....GOMPERTZ CURVES
     ...SPHEROIDS
     ....OBLATE SPHEROIDS
     ....PROLATE SPHEROIDS
     ...TANGENTS
     ...TORUSES
     ...TRIGONOMETRY
     ..ANGLES (GEOMETRY)
     ...ANGLE OF ATTACK
     ....ZERO ANGLE OF ATTACK
     ...BRAGG ANGLE
     ...BREWSTER ANGLE
     ...DIHEDRAL ANGLE
     ...ELEVATION ANGLE
     ...LOOK ANGLES (ELECTRONICS)
     ...LOOK ANGLES (TRACKING)
     ...SWEEP ANGLE
     ....SWEEPBACK
     .....LEADING EDGE SWEEP
     ..CARTESIAN COORDINATES
     ..CIRCLES (GEOMETRY)
     ...GREAT CIRCLES
     ..DESCRIPTIVE GEOMETRY
     ..LINES (GEOMETRY)
     ...CHORDS (GEOMETRY)
     ...GEODESIC LINES
     ..POINTS (MATHEMATICS)
     ...FIXED POINTS (MATHEMATICS)
     ...INFLECTION POINTS
     ..POLYGONS
     ...HEXAGONS
     ...TETRAGONS
     ....PARALLELOGRAMS
     .....RHOMBOIDS
     ....RECTANGLES
     ....SQUARES (MATHEMATICS)
     ....TRAPEZOIDS
     ...TRIANGLES
     ..POLYHEDRONS
     ...CUBES (MATHEMATICS)
     ...ICOSAHEDRONS
     ...OCTAHEDRONS
     ...PARALLELEPIPEDS
     ...PYRAMIDS
     ...RHOMBOHEDRONS
     ...TETRAHEDRONS
     ..PROJECTIVE GEOMETRY
     ...MERCATOR PROJECTION
     ..RADII
     ...LARMOR RADIUS
RT   COORDINATES
     CURVES (GEOMETRY)
     PHASE-SPACE INTEGRAL
     POLYTOPES
     RIEMANN MANIFOLD
     SOBOLEV SPACE
     SPHERES

EUCLIDEAN SPACE
USE  EUCLIDEAN GEOMETRY

EUDIOMETERS
0601 0904 1406
GS   MEASURING INSTRUMENTS
     #EUDIOMETERS
RT   GAS MIXTURES
     SPARK IGNITION

EUGLENA
0404 0407
GS   ANIMALS
     .PROTOZOA
     ..FLAGELLATA
     ..#EUGLENA
     MICROORGANISMS
     .PROTOZOA
     ..FLAGELLATA
     ..#EUGLENA
RT   ALGAE

EUKARYOTES
0404 0406 0407
GS   CELLS (BIOLOGY)
     #EUKARYOTES
RT   BACTERIA
     BIOLOGICAL EVOLUTION
     CYTOLOGY
     MOLECULAR BIOLOGY
     PROKARYOTES

EULER BUCKLING
3203 3407
GS   BUCKLING
     #EULER BUCKLING
RT   STRESS ANALYSIS

EULER EQUATIONS OF MOTION
1202 1204 1902 2308
GS   EQUATIONS OF MOTION
     #EULER EQUATIONS OF MOTION
RT % EQUATIONS
     HYDRODYNAMICS
     MOMENTS OF INERTIA
     PRIMITIVE EQUATIONS
     RIGID STRUCTURES
     UPWIND SCHEMES (MATHEMATICS)

EULER-CAUCHY EQUATIONS
1902 3501
GS   ANALYSIS (MATHEMATICS)
     .REAL VARIABLES
     ..DIFFERENTIAL EQUATIONS
     ...PARTIAL DIFFERENTIAL EQUATIONS
     ...#EULER-CAUCHY EQUATIONS
RT   COMPLEX VARIABLES
     CONFORMAL MAPPING
   % EQUATIONS
     VECTOR ANALYSIS

EULER-LAGRANGE EQUATION
1202 1204 1902 2311 3501
UF   LAGRANGE EQUATIONS OF MOTION
GS   EQUATIONS OF MOTION
     #EULER-LAGRANGE EQUATION
RT   CALCULUS OF VARIATIONS
     CASTIGLIANO VARIATIONAL THEOREM
     CLASSICAL MECHANICS
   % EQUATIONS
     EXTREMUM VALUES
     LAGRANGIAN FUNCTION

EULER-LAMBERT EQUATION
1904 3006 3501
RT   ELLIPTICAL ORBITS
   % EQUATIONS

EULERIAN NUTATION
USE  CHANDLER WOBBLE

EURECA (ESA)
3109
UF   EUROPEAN RETRIEVABLE CARRIER
GS   SPACE PLATFORMS
     #EURECA (ESA)
RT   SPACE SHUTTLES

EUROPA
3001 3005 3008
```

```
  GS    CELESTIAL BODIES
        .NATURAL SATELLITES
        ..ICY SATELLITES
        ..#EUROPA
        ..JUPITER SATELLITES
        ...GALILEAN SATELLITES
        ...#EUROPA
  RT    CHARON
        JUPITER (PLANET)

EUROPA LAUNCH VEHICLES
  3103
  GS    LAUNCH VEHICLES
        #EUROPA LAUNCH VEHICLES
        ..EUROPA 1 LAUNCH VEHICLE
        ..EUROPA 2 LAUNCH VEHICLE
        ..EUROPA 3 LAUNCH VEHICLE
        ..EUROPA 4 LAUNCH VEHICLE
  RT    ARIANE LAUNCH VEHICLE
        ELDO LAUNCH VEHICLE
        EUROPEAN SPACE AGENCY
        EUROPEAN SPACE PROGRAMS
     %  VEHICLES

EUROPA 1 LAUNCH VEHICLE
  3103
  GS    LAUNCH VEHICLES
        .EUROPA LAUNCH VEHICLES
        .#EUROPA 1 LAUNCH VEHICLE

EUROPA 2 LAUNCH VEHICLE
  3103
  GS    LAUNCH VEHICLES
        .EUROPA LAUNCH VEHICLES
        .#EUROPA 2 LAUNCH VEHICLE
  RT    COS-B SATELLITE

EUROPA 3 LAUNCH VEHICLE
  3103
  GS    LAUNCH VEHICLES
        .EUROPA LAUNCH VEHICLES
        .#EUROPA 3 LAUNCH VEHICLE

EUROPA 4 LAUNCH VEHICLE
  3103
  GS    LAUNCH VEHICLES
        .EUROPA LAUNCH VEHICLES
        .#EUROPA 4 LAUNCH VEHICLE

EUROPE
  1305
  GS    CONTINENTS
        #EUROPE
  RT    ALBANIA
        ALPS MOUNTAINS (EUROPE)
        ANDORRA
        ARMENIA
        AUSTRIA
        AZERBAIJAN
        BALTIC SHIELD (EUROPE)
        BELARUS
        BELGIUM
        BULGARIA
        CARPATHIAN MOUNTAINS (EUROPE)
        CENTRAL EUROPE
        COMMONWEALTH OF INDEPENDENT STATES
        CZECHOSLOVAKIA
        DENMARK
        EAST GERMANY
        ENGLAND
        ESTONIA
        FINLAND
        FRANCE
        GEORGIA (EURASIA)
        GIBRALTAR
        GREECE
        HUNGARY
        ICELAND
        ITALY
        LATVIA
        LIECHTENSTEIN
        LITHUANIA
        LUXEMBOURG
        MOLDAVIA
        MONACO
        NATIONS
        NETHERLANDS
        NORTHERN IRELAND
        NORWAY
        POLAND
        PORTUGAL
        ROMANIA
        RUSSIAN FEDERATION
        SAN MARINO
        SCOTLAND
        SPAIN
        SWEDEN
        SWITZERLAND
        TURKEY
        U.S.S.R.
        UKRAINE
        UNITED KINGDOM
        VATICAN CITY
        WALES
        WEST GERMANY
        YUGOSLAVIA

EUROPEAN AIRBUS
  0201 0204
  UF    AIRBUS
  GS    COMMERCIAL AIRCRAFT
        #EUROPEAN AIRBUS
        ..A-300 AIRCRAFT
        ..A-310 AIRCRAFT
        ..A-320 AIRCRAFT
        JET AIRCRAFT
        #EUROPEAN AIRBUS
        ..A-300 AIRCRAFT
        ..A-310 AIRCRAFT
        ..A-320 AIRCRAFT
        PASSENGER AIRCRAFT
        #EUROPEAN AIRBUS
        ..A-300 AIRCRAFT
        ..A-310 AIRCRAFT
        ..A-320 AIRCRAFT
        TRANSPORT AIRCRAFT
        .SHORT HAUL AIRCRAFT
        .#EUROPEAN AIRBUS
        ...A-300 AIRCRAFT
        ...A-310 AIRCRAFT
        ...A-320 AIRCRAFT
  RT %  AIRCRAFT
        INTERNATIONAL COOPERATION

EUROPEAN COMMUNICATIONS SATELLITE
  0706 3107 3409
  UF    ECS
  GS    ARTIFICIAL SATELLITES
        .COMMUNICATION SATELLITES
        .#EUROPEAN COMMUNICATIONS SATELLITE
        .ESA SATELLITES
        .#EUROPEAN COMMUNICATIONS SATELLITE
        ESA SPACECRAFT
        .ESA SATELLITES
        .#EUROPEAN COMMUNICATIONS SATELLITE
  RT    EUROPEAN SPACE PROGRAMS
        OTS (ESA)

EUROPEAN INCOHERENT SCATTER RADAR
  USE   EISCAT RADAR SYSTEM (EUROPE)

EUROPEAN LARGE TELECOMM SATELLITE
  USE   L-SAT

EUROPEAN RETRIEVABLE CARRIER
  USE   EURECA (ESA)

EUROPEAN SPACE AGENCY
  3403 3409
  UF    ESA
        ESRO
        EUROPEAN SPACE RESEARCH
        ORGANIZATION
  GS    ORGANIZATIONS
        #EUROPEAN SPACE AGENCY
```

```
  RT   ARIANE LAUNCH VEHICLE
       CASSINI MISSION
       ELDO LAUNCH VEHICLE
       ERS-1 (ESA SATELLITE)
       ESA SATELLITES
       ESRO 1 SATELLITE
       ESRO 2 SATELLITE
       ESRO 4 SATELLITE
       EUROPA LAUNCH VEHICLES
       EUROPEAN SPACE PROGRAMS
       EXPOS (SPACELAB PAYLOAD)
       GEOSARI PROJECT
       ICL COMPUTERS
       LIRTS (TELESCOPE)
       MAROTS (ESA)
       METEOSAT SATELLITE
       SPACE PROGRAMS

EUROPEAN SPACE PROGRAMS
  3409 3009
  GS   PROGRAMS
       .SPACE PROGRAMS
       .#EUROPEAN SPACE PROGRAMS
       ...AUSTRIAN SPACE PROGRAM
       ...BELGIAN SPACE PROGRAM
       ...CZECHOSLOVAKIAN SPACE PROGRAM
       ...DANISH SPACE PROGRAM
       ...FINNISH SPACE PROGRAM
       ...FRENCH SPACE PROGRAM
       ...GERMAN SPACE PROGRAM
       ...GREEK SPACE PROGRAM
       ...HUNGARIAN SPACE PROGRAM
       ...ICELANDIC SPACE PROGRAM
       ...ITALIAN SPACE PROGRAM
       ...LUXEMBOURG SPACE PROGRAM
       ...NETHERLANDS SPACE PROGRAM
       ...NORWEGIAN SPACE PROGRAM
       ...PORTUGUESE SPACE PROGRAM
       ...SPANISH SPACE PROGRAM
       ...SWEDISH SPACE PROGRAM
       ...SWISS SPACE PROGRAM
       ...TURKISH SPACE PROGRAM
       ...U.S.S.R. SPACE PROGRAM
       ...UK SPACE PROGRAM
  RT   AEROSAT SATELLITES
       AMPTE (SATELLITES)
       ARIANE LAUNCH VEHICLE
       AZUR SATELLITE
       CASSINI MISSION
       CLUSTER MISSION
       COMMITTEE ON SPACE RESEARCH
       COS-B SATELLITE
       DIAL SATELLITE
       EARTHNET
       ESA SATELLITES
       ESRO 1 SATELLITE
       ESRO 2 SATELLITE
       ESRO 4 SATELLITE
       EUROPA LAUNCH VEHICLES
       EUROPEAN COMMUNICATIONS SATELLITE
       EUROPEAN SPACE AGENCY
       EXOSAT SATELLITE
       FOREIGN POLICY
       FRENCH SATELLITES
       GEOS SATELLITES (ESA)
       HEOS SATELLITES
       HIPPARCOS SATELLITE
       INFRARED SPACE OBSERVATORY (ISO)
       INTERNATIONAL MAGNETOSPHERIC STUDY
       INTERNATIONAL SATELLITE GEODESY
       EXPERIMENT
       IRIS SATELLITES
       MAN TENDED FREE FLYERS
       MARECS MARITIME SATELLITES
       METEOSAT SATELLITE
       OTS (ESA)
       QUASAT
       SOHO MISSION
       SPACE MISSIONS
       SYMPHONIE SATELLITES

EUROPEAN SPACE RESEARCH ORGANIZATION
  USE  EUROPEAN SPACE AGENCY

EUROPEAN SPACE RESEARCH ORGANIZATION SAT
  USE  ESA SATELLITES

EUROPEAN 1 SPACECRAFT
  3110 3409
  GS   ARTIFICIAL SATELLITES
       #EUROPEAN 1 SPACECRAFT
  RT   ELDO LAUNCH VEHICLE

EUROPIUM
  0603 1703
  GS   CHEMICAL ELEMENTS
       .RARE EARTH ELEMENTS
       .#EUROPIUM
       ...EUROPIUM ISOTOPES
       METALS
       .RARE EARTH ELEMENTS
       .#EUROPIUM
       ...EUROPIUM ISOTOPES

EUROPIUM COMPOUNDS
  1703 1704 1804
  GS   RARE EARTH COMPOUNDS
       #EUROPIUM COMPOUNDS
  RT % CHEMICAL COMPOUNDS
     % METAL COMPOUNDS

EUROPIUM ISOTOPES
  0603 1703 1704 2406
  GS   CHEMICAL ELEMENTS
       .NUCLIDES
       ..ISOTOPES
       ..#EUROPIUM ISOTOPES
       .RARE EARTH ELEMENTS
       ..EUROPIUM
       ..#EUROPIUM ISOTOPES
       METALS
       .RARE EARTH ELEMENTS
       ..EUROPIUM
       ..#EUROPIUM ISOTOPES

EUSTACHIAN TUBES
  0404 0408
  GS   ANATOMY
       .SENSE ORGANS
       ..EAR
       ..#EUSTACHIAN TUBES
  RT   EARDRUMS
     % TUBES

EUTECTIC ALLOYS
  0603 1701 2603 3304
  GS   ALLOYS
       #EUTECTIC ALLOYS
       BINARY SYSTEMS (MATERIALS)
       .BINARY MIXTURES
       ..EUTECTICS
       ..#EUTECTIC ALLOYS
       MIXTURES
       .BINARY MIXTURES
       ..EUTECTICS
       ..#EUTECTIC ALLOYS
  RT   ALLOYING
       BISMUTH ALLOYS
       LAMELLA (METALLURGY)
       SUPERPLASTICITY
       WHISKER COMPOSITES

EUTECTIC COMPOSITES
  1701
  GS   COMPOSITE MATERIALS
       .METAL MATRIX COMPOSITES
       .#EUTECTIC COMPOSITES
  RT   ALLOYS
       DIRECTIONAL SOLIDIFICATION
       (CRYSTALS)
       EUTECTICS
       FRACTURE STRENGTH
     % MATRICES
       METALS
       MIXTURES
```

PRECIPITATION HARDENING

EUTECTIC DIAGRAMS
USE PHASE DIAGRAMS

EUTECTICS
0603 1701 2603 3304
GS BINARY SYSTEMS (MATERIALS)
.BINARY MIXTURES
.#EUTECTICS
...EUTECTIC ALLOYS
MIXTURES
.BINARY MIXTURES
.#EUTECTICS
...EUTECTIC ALLOYS
RT ALLOYING
ALLOYS
EUTECTIC COMPOSITES
LIQUID PHASES
PHASE DIAGRAMS
SOLID PHASES
SOLUTIONS
SYNTECTIC ALLOYS

EUTROPHICATION
0403 0404 1306
RT ENVIRONMENT EFFECTS
LAKES
% NUTRIENTS

EUVE
USE EXTREME ULTRAVIOLET EXPLORER SATELLITE

EUXENITE
1703 1806
GS MINERALS
#EUXENITE
RT NIOBATES
OXIDES
TITANATES

EVA
USE EXTRAVEHICULAR ACTIVITY

% EVACUATING
0203 3407
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT EVACUATING (TRANSPORTATION)
EVACUATING (VACUUM)

EVACUATING (TRANSPORTATION)
0203
SN (LIMITED TO CLEARANCE OF PERSONNEL, ANIMALS, OR MATERIAL FROM A GIVEN LOCALITY)
RT C-9 AIRCRAFT
CASUALTIES
CIVIL DEFENSE
EJECTION
ELIMINATION
% EVACUATING
HOSPITALS
MOBILE QUARANTINE FACILITY
REMOVAL
TRANSPORTATION
UNLOADING

EVACUATING (VACUUM)
1203 1506 3501
UF GAS EVACUATING
RT DRAINAGE
EJECTION
ELIMINATION
% EVACUATING
EXHAUSTING
GAS POCKETS
PURGING
REMOVAL
SUCTION
VACUUM
VACUUM PUMPS
VENTING
VENTS

EVAL
USE EARTH VIEWING APPLICATIONS LABORATORY

EVALUATION
0502 3406
GS #EVALUATION
.TRAINING EVALUATION
RT ACCELERATED LIFE TESTS
ACCEPTABILITY
% ANALYZING
APPROACH AND LANDING TESTS (STS)
ASSESSMENTS
CERTIFICATION
% CLASSIFYING
COMPARISON
COMPUTER SYSTEMS PERFORMANCE
CORRELATION
COSTS
CRITERIA
CROP IDENTIFICATION
% DISCUSSION
ECONOMICS
ESTIMATES
ESTIMATING
EXAMINATION
FEASIBILITY
FIGURE OF MERIT
FORECASTING
% INDICATION
INSPECTION
MANAGEMENT
% MEASUREMENT
NORMALIZING (STATISTICS)
OBSERVATION
% PERFORMANCE
PERFORMANCE PREDICTION
POSITION (TITLE)
PROVING
QUALITY
RANKING
RATINGS
REJECTION
RESERVES
REVIEWING
SELECTION
STATISTICAL CORRELATION
TECHNOLOGY ASSESSMENT
% TESTS
TIMBER IDENTIFICATION
VALUE

EVANESCENCE
1202 1203 3408
RT EVAPORATION
SURFACE PROPERTIES
TRANSPIRATION

EVAPORATION
0602 1802 2003 2311 3304 3407
GS PHASE TRANSFORMATIONS
.VAPORIZING
.#EVAPORATION
...EVAPOTRANSPIRATION
...PROPELLANT EVAPORATION
...TRANSPIRATION
RT BOILING
CONCENTRATING
CONDENSING
DEHYDRATION
DIFFUSION
DISTILLATION
DRYING
EVANESCENCE
EVAPORATIVE COOLING
EVAPOROGRAPHY
FLASHING (VAPORIZING)
GAS-LIQUID INTERACTIONS

GAS-METAL INTERACTIONS
HYDROLOGICAL CYCLE
LIQUID-VAPOR INTERFACES
PERSPIRATION
RESERVOIRS
RESPIRATORY SYSTEM
% SEPARATION
SKIN (ANATOMY)
SUBLIMATION
VOLATILITY
WATER LOSS

EVAPORATION RATE
0602 3303 3501
GS RATES (PER TIME)
#EVAPORATION RATE
RT HEAT TRANSFER COEFFICIENTS

EVAPORATIVE COOLING
0101 0202 1504 2003 3303 3501
GS COOLING
#EVAPORATIVE COOLING
..FILM COOLING
..SWEAT COOLING
RT COOLING SYSTEMS
CRYOGENIC FLUID STORAGE
EVAPORATION
PROPELLANT EVAPORATION
SURFACE COOLING

EVAPORATORS
0602 1504 3303
GS HEATING EQUIPMENT
.VAPORIZERS
.#EVAPORATORS
SEPARATORS
#EVAPORATORS
RT AIR CONDITIONING EQUIPMENT
ATOMIZERS
CONCENTRATORS
CONDENSERS (LIQUEFIERS)
COOLING SYSTEMS
DRYING APPARATUS
HEAT EXCHANGERS
REFRIGERATING MACHINERY

EVAPOROGRAPHY
0602 1203 1404 1407 2306 2310 2311
3501
RT EVAPORATION
IMAGES
INFRARED RADIATION
PHOTOGRAPHY

EVAPOTRANSPIRATION
0404 0409 1305
GS PHASE TRANSFORMATIONS
.VAPORIZING
..EVAPORATION
..#EVAPOTRANSPIRATION
RT TRANSPIRATION
VADOSE WATER

EVASIVE ACTIONS
3401
GS MANEUVERS
#EVASIVE ACTIONS
RT ELECTRONIC WARFARE
OBSTACLE AVOIDANCE
TACTICS
WARFARE

EVASIVE SATELLITES
3107 3110 3401
GS ARTIFICIAL SATELLITES
#EVASIVE SATELLITES
MANEUVERABLE SPACECRAFT
#EVASIVE SATELLITES
RT MILITARY SPACECRAFT

EVECTION
USE LUNAR ORBITS
ORBIT PERTURBATION
SOLAR GRAVITATION

EVEN-EVEN NUCLEI
2401 2405
GS PARTICLES
.CHARGED PARTICLES
..ENERGETIC PARTICLES
...NUCLEI (NUCLEAR PHYSICS)
...#EVEN-EVEN NUCLEI
RT NUCLEAR STRUCTURE
ODD-EVEN NUCLEI
ODD-ODD NUCLEI

EVENING
1308 3001
RT DAYTIME
NIGHT
SUNSET

EVENT HORIZON
2308 3003 3009
RT BLACK HOLES (ASTRONOMY)
COSMOLOGY
GRAVITATION THEORY
HORIZON
NAKED SINGULARITIES
RELATIVITY
SCHWARZSCHILD METRIC
WHITE HOLES (ASTRONOMY)

EVENTS
1902 2308 2311
GS #EVENTS
.CONSECUTIVE EVENTS
RT OCCURRENCES
PROBABILITY DENSITY FUNCTIONS
PROBABILITY THEORY
STATISTICAL ANALYSIS
STATISTICAL DISTRIBUTIONS
STOCHASTIC PROCESSES

EVERGLADES (FL)
1305
RT FLORIDA

EVOKED RESPONSE (PSYCHOPHYSIOLOGY)
0402 0404 0408 0410
RT PHYSIOLOGICAL RESPONSES
PSYCHOPHYSIOLOGY

% EVOLUTION
0404 0602 1902 3002 3304 3401 3403
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT BIOGENY
CHEMICAL EVOLUTION
EVOLUTION (DEVELOPMENT)
EVOLUTION (LIBERATION)
EXISTENCE

EVOLUTION (DEVELOPMENT)
0404 1902 3002 3003
GS #EVOLUTION (DEVELOPMENT)
.BIOLOGICAL EVOLUTION
..ABIOGENESIS
.CHEMICAL EVOLUTION
.GALACTIC EVOLUTION
.LUNAR EVOLUTION
.PLANETARY EVOLUTION
.SOLAR SYSTEM EVOLUTION
.STELLAR EVOLUTION
..STAR FORMATION
..STELLAR MASS ACCRETION
RT % BIOLOGY
% DEVELOPMENT
% EVOLUTION
EXTINCTION
GENE EXPRESSION
GENETICS
GROWTH
HEREDITY

```
      INTERSTELLAR EXTINCTION
      ONTOGENY
      SPECIES DIFFUSION

EVOLUTION (LIBERATION)
  0602 3304 3401
  GS  #EVOLUTION (LIBERATION)
      .GAS EVOLUTION
  RT  BOILING
      DESORPTION
    % EVOLUTION
      OUTGASSING
      TRANSPIRATION
      VAPORIZING

EXACTNESS
  USE  PRECISION

EXAMINATION
  0401 0405 1108 1406 1505 3406
  GS  #EXAMINATION
      .EYE EXAMINATIONS
  RT  ACCEPTABILITY
    % ANALYZING
      CHARACTERIZATION
      CLINICAL MEDICINE
      COMPARISON
      CONICAL SCANNING
      DETECTION
      DIAGNOSIS
    % DISCUSSION
      EVALUATION
      EXPLORATION
      INSPECTION
      INVESTIGATION
    % MEASUREMENT
      OBSERVATION
    % PERFORMANCE
      PROVING
      REVIEWING
      SCANNING
    % TESTS
      TRAINING EVALUATION
      ULTRASONIC FLAW DETECTION

EXCAVATION
  1306 1308 1504 3404
  UF  DITCHING (EXCAVATION)
  GS  #EXCAVATION
      .TUNNELING (EXCAVATION)
  RT  BOREHOLES
      CONSTRUCTION
    % DITCHING
      DRAINAGE
      EXPLORATION
      FOUNDATIONS
      LUNAR EXCAVATION EQUIPMENT
      MATERIALS HANDLING
      MINERAL DEPOSITS
      MINERAL EXPLORATION
      MINING
      PITS (EXCAVATIONS)
      STRIP MINING
      UNDERGROUND STRUCTURES

% EXCHANGERS
  1202 1501 1803 3303 3304 3305 3501
  SN  (USE OF A MORE SPECIFIC TERM IS
      RECOMMENDED--CONSULT THE TERMS
      LISTED BELOW)
  RT  HEAT EXCHANGERS

EXCHANGING
  0603 1202 3303 3407
  GS  #EXCHANGING
      .CHARGE EXCHANGE
      ..RESONANCE CHARGE EXCHANGE
      .GAS EXCHANGE
      .ION EXCHANGING
      .SPIN EXCHANGE
  RT % CONVERSION
      DEIONIZATION
    % SEPARATION
    % SHIFT
      TRANSFERRING

EXCIMER LASERS
  0605
  GS  STIMULATED EMISSION DEVICES
      .LASERS
      ..GAS LASERS
      ..#EXCIMER LASERS
  RT  ELECTRON PUMPING
      FLUORIDES
      HALOGENS
      LASER DEPOSITION
      LASER OUTPUTS
      LASING
      OPTICAL PUMPING
      PULSED LASER DEPOSITION
    % RARE GAS COMPOUNDS
      XENON CHLORIDE LASERS
      XENON FLUORIDE LASERS

EXCIMERS
  0605 1601
  RT  ELECTRON ORBITALS
      ELECTRON STATES
      ELECTRON TRANSITIONS
      INTERMOLECULAR FORCES
      MOLECULAR ENERGY LEVELS
    % RARE GAS COMPOUNDS

EXCITATION
  2308 2311 2401 2404 2405 2406
  UF  EXCITED STATES
  GS  #EXCITATION
      .ATOMIC EXCITATIONS
      .MOLECULAR EXCITATION
      .PHOTOEXCITATION
      .SELF EXCITATION
      .WAVE EXCITATION
      ..ACOUSTIC EXCITATION
      ..HARMONIC EXCITATION
  RT  ACTIVATION
      ACTUATION
      ATOMIC ENERGY LEVELS
      AURORAL IONIZATION
      AURORAL IRRADIATION
      ELECTROMAGNETIC ABSORPTION
      ELECTRON STATES
      ELECTRON TRANSITIONS
      EMISSION
      ENERGY LEVELS
      IONIZATION
      IRRADIATION
      LASER INDUCED FLUORESCENCE
      METASTABLE STATE
      RADIATION TRAPPING
      RELAXATION TIME
      ROTONS
      STARTING
      TRANSITION PROBABILITIES

EXCITED STATES
  USE  EXCITATION

EXCITONS
  2401 2403 2602
  GS  ELEMENTARY EXCITATIONS
      #EXCITONS
  RT  CARRIER MOBILITY
      ELECTRICAL INSULATION
      ELECTRONS
      ENERGY BANDS
      HOLES (ELECTRON DEFICIENCIES)
      IONIC CRYSTALS
      LIGHT (VISIBLE RADIATION)
      OPTICAL PROPERTIES
      PHOTOELECTROMAGNETIC EFFECTS
      PLASMONS
      POSITRONIUM
      SEMICONDUCTORS (MATERIALS)
      SPECTRA
      SUHL EFFECT
```

EXCLUSION
2402 2403
RT ELIMINATION
ISOLATION
PAULI EXCLUSION PRINCIPLE
REJECTION
% SEPARATION

EXCRETION
0404
RT EXPULSION
FECES
HUMAN WASTES
PERSPIRATION
URINE

EXECUTIVE AIRCRAFT
USE GENERAL AVIATION AIRCRAFT
PASSENGER AIRCRAFT

EXECUTIVE SYSTEMS (COMPUTERS)
USE OPERATING SYSTEMS (COMPUTERS)

EXERCISE
USE PHYSICAL EXERCISE

EXERCISE PHYSIOLOGY
0401
GS PHYSIOLOGY
#EXERCISE PHYSIOLOGY
RT CIRCULATORY SYSTEM
HUMAN BODY
LOCOMOTION
MUSCULAR TONUS
PHYSICAL FITNESS
PHYSIOCHEMISTRY
PHYSIOLOGICAL EFFECTS
RESPIRATORY PHYSIOLOGY
SPORTS MEDICINE
STRESS (PHYSIOLOGY)

EXERTION
USE PHYSICAL WORK

EXHALATION
0404 0405
RT ALVEOLAR AIR
EXPIRED AIR
RESPIROMETERS

EXHAUST CLOUDS
1301 1308 2003
UF GROUND CLOUDS
LAUNCH CLOUDS
RT AEROSOLS
% CLOUDS
EXHAUST GASES
LAUNCH VEHICLES
LAUNCHING
LAUNCHING SITES
ROCKET EXHAUST
ROCKET LAUNCHING

EXHAUST DIFFUSERS
1203 2801 2805 2808 3501
RT CONICAL NOZZLES
% DIFFUSERS
EJECTORS
% JET NOZZLES
SUPERSONIC DIFFUSERS
VANELESS DIFFUSERS

EXHAUST EMISSION
1203 3501
GS EMISSION
#EXHAUST EMISSION
RT GAS-GAS INTERACTIONS
GAS-METAL INTERACTIONS
HIGH TEMPERATURE GASES
INFRARED RADIATION
JET EXHAUST
PARTICLE EMISSION
POLLUTION TRANSPORT
RELEASING
THERMAL EMISSION

EXHAUST FLOW SIMULATION
1107 3501
GS SIMULATION
#EXHAUST FLOW SIMULATION
..ATMOSPHERIC ENTRY SIMULATION
RT FLOW DISTRIBUTION
MATHEMATICAL MODELS
WIND TUNNELS

EXHAUST GASES
1203 2801 2805 2808 3501
UF EXHAUST JETS
GS GASES
#EXHAUST GASES
..FLUE GASES
RT AIR POLLUTION
% BLASTS
COMBUSTION EFFICIENCY
COMBUSTION PRODUCTS
DILUENTS
EFFLUENTS
ENVIRONMENT EFFECTS
EROSIVE BURNING
EXHAUST CLOUDS
EXHAUSTING
FUMES
GAS MIXTURES
GAS RECOVERY
INFRARED SUPPRESSION
JET BLAST EFFECTS
JET EXHAUST
NOZZLE FLOW
ODORS
PARTICULATES
POLLUTION TRANSPORT
PROPULSION
REACTION PRODUCTS
ROCKET EXHAUST
SMOG
SMOKE
SMOKE ABATEMENT
VAPORS
WASTE DISPOSAL
WASTE ENERGY UTILIZATION
WASTES

EXHAUST JETS
USE EXHAUST GASES

EXHAUST NOZZLES
1201 1203 2801 2805 2808 3501
GS #EXHAUST NOZZLES
.CONVERGENT-DIVERGENT NOZZLES
.PLUG NOZZLES
.SPIKE NOZZLES
.TURBINE EXHAUST NOZZLES
RT AIR DUCTS
ANNULAR NOZZLES
BASE HEATING
CONICAL NOZZLES
DIVERGENT NOZZLES
EJECTORS
% FLOW
INFRARED SUPPRESSION
INLET NOZZLES
JET ENGINES
% JET NOZZLES
NOZZLE FLOW
NOZZLE INSERTS
% NOZZLES
OPENINGS
OUTLETS
ROCKET ENGINES
SKIRTS

EXHAUST SYSTEMS
0202 2801 2805 2808
RT AFTERBURNING

AIR CONDITIONING
AIR POLLUTION
BLOWERS
CHIMNEYS
CONDENSERS (LIQUEFIERS)
COOLING SYSTEMS
DUCTS
DUST COLLECTORS
EJECTORS
ELIMINATION
ENGINES
EXHAUSTING
FLUES
FUEL TANK PRESSURIZATION
INTAKE SYSTEMS
INTERNAL COMBUSTION ENGINES
MANIFOLDS
MUFFLERS
OPENINGS
OUTLETS
PIPE NOZZLES
PLENUM CHAMBERS
PORTS (OPENINGS)
ROCKET EXHAUST
% SYSTEMS
TEMPERATURE CONTROL
VENTILATION
VENTILATORS
VENTS
WASTE DISPOSAL

EXHAUST VELOCITY
0101 1202 1203
GS RATES (PER TIME)
#EXHAUST VELOCITY
VELOCITY
#EXHAUST VELOCITY
RT ACOUSTIC VELOCITY
CRITICAL VELOCITY
EXPULSION
FLOW VELOCITY

EXHAUSTING
1504 1805 3203 3301 3404 2801
RT BLOWING
BREATHING VIBRATION
CONSUMPTION
DECONTAMINATION
% DISCHARGE
DISPERSING
DISPOSAL
DISSIPATION
EJECTION
ELIMINATION
EVACUATING (VACUUM)
EXHAUST GASES
EXHAUST SYSTEMS
RELIEVING
REMOVAL
VENTILATION
VENTING

EXHAUSTION
0408 2808
RT CONSUMPTION
DEPLETION
FATIGUE (BIOLOGY)
HYPERKINESIA

EXISTENCE
0404 1902 3003
RT COSMOLOGY
% EVOLUTION
LIFE SPAN
VALIDITY

EXISTENCE THEOREMS
1902
GS ANALYSIS (MATHEMATICS)
.REAL VARIABLES
.#EXISTENCE THEOREMS
THEOREMS
#EXISTENCE THEOREMS
RT PROBLEM SOLVING
ROOTS OF EQUATIONS

EXITS (DOORS)
USE DOORS

EXOBIOLOGY
0401 0404 3009
UF ASTROBIOLOGY
SPACE BIOLOGY
RT AEROSPACE ENVIRONMENTS
APOLLO EXTENSION SYSTEM
BIOASTRONAUTICS
% BIOLOGY
CARBONACEOUS METEORITES
CHEMICAL EVOLUTION
ENVIRONMENT MODELS
EXTRATERRESTRIAL LIFE
LIFE SUPPORT SYSTEMS
LUNAR ENVIRONMENT
PANSPERMIA
PLANETARY ENVIRONMENTS
SPACECRAFT CONTAMINATION
SPACECRAFT ENVIRONMENTS
SPACECRAFT STERILIZATION
TERRAFORMING

EXOPHORIA
USE HETEROPHORIA

EXOS SATELLITES
3107 3110
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
.#EXOS SATELLITES
...EXOS-A SATELLITE
...EXOS-B SATELLITE
...EXOS-C SATELLITE
...EXOS-D SATELLITE
JAPANESE SPACECRAFT
#EXOS SATELLITES
..EXOS-A SATELLITE
..EXOS-B SATELLITE
..EXOS-C SATELLITE
..EXOS-D SATELLITE

EXOS SOUNDING ROCKET
3106 3108 3409
GS ROCKET VEHICLES
.MULTISTAGE ROCKET VEHICLES
.#EXOS SOUNDING ROCKET
.SOUNDING ROCKETS
.#EXOS SOUNDING ROCKET
RT HONEST JOHN ROCKET VEHICLE
NIKE-AJAX MISSILE
SOLID PROPELLANT ROCKET ENGINES
XM-33 ENGINE

EXOS-A SATELLITE
3107 3110
UF KYOKKO SATELLITE
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXOS SATELLITES
..#EXOS-A SATELLITE
JAPANESE SPACECRAFT
.EXOS SATELLITES
.#EXOS-A SATELLITE

EXOS-B SATELLITE
3107 3110
UF JIKIKEN SATELLITE
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXOS SATELLITES
..#EXOS-B SATELLITE
JAPANESE SPACECRAFT
.EXOS SATELLITES
.#EXOS-B SATELLITE

EXOS-C SATELLITE
3107 3110

```
  UF   OHZORA SATELLITE
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..EXOS SATELLITES
       ..#EXOS-C SATELLITE
       JAPANESE SPACECRAFT
       .EXOS SATELLITES
       .#EXOS-C SATELLITE

EXOS-D SATELLITE
  3107 3110
  UF   AKEBONO SATELLITE
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..EXOS SATELLITES
       ..#EXOS-D SATELLITE
       JAPANESE SPACECRAFT
       .EXOS SATELLITES
       .#EXOS-D SATELLITE

EXOSAT SATELLITE
  3107 3409 2903 3009
  UF   HELOS (SATELLITE)
       HIGH ECCENTRIC LUNAR OCCULTATION
       SATELLITE
  GS   ARTIFICIAL SATELLITES
       .ESA SATELLITES
       .#EXOSAT SATELLITE
       .SCIENTIFIC SATELLITES
       .#EXOSAT SATELLITE
       ESA SPACECRAFT
       .ESA SATELLITES
       .#EXOSAT SATELLITE
  RT   ECCENTRIC ORBITS
       EUROPEAN SPACE PROGRAMS
       LUNAR OCCULTATION
       X RAY ASTRONOMY
       X RAY SOURCES

EXOSKELETONS
  0402 0404
  RT   ANATOMY
       ARTHROPODS
       BODY COMPOSITION (BIOLOGY)
       BONES
       CONNECTIVE TISSUE
       MUSCULOSKELETAL SYSTEM

EXOSPHERE
  1302 1308 3009
  SN   (ALTITUDES ABOVE APPROXIMATELY 500
       KM)
  GS   EARTH ATMOSPHERE
       .UPPER ATMOSPHERE
       .#EXOSPHERE
  RT   EARTH IONOSPHERE
       EARTH MAGNETOSPHERE
       HETEROSPHERE
       PLANETARY MAGNETOTAILS
       RADIATION BELTS
       THERMOSPHERE

EXOTHERMIC REACTIONS
  0602 3303 3304 3501
  GS   CHEMICAL REACTIONS
       #EXOTHERMIC REACTIONS
  RT   ASSOCIATION REACTIONS
       COMBUSTION
       COMBUSTION CHEMISTRY
       COMBUSTION SYNTHESIS
       ENDOTHERMIC REACTIONS
       INCENDIARY AMMUNITION
       PYROLYSIS
       THERMAL DECOMPOSITION

EXPANDABLE STRUCTURES
  3202 3203
  GS  #EXPANDABLE STRUCTURES
       .BELLOWS
       .INFLATABLE STRUCTURES
       ..AIR BAG RESTRAINT DEVICES
       ..BALLOONS
       ...HIGH ALTITUDE BALLOONS
       ....JIMSPHERE BALLOONS
       ....SKYHOOK BALLOONS
       ....SUPERPRESSURE BALLOONS
       ...METEOROLOGICAL BALLOONS
       ....JIMSPHERE BALLOONS
       ....ROBIN BALLOONS
       ...MICROBALLOONS
       ...TETHERED BALLOONS
       ..BALLUTES
       ..GAS BAGS
       ..INFLATABLE GLIDERS
       ..INFLATABLE SPACECRAFT
       ...BEACON SATELLITES
       ....BEACON EXPLORER A
       ....EXPLORER 22 SATELLITE
       ..PARAVULCOONS
  RT   EXPULSION BLADDERS
       FOLDING STRUCTURES
       LARGE SPACE STRUCTURES
       ORBITAL ASSEMBLY
       SPACE ERECTABLE STRUCTURES
     % SPACECRAFT
     % STRUCTURES
       VARIABLE GEOMETRY STRUCTURES

EXPANSION
  3407
  UF   ENLARGING
  GS  #EXPANSION
       .GAS EXPANSION
       .KARHUNEN-LOEVE EXPANSION
       .PRANDTL-MEYER EXPANSION
       .SERIES EXPANSION
       .THERMAL EXPANSION
  RT   ADIABATIC CONDITIONS
       DISTORTION
       ELONGATION
       EXTENSIONS
       INFLATING
       RAREFACTION
       RELAXATION (MECHANICS)
       SWELLING
       THERMAL BUCKLING

EXPANSION WAVES
  USE  ELASTIC WAVES

EXPECTANCY HYPOTHESIS
  1902 1905
  GS   HYPOTHESES
       #EXPECTANCY HYPOTHESIS
  RT   MONTE CARLO METHOD
       PROBABILITY DENSITY FUNCTIONS
       STATISTICAL ANALYSIS
       STATISTICAL DISTRIBUTIONS

EXPECTATION
  1902 1905
  RT   CONTINGENCY
       DECISION THEORY
       FORECASTING
       RELIABILITY

EXPEDITIONS
  3004 3007 3406 3409
  RT   EXPLORATION
     % MISSIONS
       SPACE FLIGHT

EXPELLANTS
  0401 0405
  RT   COUGH
     % DISCHARGE
       EXPULSION
       FLUSHING

EXPENDABLE STAGES (SPACECRAFT)
  1102 2808 3102 3103 3104 3107 3110
  3409
  RT   BOOSTER RECOVERY
       BOOSTER ROCKET ENGINES
       ENGINES
```


D-6.

```
      MULTISTAGE ROCKET VEHICLES
      RECOVERABLE SPACECRAFT
      REUSABLE SPACECRAFT
      ROCKET ENGINES
      SPACE SHUTTLES
      STAGE SEPARATION

EXPERIENCE
  0408 0410 0502 3406
  RT  EDUCATION
      QUALIFICATIONS
      UPGRADING

EXPERIMENT DESIGN
  3404 3405
  SN  (LIMITED TO DESIGN OF
      EXPERIMENTS--EXCLUDES PROTOTYPES)
  UF  DESIGN OF EXPERIMENTS
  GS #EXPERIMENT DESIGN
      .FACTORIAL DESIGN
  RT  COVARIANCE
      DEGREES OF FREEDOM
    % DESIGN
      FACTOR ANALYSIS
      LABORATORIES
      MATHEMATICAL MODELS
      OPERATIONS RESEARCH
      ORTHOGONALITY
      QUALITY CONTROL
      REGRESSION ANALYSIS
      STATISTICAL ANALYSIS
      SYSTEMS ENGINEERING
      VARIANCE (STATISTICS)

EXPERIMENTAL AIRCRAFT
  USE  RESEARCH AIRCRAFT

EXPERIMENTAL BOILING WATER REACTORS
  2204 3303 3404
  UF  EBWR (REACTOR)
  GS  NUCLEAR REACTORS
      .LIQUID COOLED REACTORS
      ..WATER COOLED REACTORS
      ...BOILING WATER REACTORS
      ...#EXPERIMENTAL BOILING WATER
          REACTORS
      .NUCLEAR RESEARCH AND TEST REACTORS
      .#EXPERIMENTAL BOILING WATER
        REACTORS
      .WATER MODERATED REACTORS
      .#EXPERIMENTAL BOILING WATER
        REACTORS

EXPERIMENTAL BREEDER REACTOR 1
  2204 3303 3404
  UF  EBR-1 REACTOR
  GS  NUCLEAR REACTORS
      .BREEDER REACTORS
      .#EXPERIMENTAL BREEDER REACTOR 1
      .FAST NUCLEAR REACTORS
      .#EXPERIMENTAL BREEDER REACTOR 1
      .LIQUID COOLED REACTORS
      ..LIQUID METAL COOLED REACTORS
      ..#EXPERIMENTAL BREEDER REACTOR 1
      .NUCLEAR RESEARCH AND TEST REACTORS
      .#EXPERIMENTAL BREEDER REACTOR 1

EXPERIMENTAL BREEDER REACTOR 2
  2204 3303 3404
  UF  EBR-2 REACTOR
  GS  NUCLEAR REACTORS
      .BREEDER REACTORS
      .#EXPERIMENTAL BREEDER REACTOR 2
      .FAST NUCLEAR REACTORS
      .#EXPERIMENTAL BREEDER REACTOR 2
      .LIQUID COOLED REACTORS
      ..LIQUID METAL COOLED REACTORS
      ..#EXPERIMENTAL BREEDER REACTOR 2
      .NUCLEAR RESEARCH AND TEST REACTORS
      .#EXPERIMENTAL BREEDER REACTOR 2

EXPERIMENTAL GAS COOLED REACTORS
  2204 3303 3404
  UF  EGCR (REACTOR)
  GS  NUCLEAR REACTORS
      .GAS COOLED REACTORS
      .#EXPERIMENTAL GAS COOLED REACTORS
      .NUCLEAR RESEARCH AND TEST REACTORS
      .#EXPERIMENTAL GAS COOLED REACTORS

EXPERIMENTAL ORGANIC COOLED REACTORS
  2202 3303 3404
  UF  EOCR (REACTOR)
  GS  NUCLEAR REACTORS
      .LIQUID COOLED REACTORS
      ..ORGANIC COOLED REACTORS
      ..#EXPERIMENTAL ORGANIC COOLED
         REACTORS
      .NUCLEAR RESEARCH AND TEST REACTORS
      .#EXPERIMENTAL ORGANIC COOLED
        REACTORS
      .ORGANIC MODERATED REACTORS
      .#EXPERIMENTAL ORGANIC COOLED
        REACTORS

EXPERIMENTAL REFLECTOR ORBITAL SHOT PROJ
  3409
  UF  EROS PROJECT
  GS  PROGRAMS
      .PROJECTS
      .#EXPERIMENTAL REFLECTOR ORBITAL
        SHOT PROJ

EXPERIMENTAL STOL TRANSPORT RSCH AIRPLANE
  USE  QUESTOL AIRCRAFT

EXPERIMENTATION
  3406 3409
  GS #EXPERIMENTATION
      .PHYSICS AND CHEMISTRY EXPERIMENT
        IN SPACE
  RT  CRITICAL EXPERIMENTS
      EXPLORATION
      INVESTIGATION
      LABORATORIES
      PHENOMENOLOGY
      SPACEBORNE EXPERIMENTS

EXPERT SYSTEMS
  0410
  GS  INTELLIGENCE
      #EXPERT SYSTEMS
      KNOWLEDGE BASED SYSTEMS
      #EXPERT SYSTEMS
  RT  ARTIFICIAL INTELLIGENCE
      C (PROGRAMMING LANGUAGE)
      COMPUTER PROGRAMMING
      KNOWLEDGE BASES (ARTIFICIAL
      INTELLIGENCE)
      KNOWLEDGE REPRESENTATION
    % LOGIC
      LOGIC PROGRAMMING
      NATURAL LANGUAGE PROCESSING
      PROLOG (PROGRAMMING LANGUAGE)

EXPIRATION
  0404
  RT % BREATHING
      DEATH
      EXPIRED AIR
      EXPULSION
      MORTALITY
      RESPIRATION

EXPIRED AIR
  0504 0505 0506 0507
  GS  GASES
      .GAS MIXTURES
      ..AIR
      ..#EXPIRED AIR
      MIXTURES
      .SOLUTIONS
      ..GAS MIXTURES
      ...AIR
      ...#EXPIRED AIR
```

RT ALVEOLAR AIR
EXHALATION
EXPIRATION
GAS COMPOSITION
METABOLIC WASTES
REBREATHING
RESPIRATION

EXPLODING CONDUCTOR CIRCUITS
USE CIRCUITS
EXPLODING WIRES

EXPLODING CONDUCTORS
USE EXPLODING WIRES

EXPLODING WIRES
0902 2302 3302
UF EXPLODING CONDUCTOR CIRCUITS
EXPLODING CONDUCTORS
GS EXPLOSIVE DEVICES
.INITIATORS (EXPLOSIVES)
.#EXPLODING WIRES
IGNITERS
.INITIATORS (EXPLOSIVES)
.#EXPLODING WIRES
WIRE
#EXPLODING WIRES
RT BOOSTERS (EXPLOSIVES)
CAPS (EXPLOSIVES)
CONDUCTORS
DETONATORS
ELECTRIC WIRE
PLASMA GENERATORS
PRIMERS (EXPLOSIVES)
RADIATION TRANSPORT
SHOCK WAVES
WIRE BRIDGE CIRCUITS

EXPLOITATION
1306 1504 1806 3404 3407
RT BENEFICIATION
DEPLETION
% DEVELOPMENT
EXPLORATION
GEOLOGY
LAND USE
MINES (EXCAVATIONS)
MINING
RESERVES
STRIP MINING

EXPLORATION
1308 3009 3407
UF DISCOVERING
PROSPECTING
GS #EXPLORATION
.LUNAR EXPLORATION
.MINERAL EXPLORATION
.OIL EXPLORATION
.SPACE EXPLORATION
RT BOREHOLES
DETECTION
DRILLING
EXAMINATION
EXCAVATION
EXPEDITIONS
EXPERIMENTATION
EXPLOITATION
GEOLOGICAL SURVEYS
GEOLOGY
GEOTHERMAL TECHNOLOGY
INVESTIGATION
MINES (EXCAVATIONS)
OSS-1 PAYLOAD
RESEARCH
RESERVES
SAMPLING
SPACE FLIGHT
SURVEYS
UNDERGROUND ACOUSTICS

EXPLORER SATELLITES
3107 3409
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
.#EXPLORER SATELLITES
...APPLICATIONS EXPLORER SATELLITES
...COSMIC BACKGROUND EXPLORER SATELLITE
...DUAL AIR DENSITY EXPLORER
...DYNAMICS EXPLORER SATELLITES
....DYNAMICS EXPLORER 1 SATELLITE
....DYNAMICS EXPLORER 2 SATELLITE
...EXPLORER 1 SATELLITE
...EXPLORER 2 SATELLITE
...EXPLORER 3 SATELLITE
...EXPLORER 4 SATELLITE
...EXPLORER 5 SATELLITE
...EXPLORER 6 SATELLITE
...EXPLORER 7 SATELLITE
...EXPLORER 8 SATELLITE
...EXPLORER 9 SATELLITE
...EXPLORER 10 SATELLITE
...EXPLORER 11 SATELLITE
...EXPLORER 12 SATELLITE
...EXPLORER 14 SATELLITE
...EXPLORER 15 SATELLITE
...EXPLORER 16 SATELLITE
...EXPLORER 17 SATELLITE
...EXPLORER 18 SATELLITE
...EXPLORER 19 SATELLITE
...EXPLORER 20 SATELLITE
...EXPLORER 21 SATELLITE
...EXPLORER 22 SATELLITE
...EXPLORER 23 SATELLITE
...EXPLORER 24 SATELLITE
...EXPLORER 25 SATELLITE
...EXPLORER 26 SATELLITE
...EXPLORER 27 SATELLITE
...EXPLORER 28 SATELLITE
...EXPLORER 29 SATELLITE
...EXPLORER 30 SATELLITE
...EXPLORER 31 SATELLITE
...EXPLORER 32 SATELLITE
...EXPLORER 33 SATELLITE
...EXPLORER 34 SATELLITE
...EXPLORER 35 SATELLITE
...EXPLORER 36 SATELLITE
...EXPLORER 37 SATELLITE
...EXPLORER 38 SATELLITE
...EXPLORER 39 SATELLITE
...EXPLORER 40 SATELLITE
...EXPLORER 41 SATELLITE
...EXPLORER 43 SATELLITE
...EXPLORER 44 SATELLITE
...EXPLORER 45 SATELLITE
...EXPLORER 46 SATELLITE
...EXPLORER 47 SATELLITE
...EXPLORER 48 SATELLITE
...EXPLORER 49 SATELLITE
...EXPLORER 50 SATELLITE
...EXPLORER 51 SATELLITE
...EXPLORER 52 SATELLITE
...EXPLORER 53 SATELLITE
...EXPLORER 54 SATELLITE
...EXPLORER 55 SATELLITE
...EXTREME ULTRAVIOLET EXPLORER SATELLITE
...FAR UV SPECTROSCOPIC EXPLORER
...IMP
...INTERNATIONAL MAGNETOSPHERIC EXPLORER
...INTERNATIONAL SUN EARTH EXPLORERS
....INTERNATIONAL SUN EARTH EXPLORER 1
....INTERNATIONAL SUN EARTH EXPLORER 2
....INTERNATIONAL SUN EARTH EXPLORER 3
...MICROMETEOROID EXPLORER SATELLITES
...RADIO ASTRONOMY EXPLORER SATELLITE
...SOLAR MESOSPHERE EXPLORER

...UHURU SATELLITE
...X RAY TIMING EXPLORER
RT IUE
JUNO 1 LAUNCH VEHICLE
JUPITER C ROCKET VEHICLE
METEOROID DUST CLOUDS
MICROMETEOROIDS
OUTER PLANETS EXPLORERS
SCOUT PROJECT
THOR DELTA LAUNCH VEHICLE
ZODIACAL DUST

EXPLORER 1 SATELLITE
3107 3409
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 1 SATELLITE

EXPLORER 2 SATELLITE
3107 3409
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 2 SATELLITE

EXPLORER 3 SATELLITE
3107 3409
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 3 SATELLITE

EXPLORER 4 SATELLITE
3107 3409
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 4 SATELLITE

EXPLORER 5 SATELLITE
3107 3409
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 5 SATELLITE

EXPLORER 6 SATELLITE
3107 3409
GS ARTIFICIAL SATELLITES
.GEOPHYSICAL SATELLITES
.#EXPLORER 6 SATELLITE
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 6 SATELLITE
RT THOR ABLE ROCKET VEHICLE

EXPLORER 7 SATELLITE
3107 3409
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 7 SATELLITE

EXPLORER 8 SATELLITE
3107 3108 3409
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 8 SATELLITE

EXPLORER 9 SATELLITE
3107 3409
GS ARTIFICIAL SATELLITES
.METEOROLOGICAL SATELLITES
.#EXPLORER 9 SATELLITE
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 9 SATELLITE
RT SCOUT LAUNCH VEHICLE

EXPLORER 10 SATELLITE
3107 3409
GS ARTIFICIAL SATELLITES
.GEOPHYSICAL SATELLITES
.#EXPLORER 10 SATELLITE
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 10 SATELLITE
RT DELTA LAUNCH VEHICLE

EXPLORER 11 SATELLITE
3107 3409 3009
UF GAMMA RAY ASTRONOMY EXPLORER
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 11 SATELLITE
RT JUNO 2 LAUNCH VEHICLE

EXPLORER 12 SATELLITE
3107 3409
UF ENERGETIC PARTICLE EXPLORER A
EPE-A
S-3 SATELLITE
GS ARTIFICIAL SATELLITES
.GEOPHYSICAL SATELLITES
.#EXPLORER 12 SATELLITE
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 12 SATELLITE
RT DELTA LAUNCH VEHICLE

EXPLORER 14 SATELLITE
3107 3409
UF ENERGETIC PARTICLE EXPLORER B
EPE-B
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 14 SATELLITE
RT DELTA LAUNCH VEHICLE

EXPLORER 15 SATELLITE
3107 3409
UF ENERGETIC PARTICLE EXPLORER C
EPE-C
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 15 SATELLITE
RT DELTA LAUNCH VEHICLE

EXPLORER 16 SATELLITE
3107 3409
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 16 SATELLITE
RT SCOUT LAUNCH VEHICLE

EXPLORER 17 SATELLITE
3107 3409
UF AE-A SATELLITE
ATMOSPHERE EXPLORER A
S-6 SATELLITE
GS ARTIFICIAL SATELLITES
.METEOROLOGICAL SATELLITES
.#EXPLORER 17 SATELLITE
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 17 SATELLITE
RT DELTA LAUNCH VEHICLE

EXPLORER 18 SATELLITE
3107 3409 3009
UF IMP-A
IMP-1
INTERPLANETARY EXPLORER
S-74 SATELLITE
GS ARTIFICIAL SATELLITES
.LUNAR SATELLITES
.#EXPLORER 18 SATELLITE
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES

..#EXPLORER 18 SATELLITE
INTERPLANETARY SPACECRAFT
#EXPLORER 18 SATELLITE
LUNAR SPACECRAFT
.LUNAR SATELLITES
.#EXPLORER 18 SATELLITE
UNMANNED SPACECRAFT
.SPACE PROBES
.#EXPLORER 18 SATELLITE
RT DELTA LAUNCH VEHICLE

EXPLORER 19 SATELLITE
3107 3409
UF AD-A SATELLITE
AIR DENSITY EXPLORER A
GS ARTIFICIAL SATELLITES
.METEOROLOGICAL SATELLITES
.#EXPLORER 19 SATELLITE
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 19 SATELLITE
RT SCOUT LAUNCH VEHICLE

EXPLORER 20 SATELLITE
3107 3409
UF IONOSPHERE EXPLORER A
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 20 SATELLITE
RT SCOUT LAUNCH VEHICLE

EXPLORER 21 SATELLITE
3107 3409
UF IMP-B
IMP-2
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 21 SATELLITE
RT DELTA LAUNCH VEHICLE

EXPLORER 22 SATELLITE
3107 3409
UF BE B
BEACON EXPLORER B
GS ARTIFICIAL SATELLITES
.NAVIGATION SATELLITES
.#EXPLORER 22 SATELLITE
.PASSIVE SATELLITES
..BEACON SATELLITES
..#EXPLORER 22 SATELLITE
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 22 SATELLITE
EXPANDABLE STRUCTURES
.INFLATABLE STRUCTURES
..INFLATABLE SPACECRAFT
...BEACON SATELLITES
...#EXPLORER 22 SATELLITE
SPACE ERECTABLE STRUCTURES
.INFLATABLE SPACECRAFT
..BEACON SATELLITES
..#EXPLORER 22 SATELLITE
RT SCOUT LAUNCH VEHICLE

EXPLORER 23 SATELLITE
3107 3409
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 23 SATELLITE
RT SCOUT LAUNCH VEHICLE

EXPLORER 24 SATELLITE
3107 3409
UF AD/I SATELLITE
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 24 SATELLITE
RT SCOUT LAUNCH VEHICLE

EXPLORER 25 SATELLITE
3107 3409
UF AD/I B
AIR DENSITY/INJUN EXPLORER B
INJUN EXPLORER
GS ARTIFICIAL SATELLITES
.INJUN SATELLITES
.#EXPLORER 25 SATELLITE
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 25 SATELLITE
RT SCOUT LAUNCH VEHICLE

EXPLORER 26 SATELLITE
3107 3409
UF ENERGETIC PARTICLE EXPLORER D
EPE-D
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 26 SATELLITE
RT DELTA LAUNCH VEHICLE

EXPLORER 27 SATELLITE
3107 3409
UF BE C
BEACON EXPLORER C
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 27 SATELLITE
RT SCOUT LAUNCH VEHICLE

EXPLORER 28 SATELLITE
3107 3409
UF IMP-C
IMP-3
GS ARTIFICIAL SATELLITES
.LUNAR SATELLITES
.#EXPLORER 28 SATELLITE
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 28 SATELLITE
LUNAR SPACECRAFT
.LUNAR SATELLITES
.#EXPLORER 28 SATELLITE
RT DELTA LAUNCH VEHICLE

EXPLORER 29 SATELLITE
3107 3409
GS ARTIFICIAL SATELLITES
.GEODETIC SATELLITES
.#EXPLORER 29 SATELLITE
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 29 SATELLITE
RT ACTIVE SATELLITES
ANNA SATELLITES
CELESTIAL GEODESY
DELTA LAUNCH VEHICLE
GEOS 1 SATELLITE
LARGOS SATELLITE
PAGEOS SATELLITE

EXPLORER 30 SATELLITE
3107 3409
UF SE-A
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 30 SATELLITE
RT SCOUT LAUNCH VEHICLE

EXPLORER 31 SATELLITE
3107 3409
UF DME-A SATELLITE
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXPLORER 31 SATELLITE
RT THOR AGENA LAUNCH VEHICLE

```
EXPLORER 32 SATELLITE
  3107 3409
  UF   AE-B SATELLITE
       ATMOSPHERE EXPLORER B
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..EXPLORER SATELLITES
       ..#EXPLORER 32 SATELLITE
  RT   DELTA LAUNCH VEHICLE

EXPLORER 33 SATELLITE
  3107 3409
  UF   AIMP-D
       AIMP-1
       IMP-D
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..EXPLORER SATELLITES
       ..#EXPLORER 33 SATELLITE
  RT   DELTA LAUNCH VEHICLE

EXPLORER 34 SATELLITE
  3107 3409
  UF   IMP-F
       IMP-4
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..EXPLORER SATELLITES
       ..#EXPLORER 34 SATELLITE
  RT   THOR AGENA LAUNCH VEHICLE

EXPLORER 35 SATELLITE
  3107 3409
  UF   AIMP-E
       AIMP-2
       IMP-E
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..EXPLORER SATELLITES
       ..#EXPLORER 35 SATELLITE
  RT   THOR AGENA LAUNCH VEHICLE

EXPLORER 36 SATELLITE
  3107 3409
  GS   ARTIFICIAL SATELLITES
       .GEODETIC SATELLITES
       .#EXPLORER 36 SATELLITE
       .SCIENTIFIC SATELLITES
       ..EXPLORER SATELLITES
       ..#EXPLORER 36 SATELLITE
  RT   ACTIVE SATELLITES
       ANNA SATELLITES
       CELESTIAL GEODESY
       GEOS 2 SATELLITE
       LARGOS SATELLITE
       PAGEOS SATELLITE
       THOR AGENA LAUNCH VEHICLE

EXPLORER 37 SATELLITE
  3107 3409
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..EXPLORER SATELLITES
       ..#EXPLORER 37 SATELLITE
  RT   SCOUT LAUNCH VEHICLE

EXPLORER 38 SATELLITE
  3107 3409
  UF   RAE-1
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..EXPLORER SATELLITES
       ..#EXPLORER 38 SATELLITE
  RT   DELTA LAUNCH VEHICLE

EXPLORER 39 SATELLITE
  3107 3409
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..EXPLORER SATELLITES
       ..#EXPLORER 39 SATELLITE
  RT   SCOUT LAUNCH VEHICLE

EXPLORER 40 SATELLITE
  3107 3409
  UF   INJUN 5 SATELLITE
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..EXPLORER SATELLITES
       ..#EXPLORER 40 SATELLITE
  RT   SCOUT LAUNCH VEHICLE

EXPLORER 41 SATELLITE
  3107 3409
  UF   IMP-G
       IMP-5
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..EXPLORER SATELLITES
       ..#EXPLORER 41 SATELLITE

EXPLORER 42 SATELLITE
  USE  UHURU SATELLITE

EXPLORER 43 SATELLITE
  3107 3409
  UF   IMP-I
       IMP-6
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..EXPLORER SATELLITES
       ..#EXPLORER 43 SATELLITE
  RT   DELTA LAUNCH VEHICLE

EXPLORER 44 SATELLITE
  3107
  UF   SOLRAD 10 SATELLITE
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..EXPLORER SATELLITES
       ..#EXPLORER 44 SATELLITE

EXPLORER 45 SATELLITE
  3107
  GS   ARTIFICIAL SATELLITES
       .GEOPHYSICAL SATELLITES
       .#EXPLORER 45 SATELLITE
       .SCIENTIFIC SATELLITES
       ..EXPLORER SATELLITES
       ..#EXPLORER 45 SATELLITE

EXPLORER 46 SATELLITE
  3107
  UF   METEOROID TECHNOLOGY SATELLITE
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..EXPLORER SATELLITES
       ..#EXPLORER 46 SATELLITE

EXPLORER 47 SATELLITE
  3107 3409
  UF   IMP-H
       IMP-7
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..EXPLORER SATELLITES
       ..#EXPLORER 47 SATELLITE

EXPLORER 48 SATELLITE
  3107 3509 3009
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..EXPLORER SATELLITES
       ..#EXPLORER 48 SATELLITE
  RT   SAS
       SAS-2

EXPLORER 49 SATELLITE
  3107 3409 3009
  UF   RADIO ASTRONOMY EXPLORER B
       RADIO ASTRONOMY EXPLORER 2
       RAE B
       RAE 1
       RAE 2
  GS   ARTIFICIAL SATELLITES
```

```
        .SCIENTIFIC SATELLITES
        ..EXPLORER SATELLITES
        ..#EXPLORER 49 SATELLITE
  RT    DELTA LAUNCH VEHICLE

EXPLORER 50 SATELLITE
  3107 3409
  UF    IMP-J
        IMP-8
  GS    ARTIFICIAL SATELLITES
        .SCIENTIFIC SATELLITES
        ..EXPLORER SATELLITES
        ..#EXPLORER 50 SATELLITE

EXPLORER 51 SATELLITE
  3107 3409
  UF    AE-C SATELLITE
        ATMOSPHERE EXPLORER C
  GS    ARTIFICIAL SATELLITES
        .SCIENTIFIC SATELLITES
        ..EXPLORER SATELLITES
        ..#EXPLORER 51 SATELLITE

EXPLORER 52 SATELLITE
  3107
  UF    HAWKEYE 1 SATELLITE
  GS    ARTIFICIAL SATELLITES
        .SCIENTIFIC SATELLITES
        ..EXPLORER SATELLITES
        ..#EXPLORER 52 SATELLITE

EXPLORER 53 SATELLITE
  3107 3509 3009
  GS    ARTIFICIAL SATELLITES
        .SCIENTIFIC SATELLITES
        ..EXPLORER SATELLITES
        ..#EXPLORER 53 SATELLITE
        OBSERVATORIES
        .ASTRONOMICAL OBSERVATORIES
        ..ASTRONOMICAL SATELLITES
        ...SAS
        ...#EXPLORER 53 SATELLITE
  RT    SAS-3

EXPLORER 54 SATELLITE
  3107 3409
  UF    AE-D SATELLITE
        ATMOSPHERE EXPLORER D
  GS    ARTIFICIAL SATELLITES
        .SCIENTIFIC SATELLITES
        ..EXPLORER SATELLITES
        ..#EXPLORER 54 SATELLITE

EXPLORER 55 SATELLITE
  3107 3409
  UF    AE-E SATELLITE
        ATMOSPHERE EXPLORER E
  GS    ARTIFICIAL SATELLITES
        .SCIENTIFIC SATELLITES
        ..EXPLORER SATELLITES
        ..#EXPLORER 55 SATELLITE
  RT    DELTA LAUNCH VEHICLE

EXPLOSION SUPPRESSION
  3406
  RT    FIRE PREVENTION
        FOAMS
        RETARDANTS

EXPLOSIONS
  1308 3301 3302 3401
  GS   #EXPLOSIONS
        .AERIAL EXPLOSIONS
        .CHEMICAL EXPLOSIONS
        ..GAS EXPLOSIONS
        .NUCLEAR EXPLOSIONS
        ..THERMONUCLEAR EXPLOSIONS
        .UNDERGROUND EXPLOSIONS
        .UNDERWATER EXPLOSIONS
  RT    ACCIDENTS
        BACKFIRE
        BLAST LOADS
      % BLASTS
        BURSTS
        COMBUSTION
        DETONATION
      % DISCHARGE
        EXPLOSIVE DECOMPRESSION
        EXPLOSIVES
        FIRES
        FLAME PROPAGATION
      % FLASH
        FLASHBACK
        HAZARDS
        HYDROCARBON COMBUSTION
        IMPLOSIONS
        REACTOR SAFETY
        RIEMANN WAVES
        SAFETY
        SHOCK WAVES
        SOUND PRESSURE
        SPONTANEOUS COMBUSTION
        WARNING SYSTEMS

EXPLOSIVE DECOMPRESSION
  0408 1202 1203
  GS    PRESSURE REDUCTION
        #EXPLOSIVE DECOMPRESSION
  RT    EXPLOSIONS
        IMPLOSIONS
        PRESSURE RECOVERY
        PRESSURIZED CABINS

EXPLOSIVE DEVICES
  2205 3302 3401
  UF    CARTRIDGE ACTUATED DEVICES
  GS   #EXPLOSIVE DEVICES
        .BOMBS (ORDNANCE)
        .INITIATORS (EXPLOSIVES)
        ..BOOSTERS (EXPLOSIVES)
        ..CAPS (EXPLOSIVES)
        ..DETONATORS
        ..EXPLODING WIRES
        ..PRIMERS (EXPLOSIVES)
        .NUCLEAR DEVICES
        .SHAPED CHARGES
        .TORPEDOES
  RT    ACTUATORS
        AMMUNITION
      % CHARGING
      % DEVICES
        IGNITERS
      % PROPELLANT ACTUATED DEVICES
        WARHEADS

EXPLOSIVE FORMING
  1507 1704
  GS    FORMING TECHNIQUES
        .COLD WORKING
        .#EXPLOSIVE FORMING
        METAL WORKING
        #EXPLOSIVE FORMING
  RT    BULGING
        DEEP DRAWING
        ELECTROHYDRAULIC FORMING
        EXTRUDING
        SHAPED CHARGES

EXPLOSIVE GASES
  USE   FLAMMABLE GASES

EXPLOSIVE WELDING
  1507
  GS    BONDING
        #EXPLOSIVE WELDING
        WELDING
        .PRESSURE WELDING
        .#EXPLOSIVE WELDING
  RT    CLADDING
        METAL BONDING
        METAL JOINTS
        METAL WORKING
        METAL-METAL BONDING

EXPLOSIVES
```

3302
GS #EXPLOSIVES
.BSX
.CELLULOSE NITRATE
.DYNAMITE
.HMX
.HYDRAZINE NITROFORM
.HYDROGEN AZIDES
.NITRASOL EXPLOSIVES
.OCTOL (EXPLOSIVE)
.PENTOLITE
.RDX
.STYPHNATES
.TATB
.TETRYL
.TRINITROTOLUENE
RT AMMONIUM PICRATES
AMMUNITION
AZIDES (ORGANIC)
BOMBS (ORDNANCE)
BURNING RATE
CASE BONDED PROPELLANTS
% CHARGING
CHEMICAL EXPLOSIONS
CHEMICAL FUELS
COMPOSITE PROPELLANTS
DETONATORS
DOUBLE BASE PROPELLANTS
DOUBLE BASE ROCKET PROPELLANTS
EXPLOSIONS
FIRES
FLAMMABLE GASES
FULMINATES
GUN PROPELLANTS
GUNS (ORDNANCE)
NITROGLYCERIN
NITROGUANIDINE
NITROMETHANE
NUCLEAR WEAPONS
ORDNANCE
PETN
PLASTIC PROPELLANTS
POTASSIUM PERCHLORATES
POWDER (PARTICLES)
PROPELLANTS
PYROPHORIC MATERIALS
PYROTECHNICS
SHAPED CHARGES
SODIUM AZIDES
TAGN
TORPEDOES
WARHEADS

EXPONENTIAL FUNCTIONS
1902
GS ANALYSIS (MATHEMATICS)
.COMPLEX VARIABLES
.#EXPONENTIAL FUNCTIONS
...LOGARITHMS
FUNCTIONS (MATHEMATICS)
.TRANSCENDENTAL FUNCTIONS
.#EXPONENTIAL FUNCTIONS
...LOGARITHMS
RT FOURIER ANALYSIS
HYPERBOLIC FUNCTIONS
ORTHOGONAL FUNCTIONS
POISSON DENSITY FUNCTIONS
PROBABILITY DENSITY FUNCTIONS
STATISTICAL ANALYSIS
WEIBULL DENSITY FUNCTIONS

EXPONENTS
1902
GS NUMBER THEORY
#EXPONENTS
RT ARITHMETIC
FRACTALS
LOGARITHMS

EXPORTS
USE INTERNATIONAL TRADE

EXPOS (SPACELAB PAYLOAD)
3110 3009
UF X RAY SPECTROPOLARIMETRY PAYLOAD
GS PAYLOADS
#EXPOS (SPACELAB PAYLOAD)
RT EUROPEAN SPACE AGENCY
SPACELAB

EXPOSURE
0404 0508 1407
RT ATMOSPHERIC EFFECTS
BEARING (DIRECTION)
COLD TOLERANCE
DOSIMETERS
IRRADIATION
PHOTOGRAPHY
POSITION (LOCATION)
POSITIONING
RADIATION DOSAGE
TIME
TRINITROTOLUENE
WEATHERING

EXPRESSIONS (MATHEMATICS)
USE FORMULAS (MATHEMATICS)

EXPULSION
2501 2802 2803 2804 2809 3102 3407
RT ACCELERATION (PHYSICS)
CIRCUIT PROTECTION
DISPOSAL
DUMPING
EJECTION
EMPTYING
EXCRETION
EXHAUST VELOCITY
EXPELLANTS
EXPIRATION
FLUID FLOW
GRAVITY GRADIENT SATELLITES
JETTISONING
PARTICLE EMISSION
PRESSURIZING
REMOVAL
UNLOADING

EXPULSION BLADDERS
2701 2702
GS DIAPHRAGMS (MECHANICS)
#EXPULSION BLADDERS
RT BELLOWS
EJECTION
EMPTYING
EXPANDABLE STRUCTURES
FUEL TANK PRESSURIZATION
FUEL TANKS
PRESSURIZING
PROPELLANT STORAGE
PROPELLANT TANKS
STORAGE TANKS

EXTARS
USE X RAY STARS

EXTENDED DURATION SPACE FLIGHT
USE LONG DURATION SPACE FLIGHT

EXTENSIONS
1504 3406
GS #EXTENSIONS
.PROLONGATION
RT ACCESSORIES
ADAPTERS
CONTRACTS
DECONTAMINATION
EXPANSION
FILLING
FITTINGS
INSURANCE (CONTRACTS)
REVISIONS
SUPPLEMENTS

EXTENSOMETERS

1406 3203 3501
UF DILATOMETERS
GS MEASURING INSTRUMENTS
#EXTENSOMETERS
RT DEFORMETERS
DILATOMETRY
ELASTOMETERS
MECHANICAL MEASUREMENT
STRAIN GAGES
STRESS MEASUREMENT
TENSOMETERS
THERMAL EXPANSION
TRANSDUCERS

EXTERNAL COMBUSTION ENGINES
1504 3301 3404
GS ENGINES
#EXTERNAL COMBUSTION ENGINES
..STIRLING ENGINES
RT AUTOMOBILE ENGINES
BOILERS
GAS TURBINE ENGINES
INTERNAL COMBUSTION ENGINES
PISTON ENGINES

EXTERNAL STORE SEPARATION
0202
UF STORE RELEASE
RT NACELLES
PODS (EXTERNAL STORES)
PROTUBERANCES
% SEPARATION
% STORAGE
WING TANKS
WING-FUSELAGE STORES

EXTERNAL STORES
0801 0802
GS #EXTERNAL STORES
.PODS (EXTERNAL STORES)
RT NACELLES
PROTUBERANCES
% STORAGE
WING TANKS
WING-FUSELAGE STORES

EXTERNAL SURFACE CURRENTS
1203 3501
GS ELECTRIC CURRENT
#EXTERNAL SURFACE CURRENTS
RT % CURRENTS
ELECTRIC FIELDS
ELECTROMAGNETIC FIELDS
ELECTROMAGNETIC MISSILES
ELECTROMAGNETIC PULSES
LEVITATION MELTING
PHOTOELECTRIC EMISSION
SPACECRAFT CHARGING
% SURFACES
SYSTEM GENERATED ELECTROMAGNETIC PULSES

EXTERNAL TANKS
0102 0202 1502
GS TANKS (CONTAINERS)
#EXTERNAL TANKS
RT FUEL TANKS
NACELLES
PROPELLANT TANKS
SPACE SHUTTLE ASCENT STAGE
STORAGE TANKS
WING TANKS

EXTERNALLY BLOWN FLAPS
0101 0104 0201 0209
UF BLOWN FLAPS
EBF
GS AIRFOILS
.FLAPS (CONTROL SURFACES)
.#EXTERNALLY BLOWN FLAPS
...UPPER SURFACE BLOWN FLAPS
CONTROL SURFACES
.FLAPS (CONTROL SURFACES)
.#EXTERNALLY BLOWN FLAPS
...UPPER SURFACE BLOWN FLAPS
RT JET FLAPS
LIFT
LIFT DEVICES
POWERED LIFT AIRCRAFT
SHORT TAKEOFF AIRCRAFT
SPANWISE BLOWING
WING FLAPS
WING NACELLE CONFIGURATIONS

EXTINCTION
2306 2310 2402 2403 3009
GS #EXTINCTION
.INTERSTELLAR EXTINCTION
RT CENOZOIC ERA
CRETACEOUS-TERTIARY BOUNDARY
EVOLUTION (DEVELOPMENT)
EXTINGUISHING
FADING
FLUORESCENCE
LASER INDUCED FLUORESCENCE
NEMESIS (STAR)

EXTINGUISHERS
USE FIRE EXTINGUISHERS

EXTINGUISHING
0603 3301
UF FLAME QUENCHING
GS #EXTINGUISHING
.FLAMEOUT
RT BURNOUT
COMBUSTION
EXTINCTION
OCCULTATION
% QUENCHING
QUENCHING (COOLING)

EXTRACTION
0403 0602 0603 1704 2310
GS #EXTRACTION
.GEOTHERMAL ENERGY EXTRACTION
.ION EXTRACTION
.SOLVENT EXTRACTION
RT BEDS (PROCESS ENGINEERING)
BENEFICIATION
CENTRIFUGES
CENTRIFUGING
COLUMNS (PROCESS ENGINEERING)
CONCENTRATING
DIALYSIS
DIFFUSION
DISSOLVING
ELUTION
FILTRATION
FURNACES
HYDROLYSIS
LEACHING
MATERIAL ABSORPTION
MATERIALS RECOVERY
MELTING
OSMOSIS
PERCOLATION
RECYCLING
REFINING
REMOVAL
% SEPARATION
SOLVENTS
SORPTION
WASHERS (CLEANERS)

EXTRAGALACTIC LIGHT
USE EXTRATERRESTRIAL RADIATION

EXTRAGALACTIC MEDIA
USE INTERGALACTIC MEDIA

EXTRAGALACTIC RADIO SOURCES
0705 3009
GS CELESTIAL BODIES
.RADIO SOURCES (ASTRONOMY)

```
      .#EXTRAGALACTIC RADIO SOURCES
      ...RADIO GALAXIES
      ...RADIO JETS (ASTRONOMY)
  RT  BL LACERTAE OBJECTS
      BLAZARS
      EXTRATERRESTRIAL RADIATION
      EXTRATERRESTRIAL RADIO WAVES
      QUASARS
      RADIATION SOURCES
      RADIO ASTRONOMY
      RADIO EMISSION
    % SOURCES

EXTRAPOLATION
  1902 1905
  RT  FINITE DIFFERENCE THEORY
      FORECASTING
      INTERPOLATION
      PERIODIC VARIATIONS
      QUALITY CONTROL
      STATISTICAL ANALYSIS
    % TESTS
      TIME SERIES ANALYSIS
      TRENDS

EXTRASENSORY PERCEPTION
  0408 0410
  UF  PARAPSYCHOLOGY
  GS  PERCEPTION
      .SENSORY PERCEPTION
      .#EXTRASENSORY PERCEPTION

EXTRASOLAR PLANETS
  3008
  GS  CELESTIAL BODIES
      .PLANETS
      .#EXTRASOLAR PLANETS
  RT  GAS GIANT PLANETS
      PLANETARY SYSTEMS

EXTRATERRESTRIAL COMMUNICATION
  0707
  GS  TELECOMMUNICATION
      .SPACE COMMUNICATION
      .#EXTRATERRESTRIAL COMMUNICATION
  RT  INFORMATION DISSEMINATION
      INTERPLANETARY COMMUNICATION
      RADIO TELEMETRY

EXTRATERRESTRIAL ENVIRONMENTS
  0401 0404 3009
  GS  ENVIRONMENTS
      #EXTRATERRESTRIAL ENVIRONMENTS
      ..CISLUNAR SPACE
      ..DEEP SPACE
      ...INTERPLANETARY SPACE
      ...INTERSTELLAR SPACE
      ..EARTH ORBITAL ENVIRONMENTS
      ..LUNAR ENVIRONMENT
      ...LUNAR ATMOSPHERE
      ..PLANETARY ENVIRONMENTS
      ...MARS ENVIRONMENT
      ....MARS ATMOSPHERE
      ...PLANETARY ATMOSPHERES
      ....HELIUM HYDROGEN ATMOSPHERES
      ....JUPITER ATMOSPHERE
      ....MARS ATMOSPHERE
      ....MERCURY ATMOSPHERE
      ....NEPTUNE ATMOSPHERE
      ....PLANETARY IONOSPHERES
      ....PLUTO ATMOSPHERE
      ....SATURN ATMOSPHERE
      ....URANUS ATMOSPHERE
      ....VENUS ATMOSPHERE
      .....VENUS CLOUDS
      ...PLANETARY MAGNETOSPHERES
      ....PLANETARY MAGNETOTAILS
      ..SATELLITE ATMOSPHERES
      ...LUNAR ATMOSPHERE
      ..STELLAR ATMOSPHERES
      ...CHROMOSPHERE
      ...SOLAR ATMOSPHERE
      ....SOLAR TRANSITION REGION
  RT  AEROSPACE ENVIRONMENTS
      HIGH GRAVITY ENVIRONMENTS
      LONG DURATION SPACE FLIGHT
      MERCURY SURFACE
      SPACE EXPLORATION
      SPACECRAFT ENVIRONMENTS
      VENUS SURFACE

EXTRATERRESTRIAL INTELLIGENCE
  3009
  GS  INTELLIGENCE
      #EXTRATERRESTRIAL INTELLIGENCE
  RT  INTERSTELLAR COMMUNICATION
      INTERSTELLAR TRAVEL
      PROJECT SETI
      SPACE COMMUNICATION
      UNIDENTIFIED FLYING OBJECTS

EXTRATERRESTRIAL LIFE
  0401 3009
  GS  LIFE SCIENCES
      #EXTRATERRESTRIAL LIFE
  RT  AEROSPACE ENVIRONMENTS
      BIOSATELLITES
      EXOBIOLOGY
      GULLIVER PROGRAM
      LIFE DETECTORS
      PANSPERMIA

EXTRATERRESTRIAL MATTER
  0603 2311 3009
  GS  #EXTRATERRESTRIAL MATTER
      .COSMIC GASES
      ..INTERPLANETARY GAS
      ..INTERSTELLAR GAS
      .COSMIC PLASMA
      .INTERSTELLAR MATTER
      ..DARK MATTER
      ..INTERSTELLAR GAS
  RT  COSMOCHEMISTRY
      DEGENERATE MATTER
      MATTER (PHYSICS)
      NEGATIVE MATTER
      VENUS FLY TRAP ROCKET VEHICLE

EXTRATERRESTRIAL RADIATION
  2306 2402 2901 2902 2903
  UF  EXTRAGALACTIC LIGHT
      SPACE RADIATION
  GS  #EXTRATERRESTRIAL RADIATION
      .EXTRATERRESTRIAL RADIO WAVES
      ..GALACTIC RADIO WAVES
      ...NORTH POLAR SPUR (ASTRONOMY)
      ..RADIO BURSTS
      ...SOLAR RADIO BURSTS
      ....TYPE 2 BURSTS
      ....TYPE 3 BURSTS
      ....TYPE 4 BURSTS
      ....TYPE 5 BURSTS
      ..SOLAR RADIO EMISSION
      ...SOLAR RADIO BURSTS
      ....TYPE 2 BURSTS
      ....TYPE 3 BURSTS
      ....TYPE 4 BURSTS
      ....TYPE 5 BURSTS
      .GALACTIC RADIATION
      ..GALACTIC COSMIC RAYS
      ..GALACTIC RADIO WAVES
      ...NORTH POLAR SPUR (ASTRONOMY)
      .GAMMA RAY BURSTS
      .GEGENSCHEIN
      .INTERSTELLAR RADIATION
      .LUNAR RADIATION
      .PLANETARY RADIATION
      .PRIMARY COSMIC RAYS
      ..SOLAR COSMIC RAYS
      .SOLAR RADIATION
      ..CIRCUMSOLAR RADIATION
      ..SOLAR CORPUSCULAR RADIATION
      ...SOLAR ELECTRONS
      ...SOLAR NEUTRINOS
      ...SOLAR NEUTRONS
```

...SOLAR PROTONS
..SOLAR COSMIC RAYS
..SOLAR RADIO EMISSION
...SOLAR RADIO BURSTS
....TYPE 2 BURSTS
....TYPE 3 BURSTS
....TYPE 4 BURSTS
....TYPE 5 BURSTS
..SOLAR WIND
..SOLAR X-RAYS
..SUNLIGHT
.STELLAR RADIATION
..STELLAR WINDS
.ZODIACAL LIGHT
RT AEROSPACE ENVIRONMENTS
% AEROSPACE SCIENCES
ATMOSPHERIC RADIATION
BACKGROUND RADIATION
CORPUSCULAR RADIATION
COSMIC RAYS
COSMIC X RAYS
CRRES (SATELLITE)
EARTH ORBITAL ENVIRONMENTS
ELECTROMAGNETIC NOISE
ELECTROMAGNETIC RADIATION
ELECTRON ACCELERATION
EXTRAGALACTIC RADIO SOURCES
LIGHT (VISIBLE RADIATION)
LYMAN ALPHA RADIATION
LYMAN BETA RADIATION
MICROWAVE EMISSION
POLARIZED ELECTROMAGNETIC RADIATION
POLARIZED RADIATION
% RADIATION
RADIATION BELTS
RADIATIVE TRANSFER
RADIO JETS (ASTRONOMY)
RADIO WAVES
% RAYS
RELIC RADIATION
SYNCHROTRON RADIATION
SYSTEM GENERATED ELECTROMAGNETIC
PULSES
TERRESTRIAL RADIATION
X RAYS

EXTRATERRESTRIAL RADIO WAVES
2402 2903
UF COSMIC RADIO WAVES
GS ELECTROMAGNETIC RADIATION
.RADIO WAVES
.#EXTRATERRESTRIAL RADIO WAVES
...GALACTIC RADIO WAVES
...RADIO BURSTS
....SOLAR RADIO BURSTS
.....TYPE 2 BURSTS
.....TYPE 3 BURSTS
.....TYPE 4 BURSTS
.....TYPE 5 BURSTS
...SOLAR RADIO EMISSION
....SOLAR RADIO BURSTS
.....TYPE 2 BURSTS
.....TYPE 3 BURSTS
.....TYPE 4 BURSTS
.....TYPE 5 BURSTS
EXTRATERRESTRIAL RADIATION
#EXTRATERRESTRIAL RADIO WAVES
..GALACTIC RADIO WAVES
...NORTH POLAR SPUR (ASTRONOMY)
..RADIO BURSTS
...SOLAR RADIO BURSTS
....TYPE 2 BURSTS
....TYPE 3 BURSTS
....TYPE 4 BURSTS
....TYPE 5 BURSTS
..SOLAR RADIO EMISSION
...SOLAR RADIO BURSTS
....TYPE 2 BURSTS
....TYPE 3 BURSTS
....TYPE 4 BURSTS
....TYPE 5 BURSTS
RT CENTIMETER WAVES
EXTRAGALACTIC RADIO SOURCES
MICROWAVE EMISSION
MICROWAVES
MILLIMETER WAVES
RADIO ASTRONOMY
RADIO EMISSION
RADIO FREQUENCY INTERFERENCE
RADIO JETS (ASTRONOMY)
RADIO SOURCES (ASTRONOMY)

EXTRATERRESTRIAL RESOURCES
3004 3007 3409
GS RESOURCES
#EXTRATERRESTRIAL RESOURCES
..LUNAR RESOURCES
RT LUNAR EXPLORATION
PLANETARY BASES
SPACE EXPLORATION
SPACE LOGISTICS

EXTRATERRESTRIAL ROVING VEHICLES
USE ROVING VEHICLES

EXTRAVEHICULAR ACTIVITY
0502 3104
SN (ACTIVITY OUTSIDE THE SPACECRAFT)
UF EVA
RT % ACTIVITY
AEPS
AEROSPACE ENVIRONMENTS
APOLLO EXTENSION SYSTEM
ASTRONAUT LOCOMOTION
ASTRONAUT MANEUVERING EQUIPMENT
EXTRAVEHICULAR MOBILITY UNITS
IMLSS
INTRAVEHICULAR ACTIVITY
MAN OPERATED PROPULSION SYSTEMS
MANNED MANEUVERING UNITS
MANNED SPACE FLIGHT
ORBITAL WORKERS
SELF MANEUVERING UNITS
SPACE FLIGHT
SPACE MAINTENANCE
SPACE SHUTTLE PAYLOADS
UMBILICAL CONNECTORS
WEIGHTLESSNESS

EXTRAVEHICULAR MOBILITY UNITS
0303 0502 0505
SN (LIMITED TO SPACE SUIT UNITS OF THAT NAME DESIGNED FOR THE SPACE TRANSPORTATION SYSTEM)
GS CLOTHING
.PROTECTIVE CLOTHING
..PRESSURE SUITS
...SPACE SUITS
...#EXTRAVEHICULAR MOBILITY UNITS
.SUITS
..PRESSURE SUITS
...SPACE SUITS
...#EXTRAVEHICULAR MOBILITY UNITS
RT ASTRONAUT LOCOMOTION
ASTRONAUT MANEUVERING EQUIPMENT
EXTRAVEHICULAR ACTIVITY
IMLSS
LIFE SUPPORT SYSTEMS
SELF MANEUVERING UNITS
SPACE TRANSPORTATION SYSTEM

EXTREMA
USE RANGE (EXTREMES)

EXTREME ULTRAVIOLET EXPLORER SATELLITE
3107 2903 3009
UF EUVE
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#EXTREME ULTRAVIOLET EXPLORER SATELLITE
RT IUE
ULTRAVIOLET ASTRONOMY

```
EXTREME ULTRAVIOLET RADIATION
  2401 2903 3009
  GS   ELECTROMAGNETIC RADIATION
       .ULTRAVIOLET RADIATION
       .#EXTREME ULTRAVIOLET RADIATION
       IONIZING RADIATION
       #EXTREME ULTRAVIOLET RADIATION
  RT   BEAMS (RADIATION)
       IONIZING RADIATION
       MAGELLAN ULTRAVIOLET ASTRONOMY
       SATELLITE
     % RADIATION
       SOLAR RADIATION

EXTREMELY HIGH FREQUENCIES
  0705 0710 2301 2309 2312 2402
  SN   (30 TO 300 GHZ)
  UF   K BAND
       KA BAND
       V BAND
  GS   FREQUENCIES
       .RADIO FREQUENCIES
       ..MICROWAVE FREQUENCIES
       ..#EXTREMELY HIGH FREQUENCIES
  RT   ACTS
       MILLIMETER WAVES

EXTREMELY LOW FREQUENCIES
  0705 0710 2301 2309 2312 2402
  GS   FREQUENCIES
       #EXTREMELY LOW FREQUENCIES
  RT   LOW FREQUENCIES
       RADIO FREQUENCIES
       SEAFARER PROJECT

EXTREMELY LOW RADIO FREQUENCIES
  0705 0710 2301 2402
  SN   (BELOW 300 HZ)
  UF   ULTRALOW FREQUENCIES
  GS   FREQUENCIES
       .RADIO FREQUENCIES
       .#EXTREMELY LOW RADIO FREQUENCIES
  RT   AUDIO FREQUENCIES

EXTREMUM VALUES
  1902
  GS   ANALYSIS (MATHEMATICS)
       .REAL VARIABLES
       .#EXTREMUM VALUES
       ...LIMITS (MATHEMATICS)
       ...MAXIMA
       ...MINIMA
  RT   EULER-LAGRANGE EQUATION
       FUNCTIONS (MATHEMATICS)
       OPTIMIZATION
     % PEAKS
       PROBABILITY THEORY

EXTROVERSION
  0408 0410
  RT   BEHAVIOR
       HUMAN BEHAVIOR
       PSYCHOLOGY

EXTRUDING
  1704
  UF   HOT EXTRUDING
  GS   FORMING TECHNIQUES
       #EXTRUDING
       ..PULTRUSION
  RT   CASTING
       CLADDING
       COLD WORKING
       DIES
     % DRAWING
       EXPLOSIVE FORMING
       INJECTION MOLDING
       INTRUSION
       METAL SPINNING
       METAL WORKING
       PIERCING
       PRESSING (FORMING)
       SQUEEZE CASTING
       WET SPINNING

EYE (ANATOMY)
  0404
  GS   ANATOMY
       .SENSE ORGANS
       .#EYE (ANATOMY)
       ...CHOROID MEMBRANES
       ...CONJUNCTIVA
       ...CORNEA
       ...OCULOMOTOR NERVES
       ...PUPILS
       ...RETINA
       ....FOVEA
  RT   ACCOMMODATION
       COLOR VISION
       FACE (ANATOMY)
       HEAD (ANATOMY)
       LENSES
       MIOSIS
       NYSTAGMUS
       OPHTHALMODYNAMOMETRY
       OPHTHALMOLOGY
       OPTOMETRY
       PHOTORECEPTORS
       VESTIBULAR NYSTAGMUS
       VISION

EYE DISEASES
  0405 0408
  GS   DISEASES
       #EYE DISEASES
       ..ASTHENOPIA
       ..ASTIGMATISM
       ..CATARACTS
       ..CONJUNCTIVITIS
       ..GLAUCOMA
       ..KERATITIS
       ..PHORIA
  RT   BLINDNESS
       HYPEROPIA
       OPHTHALMOLOGY

EYE DOMINANCE
  0404 0408
  GS   DOMINANCE
       #EYE DOMINANCE
  RT   VISION

EYE EXAMINATIONS
  0405
  GS   EXAMINATION
       #EYE EXAMINATIONS
  RT   ELECTRONYSTAGMOGRAPHY
       HAPLOSCOPES
       OPHTHALMOLOGY

EYE MOVEMENTS
  0404 0405 0408
  GS  #EYE MOVEMENTS
       .NYSTAGMUS
       ..VESTIBULAR NYSTAGMUS
       .SACCADIC EYE MOVEMENTS
  RT   BLINKING
       ELECTRONYSTAGMOGRAPHY
       HEAD MOVEMENT
       OCULOMETERS
       RAPID EYE MOVEMENT STATE
       VISUAL TASKS

EYE PROTECTION
  0405 0508
  GS   PROTECTION
       #EYE PROTECTION
  RT   FLASH BLINDNESS
       GOGGLES
       SUNGLASSES
       VISORS

EYEPIECES
  1412 2310
  GS   OPTICAL EQUIPMENT
```

```
        #EYEPIECES
  RT    BINOCULARS
        CONTACT LENSES
        LENSES
        MICROSCOPES
        PERISCOPES
        RETICLES
        SUNGLASSES
        TELESCOPES

EYRING THEORY
  1202 2404
  GS    KINETIC THEORY
        .TRANSPORT THEORY
        .#EYRING THEORY
  RT    EQUILIBRIUM FLOW
        FLUID DYNAMICS
      % THEORIES

F CENTERS
  USE   COLOR CENTERS

F DISPLAYS
  USE   F REGION

F LAYER
  USE   F REGION

F REGION
  1302 1308 3009
  SN    (ALTITUDES ABOVE APPROXIMATELY 160
        KM)
  UF    F DISPLAYS
        F LAYER
        NIGHT F LAYER
  GS    EARTH ATMOSPHERE
        .UPPER ATMOSPHERE
        ..EARTH IONOSPHERE
        ...UPPER IONOSPHERE
        ...#F REGION
        .....F 1 REGION
        .....F 2 REGION
        REGIONS
        #F REGION
        ..F 1 REGION
        ..F 2 REGION
  RT    PLASMA BUBBLES

F STARS
  3001
  GS    CELESTIAL BODIES
        .STARS
        .#F STARS
  RT    BLUE STARS
        DWARF STARS
        G STARS
        GIANT STARS
        MAIN SEQUENCE STARS
        STELLAR SPECTRA

F 1 REGION
  1302 1308 3009
  GS    EARTH ATMOSPHERE
        .UPPER ATMOSPHERE
        ..EARTH IONOSPHERE
        ...UPPER IONOSPHERE
        ....F REGION
        ....#F 1 REGION
        REGIONS
        .F REGION
        .#F 1 REGION

F 2 REGION
  1302 1308 3009
  GS    EARTH ATMOSPHERE
        .UPPER ATMOSPHERE
        ..EARTH IONOSPHERE
        ...UPPER IONOSPHERE
        ....F REGION
        ....#F 2 REGION
        REGIONS
        .F REGION
        .#F 2 REGION
  RT    SPREAD F
        TRANSEQUATORIAL PROPAGATION

F-1 ROCKET ENGINE
  2808
  GS    ENGINES
        .ROCKET ENGINES
        ..LIQUID PROPELLANT ROCKET ENGINES
        ..#F-1 ROCKET ENGINE
  RT    BOOSTER ROCKET ENGINES
        NOVA LAUNCH VEHICLES
        SATURN LAUNCH VEHICLES

F-2 AIRCRAFT
  0207 3401
  UF    HAWKER HUNTER AIRCRAFT
        HUNTER F-2 AIRCRAFT
  GS    ATTACK AIRCRAFT
        .FIGHTER AIRCRAFT
        .#F-2 AIRCRAFT
        HAWKER SIDDELEY AIRCRAFT
        #F-2 AIRCRAFT
        JET AIRCRAFT
        #F-2 AIRCRAFT
        MONOPLANES
        #F-2 AIRCRAFT
  RT % AIRCRAFT

F-4 AIRCRAFT
  0207 3401
  UF    F-110 AIRCRAFT
        F4H AIRCRAFT
  GS    ATTACK AIRCRAFT
        .FIGHTER AIRCRAFT
        .#F-4 AIRCRAFT
        JET AIRCRAFT
        .PHANTOM AIRCRAFT
        .#F-4 AIRCRAFT
        MCDONNELL DOUGLAS AIRCRAFT
        .MCDONNELL AIRCRAFT
        ..PHANTOM AIRCRAFT
        ..#F-4 AIRCRAFT
        MONOPLANES
        .PHANTOM AIRCRAFT
        .#F-4 AIRCRAFT
        SUPERSONIC AIRCRAFT
        .PHANTOM AIRCRAFT
        .#F-4 AIRCRAFT
  RT % AIRCRAFT
        J-79 ENGINE
        RF-4 AIRCRAFT

F-5 AIRCRAFT
  0207 3401
  UF    FREEDOM FIGHTER AIRCRAFT
        N-156 AIRCRAFT
  GS    ATTACK AIRCRAFT
        .FIGHTER AIRCRAFT
        .#F-5 AIRCRAFT
        COIN AIRCRAFT
        #F-5 AIRCRAFT
        JET AIRCRAFT
        #F-5 AIRCRAFT
        MONOPLANES
        #F-5 AIRCRAFT
        NORTHROP AIRCRAFT
        #F-5 AIRCRAFT
        OBSERVATION AIRCRAFT
        #F-5 AIRCRAFT
        RECONNAISSANCE AIRCRAFT
        #F-5 AIRCRAFT
        SUPERSONIC AIRCRAFT
        #F-5 AIRCRAFT
  RT % AIRCRAFT

F-8 AIRCRAFT
  0207 3401
  UF    CRUSADER AIRCRAFT
        F8U AIRCRAFT
        RF-8 AIRCRAFT
  GS    ATTACK AIRCRAFT
        .FIGHTER AIRCRAFT
```

```
        .#F-8 AIRCRAFT
        JET AIRCRAFT
        #F-8 AIRCRAFT
        LING-TEMCO-VOUGHT AIRCRAFT
        #F-8 AIRCRAFT
        MONOPLANES
        #F-8 AIRCRAFT
        SINGLE ENGINE AIRCRAFT
        #F-8 AIRCRAFT
        SUPERSONIC AIRCRAFT
        #F-8 AIRCRAFT
  RT % AIRCRAFT

F-9 AIRCRAFT
  0207 3401
  UF    COUGAR AIRCRAFT
        F9F AIRCRAFT
        PANTHER AIRCRAFT
  GS    ATTACK AIRCRAFT
        .FIGHTER AIRCRAFT
        .#F-9 AIRCRAFT
        GRUMMAN AIRCRAFT
        #F-9 AIRCRAFT
        JET AIRCRAFT
        #F-9 AIRCRAFT
        MONOPLANES
        #F-9 AIRCRAFT
        SINGLE ENGINE AIRCRAFT
        #F-9 AIRCRAFT
  RT % AIRCRAFT

F-14 AIRCRAFT
  0201 0207
  GS    ATTACK AIRCRAFT
        .FIGHTER AIRCRAFT
        .#F-14 AIRCRAFT
        GRUMMAN AIRCRAFT
        #F-14 AIRCRAFT
        JET AIRCRAFT
        #F-14 AIRCRAFT
        SUPERSONIC AIRCRAFT
        #F-14 AIRCRAFT
  RT % AIRCRAFT

F-15 AIRCRAFT
  0207 3401
  GS    ATTACK AIRCRAFT
        .FIGHTER AIRCRAFT
        .#F-15 AIRCRAFT
        JET AIRCRAFT
        #F-15 AIRCRAFT
        SUPERSONIC AIRCRAFT
        #F-15 AIRCRAFT
  RT % AIRCRAFT

F-16 AIRCRAFT
  0201 0207
  GS    ATTACK AIRCRAFT
        .FIGHTER AIRCRAFT
        .#F-16 AIRCRAFT
        JET AIRCRAFT
        #F-16 AIRCRAFT
        SINGLE ENGINE AIRCRAFT
        #F-16 AIRCRAFT
        SUPERSONIC AIRCRAFT
        #F-16 AIRCRAFT
  RT % AIRCRAFT

F-17 AIRCRAFT
  0207 3401
  UF    YF-17 AIRCRAFT
  GS    ATTACK AIRCRAFT
        .FIGHTER AIRCRAFT
        .#F-17 AIRCRAFT
        JET AIRCRAFT
        #F-17 AIRCRAFT
        MONOPLANES
        #F-17 AIRCRAFT
        SUPERSONIC AIRCRAFT
        #F-17 AIRCRAFT
  RT % AIRCRAFT
        F-18 AIRCRAFT

F-18 AIRCRAFT
  0207 3401
  GS    ATTACK AIRCRAFT
        .FIGHTER AIRCRAFT
        .#F-18 AIRCRAFT
        JET AIRCRAFT
        #F-18 AIRCRAFT
        MCDONNELL DOUGLAS AIRCRAFT
        #F-18 AIRCRAFT
        NORTHROP AIRCRAFT
        #F-18 AIRCRAFT
  RT % AIRCRAFT
        F-17 AIRCRAFT

F-20 AIRCRAFT
  3401
  GS    ATTACK AIRCRAFT
        .FIGHTER AIRCRAFT
        .#F-20 AIRCRAFT
        JET AIRCRAFT
        #F-20 AIRCRAFT
        NORTHROP AIRCRAFT
        #F-20 AIRCRAFT

F-22 AIRCRAFT
  0207 3401
  UF    ADVANCED TACTICAL FIGHTER
        ATF
        YF-22 AIRCRAFT
  GS    ATTACK AIRCRAFT
        .FIGHTER AIRCRAFT
        .#F-22 AIRCRAFT
        JET AIRCRAFT
        #F-22 AIRCRAFT
        SUPERSONIC AIRCRAFT
        #F-22 AIRCRAFT
  RT % AIRCRAFT

F-27 AIRCRAFT
  0207 3401
  UF    FOKKER F 27 AIRCRAFT
        FOKKER FRIENDSHIP AIRCRAFT
  GS    ATTACK AIRCRAFT
        .FIGHTER AIRCRAFT
        .#F-27 AIRCRAFT
        FOKKER AIRCRAFT
        #F-27 AIRCRAFT
        JET AIRCRAFT
        .TURBOPROP AIRCRAFT
        .#F-27 AIRCRAFT
        MONOPLANES
        #F-27 AIRCRAFT
        PASSENGER AIRCRAFT
        #F-27 AIRCRAFT
        TRANSPORT AIRCRAFT
        .CARGO AIRCRAFT
        .#F-27 AIRCRAFT
  RT % AIRCRAFT

F-28 HELICOPTER
  0206 0207
  GS    LIGHT AIRCRAFT
        #F-28 HELICOPTER
        PASSENGER AIRCRAFT
        #F-28 HELICOPTER
        V/STOL AIRCRAFT
        .ROTARY WING AIRCRAFT
        ..HELICOPTERS
        ...RIGID ROTOR HELICOPTERS
        ...#F-28 HELICOPTER

F-28 TRANSPORT AIRCRAFT
  0201 0204
  UF    FELLOWSHIP AIRCRAFT
        FOKKER F 28 AIRCRAFT
  GS    COMMERCIAL AIRCRAFT
        #F-28 TRANSPORT AIRCRAFT
        FOKKER AIRCRAFT
        #F-28 TRANSPORT AIRCRAFT
        JET AIRCRAFT
        .TURBOFAN AIRCRAFT
        .#F-28 TRANSPORT AIRCRAFT
```

MONOPLANES
#F-28 TRANSPORT AIRCRAFT
PASSENGER AIRCRAFT
#F-28 TRANSPORT AIRCRAFT
TRANSPORT AIRCRAFT
#F-28 TRANSPORT AIRCRAFT
RT % AIRCRAFT

F-80 AIRCRAFT
USE T-33 AIRCRAFT

F-84 AIRCRAFT
0207 3401
GS ATTACK AIRCRAFT
.FIGHTER AIRCRAFT
.#F-84 AIRCRAFT
JET AIRCRAFT
#F-84 AIRCRAFT
MONOPLANES
#F-84 AIRCRAFT
REPUBLIC AIRCRAFT
#F-84 AIRCRAFT
SINGLE ENGINE AIRCRAFT
#F-84 AIRCRAFT
RT % AIRCRAFT

F-86 AIRCRAFT
0207 3401
UF SABRE AIRCRAFT
GS ATTACK AIRCRAFT
.FIGHTER AIRCRAFT
.#F-86 AIRCRAFT
JET AIRCRAFT
#F-86 AIRCRAFT
MONOPLANES
#F-86 AIRCRAFT
NORTH AMERICAN AIRCRAFT
#F-86 AIRCRAFT
SINGLE ENGINE AIRCRAFT
#F-86 AIRCRAFT
RT % AIRCRAFT

F-89 AIRCRAFT
0207 3401
GS ATTACK AIRCRAFT
.FIGHTER AIRCRAFT
.#F-89 AIRCRAFT
JET AIRCRAFT
#F-89 AIRCRAFT
MONOPLANES
#F-89 AIRCRAFT
NORTHROP AIRCRAFT
#F-89 AIRCRAFT
RT % AIRCRAFT

F-94 AIRCRAFT
0207 3401
GS ATTACK AIRCRAFT
.FIGHTER AIRCRAFT
.#F-94 AIRCRAFT
JET AIRCRAFT
#F-94 AIRCRAFT
LOCKHEED AIRCRAFT
#F-94 AIRCRAFT
MONOPLANES
#F-94 AIRCRAFT
SINGLE ENGINE AIRCRAFT
#F-94 AIRCRAFT
RT % AIRCRAFT

F-100 AIRCRAFT
0207 3401
UF SUPER SABRE AIRCRAFT
GS ATTACK AIRCRAFT
.BOMBER AIRCRAFT
.#F-100 AIRCRAFT
.FIGHTER AIRCRAFT
.#F-100 AIRCRAFT
JET AIRCRAFT
#F-100 AIRCRAFT
MONOPLANES
#F-100 AIRCRAFT
NORTH AMERICAN AIRCRAFT
#F-100 AIRCRAFT
SINGLE ENGINE AIRCRAFT
#F-100 AIRCRAFT
SUPERSONIC AIRCRAFT
#F-100 AIRCRAFT
RT % AIRCRAFT

F-101 AIRCRAFT
0207 3401
UF JF 101 AIRCRAFT
VOODOO AIRCRAFT
GS ATTACK AIRCRAFT
.FIGHTER AIRCRAFT
.#F-101 AIRCRAFT
JET AIRCRAFT
#F-101 AIRCRAFT
MCDONNELL DOUGLAS AIRCRAFT
.MCDONNELL AIRCRAFT
.#F-101 AIRCRAFT
SINGLE ENGINE AIRCRAFT
#F-101 AIRCRAFT
SUPERSONIC AIRCRAFT
#F-101 AIRCRAFT
RT % AIRCRAFT

F-102 AIRCRAFT
0207 3401
UF DELTA DAGGER AIRCRAFT
YF-102 AIRCRAFT
GS ATTACK AIRCRAFT
.FIGHTER AIRCRAFT
.#F-102 AIRCRAFT
GENERAL DYNAMICS AIRCRAFT
#F-102 AIRCRAFT
JET AIRCRAFT
#F-102 AIRCRAFT
MONOPLANES
#F-102 AIRCRAFT
SINGLE ENGINE AIRCRAFT
#F-102 AIRCRAFT
SUPERSONIC AIRCRAFT
#F-102 AIRCRAFT
TAILLESS AIRCRAFT
#F-102 AIRCRAFT
RT % AIRCRAFT

F-104 AIRCRAFT
0207 3401
UF CANADAIR CF-104 AIRCRAFT
CF-104 AIRCRAFT
STARFIGHTER AIRCRAFT
GS ATTACK AIRCRAFT
.FIGHTER AIRCRAFT
.#F-104 AIRCRAFT
JET AIRCRAFT
#F-104 AIRCRAFT
LOCKHEED AIRCRAFT
#F-104 AIRCRAFT
MONOPLANES
#F-104 AIRCRAFT
SINGLE ENGINE AIRCRAFT
#F-104 AIRCRAFT
SUPERSONIC AIRCRAFT
#F-104 AIRCRAFT
RT % AIRCRAFT

F-105 AIRCRAFT
0207 3401
UF THUNDERCHIEF AIRCRAFT
GS ATTACK AIRCRAFT
.FIGHTER AIRCRAFT
.#F-105 AIRCRAFT
JET AIRCRAFT
#F-105 AIRCRAFT
MONOPLANES
#F-105 AIRCRAFT
REPUBLIC AIRCRAFT
#F-105 AIRCRAFT
SINGLE ENGINE AIRCRAFT
#F-105 AIRCRAFT
RT % AIRCRAFT

```
F-106 AIRCRAFT
  0207 3401
  UF   DELTA DART AIRCRAFT
  GS   ATTACK AIRCRAFT
       .FIGHTER AIRCRAFT
       .#F-106 AIRCRAFT
       GENERAL DYNAMICS AIRCRAFT
       #F-106 AIRCRAFT
       JET AIRCRAFT
       #F-106 AIRCRAFT
       MONOPLANES
       #F-106 AIRCRAFT
       SINGLE ENGINE AIRCRAFT
       #F-106 AIRCRAFT
       SUPERSONIC AIRCRAFT
       #F-106 AIRCRAFT
       TAILLESS AIRCRAFT
       #F-106 AIRCRAFT
  RT % AIRCRAFT

F-110 AIRCRAFT
  USE  F-4 AIRCRAFT

F-111 AIRCRAFT
  0207 3401
  UF   LASV
       TFX AIRCRAFT
  GS   ATTACK AIRCRAFT
       .FIGHTER AIRCRAFT
       .#F-111 AIRCRAFT
       GENERAL DYNAMICS AIRCRAFT
       #F-111 AIRCRAFT
       GRUMMAN AIRCRAFT
       #F-111 AIRCRAFT
       JET AIRCRAFT
       .TURBOFAN AIRCRAFT
       .#F-111 AIRCRAFT
       SUPERSONIC AIRCRAFT
       #F-111 AIRCRAFT
  RT % AIRCRAFT
       MISSION ADAPTIVE WINGS
       VARIABLE SWEEP WINGS

F-117A AIRCRAFT
  0207 3401
  GS   ATTACK AIRCRAFT
       .FIGHTER AIRCRAFT
       .#F-117A AIRCRAFT
       JET AIRCRAFT
       #F-117A AIRCRAFT
  RT % AIRCRAFT
       AIRCRAFT DETECTION
       BOMBER AIRCRAFT

FAB (PROGRAMMING LANGUAGE)
  USE  FORTRAN

FABRICATION
  1507 3407
  GS  #FABRICATION
       .SPACE MANUFACTURING
  RT   ASSEMBLIES
       ASSEMBLING
       CONSTRUCTION
       LOW GRAVITY MANUFACTURING
       MANUFACTURING
       PRODUCTION MANAGEMENT
       RESIN TRANSFER MOLDING
       SQUEEZE CASTING

FABRICS
  1811
  UF   CLOTH
  GS  #FABRICS
       .CREPE
       .DACRON (TRADEMARK)
       .FELTS
       .FORTISAN (TRADEMARK)
       .GAUZE
       .LINEN
       .PARACHUTE FABRICS
       .SILK
       .WOOL
  RT   CLOTHING
       COATINGS
       COTTON
       FIBERS
     % FILMS
       FLAME RETARDANTS
       GEOTECHNICAL FABRICS
       GORES
       INTERLAYERS
       LAMINATES
       MESH
       MICARTA
       MULTILAYER INSULATION
       REINFORCING MATERIALS
       RIBBONS
     % SHEETS
       SOCKS
       TEXTILES
       WEAVING
       WEBBING
       WEBS (SHEETS)
       WIRE CLOTH
       WOVEN COMPOSITES

FABRY-PEROT INTERFEROMETERS
  1405 1406 3501
  GS   MEASURING INSTRUMENTS
       .INTERFEROMETERS
       .#FABRY-PEROT INTERFEROMETERS
  RT   ETALONS
       MICROWAVE INTERFEROMETERS
       PLASMA DIAGNOSTICS

FABRY-PEROT LASERS
  USE  LASERS

FABRY-PEROT SPECTROMETERS
  1406 1411 3009 3501
  GS   MEASURING INSTRUMENTS
       .RADIATION MEASURING INSTRUMENTS
       .#FABRY-PEROT SPECTROMETERS
       .SPECTROMETERS
       .#FABRY-PEROT SPECTROMETERS
  RT   ACTINOMETERS
       AIRGLOW
       AURORAL SPECTROSCOPY
       OPTICAL EQUIPMENT
       OPTICAL MEASURING INSTRUMENTS

FACE (ANATOMY)
  0401 0405
  GS   ANATOMY
       #FACE (ANATOMY)
       ..CHIN
       ..FOREHEAD
       ..MOUTH
       ...LIPS (ANATOMY)
       ..NOSE (ANATOMY)
  RT   EYE (ANATOMY)
       HEAD (ANATOMY)

FACE CENTERED CUBIC LATTICES
  2601
  UF   FCC LATTICES
  GS   CRYSTAL LATTICES
       .CUBIC LATTICES
       .#FACE CENTERED CUBIC LATTICES
  RT   BODY CENTERED CUBIC LATTICES
       CLOSE PACKED LATTICES
       CRYSTALS

FACETS
  USE  FLAT SURFACES

% FACILITIES
  1101 1103 1104 1106 1108 3406 3501
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   AIRPORTS
       ELECTRIC POWER PLANTS
       GROUND HANDLING
```

INDUSTRIAL AREAS
INDUSTRIAL PLANTS
LAND USE
LAUNCHING BASES
LOGISTICS
LOGISTICS MANAGEMENT
MILITARY AIR FACILITIES
MOBILE QUARANTINE FACILITY
RESEARCH FACILITIES
ROADS
SITE SELECTION
SITES
SOLAR CELL CALIBRATION FACILITY
STATIONS
TERMINAL FACILITIES
TEST FACILITIES
X RAY ASTROPHYSICS FACILITY

FACSIMILE COMMUNICATION
0702 0705 0710
UF FACSIMILE TRANSMISSION
FAX
GS TELECOMMUNICATION
.COMMUNICATION
.#FACSIMILE COMMUNICATION
RT INTERPLANETARY COMMUNICATION
LUNAR COMMUNICATION
SATELLITE COMMUNICATION
SPACECRAFT COMMUNICATION
TELETYPEWRITER SYSTEMS
TELEVISION SYSTEMS
TRANSOCEANIC COMMUNICATION
WIRELESS COMMUNICATION

FACSIMILE TRANSMISSION
USE FACSIMILE COMMUNICATION

FACTOR ANALYSIS
1902
GS STATISTICAL ANALYSIS
#FACTOR ANALYSIS
RT AUTOREGRESSIVE PROCESSES
CORRELATION
COVARIANCE
DEGREES OF FREEDOM
EXPERIMENT DESIGN
FACTORIZATION
MATRICES (MATHEMATICS)
ORTHOGONALITY
REGRESSION ANALYSIS
STATISTICAL TESTS
VARIABILITY
VARIANCE (STATISTICS)

FACTORIAL DESIGN
0804 1902 3406
GS EXPERIMENT DESIGN
#FACTORIAL DESIGN
RT % DESIGN
MATHEMATICAL MODELS
STATISTICAL ANALYSIS

FACTORIALS
1902
GS ANALYSIS (MATHEMATICS)
.COMBINATORIAL ANALYSIS
.#FACTORIALS
RT BINOMIAL COEFFICIENTS
GAMMA FUNCTION

FACTORIES
USE INDUSTRIAL PLANTS

FACTORIZATION
1902
RT ALGORITHMS
FACTOR ANALYSIS
FINITE ELEMENT METHOD
REAL VARIABLES

FACTORS
USE VARIABLE

FACULAE
3001 3002
UF PLAGES (FACULAE)
SOLAR FACULAE
GS STELLAR ACTIVITY
.SOLAR ACTIVITY
.#FACULAE
RT % ACTIVITY
CHROMOSPHERE
PHOTOSPHERE
STARSPOTS
SUNSPOTS

FADDEEV EQUATIONS
1902 2401 2403 2405
RT % EQUATIONS
PARTICLE COLLISIONS
SCATTERING AMPLITUDE
WAVE SCATTERING

FADING
0702 0705 0710 2402
GS #FADING
.SIGNAL FADING
..SELECTIVE FADING
RT ATTENUATION
BLEACHING
COLOR
DISCOLORATION
ELECTROMAGNETIC ABSORPTION
EXTINCTION
RECEPTION DIVERSITY
SIGNAL FADING RATE
WAVE DISPERSION

FAHRENHEIT TEMPERATURE SCALE
USE TEMPERATURE SCALES

FAIL-SAFE SYSTEMS
0506 1505 3404 3407
RT % AUTOMATION
EMERGENCIES
FAULT TOLERANCE
SAFETY DEVICES
SAFETY MANAGEMENT
SELF TESTS
% SYSTEMS

FAILURE
1505 3203 3406
GS #FAILURE
.BURNTHROUGH (FAILURE)
.ENGINE FAILURE
.STRUCTURAL FAILURE
.SYSTEM FAILURES
RT ABORTED MISSIONS
% BREAKDOWN
BUCKLING
BURN-IN
COLLAPSE
CORROSION
CRACKING (FRACTURING)
CUMULATIVE DAMAGE
DEFORMATION
DESTRUCTION
DETERIORATION
DISTORTION
DOWNTIME
ELECTRICAL FAULTS
FAILURE ANALYSIS
FATIGUE (MATERIALS)
FLASHOVER
FRACTURES (MATERIALS)
MALFUNCTIONS
MILLS RATIO
RUPTURING
SHEARING
SHORT CIRCUITS
STRUCTURAL STRAIN
TEMPERATURE INVERSIONS
WEAR

```
FAILURE ANALYSIS
  1504
  RT    ACOUSTIC EMISSION
      % ANALYZING
        BURN-IN
        BURST TESTS
        FATIGUE LIFE
        FAULT DETECTION
        FAULT TOLERANCE
        LIFE (DURABILITY)
        MILLS RATIO
        MTBF
        PROBABILITY DENSITY FUNCTIONS
        RELIABILITY
        STATISTICAL ANALYSIS
        TREND ANALYSIS

FAILURE MODES
  1505 3203
  GS    MODES
        #FAILURE MODES
  RT    BUCKLING
        CRACKS
        ELASTIC BUCKLING
        FAULT DETECTION
      % MODE
        MODE (STATISTICS)
        MTBF
        SHEARING

FAINT OBJECT CAMERA
  1407 3009
  GS    OPTICAL EQUIPMENT
        .CAMERAS
        .#FAINT OBJECT CAMERA
        PHOTOGRAPHIC EQUIPMENT
        .CAMERAS
        .#FAINT OBJECT CAMERA
  RT    ASTRONOMICAL PHOTOGRAPHY
        HUBBLE SPACE TELESCOPE
        INFRARED PHOTOGRAPHY
        OPTICAL MEASURING INSTRUMENTS
        SPACEBORNE ASTRONOMY
        SPACEBORNE TELESCOPES
        ULTRAVIOLET PHOTOGRAPHY

FAINT OBJECTS
  1901 3001
  GS    CELESTIAL BODIES
        #FAINT OBJECTS
  RT    GALAXIES
        STARS

FAINTING
  USE   SYNCOPE

FAIRCHILD MILITARY AIRCRAFT
  USE   FAIRCHILD-HILLER AIRCRAFT
        MILITARY AIRCRAFT

FAIRCHILD-HILLER AIRCRAFT
  0201 0204
  UF    FAIRCHILD MILITARY AIRCRAFT
  GS   #FAIRCHILD-HILLER AIRCRAFT
        .C-119 AIRCRAFT
        .C-123 AIRCRAFT
        .OH-5 HELICOPTER
        .OH-23 HELICOPTER
        .XC-142 AIRCRAFT
  RT % AIRCRAFT

FAIREY AIRCRAFT
  0201
  GS   #FAIREY AIRCRAFT
        .FD 2 AIRCRAFT
  RT % AIRCRAFT

FAIREY DELTA 2 AIRCRAFT
  USE   FD 2 AIRCRAFT

FAIRINGS
  0102 1504 3202 3203
  GS    SYMMETRICAL BODIES
        .STREAMLINED BODIES
        .#FAIRINGS
  RT    AERODYNAMIC CONFIGURATIONS
        AIRCRAFT STRUCTURES
        CANOPIES
        COWLINGS
        FILLETS
        HOUSINGS
        LANDING GEAR
        NACELLES
        OGIVES
        PERFORATED SHELLS
        PROTECTORS
        PROTUBERANCES
        SHEATHS
        SHELLS (STRUCTURAL FORMS)
      % SPINNERS
        STREAMLINING
        WING ROOTS

FAITH 7
  3104 3110 3409
  GS    MANNED SPACECRAFT
        .MERCURY SPACECRAFT
        .#FAITH 7
        REENTRY VEHICLES
        .RECOVERABLE SPACECRAFT
        ..MERCURY SPACECRAFT
        ..#FAITH 7
        SOFT LANDING SPACECRAFT
        .MERCURY SPACECRAFT
        .#FAITH 7
        SPACE CAPSULES
        .MERCURY SPACECRAFT
        .#FAITH 7
  RT    MERCURY MA-2 FLIGHT
        MERCURY MA-9 FLIGHT

FALCON MISSILE
  3101 3401
  GS    MISSILES
        .AIR TO AIR MISSILES
        .#FALCON MISSILE
        .ANTIAIRCRAFT MISSILES
        .#FALCON MISSILE
  RT    M-46 ENGINE
        SOLID PROPELLANT ROCKET ENGINES

FALKNER-SKAN EQUATION
  1202 1902 3501
  GS    ANALYSIS (MATHEMATICS)
        .REAL VARIABLES
        ..DIFFERENTIAL EQUATIONS
        ..#FALKNER-SKAN EQUATION
  RT    BLASIUS EQUATION
        BOUNDARY LAYER SEPARATION
      % EQUATIONS
        LAMINAR FLOW
        PRANDTL-MEYER EXPANSION
        WEDGE FLOW

FALLING
  1309 2308
  RT    ATMOSPHERIC ENTRY
        DESCENT TRAJECTORIES
        PARTICLE MOTION
      % PRECIPITATION
        SINKING
        VERTICAL MOTION

FALLING SPHERES
  1902 2308 0102
  GS    SYMMETRICAL BODIES
        .BODIES OF REVOLUTION
        ..SPHERES
        ..#FALLING SPHERES
  RT    BALLS
        DROP TOWERS
        FREE FALL
        GLOBULES
        RAINDROPS
        SPHEROIDS
```

```
FALLOUT
  0411 0505
  UF   WASHOUT (RADIOACTIVITY)
  RT   AIR POLLUTION
       FISSION PRODUCTS
       FISSION WEAPONS
       NUCLEAR EXPLOSION EFFECT
       NUCLEAR EXPLOSIONS
       NUCLEAR METEOROLOGY
       POST-BLAST NUCLEAR RADIATION
     % RADIATION
       RADIATION EFFECTS
       RADIATION HAZARDS
       RADIOACTIVE CONTAMINANTS
     % RADIOACTIVE DEBRIS
       RADIOACTIVITY

FALSE ALARMS
  0503 0705 0803 1003 1905
  RT   ERROR SIGNALS
       SIGNAL TO NOISE RATIOS
       WARNING SYSTEMS

FAN BLADES
  1504
  RT   COMPRESSOR BLADES
       DUCTED FANS
     % FANS
       PROPELLER BLADES
       ROTARY WINGS
       TURBINE BLADES
       TURBOMACHINE BLADES
       VENTILATION FANS

FAN IN WING AIRCRAFT
  0101 0102 0103 0104 0201 0206 0209
  GS  #FAN IN WING AIRCRAFT
      .XV-5 AIRCRAFT
  RT % AIRCRAFT
       LIFT FANS
       RESEARCH AIRCRAFT
       SHORT TAKEOFF AIRCRAFT
       TILT WING AIRCRAFT
       V/STOL AIRCRAFT
       VERTICAL TAKEOFF AIRCRAFT

FANLIFT DEVICES
  USE  LIFT FANS

% FANS
  0104 1504 2805
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   ACTUATOR DISKS
       AIR CONDITIONING EQUIPMENT
       AIR DUCTS
       ANTENNA RADIATION PATTERNS
       BLOWERS
       COMPRESSOR ROTORS
       COMPRESSORS
       DUCTED FANS
       FAN BLADES
       PROPELLER FANS
       TURBOFANS
       VENTILATION FANS
       WIND TUNNEL DRIVES

FANS (LANDFORMS)
  1306
  UF   BAJADAS
  GS   LANDFORMS
       #FANS (LANDFORMS)
  RT   ALLUVIUM
       CANYONS
       CLAYS
       DELTAS
       GRAVELS
       MUD
       SANDS
       SEDIMENTS

FAR FIELDS
  0705 2301 2402
  UF   FRAUNHOFER REGION
  GS   ELECTROMAGNETIC FIELDS
       #FAR FIELDS
  RT   ANTENNA RADIATION PATTERNS
       ELECTROMAGNETIC RADIATION
       FIELD THEORY (PHYSICS)
       FRESNEL REGION
       LASER ARRAYS
       NEAR FIELDS
       NOISE PROPAGATION
       RADIANT FLUX DENSITY

FAR INFRARED RADIATION
  1404 2310 2402 2903
  SN   (30 MICRONS TO ABOUT 1000 MICRONS)
  GS   ELECTROMAGNETIC RADIATION
       .INFRARED RADIATION
       .#FAR INFRARED RADIATION
  RT   LONG WAVE RADIATION
       NEAR INFRARED RADIATION
     % RADIATION
       RADIO WAVES
       SHORT WAVE RADIATION
       SUBMILLIMETER WAVES
       TERRESTRIAL RADIATION

FAR ULTRAVIOLET RADIATION
  1404 2310 2402 2903
  SN   (200 TO 2000 ANGSTROMS)
  UF   VACUUM ULTRAVIOLET RADIATION
  GS   ELECTROMAGNETIC RADIATION
       .ULTRAVIOLET RADIATION
       .#FAR ULTRAVIOLET RADIATION
       ...LYMAN ALPHA RADIATION
       ...LYMAN BETA RADIATION
  RT   BREMSSTRAHLUNG
       MAGELLAN ULTRAVIOLET ASTRONOMY
       SATELLITE
       NEAR ULTRAVIOLET RADIATION
     % RADIATION
       ULTRAVIOLET TELESCOPES
       X RAYS

FAR UV SPECTROSCOPIC EXPLORER
  3107
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..EXPLORER SATELLITES
       ..#FAR UV SPECTROSCOPIC EXPLORER

FARADAY DARK SPACE
  0603 1203 2304 2306 2402
  RT   GAS DISCHARGE TUBES
       GLOW DISCHARGES

FARADAY EFFECT
  2306 2307 2310 2402
  UF   FARADAY ROTATION
  GS   ELECTROMAGNETIC PROPERTIES
       #FARADAY EFFECT
  RT   CIRCULATORS (PHASE SHIFT CIRCUITS)
     % EFFECTS
       HALL GENERATORS
       KERR MAGNETOOPTICAL EFFECT
       MAGNETO-OPTICS
       OPTICAL MEASUREMENT
       OPTICAL PROPERTIES
       POLARIZATION (WAVES)
       POLARIZED ELECTROMAGNETIC RADIATION
       ROTATION

FARADAY ROTATION
  USE  FARADAY EFFECT

FARM CROPS
  0409
  GS  #FARM CROPS
      .ALFALFA
      .COFFEE
      .COTTON
```

.FRUITS
.GRAINS (FOOD)
..BARLEY
..CORN
..MILLET
..OATS
..RICE
..SORGHUM
..WHEAT
.HAY
.LEGUMINOUS PLANTS
..SOYBEANS
.POTATOES
.SPINACH
.SUGAR BEETS
.SUGAR CANE
.SUNFLOWERS
.TOMATOES
RT AGRICULTURE
AGRISTARS PROJECT
BOTANY
CROP CALENDARS
CROP DUSTING
CROP GROWTH
CROP INVENTORIES
CROP VIGOR
% CROPS
CURING
EARTH RESOURCES
FARMLANDS
FROST DAMAGE
GRASSES
GRASSLANDS
IRRIGATION
LARGE AREA CROP INVENTORY
EXPERIMENT
LOCUSTS
ORCHARDS
PLANTING
PLANTS (BOTANY)
PLOWING
SEEDS
VINEYARDS

FARMLANDS
0408 1303 1305 1306 1308
UF CROPLANDS
PLOWED FIELDS
GS LAND
#FARMLANDS
RT AGRICULTURE
AGROPHYSICAL UNITS
CROP GROWTH
CROP IDENTIFICATION
CROP INVENTORIES
CROP VIGOR
% CROPS
EARTH RESOURCES
FARM CROPS
GRASSES
GRASSLANDS
HAY
IRRIGATION
LAND USE
PLAINS
PLANTING
PLOWING
REGIONAL PLANNING
RURAL AREAS
RURAL LAND USE
SOD
SUGAR BEETS
SUGAR CANE

FAST FOURIER TRANSFORMATIONS
1902
UF FFT
GS FUNCTIONS (MATHEMATICS)
.FOURIER TRANSFORMATION
.#FAST FOURIER TRANSFORMATIONS
TRANSFORMATIONS (MATHEMATICS)
.INTEGRAL TRANSFORMATIONS
..FOURIER TRANSFORMATION
..#FAST FOURIER TRANSFORMATIONS
RT VORTEX IN CELL TECHNIQUE
WALSH FUNCTION

FAST NEUTRONS
2401 2403
GS NUCLEAR RADIATION
#FAST NEUTRONS
PARTICLES
.ELEMENTARY PARTICLES
..FERMIONS
...NEUTRONS
...#FAST NEUTRONS
.NEUTRAL PARTICLES
..NEUTRONS
..#FAST NEUTRONS
RT BARYONS
NUCLEONS
THERMAL NEUTRONS

FAST NUCLEAR REACTORS
2204
GS NUCLEAR REACTORS
#FAST NUCLEAR REACTORS
..EXPERIMENTAL BREEDER REACTOR 1
..EXPERIMENTAL BREEDER REACTOR 2
..FAST OXIDE REACTORS
..FAST TEST REACTORS
..GAS COOLED FAST REACTORS
..LIQUID METAL FAST BREEDER REACTORS
RT ENRICO FERMI ATOMIC POWER PLANT
NUCLEAR POWER REACTORS

FAST OXIDE REACTORS
2204 2203
GS NUCLEAR REACTORS
.FAST NUCLEAR REACTORS
.#FAST OXIDE REACTORS
RT NUCLEAR POWER REACTORS

FAST TEST REACTORS
2203 2204
GS NUCLEAR REACTORS
.FAST NUCLEAR REACTORS
.#FAST TEST REACTORS
RT % REACTORS

FASTENERS
1504
GS #FASTENERS
.ANCHORS (FASTENERS)
.BOLTS
..ROCK BOLTS
..TIEBOLTS
.LOCKS (FASTENERS)
.NUTS (FASTENERS)
.PINS
.RIVETS
.SCREWS
.WASHERS (SPACERS)
.ZIPPERS
RT ADHESIVES
% BANDS
% BELTS
BRACKETS
CABLES (ROPES)
CHAINS
CLAMPS
CLIPS
CLOSURES
CONNECTORS
COUPLINGS
FITTINGS
HOLDERS
HOOKS
INSERTS
INTERFERENCE FIT
JOINTS (JUNCTIONS)
LATCHES
LINKAGES
LOCKING

LUGS
MOORING
RIBBONS
SLEEVES
SPACERS
% SPIKES
SPLICING
SPLINES
STRAPS
STRUCTURAL MEMBERS
STUDS (STRUCTURAL MEMBERS)
% TAPES
UNIONS (CONNECTORS)
WIRE

FASTING
0408
RT AEROSPACE MEDICINE
DIETS
FOOD INTAKE
HYPOXIA

FAT EMBOLISMS
0404 0405
GS DISEASES
#FAT EMBOLISMS
EMBOLISMS
#FAT EMBOLISMS
RT AEROEMBOLISM
BLOOD VESSELS
CARDIOVASCULAR SYSTEM
HEART DISEASES

FATIGUE (BIOLOGY)
0405 0408
GS #FATIGUE (BIOLOGY)
.AUDITORY FATIGUE
.FLIGHT FATIGUE
.MUSCULAR FATIGUE
RT ASTHENOPIA
% BIOLOGY
DAMAGE
EFFORT
EXHAUSTION
HUMAN FACTORS ENGINEERING
HYPERKINESIA
MASSAGING
% PERFORMANCE
PHYSICAL EXERCISE
STRESS (PHYSIOLOGY)
STRESS (PSYCHOLOGY)
WORK-REST CYCLE
WORKLOADS (PSYCHOPHYSIOLOGY)

FATIGUE (MATERIALS)
0408 1704 2603
UF STRAIN FATIGUE
STRUCTURAL FATIGUE
GS #FATIGUE (MATERIALS)
.ACOUSTIC FATIGUE
.BENDING FATIGUE
.METAL FATIGUE
.STRUCTURAL STRAIN
.THERMAL FATIGUE
.VOLUMETRIC STRAIN
RT BAUSCHINGER EFFECT
CRACK CLOSURE
CRACK GEOMETRY
CRACK PROPAGATION
CRACKING (FRACTURING)
CRACKS
CREEP PROPERTIES
CRYSTAL DISLOCATIONS
CYCLES
DAMAGE
DESTRUCTION
DUCTILITY
% ENDURANCE
FAILURE
FRACTOGRAPHY
FRETTING
FRETTING CORROSION
HARDNESS
% MATERIALS
MECHANICAL PROPERTIES
NOTCH SENSITIVITY
PLASTIC PROPERTIES
RESIDUAL STRENGTH
S-N DIAGRAMS
SHEAR PROPERTIES
SHOT PEENING
STRESS CONCENTRATION
STRESS CYCLES
STRESS RATIO
STRESS RELAXATION
STRESS RELIEVING
STRESSES
STRUCTURAL FAILURE
SURFACE DEFECTS
SYSTEM FAILURES
TEMPERATURE INVERSIONS
THERMAL STRESSES
VIBRATION

FATIGUE DIAGRAMS
USE S-N DIAGRAMS

FATIGUE LIFE
3203 3204
GS LIFE (DURABILITY)
#FATIGUE LIFE
MECHANICAL PROPERTIES
#FATIGUE LIFE
RT ACCELERATED LIFE TESTS
BLOWOUTS
COFFIN-MANSON LAW
COMBINED STRESS
FAILURE ANALYSIS
INTERFERENCE FIT
PALMGREN-MINER RULE
RETIREMENT FOR CAUSE
S-N DIAGRAMS
SERVICE LIFE
SHORT CRACKS
STRESS CYCLES

FATIGUE TESTING MACHINES
1504 3203 3204
RT ACOUSTIC EMISSION
% MACHINERY
% TEST EQUIPMENT

FATIGUE TESTS
3203 3204
RT BENDING
COFFIN-MANSON LAW
CREEP TESTS
DESTRUCTIVE TESTS
FERROGRAPHY
IMPACT TESTING MACHINES
IMPACT TESTS
LOAD TESTS
% MATERIALS TESTS
NOTCH STRENGTH
NOTCH TESTS
RESONANCE TESTING
S-N DIAGRAMS
SPECIMEN GEOMETRY
STATIC TESTS
STRESS CONCENTRATION
STRESS CYCLES
STRESS RATIO
TENSILE TESTS
TESTING TIME
% TESTS
THERMAL CYCLING TESTS
WEIBULL DENSITY FUNCTIONS
WELD TESTS

FATS
0403 0404 1808
GS ORGANIC COMPOUNDS
.LIPIDS
.#FATS
RT ADIPOSE TISSUES

```
    % FOOD
      GREASES
      MYELIN
    % NUTRIENTS
      OILS
      PALMITIC ACID
      SYNTHETIC FOOD

FATTY ACIDS
  0403 1808
  GS   ACIDS
       .CARBOXYLIC ACIDS
       .#FATTY ACIDS
       ...ACETIC ACID
       ....ETHYLENEDIAMINETETRAACETIC
           ACIDS
       ....IODOACETIC ACID
       ...ACETYLSALICYLIC ACID
       ...BENZILIC ACID
       ...BENZOIC ACID
       ...LIPOIC ACID
       ...OLEIC ACID
       ...PALMITIC ACID
       ...PROPIONIC ACID
       ...SEBACIC ACID
       ...VALERIC ACID
       ORGANIC COMPOUNDS
       .CARBOXYLIC ACIDS
       .#FATTY ACIDS
       ...ACETIC ACID
       ....ETHYLENEDIAMINETETRAACETIC
           ACIDS
       ....IODOACETIC ACID
       ...ACETYLSALICYLIC ACID
       ...BENZILIC ACID
       ...BENZOIC ACID
       ...LIPOIC ACID
       ...OLEIC ACID
       ...PALMITIC ACID
       ...PROPIONIC ACID
       ...SEBACIC ACID
       ...VALERIC ACID
  RT % ALIPHATIC COMPOUNDS
       CASTOR OIL
     % NUTRIENTS

FAULT DETECTION
  0701 1504
  GS   DETECTION
       #FAULT DETECTION
  RT   ELECTRONIC EQUIPMENT TESTS
       ENGINE MONITORING INSTRUMENTS
       ERROR DETECTION CODES
       FAILURE ANALYSIS
       FAILURE MODES
       FAULT TOLERANCE
       MAINTENANCE
       RELIABILITY ENGINEERING
       SYSTEM FAILURES

FAULT MECHANICS
  USE  FRACTURE MECHANICS

FAULT TOLERANCE
  3408
  RT   ERROR ANALYSIS
       ERROR DETECTION CODES
       FAIL-SAFE SYSTEMS
       FAILURE ANALYSIS
       FAULT DETECTION
       RELIABILITY ENGINEERING

FAULT TREES
  1306
  GS   TREES (MATHEMATICS)
       #FAULT TREES
  RT   GRAPHS (CHARTS)
       TOPOLOGY

% FAULTS
  1306
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   ELECTRICAL FAULTS
       GEOLOGICAL FAULTS
       LANDFORMS
       MASSIFS
       SEAMOUNTS
       TEST PATTERN GENERATORS

FAUNA
  USE  ANIMALS

FAX
  USE  FACSIMILE COMMUNICATION

FAYALITE
  1704 1806
  GS   IRON COMPOUNDS
       #FAYALITE
       MINERALS
       #FAYALITE
       SILICON COMPOUNDS
       .SILICATES
       .#FAYALITE

FBFM (MODULATION)
  USE  FEEDBACK FREQUENCY MODULATION

FBL CONTROL
  USE  FLY BY LIGHT CONTROL

FBM (MISSILES)
  USE  FLEET BALLISTIC MISSILES

FCC LATTICES
  USE  FACE CENTERED CUBIC LATTICES

FD 2 AIRCRAFT
  0201
  UF   FAIREY DELTA 2 AIRCRAFT
  GS   FAIREY AIRCRAFT
       #FD 2 AIRCRAFT
       JET AIRCRAFT
       #FD 2 AIRCRAFT
       MONOPLANES
       #FD 2 AIRCRAFT
       RESEARCH AIRCRAFT
       #FD 2 AIRCRAFT
       TAILLESS AIRCRAFT
       #FD 2 AIRCRAFT
  RT % AIRCRAFT
       DELTA WINGS

FDL-5 REENTRY VEHICLE
  3105 3501
  GS   LIFTING BODIES
       .LIFTING REENTRY VEHICLES
       .#FDL-5 REENTRY VEHICLE
       REENTRY VEHICLES
       .MANEUVERABLE REENTRY BODIES
       ..LIFTING REENTRY VEHICLES
       ..#FDL-5 REENTRY VEHICLE

FDMA
  USE  FREQUENCY DIVISION MULTIPLE ACCESS

FEAR
  0408 0410
  GS   PHOBIAS
       #FEAR
       ..FEAR OF FLYING
  RT   ANXIETY
       EMOTIONS
       NEUROSES
       PANIC
       PSYCHOSES

FEAR OF FLYING
  0401 0408 0410
  GS   PHOBIAS
       .FEAR
       .#FEAR OF FLYING
  RT   ANXIETY
```

EMOTIONS
NEUROSES

FEASIBILITY
3406
RT COST ANALYSIS
COSTS
EFFICIENCY
ESTIMATING
EVALUATION

FEASIBILITY ANALYSIS
3406 1905 3404
RT COST ANALYSIS
ECONOMIC FACTORS
MANAGEMENT PLANNING
RESEARCH MANAGEMENT
SYSTEMS ANALYSIS
TECHNOLOGY ASSESSMENT

FEATHER RIVER BASIN (CA)
1306 1308
GS LANDFORMS
.STRUCTURAL BASINS
..RIVER BASINS
..#FEATHER RIVER BASIN (CA)
RT CALIFORNIA
RIVERS

FEATHERING
0201
RT PROPELLER BLADES
PROPELLERS

FEATURE EXTRACTION
USE PATTERN RECOGNITION

FEATURE IDENTIFICATION AND LOCATION EXPER
0408
SN (FEATURE IDENTIFICATION AND LOCATION EXPERIMENT)
RT EARTH OBSERVATIONS (FROM SPACE)
IMAGE PROCESSING
PATTERN RECOGNITION
REMOTE SENSING
REMOTE SENSORS
SCENE ANALYSIS
SPACE SHUTTLE PAYLOADS

FECES
0404 0505
GS WASTES
.METABOLIC WASTES
..HUMAN WASTES
..#FECES
RT EXCRETION
PERSPIRATION
URINE

FEDERAL BUDGETS
3402 3406
RT ALLOCATIONS
APPROPRIATIONS
% BUDGETS
CONTRACTS
COST ESTIMATES
FINANCIAL MANAGEMENT
GOVERNMENT PROCUREMENT
PROCUREMENT MANAGEMENT

FEDERAL REPUBLIC OF GERMANY
USE WEST GERMANY

FEDERATIONS
3403
GS ORGANIZATIONS
#FEDERATIONS
..BUREAUS (ORGANIZATIONS)
RT INSTITUTIONS
INTERNATIONAL COOPERATION
NATIONS
TEAMS
UNIONIZATION
UNITED NATIONS

FEED SYSTEMS
0102 0302 2701 2702 2802 2803 2804
RT COLD FLOW TESTS
FEEDING (SUPPLYING)
FUEL TANKS
INTAKE SYSTEMS
PUMPS
% SYSTEMS

FEEDBACK
0201 0702 0802 1003 3405 4001
GS #FEEDBACK
.BIOFEEDBACK
..SENSORY FEEDBACK
.NEGATIVE FEEDBACK
.NONLINEAR FEEDBACK
.POSITIVE FEEDBACK
RT COMPENSATORS
COMPLEXITY
CONTROL THEORY
CYBERNETICS
ELECTROMAGNETIC INTERFERENCE
EMOTIONAL FACTORS
OSCILLATIONS
OSCILLATORS
% SYSTEMS
TRANSFER FUNCTIONS

FEEDBACK AMPLIFIERS
0902 0905 1002 1201
GS AMPLIFIERS
#FEEDBACK AMPLIFIERS
RT DISTRIBUTED FEEDBACK LASERS
NONLINEAR FEEDBACK
OPERATIONAL AMPLIFIERS
OSCILLATORS
PHANTASTRONS
POSITIVE FEEDBACK
POWER AMPLIFIERS
SELF OSCILLATION
SERVOAMPLIFIERS
TRANSISTOR AMPLIFIERS
VOLTAGE AMPLIFIERS

FEEDBACK CIRCUITS
0902 1002
GS CIRCUITS
#FEEDBACK CIRCUITS
RT FEEDFORWARD CONTROL
TRANSFER FUNCTIONS

FEEDBACK CONTROL
0503 0802 1003 1201 2102 3501 4001
UF CLOSED LOOP SYSTEMS
GS AUTOMATIC CONTROL
#FEEDBACK CONTROL
..CASCADE CONTROL
RT ADAPTIVE CONTROL
ADAPTIVE OPTICS
AUTOMATIC FREQUENCY CONTROL
AUTOMATIC GAIN CONTROL
% AUTOMATION
BIOFEEDBACK
% CONTROL
CONTROL EQUIPMENT
CONTROL SYSTEMS DESIGN
CONTROL THEORY
DISTRIBUTED FEEDBACK LASERS
DYNAMIC CONTROL
ELECTRONIC CONTROL
H-INFINITY CONTROL
INVERSE KINEMATICS
KALMAN-SCHMIDT FILTERING
LINEAR QUADRATIC GAUSSIAN CONTROL
LINEAR QUADRATIC REGULATOR
LOOP TRANSFER FUNCTIONS
LOOP TRANSFER RECOVERY
MACHINE LEARNING
MIMO (CONTROL SYSTEMS)
MODEL REFERENCE ADAPTIVE CONTROL

```
        MULTIVARIABLE CONTROL
        NEGATIVE FEEDBACK
        NONLINEAR FEEDBACK
        OBSERVABILITY (SYSTEMS)
        OPTICAL CONTROL
        OPTIMAL CONTROL
        PROPORTIONAL CONTROL
        ROBOT CONTROL
        ROBUSTNESS (MATHEMATICS)
        SAMPLED DATA SYSTEMS
        SERVOCONTROL
        SERVOMECHANISMS
        SISO (CONTROL SYSTEMS)
        STABILITY AUGMENTATION
        TERMINAL CONFIGURED VEHICLE PROGRAM
        TRACKING PROBLEM

FEEDBACK FREQUENCY MODULATION
  0702 0705 1002
  UF    FBFM (MODULATION)
  GS    CODING
        .SIGNAL ENCODING
        ..FREQUENCY MODULATION
        ..#FEEDBACK FREQUENCY MODULATION
        MODULATION
        .FREQUENCY MODULATION
        .#FEEDBACK FREQUENCY MODULATION
  RT    PHASE LOCKED SYSTEMS

FEEDERS
  0705
  SN    (FOR FLUID AND PARTICULATE
        MATERIALS)
  RT    CONVEYORS
        DISPENSERS
        DISTRIBUTORS
        FEEDING (SUPPLYING)
        FUEL SYSTEMS
        INJECTORS
        INTAKE SYSTEMS
        LOADING OPERATIONS
        MATERIALS HANDLING
        MIXERS

FEEDFORWARD CONTROL
  1003 4001
  GS    AUTOMATIC CONTROL
        #FEEDFORWARD CONTROL
  RT    ADAPTIVE CONTROL
      % AUTOMATION
      % CONTROL
        CONTROL THEORY
        FEEDBACK CIRCUITS
        MODEL REFERENCE ADAPTIVE CONTROL
        OPTIMAL CONTROL

FEEDING (SUPPLYING)
  0404 0505 0702 1502 1504 2801 2808
  RT    FEED SYSTEMS
        FEEDERS
        INJECTION
        INPUT
      % LOADING
        MATERIALS HANDLING

FEELINGS
  USE   SENSORY FEEDBACK

FEET (ANATOMY)
  0402
  GS    ANATOMY
        .LIMBS (ANATOMY)
        ..LEG (ANATOMY)
        ..#FEET (ANATOMY)
        APPENDAGES
        .LEG (ANATOMY)
        .#FEET (ANATOMY)

FELDSPARS
  1806
  GS    ALUMINUM COMPOUNDS
        #FELDSPARS
        MINERALS
        #FELDSPARS
        SILICON COMPOUNDS
        .SILICATES
        .#FELDSPARS
  RT    ANDESITE
        ANORTHOSITE
        FELSITE
        IGNEOUS ROCKS

FELLOWSHIP AIRCRAFT
  USE   F-28 TRANSPORT AIRCRAFT

FELSITE
  1306
  GS    ROCKS
        .IGNEOUS ROCKS
        .#FELSITE
  RT    FELDSPARS
        MINERALS
        QUARTZ

FELTS
  1811
  GS    FABRICS
        #FELTS
  RT    WOOL

FEMALES
  0401 0402 0404 0506
  UF    WOMEN
  RT    CHILDREN
        GYNECOLOGY
        HUMAN BEINGS
        MALES
        MENSTRUATION
        SEX
        SEX FACTOR

FEMUR
  0404
  GS    ANATOMY
        .MUSCULOSKELETAL SYSTEM
        ..BONES
        ..#FEMUR
  RT    KNEE (ANATOMY)
        LEG (ANATOMY)

% FENCES
  0102 0705 0709 1109
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    AIRFOIL FENCES
        FENCES (BARRIERS)
        TRACKING STATIONS

FENCES (BARRIERS)
  1108
  RT %  BARRIERS
        BOUNDARIES
      % FENCES
        GATES (OPENINGS)

FERMAT PRINCIPLE
  0710 2306 2310 2402
  RT    ELECTROMAGNETIC WAVE TRANSMISSION
        LIGHT TRANSMISSION
        MULTIPATH TRANSMISSION
        OPTICAL THICKNESS
        VELOCITY

FERMENTATION
  0403 0409 0603
  GS    CHEMICAL REACTIONS
        #FERMENTATION
        METABOLISM
        .ENZYME ACTIVITY
        .#FERMENTATION
  RT    BIOCONVERSION
        BUTYRIC ACID

FERMI LIQUIDS
```

```
  0603 1202 2303 2311
  GS   LIQUIDS
       .CRYOGENIC FLUIDS
       .#FERMI LIQUIDS
  RT   CRYOGENICS

FERMI SURFACES
  0604 1704 2403 2601
  RT   BRILLOUIN ZONES
       CYCLOTRON RESONANCE
       ENERGY LEVELS
       MAGNETORESISTIVITY
     % SURFACES
       TRANSITION PROBABILITIES

FERMI-DIRAC STATISTICS
  1902 3009
  RT   BOSONS
       DEGENERATE MATTER
       FERMIONS
       QUANTUM MECHANICS
       QUANTUM STATISTICS
     % STATISTICS

FERMIONS
  1905 2401 2403
  GS   PARTICLES
       .ELEMENTARY PARTICLES
       .#FERMIONS
       ...BARYONS
       ....HYPERONS
       .....XI HYPERONS
       ....OMEGA-MESONS
       ....RHO-MESONS
       ....SIGMA-MESONS
       ...ETA-MESONS
       ...LEPTONS
       ....ANTINEUTRINOS
       ....MUONS
       ....NEUTRINOS
       .....SOLAR NEUTRINOS
       ...MESON RESONANCE
       ...NEUTRONS
       ....COLD NEUTRONS
       ....FAST NEUTRONS
       ....PHOTONEUTRONS
       ....SOLAR NEUTRONS
       ....THERMAL NEUTRONS
       ...PROTONS
       ....RECOIL PROTONS
       ....SOLAR PROTONS
  RT   FERMI-DIRAC STATISTICS
       PAULI EXCLUSION PRINCIPLE
       QUANTUM STATISTICS
       SUPERSYMMETRY

FERMIUM
  0603 2406
  GS   CHEMICAL ELEMENTS
       .ACTINIDE SERIES
       ..TRANSURANIUM ELEMENTS
       ..#FERMIUM
       .NUCLIDES
       ..ISOTOPES
       ...RADIOACTIVE ISOTOPES
       ....TRANSURANIUM ELEMENTS
       ....#FERMIUM
       METALS
       .ACTINIDE SERIES
       ..TRANSURANIUM ELEMENTS
       ..#FERMIUM

FERRANTI MERCURY COMPUTER
  0801
  GS   DATA PROCESSING EQUIPMENT
       .COMPUTERS
       ..DIGITAL COMPUTERS
       ..#FERRANTI MERCURY COMPUTER

FERRATES
  0603 1804
  GS   IRON COMPOUNDS
       #FERRATES
       ..BARIUM FERRATES

FERRIC IONS
  0603 1804
  GS   IONS
       .METAL IONS
       .#FERRIC IONS
  RT   IRON

FERRIMAGNETIC MATERIALS
  1704 2305 2307
  GS   MAGNETIC MATERIALS
       #FERRIMAGNETIC MATERIALS
  RT   FERROMAGNETIC MATERIALS
     % MATERIALS

FERRIMAGNETISM
  2305 2307
  GS   MAGNETIC PROPERTIES
       #FERRIMAGNETISM
  RT   FERRIMAGNETS
       MAGNONS

FERRIMAGNETS
  2305 2307
  GS   MAGNETS
       #FERRIMAGNETS
  RT   FERRIMAGNETISM
       PERMANENT MAGNETS

FERRITES
  1701 2305 2307
  GS   IRON COMPOUNDS
       #FERRITES
  RT   AUSTENITE
       FERRITIC STAINLESS STEELS
       GADOLINIUM-GALLIUM GARNET
       GYRATORS
       IRON ALLOYS
       MAGNETIC CORES
       MICROSTRUCTURE
       PEARLITE
       SPINEL
       STEELS
       YTTRIUM-ALUMINUM GARNET
       YTTRIUM-IRON GARNET

FERRITIC STAINLESS STEELS
  1701
  GS   ALLOYS
       .IRON ALLOYS
       ..STEELS
       ...STAINLESS STEELS
       ...#FERRITIC STAINLESS STEELS
  RT   CHROMIUM STEELS
       FERRITES
       HEAT TREATMENT
       MAGNETIC PROPERTIES
       MECHANICAL PROPERTIES

FERROALLOYS
  USE  IRON ALLOYS

FERROCENES
  1808 1810
  GS   IRON COMPOUNDS
       #FERROCENES
       ..ALKYLFERROCENE
       ORGANOMETALLIC COMPOUNDS
       #FERROCENES
       ..ALKYLFERROCENE

FERROELECTRICITY
  2304 2307
  GS   ELECTRICAL PROPERTIES
       #FERROELECTRICITY
  RT   ANTIFERROELECTRICITY
       CURIE TEMPERATURE
       DIELECTRIC PROPERTIES
       MICROWAVE SWITCHING

FERROFLUIDS
```

1202 1203 2305 2307
GS LIQUIDS
#FERROFLUIDS
MAGNETIC MATERIALS
.FERROMAGNETIC MATERIALS
.#FERROFLUIDS
RT DISPERSIONS
% FLUIDS
MICROPARTICLES
SUSPENDING (MIXING)
% SUSPENSIONS
WORKING FLUIDS

FERROGRAPHY
1108
RT FATIGUE TESTS
METALLOGRAPHY
WEAR TESTS

FERROMAGNETIC FILMS
2305 2307
GS MAGNETIC MATERIALS
.FERROMAGNETIC MATERIALS
.#FERROMAGNETIC FILMS
THIN FILMS
#FERROMAGNETIC FILMS

FERROMAGNETIC MATERIALS
2305 2307
GS MAGNETIC MATERIALS
#FERROMAGNETIC MATERIALS
..FERROFLUIDS
..FERROMAGNETIC FILMS
..MAGNETITE
..PERMALLOYS (TRADEMARK)
RT FERRIMAGNETIC MATERIALS
MAGNETS
% MATERIALS
PERMANENT MAGNETS
YOKES

FERROMAGNETIC RESONANCE
2305 2309
GS RESONANCE
.MAGNETIC RESONANCE
.#FERROMAGNETIC RESONANCE
RT MAGNETIC FIELDS
PARAMAGNETIC RESONANCE

FERROMAGNETISM
2305 2307
GS MAGNETIC PROPERTIES
#FERROMAGNETISM
RT ANTIFERROMAGNETISM
CURIE TEMPERATURE
CURIE-WEISS LAW
DIAMAGNETISM
ISING MODEL
LANGEVIN FORMULA
MAGNETIC CORES
MAGNETIC DISPERSION
MAGNETS
MAGNONS

FERROUS METALS
1701 1703 1704
GS METALS
#FERROUS METALS
RT ALLOYS
CHEMICAL ELEMENTS
IRON
IRON ISOTOPES
% METALLURGY

FERRY SPACECRAFT
3110
UF SPACE BUSES
GS MANEUVERABLE SPACECRAFT
#FERRY SPACECRAFT
MANNED SPACECRAFT
#FERRY SPACECRAFT
RT ASTRO VEHICLE
CARGO SPACECRAFT
COLUMBUS SPACE STATION
MARS (MANNED REUSABLE SPACECRAFT)
REENTRY VEHICLES
RENDEZVOUS SPACECRAFT
REUSABLE SPACECRAFT
SOFT LANDING SPACECRAFT
SPACE STATIONS

FERTILITY
0404
RT BREEDING (REPRODUCTION)
FERTILIZATION
REPRODUCTION (BIOLOGY)
REPRODUCTIVE SYSTEMS

FERTILIZATION
0404 0409
RT BIRTH
FERTILITY
RECOMBINATION REACTIONS
% REPRODUCTION
SPERMATOZOA

FERTILIZERS
0404 0409 0505
RT AMMONIA
AMMONIUM NITRATES
ASHES
CULTIVATION
PLANTING
UREAS
VEGETATION GROWTH

FET (TRANSISTORS)
USE FIELD EFFECT TRANSISTORS

FETUSES
0402 0404
UF FOETUSES
RT BIRTH
EGGS
EMBRYOLOGY
EMBRYOS
REPRODUCTION (BIOLOGY)
REPRODUCTIVE SYSTEMS

FEVER
0404 0405 0408
RT BODY TEMPERATURE
HYPERTHERMIA
SKIN TEMPERATURE (BIOLOGY)

FEYNMAN DIAGRAMS
2402 2403
GS DIAGRAMS
#FEYNMAN DIAGRAMS
RT ELECTROMAGNETIC INTERACTIONS
MINKOWSKI SPACE
PARTICLE INTERACTIONS
QUANTUM ELECTRODYNAMICS

FFAR ROCKET VEHICLE
USE FOLDING FIN AIRCRAFT ROCKET VEHICLE

FFT
USE FAST FOURIER TRANSFORMATIONS

FGM (MATERIALS)
USE FUNCTIONALLY GRADIENT MATERIALS

FH-1100 HELICOPTER
USE OH-5 HELICOPTER

FIAT AIRCRAFT
0204 0206 0207
GS #FIAT AIRCRAFT
.G-91 AIRCRAFT
.G-95/4 AIRCRAFT
.G-222 AIRCRAFT
RT % AIRCRAFT

FIAT G-91 AIRCRAFT

USE G-91 AIRCRAFT

FIAT G-95/4 AIRCRAFT
USE G-95/4 AIRCRAFT

FIAT G-222 AIRCRAFT
USE G-222 AIRCRAFT

FIBER COMPOSITES
1805
GS COMPOSITE MATERIALS
#FIBER COMPOSITES
..ARAMID FIBER COMPOSITES
..BRAIDED COMPOSITES
..CARBON FIBER REINFORCED PLASTICS
...CARBON-PHENOLIC COMPOSITES
..GLASS FIBER REINFORCED PLASTICS
..WOVEN COMPOSITES
RT ALUMINUM BORON COMPOSITES
ALUMINUM GRAPHITE COMPOSITES
ARAMID FIBERS
BORON FIBERS
BORON REINFORCED MATERIALS
BORON-EPOXY COMPOSITES
BORSIC (TRADENAME)
CARBON FIBERS
CARBON-CARBON COMPOSITES
CERAMIC FIBERS
CHEMICAL VAPOR INFILTRATION
COMPOSITE WRAPPING
DEBONDING (MATERIALS)
FIBER VOLUME FRACTION
FILAMENT WINDING
FUNCTIONALLY GRADIENT MATERIALS
GRAPHITE
GRAPHITE-EPOXY COMPOSITES
HYBRID COMPOSITES
LAMINATES
MATRIX MATERIALS
METAL FIBERS
METAL MATRIX COMPOSITES
MICARTA
POLYMER MATRIX COMPOSITES
PULTRUSION
REINFORCED PLASTICS
REINFORCING FIBERS
REINFORCING MATERIALS
RESIN TRANSFER MOLDING
SHEET MOLDING COMPOUNDS
SUPERHYBRID MATERIALS
THREE DIMENSIONAL COMPOSITES

FIBER OPTICS
0702 2310
RT CASSEGRAIN OPTICS
CRYSTAL OPTICS
ELECTRON TUBES
FLY BY LIGHT CONTROL
GEOMETRICAL OPTICS
GRADIENT INDEX OPTICS
LIGHT TRANSMISSION
OPTICAL FIBERS
% OPTICS
OPTOELECTRONIC DEVICES
PHOTONICS
PHYSICAL OPTICS
SAGNAC EFFECT
SCINTILLATING FIBERS
SMART STRUCTURES
VIDICONS

FIBER ORIENTATION
1507 1704 1811 3202
RT ARAMID FIBERS
BORON FIBERS
CERAMIC FIBERS
COMPOSITE MATERIALS
DYNAMIC RESPONSE
EPOXY MATRIX COMPOSITES
FIBER VOLUME FRACTION
GLASS FIBER REINFORCED PLASTICS
IMPACT LOADS
LAY-UP
MECHANICAL PROPERTIES
% ORIENTATION
REINFORCING FIBERS

FIBER RELEASE
1507
GS RELEASING
#FIBER RELEASE
RT CARBON FIBERS
COMBUSTION PRODUCTS
COMPOSITE MATERIALS
FIBERS
FIRES
GRAPHITE

FIBER STRENGTH
1507 3202 3203
GS MECHANICAL PROPERTIES
#FIBER STRENGTH
RT ARAMID FIBERS
BENDING
BORON FIBERS
CERAMIC FIBERS
COMPRESSIVE STRENGTH
FIBER VOLUME FRACTION
HOOKES LAW
POISSON RATIO
SHEAR STRENGTH
% STRENGTH
TENSILE STRENGTH

FIBER VOLUME FRACTION
GS RATIOS
#FIBER VOLUME FRACTION
RT COMPOSITE MATERIALS
FIBER COMPOSITES
FIBER ORIENTATION
FIBER STRENGTH
REINFORCING FIBERS

FIBERBOARD
USE BOARDS (PAPER)

FIBERGLASS
USE GLASS FIBERS

FIBERS
0403 1507 1704 1804 1805 3202
UF FIBROUS MATERIALS
REFRASIL (TRADEMARK)
GS #FIBERS
.COTTON FIBERS
.HAIR
.LINEN
.METAL FIBERS
.MICROFIBERS
.OPTICAL FIBERS
..SCINTILLATING FIBERS
.REINFORCING FIBERS
..ARAMID FIBERS
..BORON FIBERS
..CARBON FIBERS
.SILK
.SYNTHETIC FIBERS
..ARAMID FIBERS
..CERAMIC FIBERS
..DACRON (TRADEMARK)
..FORTISAN (TRADEMARK)
..GLASS FIBERS
..NYLON (TRADEMARK)
..RAYON
..VYCOR
.WOOL
RT BORON REINFORCED MATERIALS
CARBON FIBER REINFORCED PLASTICS
COMPOSITE MATERIALS
CORDAGE
COTTON
FABRICS
FIBER RELEASE
% FILAMENTS
GLASS FIBER REINFORCED PLASTICS

```
        METAL MATRIX COMPOSITES
        PAPERS
        POLYMERIC FILMS
        REINFORCING MATERIALS
        SLIVERS
        STRANDS
        TEXTILES
        WET SPINNING
        WHISKERS (CRYSTALS)
        YARNS

FIBERS (MATHEMATICS)
  1902
  RT    CANONICAL FORMS
        DIMENSIONAL ANALYSIS
        FUNCTION SPACE
        GROUP THEORY
        HOMOTOPY THEORY
        MANIFOLDS (MATHEMATICS)
        TOPOLOGY

FIBONACCI NUMBERS
  1902
  RT    NUMBER THEORY
      % NUMBERS
        SET THEORY

FIBRILLATION
  0404 0405 0409
  GS    HEART FUNCTION
        #FIBRILLATION
  RT    HEART DISEASES
        MUSCLES
        SEISMOCARDIOGRAPHY

FIBRIN
  0403 0404 0405 1808
  GS    BIOPOLYMERS
        .PROTEINS
        .#FIBRIN
        BODY FLUIDS
        .BLOOD
        .#FIBRIN
        ORGANIC COMPOUNDS
        .PROTEINS
        .#FIBRIN
  RT    BLOOD COAGULATION
        COAGULATION
        FIBRINOGEN
        THROMBIN

FIBRINOGEN
  0403 0404 0405 1808
  GS    BIOPOLYMERS
        .PROTEINS
        ..GLOBULINS
        ..#FIBRINOGEN
        BODY FLUIDS
        .BLOOD
        .#FIBRINOGEN
        ORGANIC COMPOUNDS
        .PROTEINS
        ..GLOBULINS
        ..#FIBRINOGEN
  RT    FIBRIN
        HEMOSTATICS
        HOMEOSTASIS
        THROMBIN

FIBROBLASTS
  0404 0406
  GS    CELLS (BIOLOGY)
        #FIBROBLASTS
  RT    CYTOPLASM
        TENDONS
        TISSUES (BIOLOGY)

FIBROSIS
  0404
  GS    DISEASES
        #FIBROSIS
        ..CYSTIC FIBROSIS
  RT    TISSUES (BIOLOGY)

FIBROUS MATERIALS
  USE   FIBERS

FICKS EQUATION
  0603 2403 3501
  RT    DIFFUSION
        DIFFUSION COEFFICIENT
      % EQUATIONS
        TAFEL LAW

FIDELITY
  USE   ACCURACY

FIDUCIARIES
  3402
  RT    ECONOMICS
        FINANCE
        MANAGEMENT

FIELD ALIGNED CURRENTS
  1302 1307 2304 2307
  GS    ELECTRIC CURRENT
        #FIELD ALIGNED CURRENTS
        ..BIRKELAND CURRENTS
  RT    AERONOMY
        ATMOSPHERIC ELECTRICITY
        EARTH IONOSPHERE
        EARTH MAGNETOSPHERE
        GEOELECTRICITY
        GEOMAGNETIC TAIL
        GEOMAGNETISM
        GEOPHYSICS
        IONOSPHERIC CURRENTS
        LINES OF FORCE
        MAGNETIC FIELD RECONNECTION
        PLASMA CURRENTS
        TELLURIC CURRENTS
        UPPER ATMOSPHERE

FIELD ARMY BALLISTIC MISSILES
  3101
  GS    MISSILES
        .BALLISTIC MISSILES
        .#FIELD ARMY BALLISTIC MISSILES
        ...SUBROC MISSILE
  RT    INTERMEDIATE RANGE BALLISTIC
        MISSILES
        SHORT RANGE BALLISTIC MISSILES

FIELD COILS
  2307
  GS    ELECTRIC COILS
        .MAGNETIC COILS
        .#FIELD COILS
  RT    ELECTROMAGNETS
        HELICAL INDUCERS
        MAGNET COILS

FIELD EFFECT TRANSISTORS
  0903 0905 0906 1002
  UF    CASCODE MOSFET
        FET (TRANSISTORS)
        IGFET
        MESFETS
        MISFETS
        MOSFET
        UNIPOLAR TRANSISTORS
  GS    ELECTRONIC EQUIPMENT
        .SOLID STATE DEVICES
        ..SEMICONDUCTOR DEVICES
        ...TRANSISTORS
        ...#FIELD EFFECT TRANSISTORS
        .....CHARGE FLOW DEVICES
        .....JFET
        .....MODFETS
  RT  % EFFECTS
        HIGH ELECTRON MOBILITY TRANSISTORS
        ION IMPLANTATION
        SOI (SEMICONDUCTORS)

FIELD EMISSION
```

2304 2403 2603
GS EMISSION
.PARTICLE EMISSION
..ELECTRON EMISSION
..#FIELD EMISSION
RT ELECTRIC FIELDS
ELECTRON MICROSCOPES
ELECTRON MICROSCOPY
MAGNETIC FIELDS
SCANNING ELECTRON MICROSCOPY
SECONDARY EMISSION
TRANSMISSION ELECTRON MICROSCOPY
ZENER EFFECT

FIELD INTENSITY METERS
0705 0904 1406
SN (EMPLOY THIS TERM WHEN TYPE OF FIELD INVOLVED IS NOT SPECIFIED--OTHERWISE USE A MORE SPECIFIC TERM)
GS MEASURING INSTRUMENTS
#FIELD INTENSITY METERS
RT ACTINOMETERS
FLUX DENSITY
MAGNETOMETERS
NOISE METERS

FIELD MODE THEORY
2309 2311
RT CAVITY RESONATORS
DIELECTRICS
ELECTROMAGNETIC FIELDS
LASER MODES
OPTICAL RESONATORS
PROPAGATION MODES
% THEORIES

FIELD OF VIEW
3001
GS VIEWING
#FIELD OF VIEW
RT BEARING (DIRECTION)
CONICAL SCANNING
ELEVATION ANGLE
% FIELDS
LOOK ANGLES (TRACKING)
VISUAL FIELDS

FIELD STRENGTH
1309 2304 2307
GS #FIELD STRENGTH
.ELECTRIC FIELD STRENGTH
.MAGNETIC FLUX
RT ACOUSTIC PROPERTIES
DIRECTIVITY
ELECTRIC FIELDS
ELECTRICAL PROPERTIES
ELECTROMAGNETIC FIELDS
FLUX DENSITY
GRAVITATIONAL FIELDS
ISOTROPY
MAGNETIC DIFFUSION
MAGNETIC FIELDS
MAGNETIC PROPERTIES
% ORIENTATION
PERMITTIVITY
% STRENGTH

FIELD THEORY (ALGEBRA)
1902
GS #FIELD THEORY (ALGEBRA)
.CUBIC EQUATIONS
.QUADRATIC EQUATIONS
RT % FIELDS
GREEN'S FUNCTIONS
HOMOMORPHISMS
NONLINEAR EQUATIONS
% THEORIES

FIELD THEORY (PHYSICS)
1902 2306 2402 2403 3009
UF AMBIT
FORCE FIELDS
WIGHTMAN THEORY
GS #FIELD THEORY (PHYSICS)
.CRYSTAL FIELD THEORY
.GRAND UNIFIED THEORY
..UNIFIED FIELD THEORY
.QUANTUM CHROMODYNAMICS
..INSTANTONS
.STRONG INTERACTIONS (FIELD THEORY)
.WEAK INTERACTIONS (FIELD THEORY)
RT ANTENNA RADIATION PATTERNS
ATTRACTION
BOSON FIELDS
CLOSURE LAW
CROSSED FIELDS
DIRAC EQUATION
DISTRIBUTION (PROPERTY)
% DYNAMICS
ELECTROMAGNETIC FIELDS
FAR FIELDS
% FIELDS
FLOW DISTRIBUTION
FLUX (RATE)
FLUX DENSITY
FUNCTION SPACE
GEOMAGNETISM
GRAVITATIONAL FIELDS
GREEN'S FUNCTIONS
LIGHT-CONE EXPANSION
MAGNETIC FIELD INVERSIONS
MAGNETIC FIELDS
MAGNETOSTATIC FIELDS
MANY BODY PROBLEM
MULTIPOLAR FIELDS
NUCLEAR PHYSICS
NULL ZONES
% PHYSICS
POMERANCHUK THEOREM
POTENTIAL FIELDS
PRESSURE DISTRIBUTION
QUANTUM ELECTRODYNAMICS
QUANTUM THEORY
RADIATION DISTRIBUTION
RELATIVITY
SELF CONSISTENT FIELDS
SOUND FIELDS
STRING THEORY
SUPERGRAVITY
SUPERSYMMETRY
TEMPERATURE DISTRIBUTION
TENSORS
% THEORIES
TRAVELING CHARGE
YANG-MILLS FIELDS
YANG-MILLS THEORY
ZERO POINT ENERGY

% FIELDS
0409 1101 1902 2311 3406
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT BOSON FIELDS
ELECTRIC FIELDS
FIELD OF VIEW
FIELD THEORY (ALGEBRA)
FIELD THEORY (PHYSICS)
GRAVITATIONAL FIELDS
MAGNETIC FIELDS
MILITARY AIR FACILITIES
SELF CONSISTENT FIELDS
VISUAL FIELDS

FIGHTER AIRCRAFT
0207 3401
UF INTERCEPTOR AIRCRAFT
GS ATTACK AIRCRAFT
#FIGHTER AIRCRAFT
..ALPHA JET AIRCRAFT
..F-2 AIRCRAFT
..F-4 AIRCRAFT
..F-5 AIRCRAFT
..F-8 AIRCRAFT

..F-9 AIRCRAFT
..F-14 AIRCRAFT
..F-15 AIRCRAFT
..F-16 AIRCRAFT
..F-17 AIRCRAFT
..F-18 AIRCRAFT
..F-20 AIRCRAFT
..F-22 AIRCRAFT
..F-27 AIRCRAFT
..F-84 AIRCRAFT
..F-86 AIRCRAFT
..F-89 AIRCRAFT
..F-94 AIRCRAFT
..F-100 AIRCRAFT
..F-101 AIRCRAFT
..F-102 AIRCRAFT
..F-104 AIRCRAFT
..F-105 AIRCRAFT
..F-106 AIRCRAFT
..F-111 AIRCRAFT
..F-117A AIRCRAFT
..FV-12A AIRCRAFT
..G-91 AIRCRAFT
..G-95/4 AIRCRAFT
..GA-5 AIRCRAFT
..HARRIER AIRCRAFT
..JAGUAR AIRCRAFT
..JET PROVOST AIRCRAFT
..MIG AIRCRAFT
..MIRAGE AIRCRAFT
...MIRAGE 3 AIRCRAFT
..P-51 AIRCRAFT
..P-1127 AIRCRAFT
..P-1154 AIRCRAFT
..SAAB 37 AIRCRAFT
..SCIMITAR AIRCRAFT
..VAMPIRE MK 35 AIRCRAFT
..VJ-101 AIRCRAFT
..YF-12 AIRCRAFT
..YF-16 AIRCRAFT
RT % AIRCRAFT
HIGHLY MANEUVERABLE AIRCRAFT
% INTERCEPTORS
JET AIRCRAFT
% MILITARY AIRCRAFT
% MILITARY AVIATION
MRCA AIRCRAFT
PANAVIA MILITARY AIRCRAFT
SINGLE ENGINE AIRCRAFT
STOVL AIRCRAFT
SUPERSONIC AIRCRAFT
TRAINING AIRCRAFT
V/STOL AIRCRAFT

FIGURE OF MERIT
1406 3501
RT ACCEPTABILITY
% ANALYZING
CRITERIA
EFFICIENCY
EVALUATION
MODULATION TRANSFER FUNCTION
OPTICAL TRANSFER FUNCTION
% PERFORMANCE
Q FACTORS
QUALITY
SELECTION
VALUE

FILAMENT WINDING
1507 3202
UF FILAMENT WOUND CONSTRUCTION
GS WINDING
#FILAMENT WINDING
RT CERAMIC FIBERS
COMPOSITE WRAPPING
FIBER COMPOSITES
ISOTENSOID STRUCTURES
LAMINATES
METAL FIBERS
PREIMPREGNATION

FILAMENT WOUND CONSTRUCTION
USE FILAMENT WINDING

% FILAMENTS
0903 0904 1504 1507 1704 1811
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT BORON FIBERS
CARBON FIBERS
CATHODES
CERAMIC FIBERS
CORDAGE
FIBERS
IONIZERS
REINFORCING MATERIALS
RESISTORS
STRANDS
VORTEX FILAMENTS
WET SPINNING
WHISKERS (CRYSTALS)
WIRE

FILAMENTS (SOLAR PHYSICS)
USE SOLAR PROMINENCES

FILE MAINTENANCE (COMPUTERS)
0803
GS MAINTENANCE
#FILE MAINTENANCE (COMPUTERS)
RT CHECKOUT
COMPUTER PROGRAMMING
COMPUTERS
PROGRAM VERIFICATION (COMPUTERS)
PROGRAMMERS
% PROGRAMMING

% FILES
1504
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT DOCUMENT STORAGE
FILES (TOOLS)

FILES (TOOLS)
1504
GS TOOLS
#FILES (TOOLS)
RT ABRASION
% FILES
SCRAPERS

FILLERS
1704 1805
RT ADDITIVES
% CELLS
DOPES
OPACIFIERS
PAINTS
PIGMENTS
PRIMERS (COATINGS)
REINFORCEMENT (STRUCTURES)
RESINS
SEALERS
SIZING MATERIALS
VARNISHES

FILLETS
0102 1507
RT FAIRINGS
JOINTS (JUNCTIONS)
SEAMS (JOINTS)
WELDING

FILLING
1504 3407
GS #FILLING
.REFILLING
RT ACCUMULATIONS
% CHARGING
EXTENSIONS
INJECTION

INPUT
% LOADING
REPLENISHMENT
SUPPLYING

FILM BOILING
1802 3303
GS PHASE TRANSFORMATIONS
.VAPORIZING
..BOILING
..#FILM BOILING
RT HEAT TRANSFER
LEIDENFROST PHENOMENON
NUCLEATE BOILING

FILM CONDENSATION
1802 3303
GS CONDENSING
#FILM CONDENSATION
RT CONDENSERS (LIQUEFIERS)
COOLING
HEAT TRANSFER

FILM COOLING
1802 3303 3501
GS COOLING
.EVAPORATIVE COOLING
.#FILM COOLING
.LIQUID COOLING
.#FILM COOLING
RT LIQUID INJECTION
SURFACE COOLING
SWEAT COOLING

FILM THICKNESS
1802
GS DIMENSIONS
#FILM THICKNESS
RT ELLIPSOMETRY
THICKNESS

% FILMS
1407 1704 1802 3203
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT COATINGS
CORROSION PREVENTION
ELECTRODE FILM BARRIERS
FABRICS
FLUID FILMS
HELIUM FILM
KAPTON (TRADEMARK)
LAMINATES
LANGMUIR-BLODGETT FILMS
MAGNETIC FILMS
MEMBRANES
METAL FILMS
MONOMOLECULAR FILMS
OXIDE FILMS
PAPERS
PHOTOGRAPHIC FILM
POLYMERIC FILMS
SEMICONDUCTING FILMS
SILICON FILMS
SQUEEZE FILMS
SUPERCONDUCTING FILMS
THERMOPLASTIC FILMS
THICK FILMS
THIN FILMS
VIDEO TAPES
WEBS (SHEETS)

FILTER WHEEL INFRARED SPECTROMETERS
1404 1406 1411 2903 3009
GS MEASURING INSTRUMENTS
.OPTICAL MEASURING INSTRUMENTS
..INFRARED SPECTROMETERS
..#FILTER WHEEL INFRARED SPECTROMETERS
.SPECTROMETERS
..INFRARED SPECTROMETERS
..#FILTER WHEEL INFRARED SPECTROMETERS
OPTICAL EQUIPMENT
.OPTICAL MEASURING INSTRUMENTS
..INFRARED SPECTROMETERS
..#FILTER WHEEL INFRARED SPECTROMETERS
RT EBERT SPECTROMETERS
% FILTERS
INFRARED SPECTROPHOTOMETERS
SOLAR SPECTROMETERS

FILTERGRAMS
0501 1412 1601 2306 2310 3009
RT OPTICAL FILTERS
SOLAR INSTRUMENTS
SOLAR PHYSICS
SOLAR SPECTRA

FILTERING
USE FILTRATION

% FILTERS
0710 0902 0904 0905 1001 1504 2311
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT ABSORBERS (MATERIALS)
ADAPTIVE FILTERS
AIR FILTERS
ATTENUATORS
BANDPASS FILTERS
BANDSTOP FILTERS
BIREFRINGENT FILTERS
CRYSTAL FILTERS
DIGITAL FILTERS
ELECTRIC FILTERS
ELECTROMAGNETIC WAVE FILTERS
ELECTRONIC FILTERS
FILTER WHEEL INFRARED SPECTROMETERS
FIR FILTERS
FLUID FILTERS
HIGH PASS FILTERS
IMAGE FILTERS
KALMAN FILTERS
LINEAR FILTERS
LOW PASS FILTERS
MATCHED FILTERS
MONOCHROMATIC RADIATION
NONLINEAR FILTERS
OPTICAL FILTERS
RADAR FILTERS
RADIO FILTERS
REDUCED ORDER FILTERS
SEPARATORS
SPATIAL FILTERING

FILTRATION
0505 0602 1504 3404 3407
UF FILTERING
GS #FILTRATION
.SPATIAL FILTERING
RT ACTIVATED CARBON
BEDS (PROCESS ENGINEERING)
BENEFICIATION
CONCENTRATING
% CONCENTRATION
CONCENTRATORS
EFFLUENTS
EXTRACTION
FLUID FILTERS
HYDROMETALLURGY
MATERIALS RECOVERY
PERCOLATION
PRECIPITATION (CHEMISTRY)
% SCREENING
% SEPARATION
SEWAGE TREATMENT
SIZE SEPARATION
WATER TREATMENT

FINANCE
3402

RT ACCOUNTING
COMMERCE
FIDUCIARIES
GROSS NATIONAL PRODUCT
INVESTMENTS
MANAGEMENT PLANNING
MARKETING
RISK
WAGE SURVEYS

FINANCIAL MANAGEMENT
3402 3406 4001
GS MANAGEMENT
#FINANCIAL MANAGEMENT
RT AIRCRAFT PRODUCTION COSTS
ALLOCATIONS
BUDGETING
COST ANALYSIS
COST ESTIMATES
COSTS
ECONOMY
FEDERAL BUDGETS
LIFE CYCLE COSTS
PROCUREMENT MANAGEMENT

% FINE
1406 3408
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT FINE STRUCTURE
FINENESS
FINENESS RATIO
FINES

FINE STRUCTURE
1411 2306 2401 2402 2403
UF MULTIPLETS
RT ALPHA DECAY
ATOMIC STRUCTURE
% FINE
HYPERFINE STRUCTURE
LINE SPECTRA
SPECTRAL ENERGY DISTRIBUTION
% STRUCTURES

FINENESS
0101 1406 3408
RT COARSENESS
FINENESS RATIO
PARTICLE SIZE DISTRIBUTION
PURITY
QUALITY
SIZE (DIMENSIONS)
TEXTURES

FINENESS RATIO
0101 1406 3408
GS RATIOS
#FINENESS RATIO
RT ASPECT RATIO
DIMENSIONS
FINENESS
OBLATE SPHEROIDS
SLENDER BODIES
THICKNESS RATIO

FINES
1704 1805
GS PARTICLES
.POWDER (PARTICLES)
.#FINES
RT % FINE
% FLOUR
FRACTIONS
PARTICLE SIZE DISTRIBUTION
% SCREENING

FINGERS
0404
GS ANATOMY
.LIMBS (ANATOMY)
..HAND (ANATOMY)
..#FINGERS
APPENDAGES
.HAND (ANATOMY)
.#FINGERS
RT SENSE ORGANS

FINGERS (ROBOTICS)
USE END EFFECTORS

FINISHES
0602 0604 1504 1704 1802
GS #FINISHES
.ENAMELS
.GLAZES
.LACQUERS
RT CERAMIC COATINGS
COATINGS
CORROSION
DOPES
IMPREGNATING
LUSTER
MACHINING
METALLIZING
PAINTS
PLATING
POLISHING
PRIMERS (COATINGS)
PROTECTIVE COATINGS
SIZING (SURFACE TREATMENT)
SPRAYED COATINGS
SURFACE FINISHING
SURFACE PROPERTIES
VARNISHES
VENEERS
WAXES

FINITE DIFFERENCE THEORY
1902 3501
GS ANALYSIS (MATHEMATICS)
.NUMERICAL ANALYSIS
..APPROXIMATION
..#FINITE DIFFERENCE THEORY
RT CRANK-NICHOLSON METHOD
DIFFERENCE EQUATIONS
DIFFERENCES
ESSENTIALLY NON-OSCILLATORY SCHEMES
EXTRAPOLATION
FLUX VECTOR SPLITTING
GRID GENERATION (MATHEMATICS)
INTERPOLATION
MULTIGRID METHODS
SIGNIFICANCE
% THEORIES
TIME MARCHING
TVD SCHEMES
UPWIND SCHEMES (MATHEMATICS)
VORTEX IN CELL TECHNIQUE

FINITE ELEMENT METHOD
1902 1903 3203 3501
GS ANALYSIS (MATHEMATICS)
.NUMERICAL ANALYSIS
..APPROXIMATION
..#FINITE ELEMENT METHOD
PROCEDURES
#FINITE ELEMENT METHOD
RT % APPLICATIONS OF MATHEMATICS
BOUNDARY VALUE PROBLEMS
CHOLESKY FACTORIZATION
COMPUTATIONAL FLUID DYNAMICS
CONJUGATES
CRANK-NICHOLSON METHOD
FACTORIZATION
FRACTURE MECHANICS
GRID GENERATION (MATHEMATICS)
ISOPARAMETRIC FINITE ELEMENTS
ITERATIVE SOLUTION
MATRICES (MATHEMATICS)
% METHODOLOGY
MINIMAL SURFACES
MULTIGRID METHODS
NASTRAN

PANEL METHOD (FLUID DYNAMICS)
PATCH TESTS
SHAPE FUNCTIONS
SOLID MECHANICS

FINITE IMPULSE RESPONSE FILTERS
USE FIR FILTERS

FINITE VOLUME METHOD
1903 3501
GS ANALYSIS (MATHEMATICS)
.NUMERICAL ANALYSIS
.#FINITE VOLUME METHOD
PROCEDURES
#FINITE VOLUME METHOD
RT BOUNDARY VALUE PROBLEMS
% METHODOLOGY
TVD SCHEMES

FINITE-STATE MACHINES
USE TURING MACHINES

FINLAND
1305
GS NATIONS
#FINLAND
RT EUROPE
FINNISH SPACE PROGRAM
SCANDINAVIA

FINNED BODIES
0102
RT AERODYNAMIC CONFIGURATIONS
% BODIES
BODIES OF REVOLUTION
COOLING FINS
FINS
HEAT EXCHANGERS
MISSILE BODIES
NOSE FINS
PROJECTILES
SYMMETRICAL BODIES

FINNISH SPACE PROGRAM
3009 3409
GS PROGRAMS
.SPACE PROGRAMS
..EUROPEAN SPACE PROGRAMS
..#FINNISH SPACE PROGRAM
RT FINLAND

FINS
0102 2806 2808
UF VERTICAL FINS
GS #FINS
.COOLING FINS
.NOSE FINS
RT AERIAL RUDDERS
AIRFOILS
AIRFRAMES
% BLADES
CONTROL SURFACES
FINNED BODIES
HYDROFOILS
MISSILE COMPONENTS
RUDDERS
SAILS
STABILIZERS (FLUID DYNAMICS)
TAIL ASSEMBLIES
VANES
WINGLETS

FIORDS
1305 1306
GS LANDFORMS
#FIORDS
RT CLIFFS
GEOLOGY
INLETS (TOPOGRAPHY)
NORWAY
OCEANOGRAPHY
WATER

FIR FILTERS
0903
UF FINITE IMPULSE RESPONSE FILTERS
GS ELECTROMAGNETIC WAVE FILTERS
.ELECTRIC FILTERS
..DIGITAL FILTERS
..#FIR FILTERS
RT BANDPASS FILTERS
ELECTRONIC FILTERS
% FILTERS
MICROWAVE FILTERS
RADAR FILTERS
RECURSIVE FUNCTIONS

FIRE (CLIMATOLOGY)
1308 2001 2003
UF FIRST ISCCP REGIONAL EXPERIMENT
GS PROGRAMS
.PROJECTS
.#FIRE (CLIMATOLOGY)
RT CLIMATOLOGY
CLOUD COVER
CLOUDS (METEOROLOGY)
REMOTE SENSING
SATELLITE OBSERVATION

FIRE CONTROL
0203 0603 3301 3404
SN (LIMITED TO CONTROL OF THE FIRING OF WEAPONS--EXCLUDES FIRE PREVENTION AND FIRE FIGHTING)
RT BOMBING EQUIPMENT
% CONTROL
FIRING (IGNITING)
GUNFIRE
GUNNERY TRAINING
RANGE FINDERS
WEAPON SYSTEMS
WEAPONS

FIRE CONTROL CIRCUITS
0902
GS CIRCUITS
#FIRE CONTROL CIRCUITS
RT % CONTROL

FIRE DAMAGE
3301 3305
GS DAMAGE
#FIRE DAMAGE
RT ASHES
CHARRING
COMBUSTION
FIRES
FLAMES
FUMES
SMOKE
SOOT

FIRE EXTINGUISHERS
0203 0603 1504 3301
UF CHEMICAL EXTINGUISHERS
EXTINGUISHERS
RT FIRE FIGHTING
FIRE PREVENTION
FIREBREAKS
FIRES
FLAMMABILITY
FOAMS

FIRE FIGHTING
1103 1106 3501
SN (EXCLUDES FIRE CONTROL--CONTROL OF THE FIRING OF WEAPONS)
RT BREATHING APPARATUS
FIRE EXTINGUISHERS
FIRE PREVENTION
FIREBREAKS
FIRES
FLAMMABILITY
FOAMS

```
FIRE POINT
  3301
  RT   FLAMMABILITY
       FLASH POINT
       SPONTANEOUS COMBUSTION

FIRE PREVENTION
  0603 3301
  SN   (EXCLUDES FIRE CONTROL--CONTROL OF
       THE FIRING OF WEAPONS)
  GS   PREVENTION
       #FIRE PREVENTION
  RT   ACCIDENT PREVENTION
       EXPLOSION SUPPRESSION
       FIRE EXTINGUISHERS
       FIRE FIGHTING
       FIREBREAKS
       FIREPROOFING
       FIRES
       FLAME RETARDANTS
       FOREST FIRES
       HIGH PRESSURE OXYGEN
       SAFETY
       SAFETY DEVICES
       SAFETY MANAGEMENT
       SMOKE DETECTORS
       SPONTANEOUS COMBUSTION
       WARNING
       WARNING SYSTEMS

FIRE RESISTANCE
  USE  FLAMMABILITY

FIRE RETARDANTS
  USE  FLAME RETARDANTS

% FIREBALLS
  3005
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   BOLIDES
       NUCLEAR EXPLOSIONS

FIREBEE 2 TARGET DRONE AIRCRAFT
  0205 0207 3401
  GS   DRONE VEHICLES
       .DRONE AIRCRAFT
       ..TARGET DRONE AIRCRAFT
       ..#FIREBEE 2 TARGET DRONE AIRCRAFT
       LIGHT AIRCRAFT
       #FIREBEE 2 TARGET DRONE AIRCRAFT
       PILOTLESS AIRCRAFT
       .DRONE AIRCRAFT
       ..TARGET DRONE AIRCRAFT
       ..#FIREBEE 2 TARGET DRONE AIRCRAFT
       RESEARCH AIRCRAFT
       #FIREBEE 2 TARGET DRONE AIRCRAFT
       RYAN AIRCRAFT
       #FIREBEE 2 TARGET DRONE AIRCRAFT
       SUPERSONIC AIRCRAFT
       #FIREBEE 2 TARGET DRONE AIRCRAFT
  RT % AIRCRAFT
     % MILITARY AIRCRAFT
       TARGETS
     % WINGED VEHICLES

FIREBREAKS
  3301
  RT   CLEARINGS (OPENINGS)
       COMBUSTION
       CONSERVATION
       FIRE EXTINGUISHERS
       FIRE FIGHTING
       FIRE PREVENTION
       FIRES
       FLAMES
       FOREST FIRES
       FORESTS

FIREFLIES
  0402
  GS   ANIMALS
       .INVERTEBRATES
       ..ARTHROPODS
       ...INSECTS
       ...#FIREFLIES

FIREPROOFING
  0508 0602 0603 3301
  RT   FIRE PREVENTION
       NONFLAMMABLE MATERIALS
       SAFETY

FIRES
  0603 3301
  GS  #FIRES
       .FOREST FIRES
  RT   ACCIDENTS
       BACKFIRE
       BURNS (INJURIES)
       COMBUSTION
       CONTROL SURFACES
       DEFLAGRATION
       EXPLOSIONS
       EXPLOSIVES
       FIBER RELEASE
       FIRE DAMAGE
       FIRE EXTINGUISHERS
       FIRE FIGHTING
       FIRE PREVENTION
       FIREBREAKS
       FIRING (IGNITING)
       FLAMES
       FLASHBACK
       HAZARDS
       SAFETY
       SAINT ELMO FIRE
       WARNING SYSTEMS

FIREWORKS
  USE  PYROTECHNICS

FIRING (IGNITING)
  2808 3102 3301 3302 3407
  GS  #FIRING (IGNITING)
       .ROCKET FIRING
       ..RETROFIRING
       .TEST FIRING
       ..STATIC FIRING
  RT   BURNING TIME
       DETONABLE GAS MIXTURES
       DETONATION
       DRYING
       FIRE CONTROL
       FIRES
       FLAMMABLE GASES
       GUNFIRE
       IGNITION
       STARTING

FIRING TIME
  USE  BURNING TIME

FIRMWARE
  0802
  RT   COMPUTER PROGRAMMING
       HARDWARE
       MICROPROCESSORS
       MICROPROGRAMMING

FIRST AID
  0401 0405
  RT   ACCIDENTS
       CHEMICAL DEFENSE
       CURES
       DISASTERS
       KITS
       MEDICAL EQUIPMENT
       MEDICAL SCIENCE
       MEDICAL SERVICES
       RESUSCITATION
       SPLINTS
       STRETCHERS
       TOURNIQUETS
```

```
      TRANSFUSION

FIRST ISCCP REGIONAL EXPERIMENT
  USE  FIRE (CLIMATOLOGY)

FISCHER-TROPSCH PROCESS
  0602
  RT   CATALYSIS
       CATALYTIC ACTIVITY
       REACTION KINETICS
       SYNTHESIS (CHEMISTRY)
       SYNTHETIC FUELS

FISH
  USE  FISHES

FISHBOWL OPERATION
  3302 3304 3401
  RT   HIGH ALTITUDE TESTS
       NUCLEAR EXPLOSIONS
     % OPERATIONS
       VELA SATELLITES

FISHERIES
  1310
  RT   AQUICULTURE
       ESTUARIES
       FISHES
       FISHING
       MARINE BIOLOGY
       MARINE RESOURCES
       SEA WATER
       SHALLOW WATER
       TIDAL FLATS
       WETLANDS

FISHES
  0402 1310
  UF   FISH
  GS   ANIMALS
       .VERTEBRATES
       .#FISHES
       ...SCHOOLS (FISH)
       ...SHARKS
  RT   AQUICULTURE
       EARTH RESOURCES
       FISHERIES
       FISHING
     % FOOD
       ICHTHYOLOGY
     % NUTRIENTS
       POIKILOTHERMIA
       RED TIDE
       SQUAMA
       WILDLIFE

FISHING
  1310
  RT   FISHERIES
       FISHES
       INDUSTRIES
       SCHOOLS (FISH)

FISHTAILING
  USE  YAW

FISSILE FUELS
  1703 2203 2405
  GS   FUELS
       #FISSILE FUELS
  RT   GASEOUS FISSION REACTORS
       NUCLEAR FUELS
       NUCLEAR REACTORS
       RADIOACTIVE MATERIALS

FISSILE MATERIALS
  USE  FISSIONABLE MATERIALS

FISSION
  2405 2406 3407
  RT   BLANKETS (FISSION REACTORS)
       FUEL PRODUCTION
       NUCLEAR FUELS
       SPLITTING

FISSION ELECTRIC CELLS
  0302 2201 2203
  GS   AUXILIARY POWER SOURCES
       .NUCLEAR AUXILIARY POWER UNITS
       ..SNAP
       ..#FISSION ELECTRIC CELLS
       ....SNAP 2
       ....SNAP 4
       ....SNAP 8
       ....SNAP 10A
       ..SPACE POWER REACTORS
       ..#FISSION ELECTRIC CELLS
       ....SNAP 2
       ....SNAP 4
       ....SNAP 8
       ....SNAP 10A
       NUCLEAR ELECTRIC POWER GENERATION
       .NUCLEAR AUXILIARY POWER UNITS
       ..SNAP
       ..#FISSION ELECTRIC CELLS
       ....SNAP 2
       ....SNAP 4
       ....SNAP 8
       ....SNAP 10A
       ..SPACE POWER REACTORS
       ..#FISSION ELECTRIC CELLS
       ....SNAP 2
       ....SNAP 4
       ....SNAP 8
       ....SNAP 10A
       .NUCLEAR POWER REACTORS
       ..SPACE POWER REACTORS
       ..#FISSION ELECTRIC CELLS
       ....SNAP 2
       ....SNAP 4
       ....SNAP 8
       ....SNAP 10A
       NUCLEAR REACTORS
       .NUCLEAR POWER REACTORS
       ..SPACE POWER REACTORS
       ..#FISSION ELECTRIC CELLS
       ....SNAP 2
       ....SNAP 4
       ....SNAP 8
       ....SNAP 10A
  RT % ELECTRIC CELLS
       RADIOISOTOPE BATTERIES
       SPACE POWER UNIT REACTORS

FISSION PRODUCTS
  2203 2402 2403
  RT   FALLOUT
       HIGH ENERGY INTERACTIONS
       NUCLEAR FISSION
       NUCLEAR PARTICLES
       NUCLEAR PUMPING
       NUCLEAR RADIATION
       PRODUCTS
       RADIOACTIVE MATERIALS
       RADIOACTIVE WASTES
       RADIOACTIVITY

FISSION WEAPONS
  2205 2405 2406 3401
  UF   ATOMIC BOMBS
  GS   WEAPONS
       .NUCLEAR WEAPONS
       .#FISSION WEAPONS
  RT   FALLOUT
       NUCLEAR DEVICES
       THERMONUCLEAR EXPLOSIONS

FISSIONABLE MATERIALS
  1703 1805 2405
  UF   FISSILE MATERIALS
  RT   GASEOUS FISSION REACTORS
     % MATERIALS
       NOZZLE FLOW
       NUCLEAR FUELS
       PLUTONIUM
```

RADIOACTIVE MATERIALS
URANIUM

FISSIUM
1701 1704
GS FUELS
.NUCLEAR FUELS
.#FISSIUM

FISSURES (GEOLOGY)
1306
RT FOLDS (GEOLOGY)
GEOLOGICAL FAULTS
STRUCTURAL PROPERTIES (GEOLOGY)
TECTONICS

FITNESS
0405 0408 0502
GS #FITNESS
.FLIGHT FITNESS
.PHYSICAL FITNESS
RT QUALIFICATIONS

FITTING
1504
RT ADAPTATION
ADJUSTING
ALIGNMENT
ASSEMBLING
FITTINGS
GOODNESS OF FIT
INTERFERENCE FIT
% JOINING
MATCHING
POSITIONING

FITTINGS
1504
RT ACCESSORIES
ADAPTERS
CLOSURES
CONNECTORS
COUPLINGS
EXTENSIONS
FASTENERS
FITTING
INSERTS
JOINTS (JUNCTIONS)
LINKAGES
SLEEVES
U BENDS
UNIONS (CONNECTORS)

FITZGERALD-LORENTZ CONTRACTION
USE LORENTZ CONTRACTION

FIX
USE FIXING

FIXED POINT ARITHMETIC
1902
GS NUMBER THEORY
.ARITHMETIC
.#FIXED POINT ARITHMETIC
RT COMPUTER PROGRAMS
COMPUTERS
DATA PROCESSING

FIXED POINTS (MATHEMATICS)
1902
GS GEOMETRY
.EUCLIDEAN GEOMETRY
..POINTS (MATHEMATICS)
..#FIXED POINTS (MATHEMATICS)
.TOPOLOGY
.#FIXED POINTS (MATHEMATICS)
RT MANIFOLDS (MATHEMATICS)
MAPPING

FIXED WINGS
0104 0202
UF FIXED-WING AIRCRAFT
GS AIRFOILS
.WINGS
.#FIXED WINGS
RT CAMBERED WINGS
CRUCIFORM WINGS
FLEXIBLE WINGS
LOW ASPECT RATIO WINGS
RIGID WINGS
SLENDER WINGS
SWEPT WINGS
THIN WINGS
TWISTED WINGS
UNCAMBERED WINGS
UNSWEPT WINGS

FIXED-WING AIRCRAFT
USE AIRCRAFT CONFIGURATIONS
FIXED WINGS

% FIXING
1407 1504 3404 3407
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
UF FIX
RT MAINTENANCE
NAVIGATION
POSITION (LOCATION)
POSITIONING

FIXTURES
1504
RT BRACKETS
HARDWARE
JIGS
LUMINAIRES
TOOLS

FIZEAU EFFECT
2306 2310 2311
RT DOPPLER EFFECT
DOPPLER-FIZEAU EFFECT
% EFFECTS

FLAGELLATA
0404 0407
GS ANIMALS
.PROTOZOA
.#FLAGELLATA
...EUGLENA
...TRYPANOSOME
MICROORGANISMS
.PROTOZOA
.#FLAGELLATA
...EUGLENA
...TRYPANOSOME

FLAKES
1503 1504 1702 1704 1805 3404
GS PARTICLES
#FLAKES
RT FLAKING
METAL POWDER
POWDER (PARTICLES)

FLAKING
1503 1504 3404
RT ATOMIZING
CHIPPING
COMMINUTION
CUTTING
DISINTEGRATION
FLAKES
FRACTURING
PEELING
% SEPARATION
SPALLING
SPLITTING
WEAR

FLAME CALORIMETERS
1408 3501
GS MEASURING INSTRUMENTS

.CALORIMETERS
.#FLAME CALORIMETERS
RT BOMB CALORIMETERS
DROP CALORIMETERS
HEAT MEASUREMENT
HIGH TEMPERATURE TESTS
TEMPERATURE MEASURING INSTRUMENTS

FLAME DEFLECTORS
2806 2808 3103
GS DEFLECTORS
#FLAME DEFLECTORS
RT BACKFIRE
BAFFLES
BLAST DEFLECTORS
DIVERTERS
FLASHBACK
LAUNCHING PADS
SAFETY DEVICES
SHIELDING
TEST STANDS

FLAME FRONTS
USE FLAME PROPAGATION

FLAME HOLDERS
1504 3301
GS HOLDERS
#FLAME HOLDERS
RT COMBUSTION CHAMBERS
DUMP COMBUSTORS
FLAMEOUT
FLAMES

FLAME INTERACTION
USE CHEMICAL REACTIONS
FLAME PROPAGATION

FLAME IONIZATION
0602 3301
GS IONIZATION
.GAS IONIZATION
.#FLAME IONIZATION

FLAME PLATING
0602 1704 1802
GS PLATING
#FLAME PLATING
RT COATING
WELDING

FLAME PROBES
0601 0602 3301
GS MEASURING INSTRUMENTS
#FLAME PROBES
RT GAS ANALYSIS
MANOMETERS
TEMPERATURE MEASURING INSTRUMENTS

FLAME PROPAGATION
0602 1203 3301 3501
UF CHAPMAN-JOUGET FLAME
COMBUSTION WAVES
FLAME FRONTS
FLAME INTERACTION
GS PROPAGATION (EXTENSION)
#FLAME PROPAGATION
RT BACKFIRE
BOUNDARY LAYER COMBUSTION
BURNING RATE
COMBUSTIBLE FLOW
COMBUSTION
COMBUSTION PHYSICS
DAMKOHLER NUMBER
DETONATION
DETONATION WAVES
EXPLOSIONS
FLAMES
FLAMMABILITY
FLASHBACK
GAS EXPLOSIONS
GAS-METAL INTERACTIONS
IGNITION
PREMIXED FLAMES
PRESSURE OSCILLATIONS
PRESSURE PULSES
% PROPAGATION
REACTING FLOW
TURBULENT COMBUSTION

FLAME QUENCHING
USE EXTINGUISHING
QUENCHING (COOLING)

FLAME RETARDANTS
0508 0602 3301
UF FIRE RETARDANTS
GS RETARDANTS
#FLAME RETARDANTS
RT ANTIMISTING FUELS
FABRICS
FIRE PREVENTION
FLAMMABILITY
IGNITION LIMITS
INORGANIC COMPOUNDS
POLYBROMINATED BIPHENYLS
SYNTHETIC FIBERS

FLAME SPECTROSCOPY
1411
GS SPECTROSCOPY
#FLAME SPECTROSCOPY
SPECTRUM ANALYSIS
#FLAME SPECTROSCOPY
RT EMISSION SPECTRA
GAS SPECTROSCOPY
LINE SPECTRA
OPTOGALVANIC SPECTROSCOPY
QUALITATIVE ANALYSIS
SPECTROSCOPIC ANALYSIS

FLAME SPRAYING
0602 3301
GS SPRAYING
#FLAME SPRAYING
RT COATING
COATINGS
METAL SPRAYING
METALLIZING
PLASMA SPRAYING

FLAME STABILITY
0603 1203 3301 3501
GS DYNAMIC CHARACTERISTICS
.DYNAMIC STABILITY
..COMBUSTION STABILITY
..#FLAME STABILITY
..MOTION STABILITY
...FLOW STABILITY
...#FLAME STABILITY
.FLOW CHARACTERISTICS
..FLOW STABILITY
..#FLAME STABILITY
STABILITY
.DYNAMIC STABILITY
..COMBUSTION STABILITY
..#FLAME STABILITY
..MOTION STABILITY
...FLOW STABILITY
...#FLAME STABILITY
RT FLAMEOUT

FLAME TEMPERATURE
0603 3301
GS TEMPERATURE
#FLAME TEMPERATURE
RT COMBUSTION CHEMISTRY
COMBUSTION TEMPERATURE

FLAMEOUT
2805 3301
UF BLOWOFF (COMBUSTION)
GS EXTINGUISHING
#FLAMEOUT
RT COMBUSTION

```
        COMBUSTION CHAMBERS
        FLAME HOLDERS
        FLAME STABILITY
        GAS TURBINE ENGINES
        JET ENGINES

FLAMES
  2808 3002 3301 3303 3501
  UF    JET FLAMES
        LAMINAR FLAMES
  GS   #FLAMES
        .DIFFUSION FLAMES
        .PREMIXED FLAMES
  RT    COMBUSTION
        FIRE DAMAGE
        FIREBREAKS
        FIRES
        FLAME HOLDERS
        FLAME PROPAGATION
      % FLARES
        FOREST FIRES
        FUELS
        SMOG
        TURBULENT COMBUSTION

FLAMMABILITY
  0603 3301 3408
  UF    COMBUSTIBILITY
        FIRE RESISTANCE
  RT    BURNING RATE
        COMBUSTION
        DETONABLE GAS MIXTURES
        FIRE EXTINGUISHERS
        FIRE FIGHTING
        FIRE POINT
        FLAME PROPAGATION
        FLAME RETARDANTS
        FLAMMABLE GASES
        FLASH POINT
        IGNITION
        IGNITION LIMITS
        IGNITION TEMPERATURE
        PYROPHORIC MATERIALS
      % RESISTANCE
        SPONTANEOUS COMBUSTION

FLAMMABLE GASES
  3301
  UF    EXPLOSIVE GASES
  GS    GASES
        #FLAMMABLE GASES
        ..GASEOUS FUELS
        ..LIQUEFIED NATURAL GAS
        ..PYROGEN
  RT    CHEMICAL EXPLOSIONS
        DETONABLE GAS MIXTURES
        EXPLOSIVES
        FIRING (IGNITING)
        FLAMMABILITY
        GAS EXPLOSIONS
        HAZARDS

FLANGE WRINKLING
  1504 3203
  GS    WRINKLING
        #FLANGE WRINKLING
  RT    BUCKLING

FLANGES
  1504
  RT    CONNECTORS
        METAL PLATES

FLAP CONTROL
  USE   AIRCRAFT CONTROL
        FLAPS (CONTROL SURFACES)

FLAPERONS
  0102
  GS    AIRFOILS
        .AILERONS
        .#FLAPERONS
        .FLAPS (CONTROL SURFACES)
        .#FLAPERONS
        CONTROL SURFACES
        .AILERONS
        .#FLAPERONS
        .FLAPS (CONTROL SURFACES)
        .#FLAPERONS
  RT    AERODYNAMIC BRAKES

FLAPPING
  0101 0201
  RT    AIRFOIL OSCILLATIONS
        FLUTTER
        RESONANT VIBRATION
        ROTOR AERODYNAMICS
        SHAKING
        UNDAMPED OSCILLATIONS
        VIBRATION
        WING OSCILLATIONS

FLAPPING HINGES
  1504
  GS    HINGES
        #FLAPPING HINGES
  RT    ROTARY WINGS
        ROTOR AERODYNAMICS

FLAPS (CONTROL SURFACES)
  0101 0102 0104 1504
  UF    FLAP CONTROL
  GS    AIRFOILS
        #FLAPS (CONTROL SURFACES)
        ..EXTERNALLY BLOWN FLAPS
        ...UPPER SURFACE BLOWN FLAPS
        ..FLAPERONS
        ..JET FLAPS
        ..SPLIT FLAPS
        ..WING FLAPS
        ...LEADING EDGE FLAPS
        ...LEADING EDGE SLATS
        ...TRAILING EDGE FLAPS
        ...VORTEX FLAPS
        CONTROL SURFACES
        #FLAPS (CONTROL SURFACES)
        ..EXTERNALLY BLOWN FLAPS
        ...UPPER SURFACE BLOWN FLAPS
        ..FLAPERONS
        ..JET FLAPS
        ..SPLIT FLAPS
        ..WING FLAPS
        ...LEADING EDGE FLAPS
        ...LEADING EDGE SLATS
        ...TRAILING EDGE FLAPS
        ...VORTEX FLAPS
  RT    AERODYNAMIC BRAKES
        BRAKES (FOR ARRESTING MOTION)
      % CONTROL
        DELAYED FLAP APPROACH
        DRAG DEVICES
        GAW-2 AIRFOIL
        LIFT DEVICES
        SPOILERS
      % SURFACES

FLARE STARS
  3001
  UF    UV CETI STARS
  GS    CELESTIAL BODIES
        .STARS
        ..LATE STARS
        ...COOL STARS
        ...#FLARE STARS
        ..MAIN SEQUENCE STARS
        ...DWARF STARS
        ...#FLARE STARS
        ..VARIABLE STARS
        ..#FLARE STARS
  RT    CATACLYSMIC VARIABLES
        M STARS
        SOLAR FLARES
        STELLAR ACTIVITY
        STELLAR FLARES
        SYMBIOTIC STARS
```

```
FLARED BODIES
  0102 3110
  RT   AFTERBODIES
       AIRCRAFT CONFIGURATIONS
     % FLARES
       SPACECRAFT CONFIGURATIONS
       SYMMETRICAL BODIES

% FLARES
  0203 1101
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   FLAMES
       FLARED BODIES
       ILLUMINATING
       LIGHTING EQUIPMENT
       LUMINAIRES
       PYROTECHNICS
       RUNWAY LIGHTS
       SOLAR FLARES
       SOLAR MAXIMUM MISSION
       SOLAR TERRESTRIAL INTERACTIONS
       STELLAR ACTIVITY
       STELLAR FLARES

% FLASH
  1411 2306 2310 2402 2902 3201 3302
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  UF   LIGHT DURATION
  RT   ELECTRIC DISCHARGES
       EXPLOSIONS
       FLASH WELDING
       FLASHING (VAPORIZING)
       LIGHT (VISIBLE RADIATION)
       RADIOGRAPHY
       SOLAR FLARES

FLASH BLINDNESS
  0405 0408 0411 0508
  GS   BLINDNESS
       #FLASH BLINDNESS
  RT   EYE PROTECTION
       LIGHT ADAPTATION
       VISION

FLASH LAMPS
  0602 3301
  UF   FLASH TUBES
  GS   LIGHTING EQUIPMENT
       .LUMINAIRES
       .#FLASH LAMPS
       ...ALKALI VAPOR LAMPS
  RT   LIGHT SOURCES
       XENON LAMPS

FLASH POINT
  0603 1203 3301 3304 3501
  GS   TEMPERATURE
       .IGNITION TEMPERATURE
       .#FLASH POINT
  RT   COMBUSTION TEMPERATURE
       FIRE POINT
       FLAMMABILITY
       IGNITION
       SPONTANEOUS COMBUSTION
       VAPOR PRESSURE
       VOLATILITY

FLASH TUBES
  USE  FLASH LAMPS

FLASH WELDING
  1504 3404
  GS   WELDING
       .FUSION WELDING
       ..ELECTRIC WELDING
       ..#FLASH WELDING
  RT % FLASH
       PRESSURE WELDING

FLASHBACK
  1203 3301 3501
  RT   BACKFIRE
       COMBUSTION
       DEFLAGRATION
       EXPLOSIONS
       FIRES
       FLAME DEFLECTORS
       FLAME PROPAGATION

FLASHING (VAPORIZING)
  3404
  GS   PHASE TRANSFORMATIONS
       .VAPORIZING
       .#FLASHING (VAPORIZING)
  RT   DISTILLATION
       EVAPORATION
     % FLASH
       PREVAPORIZATION
     % SEPARATION

FLASHOVER
  1002 2304 3301
  GS   ELECTRIC CURRENT
       .ELECTRIC DISCHARGES
       .#FLASHOVER
  RT   ELECTRIC ARCS
       ELECTRIC SPARKS
       ELECTRICAL FAULTS
       FAILURE

FLASKS
  0603
  RT   BOTTLES
       GLASSWARE

FLAT COAXIAL TRANSMISSION LINES
  USE  MICROSTRIP TRANSMISSION LINES

FLAT CONDUCTORS
  0902 0904 0905 2305
  GS   CONDUCTORS
       #FLAT CONDUCTORS
       ..BEAM LEADS
  RT   BUS CONDUCTORS
       CIRCUITS
       CONNECTORS
       ELECTRIC CONNECTORS
       ELECTRIC CONTACTS
       ELECTRIC WIRE
       WIRE
       WIRING

FLAT LAYERS
  1202 1203 3302
  RT   FLATNESS
     % LAYERS
       PLANAR STRUCTURES
       STRATA
       STRATIFICATION

FLAT PATTERNS
  1504
  RT   CASTINGS
       MOLDS

FLAT PLATES
  0101 1202 1504 3202 3203 3303 3501
  GS   STRUCTURAL MEMBERS
       #FLAT PLATES
  RT   ANNULAR PLATES
       BLASIUS EQUATION
       BLASIUS FLOW
       CIRCULAR PLATES
       DYNAMIC STRUCTURAL ANALYSIS
       END PLATES
       FLATNESS
       FLUID MECHANICS
       HEAT TRANSFER
       METAL PLATES
       PANELS
```

PARALLEL PLATES
PLANAR STRUCTURES
PLATE THEORY
% PLATES
PLATES (STRUCTURAL MEMBERS)
RECTANGULAR PLATES
% SHEETS
SLABS
THICK PLATES
THIN PLATES

FLAT SURFACES
0101 1202 1305 1902 3203
UF FACETS
RT COSSERAT SURFACES
FLATNESS
PLANAR STRUCTURES
% SURFACE GEOMETRY
SURFACE PROPERTIES
% SURFACES

FLATNESS
1902 3408
GS SHAPES
#FLATNESS
RT CONCAVITY
CONTOURS
CONVEXITY
ETALONS
FLAT LAYERS
FLAT PLATES
FLAT SURFACES
FLATTENING
INTERFEROMETERS
MECHANICAL PROPERTIES
PLANAR STRUCTURES
ROUGHNESS
% SURFACE GEOMETRY

FLATS (LANDFORMS)
1305 1306
UF ADOBE FLATS
SALT FLATS
GS LANDFORMS
#FLATS (LANDFORMS)
..TIDAL FLATS
RT EARTH RESOURCES
MARSHLANDS
MESAS
PLAINS
SALT BEDS

FLATTENING
1306 1308 1902
RT DUCTILITY
ELLIPTICITY
FLATNESS
LEVELING
METAL WORKING
OBLATE SPHEROIDS
% ROLLING
SMOOTHING

FLATWORMS
0402 0404
GS ANIMALS
.INVERTEBRATES
..WORMS
..#FLATWORMS
RT INFESTATION

FLAVOR (PARTICLE PHYSICS)
2311
RT HADRONS
PARTICLE INTERACTIONS
PARTICLE THEORY
QUANTUM THEORY
QUARK MODELS
QUARKS
THEORETICAL PHYSICS

FLAW DETECTION
USE NONDESTRUCTIVE TESTS

FLAWS
USE DEFECTS

FLEET BALLISTIC MISSILES
3101 3401
UF FBM (MISSILES)
GS MISSILES
.SURFACE TO SURFACE MISSILES
.#FLEET BALLISTIC MISSILES
...POLARIS A1 MISSILE
...POLARIS A2 MISSILE
...POLARIS A3 MISSILE
...POSEIDON MISSILES
...SUBROC MISSILE
RT BALLISTIC MISSILE SUBMARINES
GUIDED MISSILE SUBMARINES
INTERCONTINENTAL BALLISTIC MISSILES
INTERMEDIATE RANGE BALLISTIC
MISSILES
SEA LAUNCHING

FLEET SATELLITE COMMUNICATION SYSTEM
3105
UF FLEETSATCOM
FLTSATCOM
GS TELECOMMUNICATION
.DEFENSE COMMUNICATIONS SATELLITE
SYSTEM
.#FLEET SATELLITE COMMUNICATION
SYSTEM
RT COMMUNICATION SATELLITES
MARISAT SATELLITES
MICROWAVE TRANSMISSION
MILITARY TECHNOLOGY
NASCOM NETWORK
NAVY
RADIO COMMUNICATION
% SYSTEMS
ULTRAHIGH FREQUENCIES

FLEETSATCOM
USE FLEET SATELLITE COMMUNICATION
SYSTEM

FLEXIBILITY
1809 3203 3408
UF NONRIGIDITY
GS MECHANICAL PROPERTIES
#FLEXIBILITY
RT BENDING
ELASTIC PROPERTIES
FLEXING
NONUNIFORMITY
PLASTIC PROPERTIES
% RIGIDITY
SOFTNESS
STIFFNESS
VERSATILITY

FLEXIBLE BODIES
0102 3103 3110 3203
GS #FLEXIBLE BODIES
.FLEXIBLE SPACECRAFT
RT % BODIES
HYBRID STRUCTURES
INFLATABLE STRUCTURES

FLEXIBLE SPACECRAFT
3107
GS AEROSPACE VEHICLES
#FLEXIBLE SPACECRAFT
FLEXIBLE BODIES
#FLEXIBLE SPACECRAFT
RT ARTIFICIAL SATELLITES
DISPLACEMENT
ELASTIC DEFORMATION
FLEXING
LARGE SPACE STRUCTURES
SATELLITE CONTROL
SATELLITE ORIENTATION
SATELLITE ROTATION

SHAPE CONTROL
% SPACECRAFT
SPACECRAFT CONTROL
SPACECRAFT MOTION
STRUCTURAL VIBRATION
VIBRATION DAMPING

FLEXIBLE WINGS
0104
UF ROGALLO WINGS
GS AIRFOILS
.WINGS
.#FLEXIBLE WINGS
...PARAWINGS
RT FIXED WINGS
GLIDERS
HANG GLIDERS
INFINITE SPAN WINGS
INFLATABLE STRUCTURES
RIGID WINGS
THIN WINGS
TWISTED WINGS
XV-8A AIRCRAFT

FLEXING
3203
UF FLEXURE
RT BENDING
CAMBER
% CHAMBERS
CURVATURE
DEFLECTION
DEFORMATION
DISTORTION
FLEXIBILITY
FLEXIBLE SPACECRAFT
FOLDING
HEAVING
LOADING MOMENTS

FLEXORS
0404
GS ANATOMY
.MUSCULOSKELETAL SYSTEM
..MUSCLES
..#FLEXORS
RT JOINTS (ANATOMY)

FLEXOWRITERS (TRADEMARK)
USE AUTOMATIC TYPEWRITERS

FLEXURE
USE FLEXING

FLICKER
0408 0702 2306 2310
RT CRITICAL FLICKER FUSION
LIGHT TRANSMISSION

FLICKER FUSION FREQUENCY
USE CRITICAL FLICKER FUSION

% FLIGHT
0201 3004 3007
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
UF FLYING
HIGH ALTITUDE FLIGHT
HIGH SPEED FLIGHT
RT AERODYNAMICS
% AERONAUTICS
BALLOON FLIGHT
CLIMBING FLIGHT
COASTING FLIGHT
CRUISING FLIGHT
FLIGHT ALTITUDE
FLIGHT CONTROL
FLIGHT MECHANICS
FLIGHT OPTIMIZATION
FLIGHT PATHS
FLIGHT SAFETY
FLIGHT TESTS
FLIGHT TIME
FREE FLIGHT
GLIDING
HORIZONTAL FLIGHT
HYPERSONIC FLIGHT
LONG DURATION SPACE FLIGHT
LUNAR FLIGHT
METEOROLOGICAL FLIGHT
PARABOLIC FLIGHT
ROCKET FLIGHT
SOARING
SPACE FLIGHT
STEERING
SUBORBITAL FLIGHT
SUPERSONIC FLIGHT
TRAJECTORIES
TRANSITION FLIGHT
TRANSOCEANIC FLIGHT
TRANSONIC FLIGHT
TURNING FLIGHT
VERTICAL FLIGHT
VISUAL FLIGHT

FLIGHT ALTITUDE
0201 3006
GS ALTITUDE
#FLIGHT ALTITUDE

RT AIR TRAFFIC CONTROL
CEILING (AIRCRAFT CAPABILITY)
MIDALTITUDE

FLIGHT CHARACTERISTICS
0101 0201
UF FLIGHT PERFORMANCE
FLYING QUALITIES
GS #FLIGHT CHARACTERISTICS
.FLIGHT ENVELOPES
RT AERODYNAMICS
AIRCRAFT MANEUVERS
AIRCRAFT PERFORMANCE
AIRCRAFT SPECIFICATIONS
AIRSPEED
BUFFETING
CEILING (AIRCRAFT CAPABILITY)
% CHARACTERISTICS
CONTROLLABILITY
FLUTTER
HELICOPTER PERFORMANCE
HIGHLY MANEUVERABLE AIRCRAFT
LOW SPEED STABILITY
MANEUVERABILITY
% PERFORMANCE
QUALITY

FLIGHT CLOTHING
0203 0507 0508 3104
GS CLOTHING
#FLIGHT CLOTHING
RT COVERALLS
GARMENTS
GOGGLES
HELMETS
PRESSURE SUITS
PROTECTIVE CLOTHING

FLIGHT COMPUTERS
USE AIRBORNE/SPACEBORNE COMPUTERS

FLIGHT CONDITIONS
0101 2003
GS CONDITIONS
#FLIGHT CONDITIONS
RT AIRCRAFT ICING
AVIATION METEOROLOGY
CLOUD COVER
INSTRUMENT FLIGHT RULES
METEOROLOGICAL SERVICES
STORMS (METEOROLOGY)
VISUAL FLIGHT
WEATHER FORECASTING

FLIGHT CONTROL

0201 1402 1410 2102
GS #FLIGHT CONTROL
.AUTOMATIC FLIGHT CONTROL
..AUTOMATIC LANDING CONTROL
.FLY BY LIGHT CONTROL
.FLY BY TUBE CONTROL
.FLY BY WIRE CONTROL
.POINTING CONTROL SYSTEMS
..ANNULAR SUSPENSION AND POINTING SYSTEM
.THRUST VECTOR CONTROL
RT AEROBATICS
AIR TRAFFIC CONTROL
AIRCRAFT CONTROL
AIRCRAFT INSTRUMENTS
AIRCRAFT SURVIVABILITY
ATTITUDE CONTROL
ATTITUDE INDICATORS
AUTOMATED EN ROUTE ATC
AUTOMATIC CONTROL
AUTOMATIC PILOTS
% CONTROL
CONTROL CONFIGURED VEHICLES
CONTROL STABILITY
CONTROL STICKS
CONTROL SURFACES
DISPLAY DEVICES
ENTRY GUIDANCE (STS)
FLIGHT CHARACTERISTICS
FLIGHT MANAGEMENT SYSTEMS
GROUND BASED CONTROL
GROUND SUPPORT EQUIPMENT
GUIDANCE (MOTION)
HELICOPTER CONTROL
IN-FLIGHT MONITORING
INSTRUMENT APPROACH
INSTRUMENT LANDING SYSTEMS
MANEUVERABILITY
MANEUVERS
MISSILE CONTROL
NAVIGATION
NAVIGATION AIDS
NAVIGATION INSTRUMENTS
RADIO NAVIGATION
REMOTE CONTROL
ROCKET ENGINE CONTROL
SOLAR COMPASSES
SPACECRAFT CONTROL
STABILITY AUGMENTATION
TURBOJET ENGINE CONTROL

FLIGHT CREWS
0502
UF AIRCREWS
GS PERSONNEL
.CREWS
.#FLIGHT CREWS
...SPACECREWS
.FLYING PERSONNEL
.#FLIGHT CREWS
...SPACECREWS
RT AIRCRAFT PILOTS
CREW PROCEDURES (INFLIGHT)
CREW PROCEDURES (PREFLIGHT)
CREW SIZE
FLIGHT FATIGUE
NAVIGATORS
PILOTS (PERSONNEL)

FLIGHT ENVELOPES
0101 0201
GS FLIGHT CHARACTERISTICS
#FLIGHT ENVELOPES
RT AERODYNAMIC CHARACTERISTICS
AERODYNAMIC STABILITY
AIRCRAFT CONTROL
AIRCRAFT MANEUVERS
AIRCRAFT PERFORMANCE
AIRCRAFT STABILITY
% ENVELOPES
FLIGHT TESTS
HELICOPTER PERFORMANCE
MANEUVERABILITY

FLIGHT FATIGUE
0401 0408
GS FATIGUE (BIOLOGY)
#FLIGHT FATIGUE
RT AEROSPACE MEDICINE
FLIGHT CREWS
% FLIGHT STRESS
FLIGHT STRESS (BIOLOGY)
PILOT PERFORMANCE

FLIGHT FITNESS
0401 0408 0502
GS FITNESS
#FLIGHT FITNESS
RT % FLIGHT STRESS
FLYING PERSONNEL
PHYSICAL EXAMINATIONS
PHYSICAL FITNESS

FLIGHT HAZARDS
0201 0203 3104
GS HAZARDS
#FLIGHT HAZARDS
..METEOROID HAZARDS
RT AIR PIRACY
AIR TRAFFIC
AIRCRAFT ACCIDENTS
AIRCRAFT HAZARDS
AIRCRAFT ICING
AIRCRAFT SAFETY
AIRCRAFT SPIN
AVIATION METEOROLOGY
BIRD-AIRCRAFT COLLISIONS
BIRDS
COLLISIONS
CRASH LANDING
CRASHES
DESTRUCTION
DOWNBURSTS
MICROBURSTS (METEOROLOGY)
MIDAIR COLLISIONS
NOISE (SOUND)
OPERATIONAL HAZARDS
TOXIC HAZARDS
WEATHER

FLIGHT INSTRUMENTS
1402 1410
GS #FLIGHT INSTRUMENTS
.APPROACH INDICATORS
.ATTITUDE INDICATORS
..GYRO HORIZONS
.AUTOMATIC PILOTS
.FLIGHT TEST INSTRUMENTS
.HORIZON SCANNERS
.RADIO ALTIMETERS
RT AIR NAVIGATION
AIRBORNE EQUIPMENT
AIRCRAFT CONTROL
AIRCRAFT EQUIPMENT
AIRCRAFT INSTRUMENTS
ALTIMETERS
BUBBLE TECHNIQUE
COMPASSES
DISPLAY DEVICES
ENGINE CONTROL
ENGINE MONITORING INSTRUMENTS
HEAD-UP DISPLAYS
INSTRUMENT APPROACH
INSTRUMENT FLIGHT RULES
INSTRUMENT LANDING SYSTEMS
% INSTRUMENTS
LANDING INSTRUMENTS
LIGHT AIRBORNE MULTIPURPOSE SYSTEM
MEASURING INSTRUMENTS
NAVIGATION INSTRUMENTS
NIGHT FLIGHTS (AIRCRAFT)
ONBOARD EQUIPMENT
POSITION INDICATORS
RADAR
RADIO DIRECTION FINDERS

RATE OF CLIMB INDICATORS
RECORDING INSTRUMENTS
SATELLITE INSTRUMENTS
SOLAR COMPASSES
SPACECRAFT INSTRUMENTS
SPACECRAFT POSITION INDICATORS
SPEED INDICATORS
STAR TRACKERS
TERCOM

FLIGHT LOAD RECORDERS
1402 1406 1410 3501
GS MEASURING INSTRUMENTS
#FLIGHT LOAD RECORDERS
RECORDING INSTRUMENTS
#FLIGHT LOAD RECORDERS
RT STRAIN GAGES

FLIGHT MANAGEMENT SYSTEMS
0801
GS MANAGEMENT SYSTEMS
#FLIGHT MANAGEMENT SYSTEMS
RT AIR NAVIGATION
AIR TRAFFIC CONTROL
AIRBORNE/SPACEBORNE COMPUTERS
AUTOMATIC FLIGHT CONTROL
AUTOMATIC LANDING CONTROL
AVIONICS
COMPUTER TECHNIQUES
FLIGHT CONTROL
GROUND BASED CONTROL
NAVIGATION AIDS
ONBOARD DATA PROCESSING
SYSTEMS ENGINEERING

FLIGHT MECHANICS
0201
RT AERODYNAMICS
ASCENT TRAJECTORIES
DESCENT TRAJECTORIES
% MECHANICS (PHYSICS)
MISSILE TRAJECTORIES
ORBIT CALCULATION
ORBIT DECAY
ORBITAL MECHANICS
% PLATFORMS
REENTRY TRAJECTORIES
RENDEZVOUS
RENDEZVOUS TRAJECTORIES
SPACE FLIGHT
SPACE MECHANICS
SPACECRAFT REENTRY
SPACECRAFT TRAJECTORIES
THRUST PROGRAMMING
TRAJECTORIES
TRAJECTORY MEASUREMENT
TRAJECTORY OPTIMIZATION

FLIGHT NURSES
0401 0405
GS PERSONNEL
.MEDICAL PERSONNEL
.#FLIGHT NURSES
RT CREWS

FLIGHT OPERATIONS
1103
GS #FLIGHT OPERATIONS
.CREW PROCEDURES (INFLIGHT)
RT AIRCRAFT MAINTENANCE
CREW PROCEDURES (PREFLIGHT)
GROUND HANDLING
ONBOARD EQUIPMENT
REFUELING

FLIGHT OPTIMIZATION
0201 3006
GS OPTIMIZATION
#FLIGHT OPTIMIZATION
RT BURNING TIME
EARTH-VENUS TRAJECTORIES
GREAT CIRCLES
ORBITAL MECHANICS
ORBITS
PARKING ORBITS
SPACE FLIGHT
THRUST PROGRAMMING
TRAJECTORIES
TRAJECTORY OPTIMIZATION

FLIGHT PATHS
0201 1904 3006
GS #FLIGHT PATHS
.GLIDE PATHS
RT AIR NAVIGATION
AIR TRAFFIC
AIR TRAFFIC CONTROL
AIRCRAFT INSTRUMENTS
AIRCRAFT MANEUVERS
AIRSPACE
APPROACH
APPROACH CONTROL
AREA NAVIGATION
CAUSTIC LINES
CLIMBING FLIGHT
COLLISION AVOIDANCE
COLLISIONS
DELAYED FLAP APPROACH
DESCENT
% DRIFT
GLIDING
GLOBAL POSITIONING SYSTEM
GREAT CIRCLES
GROUND TRACKS
GUIDANCE (MOTION)
HORIZONTAL FLIGHT
MISSILE TRAJECTORIES
NATIONAL AIRSPACE UTILIZATION
SYSTEM
NAVIGATION
NAVIGATION AIDS
ORBITS
% PATHS
REENTRY
ROCKET FLIGHT
SATELLITE GROUND TRACKS
SOLAR COMPASSES
SWATH WIDTH
TACAN
TRAJECTORIES
TURNING FLIGHT
UNCONTROLLED REENTRY (SPACECRAFT)
VERTICAL FLIGHT
VISUAL FLIGHT

FLIGHT PERFORMANCE
USE FLIGHT CHARACTERISTICS

FLIGHT PLANS
0201 1106 3409
RT AIR NAVIGATION
AIR TRAFFIC
AIR TRAFFIC CONTROL
APPROACH
INSTRUMENT FLIGHT RULES
NATIONAL AIRSPACE UTILIZATION
SYSTEM
% PLANS
ROUTES
THRUST PROGRAMMING
WEATHER

FLIGHT RECORDERS
0707 1402 1410
GS AIRCRAFT INSTRUMENTS
#FLIGHT RECORDERS
MEASURING INSTRUMENTS
#FLIGHT RECORDERS
RECORDING INSTRUMENTS
#FLIGHT RECORDERS

FLIGHT RULES
0203 0502 1101 1402
GS RULES
#FLIGHT RULES

```
        ..INSTRUMENT FLIGHT RULES
        ..VISUAL FLIGHT RULES
  RT    AIR NAVIGATION
        AIR TRAFFIC CONTROL
        COLLISION AVOIDANCE
        NATIONAL AIRSPACE UTILIZATION
        SYSTEM
        NATIONAL AVIATION SYSTEM
        NOISE REDUCTION

FLIGHT SAFETY
  0203 0508 3104
  GS    SAFETY
        #FLIGHT SAFETY
  RT    AEROSPACE SAFETY
        AIR PIRACY
        AIR TRAFFIC CONTROL
        AIRCRAFT ACCIDENTS
        AIRCRAFT APPROACH SPACING
        AIRCRAFT HAZARDS
        AIRCRAFT ICING
        AIRCRAFT SAFETY
        AIRCRAFT SPIN
        ALL-WEATHER LANDING SYSTEMS
        AVIATION METEOROLOGY
        COLLISION AVOIDANCE
        CRASHES
        CRASHWORTHINESS
        DESTRUCTION
      % FLIGHT
      % FLIGHT STRESS
        FLYING EJECTION SEATS
        MIDAIR COLLISIONS
        ONBOARD EQUIPMENT
        SAFETY DEVICES
        SELF SEALING
        VISUAL FLIGHT

FLIGHT SIMULATION
  0502 1106 1107 1108 3501 4001 9001
  GS    SIMULATION
        #FLIGHT SIMULATION
  RT    ACOUSTIC SIMULATION
        ALTITUDE SIMULATION
        ANALOG SIMULATION
        COMPUTERIZED SIMULATION
        CONTROL SIMULATION
        ENVIRONMENT SIMULATION
        LANDING SIMULATION
        MOTION SIMULATION
        SPACE ENVIRONMENT SIMULATION
        SPACE FLIGHT
        SYSTEMS SIMULATION
        TRAINING SIMULATORS
        VIRTUAL REALITY
        WEIGHTLESSNESS SIMULATION

FLIGHT SIMULATORS
  1107 3501
  GS    SIMULATORS
        .TRAINING SIMULATORS
        .#FLIGHT SIMULATORS
        ...COCKPIT SIMULATORS
  RT    ATMOSPHERIC ENTRY SIMULATION
        CENTRIFUGES
        CONTROL SIMULATION
        CRYOGENIC WIND TUNNELS
        LANGLEY COMPLEX COORDINATOR
        LUNAR ORBIT AND LANDING SIMULATORS
      % MISSILE SIMULATORS
        MOTION SIMULATION
        MOTION SIMULATORS
        PILOT TRAINING
        SPACE ENVIRONMENT SIMULATION
        SPACE SIMULATORS
        TEST FACILITIES
        TRAINING DEVICES
        WIND TUNNELS

FLIGHT STABILITY TESTS
  0101 0104 0201
  GS    FLIGHT TESTS
        #FLIGHT STABILITY TESTS
        STABILITY TESTS
        #FLIGHT STABILITY TESTS
  RT    AERODYNAMIC STABILITY
      % TESTS

% FLIGHT STRESS
  0401 0408 3104 3203
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    FLIGHT FATIGUE
        FLIGHT FITNESS
        FLIGHT SAFETY
        HUMAN FACTORS ENGINEERING
        SPACE FLIGHT STRESS
        STRESS ANALYSIS
        STRESSES

FLIGHT STRESS (BIOLOGY)
  0401 0408
  SN    (EXCLUDES MECHANICAL STRESS AND
        AND STRAIN)
  GS   #FLIGHT STRESS (BIOLOGY)
        .SPACE FLIGHT STRESS
  RT    ACCELERATION (PHYSICS)
        BIOLOGICAL EFFECTS
      % BIOLOGY
        FLIGHT FATIGUE
        JET LAG
        PHYSIOLOGICAL FACTORS
        PSYCHOLOGICAL FACTORS
        STRESS (PHYSIOLOGY)
        STRESS (PSYCHOLOGY)
        WEIGHTLESSNESS

FLIGHT SURGEONS
  0401
  GS    PERSONNEL
        .MEDICAL PERSONNEL
        ..SURGEONS
        ..#FLIGHT SURGEONS

FLIGHT TECHNICAL ERROR
  USE   PILOT ERROR

FLIGHT TEST INSTRUMENTS
  1106 1108 1406 3501
  GS    FLIGHT INSTRUMENTS
        #FLIGHT TEST INSTRUMENTS
  RT    AIRCRAFT INSTRUMENTS
        ROCKET-BORNE INSTRUMENTS
        SPACECRAFT INSTRUMENTS

FLIGHT TEST VEHICLES
  1106 1108 3501
  GS    TEST VEHICLES
        #FLIGHT TEST VEHICLES
  RT  % AIRCRAFT
        LAUNCH VEHICLES
        MISSILES
        RESEARCH AIRCRAFT
      % SPACECRAFT
      % VEHICLES

FLIGHT TESTS
  0201 1108 1505 4001
  GS   #FLIGHT TESTS
        .FLIGHT STABILITY TESTS
        .SPACE TRANSPORTATION SYSTEM
         FLIGHTS
        ..SPACE TRANSPORTATION SYSTEM 1
          FLIGHT
        ..SPACE TRANSPORTATION SYSTEM 2
          FLIGHT
        ..SPACE TRANSPORTATION SYSTEM 3
          FLIGHT
        ..SPACE TRANSPORTATION SYSTEM 4
          FLIGHT
  RT    AIR START
        AIRCRAFT DESIGN
        ALTITUDE TESTS
        CERTIFICATION
```

```
      DAST PROGRAM
      DOWNRANGE
      DYNAMIC TESTS
      ENGINE TESTS
      FLIGHT ENVELOPES
      FREE FLIGHT TEST APPARATUS
      FULL SCALE TESTS
      GROUND TESTS
      HIGH ALTITUDE TESTS
      HIGHLY MANEUVERABLE AIRCRAFT
      IN-FLIGHT MONITORING
      MISSILE DESIGN
      MISSILE TESTS
      POSTMISSION ANALYSIS (SPACECRAFT)
      SPACE ELECTRIC ROCKET TESTS
      STABILITY TESTS
    % TESTS
      VIBRATION TESTS
      WING FLOW METHOD TESTS

FLIGHT TIME
  0201 1904 3006 3110
  GS   TIME
       #FLIGHT TIME
  RT   AIR TRAFFIC CONTROL
       BURNING TIME
       TESTING TIME
       TRAJECTORIES
       TRANSIT TIME
       TURNAROUND (STS)
       WINDOWS (INTERVALS)

FLIGHT TRAINING
  0408 0502 3401
  GS   EDUCATION
       #FLIGHT TRAINING
       ..SPACE FLIGHT TRAINING
  RT   ASTRONAUT TRAINING
       EJECTION TRAINING
       FLYING PERSONNEL
       PILOT TRAINING
       TRAINING SIMULATORS

% FLIGHT VEHICLES
  0201 3110
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   AIRCRAFT CONFIGURATIONS
       GROUND EFFECT MACHINES
       HYPERSONIC VEHICLES
       LUNAR FLYING VEHICLES
       MISSILES
       REENTRY VEHICLES
       RESEARCH VEHICLES
       ROCKET VEHICLES
     % VEHICLES

FLINT
  1806
  GS   CHALCOGENIDES
       .OXIDES
       ..DIOXIDES
       ..#FLINT
       SILICON COMPOUNDS
       #FLINT
  RT   QUARTZ

FLIP-FLOPS
  0801 0902 1001 1201 1504
  UF   BISTABLE AMPLIFIERS
  GS   CIRCUITS
       .BISTABLE CIRCUITS
       .#FLIP-FLOPS
       .MULTIVIBRATORS
       .#FLIP-FLOPS
  RT   COMPUTER STORAGE DEVICES
       DATA STORAGE
       FLUID SWITCHING ELEMENTS
       FLUIDIC CIRCUITS
       OSCILLATORS

FLIR DETECTORS
  1404
  UF   FORWARD LOOKING INFRARED DETECTORS
  GS   MEASURING INSTRUMENTS
       .RADIATION MEASURING INSTRUMENTS
       ..INFRARED INSTRUMENTS
       ...INFRARED DETECTORS
       ...#FLIR DETECTORS
  RT % DETECTORS
       INFRARED RADAR
     % SENSORS

FLOAT ZONES
  0602
  RT   CRYSTAL GROWTH
       MELTS (CRYSTAL GROWTH)
       SILICON
       SOLAR CELLS
       SPACE PROCESSING
       ZONE MELTING

FLOATING
  3407
  RT   BALLAST (MASS)
       BUOYANCY
       FLOATS

FLOATING POINT ARITHMETIC
  0802 0902
  GS   NUMBER THEORY
       .ARITHMETIC
       .#FLOATING POINT ARITHMETIC
  RT   COMPUTER PROGRAMS
       COMPUTERS
       DATA PROCESSING

FLOATS
  0203 3202
  UF   FLOTATION SYSTEMS
  RT   BALLAST (MASS)
       BUOYS
       EMERGENCY LIFE SUSTAINING SYSTEMS
       FLOATING
       INFLATABLE STRUCTURES
       LANDING GEAR
       LIFE RAFTS
       RAFTS
       SEPARATORS

FLOCCULATING
  0602 0603
  RT   AGGLOMERATION
       COAGULATION
       COALESCING
       COLLOIDING
       CONCENTRATING
       FLOTATION
       PRECIPITATION (CHEMISTRY)
       SETTLING
       WATER TREATMENT

FLOOD CONTROL
  1308
  RT   CANALS
     % CONTROL
       DAMS
       DRAINAGE
       HYDROLOGY
       RAINSTORMS
       STORM DAMAGE
       STORMS (METEOROLOGY)
       WATERSHEDS

FLOOD DAMAGE
  1308
  GS   DAMAGE
       #FLOOD DAMAGE
  RT   DRAINAGE PATTERNS
       HYDROLOGY
       LANDSLIDES
       PRECIPITATION (METEOROLOGY)
       SEEPAGE
       STORMS
```

```
        STORMS (METEOROLOGY)
        TIDES
        WATER EROSION
        WATER FLOW

FLOOD PLAINS
  1306 1308
  GS    LAND
        .PLAINS
        .#FLOOD PLAINS
  RT    FLOODS
        HYDROGEOLOGY
        HYDROLOGY

FLOOD PREDICTIONS
  1301
  GS    PREDICTIONS
        #FLOOD PREDICTIONS
  RT    FLOODS
        HYDROGEOLOGY
        HYDROLOGY
        PRECIPITATION (METEOROLOGY)
        RAIN
        RAINSTORMS
      % SHOWERS
        STORMS (METEOROLOGY)
        WEATHER FORECASTING

FLOODS
  1308
  RT    ALLUVIUM
        DROUGHT
        FLOOD PLAINS
        FLOOD PREDICTIONS
        HYDROLOGY
        HYDROLOGY MODELS
        MISSISSIPPI RIVER (US)
        PRECIPITATION (METEOROLOGY)
        STORM DAMAGE
        STORMS
        STORMS (METEOROLOGY)
        TIDES
        WATER FLOW
        WATER MANAGEMENT
        WATERSHEDS

FLOORS
  3202 3203
  UF    DECKS (FLOORS)
  RT    BASEMENTS
        BUILDINGS
        CEILINGS (ARCHITECTURE)
        DOORS
      % PLATFORMS
        SUBSTRUCTURES
        TILES
        WALLS

FLOQUET THEOREM
  1902
  GS    THEOREMS
        #FLOQUET THEOREM
  RT    DIFFERENTIAL EQUATIONS
        LINEAR EQUATIONS
        PERIODIC FUNCTIONS

FLORA
  USE   PLANTS (BOTANY)

FLORIDA
  1305
  GS    NATIONS
        .UNITED STATES
        .#FLORIDA
  RT    EVERGLADES (FL)
        GULF OF MEXICO
        MERRITT ISLAND (FL)

FLOTATION
  0505 0602
  RT    ACTIVATION
        BENEFICIATION
        CLASSIFIERS
        COAGULATION
        CONCENTRATING
        FLOCCULATING
        FLUID ROTOR GYROSCOPES
        FOAMING
        LEVITATION
      % SEPARATION
        SETTLING
        SIZE SEPARATION
        SUSPENSION SYSTEMS (VEHICLES)
        WATER TREATMENT

FLOTATION SYSTEMS
  USE   FLOATS

% FLOUR
  0409 0505
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    FINES
        FLOUR (FOOD)

FLOUR (FOOD)
  0409
  RT % FLOUR
     % FOOD
        MILLET
        POWDER (PARTICLES)

% FLOW
  0101 0802 1110 1202 1203 1204 3406
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    AERODYNAMICS
        ANNULAR FLOW
        BRILLOUIN FLOW
        CAVITY FLOW
        CIRCULATION
        CORNER FLOW
        CREEP PROPERTIES
        CROSS FLOW
        EXHAUST NOZZLES
        FLOW EQUATIONS
        FLOW THEORY
        FLOW VELOCITY
        FLUID FLOW
        GRAZING FLOW
        HEAT TRANSMISSION
        INFORMATION FLOW
        INTERACTIONAL AERODYNAMICS
        INVISCID FLOW
        LOW DENSITY FLOW
        MASS FLOW
        ORIFICE FLOW
        OUTLET FLOW
        PANEL METHOD (FLUID DYNAMICS)
        PLASTIC FLOW
        REACTING FLOW
        SHEAR FLOW
        SOLIDS FLOW
        STEADY FLOW
        TRANSONIC FLOW
        UNSTEADY FLOW
        VISCOUS FLOW

FLOW CHAMBERS
  1202
  RT % CHAMBERS

FLOW CHARACTERISTICS
  0101 1202 1203 3303 3501
  GS    DYNAMIC CHARACTERISTICS
        #FLOW CHARACTERISTICS
        ..FLOW DISTRIBUTION
        ..FLOW STABILITY
        ...BOUNDARY LAYER STABILITY
        ...FLAME STABILITY
        ...MAGNETOHYDRODYNAMIC STABILITY
        ....WEIBEL INSTABILITY
        ..FLOW VELOCITY
```

RT BAROTROPIC FLOW
% CHARACTERISTICS
CRITICAL FLOW
CROSS FLOW
EDDY VISCOSITY
INVISCID FLOW
LAMINAR FLOW
NONUNIFORM FLOW
OUTLET FLOW
REATTACHED FLOW
SEPARATED FLOW
STEADY FLOW
STROUHAL NUMBER
SUBCRITICAL FLOW
SUPERCRITICAL FLOW
TURBULENCE
TURBULENT FLOW
VISCOSITY
VISCOUS FLOW

FLOW CHARTS
0802
GS CHARTS
#FLOW CHARTS
RT BLOCK DIAGRAMS
COMPUTER PROGRAMMING
DATA FLOW ANALYSIS
% FLOW GRAPHS
MATHEMATICAL MODELS

FLOW COEFFICIENTS
1202 1203
GS COEFFICIENTS
#FLOW COEFFICIENTS
..DISCHARGE COEFFICIENT
RT AERODYNAMIC COEFFICIENTS
ATTENUATION COEFFICIENTS
MASS FLOW FACTORS
NOZZLE THRUST COEFFICIENTS
REFLECTANCE
TRANSPORT PROPERTIES

FLOW DEFLECTION
1202 1203
RT COMPUTATIONAL FLUID DYNAMICS
DEFLECTORS
FLOW DISTRIBUTION
FLOW VELOCITY
PRANDTL-MEYER EXPANSION

FLOW DIRECTION INDICATORS
1402 1406 1409 3501
GS DISPLAY DEVICES
#FLOW DIRECTION INDICATORS
..WIND VANES
MEASURING INSTRUMENTS
.INDICATING INSTRUMENTS
.#FLOW DIRECTION INDICATORS
...WIND VANES

FLOW DISTORTION
1202 1203
GS DISTORTION
#FLOW DISTORTION
RT AERODYNAMIC COEFFICIENTS
FLUID FLOW
HORSESHOE VORTICES
MULTIPHASE FLOW
ORR-SOMMERFELD EQUATIONS
OSCILLATING FLOW
SMALL PERTURBATION FLOW
VORTICES
WING TIP VORTICES

FLOW DISTRIBUTION
0101 1202 1203 1504
UF FLOW FIELDS
FLOW PATTERNS
GS DISTRIBUTION (PROPERTY)
#FLOW DISTRIBUTION
DYNAMIC CHARACTERISTICS
.FLOW CHARACTERISTICS
.#FLOW DISTRIBUTION
RT BOUNDARY LAYER FLOW
BOUNDARY LAYER SEPARATION
CAVITATION FLOW
CHAPMAN-ENSKOG THEORY
EXHAUST FLOW SIMULATION
FIELD THEORY (PHYSICS)
FLOW DEFLECTION
% FLOW GRAPHS
HYDRODYNAMIC COEFFICIENTS
ISOTHERMAL FLOW
METHOD OF CHARACTERISTICS
NUMERICAL FLOW VISUALIZATION
PARTICLE IMAGE VELOCIMETRY
REATTACHED FLOW
RHEOELECTRICAL SIMULATION
SEPARATED FLOW
STAGNATION POINT
STROUHAL NUMBER
THREE DIMENSIONAL BODIES
TRAPPED VORTICES
VELOCITY DISTRIBUTION
VORTEX SHEETS
WATER TUNNEL TESTS
WIND TUNNEL TESTS

FLOW EQUATIONS
1202 1203
GS #FLOW EQUATIONS
.BOUNDARY LAYER EQUATIONS
..BLASIUS EQUATION
.CHAPLYGIN EQUATION
.NAVIER-STOKES EQUATION
.REYNOLDS EQUATION
.VON KARMAN EQUATION
.VORTICITY EQUATIONS
..HELMHOLTZ VORTICITY EQUATION
RT BERNOULLI THEOREM
COMPUTATIONAL FLUID DYNAMICS
CONVECTION-DIFFUSION EQUATION
% EQUATIONS
FLUID FLOW
K-EPSILON TURBULENCE MODEL
PARTICLE IN CELL TECHNIQUE
PERCUS METHOD
RAYLEIGH EQUATIONS
TURBULENCE MODELS

FLOW FIELDS
USE FLOW DISTRIBUTION

FLOW GEOMETRY
1201 1202 1203
GS GEOMETRY
#FLOW GEOMETRY
RT ANNULAR FLOW
AXIAL FLOW
AXISYMMETRIC FLOW
BACKWARD FACING STEPS
BYPASS RATIO
CHANNEL FLOW
COAXIAL FLOW
CORE FLOW
CROSS FLOW
DUCTED FLOW
HELICAL FLOW
HORSESHOE VORTICES
INLET AIRFRAME CONFIGURATIONS
INLET FLOW
LAMINAR FLOW
MERIDIONAL FLOW
NOZZLE FLOW
ONE DIMENSIONAL FLOW
PARALLEL FLOW
RADIAL FLOW
STEADY FLOW
STRATIFIED FLOW
THREE DIMENSIONAL FLOW
TWO DIMENSIONAL FLOW
WEDGE FLOW

% FLOW GRAPHS
0802 1902

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT EQUIPOTENTIALS
FLOW CHARTS
FLOW DISTRIBUTION
SIGNAL FLOW GRAPHS

FLOW MEASUREMENT
0101 1202 1203 1406 3501
GS MECHANICAL MEASUREMENT
#FLOW MEASUREMENT
..PARTICLE IMAGE VELOCIMETRY
RT ANEMOMETERS
ANNULI
DRAG FORCE ANEMOMETERS
DRAG MEASUREMENT
FLOWMETERS
FLUID FLOW
GAS METERS
HOT-FILM ANEMOMETERS
HOT-WIRE ANEMOMETERS
LASER DOPPLER VELOCIMETERS
% MEASUREMENT
MULTIPHASE FLOW
NONINTRUSIVE MEASUREMENT
% NOZZLES
ORIFICES
PITOT TUBES
PNEUMATIC PROBES
PRESSURE MEASUREMENT
RHEOLOGY
SOLIDS FLOW
VELOCITY MEASUREMENT
VENTURI TUBES
WATER FLOW
WIND VELOCITY

FLOW NETS
0802 1902
RT EQUIPOTENTIALS
SEEPAGE

FLOW PATTERNS
USE FLOW DISTRIBUTION

FLOW RATE
USE FLOW VELOCITY

FLOW REGULATORS
1003 1202 1501 1504
GS REGULATORS
#FLOW REGULATORS
..FUEL FLOW REGULATORS
RT FLOWMETERS
OXYGEN REGULATORS
PRESSURE REGULATORS

FLOW RESISTANCE
0101 1202 1203
GS FRICTION
#FLOW RESISTANCE
..FRICTION DRAG
...AERODYNAMIC DRAG
....SUPERSONIC DRAG
...VISCOUS DRAG
RT EDDY VISCOSITY
% HIGH RESISTANCE
% LOW RESISTANCE
% RESISTANCE
SKIN FRICTION
VISCOSITY

FLOW SEPARATION
USE BOUNDARY LAYER SEPARATION
SEPARATED FLOW

FLOW STABILITY
1202 1203
UF HYDRODYNAMIC STABILITY
GS DYNAMIC CHARACTERISTICS
.DYNAMIC STABILITY
..MOTION STABILITY
..#FLOW STABILITY
....BOUNDARY LAYER STABILITY
....FLAME STABILITY
....MAGNETOHYDRODYNAMIC STABILITY
.....WEIBEL INSTABILITY
.FLOW CHARACTERISTICS
.#FLOW STABILITY
...BOUNDARY LAYER STABILITY
...FLAME STABILITY
...MAGNETOHYDRODYNAMIC STABILITY
....WEIBEL INSTABILITY
STABILITY
.DYNAMIC STABILITY
..MOTION STABILITY
..#FLOW STABILITY
....BOUNDARY LAYER STABILITY
....FLAME STABILITY
....MAGNETOHYDRODYNAMIC STABILITY
.....WEIBEL INSTABILITY
RT AERODYNAMIC STABILITY
BAROCLINIC INSTABILITY
DIRECTIONAL STABILITY
FLUID FLOW
GOERTLER INSTABILITY
HYDRODYNAMIC EQUATIONS
HYDROFOIL OSCILLATIONS
KELVIN-HELMHOLTZ INSTABILITY
LAMINAR FLOW
LATERAL STABILITY
LONGITUDINAL STABILITY
LOW SPEED STABILITY
ORR-SOMMERFELD EQUATIONS
ROTARY STABILITY
STEADY FLOW
STROUHAL NUMBER
SUPERSONIC DIFFUSERS
SYSTEMS STABILITY
TURBULENT FLOW
UNSTEADY FLOW
VISCOUS FLUIDS
VON KARMAN EQUATION
VORTEX BREAKDOWN
VORTEX FILAMENTS
VORTICES
VORTICITY

FLOW THEORY
1202 1203 1204
GS #FLOW THEORY
.MIXING LENGTH FLOW THEORY
RT AERODYNAMICS
BOUNDARY LAYER EQUATIONS
CONTINUUM MECHANICS
CONVECTION-DIFFUSION EQUATION
DISLOCATIONS (MATERIALS)
FLUID FLOW
FLUID MECHANICS
HYDRODYNAMIC EQUATIONS
HYDRODYNAMICS
LIGHTHILL METHOD
MASS FLOW
NAVIER-STOKES EQUATION
ORR-SOMMERFELD EQUATIONS
PANEL METHOD (FLUID DYNAMICS)
PNEUMATICS
RHEOLOGY
SOLIDS FLOW
% THEORIES

FLOW VELOCITY
1202 1203 2502
UF FLOW RATE
GS DYNAMIC CHARACTERISTICS
.FLOW CHARACTERISTICS
.#FLOW VELOCITY
RATES (PER TIME)
#FLOW VELOCITY
..SOLAR WIND VELOCITY
VELOCITY
#FLOW VELOCITY
..SOLAR WIND VELOCITY
RT CHOKED FLOW

DISCHARGE COEFFICIENT
DUMP COMBUSTORS
EXHAUST VELOCITY
% FLOW
FLOW DEFLECTION
HYDRODYNAMIC COEFFICIENTS
HYPERSONIC FLOW
HYPERVELOCITY FLOW
LASER ANEMOMETERS
LOW SPEED
MASS FLOW RATE
PARALLEL FLOW
PARTICLE IMAGE VELOCIMETRY
SUBSONIC FLOW
SUPERSONIC FLOW
TRANSONIC FLOW
UNSTEADY FLOW
VELOCITY DISTRIBUTION
VELOCITY MEASUREMENT
VORTEX LATTICE METHOD
VORTEX PRECESSION

FLOW VISUALIZATION
1407 2310 3501
UF VISUALIZATION OF FLOW
GS #FLOW VISUALIZATION
.NUMERICAL FLOW VISUALIZATION
RT DIFFERENTIAL INTERFEROMETRY
FLUID FLOW
HYDRAULIC ANALOGIES
PARTICLE IMAGE VELOCIMETRY
SCHLIEREN PHOTOGRAPHY
SHADOWGRAPH PHOTOGRAPHY
WATER TUNNEL TESTS
WIND TUNNEL MODELS

FLOWMETERS
0501 1202 1203 1406 3501
GS MEASURING INSTRUMENTS
#FLOWMETERS
..GAS METERS
..HOT-WIRE FLOWMETERS
..RHEOMETERS
RT ELECTRICAL MEASUREMENT
FLOW MEASUREMENT
FLOW REGULATORS
FLUID FLOW
FUEL GAGES
HOT-WIRE ANEMOMETERS
MECHANICAL MEASUREMENT
ORIFICES
PITOT TUBES
PRESSURE GAGES
PRESSURE MEASUREMENT
SONIC ANEMOMETERS
SPEED INDICATORS
TURBINE INSTRUMENTS
VELOCITY MEASUREMENT
VENTURI TUBES
VORTEX PRECESSION

FLOX
0603 1804
UF FLUORINE-LIQUID OXYGEN
GS LIQUIDS
.CRYOGENIC FLUIDS
.#FLOX
OXIDIZERS
.ROCKET OXIDIZERS
.#FLOX
RT FLUORINE
LIQUID OXYGEN

FLTSATCOM
USE FLEET SATELLITE COMMUNICATION SYSTEM

FLUCTUATION
USE VARIATIONS

FLUCTUATION THEORY
1905 2308 2311
RT HOMOGENEOUS TURBULENCE
SQUEEZED STATES (QUANTUM THEORY)
STATISTICAL MECHANICS
% THEORIES

FLUE GASES
1203 3501
GS GASES
.EXHAUST GASES
.#FLUE GASES
RT AIR POLLUTION
COMBUSTION PRODUCTS
DESULFURIZING
ELECTRIC POWER PLANTS
FLUES
POLLUTION CONTROL
SCRUBBERS

FLUENCE
2401 2403 2405
RT HEALTH PHYSICS
IONIZING RADIATION
RADIATION COUNTERS

FLUERICS
1201 1202
GS FLUIDICS
#FLUERICS
RT FLUID AMPLIFIERS
FLUID SWITCHING ELEMENTS
FLUIDIC CIRCUITS
HYDRAULIC ANALOGIES

FLUES
1504
RT CHIMNEYS
DRAFT (GAS FLOW)
DUCTS
EXHAUST SYSTEMS
FLUE GASES
VENTS

FLUID AMPLIFICATION
USE FLUID AMPLIFIERS

FLUID AMPLIFIERS
1201
UF FLUID AMPLIFICATION
FLUID JET AMPLIFIERS
GS AMPLIFIERS
#FLUID AMPLIFIERS
..JET AMPLIFIERS
RT AMPLIFICATION
AUTOMATIC CONTROL VALVES
BOUNDARY LAYER CONTROL
COANDA EFFECT
CONVERGENT NOZZLES
FLUERICS
FLUIDIC CIRCUITS
FLUIDICS
HYDRAULIC EQUIPMENT
PNEUMATIC EQUIPMENT
PRESSURE RECOVERY
TURBULENT FLOW
TURBULENT JETS
WALL JETS

FLUID BOUNDARIES
1201 1202 1203
GS BOUNDARIES
#FLUID BOUNDARIES
..GAS-SOLID INTERFACES
..JET BOUNDARIES
..LIQUID-LIQUID INTERFACES
..LIQUID-SOLID INTERFACES
..LIQUID-VAPOR INTERFACES
INTERFACES
#FLUID BOUNDARIES
..GAS-SOLID INTERFACES
..JET BOUNDARIES
..LIQUID-LIQUID INTERFACES
..LIQUID-SOLID INTERFACES
..LIQUID-VAPOR INTERFACES

```
  RT   BACKWARD FACING STEPS
       BOUNDARY LAYERS
       CAVITY FLOW
       FREE BOUNDARIES
       HEAT TRANSFER
       INTERFACE STABILITY
       LIQUID LEVELS
       LIQUID SURFACES
       PRESSURE GRADIENTS

FLUID DYNAMICS
  1202 1203 1204
  UF   CASCADES (FLUID DYNAMICS)
  GS   FLUID MECHANICS
       #FLUID DYNAMICS
       ..COMPUTATIONAL FLUID DYNAMICS
       ..GAS DYNAMICS
       ...AERODYNAMICS
       ....AEROTHERMODYNAMICS
       ....HYPERSONICS
       ....ROTOR AERODYNAMICS
       ....SUPERSONICS
       ....UNSTEADY AERODYNAMICS
       ...INTERACTIONAL AERODYNAMICS
       ...RAREFIED GAS DYNAMICS
       ..HYDRODYNAMICS
       ...ELASTOHYDRODYNAMICS
       ...ELECTROHYDRODYNAMICS
       ...MAGNETOHYDRODYNAMICS
       ..ROTONS
       ..VORTEX SHEDDING
  RT   CONTINUITY EQUATION
       CONVECTION
       CROSS FLOW
     % DYNAMICS
       EYRING THEORY
       FLUID MANAGEMENT
       FLUX VECTOR SPLITTING
       GAS-SOLID INTERACTIONS
       GEOPHYSICAL FLUIDS
       GLIMM METHOD
     % HYDRAULICS
       HYDROMECHANICS
       KINETICS
       LOW DENSITY FLOW
       MAGNUS EFFECT
     % MECHANICS (PHYSICS)
       OCEAN DYNAMICS
       PANEL METHOD (FLUID DYNAMICS)
       PARALLEL FLOW
       PISTON THEORY
       PRIMITIVE EQUATIONS
       QUASI-STEADY STATES
     % SCIENCE
       SLAMMING
       STAGNATION POINT
       STEADY STATE
       STREAMLINING
       THERMOHYDRAULICS
       TURBULENCE
       TURBULENT FLOW
       UNIFORM FLOW
       UNSTEADY FLOW
       UNSTEADY STATE
       VORTEX FILAMENTS

FLUID FILLED SHELLS
  1202
  GS   SHELLS (STRUCTURAL FORMS)
       #FLUID FILLED SHELLS
       ..LIQUID FILLED SHELLS
  RT   HYDRODYNAMIC RAM EFFECT
       PROPELLANT TANKS
       REINFORCED SHELLS
       SHELL STABILITY
     % STORAGE
       TANKS (CONTAINERS)
     % VESSELS

FLUID FILMS
  2308 2311
  GS  #FLUID FILMS
       .SQUEEZE FILMS
  RT % FILMS
       GAS BEARINGS
       LIQUID-SOLID INTERFACES

FLUID FILTERS
  0602 1502 1504
  UF   MASS FILTERS
       PARTICULATE FILTERS
  GS   SEPARATORS
       #FLUID FILTERS
       ..AIR FILTERS
  RT   CENTRIFUGES
       CONCENTRATORS
     % FILTERS
       FILTRATION
       FLUIDIZED BED PROCESSORS
       SIEVES
       SIZING SCREENS

FLUID FLOW
  1201 1202 1203 1204
  UF   INDUCED FLUID FLOW
       ROTATIONAL FLOW
  GS  #FLUID FLOW
       .ADIABATIC FLOW
       .AXIAL FLOW
       .AXISYMMETRIC FLOW
       ..ANNULAR FLOW
       ..KARMAN-BODEWADT FLOW
       .BAROTROPIC FLOW
       .BASE FLOW
       .BELTRAMI FLOW
       .BLOOD FLOW
       .CAPILLARY FLOW
       .CASCADE FLOW
       .CAVITY FLOW
       .CHANNEL FLOW
       ..OPEN CHANNEL FLOW
       .CHOKED FLOW
       .COAXIAL FLOW
       .COMPRESSIBLE FLOW
       ..TRANSONIC FLOW
       .CONICAL FLOW
       .CONVECTIVE FLOW
       ..RAYLEIGH-BENARD CONVECTION
       ...BENARD CELLS
       .CORE FLOW
       .CORNER FLOW
       .COUNTERFLOW
       .CRITICAL FLOW
       .CROSS FLOW
       .DUCTED FLOW
       ..KNUDSEN FLOW
       .FREE FLOW
       .FUEL FLOW
       ..PROPELLANT TRANSFER
       .GAS FLOW
       ..AIR FLOW
       ...AIR CURRENTS
       ....JET STREAMS (METEOROLOGY)
       ....MERIDIONAL FLOW
       ....VERTICAL AIR CURRENTS
       ..CONTINUUM FLOW
       ..COOLING FLOWS (ASTROPHYSICS)
       ..EQUILIBRIUM FLOW
       ...FROZEN EQUILIBRIUM FLOW
       ...SHIFTING EQUILIBRIUM FLOW
       ..FREE MOLECULAR FLOW
       ..KNUDSEN FLOW
       ..MOLECULAR FLOW
       ...SLIP FLOW
       ...TRANSITION FLOW
       ..NONEQUILIBRIUM FLOW
       ..PIPE FLOW
       .HEAD (FLUID MECHANICS)
       ..HEAD FLOW
       ..PRESSURE HEADS
       .HELICAL FLOW
       .HYPERSONIC FLOW
       .HYPERVELOCITY FLOW
       .INCOMPRESSIBLE FLOW
       ..STOKES FLOW
```

.INLET FLOW
.INVISCID FLOW
..STAGNATION FLOW
.ISOTHERMAL FLOW
.JET FLOW
..AIR JETS
..PERIPHERAL JET FLOW
..SUPERSONIC JET FLOW
.JET MIXING FLOW
.LAMINAR FLOW
..BLASIUS FLOW
..HARTMANN FLOW
..STRATIFIED FLOW
.LIQUID FLOW
..OPEN CHANNEL FLOW
..WATER FLOW
.MAGNETOHYDRODYNAMIC FLOW
.MASS FLOW
.MULTIPHASE FLOW
..TWO PHASE FLOW
.NONNEWTONIAN FLOW
.NONUNIFORM FLOW
.NOZZLE FLOW
.ONE DIMENSIONAL FLOW
.ORIFICE FLOW
.OUTLET FLOW
.PARALLEL FLOW
..PIPE FLOW
..THREE DIMENSIONAL FLOW
.PLASTIC FLOW
..TRESCA FLOW
.POTENTIAL FLOW
..EQUIPOTENTIALS
.RADIAL FLOW
.REACTING FLOW
..COMBUSTIBLE FLOW
.RECIRCULATIVE FLUID FLOW
.REVERSED FLOW
.SHEAR FLOW
.SINGLE-PHASE FLOW
.SMALL PERTURBATION FLOW
.SOLIDS FLOW
.STEADY FLOW
..COUETTE FLOW
..HARTMANN FLOW
.STEAM FLOW
.SUBCRITICAL FLOW
.SUBSONIC FLOW
.SUPERCRITICAL FLOW
.SUPERSONIC FLOW
.TURBULENT FLOW
..CAVITATION FLOW
..SUPERCAVITATING FLOW
.TWO DIMENSIONAL FLOW
..COUETTE FLOW
.UNIFORM FLOW
..BLASIUS FLOW
.UNSTEADY FLOW
..OSCILLATING FLOW
.VISCOUS FLOW
..BOUNDARY LAYER FLOW
...REATTACHED FLOW
...SECONDARY FLOW
...SEPARATED FLOW
....BOUNDARY LAYER SEPARATION
..COUETTE FLOW
..KARMAN-BODEWADT FLOW
..STOKES FLOW
.WALL FLOW
.WEDGE FLOW
RT ACOUSTIC STREAMING
ANNULAR DUCTS
BERNOULLI THEOREM
BOUNDARY LAYERS
CANALS
CARTAN SPACE
CHEMICAL ENGINEERING
CIRCULATION
COAXIAL NOZZLES
% CONDUCTIVITY
CONVECTION CURRENTS
% CURRENTS
DIMENSIONAL ANALYSIS
DIMENSIONLESS NUMBERS
DRAG REDUCTION
DUCT GEOMETRY
EXPULSION
% FLOW
FLOW DISTORTION
FLOW EQUATIONS
FLOW MEASUREMENT
FLOW STABILITY
FLOW THEORY
FLOW VISUALIZATION
FLOWMETERS
FLUIDICS
% FLUIDS
FRICTION
FROUDE NUMBER
GEOPHYSICAL FLUID FLOW CELLS
HEAT TRANSMISSION
% HYDRAULICS
HYDRODYNAMICS
HYDROMECHANICS
INJECTION
LABYRINTH SEALS
LEAKAGE
LEWIS NUMBERS
MAGNUS EFFECT
MANNING THEORY
MATERIALS HANDLING
MECHANICAL ENGINEERING
OCEAN CURRENTS
OCEAN SURFACE
PIPES (TUBES)
PLANETARY WAVES
PRESSURE GRADIENTS
RAYLEIGH WAVES
REYNOLDS NUMBER
SKIN FRICTION
SOLAR CONVECTION (ASTRONOMY)
STELLAR CONVECTION
STREAMS
SUPERSONIC BOUNDARY LAYERS
SURGES
SYRINGES
THERMOHYDRAULICS
ULTRASONIC CLEANING
VORTICES
WING FLOW METHOD TESTS

FLUID INJECTION
1201 1202 1203
GS INJECTION
#FLUID INJECTION
..GAS INJECTION
..LIQUID INJECTION
...DEEP WELL INJECTION (WASTES)
...WATER INJECTION
RT CHANNEL FLOW
FUEL INJECTION
INLET FLOW
LAMINAR MIXING
NOZZLE FLOW
SECONDARY INJECTION

FLUID JET AMPLIFIERS
USE FLUID AMPLIFIERS
JET AMPLIFIERS

FLUID JETS
1202 1203
GS #FLUID JETS
.AIR JETS
.FREE JETS
.GAS JETS
.HYDRAULIC JETS
.VAPOR JETS
RT JET AMPLIFIERS
JET FLOW
JET MIXING FLOW
JET STREAMS (METEOROLOGY)
% JETS
PLASMA JETS

```
FLUID LOGIC
  0801 0802 1202
  RT   COMPUTER DESIGN
       FLUIDIC CIRCUITS
       FLUIDICS
     % LOGIC
       LOGIC CIRCUITS

FLUID MANAGEMENT
  1202
  RT   CRYOGENIC FLUID STORAGE
       CRYOGENIC FLUIDS
       CRYOGENIC ROCKET PROPELLANTS
       FLUID DYNAMICS
       FUEL CONTROL
       MICROGRAVITY

FLUID MECHANICS
  0101 1202 1203 3304
  GS  #FLUID MECHANICS
       .FLUID DYNAMICS
       ..COMPUTATIONAL FLUID DYNAMICS
       ..GAS DYNAMICS
       ...AERODYNAMICS
       ....AEROTHERMODYNAMICS
       ....HYPERSONICS
       ....ROTOR AERODYNAMICS
       ....SUPERSONICS
       ....UNSTEADY AERODYNAMICS
       ...INTERACTIONAL AERODYNAMICS
       ...RAREFIED GAS DYNAMICS
       ..HYDRODYNAMICS
       ...ELASTOHYDRODYNAMICS
       ...ELECTROHYDRODYNAMICS
       ...MAGNETOHYDRODYNAMICS
       ..ROTONS
       ..VORTEX SHEDDING
       .HYDROMECHANICS
       ..HYDRODYNAMICS
       ...ELASTOHYDRODYNAMICS
       ...ELECTROHYDRODYNAMICS
       ...MAGNETOHYDRODYNAMICS
       ..HYDROSTATICS
       ...MAGNETOHYDROSTATICS
       .PNEUMATICS
  RT   AEROSTATICS
     % BLEEDING
       CONTINUUM MECHANICS
       DIFFUSIVITY
     % DYNAMICS
       FLAT PLATES
       FLOW THEORY
       FLUIDICS
     % HYDRAULICS
       HYDRODYNAMIC EQUATIONS
       INCOMPRESSIBILITY
       KINETICS
       MAXWELL FLUIDS
     % MECHANICS (PHYSICS)
       MICROPOLAR FLUIDS
     % SCIENCE
       STATICS
       SUPERCRITICAL FLUIDS
       THERMODYNAMICS

FLUID POWER
  0303 1201 1202 1203 1204 2804
  RT   COMPRESSIBLE FLUIDS
       FLUID PRESSURE
       FLUIDIC CIRCUITS
       FLUIDICS
       HYDRAULIC CONTROL
       HYDRAULIC EQUIPMENT
     % HYDRAULICS
       HYDRODYNAMICS
       INCOMPRESSIBLE FLUIDS
       PNEUMATIC CONTROL
       PNEUMATIC EQUIPMENT
       PNEUMATICS
     % POWER
     % PRESSURE DROP
       WORKING FLUIDS

FLUID PRESSURE
  1202
  GS   PRESSURE
       #FLUID PRESSURE
       ..WATER PRESSURE
  RT   BETA FACTOR
       FLUID POWER
       FLUIDICS
     % FLUIDS
       HYDRAULIC FLUIDS

FLUID ROTOR GYROSCOPES
  1202 1403
  GS   GYROSCOPES
       .ROTARY GYROSCOPES
       .#FLUID ROTOR GYROSCOPES
  RT   FLOTATION
       GIMBALS

FLUID SWITCHING ELEMENTS
  1201 1202
  GS   CIRCUITS
       .SWITCHING CIRCUITS
       .#FLUID SWITCHING ELEMENTS
       SWITCHES
       .SWITCHING CIRCUITS
       .#FLUID SWITCHING ELEMENTS
  RT   ACOUSTIC STREAMING
       AUTOMATIC CONTROL VALVES
       FLIP-FLOPS
       FLUERICS
       FLUIDIC CIRCUITS
       FLUIDICS
       HYDRAULIC EQUIPMENT
       PNEUMATIC EQUIPMENT

FLUID TRANSMISSION LINES
  1201 3501
  GS   TRANSMISSION LINES
       #FLUID TRANSMISSION LINES
  RT   HYDRAULIC FLUIDS
       TRANSMISSION FLUIDS
       WORKING FLUIDS

FLUID TRANSPIRATION
  USE  TRANSPIRATION

FLUID-SOLID INTERACTIONS
  0602
  GS  #FLUID-SOLID INTERACTIONS
       .GAS-SOLID INTERACTIONS
       ..GAS-METAL INTERACTIONS
  RT   GAS-SOLID INTERFACES
     % INTERACTIONS
       LIQUID-SOLID INTERFACES
       SURFACE REACTIONS

FLUIDIC CIRCUITS
  1201 1202
  GS   CIRCUITS
       #FLUIDIC CIRCUITS
  RT   FLIP-FLOPS
       FLUERICS
       FLUID AMPLIFIERS
       FLUID LOGIC
       FLUID POWER
       FLUID SWITCHING ELEMENTS
       FLUIDICS
       FLY BY TUBE CONTROL

FLUIDICS
  1201 1202
  GS  #FLUIDICS
       .FLUERICS
  RT   AMPLIFICATION
     % CONTROL
       FLUID AMPLIFIERS
       FLUID FLOW
       FLUID LOGIC
       FLUID MECHANICS
       FLUID POWER
       FLUID PRESSURE
```

FLUID SWITCHING ELEMENTS
FLUIDIC CIRCUITS
HYDRAULIC ANALOGIES
HYDRAULIC CONTROL
% LOGIC
PNEUMATIC CIRCUITS
PNEUMATIC CONTROL
PNEUMATIC EQUIPMENT
PNEUMATICS

FLUIDIZED BED PROCESSORS
1201 2202 2204
RT BEDS (PROCESS ENGINEERING)
CHEMICAL REACTORS
FLUID FILTERS
FURNACES
SEPARATORS

% FLUIDS
1202 1703 1805
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT ANISOTROPIC FLUIDS
BINARY FLUIDS
BODY FLUIDS
CEREBROSPINAL FLUID
COMPRESSIBLE FLUIDS
CRYOGENIC FLUIDS
FERROFLUIDS
FLUID FLOW
FLUID PRESSURE
GASES
GYROSCOPE FLUIDS
HIGH TEMPERATURE FLUIDS
HYDRAULIC FLUIDS
IDEAL FLUIDS
INCOMPRESSIBLE FLUIDS
LIQUIDS
MAXWELL FLUIDS
MICROPOLAR FLUIDS
NEWTONIAN FLUIDS
NONEQUILIBRIUM FLOW
NONNEWTONIAN FLUIDS
RHEOLOGY
ROTATING FLUIDS
SERUMS
SIPHONING
SOLIDS
SUPERCRITICAL FLUIDS
SUPERFLUIDITY
TRANSMISSION FLUIDS
VISCOUS FLUIDS
WEIGHTLESS FLUIDS
WORKING FLUIDS

FLUORESCENCE
0605 2306 2402 3408
UF FLUORESCENT EMISSION
GS EMISSION
.LIGHT EMISSION
..LUMINESCENCE
..#FLUORESCENCE
....LASER INDUCED FLUORESCENCE
....PHOSPHORESCENCE
....RESONANCE FLUORESCENCE
....X RAY FLUORESCENCE
RT ELECTROMAGNETIC ABSORPTION
EXTINCTION
MOSSBAUER EFFECT
PHOSPHORS
PHOTOEXCITATION
PHOTOLUMINESCENCE
PLASMA RADIATION
RHODAMINE
TRIBOLUMINESCENCE

FLUORESCENT EMISSION
USE FLUORESCENCE

FLUORIDES
0603 1804 1808
GS HALOGEN COMPOUNDS
.FLUORINE COMPOUNDS
.#FLUORIDES
...ANTIMONY FLUORIDES
...BARIUM FLUORIDES
...BORON FLUORIDES
...CHLORINE FLUORIDES
...COMPOUND A
...CRYOLITE
...DEUTERIUM FLUORIDES
...DIFLUORIDES
....CALCIUM FLUORIDES
.....FLUORSPAR
...HYDROFLUORIC ACID
...METAL FLUORIDES
....ALUMINUM FLUORIDES
....BERYLLIUM FLUORIDES
....CADMIUM FLUORIDES
....CALCIUM FLUORIDES
....CESIUM FLUORIDES
....CHROMIUM FLUORIDES
....COBALT FLUORIDES
....COPPER FLUORIDES
....LANTHANUM FLUORIDES
....LITHIUM FLUORIDES
....MAGNESIUM FLUORIDES
....NICKEL FLUORIDES
....PLUTONIUM FLUORIDES
....PROTACTINIUM FLUORIDES
....SODIUM FLUORIDES
....STRONTIUM FLUORIDES
....THORIUM FLUORIDES
....TUNGSTEN FLUORIDES
....URANIUM FLUORIDES
....ZINC FLUORIDES
...NITROGEN FLUORIDES
...NITRYL FLUORIDES
...OXYFLUORIDES
...OXYGEN FLUORIDES
...OZONE FLUORIDE
...PERCHLORYL FLUORIDES
...POLYVINYL FLUORIDE
...SULFUR FLUORIDES
....SULFUR HEXAFLUORIDE
...TECHNETIUM FLUORIDES
.HALIDES
.#FLUORIDES
...ANTIMONY FLUORIDES
...BARIUM FLUORIDES
...BORON FLUORIDES
...CHLORINE FLUORIDES
...DIFLUORIDES
....CALCIUM FLUORIDES
.....FLUORSPAR
...HYDROFLUORIC ACID
...NITROGEN FLUORIDES
...OXYFLUORIDES
...OXYGEN FLUORIDES
...OZONE FLUORIDE
...PERCHLORYL FLUORIDES
...SULFUR FLUORIDES
....SULFUR HEXAFLUORIDE
...TECHNETIUM FLUORIDES
RT EXCIMER LASERS

FLUORINATION
0505 0602
GS CHEMICAL REACTIONS
.HALOGENATION
.#FLUORINATION
RT DEFLUORINATION

FLUORINE
1807
GS CHEMICAL ELEMENTS
.HALOGENS
.#FLUORINE
...FLUORINE ISOTOPES
RT FLOX
OXIDIZERS

FLUORINE COMPOUNDS
0603 1804 1808

```
GS   HALOGEN COMPOUNDS
     #FLUORINE COMPOUNDS
     ..FLUORIDES
     ...ANTIMONY FLUORIDES
     ...BARIUM FLUORIDES
     ...BORON FLUORIDES
     ...CHLORINE FLUORIDES
     ...COMPOUND A
     ...CRYOLITE
     ...DEUTERIUM FLUORIDES
     ...DIFLUORIDES
     ....CALCIUM FLUORIDES
     .....FLUORSPAR
     ...HYDROFLUORIC ACID
     ...METAL FLUORIDES
     ....ALUMINUM FLUORIDES
     ....BERYLLIUM FLUORIDES
     ....CADMIUM FLUORIDES
     ....CALCIUM FLUORIDES
     ....CESIUM FLUORIDES
     ....CHROMIUM FLUORIDES
     ....COBALT FLUORIDES
     ....COPPER FLUORIDES
     ....LANTHANUM FLUORIDES
     ....LITHIUM FLUORIDES
     ....MAGNESIUM FLUORIDES
     ....NICKEL FLUORIDES
     ....PLUTONIUM FLUORIDES
     ....PROTACTINIUM FLUORIDES
     ....SODIUM FLUORIDES
     ....STRONTIUM FLUORIDES
     ....THORIUM FLUORIDES
     ....TUNGSTEN FLUORIDES
     ....URANIUM FLUORIDES
     ....ZINC FLUORIDES
     ...NITROGEN FLUORIDES
     ...NITRYL FLUORIDES
     ...OXYFLUORIDES
     ...OXYGEN FLUORIDES
     ...OZONE FLUORIDE
     ...PERCHLORYL FLUORIDES
     ...POLYVINYL FLUORIDE
     ...SULFUR FLUORIDES
     ....SULFUR HEXAFLUORIDE
     ...TECHNETIUM FLUORIDES
     ..FLUORITE
     ..FLUORO COMPOUNDS
     ...CRYOLITE
     ...DIFLUORO COMPOUNDS
     ....PERFLUOROALKANE
     ....POLYTETRAFLUOROETHYLENE
     .....TEFLON (TRADEMARK)
     ...FLUORINE ORGANIC COMPOUNDS
     ....FLUOROAMINES
     .....NITROFLUORAMINES
     .....TRIFLUOROAMINE OXIDE
     ....FLUOROCARBONS
     ....FLUOROHYDROCARBONS
     .....CARBON TETRAFLUORIDE
     .....CHLOROFLUOROMETHANE
     ....KEL-F
     ....PERFLUOROALKANE
     ....PERFLUOROGUANIDINE
     ...FLUOROSILICATES
     ...TETRAFLUOROHYDRAZINE
  RT % CHEMICAL COMPOUNDS
       HALOCARBONS

FLUORINE ISOTOPES
  2406
  GS   CHEMICAL ELEMENTS
       .HALOGENS
       ..FLUORINE
       ..#FLUORINE ISOTOPES
       .NUCLIDES
       ..ISOTOPES
       ..#FLUORINE ISOTOPES

FLUORINE ORGANIC COMPOUNDS
  0603 1808
  UF   ORGANIC FLUORINE COMPOUNDS
  GS   HALOGEN COMPOUNDS
       .FLUORINE COMPOUNDS
       ..FLUORO COMPOUNDS
       ..#FLUORINE ORGANIC COMPOUNDS
       ....FLUOROAMINES
       .....NITROFLUORAMINES
       .....TRIFLUOROAMINE OXIDE
       ....FLUOROCARBONS
       ....FLUOROHYDROCARBONS
       .....CARBON TETRAFLUORIDE
       .....CHLOROFLUOROMETHANE
       ....KEL-F
       ....PERFLUOROALKANE
       ....PERFLUOROGUANIDINE
       ORGANIC COMPOUNDS
       #FLUORINE ORGANIC COMPOUNDS
       ..FLUOROAMINES
       ...NITROFLUORAMINES
       ...TRIFLUOROAMINE OXIDE
       ..FLUOROCARBONS
       ..FLUOROHYDROCARBONS
       ...CARBON TETRAFLUORIDE
       ...CHLOROFLUOROMETHANE
       ..FLUOROPOLYMERS
       ...POLYVINYL FLUORIDE
       ..KEL-F
       ..PERFLUOROALKANE
       ..PERFLUOROGUANIDINE
  RT % CHEMICAL COMPOUNDS

FLUORINE-LIQUID OXYGEN
  USE  FLOX

FLUORITE
  1806 2601
  GS   CALCIUM COMPOUNDS
       #FLUORITE
       HALOGEN COMPOUNDS
       .FLUORINE COMPOUNDS
       .#FLUORITE
       MINERALS
       #FLUORITE

FLUORO COMPOUNDS
  0403 0603 1804 1808
  GS   HALOGEN COMPOUNDS
       .FLUORINE COMPOUNDS
       .#FLUORO COMPOUNDS
       ...CRYOLITE
       ...DIFLUORO COMPOUNDS
       ....PERFLUOROALKANE
       ....POLYTETRAFLUOROETHYLENE
       .....TEFLON (TRADEMARK)
       ...FLUORINE ORGANIC COMPOUNDS
       ....FLUOROAMINES
       .....NITROFLUORAMINES
       .....TRIFLUOROAMINE OXIDE
       ....FLUOROCARBONS
       ....FLUOROHYDROCARBONS
       .....CARBON TETRAFLUORIDE
       .....CHLOROFLUOROMETHANE
       ....KEL-F
       ....PERFLUOROALKANE
       ....PERFLUOROGUANIDINE
       ...FLUOROSILICATES
       ...TETRAFLUOROHYDRAZINE
  RT % CHEMICAL COMPOUNDS
       HALOCARBONS

FLUOROAMINES
  0403 1808
  GS   AMINES
       #FLUOROAMINES
       ..NITROFLUORAMINES
       ..TRIFLUOROAMINE OXIDE
       HALOGEN COMPOUNDS
       .FLUORINE COMPOUNDS
       ..FLUORO COMPOUNDS
       ...FLUORINE ORGANIC COMPOUNDS
       ...#FLUOROAMINES
       .....NITROFLUORAMINES
       .....TRIFLUOROAMINE OXIDE
       ORGANIC COMPOUNDS
       .FLUORINE ORGANIC COMPOUNDS
```

```
        .#FLUOROAMINES
        ...NITROFLUORAMINES
        ...TRIFLUOROAMINE OXIDE

FLUOROCARBONS
  0403 1808
  GS    CARBON COMPOUNDS
        .HALOCARBONS
        .#FLUOROCARBONS
        HALOGEN COMPOUNDS
        .FLUORINE COMPOUNDS
        ..FLUORO COMPOUNDS
        ...FLUORINE ORGANIC COMPOUNDS
        ...#FLUOROCARBONS
        .HALOCARBONS
        .#FLUOROCARBONS
        ORGANIC COMPOUNDS
        .FLUORINE ORGANIC COMPOUNDS
        .#FLUOROCARBONS
  RT    CHLOROFLUOROCARBONS
        FLUOROHYDROCARBONS
        FLUOROPOLYMERS

FLUOROHYDROCARBONS
  1808
  GS    HALOGEN COMPOUNDS
        .FLUORINE COMPOUNDS
        ..FLUORO COMPOUNDS
        ...FLUORINE ORGANIC COMPOUNDS
        ...#FLUOROHYDROCARBONS
        .....CARBON TETRAFLUORIDE
        .....CHLOROFLUOROMETHANE
        ORGANIC COMPOUNDS
        .FLUORINE ORGANIC COMPOUNDS
        .#FLUOROHYDROCARBONS
        ...CARBON TETRAFLUORIDE
        ...CHLOROFLUOROMETHANE
  RT    FLUOROCARBONS
        FREON
        REFRIGERANTS
        VITON RUBBER (TRADEMARK)

FLUOROMICA
  USE   FLUOROSILICATES
        MICA

FLUOROPHLOGOPITE
  1806
  GS    MINERALS
        .MICA
        .#FLUOROPHLOGOPITE

FLUOROPLASTICS
  USE   FLUOROPOLYMERS

FLUOROPOLYMERS
  1810
  UF    FLUOROPLASTICS
  GS    ORGANIC COMPOUNDS
        .FLUORINE ORGANIC COMPOUNDS
        .#FLUOROPOLYMERS
        ...POLYVINYL FLUORIDE
  RT    FLUOROCARBONS
        PLASTICS
      % POLYMERS

FLUOROSCOPY
  0405 0605 1404 2306 2310 2402
  RT    MEDICAL EQUIPMENT
        X RAY ANALYSIS

FLUOROSILICATES
  0603 1804
  UF    FLUOROMICA
  GS    HALOGEN COMPOUNDS
        .FLUORINE COMPOUNDS
        ..FLUORO COMPOUNDS
        ..#FLUOROSILICATES
        SILICON COMPOUNDS
        .SILICATES
        .#FLUOROSILICATES
  RT    MINERALS

FLUORSPAR
  1806
  GS    CALCIUM COMPOUNDS
        .CALCIUM FLUORIDES
        .#FLUORSPAR
        HALOGEN COMPOUNDS
        .FLUORINE COMPOUNDS
        ..FLUORIDES
        ...DIFLUORIDES
        ....CALCIUM FLUORIDES
        ....#FLUORSPAR
        .HALIDES
        ..FLUORIDES
        ...DIFLUORIDES
        ....CALCIUM FLUORIDES
        ....#FLUORSPAR
        MINERALS
        #FLUORSPAR

FLUSHING
  0505 0602 1504 3407
  RT    CLEANING
        EJECTION
        ELUTION
        EXPELLANTS
        LEACHING
        PURGING
        PURIFICATION
      % SEPARATION
        VENTING
        WASHING
        WASTE WATER

FLUTING
  USE   GROOVING

FLUTTER
  0101 0201 1202
  UF    AERODYNAMIC BUZZ
        AEROMAGNETO FLUTTER
  GS    VIBRATION
        .STRUCTURAL VIBRATION
        .#FLUTTER
        ...PANEL FLUTTER
        ...SUBSONIC FLUTTER
        ...SUPERSONIC FLUTTER
        ...TRANSONIC FLUTTER
  RT    AERODYNAMIC NOISE
        AERODYNAMIC STABILITY
        AEROELASTIC RESEARCH WINGS
        AEROELASTICITY
        AEROSERVOELASTICITY
        AIRFOIL OSCILLATIONS
        BENDING
        BENDING VIBRATION
        BOUNDARY LAYER CONTROL
        BUFFETING
        COMPRESSIBILITY EFFECTS
        DAST PROGRAM
        FLAPPING
        FLIGHT CHARACTERISTICS
        FORCED VIBRATION
        HOVERING
        HYDROFOIL OSCILLATIONS
        INFLUENCE COEFFICIENT
        MISSILE VIBRATION
        RANDOM VIBRATION
        RESONANT VIBRATION
        SELF INDUCED VIBRATION
        SHAKING
        SPACECRAFT MOTION
        TURBULENCE EFFECTS
        UNDAMPED OSCILLATIONS
        UNSTEADY AERODYNAMICS
        VIBRATION SIMULATORS
        VIBRATION TESTS
        VIBRATIONAL STRESS
        WING OSCILLATIONS

FLUTTER ANALYSIS
  0101 0201 1202 3203
  GS    STRUCTURAL ANALYSIS
```

#FLUTTER ANALYSIS
RT AEROELASTIC RESEARCH WINGS
AIRFOIL OSCILLATIONS
STRUCTURAL VIBRATION
UNSTEADY AERODYNAMICS

% FLUX
0101 0705 1202 1902 2311 2402 2405
2502 3006
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT FLUX (RATE)
FLUX DENSITY
FLUX QUANTIZATION
FLUXES
LEVEL (QUANTITY)

FLUX (RATE PER UNIT AREA)
USE FLUX DENSITY

FLUX (RATE)
2401 2404 2405 3009
SN (LIMITED TO THE TOTAL EMANATION OF
ENERGY, MATERIAL OR PARTICLES FROM
A SINGLE SOURCE PER UNIT TIME--SEE
FLUX DENSITY FOR ENERGY, MATERIAL
OR PARTICLE RATE PER UNIT AREA)
UF ELECTRON FLUX
NEUTRON FLUX
PARTICLE FLUX
GS RATES (PER TIME)
#FLUX (RATE)
..HEAT FLUX
..MAGNETIC FLUX
..SOLAR FLUX
RT BETA PARTICLES
BRIGHTNESS
CORPUSCULAR RADIATION
DOSIMETERS
ELECTROMAGNETIC RADIATION
EMITTANCE
% ENERGY
FIELD THEORY (PHYSICS)
FLUX DENSITY
GAMMA RAYS
% INTENSITY
LEVEL (QUANTITY)
LUMINOUS INTENSITY
MAGNETIC CIRCUITS
MAGNETIC INDUCTION
MAGNETOSTATICS
PARTICLE BEAMS
PARTICLE DIFFUSION
% POWER
RADIANT FLUX DENSITY
% RADIATION
STEFAN-BOLTZMANN LAW

FLUX DENSITY
0705 2402 2403 2405 2902 3303
SN (LIMITED TO ENERGY, MATERIAL OR
PARTICLE RATE PER UNIT AREA, THE
QUANTITY USUALLY MEASURED--SEE
FLUX (RATE) FOR TOTAL EMANATION
FROM A SINGLE SOURCE PER UNIT TIME)
UF DENSITY (RATE/AREA)
ENERGY DENSITY
FLUX (RATE PER UNIT AREA)
FLUX MAPPING
GS RATES (PER TIME)
#FLUX DENSITY
..CURRENT DENSITY
..PHOTON DENSITY
..RADIANT FLUX DENSITY
...IRRADIANCE
....ILLUMINANCE
....SOLAR CONSTANT
...LUMENS
...LUMINOUS INTENSITY
....ILLUMINANCE
....LUMINANCE
...PARTICLE FLUX DENSITY
....ELECTRON FLUX DENSITY
....NEUTRON FLUX DENSITY
....PROTON FLUX DENSITY
...RADIANCE
...RADIANCY
...SOLAR FLUX DENSITY
....SOLAR CONSTANT
..SOUND INTENSITY
...ZERO SOUND
RT ALPHA PARTICLES
ANGULAR DISTRIBUTION
ATOM CONCENTRATION
% DENSITY
DOSIMETERS
ELECTROMAGNETIC RADIATION
% ENERGY
ENERGY DISTRIBUTION
FIELD INTENSITY METERS
FIELD STRENGTH
FIELD THEORY (PHYSICS)
FLUX (RATE)
GAMMA RAYS
HEAT FLUX
% INTENSITY
IRRADIATION
LEVEL (QUANTITY)
LOUDNESS
MASS DISTRIBUTION
METEOROID CONCENTRATION
ONSAGER PHENOMENOLOGICAL
COEFFICIENT
% POWER
POWER SPECTRA
PROTONS
% RADIATION
RADIATION DISTRIBUTION
RADIATION HAZARDS
REMANENCE
SCATTERING FUNCTIONS
SOLAR MAXIMUM MISSION
SOUND PRESSURE
SPECTRA
X RAY DENSITY MEASUREMENT

FLUX MAPPING
USE FLUX DENSITY
MAPPING

FLUX PINNING
1002 1502
GS PINNING
#FLUX PINNING
RT LINES OF FORCE
MAGNETIC FLUX
SUPERCONDUCTIVITY
TRAPPED MAGNETIC FIELDS
TRAPPING

FLUX PUMPS
1002 2302 2303 2603
RT MAGNETIC COILS
MAGNETIC FIELDS
SUPERCONDUCTING MAGNETS
SUPERCONDUCTIVITY

FLUX QUANTIZATION
2402
RT % FLUX
MAGNETIC FLUX
SUPERCONDUCTORS

FLUX TRANSFER EVENTS
1302 1307 1308
GS MAGNETIC PROPERTIES
.MAGNETOACTIVITY
.#FLUX TRANSFER EVENTS
RT AERONOMY
GEOMAGNETISM
INTERPLANETARY MAGNETIC FIELDS
LINES OF FORCE
MAGNETIC EFFECTS
MAGNETIC FIELD CONFIGURATIONS

MAGNETIC FIELD RECONNECTION
MAGNETIC FIELDS
MAGNETIC FLUX
MAGNETOPAUSE
MAGNETOSPHERE-IONOSPHERE COUPLING
SPACE PLASMAS

FLUX VECTOR SPLITTING
1202 1203 1204 1903
GS ANALYSIS (MATHEMATICS)
.NUMERICAL ANALYSIS
.#FLUX VECTOR SPLITTING
RT COMPUTATION
COMPUTATIONAL FLUID DYNAMICS
EIGENVALUES
FINITE DIFFERENCE THEORY
FLUID DYNAMICS
PANEL METHOD (FLUID DYNAMICS)
VECTOR ANALYSIS
VECTORS (MATHEMATICS)
VORTEX LATTICE METHOD

FLUXES
1504
RT BRAZING
% FLUX
LIMESTONE
SOLDERING
WELDING

FLUXMETERS
USE MAGNETIC MEASUREMENT
MEASURING INSTRUMENTS

FLY ASH
0505
GS ASHES
#FLY ASH
RT AIR POLLUTION
COAL
COMBUSTION PRODUCTS
ELECTRIC POWER PLANTS
ELECTROSTATIC PRECIPITATORS
PARTICULATES
POLLUTION CONTROL

FLY BY LIGHT CONTROL
0201 0702 1402 1410 2102 2310
UF FBL CONTROL
GS FLIGHT CONTROL
#FLY BY LIGHT CONTROL
RT AIRCRAFT CONTROL
FIBER OPTICS
OPTICAL FIBERS

FLY BY TUBE CONTROL
0601
GS FLIGHT CONTROL
#FLY BY TUBE CONTROL
RT AIRCRAFT CONTROL
% CONTROL
FLUIDIC CIRCUITS
HYDRAULIC EQUIPMENT
SERVOAMPLIFIERS

FLY BY WIRE CONTROL
0201 1402 1410 2102
UF ELECTRIC AIRCRAFT
GS FLIGHT CONTROL
#FLY BY WIRE CONTROL
RT AIRCRAFT CONTROL
% CONTROL
GROUND BASED CONTROL
SPACECRAFT CONTROL

FLYBY MISSIONS
3006 3009 3409
GS SPACE MISSIONS
#FLYBY MISSIONS
..ASTEROID MISSIONS
...COMET RENDEZVOUS ASTEROID FLYBY MISSION
..GIOTTO MISSION
..GRAND TOURS
...MARINER JUPITER-SATURN FLYBY
...MARINER JUPITER-URANUS FLYBY
...VOYAGER 1977 MISSION
..MARINER VENUS-MERCURY 1973
..MARINER-MERCURY 1973
RT GALILEO PROJECT
GALILEO SPACECRAFT
INTERPLANETARY FLIGHT
LONG DURATION SPACE FLIGHT
LUNAR FLIGHT
MARINER MARK 2 SPACECRAFT
MARINER PROGRAM
% MISSIONS
OUTER PLANETS EXPLORERS
SPACE FLIGHT
SWINGBY TECHNIQUE
TOPS (SPACECRAFT)
VEGA PROJECT
VOYAGER 1 SPACECRAFT
VOYAGER 2 SPACECRAFT

FLYING
USE FLIGHT

FLYING BEDSTEAD AIRCRAFT
USE FLYING PLATFORMS

FLYING CRANE HELICOPTER
USE H-17 HELICOPTER

FLYING EJECTION SEATS
0203 0208 2806 3104
GS ONBOARD EQUIPMENT
.AIRCRAFT EQUIPMENT
..EJECTION SEATS
..#FLYING EJECTION SEATS
SAFETY DEVICES
.EJECTION SEATS
.#FLYING EJECTION SEATS
SEATS
.EJECTION SEATS
.#FLYING EJECTION SEATS
RT ABORT APPARATUS
AIRCRAFT SAFETY
BAILOUT
COCKPITS
EJECTORS
ESCAPE CAPSULES
FLIGHT SAFETY
JET ENGINES
PROTECTION

FLYING PERSONNEL
0502
GS PERSONNEL
#FLYING PERSONNEL
..ASTRONAUTS
...ORBITAL WORKERS
..COSMONAUTS
..FLIGHT CREWS
...SPACECREWS
..PILOTS (PERSONNEL)
...AIRCRAFT PILOTS
....TEST PILOTS
RT FLIGHT FITNESS
FLIGHT TRAINING
NAVIGATORS

FLYING PLATFORM STABILITY
USE AERODYNAMIC STABILITY
FLYING PLATFORMS

FLYING PLATFORMS
0205
UF FLYING BEDSTEAD AIRCRAFT
FLYING PLATFORM STABILITY
GS V/STOL AIRCRAFT
.VERTICAL TAKEOFF AIRCRAFT
.#FLYING PLATFORMS
RT % AIRCRAFT
GROUND EFFECT MACHINES

JET AIRCRAFT
OBSERVATION AIRCRAFT
% PLATFORMS
RECONNAISSANCE AIRCRAFT
RESEARCH AIRCRAFT
% SUBSONIC AIRCRAFT
VZ-8 AIRCRAFT

FLYING QUALITIES
USE FLIGHT CHARACTERISTICS

FLYING SPOT SCANNERS
0701 0702 0905 1506
GS OPTICAL EQUIPMENT
.OPTICAL SCANNERS
.#FLYING SPOT SCANNERS
SCANNERS
.OPTICAL SCANNERS
.#FLYING SPOT SCANNERS
RT DISPLAY DEVICES
ELECTRON GUNS
ELECTRON OPTICS
IMAGE TUBES
OSCILLOSCOPES
PHOTOTUBES
PICTURE TUBES
TELEVISION EQUIPMENT
VIDEO EQUIPMENT

FLYING WING AIRCRAFT
USE TAILLESS AIRCRAFT

FLYWHEELS
0303 1504
GS ROTATING BODIES
.ROTORS
.#FLYWHEELS
WHEELS
#FLYWHEELS
RT BALANCING
COUNTER-ROTATING WHEELS
ENERGY STORAGE
ENGINE PARTS
MECHANICAL ENGINEERING
REACTION WHEELS

FM (MODULATION)
USE FREQUENCY MODULATION

FM/PM (MODULATION)
0702 0705 0710 0902 1001 1002
GS CODING
.SIGNAL ENCODING
..FREQUENCY MODULATION
..#FM/PM (MODULATION)
..PHASE MODULATION
..#FM/PM (MODULATION)
MODULATION
.FREQUENCY MODULATION
.#FM/PM (MODULATION)
.PHASE MODULATION
.#FM/PM (MODULATION)
RT DATA TRANSMISSION

FOAMING
0602 1704 2601
RT BENEFICIATION
FLOTATION
FOAMS
METAL FOAMS
% SEPARATION
SURFACE PROPERTIES
SWIRLING
WETTING

FOAMS
0603 1809 1810
UF CELLULAR MATERIALS (NON BIOLOGICAL)
GS #FOAMS
.METAL FOAMS
RT AEROGELS
BUBBLES
COLLOIDS
EXPLOSION SUPPRESSION
FIRE EXTINGUISHERS
FIRE FIGHTING
FOAMING
LOW DENSITY MATERIALS
% MATERIALS
POLYURETHANE FOAM
STYROFOAM (TRADEMARK)

FOCAL PLANE ARRAYS
USE FOCAL PLANE DEVICES

FOCAL PLANE DEVICES
1404 1406 1409
UF FOCAL PLANE ARRAYS
RT ARRAYS
CHARGE COUPLED DEVICES
INFRARED DETECTORS
LINEAR ARRAYS
MOSAICS
PHOTODIODES

FOCI
1412 1902 2306 2307 2310 2402 2403
GS #FOCI
.PLASMA FOCUS
RT % CENTERS
FOCUSING
GEOMETRY
LOCI
% OPTICS
POINTS (MATHEMATICS)
RESOLUTION

FOCUSING
1412 2306 2307 2310 2402 2403
GS #FOCUSING
.DEFOCUSING
.PREFOCUSING
.SELF FOCUSING
RT ACCOMMODATION
ADJUSTING
ASTIGMATISM
CAMERAS
DISTANCE
FOCI
FRESNEL LENSES
GEOMETRICAL OPTICS
GRAVITATIONAL LENSES
IMAGE CONTRAST
IMAGE ENHANCEMENT
LASER CUTTING
LASER DRILLING
LENSES
PANORAMIC CAMERAS
SOLAR REFLECTORS
STEERING
STIGMATISM
VIGNETTING

FOETUSES
USE FETUSES

FOG
0603 1202 2001 2003 3202
GS MIXTURES
.DISPERSIONS
..COLLOIDS
...AEROSOLS
...#FOG
..LIQUID-GAS MIXTURES
...AEROSOLS
...#FOG
PARTICLES
.AEROSOLS
.#FOG
RT ANVIL CLOUDS
AVIATION METEOROLOGY
CIRROCUMULUS CLOUDS
CIRROSTRATUS CLOUDS
CLOUDS (METEOROLOGY)
DROP SIZE

```
        HAZE
        HAZE DETECTION
        MIST
        PRECIPITATION (METEOROLOGY)
        SMOG
        SMOKE
        STEAM
        STRATUS CLOUDS
        VISIBILITY

FOG DISPERSAL
  1308 2001 2003 2311
  GS    WEATHER MODIFICATION
        #FOG DISPERSAL
  RT    AEROSOLS
        CLIMATOLOGY
        CLOUD PHYSICS
        CLOUDS (METEOROLOGY)
        DISPERSING
        DISPERSIONS
        MIST
        PRECIPITATION (METEOROLOGY)

FOIL BEARINGS
  1501
  GS    BEARINGS
        #FOIL BEARINGS
  RT    GAS BEARINGS
        JOURNAL BEARINGS

% FOILS
  1504 1704 3202 3203
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED-CONSULT THE TERMS
        LISTED BELOW)
  RT    AIRFOILS
        FOILS (MATERIALS)
        HYDROFOILS
        MULTILAYER INSULATION

FOILS (MATERIALS)
  1704
  GS   #FOILS (MATERIALS)
        .METAL FOILS
  RT    AIRFOILS
     % FOILS
        HYDROFOILS
     % MATERIALS
        MULTILAYER INSULATION
        THIN PLATES

FOKKER AIRCRAFT
  0201 0204
  GS   #FOKKER AIRCRAFT
        .F-27 AIRCRAFT
        .F-28 TRANSPORT AIRCRAFT
  RT % AIRCRAFT

FOKKER BOND TESTERS
  USE   ADHESION TESTS

FOKKER F 27 AIRCRAFT
  USE   F-27 AIRCRAFT

FOKKER F 28 AIRCRAFT
  USE   F-28 TRANSPORT AIRCRAFT

FOKKER FRIENDSHIP AIRCRAFT
  USE   F-27 AIRCRAFT

FOKKER-PLANCK EQUATION
  1203 2401 2404 3501
  GS    ANALYSIS (MATHEMATICS)
        .REAL VARIABLES
        ..DIFFERENTIAL EQUATIONS
        ...PARTIAL DIFFERENTIAL EQUATIONS
        ...#FOKKER-PLANCK EQUATION
  RT    BOLTZMANN TRANSPORT EQUATION
        BROWNIAN MOVEMENTS
        DENSITY DISTRIBUTION
        DIFFUSION THEORY
     % EQUATIONS
        IONIZED GASES
        STOCHASTIC PROCESSES

FOLDING
  1504 3407
  UF    CRIMPING
  RT    BENDING
        BINDING
        CURL (MATERIALS)
        DISTORTION
        FLEXING

FOLDING FIN AIRCRAFT ROCKET VEHICLE
  3106
  UF    FFAR ROCKET VEHICLE
  GS    ROCKET VEHICLES
        #FOLDING FIN AIRCRAFT ROCKET
         VEHICLE
  RT % AIRCRAFT
        SOLID PROPELLANT ROCKET ENGINES

FOLDING STRUCTURES
  0102 0208 3202
  UF    ROGALLO WINGS
        TELESCOPING STRUCTURES
  GS   #FOLDING STRUCTURES
        .SAILWINGS
  RT    ANTENNAS
        BALLOONS
        BALLUTES
        EXPANDABLE STRUCTURES
        FURLABLE ANTENNAS
        INFLATABLE STRUCTURES
        PADDLES
        PARACHUTES
        PARAGLIDERS
        PARAVULCOONS
        PARAWINGS
        ROTARY WINGS
        SPACE ERECTABLE STRUCTURES
        SPACECRAFT STRUCTURES
     % STRUCTURES
        VARIABLE GEOMETRY STRUCTURES
        VARIABLE SWEEP WINGS

FOLDS (GEOLOGY)
  1306
  UF    NAPPES
  RT    EARTH CRUST
        FISSURES (GEOLOGY)
        GEOLOGICAL FAULTS
        GREAT BASIN (US)
     % LAYERS
        OUTCROPS
        ROCKS
        SEAMOUNTS
        STRATA
        STRATIFICATION

FOLIAGE
  0404 0409
  RT    BROWN WAVE EFFECT
        CANOPIES (VEGETATION)
        DECIDUOUS TREES
        DEFOLIANTS
        GREEN WAVE EFFECT
        HERBICIDES
        LEAVES
        LOCUSTS
        PLANTS (BOTANY)
        TIMBER VIGOR

FOLIC ACID
  0403 0404 1808
  UF    VITAMIN M
  GS    ACIDS
        .AMINO ACIDS
        .#FOLIC ACID
        .CARBOXYLIC ACIDS
        .#FOLIC ACID
        NITROGEN COMPOUNDS
        #FOLIC ACID
        ORGANIC COMPOUNDS
```

.AMINO ACIDS
.#FOLIC ACID
.CARBOXYLIC ACIDS
.#FOLIC ACID
.CYCLIC COMPOUNDS
..HETEROCYCLIC COMPOUNDS
..#FOLIC ACID
VITAMINS
#FOLIC ACID

% FOOD
0403 0404 0405 0505
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT ALFALFA
BARLEY
BEVERAGES
BROTHS
CALORIC REQUIREMENTS
CANNING
CARBOHYDRATES
CITRUS TREES
CONSUMABLES (SPACECREW SUPPLIES)
CORN
DECONTAMINATION
DEHYDRATED FOOD
DIETS
DIGESTING
DISTRIBUTING
EARTH RESOURCES
EATING
EGGS
FATS
FISHES
FLOUR (FOOD)
FOOD CHAIN
FOOD PRODUCTION (IN SPACE)
FROZEN FOODS
FRUITS
GELATINS
HAY
LEGUMINOUS PLANTS
MILK
MILLET
NUTRITION
OATS
ORCHARDS
PEPPERS
POTATOES
PRESERVING
PROTEINS
PROVISIONING
RATIONS
SERVICES
SOYBEANS
SPACE FLIGHT FEEDING
SPACE RATIONS
SPINACH
STARCHES
SUGAR CANE
SUGARS
SYNTHETIC FOOD
TOMATOES
VEGETABLES
VINEYARDS
VITAMINS
YEAST

FOOD CHAIN
0405
RT ANIMALS
ECOSYSTEMS
% FOOD
PLANTS (BOTANY)

FOOD INTAKE
0404 0405 0408
RT FASTING
SPACE FLIGHT FEEDING
SYNTHETIC FOOD

FOOD PROCESSING
0504
GS #FOOD PROCESSING
.CANNING
.PRESERVING
RT DEHYDRATED FOOD
FROZEN FOODS
% PROCESSING

FOOD PRODUCTION (IN SPACE)
0401 0404
RT CLOSED ECOLOGICAL SYSTEMS
CONSUMABLES (SPACECREW SUPPLIES)
% FOOD
% PRODUCTION
SPACE FLIGHT FEEDING
SPACE RATIONS

FOOTPRINTS
1504
RT AIRCRAFT NOISE
ANTENNA RADIATION PATTERNS
MATHEMATICAL MODELS

FORBIDDEN BANDS
1203 2306 2401 2402 2403 2405
GS ENERGY BANDS
#FORBIDDEN BANDS
RT BAND STRUCTURE OF SOLIDS
% BANDS
ELECTRON ENERGY
FREE ELECTRONS
LATTICE VIBRATIONS
WAVE EQUATIONS

FORBIDDEN TRANSITIONS
1203 2403 2405
RT ELECTRON TRANSITIONS
FRANCK-CONDON PRINCIPLE
QUANTUM THEORY
SELECTION RULES (NUCLEAR PHYSICS)
% SOLID STATE PHYSICS
% TRANSITION
WAVE FUNCTIONS

FORBUSH DECREASES
1302 2402 2901 2902
UF FORBUSH EFFECT
RT COSMIC RAYS
% EFFECTS
MAGNETIC STORMS
SOLAR FLARES
SOLAR FURNACES
SOLAR STORMS

FORBUSH EFFECT
USE FORBUSH DECREASES

% FORCE
2304 2308 2311
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
UF REPULSION
RT ACCELERATION (PHYSICS)
AERODYNAMIC FORCES
ATTRACTION
CENTRIFUGAL FORCE
CENTRIPETAL FORCE
ELECTRIC FIELD STRENGTH
HIGH IMPULSE
INERTIA
KINETICS
LINES OF FORCE
LOADS (FORCES)
LORENTZ FORCE
NEWTON
NONCONSERVATIVE FORCES
NULL ZONES
PONDEROMOTIVE FORCES
PRESSURE
PULLING
PUSHING

THRUST
THRUST MEASUREMENT
TORQUE
TORSION
VAN DER WAALS FORCES
WEIGHT (MASS)
ZERO FORCE CURVES

FORCE DISTRIBUTION
1309 2304 2307 2308 2311
UF LIFT DISTRIBUTION
NORMAL FORCE DISTRIBUTION
GS DISTRIBUTION (PROPERTY)
#FORCE DISTRIBUTION
RT AERODYNAMIC COEFFICIENTS
AERODYNAMIC LOADS
ANGULAR DISTRIBUTION
CHARGE DISTRIBUTION
ENERGY DISTRIBUTION
INFLUENCE COEFFICIENT
LIFT DRAG RATIO
LOADS (FORCES)
MASS DISTRIBUTION
MOMENT DISTRIBUTION
SCALE EFFECT
STRESS CONCENTRATION
STRESS DISTRIBUTION
STRESS INTENSITY FACTORS
SWEEP EFFECT
THRUST DISTRIBUTION
TRANSVERSE LOADS
WING LOADING

FORCE FIELDS
USE FIELD THEORY (PHYSICS)

FORCE VECTOR RECORDERS
1403
GS MEASURING INSTRUMENTS
#FORCE VECTOR RECORDERS
RECORDING INSTRUMENTS
#FORCE VECTOR RECORDERS
RT % INSTRUMENTS

FORCE-FREE MAGNETIC FIELDS
2307
GS MAGNETIC FIELDS
#FORCE-FREE MAGNETIC FIELDS
RT MAGNETIC FIELD CONFIGURATIONS
MAGNETIC FLUX
MAGNETOHYDRODYNAMIC STABILITY
SOLAR FLARES
SOLAR MAGNETIC FIELD

FORCED CONVECTION
0602 1203 3303 3501
GS CONVECTION
#FORCED CONVECTION
RT BLOWING
CONVECTIVE HEAT TRANSFER
FREE CONVECTION
HEAT TRANSFER
LAMINAR FLOW
PRANDTL NUMBER
RAYLEIGH-BENARD CONVECTION
STANTON NUMBER

FORCED OSCILLATION
USE FORCED VIBRATION

FORCED VIBRATION
1504 2308 3203
UF FORCED OSCILLATION
FORCED VIBRATORY MOTION EQUATIONS
GS VIBRATION
#FORCED VIBRATION
RT FLUTTER
FREE VIBRATION
RANDOM VIBRATION
SELF EXCITATION
SELF INDUCED VIBRATION

FORCED VIBRATORY MOTION EQUATIONS
USE EQUATIONS
FORCED VIBRATION

FOREARM
0404
GS ANATOMY
.LIMBS (ANATOMY)
..ARM (ANATOMY)
..#FOREARM
APPENDAGES
.ARM (ANATOMY)
.#FOREARM

FOREBODIES
0101 0102 3110
GS #FOREBODIES
.NOSES (FOREBODIES)
..NOSE CONES
...ABLATIVE NOSE CONES
...ROCKET NOSE CONES
RT AFTERBODIES
AIRCRAFT STRUCTURES
BLUFF BODIES
BLUNT BODIES
BLUNT LEADING EDGES
% BOWS
CENTERBODIES
CYLINDRICAL BODIES
HAMMERHEAD CONFIGURATION
LEADING EDGES
SHARP LEADING EDGES

FORECASTING
1905 2003 3401 3402
UF FORECASTS
GS #FORECASTING
.PERFORMANCE PREDICTION
.PREDICTION ANALYSIS TECHNIQUES
.TECHNOLOGICAL FORECASTING
..DELPHI METHOD (FORECASTING)
..PATTERN METHOD (FORECASTING)
..PROBE METHOD (FORECASTING)
..PROFILE METHOD (FORECASTING)
.WEATHER FORECASTING
..LONG RANGE WEATHER FORECASTING
..NOWCASTING
..NUMERICAL WEATHER FORECASTING
..STATISTICAL WEATHER FORECASTING
RT % ANALYZING
BUDGETING
CONFIDENCE LIMITS
CORRELATION
CURVE FITTING
ESTIMATES
ESTIMATING
EVALUATION
EXPECTATION
EXTRAPOLATION
MANAGEMENT
MANAGEMENT METHODS
MANAGEMENT PLANNING
MATHEMATICAL MODELS
MAXIMUM LIKELIHOOD ESTIMATES
MISSION PLANNING
NOISE PREDICTION (AIRCRAFT)
OPERATIONS RESEARCH
PLANNING
PREDICTIONS
PROBABILITY THEORY
PROJECT PLANNING
% PROJECTION
REGRESSION ANALYSIS
REGRESSION COEFFICIENTS
RELIABILITY
RESERVES
RISK
SCHEDULING
STATISTICAL ANALYSIS
STATISTICAL DISTRIBUTIONS
SYSTEMS ENGINEERING
TIME SERIES ANALYSIS
TRENDS

```
FORECASTS
  USE  FORECASTING

FOREHEAD
  0404
  GS   ANATOMY
       .FACE (ANATOMY)
       .#FOREHEAD
  RT   HEAD (ANATOMY)
       SKULL

FOREIGN BODIES
  0203 0405 3005
  RT   AIRCRAFT HAZARDS
     % BODIES
       INJURIES
       METEORITES

FOREIGN POLICY
  3401 3402 3403 3409
  GS  #FOREIGN POLICY
       .INTERNATIONAL RELATIONS
       ..INTERNATIONAL COOPERATION
       ...OUTER SPACE TREATY
  RT % BUDGETS
       EUROPEAN SPACE PROGRAMS
       INTERNATIONAL HYDROLOGICAL DECADE

FOREIGN TRADE
  USE  INTERNATIONAL TRADE

FORENSIC SCIENCES
  USE  LAW (JURISPRUDENCE)

FOREST FIRE DETECTION
  1401 1404 1409 1412
  GS   DETECTION
       #FOREST FIRE DETECTION
  RT   AERIAL PHOTOGRAPHY
     % DETECTORS
       HAZE DETECTION
       INFRARED DETECTORS
       INFRARED INSTRUMENTS
       INFRARED PHOTOGRAPHY
       INFRARED RADIOMETERS
       INFRARED SCANNERS
       MEASURING INSTRUMENTS
       OBSERVATION
       RADIOMETERS
       SATELLITE-BORNE PHOTOGRAPHY
       SURVEILLANCE

FOREST FIRES
  0603
  GS   FIRES
       #FOREST FIRES
  RT   AIR POLLUTION
       ASHES
       COMBUSTION
       FIRE PREVENTION
       FIREBREAKS
       FLAMES
       FORESTS
       SMOKE
       WASTES

FOREST MANAGEMENT
  3406
  GS   MANAGEMENT
       .RESOURCES MANAGEMENT
       .#FOREST MANAGEMENT
       ...REFORESTATION
  RT   CONSERVATION
       EARTH RESOURCES
       FORESTS
       LAND USE
       REGIONAL PLANNING
       TIMBER INVENTORY

FORESTS
  0404 0409
  UF   LUMBERING AREAS
  GS   RESOURCES
       .EARTH RESOURCES
       .#FORESTS
       ...RAIN FORESTS
  RT   AMAZON REGION (SOUTH AMERICA)
       CANOPIES (VEGETATION)
       CLEARINGS (OPENINGS)
       CONIFERS
       CONSERVATION
       DECIDUOUS TREES
       DEFOLIANTS
       DEFOLIATION
       DEFORESTATION
       FIREBREAKS
       FOREST FIRES
       FOREST MANAGEMENT
       HERBICIDES
       LOGGING (INDUSTRY)
       PLANTS (BOTANY)
       REFORESTATION
       REGIONAL PLANNING
       SILVICULTURE
       TIMBER IDENTIFICATION
       TIMBER INVENTORY
       TIMBER VIGOR
       TIMBERLINE
       TREES (PLANTS)
       WILDERNESS

FORGING
  0602 1507 1701 1704
  UF   METAL FORGING
  GS   FORMING TECHNIQUES
       #FORGING
       METAL WORKING
       #FORGING
  RT   AUSFORMING
       BILLETS
       BULGING
       CASTING
       COINING
       COLD WORKING
       HEAT TREATMENT
       HOT ISOSTATIC PRESSING
       HOT PRESSING
       HOT WORKING
       PIERCING
       PRESSING (FORMING)
       RHEOCASTING
     % ROLLING
       SQUEEZE CASTING
       STAMPING

FORKS
  1504
  RT   CONVEYORS
       HOOKS

FORM
  USE  SHAPES

FORM FACTORS
  2402 2403
  RT   APPROXIMATION
       COUPLING COEFFICIENTS
       FUNCTIONAL ANALYSIS
       HARMONIC ANALYSIS
       RECTIFIERS
       SCATTERING COEFFICIENTS
       SERIES (MATHEMATICS)
       SQUARE WAVES
       TRANSDUCERS
     % VARIABLE
       WAVEFORMS
       X RAY SCATTERING

FORM PERCEPTION
  USE  SPACE PERCEPTION

FORMALDEHYDE
  0403 1808
  GS   ALDEHYDES
```

```
      #FORMALDEHYDE
  RT  PHENOL FORMALDEHYDE

FORMALISM
  1902
  RT  COMPUTER PROGRAMMING
      DYNAMIC PROGRAMMING
      HARDWARE DESCRIPTION LANGUAGES
      LINEAR PROGRAMMING
    % LOGIC
      NONLINEAR PROGRAMMING
      PARAMETERIZATION
      SCHEDULING

FORMAT
  0802
  RT  COMPUTER PROGRAMMING
      DOCUMENTS
      EDITING
      FRAMES (DATA PROCESSING)
      PRINTOUTS
      RECORDS
      SYNTAX
      TEXTS

FORMATES
  0403 0603 1808
  GS  #FORMATES
      .CHLOROFORMATE
      .NITROFORMATES
  RT  FORMIC ACID
      FORMYL IONS

% FORMATION
  0409 1305
  SN  (USE OF A MORE SPECIFIC TERM IS
      RECOMMENDED -- CONSULT THE TERMS
      LISTED BELOW)
  RT  FORMATIONS
      GROWTH
      NUCLEATION
      STRATIGRAPHY

FORMATION HEAT
  USE HEAT OF FORMATION

FORMATIONS
  1305
  RT  CONTACTS (GEOLOGY)
    % FORMATION
      FRACTURING
      GAS INJECTION
      GEOLOGICAL FAULTS
      GEOLOGY
      GEOPHYSICS
      GREAT BASIN (US)
    % LAYERS
      MOUNTAINS
      OUTCROPS
      OUTLIERS (LANDFORMS)
      PALEONTOLOGY
      PERFORATING
      PERMEABILITY
      PETROLOGY
      POROSITY
      ROCKS
      SHATTER CONES
      SOILS
      STAIRSTEPS
      STRATIGRAPHY
      TERRACES (LANDFORMS)
      WETTABILITY

FORMHYDROXAMIC ACID
  0403 1808
  GS  ACIDS
      .CARBOXYLIC ACIDS
      .#FORMHYDROXAMIC ACID
      NITROGEN COMPOUNDS
      .AMIDES
      .#FORMHYDROXAMIC ACID
      ORGANIC COMPOUNDS
      .CARBOXYLIC ACIDS
      .#FORMHYDROXAMIC ACID

FORMIC ACID
  0403 0603 1808
  GS  ACIDS
      .CARBOXYLIC ACIDS
      .#FORMIC ACID
      ORGANIC COMPOUNDS
      .CARBOXYLIC ACIDS
      .#FORMIC ACID
  RT  FORMATES
      FORMYL IONS

FORMICA
  1801 1805
  RT  LAMINATES
    % POLYMERS
      THERMOSETTING RESINS

FORMING TECHNIQUES
  1504 3407
  SN  (TECHNIQUES OF SHAPING ITEM)
  UF  METAL FORMING
  GS  #FORMING TECHNIQUES
      .CASTING
      ..CENTRIFUGAL CASTING
      ..INVESTMENT CASTING
      ..PROPELLANT CASTING
      ..RHEOCASTING
      ..SAND CASTING
      ..SLIP CASTING
      ..SQUEEZE CASTING
      .COLD WORKING
      ..COLD ROLLING
      ..ELECTROHYDRAULIC FORMING
      ..EXPLOSIVE FORMING
      .ELECTROFORMING
      .EXTRUDING
      ..PULTRUSION
      .FORGING
      .HOT WORKING
      ..AUSFORMING
      .INJECTION MOLDING
      .MAGNETIC FORMING
      .METAL DRAWING
      .METAL SPINNING
      ..HYDROSPINNING
      .PRESSING (FORMING)
      ..BLANKING (CUTTING)
      ..COINING
      ..STAMPING
      .RESIN TRANSFER MOLDING
      .ROLL FORMING
  RT % BLANKING
      CUTTING
      DEPOSITION
      ELECTROMAGNETIC HAMMERS
      HOT MACHINING
      LASER CUTTING
      MACHINING
      METAL GRINDING
      METAL WORKING
      SPRAYING
      UPSETTING

FORMS (PAPER)
  0802
  RT  BLANKS
      DATA ACQUISITION

% FORMULAS
  0505 0603 1902
  SN  (USE OF A MORE SPECIFIC TERM IS
      RECOMMENDED--CONSULT THE TERMS
      LISTED BELOW)
  RT  COMPUTATION
      FORMULAS (MATHEMATICS)
      FORMULATIONS
      KRAMERS-KRONIG FORMULA

FORMULAS (MATHEMATICS)
  1902
```

```
  UF    EXPRESSIONS (MATHEMATICS)
  GS    MATHEMATICAL LOGIC
        #FORMULAS (MATHEMATICS)
        ..BETHE-HEITLER FORMULA
  RT  % FORMULAS
      % MATHEMATICS

FORMULATIONS
  0603 1701 1805 1902
  RT    ADMIXTURES
      % COMPOSITION
      % FORMULAS
        INGREDIENTS
        MIXTURES
        PARAMETERIZATION
        STOICHIOMETRY

FORMYL IONS
  3001
  GS    IONS
        .MOLECULAR IONS
        .#FORMYL IONS
        .POSITIVE IONS
        ..CATIONS
        ..#FORMYL IONS
        RADICALS
        #FORMYL IONS
  RT    ATMOSPHERIC CHEMISTRY
        FORMATES
        FORMIC ACID
        HYDROXYL RADICALS
        INTERSTELLAR CHEMISTRY
        INTERSTELLAR MATTER

FORSTERITE
  0603 1804 1806
  GS    MAGNESIUM COMPOUNDS
        #FORSTERITE
        MINERALS
        .OLIVINE
        .#FORSTERITE
        SILICON COMPOUNDS
        .SILICATES
        .#FORSTERITE
  RT    REFRACTORIES

FORTH (PROGRAMMING LANGUAGE)
  0802
  GS    LANGUAGES
        .PROGRAMMING LANGUAGES
        .#FORTH (PROGRAMMING LANGUAGE)
  RT    COMPUTER PROGRAMMING

FORTISAN (TRADEMARK)
  1805 1811
  GS    FABRICS
        #FORTISAN (TRADEMARK)
        FIBERS
        .SYNTHETIC FIBERS
        .#FORTISAN (TRADEMARK)
        ORGANIC COMPOUNDS
        .CARBOHYDRATES
        ..POLYSACCHARIDES
        ...CELLULOSE
        ...#FORTISAN (TRADEMARK)
  RT    PARACHUTE FABRICS

FORTRAN
  0802
  UF    FAB (PROGRAMMING LANGUAGE)
  GS    LANGUAGES
        .PROGRAMMING LANGUAGES
        .#FORTRAN
  RT    COBOL
        COMPILERS
        COMPUTER PROGRAMMING
        PL/1

FORWARD LOOKING INFRARED DETECTORS
  USE   FLIR DETECTORS

FORWARD SCATTERING
  2402 2403
  GS    SCATTERING
        #FORWARD SCATTERING
  RT    BACKSCATTERING
        INVERSE SCATTERING
        LIGHT SCATTERING
        NUCLEAR SCATTERING
        SCATTER PROPAGATION

FOSSIL FUELS
  0602 1306 1805 1808 2701 2702 2801
  GS    RESOURCES
        .EARTH RESOURCES
        .#FOSSIL FUELS
        ...COAL
        ....ANTHRACITE
        ....LIGNITE
        ....SOLVENT REFINED COAL
        ...CRUDE OIL
        ...NATURAL GAS
        ...PEAT
  RT    CARBONACEOUS MATERIALS
        UNDERWATER RESOURCES

FOSSIL METEORITE CRATERS
  USE   FOSSILS
        METEORITE CRATERS

FOSSILS
  0404 1306
  UF    FOSSIL METEORITE CRATERS
  RT    ARCHAEOLOGY
        PALEOBIOLOGY
        PALEONTOLOGY
        PARTICLE TRACKS
        RADIOACTIVE AGE DETERMINATION

FOSTER THEORY
  1001 2304
  RT    NETWORK ANALYSIS
        REACTANCE
        RESONANCE
      % THEORIES

FOULING
  1504 1505 1702 3407
  GS   #FOULING
        .ANTIFOULING
  RT    CONTAMINATION
        CORROSION
        DEPOSITION
        ICE FORMATION
        PLUGGING
        RETARDING

FOUNDATIONS
  1902 3203 3406
  UF    BASES (FOUNDATIONS)
        STRUCTURAL FOUNDATIONS
  GS   #FOUNDATIONS
        .PILE FOUNDATIONS
  RT    BASEMENTS
      % BASES
        CAISSONS
        CONCRETE STRUCTURES
        EXCAVATION
        GEOTECHNICAL ENGINEERING
        OVERCONSOLIDATION
      % PAD
        PAVEMENTS
        SKIRTS
        STRUCTURAL MEMBERS
      % STRUCTURES
        SUBSTRUCTURES
        SUPPORTS
        UNDERGROUND STRUCTURES

FOUNDRIES
  0602 1504 1704
  GS    INDUSTRIAL PLANTS
        #FOUNDRIES
  RT    FURNACES
      % METALLURGY
```

```
      MOLDS

FOUR BODY PROBLEM
  1902 2308 2311 3009
  RT   CELESTIAL MECHANICS
       MANY BODY PROBLEM
       ORBITS
       PERTURBATION
     % PROBLEMS
       THREE BODY PROBLEM

FOUR-WAVE MIXING
  0710 2306 2310
  GS   CONJUGATION
       .PHASE CONJUGATION
       .#FOUR-WAVE MIXING
  RT   COHERENT LIGHT
       COLLIMATION
       LASER BEAMS
       LIGHT AMPLIFIERS
       LIGHT BEAMS
       NONLINEAR OPTICS
       OPTICAL BISTABILITY
       PHASE COHERENCE
       SIGNAL MIXING
       WAVE INTERACTION

FOURIER ANALYSIS
  1902 2311
  GS   ANALYSIS (MATHEMATICS)
       #FOURIER ANALYSIS
       ..FOURIER SERIES
  RT   AUTOCORRELATION
       DATA COMPRESSION
       DIFFERENTIAL EQUATIONS
       DIVERGENCE
       EXPONENTIAL FUNCTIONS
       FREQUENCY DISTRIBUTION
       HARMONIC ANALYSIS
       HARMONIC EXCITATION
       HARMONIC FUNCTIONS
       HARMONIC GENERATIONS
       HARMONIC OSCILLATION
       HARMONICS
       INFORMATION THEORY
       KURTOSIS
       LINEAR TRANSFORMATIONS
       MEASURE AND INTEGRATION
       OPERATIONAL CALCULUS
       PERIODIC FUNCTIONS
       PERIODIC VARIATIONS
       REAL VARIABLES
       SIMPLE HARMONIC MOTION
       TIME SERIES ANALYSIS
       WAVELET ANALYSIS

FOURIER LAW
  1902 2311
  GS   LAWS
       #FOURIER LAW
  RT   THERMAL CONDUCTIVITY

FOURIER SERIES
  1902
  GS   ANALYSIS (MATHEMATICS)
       .CALCULUS
       ..SERIES (MATHEMATICS)
       ..#FOURIER SERIES
       .FOURIER ANALYSIS
       .#FOURIER SERIES
       .REAL VARIABLES
       ..SERIES (MATHEMATICS)
       ..#FOURIER SERIES
  RT   GIBBS PHENOMENON

FOURIER TRANSFORMATION
  1411 1902
  GS   ANALYSIS (MATHEMATICS)
       .FUNCTIONAL ANALYSIS
       ..INTEGRAL TRANSFORMATIONS
       ..#FOURIER TRANSFORMATION
       FUNCTIONS (MATHEMATICS)
       #FOURIER TRANSFORMATION
       ..FAST FOURIER TRANSFORMATIONS
       TRANSFORMATIONS (MATHEMATICS)
       .INTEGRAL TRANSFORMATIONS
       .#FOURIER TRANSFORMATION
       ...FAST FOURIER TRANSFORMATIONS
  RT   BBGKY HIERARCHY
       HOLOGRAPHIC SPECTROSCOPY
       MAXIMUM ENTROPY METHOD
       WALSH FUNCTION
       WAVELET ANALYSIS

FOURIER-BESSEL TRANSFORMATIONS
  1902
  GS   ANALYSIS (MATHEMATICS)
       .CALCULUS
       .#FOURIER-BESSEL TRANSFORMATIONS
       .REAL VARIABLES
       .#FOURIER-BESSEL TRANSFORMATIONS
       FUNCTIONS (MATHEMATICS)
       #FOURIER-BESSEL TRANSFORMATIONS
       TRANSFORMATIONS (MATHEMATICS)
       .INTEGRAL TRANSFORMATIONS
       .#FOURIER-BESSEL TRANSFORMATIONS
  RT   DIFFERENTIAL EQUATIONS
       SERIES (MATHEMATICS)

FOVEA
  0404
  GS   ANATOMY
       .SENSE ORGANS
       ..EYE (ANATOMY)
       ...RETINA
       ...#FOVEA
  RT   SACCADIC EYE MOVEMENTS

FR-1 SATELLITE
  3107 3401
  GS   ARTIFICIAL SATELLITES
       .FRENCH SATELLITES
       .#FR-1 SATELLITE

FRACTALS
  1902
  GS   DIMENSIONS
       #FRACTALS
       GEOMETRY
       #FRACTALS
  RT % APPLICATIONS OF MATHEMATICS
       COORDINATES
       EXPONENTS
       HALF SPACES
     % MATHEMATICS
       RATIOS
       SET THEORY
     % SPACE
       STRANGE ATTRACTORS

FRACTIONATION
  0403 0602
  GS  #FRACTIONATION
       .CHEMICAL FRACTIONATION
       .HYDROCRACKING
  RT   REFINING
       RETORT PROCESSING
     % SEPARATION
       SOLVENT REFINED COAL

FRACTIONS
  1502 1704
  SN   (EXCLUDES MATHEMATICAL CONCEPTS)
  RT % COMPONENTS
       FINES
       PARTICLE SIZE DISTRIBUTION
       RATIOS

FRACTOGRAPHY
  1704 3203
  GS   PHOTOGRAPHY
       #FRACTOGRAPHY
  RT   BRITTLENESS
       CRACK CLOSURE
       CRACK GEOMETRY
```

```
        CRACK PROPAGATION
        DUCTILITY
        ELBER EQUATION
        FATIGUE (MATERIALS)
        FRACTURES (MATERIALS)
      % METALLURGY

FRACTURE MECHANICS
  3203
  UF    FAULT MECHANICS
        MOHR CIRCLES
  RT    BEND TESTS
        BURST TESTS
        CAUSTICS (OPTICS)
        CRACK CLOSURE
        CRACK INITIATION
        CRACK OPENING DISPLACEMENT
        CRACK PROPAGATION
        ELBER EQUATION
        FINITE ELEMENT METHOD
        FRACTURING
        GRIFFITH CRACK
        HOLE GEOMETRY (MECHANICS)
        ISOPARAMETRIC FINITE ELEMENTS
        J INTEGRAL
      % MECHANICS (PHYSICS)
        MICROMECHANICS
        PLANE STRAIN
        RESIDUAL STRENGTH
        ROCK MECHANICS
        RUPTURING
        SHORT CRACKS
        SOIL MECHANICS
        STRAIN DISTRIBUTION
        STRESS DISTRIBUTION
        STRESS INTENSITY FACTORS
        STRESS TENSORS
        TIME TEMPERATURE PARAMETER

FRACTURE RESISTANCE
  USE   FRACTURE STRENGTH

FRACTURE STRENGTH
  3203
  UF    FRACTURE RESISTANCE
        FRACTURE TOUGHNESS
  GS    MECHANICAL PROPERTIES
        #FRACTURE STRENGTH
  RT    BEND TESTS
        BRITTLE MATERIALS
        BRITTLENESS
        BURST TESTS
        CARBON-CARBON COMPOSITES
        CRACK CLOSURE
        CRACK INITIATION
        CRACK OPENING DISPLACEMENT
        CRACK PROPAGATION
        CREEP RUPTURE STRENGTH
        DUCTILE-BRITTLE TRANSITION
        DUCTILITY
        EARTHQUAKE RESISTANCE
        EUTECTIC COMPOSITES
        HARDNESS
        J INTEGRAL
        LOAD CARRYING CAPACITY
        RESIDUAL STRENGTH
      % RESISTANCE
        RETIREMENT FOR CAUSE
      % STRENGTH
        TOUGHNESS
        YIELD STRENGTH

FRACTURE TOUGHNESS
  USE   FRACTURE STRENGTH

FRACTURES (MATERIALS)
  1704 2601
  GS    #FRACTURES (MATERIALS)
        .CRACKS
        ..CRACK TIPS
        ..MICROCRACKS
        ..SHORT CRACKS
        ..SURFACE CRACKS
  RT    CRACK OPENING DISPLACEMENT
        DAMAGE
        DEFORMATION
        FAILURE
        FRACTOGRAPHY
      % MATERIALS

FRACTURING
  1504 3407
  GS    #FRACTURING
        .CRACKING (FRACTURING)
        ..STRESS CORROSION CRACKING
        .CRUSTAL FRACTURES
  RT    BRITTLENESS
        CHIPPING
        CRACK CLOSURE
        CRACK OPENING DISPLACEMENT
        CRACK PROPAGATION
        CUTTING
        FLAKING
        FORMATIONS
        FRACTURE MECHANICS
        FRAGMENTATION
        FRAGMENTS
        METAL FATIGUE
        PERFORATING
      % SEPARATION
        SPALLING
        SPLITTING
        STRESS FUNCTIONS
        STRUCTURAL FAILURE

FRAGMENTATION
  0602 1504 3401 3407
  UF    SHATTERING
  RT    ACOUSTIC STREAMING
        BREAKING
        BURSTS
        CHIPPING
        COMMINUTION
        FRACTURING
        FRAGMENTS
        PENETRATION
        SABOT PROJECTILES
        SHRAPNEL
        SPALLING
        TERMINAL BALLISTICS

FRAGMENTS
  1502 1704 3404
  RT    CHIPS
        DEBRIS
        EJECTA
        FRACTURING
        FRAGMENTATION
        SHRAPNEL

FRAME PHOTOGRAPHY
  1407 3501
  GS    PHOTOGRAPHY
        #FRAME PHOTOGRAPHY
  RT    BLACK AND WHITE PHOTOGRAPHY
        FRAMING CAMERAS
        HIGH SPEED CAMERAS

FRAMES
  0702 1407 1504 3202 3203
  GS    #FRAMES
        .AIRFRAMES
        .CHASSIS
        .UNDERCARRIAGES
  RT    CARRIAGES
        SPRINGS (ELASTIC)
      % STRUCTURES
        STRUTS
        SUPPORTS
        TRUSSES

FRAMES (DATA PROCESSING)
  0708
  RT    DATA MANAGEMENT
        DATA PROCESSING
```

```
        FORMAT
        IMAGE PROCESSING

FRAMING CAMERAS
  1412
  GS    OPTICAL EQUIPMENT
        .CAMERAS
        ..HIGH SPEED CAMERAS
        ..#FRAMING CAMERAS
        PHOTOGRAPHIC EQUIPMENT
        .CAMERAS
        ..HIGH SPEED CAMERAS
        ..#FRAMING CAMERAS
  RT    FRAME PHOTOGRAPHY
        ROTATING MIRRORS

FRANCE
  1305
  GS    NATIONS
        #FRANCE
        ..FRENCH GUIANA
        ..GUADELOUPE
        ..MARTINIQUE
  RT    ANDORRA
        ENGLISH CHANNEL
        EUROPE
        FRENCH SPACE PROGRAM
        PYRENEES MOUNTAINS (EUROPE)
        RHONE DELTA (FRANCE)

FRANCIUM
  0603 2406
  GS    CHEMICAL ELEMENTS
        .ALKALI METALS
        .#FRANCIUM
        METALS
        .ALKALI METALS
        .#FRANCIUM

FRANCK-CONDON PRINCIPLE
  2404 2405 2601
  RT    BORN-OPPENHEIMER APPROXIMATION
        COLOR CENTERS
        CONDUCTION BANDS
        ELECTRON TRANSITIONS
        FORBIDDEN TRANSITIONS
        OPTICAL TRANSITION

FRAUNHOFER LINE DISCRIMINATORS
  0601 1411 2404
  GS    CIRCUITS
        .DISCRIMINATORS
        .#FRAUNHOFER LINE DISCRIMINATORS
  RT    ABSORPTION SPECTRA
        LUMINESCENCE
        MEASURING INSTRUMENTS
        SPECTROSCOPIC ANALYSIS
        SPECTROSCOPY

FRAUNHOFER LINES
  1411 1902 2306 2903
  GS    SPECTRA
        .RADIATION SPECTRA
        ..ABSORPTION SPECTRA
        ..#FRAUNHOFER LINES
        ..ELECTROMAGNETIC SPECTRA
        ...LINE SPECTRA
        ...#FRAUNHOFER LINES
        .SPECTRAL BANDS
        ..ABSORPTION SPECTRA
        ..#FRAUNHOFER LINES
  RT    ABSORPTION SPECTROSCOPY
        OPTOGALVANIC SPECTROSCOPY
        SOLAR SPECTRA

FRAUNHOFER REGION
  USE   FAR FIELDS

FREDHOLM EQUATIONS
  1902 3501
  UF    FREDHOLM OPERATORS
  GS    ANALYSIS (MATHEMATICS)
        .FUNCTIONAL ANALYSIS
        ..INTEGRAL EQUATIONS
        ..#FREDHOLM EQUATIONS
  RT %  EQUATIONS
        POMERANCHUK THEOREM

FREDHOLM OPERATORS
  USE   FREDHOLM EQUATIONS
        OPERATORS (MATHEMATICS)

FREE ATMOSPHERE
  1302 1308 2003 3009
  GS    EARTH ATMOSPHERE
        #FREE ATMOSPHERE
  RT    BIOSPHERE
        MIDDLE ATMOSPHERE
        PRIMITIVE EARTH ATMOSPHERE

FREE BOUNDARIES
  1202 1902 2308
  GS    BOUNDARIES
        #FREE BOUNDARIES
  RT    FLUID BOUNDARIES
        INTERFACES
        JET FLOW
        JET MIXING FLOW
        JET STREAMS (METEOROLOGY)
        LIQUID SURFACES
        LIQUID-LIQUID INTERFACES
        LIQUID-VAPOR INTERFACES

FREE CONVECTION
  1203 3303 3501
  UF    THERMAL CONVECTION
  GS    CONVECTION
        #FREE CONVECTION
        ..RAYLEIGH-BENARD CONVECTION
        ...BENARD CELLS
  RT    CONVECTION CURRENTS
        CONVECTIVE FLOW
        CONVECTIVE HEAT TRANSFER
        FORCED CONVECTION
        LAMINAR FLOW
        MARANGONI CONVECTION
        POROUS BOUNDARY LAYER CONTROL
        SOLAR CONVECTION (ASTRONOMY)
        STELLAR CONVECTION
        TEMPERATURE
        THERMOSIPHONS
        TURBULENT FLOW

FREE ELECTRON LASERS
  1601
  GS    STIMULATED EMISSION DEVICES
        .LASERS
        .#FREE ELECTRON LASERS
  RT    DIFFRACTION RADIATION
        WIGGLER MAGNETS

FREE ELECTRONS
  0604 2401 2403
  GS    CHARGE CARRIERS
        #FREE ELECTRONS
  RT    BRILLOUIN ZONES
        CONDUCTION ELECTRONS
        ELECTRON AVALANCHE
        ELECTRON DENSITY (CONCENTRATION)
        ELECTRON GAS
        FORBIDDEN BANDS
        PLASMA FREQUENCIES
        RECOMBINATION COEFFICIENT

FREE ENERGY
  2311 3304
  GS    THERMODYNAMIC PROPERTIES
        #FREE ENERGY
        ..GIBBS FREE ENERGY
  RT    CHEMICAL ENERGY
      % ENERGY
        ENERGY OF FORMATION
        ENTHALPY
        GIBBS-HELMHOLTZ EQUATIONS
        INTERNAL ENERGY
```

```
    % LEVEL
      MOLECULAR ENERGY LEVELS
      THERMAL ENERGY
      THERMODYNAMICS

FREE FALL
  0408 2308 3006
  RT   AIR DROP OPERATIONS
       BALLISTIC TRAJECTORIES
       FALLING SPHERES
       PARACHUTE DESCENT
       WEIGHTLESSNESS

FREE FLIGHT
  0201
  RT % FLIGHT
       GLIDERS
       GLIDING
       HANG GLIDERS

FREE FLIGHT TEST APPARATUS
  0201 1108 3501
  RT   FLIGHT TESTS
     % TEST EQUIPMENT

FREE FLOW
  0101 1201 1202 1203 2404
  UF   FREE STREAM EFFECTS
       FREE STREAMS
  GS   FLUID FLOW
       #FREE FLOW
  RT   VOID RATIO

FREE JETS
  1201 1202 1203
  GS   FLUID JETS
       #FREE JETS
  RT   JET BOUNDARIES
       JET FLOW
     % JETS

FREE MOLECULAR FLOW
  0101 1203 2404 3501
  GS   FLUID FLOW
       .GAS FLOW
       .#FREE MOLECULAR FLOW
  RT   CONTINUUM FLOW
       KINETIC THEORY
       KNUDSEN FLOW
       MOLECULAR BEAMS
       RAREFIED GAS DYNAMICS
       RAREFIED GASES
       SLIP FLOW
       TRANSITION FLOW

FREE OSCILLATIONS
  USE  FREE VIBRATION

FREE RADICALS
  0403 0603 1804
  GS   RADICALS
       #FREE RADICALS
       ..HYDROXYL RADICALS
  RT   AMINO RADICAL
       ATOMS
       CARBENES
       IONS
       NEGATIVE IONS
       OXYGEN IONS
       TRIVALENT IONS
       VINYL RADICAL

FREE STREAM EFFECTS
  USE  FREE FLOW

FREE STREAMS
  USE  FREE FLOW

FREE VIBRATION
  2308 3203
  UF   FREE OSCILLATIONS
  GS   VIBRATION
       #FREE VIBRATION
  RT   FORCED VIBRATION
       LINEAR VIBRATION
       PROTON PRECESSION
       SELF EXCITATION
       SELF INDUCED VIBRATION
       VIBRATION MODE

FREE WING AIRCRAFT
  0102
  RT   AERODYNAMICS
     % AIRCRAFT
       AIRCRAFT DESIGN
       CONTROL SURFACES

FREE-PISTON ENGINES
  1504 3304
  GS   ENGINES
       .PISTON ENGINES
       .#FREE-PISTON ENGINES
  RT   AC GENERATORS
       LINEAR ALTERNATORS
       PISTONS
       SPACECRAFT POWER SUPPLIES
       STIRLING ENGINES

FREEDOM FIGHTER AIRCRAFT
  USE  F-5 AIRCRAFT

FREEDOM SPACE STATION
  USE  SPACE STATION FREEDOM

FREEZE DRYING
  0505 0602
  GS   DRYING
       #FREEZE DRYING
  RT   DEHYDRATED FOOD
       DEHYDRATION
       FREEZING
       FROZEN FOODS
       PRESERVING

FREEZING
  0603 2404 3303 3304 3501
  GS   PHASE TRANSFORMATIONS
       #FREEZING
       ..VIBRATIONAL FREEZING
       ..ZONE MELTING
  RT   ANTIFREEZES
       BAY ICE
       CLOUD GLACIATION
       COLD TRAPS
       COOLING
       CRYOGENIC COOLING
       CRYSTALLIZATION
       FREEZE DRYING
       FROST
       ICE FORMATION
       ICE NUCLEI
       LOW TEMPERATURE
       MELTING
       PRESERVING
       PRESSURE ICE
       REFRIGERATING
       SEA ICE
       SOLIDIFICATION
       SOLIDIFIED GASES

FREEZING POINTS
  USE  MELTING POINTS

FREIGHT
  USE  CARGO

FREIGHT COSTS
  0204 1103 1502 3402
  GS   COSTS
       #FREIGHT COSTS
  RT   CARGO
       FREIGHTERS
       TRANSPORTATION

FREIGHTERS
```

3404
RT FREIGHT COSTS
HARBORS
TRANSPORTATION
WHARVES

FRENCH EQUATORIAL CONGO
USE CONGO (BRAZZAVILLE)

FRENCH GUIANA
1305
GS NATIONS
.FRANCE
.#FRENCH GUIANA
RT CARIBBEAN REGION
SOUTH AMERICA

FRENCH SATELLITES
3107
GS ARTIFICIAL SATELLITES
#FRENCH SATELLITES
..D-1 SATELLITE
..D-2 SATELLITES
..EOLE SATELLITES
..FR-1 SATELLITE
..GEOLE SATELLITES
..PEOLE SATELLITES
..POSEIDON SATELLITE
..SPOT (FRENCH SATELLITE)
..SRET SATELLITES
...SRET 1 SATELLITE
...SRET 2 SATELLITE
RT EUROPEAN SPACE PROGRAMS
METEOSAT SATELLITE
SYMPHONIE SATELLITES

FRENCH SPACE PROGRAM
3409 3009
GS PROGRAMS
.SPACE PROGRAMS
..EUROPEAN SPACE PROGRAMS
..#FRENCH SPACE PROGRAM
RT EOLE SATELLITES
FRANCE
GEOLE SATELLITES
HERMES MANNED SPACEPLANE
INTERNATIONAL COOPERATION
METEOSAT SATELLITE
% RESEARCH PROJECTS
SPACE EXPLORATION
SPACE MISSIONS
% SPACECRAFT
SRET SATELLITES
SRET 1 SATELLITE

FRENKEL DEFECTS
2601 2603
GS DEFECTS
.CRYSTAL DEFECTS
..POINT DEFECTS
...VACANCIES (CRYSTAL DEFECTS)
...#FRENKEL DEFECTS

FREON
0403 1803 1808 0603 1803 1808
RT AIR CONDITIONING
COOLANTS
COOLING
COOLING SYSTEMS
FLUOROHYDROCARBONS
GAS COOLING
REFRIGERANTS
REFRIGERATING

FREQUENCIES
0702 0705 0709 0710 0905 1002 2308
2402
UF FREQUENCY BANDS
GS #FREQUENCIES
.ACOUSTIC FREQUENCIES
..AUDIO FREQUENCIES
...QUEFRENCIES
.BEAT FREQUENCIES
.BROADBAND
.BRUNT-VAISALA FREQUENCY
.CARRIER FREQUENCIES
.CRITICAL FREQUENCIES
.CYCLOTRON FREQUENCY
.EXTREMELY LOW FREQUENCIES
.INFRASONIC FREQUENCIES
.INTERMEDIATE FREQUENCIES
.IONIZATION FREQUENCIES
.MAXIMUM USABLE FREQUENCY
.NYQUIST FREQUENCIES
.PLASMA FREQUENCIES
.RADIO FREQUENCIES
..EXTREMELY LOW RADIO FREQUENCIES
..HIGH FREQUENCIES
..LOW FREQUENCIES
...VERY LOW FREQUENCIES
..LOW FREQUENCY BANDS
...VERY LOW FREQUENCIES
..MICROWAVE FREQUENCIES
...C BAND
...EXTREMELY HIGH FREQUENCIES
...P BAND
...SUPERHIGH FREQUENCIES
..ULTRAHIGH FREQUENCIES
...P BAND
..VERY HIGH FREQUENCIES
...P BAND
.RESONANT FREQUENCIES
.SUBAUDIBLE FREQUENCIES
.SWEEP FREQUENCY
RT AEOLIAN TONES
AMPLITUDES
% BANDS
BANDWIDTH
BROADBAND AMPLIFIERS
CHANNEL CAPACITY
% CHANNELS
FREQUENCY DISTRIBUTION
FREQUENCY RANGES
FREQUENCY REUSE
HARMONICS
LINE SPECTRA
LONGITUDINAL WAVES
MICROCHANNELS
MILLIMETER WAVES
NARROWBAND
% PITCH
RADIO WAVES
SPECTRAL BANDS
STANDING WAVES
SUBMILLIMETER WAVES
SUPERHARMONICS

FREQUENCY ANALYZERS
0705 1001 1002 1411 2311
RT HARMONIC ANALYSIS
INTERMODULATION
OSCILLOSCOPES
SELECTIVE FADING
SIGNAL ANALYSIS
SPECTRUM ANALYSIS
SWEEP FREQUENCY
% TEST EQUIPMENT
VIBRATION MEASUREMENT

FREQUENCY ASSIGNMENT
0702 0705 0707
RT COMMUNICATING
FREQUENCY REUSE
MAXIMUM USABLE FREQUENCY
ORBIT SPECTRUM UTILIZATION

FREQUENCY BANDS
USE FREQUENCIES

FREQUENCY COMPRESSION DEMODULATORS
0905 1002
GS DEMODULATORS
#FREQUENCY COMPRESSION DEMODULATORS

FREQUENCY CONTROL

```
  0702 0705 1001 1003 2306 2310 2402
  UF   FREQUENCY REGULATION
  GS   REGULATORS
       #FREQUENCY CONTROL
       ..AUTOMATIC FREQUENCY CONTROL
  RT   AUTODYNES
     % CONTROL
       CRYSTAL OSCILLATORS
       FREQUENCY PULLING
       QUARTZ CRYSTALS
       SIGNAL STABILIZATION

FREQUENCY CONVERSION
  USE  FREQUENCY CONVERTERS

FREQUENCY CONVERTERS
  0903
  UF   FREQUENCY CONVERSION
       FREQUENCY TRANSLATION
  GS  #FREQUENCY CONVERTERS
       .DOWN-CONVERTERS
       .FREQUENCY DIVIDERS
       .FREQUENCY MULTIPLIERS
       .FREQUENCY SYNTHESIZERS
       .PARAMETRIC FREQUENCY CONVERTERS
       .UP-CONVERTERS
  RT % CONVERSION
     % CONVERTERS
       HARMONIC GENERATORS
       MIXING CIRCUITS
       PARAMETRIC AMPLIFIERS
       PULSE WIDTH AMPLITUDE CONVERTERS

FREQUENCY DISCRIMINATORS
  0902
  GS   CIRCUITS
       .DISCRIMINATORS
       .#FREQUENCY DISCRIMINATORS

FREQUENCY DISTRIBUTION
  1308 2311
  SN   (OF CYCLIC VARIATIONS)
  GS   DISTRIBUTION (PROPERTY)
       #FREQUENCY DISTRIBUTION
       ..KURTOSIS
  RT   CYCLES
       FOURIER ANALYSIS
       FREQUENCIES
       SUBAUDIBLE FREQUENCIES

FREQUENCY DIVIDERS
  0701 0702 0708 1002
  GS   FREQUENCY CONVERTERS
       #FREQUENCY DIVIDERS
  RT   DOWN-CONVERTERS

FREQUENCY DIVISION MULTIPLE ACCESS
  0710
  UF   FDMA
  GS   TELECOMMUNICATION
       .MULTIPLE ACCESS
       .#FREQUENCY DIVISION MULTIPLE
         ACCESS
       TRANSMISSION
       .SIGNAL TRANSMISSION
       ..DATA TRANSMISSION
       ...MULTIPLE ACCESS
       ...#FREQUENCY DIVISION MULTIPLE
           ACCESS
  RT   ALOHA SYSTEM
       CODE DIVISION MULTIPLE ACCESS
       CODE DIVISION MULTIPLEXING
       MULTIPLEXING
       RADIO COMMUNICATION
       TIME DIVISION MULTIPLE ACCESS

FREQUENCY DIVISION MULTIPLEXING
  0702 0706 0708
  GS   TRANSMISSION
       .MULTIPLEXING
       .#FREQUENCY DIVISION MULTIPLEXING
  RT   CARRIER FREQUENCIES
       COMMUNICATION NETWORKS
       DATA TRANSMISSION
       DEMULTIPLEXING
       MULTIPLE ACCESS
       PULSE COMMUNICATION
       RADIO COMMUNICATION
       SATELLITE TRANSMISSION
       TELECOMMUNICATION
       TIME DIVISION MULTIPLEXING
       WAVELENGTH DIVISION MULTIPLEXING

FREQUENCY HOPPING
  0702
  RT   FREQUENCY REUSE
       FREQUENCY SHIFT KEYING
       JAMMING
       SPREAD SPECTRUM TRANSMISSION
       TRANSMISSION EFFICIENCY

FREQUENCY MEASUREMENT
  0905 1601
  RT   ACOUSTIC MEASUREMENT
     % MEASUREMENT
       TIME MEASUREMENT
       VIBRATION MEASUREMENT

FREQUENCY MODULATION
  1001 1002 2402
  UF   FM (MODULATION)
  GS   CODING
       .SIGNAL ENCODING
       .#FREQUENCY MODULATION
       ...FEEDBACK FREQUENCY MODULATION
       ...FM/PM (MODULATION)
       ...FREQUENCY SHIFT KEYING
       ...PULSE FREQUENCY MODULATION
       MODULATION
       #FREQUENCY MODULATION
       ..FEEDBACK FREQUENCY MODULATION
       ..FM/PM (MODULATION)
       ..FREQUENCY SHIFT KEYING
       ..PULSE FREQUENCY MODULATION
  RT   AMPLITUDE MODULATION
       AUTOMATIC FREQUENCY CONTROL
       CAPTURE EFFECT
       CARRIER TO NOISE RATIOS
       COMPANDING
       DEMODULATION
       DEMODULATORS
       INTERMODULATION
       LIGHT MODULATION
       LINE OF SIGHT COMMUNICATION
       MODULATORS
       PHASE MODULATION
       PULSE FREQUENCY MODULATION
       TELEMETRY
       PULSE MODULATION
       VOCODERS
       VOLTAGE CONTROLLED OSCILLATORS

FREQUENCY MODULATION PHOTOMULTIPLIERS
  0903 0905 1002 2402
  GS   AMPLIFIERS
       .CURRENT AMPLIFIERS
       ..PHOTOMULTIPLIER TUBES
       ..#FREQUENCY MODULATION
          PHOTOMULTIPLIERS
       ELECTRON TUBES
       .COLD CATHODE TUBES
       ..PHOTOTUBES
       ...PHOTOMULTIPLIER TUBES
       ...#FREQUENCY MODULATION
           PHOTOMULTIPLIERS
  RT   CATHODES
       VACUUM TUBE OSCILLATORS

FREQUENCY MULTIPLIERS
  0906 2501 2502
  GS   FREQUENCY CONVERTERS
       #FREQUENCY MULTIPLIERS
  RT   PHASE MATCHING

FREQUENCY PULLING
```

0905
UF PULLING (FREQUENCY STABILITY)
RT DISTORTION
FREQUENCY CONTROL
FREQUENCY SHIFT
FREQUENCY STABILITY
LASER OUTPUTS
LASER STABILITY
OSCILLATORS
STABLE OSCILLATIONS
TUNING

FREQUENCY RANGES
1002 2402
GS RANGE (EXTREMES)
#FREQUENCY RANGES
..OCTAVES
..RADIO RANGE
..SUBAUDIBLE FREQUENCIES
RT ACOUSTIC FREQUENCIES
BANDWIDTH
DYNAMIC RANGE
FREQUENCIES
% FREQUENCY RESPONSE
FREQUENCY REUSE

FREQUENCY REGULATION
USE FREQUENCY CONTROL

% FREQUENCY RESPONSE
0904 1002 2402
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
UF PHASE RESPONSE
RT ACUITY
BROADBAND
DISTRIBUTED AMPLIFIERS
DYNAMIC CHARACTERISTICS
DYNAMIC RANGE
DYNAMIC RESPONSE
EQUALIZERS (CIRCUITS)
FREQUENCY RANGES
LINEAR FILTERS
LINEAR RECEIVERS
LOG PERIODIC ANTENNAS
LOGARITHMIC RECEIVERS
PERCEPTION
PULSE REPETITION RATE
RAMP FUNCTIONS
RESPONSES
SENSITIVITY
SMEAR
SPECTRAL SENSITIVITY
STEP FUNCTIONS
STROKING TESTS
THRESHOLDS (PERCEPTION)

FREQUENCY REUSE
0702
RT DATA LINKS
DOWNLINKING
FREQUENCIES
FREQUENCY ASSIGNMENT
FREQUENCY HOPPING
FREQUENCY RANGES
MAXIMUM USABLE FREQUENCY
MICROWAVE TRANSMISSION
RADIO TRANSMISSION
SATELLITE TRANSMISSION
UPLINKING

FREQUENCY SCANNING
0702 0904 1301
GS SCANNING
#FREQUENCY SCANNING
RT PANORAMIC SCANNING
RADAR SCANNING
SPECTRUM ANALYSIS
SWEEP CIRCUITS
SWEEP FREQUENCY

FREQUENCY SHIFT
0710 1302 1307 1601 2501 3006 3009
RT BRILLOUIN EFFECT
DOPPLER EFFECT
DOPPLER-FIZEAU EFFECT
FREQUENCY PULLING
GYROTROPISM
% SHIFT

FREQUENCY SHIFT KEYING
0702 0904
GS CODING
.SIGNAL ENCODING
..FREQUENCY MODULATION
..#FREQUENCY SHIFT KEYING
KEYING
#FREQUENCY SHIFT KEYING
MODULATION
.FREQUENCY MODULATION
.#FREQUENCY SHIFT KEYING
RT FREQUENCY HOPPING
RADIO TRANSMISSION

FREQUENCY STABILITY
0905
UF ACOUSTIC STABILITY
GS DYNAMIC CHARACTERISTICS
.DYNAMIC STABILITY
.#FREQUENCY STABILITY
STABILITY
.DYNAMIC STABILITY
.#FREQUENCY STABILITY
RT CRYSTAL OSCILLATORS
FREQUENCY PULLING
LASER STABILITY
OSCILLATORS
QUARTZ CRYSTALS
STABLE OSCILLATIONS
VOLTAGE CONTROLLED OSCILLATORS

FREQUENCY STANDARDS
0902 0905 1308 1601 2401
GS STANDARDS
#FREQUENCY STANDARDS
RT ATOMIC CLOCKS
GAS MASERS
ION STORAGE
MASERS
RESONATORS
TIME SIGNALS

FREQUENCY SYNCHRONIZATION
0702 0902
GS SYNCHRONISM
#FREQUENCY SYNCHRONIZATION
RT BIT SYNCHRONIZATION
CAPTURE EFFECT
HOMODYNE RECEPTION
SWEEP FREQUENCY
SYNCHRONIZED OSCILLATORS
SYNTONY

FREQUENCY SYNTHESIZERS
0905 1003
GS FREQUENCY CONVERTERS
#FREQUENCY SYNTHESIZERS
SIGNAL GENERATORS
#FREQUENCY SYNTHESIZERS
RT MIXING CIRCUITS
OSCILLATORS
SYNTHESIZERS

FREQUENCY TRANSLATION
USE FREQUENCY CONVERTERS

FRESH WATER
0505
GS WATER
#FRESH WATER
RT AGRISTARS PROJECT
AQUIFERS
GROUND WATER
LIMNOLOGY

POTABLE WATER
RESERVOIRS
SPRINGS (WATER)

FRESNEL DIFFRACTION
0710 1407 2401
GS DIFFRACTION
#FRESNEL DIFFRACTION
RT GRATINGS (SPECTRA)
INTERFEROMETRY
SPECKLE INTERFEROMETRY

FRESNEL INTEGRALS
0710 1902
UF FRESNEL-KIRCHHOFF INTEGRALS
GS FUNCTIONS (MATHEMATICS)
#FRESNEL INTEGRALS
RT DIFFRACTION PATTERNS
TRIGONOMETRIC FUNCTIONS
WAVE DIFFRACTION

FRESNEL LENSES
1401
GS LENSES
#FRESNEL LENSES
RT FOCUSING
% OPTICS

FRESNEL REFLECTORS
0710 1301 2311
GS MIRRORS
#FRESNEL REFLECTORS
REFLECTORS
#FRESNEL REFLECTORS
RT INTERFEROMETRY
SLITS
SPECKLE INTERFEROMETRY

FRESNEL REGION
0701 0710 2311
GS REGIONS
#FRESNEL REGION
RT ANTENNA RADIATION PATTERNS
DIFFRACTION PATTERNS
FAR FIELDS

FRESNEL-KIRCHHOFF INTEGRALS
USE FRESNEL INTEGRALS

FRETTING
1704
RT EROSION
FATIGUE (MATERIALS)
TRIBOLOGY
WEAR TESTS

FRETTING CORROSION
1704
GS CORROSION
#FRETTING CORROSION
RT FATIGUE (MATERIALS)
STRESS CORROSION
WEAR

FRICTION
1503 2311 1202 1203
GS #FRICTION
.DRY FRICTION
.FLOW RESISTANCE
..FRICTION DRAG
...AERODYNAMIC DRAG
....SUPERSONIC DRAG
...VISCOUS DRAG
.INTERNAL FRICTION
.KINETIC FRICTION
..SLIDING FRICTION
.SKIN FRICTION
..FRICTION DRAG
...AERODYNAMIC DRAG
....SUPERSONIC DRAG
...VISCOUS DRAG
.STATIC FRICTION
RT ABRASION
COEFFICIENT OF FRICTION
DRAG
DRAG REDUCTION
ENERGY DISSIPATION
FLUID FLOW
MECHANICAL IMPEDANCE
% PRESSURE DROP
SCORING
SURFACE PROPERTIES
SURFACE ROUGHNESS
TRACTION
TRIBOLOGY
TRIBOLUMINESCENCE
WEAR
WEAR TESTS
WHEEL BRAKES

FRICTION COEFFICIENT
USE COEFFICIENT OF FRICTION

FRICTION DRAG
0102 1203 2311 2502 3304 3501
UF NONEQUILIBRIUM DRAG
GS DYNAMIC CHARACTERISTICS
.DRAG
.#FRICTION DRAG
...AERODYNAMIC DRAG
....SUPERSONIC DRAG
...VISCOUS DRAG
FRICTION
.FLOW RESISTANCE
.#FRICTION DRAG
...AERODYNAMIC DRAG
....SUPERSONIC DRAG
...VISCOUS DRAG
.SKIN FRICTION
.#FRICTION DRAG
...AERODYNAMIC DRAG
....SUPERSONIC DRAG
...VISCOUS DRAG
RT MINIMUM DRAG
PRESSURE DRAG
RIBLETS
SATELLITE DRAG
SURFACE ROUGHNESS EFFECTS
WAVE DRAG

FRICTION FACTOR
1902 2308 2311 3408
UF FRICTION LOSS COEFFICIENT
RT COEFFICIENT OF FRICTION
PRESSURE GRADIENTS
SKIN FRICTION

FRICTION LOSS COEFFICIENT
USE FRICTION FACTOR

FRICTION MEASUREMENT
1406 1703 1805 3303 3501
GS MECHANICAL MEASUREMENT
#FRICTION MEASUREMENT
RT ELASTOHYDRODYNAMICS
KINETIC FRICTION
% MEASUREMENT
STATIC FRICTION

FRICTION PRESSURE DROP
USE SKIN FRICTION

FRICTION REDUCTION
1503 1703 1805
RT ANTIFRICTION BEARINGS
COEFFICIENT OF FRICTION
LUBRICATION
% REDUCTION
STREAMLINING

FRICTION WELDING
1505 1507
GS WELDING
.PRESSURE WELDING
.#FRICTION WELDING

```
FRICTIONLESS ENVIRONMENTS
  0102 1203 2308 3501
  GS   ENVIRONMENTS
       #FRICTIONLESS ENVIRONMENTS
  RT   DEEP SPACE
       LEVITATION

FRIEDEL-CRAFT REACTION
  0602 1808
  GS   CHEMICAL REACTIONS
       #FRIEDEL-CRAFT REACTION
  RT   ACYLATION
       ALKYLATION

FRIENDSHIP 7
  3104 3107
  GS   MANNED SPACECRAFT
       .MERCURY SPACECRAFT
       .#FRIENDSHIP 7
       REENTRY VEHICLES
       .RECOVERABLE SPACECRAFT
       ..MERCURY SPACECRAFT
       ..#FRIENDSHIP 7
       SOFT LANDING SPACECRAFT
       .MERCURY SPACECRAFT
       .#FRIENDSHIP 7
       SPACE CAPSULES
       .MERCURY SPACECRAFT
       .#FRIENDSHIP 7
  RT   MERCURY MA-6 FLIGHT

FRINGE MULTIPLICATION
  1405
  RT   DIFFRACTION PATTERNS
       INTERFERENCE GRATING
       MOIRE EFFECTS
       MOIRE FRINGES
       MULTIPLICATION
       PHOTOELASTIC ANALYSIS
       STRESS ANALYSIS
       STRESS CONCENTRATION

FRINGE PATTERNS
  USE  DIFFRACTION PATTERNS

FRIT
  1801
  RT   CERAMICS
       FUSION (MELTING)
       GLAZES
       VITREOUS MATERIALS

FROGS
  0402
  GS   ANIMALS
       .VERTEBRATES
       ..AMPHIBIA
       ..#FROGS

FRONTAL AREAS (METEOROLOGY)
  USE  FRONTS (METEOROLOGY)

FRONTAL WAVES
  1308 1310
  RT   OCEAN CURRENTS
       OCEANOGRAPHY
       TSUNAMI WAVES
       WATER WAVES
     % WAVES

% FRONTS
  0710 1202 1204 1301 2001 2003
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   COLD FRONTS
       FRONTS (METEOROLOGY)
       SHOCK FRONTS
       WARM FRONTS
       WAVE FRONTS

FRONTS (METEOROLOGY)
  2003 3006
  UF   FRONTAL AREAS (METEOROLOGY)
       WEATHER FRONTS
  GS  #FRONTS (METEOROLOGY)
       .COLD FRONTS
       .WARM FRONTS
  RT   AIR MASSES
       ARC CLOUDS
     % FRONTS
       INTERTROPICAL CONVERGENT ZONES
       MARINE METEOROLOGY
       METEOROLOGICAL PARAMETERS
       METEOROLOGY
       STORMS
       SYNOPTIC METEOROLOGY
       THUNDERSTORMS
       TORNADOES

FROST
  0710 2003 3009 3304
  RT   BAY ICE
       DEW
       FREEZING
       ICE
       LOW TEMPERATURE

FROST DAMAGE
  0409 0412
  GS   DAMAGE
       #FROST DAMAGE
  RT   COLD WEATHER
     % CROPS
       FARM CROPS
       FRUITS
       LOW TEMPERATURE
       ORCHARDS
       PLANTS (BOTANY)

FROSTBITE
  0405 0408
  GS   INJURIES
       #FROSTBITE
  RT   COLD TOLERANCE

FROUDE NUMBER
  1202 1902
  GS   RATIOS
       .DIMENSIONLESS NUMBERS
       .#FROUDE NUMBER
  RT   FLUID FLOW
       INERTIA
       KINETIC ENERGY
       POTENTIAL ENERGY
       REYNOLDS NUMBER
       STROUHAL NUMBER

FROZEN EQUILIBRIUM FLOW
  0102 1203 3501
  GS   FLUID FLOW
       .GAS FLOW
       ..EQUILIBRIUM FLOW
       ..#FROZEN EQUILIBRIUM FLOW
  RT   SHIFTING EQUILIBRIUM FLOW

FROZEN FOODS
  0505
  RT % FOOD
       FOOD PROCESSING
       FREEZE DRYING
       PRESERVING
       REFRIGERATING

FROZEN SOILS
  USE  PERMAFROST

FRUITS
  0404 0409
  GS   FARM CROPS
       #FRUITS
  RT   AGRICULTURE
       BOLLWORMS
       BOTANY
```

```
    % FOOD
      FROST DAMAGE
      ORCHARDS

FRUSTRATION
  0408 0410
  RT   DISABILITIES
       EMOTIONAL FACTORS
       EMOTIONS
    % INHIBITION
      LETHARGY
      PSYCHOLOGICAL EFFECTS
      PSYCHOLOGY

FRUSTUMS
  1902
  RT   CONES
       GEOMETRY
       PYRAMIDS
       VOLUME

FUEL CAPSULES
  2203
  RT % CAPSULES
       NUCLEAR FUELS
       PELLETS
       SPENT FUELS

FUEL CELL CATALYSTS
  USE  ELECTROCATALYSTS

FUEL CELL POWER PLANTS
  0904
  GS   ELECTRIC POWER PLANTS
       #FUEL CELL POWER PLANTS
  RT   COAL GASIFICATION
       ENERGY TECHNOLOGY
       FUEL CELLS

FUEL CELLS
  0302 0303
  SN   (EXCLUDES BATTERIES)
  GS   ELECTRIC GENERATORS
       .DIRECT POWER GENERATORS
       .#FUEL CELLS
       ...BIOCHEMICAL FUEL CELLS
       ...HYDROGEN OXYGEN FUEL CELLS
       ...PHOSPHORIC ACID FUEL CELLS
       ...REGENERATIVE FUEL CELLS
       ELECTROCHEMICAL CELLS
       #FUEL CELLS
       ..BIOCHEMICAL FUEL CELLS
       ..HYDROGEN OXYGEN FUEL CELLS
       ..PHOSPHORIC ACID FUEL CELLS
       ..REGENERATIVE FUEL CELLS
  RT % CELLS
       CHEMICAL AUXILIARY POWER UNITS
    % ELECTRIC CELLS
       ELECTROCATALYSTS
       ELECTROCHEMISTRY
       ELECTROLYTES
       ENERGY CONVERSION EFFICIENCY
       ENERGY STORAGE
       FUEL CELL POWER PLANTS
       HYDROGEN FUELS
       HYDROGEN-BASED ENERGY
       ION EXCHANGE MEMBRANE ELECTROLYTES
       MAGNETOHYDRODYNAMIC GENERATORS
       SOLAR CELLS
       SOLAR GENERATORS
       THERMIONIC CONVERTERS
       THERMOELECTRIC GENERATORS
       WET CELLS

FUEL COMBUSTION
  2701 2702 2801 2805 2808
  GS   COMBUSTION
       #FUEL COMBUSTION
       ..NUCLEAR FUEL BURNUP
  RT   COMBUSTION EFFICIENCY
       COMBUSTION STABILITY
       EROSIVE BURNING
       HYDROCARBON COMBUSTION
       HYPERSONIC COMBUSTION
       IGNITION
       METAL COMBUSTION
       OXIDATION
       PROPELLANT COMBUSTION
       SOLID PROPELLANT COMBUSTION
       SPONTANEOUS COMBUSTION
       SUPERSONIC COMBUSTION
       TURBULENT COMBUSTION

FUEL CONSERVATION
  USE  FUEL CONSUMPTION

FUEL CONSUMPTION
  2701 2702 2801 2805 2808
  UF   FUEL CONSERVATION
  GS   CONSUMPTION
       #FUEL CONSUMPTION
  RT   BURNING RATE
       COMBUSTION EFFICIENCY
       ENERGY CONSUMPTION
       ENERGY REQUIREMENTS
       ENGINES
       INTERNAL COMBUSTION ENGINES
       REFUELING

FUEL CONTAMINATION
  0601 1702 2701 2702
  GS   CONTAMINATION
       #FUEL CONTAMINATION
  RT   ANTIICING ADDITIVES
       CONTAMINANTS
       REFUELING

FUEL CONTROL
  2701 2702
  RT   COMBUSTION CONTROL
    % CONTROL
       ENGINE CONTROL
       FLUID MANAGEMENT
       LIQUID SLOSHING
       PROPELLANT TRANSFER
       REFUELING
       ROCKET ENGINE CONTROL
       TURBOJET ENGINE CONTROL

FUEL CORROSION
  1702 2701 2702
  GS   CORROSION
       #FUEL CORROSION
  RT   PROPELLANT DECOMPOSITION
       PROPELLANT STORABILITY

FUEL ELEMENTS (NUCLEAR REACTORS)
  USE  NUCLEAR FUEL ELEMENTS

FUEL FLOW
  2701 2702 2801 2808
  GS   FLUID FLOW
       #FUEL FLOW
       ..PROPELLANT TRANSFER
  RT   COMBUSTIBLE FLOW
       DUCTED FLOW
       PARTICLE LADEN JETS
       REACTING FLOW

FUEL FLOW REGULATORS
  1003 1202 1501 1504
  GS   REGULATORS
       .FLOW REGULATORS
       .#FUEL FLOW REGULATORS

FUEL GAGES
  1402 1406 1408 1410 3501
  GS   MEASURING INSTRUMENTS
       #FUEL GAGES
       ..CAPACITIVE FUEL GAGES
  RT   FLOWMETERS

FUEL INJECTION
  2801 2804 2808 2809
  UF   INJECTION CARBURETORS
```

```
  GS   INJECTION
       #FUEL INJECTION
  RT   BURNERS
       CARBURETORS
       FLUID INJECTION
       GAS INJECTION
       INJECTORS
       INTERNAL COMBUSTION ENGINES
       JET ENGINES
       JET MIXING FLOW
     % JET NOZZLES
       LIQUID INJECTION
       PISTON ENGINES
       PROPELLANT SPRAYS
       SPRAY NOZZLES

FUEL OILS
  2801 2804 2805 2808
  GS   FUELS
       .CLEAN FUELS
       .#FUEL OILS
       OILS
       #FUEL OILS
  RT   ENERGY POLICY
       KEROGEN
       KEROSENE
       SHALE OIL
       SOLVENT REFINED COAL

FUEL PRODUCTION
  2701
  RT   CHEMICAL FUELS
       COMPOSITE PROPELLANTS
       CRUDE OIL
       FISSION
     % FUSION
       HYDROCARBON FUELS
       HYDROGEN FUELS
       LIQUID FUELS
       NUCLEAR FUELS
     % PRODUCTION

FUEL PUMPS
  1501 2701 2702 2801 2804 2808
  GS   PUMPS
       #FUEL PUMPS
  RT   AIRCRAFT FUEL SYSTEMS
       AXIAL FLOW PUMPS
       CENTRIFUGAL PUMPS
       ELECTROMAGNETIC PUMPS
       INTERNAL COMBUSTION ENGINES
       JET ENGINES
       JET PUMPS
       MATERIALS HANDLING
       TURBINE PUMPS

FUEL SPRAYS
  2701 2702 2804 2805
  RT   LIQUID INJECTION
       PROPELLANT SPRAYS
       SPRAYERS

FUEL SYSTEMS
  2701 2702 2804 2805 2808 2809
  GS  #FUEL SYSTEMS
       .AIRCRAFT FUEL SYSTEMS
  RT   ACCUMULATORS
       AUTOMOBILES
       BUNKERS (FUEL)
       CARBURETORS
       CHOKES (FUEL SYSTEMS)
       ENGINES
       FEEDERS
       FUELS
       INJECTORS
       INLET TEMPERATURE
       INTAKE SYSTEMS
       INTERNAL COMBUSTION ENGINES
       MANIFOLDS
       PLENUM CHAMBERS
       PROPELLANT TRANSFER
       REFUELING
       SELF SEALING
       SPRAY NOZZLES
     % SYSTEMS

FUEL TANK PRESSURIZATION
  0202 2701 2702 2804
  GS   PRESSURIZING
       #FUEL TANK PRESSURIZATION
  RT   AIRCRAFT FUEL SYSTEMS
       EXHAUST SYSTEMS
       EXPULSION BLADDERS
       LIQUID ROCKET PROPELLANTS
       PRESSURE
       PRESSURE REGULATORS
       PRESSURE VESSELS
       PROPELLANT STORAGE
       PROPELLANT TANKS
       PROPULSION
       RELIEF VALVES
       ULLAGE
       VAPOR PRESSURE

FUEL TANKS
  0202 2701 2702 2804
  GS   TANKS (CONTAINERS)
       #FUEL TANKS
       ..WING TANKS
  RT   AIRCRAFT FUEL SYSTEMS
     % CONTAINERS
       CORROSION PREVENTION
       CRYOGENIC FLUID STORAGE
       CYLINDRICAL TANKS
       EXPULSION BLADDERS
       EXTERNAL TANKS
       FEED SYSTEMS
       FUELS
       HEATING EQUIPMENT
       LIQUID SLOSHING
       PODS (EXTERNAL STORES)
       PRESSURE VESSELS
       PROPELLANT STORAGE
       PROPELLANT TANKS
       PROPELLANTS
       PROPULSION
       PROTUBERANCES
       SPACECRAFT STRUCTURES
       SPHERICAL TANKS
       STORAGE TANKS
       TANKER AIRCRAFT
       ULLAGE

FUEL TESTS
  2203 2701 2702
  GS  #FUEL TESTS
       .REACTOR STARTUP TESTS
  RT   CHEMICAL ANALYSIS
       CORROSION TESTS
       ENGINE TESTS
     % MATERIALS TESTS
       MISSILE TESTS
       PROPELLANT TESTS
       STABILITY TESTS
       TEST FIRING
     % TESTS

FUEL VALVES
  0202 2701 2702
  GS   VALVES
       #FUEL VALVES
  RT   AIRCRAFT FUEL SYSTEMS
       GAS VALVES
       RELIEF VALVES

FUEL-AIR RATIO
  2701 2702 2805 2808
  GS   RATIOS
       #FUEL-AIR RATIO
  RT   BURNING RATE
       COMBUSTION EFFICIENCY
       COMPRESSION RATIO
       GAS MIXTURES
       IGNITION LIMITS
       PREMIXING
```

```
      PRESSURE RATIO
      VOLUMETRIC EFFICIENCY

FUELING
  USE  REFUELING

FUELS
  2701 2702 2801
  GS  #FUELS
      .CHEMICAL FUELS
      ..ENDOTHERMIC FUELS
      ..HIGH ENERGY FUELS
      ..HYDROCARBON FUELS
      ...DIESEL FUELS
      ...GASOLINE
      ...JET ENGINE FUELS
      ....JP-4 JET FUEL
      ....JP-5 JET FUEL
      ....JP-6 JET FUEL
      ....JP-8 JET FUEL
      ...LIQUEFIED NATURAL GAS
      ...SYNTHANE
      ..LIQUID FUELS
      ...AIRCRAFT FUELS
      ...ANTIMISTING FUELS
      ...AUTOMOBILE FUELS
      ...DIESEL FUELS
      ...GASOLINE
      ...HYDROGEN FUELS
      ...JET ENGINE FUELS
      ....JP-4 JET FUEL
      ....JP-5 JET FUEL
      ....JP-6 JET FUEL
      ....JP-8 JET FUEL
      ...KEROSENE
      ..METAL FUELS
      ..SYNTHETIC FUELS
      ...GASOHOL (FUEL)
      ...SYNTHANE
      .CLEAN FUELS
      ..FUEL OILS
      .COKE
      .FISSILE FUELS
      .GASEOUS FUELS
      ..NATURAL GAS
      .MONOPROPELLANTS
      ..AEROZINE
      .NUCLEAR FUELS
      ..CERAMIC NUCLEAR FUELS
      ..FISSIUM
      ..SPENT FUELS
  RT  BIOCONVERSION
      BURNING RATE
      CHARCOAL
      ENERGY POLICY
      ENERGY STORAGE
      FLAMES
      FUEL SYSTEMS
      FUEL TANKS
      GASES
      HYDROGEN
      HYDROGEN PRODUCTION
      KEROGEN
      LIQUID AMMONIA
      LIQUID HYDROGEN
      NUCLEAR FUEL ELEMENTS
      OILS
      OPERATING COSTS
      OXIDIZERS
      PREMIXING
      PROPELLANTS
      ROCKET PROPELLANTS
      SHALE OIL
      TRANSPORTATION ENERGY

FUJITA METHOD
  1902
  RT  COORDINATES
    % METHODOLOGY
    % TRANSFORMATIONS
      TRANSFORMATIONS (MATHEMATICS)

FULL SCALE TESTS
  0102 0104 0203 1505
  RT  ALTITUDE TESTS
      ENGINE TESTS
      FLIGHT TESTS
      GROUND TESTS
      HIGH ALTITUDE TESTS
    % TESTS

FULLERENES
  0603 2601
  GS  #FULLERENES
      .BUCKMINSTERFULLERENE
  RT  ATOMIC CLUSTERS
      CARBON
      GRAPHITE
      MOLECULAR CLUSTERS
      POLYATOMIC MOLECULES
      POLYHEDRONS

FULMINATES
  0403 1808 3302
  GS  ESTERS
      .ISOCYANATES
      .#FULMINATES
      NITROGEN COMPOUNDS
      .CYANO COMPOUNDS
      ..ISOCYANATES
      ..#FULMINATES
  RT  DETONATORS
      EXPLOSIVES
      PROPELLANTS

FUMES
  0404 1808
  RT  AEROSOLS
      DISPERSIONS
      DUST
      EXHAUST GASES
      FIRE DAMAGE
      GAS MIXTURES
      GASES
      HAZE DETECTION
      REACTION PRODUCTS
      SMOKE
      SMOKE DETECTORS
      VAPORS
      WASTES

FUMIGATION
  0504 0602
  RT  ANTISEPTICS
      BACTERICIDES
      SPRAYING
      STERILIZATION

FUNCTION GENERATORS
  0802 1902
  GS  SIGNAL GENERATORS
      #FUNCTION GENERATORS
  RT % GENERATORS
      PULSE GENERATORS
      VOLTAGE GENERATORS
      WAVE GENERATION

FUNCTION SPACE
  1902
  GS  ANALYSIS (MATHEMATICS)
      #FUNCTION SPACE
      ..BANACH SPACE
      ...HILBERT SPACE
      ....SOBOLEV SPACE
  RT  FIBERS (MATHEMATICS)
      FIELD THEORY (PHYSICS)
      FUNCTIONS (MATHEMATICS)
      ORTHOGONAL FUNCTIONS
      QUANTUM MECHANICS
      SERIES (MATHEMATICS)
    % SPACE
      STATISTICAL MECHANICS
      VECTORS (MATHEMATICS)

FUNCTIONAL ANALYSIS
```

1902
GS ANALYSIS (MATHEMATICS)
#FUNCTIONAL ANALYSIS
..BANACH SPACE
...HILBERT SPACE
....SOBOLEV SPACE
..CONVOLUTION INTEGRALS
..HARMONIC ANALYSIS
...TESSERAL HARMONICS
...ZONAL HARMONICS
..INTEGRAL EQUATIONS
...FREDHOLM EQUATIONS
...J INTEGRAL
...SINGULAR INTEGRAL EQUATIONS
...VOLTERRA EQUATIONS
...WIENER HOPF EQUATIONS
..INTEGRAL TRANSFORMATIONS
...FOURIER TRANSFORMATION
...HILBERT TRANSFORMATION
...LAPLACE TRANSFORMATION
RT COMPLEX VARIABLES
FORM FACTORS
FUNCTIONS (MATHEMATICS)
SERIES (MATHEMATICS)
WALSH FUNCTION

FUNCTIONAL DESIGN SPECIFICATIONS
3404
GS SPECIFICATIONS
#FUNCTIONAL DESIGN SPECIFICATIONS
RT AERONAUTICAL ENGINEERING
% DESIGN
EQUIPMENT SPECIFICATIONS
MISSILE DESIGN
PRODUCT DEVELOPMENT
SYSTEMS ENGINEERING

FUNCTIONAL INTEGRATION
1902
GS ANALYSIS (MATHEMATICS)
.REAL VARIABLES
..MEASURE AND INTEGRATION
..#FUNCTIONAL INTEGRATION
RT ANALOG COMPUTERS
DIFFERENTIAL EQUATIONS
DIGITAL INTEGRATORS
PARTIAL DIFFERENTIAL EQUATIONS

FUNCTIONALLY GRADIENT MATERIALS
3202
UF FGM (MATERIALS)
GS COMPOSITE MATERIALS
#FUNCTIONALLY GRADIENT MATERIALS
RT AIRCRAFT CONSTRUCTION MATERIALS
AIRFRAME MATERIALS
ANISOTROPIC MEDIA
BIMETALS
CERAMIC MATRIX COMPOSITES
COMBUSTION SYNTHESIS
COMPOSITE STRUCTURES
FIBER COMPOSITES
MATRIX MATERIALS
METAL MATRIX COMPOSITES
PREPREGS
SPACECRAFT CONSTRUCTION MATERIALS

FUNCTIONALS
1902
RT % FUNCTIONS
FUNCTIONS (MATHEMATICS)
INTEGRALS

% FUNCTIONS
1902 3406
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT CONTRALATERAL FUNCTIONS
FUNCTIONALS
FUNCTIONS (MATHEMATICS)
MUSCULAR FUNCTION
PARENTERAL FUNCTIONS
PENALTY FUNCTION
PULMONARY FUNCTIONS
RENAL FUNCTION
SCATTERING FUNCTIONS
WORK FUNCTIONS

FUNCTIONS (MATHEMATICS)
1902
GS #FUNCTIONS (MATHEMATICS)
.ABEL FUNCTION
.AIRY FUNCTION
.ANALYTIC FUNCTIONS
..ENTIRE FUNCTIONS
.APERIODIC FUNCTIONS
.ASYMPTOTES
.BOOLEAN FUNCTIONS
.COMPOSITE FUNCTIONS
.CONFORMAL MAPPING
.COORDINATE TRANSFORMATIONS
.DELTA FUNCTION
.DISCRETE FUNCTIONS
.DISCRIMINANT ANALYSIS (STATISTICS)
.DISTRIBUTION FUNCTIONS
.DISTURBING FUNCTIONS
.ERROR FUNCTIONS
.FOURIER TRANSFORMATION
..FAST FOURIER TRANSFORMATIONS
.FOURIER-BESSEL TRANSFORMATIONS
.FRESNEL INTEGRALS
.GAMMA FUNCTION
.GREEN'S FUNCTIONS
.HAMILTONIAN FUNCTIONS
.HANKEL FUNCTIONS
.HARMONIC FUNCTIONS
.HYPERBOLIC FUNCTIONS
.HYPERGEOMETRIC FUNCTIONS
.KERNEL FUNCTIONS
.LAGRANGIAN FUNCTION
.LAGUERRE FUNCTIONS
.LAME FUNCTIONS
.LAPLACE TRANSFORMATION
.LEGENDRE FUNCTIONS
.LIAPUNOV FUNCTIONS
.LINEAR TRANSFORMATIONS
.LORENTZ TRANSFORMATIONS
.MATHIEU FUNCTION
.MAXWELL-BOLTZMANN DENSITY FUNCTION
.MELLIN TRANSFORMS
.MEROMORPHIC FUNCTIONS
..ELLIPTIC FUNCTIONS
..RATIONAL FUNCTIONS
.MONOTONE FUNCTIONS
.ORTHOGONAL FUNCTIONS
..WALSH FUNCTION
.ORTHONORMAL FUNCTIONS
.PENALTY FUNCTION
.POINT SPREAD FUNCTIONS
.POISSON DENSITY FUNCTIONS
.PROBABILITY DENSITY FUNCTIONS
..NORMAL DENSITY FUNCTIONS
..PEARSON DISTRIBUTIONS
..RAYLEIGH DISTRIBUTION
..WEIBULL DENSITY FUNCTIONS
.PROBABILITY DISTRIBUTION FUNCTIONS
.RAMP FUNCTIONS
.RECURSIVE FUNCTIONS
.SCHWARZ-CHRISTOFFEL TRANSFORMATION
.SHAPE FUNCTIONS
.SPACE-TIME FUNCTIONS
.SPHERICAL HARMONICS
.SPLINE FUNCTIONS
.STEP FUNCTIONS
.STRESS FUNCTIONS
.TIME FUNCTIONS
.TRANSCENDENTAL FUNCTIONS
..EXPONENTIAL FUNCTIONS
...LOGARITHMS
..PERIODIC FUNCTIONS
...TRIGONOMETRIC FUNCTIONS
....COSINE SERIES
....SINE SERIES
....TANGENTS
.TRANSFER FUNCTIONS

..LOOP TRANSFER FUNCTIONS
..MODULATION TRANSFER FUNCTION
..OPTICAL TRANSFER FUNCTION
.WEIGHTING FUNCTIONS
.WHITTAKER FUNCTIONS
RT ALGEBRA
% APPLICATIONS OF MATHEMATICS
BRANCHING (MATHEMATICS)
CALCULUS
CONTINUITY (MATHEMATICS)
DIVERGENCE
EXTREMUM VALUES
FUNCTION SPACE
FUNCTIONAL ANALYSIS
FUNCTIONALS
% FUNCTIONS
INFINITY
INFLECTION POINTS
LINEARITY
MAPPING
MATHEMATICAL LOGIC
MATHEMATICAL MODELS
% MATHEMATICS
NONLINEARITY
NUMBER THEORY
NUMERICAL DIFFERENTIATION
OPERATIONS RESEARCH
OPERATORS (MATHEMATICS)
RANDOM VARIABLES
RANGE (EXTREMES)
% TRANSFORMATIONS
TRANSFORMATIONS (MATHEMATICS)
WAVELET ANALYSIS

FUNGAL DISEASES
0404 0405 0407 0408 0409 0410 0412
SN (EXCLUDES PLANT DISEASES)
GS DISEASES
.INFECTIOUS DISEASES
.#FUNGAL DISEASES
RT DERMATITIS
FUNGI
RESPIRATORY DISEASES

FUNGI
0404 0407 0409
GS PLANTS (BOTANY)
#FUNGI
..ASPERGILLUS
..COCCOMYCES
..GIBBERELLINS
..NEUROSPORA
..RHIZOPUS
..RUST FUNGI
..SACCHAROMYCES
..YEAST
RT BLIGHT
FUNGAL DISEASES
LICHENS
MICROSPORES
MITRA
% MOLD
PANSPERMIA
PLANT DISEASES
SPORES
THERMOPHILES

FUNGICIDES
0403 0409 0412
GS #FUNGICIDES
.XANTHINES
..CAFFEINE
..GUANINES
..URIC ACID
RT ANTIINFECTIVES AND ANTIBACTERIALS
TOXICOLOGY

FUNNELS
1106 1108
RT CONICAL INLETS
% NOZZLES

FURAN RESINS
0403 1808
GS PLASTICS
.SYNTHETIC RESINS
..THERMOSETTING RESINS
..#FURAN RESINS
....POLYAMIDE RESINS
.....KEVLAR (TRADEMARK)
RESINS
.SYNTHETIC RESINS
..THERMOSETTING RESINS
..#FURAN RESINS
....POLYAMIDE RESINS
.....KEVLAR (TRADEMARK)
RT ADHESIVES
COATINGS

FURANS
0403
GS ORGANIC COMPOUNDS
.CYCLIC COMPOUNDS
..HETEROCYCLIC COMPOUNDS
..#FURANS
....TETRAHYDROFURAN
RT % CHEMICAL COMPOUNDS
PLASTICS
SOLVENTS

FURFURYL ALCOHOL
0603
RT ALDEHYDES
% AROMATIC COMPOUNDS

FURLABLE ANTENNAS
0701 0901
GS ANTENNAS
#FURLABLE ANTENNAS
RT COMMUNICATION EQUIPMENT
FOLDING STRUCTURES
SATELLITE ANTENNAS
SPACE COMMUNICATION
SPACECRAFT ANTENNAS

FURNACES
0301 0906 2205 3303 3304
SN (EXCLUDES DOMESTIC HEATING
EQUIPMENT)
GS HEATING EQUIPMENT
#FURNACES
..ELECTRIC FURNACES
..IMAGE FURNACES
..SOLAR FURNACES
..VACUUM FURNACES
RT BOILERS
BURNERS
CHEMICAL ENGINEERING
CHEMICAL REACTORS
CHIMNEYS
COMBUSTION CHAMBERS
CONTROLLED ATMOSPHERES
% CUPOLAS
DRYING APPARATUS
EXTRACTION
FLUIDIZED BED PROCESSORS
FOUNDRIES
HEARTHS
HEAT TREATMENT
INCINERATORS
INDUCTION HEATING
MECHANICAL ENGINEERING
MELTING
% METALLURGY
MUFFLERS
OVENS
REFRACTORIES
SEPARATORS
SINTERING
WASTE ENERGY UTILIZATION

FUSELAGE MOUNTING
USE AIRCRAFT PRODUCTION

FUSELAGES

```
  0102 0202
  GS   AIRCRAFT STRUCTURES
       #FUSELAGES
  RT   AIRCRAFT CONSTRUCTION MATERIALS
       AIRCRAFT PARTS
       AIRFRAMES
       BAYS (STRUCTURAL UNITS)
       BODY-WING AND TAIL CONFIGURATIONS
       CAMBER
       CENTERBODIES
       COCKPITS
       CYLINDRICAL BODIES
       HULLS (STRUCTURES)
       WING-FUSELAGE STORES

% FUSES
  0903 3302
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   CIRCUIT BREAKERS
       CIRCUIT PROTECTION
       ELECTRIC FUSES
       FUSES (ORDNANCE)
       WARHEADS

FUSES (ORDNANCE)
  3302
  RT   AMMUNITION
       CAPS (EXPLOSIVES)
       DETONATORS
     % FUSES
       INITIATORS (EXPLOSIVES)
       WARHEADS
       WICKS

FUSIBILITY
  3304 3404 3408
  GS   THERMODYNAMIC PROPERTIES
       .THERMOPHYSICAL PROPERTIES
       .#FUSIBILITY
  RT % PHYSICAL PROPERTIES
     % RESISTANCE
       WELDING

FUSIFORM SHAPES
  USE  CONES

% FUSION
  1504 1704 2405 2502 3304 3407
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   FUEL PRODUCTION
       FUSION (MELTING)
       INERTIAL FUSION (REACTOR)
       LASER FUSION
       LIQUID-SOLID INTERFACES
       NUCLEAR FUSION

FUSION (MELTING)
  1504 1704
  GS   PHASE TRANSFORMATIONS
       .MELTING
       .#FUSION (MELTING)
  RT   ADHESION
       FRIT
       FUSION WELDING
       HEAT OF FUSION
     % JOINING
       PHASE CHANGE MATERIALS

FUSION HEAT
  USE  HEAT OF FUSION

FUSION REACTORS
  2203 2204
  GS   NUCLEAR REACTORS
       #FUSION REACTORS
       ..HELIOTRONS
       ..SPHEROMAKS
       ..STELLARATORS
  RT   BETA FACTOR
       BLANKETS (FUSION REACTORS)
       BUMPY TORUSES
       FUSION-FISSION HYBRID REACTORS
       IMPACT FUSION
       INERTIAL FUSION (REACTOR)
       LIMITERS (FUSION REACTORS)
       MIRROR FUSION
       NUCLEAR FISSION
       NUCLEAR FUSION
     % REACTORS
       TANDEM MIRRORS
       THERMAL BARRIERS (PLASMA CONTROL)

FUSION WEAPONS
  2205
  UF   HYDROGEN BOMBS
  GS   WEAPONS
       .NUCLEAR WEAPONS
       .#FUSION WEAPONS
  RT   LASER WEAPONS
       NUCLEAR FUSION

FUSION WELDING
  1507
  GS   WELDING
       #FUSION WELDING
       ..ELECTRIC WELDING
       ...ARC WELDING
       ....GAS TUNGSTEN ARC WELDING
       ....PLASMA ARC WELDING
       ...ELECTROSLAG WELDING
       ...FLASH WELDING
       ..ELECTRON BEAM WELDING
       ..GAS WELDING
       ...BRAZING
       ....LOW TEMPERATURE BRAZING
       ..LASER WELDING
  RT   PRESSURE WELDING
       SPOT WELDS

FUSION-FISSION HYBRID REACTORS
  2203 2204
  GS   NUCLEAR REACTORS
       #FUSION-FISSION HYBRID REACTORS
  RT   FUSION REACTORS
       NUCLEAR FISSION
       NUCLEAR FUSION
     % REACTORS

FUZZY SETS
  1902
  RT   ALGORITHMS
       FUZZY SYSTEMS
       SET THEORY

FUZZY SYSTEMS
  1902
  RT   ALGORITHMS
       FUZZY SETS
       PROBABILITY THEORY
       SET THEORY
       SYSTEM IDENTIFICATION
     % SYSTEMS
       SYSTEMS ANALYSIS

FV-12A AIRCRAFT
  0207 0209
  GS   ATTACK AIRCRAFT
       .FIGHTER AIRCRAFT
       .#FV-12A AIRCRAFT
       V/STOL AIRCRAFT
       #FV-12A AIRCRAFT
  RT % AIRCRAFT
     % MILITARY AIRCRAFT

F4H AIRCRAFT
  USE  F-4 AIRCRAFT

F8U AIRCRAFT
  USE  F-8 AIRCRAFT

F9F AIRCRAFT
```

```
  USE  F-9 AIRCRAFT

G FORCE
  USE  ACCELERATION (PHYSICS)

G STARS
  3001
  GS   CELESTIAL BODIES
       .STARS
       .#G STARS
       ...SUN
  RT   DWARF STARS
       F STARS
       GIANT STARS
       MAIN SEQUENCE STARS
       STELLAR SPECTRA

G-1 AIRCRAFT
  0201 0204
  UF   NAVION G-1 AIRCRAFT
       NAVION RANGEMASTER AIRCRAFT
       RANGEMASTER AIRCRAFT
  GS   GENERAL AVIATION AIRCRAFT
       #G-1 AIRCRAFT
       LIGHT AIRCRAFT
       #G-1 AIRCRAFT
       MONOPLANES
       #G-1 AIRCRAFT
       NAVION AIRCRAFT
       #G-1 AIRCRAFT
       PASSENGER AIRCRAFT
       #G-1 AIRCRAFT
       TRANSPORT AIRCRAFT
       #G-1 AIRCRAFT
  RT % AIRCRAFT

G-91 AIRCRAFT
  0207 3401
  UF   FIAT G-91 AIRCRAFT
  GS   ATTACK AIRCRAFT
       .FIGHTER AIRCRAFT
       .#G-91 AIRCRAFT
       FIAT AIRCRAFT
       #G-91 AIRCRAFT
       JET AIRCRAFT
       #G-91 AIRCRAFT
       LIGHT AIRCRAFT
       #G-91 AIRCRAFT
       MONOPLANES
       #G-91 AIRCRAFT
       OBSERVATION AIRCRAFT
       #G-91 AIRCRAFT
       RECONNAISSANCE AIRCRAFT
       #G-91 AIRCRAFT
       TRAINING AIRCRAFT
       #G-91 AIRCRAFT
  RT % AIRCRAFT

G-95/4 AIRCRAFT
  0207 0209
  UF   FIAT G-95/4 AIRCRAFT
  GS   ATTACK AIRCRAFT
       .FIGHTER AIRCRAFT
       .#G-95/4 AIRCRAFT
       FIAT AIRCRAFT
       #G-95/4 AIRCRAFT
       JET AIRCRAFT
       #G-95/4 AIRCRAFT
       MONOPLANES
       #G-95/4 AIRCRAFT
       OBSERVATION AIRCRAFT
       #G-95/4 AIRCRAFT
       RECONNAISSANCE AIRCRAFT
       #G-95/4 AIRCRAFT
       SUPERSONIC AIRCRAFT
       #G-95/4 AIRCRAFT
       V/STOL AIRCRAFT
       #G-95/4 AIRCRAFT
  RT % AIRCRAFT

G-222 AIRCRAFT
  0207
  UF   FIAT G-222 AIRCRAFT
  GS   FIAT AIRCRAFT
       #G-222 AIRCRAFT
       JET AIRCRAFT
       .TURBOPROP AIRCRAFT
       .#G-222 AIRCRAFT
       MONOPLANES
       #G-222 AIRCRAFT
       PASSENGER AIRCRAFT
       #G-222 AIRCRAFT
       TRANSPORT AIRCRAFT
       #G-222 AIRCRAFT
       V/STOL AIRCRAFT
       #G-222 AIRCRAFT
  RT % AIRCRAFT

GA-5 AIRCRAFT
  0207
  UF   GLOSTER GA-5 AIRCRAFT
       JAVELIN AIRCRAFT
  GS   ATTACK AIRCRAFT
       .FIGHTER AIRCRAFT
       .#GA-5 AIRCRAFT
       HAWKER SIDDELEY AIRCRAFT
       #GA-5 AIRCRAFT
       JET AIRCRAFT
       #GA-5 AIRCRAFT
       MONOPLANES
       #GA-5 AIRCRAFT
  RT % AIRCRAFT
       DELTA WINGS

GABBRO
  1305 1306 1308 1806 3409
  GS   ROCKS
       .IGNEOUS ROCKS
       .#GABBRO
  RT   ANORTHOSITE
       LUNAR ROCKS

GABON
  1305
  GS   NATIONS
       #GABON
  RT   AFRICA

GADOLINIUM
  1703 1704
  GS   CHEMICAL ELEMENTS
       .RARE EARTH ELEMENTS
       .#GADOLINIUM
       ...GADOLINIUM ISOTOPES
       METALS
       .RARE EARTH ELEMENTS
       .#GADOLINIUM
       ...GADOLINIUM ISOTOPES
  RT   GADOLINIUM-GALLIUM GARNET

GADOLINIUM ALLOYS
  1703
  GS   ALLOYS
       .RARE EARTH ALLOYS
       .#GADOLINIUM ALLOYS
  RT   METALS

GADOLINIUM ISOTOPES
  1703 1704
  GS   CHEMICAL ELEMENTS
       .NUCLIDES
       ..ISOTOPES
       ..#GADOLINIUM ISOTOPES
       .RARE EARTH ELEMENTS
       ..GADOLINIUM
       ..#GADOLINIUM ISOTOPES
       METALS
       .RARE EARTH ELEMENTS
       ..GADOLINIUM
       ..#GADOLINIUM ISOTOPES

GADOLINIUM-GALLIUM GARNET
  0906 1601
  UF   GGG (GARNET)
  GS   GALLIUM COMPOUNDS
```

#GADOLINIUM-GALLIUM GARNET
MINERALS
.GARNETS
.#GADOLINIUM-GALLIUM GARNET
SILICON COMPOUNDS
.SILICATES
..GARNETS
..#GADOLINIUM-GALLIUM GARNET
RT DOPED CRYSTALS
ECLOGITE
FERRITES
GADOLINIUM
LASER MATERIALS
LASERS
MAGNETOSTATIC AMPLIFIERS
SEMICONDUCTOR LASERS
SEMICONDUCTORS (MATERIALS)

GAGES
USE MEASURING INSTRUMENTS

GAIA HYPOTHESIS
1301
RT ATMOSPHERIC COMPOSITION
ATMOSPHERIC TEMPERATURE
BIOCHEMISTRY
BIOLOGICAL EVOLUTION
BIOSPHERE
ECOLOGY
ECOSYSTEMS
GREENHOUSE EFFECT

GAIN (AMPLIFICATION)
USE AMPLIFICATION

GALACTIC BULGE
3001 3002
UF CENTRAL BULGE (GALAXIES)
NUCLEAR BULGE (GALAXIES)
RT GALACTIC NUCLEI
GALACTIC STRUCTURE
GALAXIES
MILKY WAY GALAXY
SPIRAL GALAXIES
X RAY SOURCES

GALACTIC CLUSTERS
1504 3001
SN (RESTRICTED TO CLUSTERS OF
GALAXIES; EXCLUDES OPEN CLUSTERS)
UF GALAXY GROUPS
GS CELESTIAL BODIES
.GALAXIES
.#GALACTIC CLUSTERS
...LOCAL GROUP (ASTRONOMY)
...VIRGO GALACTIC CLUSTER
RT AGGLOMERATION
% CLUSTERS
COOLING FLOWS (ASTROPHYSICS)
DISK GALAXIES
ELLIPTICAL GALAXIES
METALLICITY
MISSING MASS (ASTROPHYSICS)
STAR CLUSTERS
STAR DISTRIBUTION
STELLAR SYSTEMS

GALACTIC COSMIC RAYS
0710 2903
GS EXTRATERRESTRIAL RADIATION
.GALACTIC RADIATION
.#GALACTIC COSMIC RAYS
IONIZING RADIATION
.COSMIC RAYS
.#GALACTIC COSMIC RAYS
RT ENERGETIC PARTICLES
SOLAR ACTIVITY EFFECTS
SOLAR WIND

GALACTIC EVOLUTION
3001 3002 3003
GS EVOLUTION (DEVELOPMENT)
#GALACTIC EVOLUTION
RT ASTROPHYSICS
BIG BANG COSMOLOGY
COOLING FLOWS (ASTROPHYSICS)
COSMOLOGY
DARK MATTER
DISK GALAXIES
GALACTIC MASS
RING GALAXIES
STAR DISTRIBUTION
STAR FORMATION RATE
STELLAR EVOLUTION
STELLAR MASS ACCRETION

GALACTIC HALOS
3001 3002
RT DARK MATTER
DISK GALAXIES
GALACTIC STRUCTURE
GLOBULAR CLUSTERS
HALOS
INTERGALACTIC MEDIA
INTERSTELLAR GAS
MISSING MASS (ASTROPHYSICS)
MOLECULAR CLOUDS
SPIRAL GALAXIES
STAR DISTRIBUTION

GALACTIC MAGNETIC FIELDS
USE INTERSTELLAR MAGNETIC FIELDS

GALACTIC MASS
3001 3002
GS MASS
#GALACTIC MASS
RT GALACTIC EVOLUTION
GALACTIC STRUCTURE
MASS DISTRIBUTION
STELLAR MASS

GALACTIC NUCLEI
2405 3001 3009
GS #GALACTIC NUCLEI
.ACTIVE GALACTIC NUCLEI
RT ABSORPTION SPECTRA
ACCRETION DISKS
ACTIVE GALAXIES
DISK GALAXIES
GALACTIC BULGE
RADIO JETS (ASTRONOMY)
RADIO SOURCES (ASTRONOMY)
SEYFERT GALAXIES
STARBURST GALAXIES

GALACTIC RADIATION
0702 0704 2903 3002
GS EXTRATERRESTRIAL RADIATION
#GALACTIC RADIATION
..GALACTIC COSMIC RAYS
..GALACTIC RADIO WAVES
...NORTH POLAR SPUR (ASTRONOMY)
RT ACTIVE GALACTIC NUCLEI
ACTIVE GALAXIES
BRIGHTNESS DISTRIBUTION
CORPUSCULAR RADIATION
COSMIC NOISE
COSMIC RAYS
COSMIC X RAYS
ELECTROMAGNETIC RADIATION
GAMMA RAY ASTRONOMY
GAMMA RAY BURSTS
HUBBLE DIAGRAM
INFRARED CIRRUS (ASTRONOMY)
INTERSTELLAR RADIATION
IRREGULAR GALAXIES
MASS TO LIGHT RATIOS
NONTHERMAL RADIATION
% RADIATION
RADIATIVE TRANSFER
SOLAR RADIATION 1 SATELLITE
SOLAR RADIATION 3 SATELLITE
STELLAR RADIATION
UHURU SATELLITE

```
GALACTIC RADIATION EXP BACKGROUND SATS
  USE  GREB SATELLITES

GALACTIC RADIO WAVES
  0704 2903 3001 3002
  GS   ELECTROMAGNETIC RADIATION
       .RADIO WAVES
       ..EXTRATERRESTRIAL RADIO WAVES
       ..#GALACTIC RADIO WAVES
       EXTRATERRESTRIAL RADIATION
       .EXTRATERRESTRIAL RADIO WAVES
       .#GALACTIC RADIO WAVES
       ...NORTH POLAR SPUR (ASTRONOMY)
       .GALACTIC RADIATION
       .#GALACTIC RADIO WAVES
       ...NORTH POLAR SPUR (ASTRONOMY)
  RT   COSMIC NOISE
       RADIO JETS (ASTRONOMY)

GALACTIC ROTATION
  3001 1504 3006
  RT   COROTATION
       DISK GALAXIES
       HYDROGEN CLOUDS
       IRREGULAR GALAXIES
       STELLAR MOTIONS
       STELLAR SYSTEMS
       VELOCITY DISTRIBUTION

GALACTIC STRUCTURE
  3001 3002 3003
  RT   BARRED GALAXIES
       COMPACT GALAXIES
       COROTATION
       DENSITY WAVE MODEL
       DISK GALAXIES
       GALACTIC BULGE
       GALACTIC HALOS
       GALACTIC MASS
       GALAXIES
       INTERACTING GALAXIES
       IRREGULAR GALAXIES
       MISSING MASS (ASTROPHYSICS)
       PECULIAR GALAXIES
       RING GALAXIES
       SHELL GALAXIES
       STELLAR SYSTEMS
     % STRUCTURES

GALACTOSE
  1808
  GS   ORGANIC COMPOUNDS
       .CARBOHYDRATES
       ..SUGARS
       ...MONOSACCHARIDES
       ....HEXOSES
       ....#GALACTOSE

GALAXIES
  3001 3009
  GS   CELESTIAL BODIES
       #GALAXIES
       ..ACTIVE GALAXIES
       ...MARKARIAN GALAXIES
       ...RADIO GALAXIES
       ...SEYFERT GALAXIES
       ..COMPACT GALAXIES
       ..DISK GALAXIES
       ..DWARF GALAXIES
       ..ELLIPTICAL GALAXIES
       ..GALACTIC CLUSTERS
       ...LOCAL GROUP (ASTRONOMY)
       ...VIRGO GALACTIC CLUSTER
       ..INTERACTING GALAXIES
       ..IRREGULAR GALAXIES
       ..MAFFEI GALAXIES
       ..MAGELLANIC CLOUDS
       ..PECULIAR GALAXIES
       ..RING GALAXIES
       ..SHELL GALAXIES
       ..SPIRAL GALAXIES
       ...ANDROMEDA GALAXY
       ...BARRED GALAXIES
       ...MILKY WAY GALAXY
       ..STARBURST GALAXIES
  RT   BL LACERTAE OBJECTS
       FAINT OBJECTS
       GALACTIC BULGE
       GALACTIC STRUCTURE
       GUM NEBULA
       HUBBLE CONSTANT
       HUBBLE DIAGRAM
       METALLICITY
       NEBULAE
       ORION NEBULA
       QUASARS
       RADIO SOURCES (ASTRONOMY)
       RED SHIFT
       STAR CLUSTERS
       STAR FORMATION RATE
       STARS
       STELLAR SYSTEMS

GALAXY AIRCRAFT
  USE  C-5 AIRCRAFT

GALAXY GROUPS
  USE  GALACTIC CLUSTERS

GALAXY INTERACTION
  USE  INTERACTING GALAXIES

GALERKIN METHOD
  1902
  RT   LINEARIZATION
     % METHODOLOGY

GALILEAN SATELLITES
  3008
  GS   CELESTIAL BODIES
       .NATURAL SATELLITES
       ..JUPITER SATELLITES
       ..#GALILEAN SATELLITES
       ....CALLISTO
       ....EUROPA
       ....GANYMEDE
       ....IO
  RT   CHARON
       GALILEO PROJECT
       GALILEO SPACECRAFT
       ICY SATELLITES
       JUPITER (PLANET)
       TRITON

GALILEO MISSION
  USE  GALILEO PROJECT

GALILEO PROBE
  3108 3009
  GS   INTERPLANETARY SPACECRAFT
       .JUPITER PROBES
       .#GALILEO PROBE
       UNMANNED SPACECRAFT
       .SPACE PROBES
       ..JUPITER PROBES
       ..#GALILEO PROBE
  RT   JUPITER (PLANET)
     % PROBES
     % SPACECRAFT

GALILEO PROJECT
  3409 3009
  UF   GALILEO MISSION
  GS   PROGRAMS
       .NASA PROGRAMS
       ..NASA SPACE PROGRAMS
       ..#GALILEO PROJECT
       .PROJECTS
       .#GALILEO PROJECT
       .SPACE PROGRAMS
       ..NASA SPACE PROGRAMS
       ..#GALILEO PROJECT
  RT   AMPHITRITE ASTEROID
       ATMOSPHERIC ENTRY
```

```
        FLYBY MISSIONS
        GALILEAN SATELLITES
        JUPITER ATMOSPHERE
        JUPITER PROBES

GALILEO SPACECRAFT
  3108 3009
  GS    INTERPLANETARY SPACECRAFT
        .JUPITER PROBES
        .#GALILEO SPACECRAFT
        UNMANNED SPACECRAFT
        .SPACE PROBES
        ..JUPITER PROBES
        ..#GALILEO SPACECRAFT
  RT    FLYBY MISSIONS
        GALILEAN SATELLITES
        JUPITER (PLANET)
      % MISSIONS
      % SPACECRAFT

GALL
  0404
  RT    DIGESTIVE SYSTEM
        GASTROINTESTINAL SYSTEM
        SECRETIONS

GALLAMINE TRIETHIODIDE
  0405 1808
  GS    AMINES
        #GALLAMINE TRIETHIODIDE
        ETHERS
        #GALLAMINE TRIETHIODIDE
        HALOGEN COMPOUNDS
        .IODINE COMPOUNDS
        ..IODIDES
        ..#GALLAMINE TRIETHIODIDE

GALLATES
  0603 1804
  GS    GALLIUM COMPOUNDS
        #GALLATES
        ..SODIUM GALLATES

GALLIUM
  1703
  GS    CHEMICAL ELEMENTS
        #GALLIUM
        ..GALLIUM ISOTOPES
        METALS
        #GALLIUM
        ..GALLIUM ISOTOPES

GALLIUM ALLOYS
  1701 1704 2604
  GS    ALLOYS
        #GALLIUM ALLOYS
  RT    ALUMINUM ALLOYS
        INDIUM ALLOYS
        SUPERCONDUCTIVITY

GALLIUM ANTIMONIDES
  1701 1704 1804 2602
  GS    ANTIMONY COMPOUNDS
        .ANTIMONIDES
        .#GALLIUM ANTIMONIDES
        GALLIUM COMPOUNDS
        #GALLIUM ANTIMONIDES

GALLIUM ARSENIDE LASERS
  1601
  GS    ELECTRONIC EQUIPMENT
        .SOLID STATE DEVICES
        ..SEMICONDUCTOR DEVICES
        ...SEMICONDUCTOR LASERS
        ...#GALLIUM ARSENIDE LASERS
        ..SOLID STATE LASERS
        ..#GALLIUM ARSENIDE LASERS
        STIMULATED EMISSION DEVICES
        .LASERS
        ..SEMICONDUCTOR LASERS
        ..#GALLIUM ARSENIDE LASERS
        ..SOLID STATE LASERS
        ..#GALLIUM ARSENIDE LASERS
  RT    ALUMINUM GALLIUM ARSENIDE LASERS
        INJECTION LASERS
        STIMULATED EMISSION
        WAVEGUIDE LASERS

GALLIUM ARSENIDES
  1601 1703 1804 2602
  GS    ARSENIC COMPOUNDS
        .ARSENIDES
        .#GALLIUM ARSENIDES
        ...ALUMINUM GALLIUM ARSENIDES
        ...INDIUM GALLIUM ARSENIDES
        GALLIUM COMPOUNDS
        #GALLIUM ARSENIDES
        ..ALUMINUM GALLIUM ARSENIDES
        ..INDIUM GALLIUM ARSENIDES
  RT    GUNN DIODES
        HETEROJUNCTION DEVICES
        INJECTION LASERS
        MODFETS
        NEGATIVE CONDUCTANCE
        NEGATIVE ELECTRON AFFINITY
        NEGATIVE RESISTANCE DEVICES
        SCHOTTKY DIODES
        SEMICONDUCTOR LASERS
        SUPERLATTICES
        TRANSFERRED ELECTRON DEVICES

GALLIUM COMPOUNDS
  1704 1804
  GS    #GALLIUM COMPOUNDS
        .GADOLINIUM-GALLIUM GARNET
        .GALLATES
        ..SODIUM GALLATES
        .GALLIUM ANTIMONIDES
        .GALLIUM ARSENIDES
        ..ALUMINUM GALLIUM ARSENIDES
        ..INDIUM GALLIUM ARSENIDES
        .GALLIUM NITRIDES
        .GALLIUM OXIDES
        .GALLIUM PHOSPHIDES
        .GALLIUM SELENIDES
  RT  % CHEMICAL COMPOUNDS
      % GROUP 3A COMPOUNDS
      % METAL COMPOUNDS

GALLIUM ISOTOPES
  0603 1703 2406
  GS    CHEMICAL ELEMENTS
        .GALLIUM
        .#GALLIUM ISOTOPES
        .NUCLIDES
        ..ISOTOPES
        ..#GALLIUM ISOTOPES
        METALS
        .GALLIUM
        .#GALLIUM ISOTOPES

GALLIUM NITRIDES
  0601 0603 1703 1704 1801 1804
  GS    GALLIUM COMPOUNDS
        #GALLIUM NITRIDES
        NITROGEN COMPOUNDS
        .NITRIDES
        ..METAL NITRIDES
        ..#GALLIUM NITRIDES
  RT    SEMICONDUCTORS (MATERIALS)

GALLIUM OXIDES
  0603 1704 1804
  GS    CHALCOGENIDES
        .OXIDES
        ..METAL OXIDES
        ..#GALLIUM OXIDES
        GALLIUM COMPOUNDS
        #GALLIUM OXIDES

GALLIUM PHOSPHIDES
  1704 1804
  GS    GALLIUM COMPOUNDS
        #GALLIUM PHOSPHIDES
        PHOSPHORUS COMPOUNDS
```

.PHOSPHIDES
.#GALLIUM PHOSPHIDES

GALLIUM SELENIDES
1704 1804
GS CHALCOGENIDES
.SELENIDES
.#GALLIUM SELENIDES
GALLIUM COMPOUNDS
#GALLIUM SELENIDES
SELENIUM COMPOUNDS
.SELENIDES
.#GALLIUM SELENIDES

GALVANIC CELLS
USE ELECTROLYTIC CELLS

GALVANIC SKIN RESPONSE
0404 0408
UF ELECTRODERMAL RESPONSE
GS RESPONSES
#GALVANIC SKIN RESPONSE
RT ELECTRICAL RESISTANCE
LIES

GALVANIZING
USE ZINC COATINGS

GALVANOMAGNETIC EFFECTS
2304 2307 2602
UF GALVANOMAGNETISM
GS #GALVANOMAGNETIC EFFECTS
.NERNST-ETTINGSHAUSEN EFFECT
RT % EFFECTS
HALL EFFECT

GALVANOMAGNETISM
USE GALVANOMAGNETIC EFFECTS

GALVANOMETERS
1406 2304
GS MEASURING INSTRUMENTS
#GALVANOMETERS
RT AMMETERS
ELECTROMETERS
MICROMILLIAMMETERS
MILLIVOLTMETERS
THERMOCOUPLE PYROMETERS

GAMBIA
1305
GS NATIONS
#GAMBIA
RT AFRICA

GAME THEORY
1902 3404 3405 4001
GS #GAME THEORY
.SADDLE POINTS (GAME THEORY)
RT DECISION THEORY
DEPLOYMENT
INFORMATION THEORY
LINEAR PROGRAMMING
MARTINGALES
MATHEMATICAL MODELS
MATHEMATICAL PROGRAMMING
MINIMAX TECHNIQUE
MONTE CARLO METHOD
OPERATIONS RESEARCH
PROBABILITY THEORY
RISK
SADDLE POINTS
SIMULATION
STATISTICAL ANALYSIS
STATISTICAL DECISION THEORY
STOCHASTIC PROCESSES
STRATEGY
% THEORIES
WAR GAMES

GAMETOCYTES
0404
UF OOCYTES
SPERMATOCYTES
GS CELLS (BIOLOGY)
#GAMETOCYTES
..EGGS
..SPERMATOZOA
RT SPERMATOGENESIS

GAMMA FUNCTION
1902
GS ANALYSIS (MATHEMATICS)
.COMPLEX VARIABLES
.#GAMMA FUNCTION
FUNCTIONS (MATHEMATICS)
#GAMMA FUNCTION
RT FACTORIALS
STATISTICAL DISTRIBUTIONS

GAMMA GLOBULIN
0403 0405 1808
GS ANTIBODIES
#GAMMA GLOBULIN
BIOPOLYMERS
.PROTEINS
..GLOBULINS
..#GAMMA GLOBULIN
ORGANIC COMPOUNDS
.PROTEINS
..GLOBULINS
..#GAMMA GLOBULIN

GAMMA RADIATION
USE GAMMA RAYS

GAMMA RAY ABSORPTIOMETRY
1409 2311 2401 2402 2405
GS DENSITY MEASUREMENT
#GAMMA RAY ABSORPTIOMETRY
RT ABSORPTION SPECTRA
DENSITOMETERS
ELECTROMAGNETIC ABSORPTION
ENERGY ABSORPTION
% MEASUREMENT
PHOTON ABSORPTIOMETRY
RADIATION ABSORPTION

GAMMA RAY ABSORPTION
2310 2402 2405
GS ENERGY ABSORPTION
.RADIATION ABSORPTION
..ELECTROMAGNETIC ABSORPTION
..#GAMMA RAY ABSORPTION
RT % ABSORPTION
ELECTROMAGNETIC PROPERTIES
ELECTROMAGNETIC RADIATION
IONIZING RADIATION
NUCLEAR RADIATION
PHOTON ABSORPTIOMETRY

GAMMA RAY ASTRONOMY
1412 2903 3001
GS ASTRONOMY
#GAMMA RAY ASTRONOMY
RT ASTROPHYSICS
COSMIC X RAYS
ENERGY SPECTRA
GALACTIC RADIATION
GAMMA RAY BURSTS
GAMMA RAY TELESCOPES
RADIO ASTRONOMY
X RAY ASTRONOMY

GAMMA RAY ASTRONOMY EXPLORER
USE EXPLORER 11 SATELLITE

GAMMA RAY BEAMS
2401 2403 2405
GS BEAMS (RADIATION)
#GAMMA RAY BEAMS
ELECTROMAGNETIC RADIATION
#GAMMA RAY BEAMS
IONIZING RADIATION
#GAMMA RAY BEAMS

NUCLEAR RADIATION
#GAMMA RAY BEAMS
RT PHOTON BEAMS
RADIOACTIVE DECAY

GAMMA RAY BURSTS
3002
UF COSMIC GAMMA RAY BURSTS
GS BURSTS
#GAMMA RAY BURSTS
ELECTROMAGNETIC RADIATION
.GAMMA RAYS
.#GAMMA RAY BURSTS
EXTRATERRESTRIAL RADIATION
#GAMMA RAY BURSTS
IONIZING RADIATION
.COSMIC RAYS
.#GAMMA RAY BURSTS
.GAMMA RAYS
.#GAMMA RAY BURSTS
NUCLEAR RADIATION
.GAMMA RAYS
.#GAMMA RAY BURSTS
RT BIG BANG COSMOLOGY
BREMSSTRAHLUNG
CERENKOV RADIATION
COSMIC X RAYS
GALACTIC RADIATION
GAMMA RAY ASTRONOMY
INTERSTELLAR RADIATION
NUCLEAR PARTICLES
RADIANT FLUX DENSITY
STARQUAKES
STELLAR RADIATION
X RAY ASTRONOMY

GAMMA RAY LASERS
1601
GS STIMULATED EMISSION DEVICES
.LASERS
.#GAMMA RAY LASERS
RT COHERENT LIGHT
LIGHT TRANSMISSION
OPTICAL PUMPING
PULSED RADIATION

GAMMA RAY OBSERVATORY
3107 3001 2903
UF COMPTON GAMMA RAY OBSERVATORY
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..ASTRONOMICAL SATELLITES
..#GAMMA RAY OBSERVATORY
OBSERVATORIES
.ASTRONOMICAL OBSERVATORIES
..ASTRONOMICAL SATELLITES
..#GAMMA RAY OBSERVATORY
RT GAMMA RAY TELESCOPES
OGO
SPACEBORNE ASTRONOMY
SPACEBORNE TELESCOPES

GAMMA RAY SPECTRA
0901 3009
GS SPECTRA
.RADIATION SPECTRA
..ELECTROMAGNETIC SPECTRA
..#GAMMA RAY SPECTRA
RT EMISSION SPECTRA
IONIZING RADIATION

GAMMA RAY SPECTROMETERS
1406 2903 3001
GS MEASURING INSTRUMENTS
.SPECTROMETERS
.#GAMMA RAY SPECTROMETERS
RT OPTICAL MEASUREMENT
SCINTILLATING FIBERS
SOLAR MAXIMUM MISSION
SPECTRA
SPECTRUM ANALYSIS

GAMMA RAY TELESCOPES
1412 3001 2903 3001
GS TELESCOPES
#GAMMA RAY TELESCOPES
RT COSMIC RAYS
GAMMA RAY ASTRONOMY
GAMMA RAY OBSERVATORY
SCINTILLATING FIBERS

GAMMA RAYS
2402 2405 2903 3001
SN (EMITTED BY NUCLEI)
UF GAMMA RADIATION
GS ELECTROMAGNETIC RADIATION
#GAMMA RAYS
..GAMMA RAY BURSTS
IONIZING RADIATION
#GAMMA RAYS
..GAMMA RAY BURSTS
NUCLEAR RADIATION
#GAMMA RAYS
..GAMMA RAY BURSTS
RT BREMSSTRAHLUNG
CERENKOV RADIATION
COSMIC RAYS
COSMIC X RAYS
DECAY
EMISSION SPECTRA
FLUX (RATE)
FLUX DENSITY
MONOCHROMATIC RADIATION
MOSSBAUER EFFECT
PHOTOMAGNETIC EFFECTS
PHOTONS
% RADIATION
RADIATION EFFECTS
RADIATION SHIELDING
RADIOACTIVE DECAY
RADIOACTIVITY
% RAYS
SCINTILLATING FIBERS
TRANSVERSE OSCILLATION
TRANSVERSE WAVES
X RAYS

GANGLIA
0403 0404 0405 0406
GS ANATOMY
.NERVOUS SYSTEM
..NERVES
..#GANGLIA
RT CELLS (BIOLOGY)
NEUROGLIA
NEUROPHYSIOLOGY

GANTRIES
USE GANTRY CRANES

GANTRY CRANES
1504
UF GANTRIES
GS HANDLING EQUIPMENT
.CRANES
.#GANTRY CRANES
RT GROUND SUPPORT EQUIPMENT
LAUNCHING PADS
LAUNCHING SITES
UMBILICAL TOWERS

GANYMEDE
3008
GS CELESTIAL BODIES
.NATURAL SATELLITES
..ICY SATELLITES
..#GANYMEDE
..JUPITER SATELLITES
...GALILEAN SATELLITES
...#GANYMEDE
RT CALLISTO
CHARON
IO
JUPITER (PLANET)

```
GAP (PROPELLANTS)
  USE  GLYCIDYL AZIDE POLYMER

GAPS
  0904 2304
  GS   #GAPS
       .ENERGY GAPS (SOLID STATE)
       .SPARK GAPS
  RT % ARRESTERS
     % BREAKDOWN
       CRACK OPENING DISPLACEMENT
     % HOLES
       OPENINGS
       ORIFICES
       PASSAGEWAYS
       QUANTUM WELLS
     % TUNNELS

GAPS (GEOLOGY)
  1306
  UF   COLS
       PASSES
  GS   LANDFORMS
       #GAPS (GEOLOGY)
  RT   GEOLOGY
       MOUNTAINS
     % RIDGES

GARBAGE
  0505
  GS   WASTES
       #GARBAGE
  RT   COMPOSTING
       ORGANIC WASTES (FUEL CONVERSION)
       SEWERS
       SOLID WASTES
       UTILITIES
       WASTE DISPOSAL
       WASTE TREATMENT

GARMENTS
  0508
  GS   CLOTHING
       #GARMENTS
  RT   FLIGHT CLOTHING
       SUITS
       VESTS

GARNETS
  1804 2305 2309
  GS   MINERALS
       #GARNETS
       ..GADOLINIUM-GALLIUM GARNET
       ..YTTRIUM-ALUMINUM GARNET
       ..YTTRIUM-IRON GARNET
       SILICON COMPOUNDS
       .SILICATES
       .#GARNETS
       ...GADOLINIUM-GALLIUM GARNET
       ...YTTRIUM-ALUMINUM GARNET
       ...YTTRIUM-IRON GARNET
  RT   ECLOGITE
       LASERS

GARP
  USE  GLOBAL ATMOSPHERIC RESEARCH PROGRAM

GARP ATLANTIC TROPICAL EXPERIMENT
  1310 2003
  UF   GATE (EXPERIMENT)
  GS   PROGRAMS
       .GLOBAL ATMOSPHERIC RESEARCH
        PROGRAM
       .#GARP ATLANTIC TROPICAL EXPERIMENT
  RT   ATLANTIC OCEAN
       INTERTROPICAL CONVERGENT ZONES
       METEOROLOGY
       NASA PROGRAMS
       OCEANOGRAPHY
       TROPICAL METEOROLOGY
       TROPICAL REGIONS
       WEATHER FORECASTING

GAS ANALYSIS
  0601 0604 1406 1411
  GS   CHEMICAL TESTS
       .CHEMICAL ANALYSIS
       .#GAS ANALYSIS
       ...OZONOMETRY
       ...VAN SLYKE METHOD
  RT   AIR SAMPLING
       FLAME PROBES
       HOPCALITE (TRADEMARK)
       MASS SPECTROMETERS
     % MATERIALS TESTS
       OXYGEN ANALYZERS
       QUALITATIVE ANALYSIS
       QUANTITATIVE ANALYSIS
       VOLUMETRIC ANALYSIS

GAS ATOMIZATION
  1502
  GS   ATOMIZING
       #GAS ATOMIZATION
  RT   AEROSOLS
       COLLISIONS
       COMMINUTION
       LIQUID ATOMIZATION
       PARTICLES

GAS BAGS
  0205 1103 1203 3202 3501
  GS   BAGS
       #GAS BAGS
       EXPANDABLE STRUCTURES
       .INFLATABLE STRUCTURES
       .#GAS BAGS
  RT   BALLOONS
       HIGH ALTITUDE BALLOONS

GAS BEARINGS
  1501 1503 2311
  UF   AIR BEARINGS
       GAS LUBRICATED BEARINGS
  GS   BEARINGS
       #GAS BEARINGS
  RT   ANTIFRICTION BEARINGS
       FLUID FILMS
       FOIL BEARINGS
       HIGH TEMPERATURE LUBRICANTS
       SQUEEZE FILMS
       THRUST BEARINGS
       TURBINE ENGINES

GAS CHROMATOGRAPHY
  0401 0601
  GS   CHEMICAL TESTS
       .CHEMICAL ANALYSIS
       ..CHROMATOGRAPHY
       ..#GAS CHROMATOGRAPHY
  RT   ADSORPTION
       PAPER CHROMATOGRAPHY
       SORPTION
       THIN LAYER CHROMATOGRAPHY

GAS COMPOSITION
  0601 1411
  GS   COMPOSITION (PROPERTY)
       #GAS COMPOSITION
       ..CARBON DIOXIDE CONCENTRATION
  RT   ATMOSPHERIC COMPOSITION
       ATOM CONCENTRATION
       CHEMICAL COMPOSITION
       DALTON LAW
       EXPIRED AIR
       IONOSPHERIC COMPOSITION
       PLASMA COMPOSITION
       POLAR GASES

GAS COOLED FAST REACTORS
  2202 2204 2405
  GS   NUCLEAR REACTORS
       .FAST NUCLEAR REACTORS
       .#GAS COOLED FAST REACTORS
       .GAS COOLED REACTORS
```

```
      .#GAS COOLED FAST REACTORS

GAS COOLED REACTORS
  2202 2204 2405
  UF   GCR (REACTORS)
  GS   NUCLEAR REACTORS
       #GAS COOLED REACTORS
       ..EXPERIMENTAL GAS COOLED REACTORS
       ..GAS COOLED FAST REACTORS
       ..HIGH TEMPERATURE NUCLEAR REACTORS
       ...HIGH TEMPERATURE GAS COOLED
          REACTORS
       ..KIWI REACTORS
       ...KIWI B REACTORS
       ....KIWI B-1 REACTOR
       ....KIWI B-4 REACTOR
       ..TORY 2 REACTOR
       ..TORY 2-A REACTOR
       ..TORY 2-C REACTOR
  RT % GAS REACTORS

GAS COOLING
  1203 2203 3304 3501
  SN   (COOLING WITH GAS)
  GS   COOLING
       #GAS COOLING
  RT   COOLANTS
       FREON
       HEAT EXCHANGERS

GAS DENSITY
  0603 1203 3304 3501
  GS   DENSITY (MASS/VOLUME)
       #GAS DENSITY
  RT   ATOM CONCENTRATION
       BUOYANCY
       CONVECTIVE FLOW
       GASEOUS DIFFUSION
       IDEAL GAS
       PROBABILITY DENSITY FUNCTIONS
       RAREFIED GASES
       REAL GASES

GAS DETECTORS
  0601 0602 0603 1405 1406 1409 1411
  RT   DETECTION
     % DETECTORS
       HAZE DETECTION
       IDENTIFYING
       INDICATING INSTRUMENTS
       MONITORS
     % PROBES
     % SENSORS
       SMOKE DETECTORS
       WARNING SYSTEMS

GAS DIFFUSION
  USE  GASEOUS DIFFUSION

GAS DISCHARGE COUNTERS
  USE  COUNTERS
       GAS DISCHARGE TUBES

GAS DISCHARGE TUBES
  0603 1406 1804 2304
  UF   DISCHARGE TUBES
       GAS DISCHARGE COUNTERS
  GS   ELECTRON TUBES
       #GAS DISCHARGE TUBES
       ..IGNITRONS
       ..THYRATRONS
  RT   FARADAY DARK SPACE
     % GAS TUBES
       MICROWAVE EQUIPMENT
       MICROWAVE OSCILLATORS
       MICROWAVE TUBES
       PHOTOTUBES
       RADIATION COUNTERS

GAS DISCHARGES
  0603 1804 2304
  GS   ELECTRIC CURRENT
       .ELECTRIC DISCHARGES
       ..TOWNSEND DISCHARGE
       ..#GAS DISCHARGES
       ....TOROIDAL DISCHARGE
       .....RING DISCHARGE
  RT   AFTERGLOWS
       COLD CATHODE TUBES
       COLD CATHODES
       ELECTRIC ARCS
       ELECTRIC SPARKS
       ELECTRODELESS DISCHARGES
       ELECTRON AVALANCHE
       GLOW DISCHARGES
       LIGHTNING
       POLAR GASES

GAS DISSOCIATION
  0603 1203 1804 3501
  GS   DISSOCIATION
       #GAS DISSOCIATION
  RT   THERMAL DISSOCIATION

GAS DYNAMICS
  0603 1203 3501
  GS   FLUID MECHANICS
       .FLUID DYNAMICS
       .#GAS DYNAMICS
       ...AERODYNAMICS
       ....AEROTHERMODYNAMICS
       ....HYPERSONICS
       ....ROTOR AERODYNAMICS
       ....SUPERSONICS
       ....UNSTEADY AERODYNAMICS
       ...INTERACTIONAL AERODYNAMICS
       ...RAREFIED GAS DYNAMICS
  RT   DALTON LAW
     % DYNAMICS
       GAS PATH ANALYSIS
       GASEOUS DIFFUSION
       GASEOUS SELF-DIFFUSION
       GASES
       HYDRODYNAMIC EQUATIONS
       HYDRODYNAMICS
       JET MEMBRANE PROCESS
       KINETICS
       LORENTZ GAS
       MAGNETOHYDRODYNAMICS
     % MECHANICS (PHYSICS)
       MOLECULAR GASES
       POLAR GASES
       THERMODYNAMICS

GAS EVACUATING
  USE  EVACUATING (VACUUM)

GAS EVOLUTION
  0603 1203
  GS   EVOLUTION (LIBERATION)
       #GAS EVOLUTION
  RT   DEGASSING
       OUTGASSING
       TRANSPIRATION

GAS EXCHANGE
  0404 0603
  GS   EXCHANGING
       #GAS EXCHANGE
  RT   OXYGEN PRODUCTION

GAS EXPANSION
  0603 1203 3304 3501
  GS   EXPANSION
       #GAS EXPANSION
  RT   JOULE-THOMSON EFFECT
       PRESSURE REDUCTION

GAS EXPLOSIONS
  0603 3301 3302
  GS   EXPLOSIONS
       .CHEMICAL EXPLOSIONS
       .#GAS EXPLOSIONS
  RT   DETONABLE GAS MIXTURES
       DETONATION WAVES
```

```
      FLAME PROPAGATION
      FLAMMABLE GASES
      UNDERGROUND EXPLOSIONS

GAS FLOW
  1203 3501
  UF  GASEOUS CAVITATION
  GS  FLUID FLOW
      #GAS FLOW
      ..AIR FLOW
      ...AIR CURRENTS
      ....JET STREAMS (METEOROLOGY)
      ....MERIDIONAL FLOW
      ....VERTICAL AIR CURRENTS
      ..CONTINUUM FLOW
      ..COOLING FLOWS (ASTROPHYSICS)
      ..EQUILIBRIUM FLOW
      ...FROZEN EQUILIBRIUM FLOW
      ...SHIFTING EQUILIBRIUM FLOW
      ..FREE MOLECULAR FLOW
      ..KNUDSEN FLOW
      ..MOLECULAR FLOW
      ...SLIP FLOW
      ...TRANSITION FLOW
      ..NONEQUILIBRIUM FLOW
      ..PIPE FLOW
  RT  AIR DUCTS
      AIR JETS
      COMPRESSIBLE FLOW
      CRITICAL FLOW
      CROCCO-LEE THEORY
      GAS PATH ANALYSIS
      GASDYNAMIC LASERS
      GASEOUS DIFFUSION
      GASES
      GEOPHYSICAL FLUID FLOW CELLS
      HYDRAULIC ANALOGIES
      HYPERSONIC FLOW
      INCOMPRESSIBLE FLOW
      INVISCID FLOW
      JOULE-THOMSON EFFECT
      LAMINAR FLOW
      LIQUID FLOW
      MAGNETOHYDRODYNAMIC FLOW
      MASS FLOW
      MOLECULAR RELAXATION
      MOLECULAR TRAJECTORIES
      MULTIPHASE FLOW
      NONUNIFORM FLOW
      ORIFICE FLOW
    % PRESSURE DROP
      RADIAL FLOW
      SINGLE-PHASE FLOW
      STEADY FLOW
      STEAM FLOW
      STREAMS
      SUBCRITICAL FLOW
      SUBSONIC FLOW
      SUPERCRITICAL FLOW
      SUPERSONIC FLOW
      SUPERSONIC JET FLOW
      TRANSONIC FLOW
      TURBULENT FLOW
      TWO PHASE FLOW
      UNIFORM FLOW
      UNSTEADY FLOW
      VAPOR JETS
      VISCOUS FLOW

GAS GENERATOR ENGINES
  USE ENGINES
      GAS GENERATORS

GAS GENERATORS
  0303 0603 1203 2802 3501
  UF  GAS GENERATOR ENGINES
  RT  CHEMICAL REACTORS
    % GENERATORS
      PNEUMATIC EQUIPMENT
      PRESSURIZING
      VAPORIZERS

GAS GIANT PLANETS
  1301 3001
  GS  CELESTIAL BODIES
      .PLANETS
      .#GAS GIANT PLANETS
      ...JUPITER (PLANET)
      ...NEPTUNE (PLANET)
      ...SATURN (PLANET)
      ...URANUS (PLANET)
  RT  EXTRASOLAR PLANETS
      JUPITER RED SPOT
      NEPTUNE ATMOSPHERE
      PLANETARY COMPOSITION
      SATURN RINGS
      SOLAR SYSTEM
      URANUS ATMOSPHERE

GAS GUNS
  1203 2311 3303 3304 3501
  GS  #GAS GUNS
      .LIGHT GAS GUNS
  RT  ATMOSPHERIC ENTRY
      BALLISTICS
    % GUNS
      HYPERVELOCITY GUNS
      WIND TUNNELS

GAS HEATING
  1203 2311 3303 3304 3501
  GS  HEATING
      #GAS HEATING
  RT  ARC HEATING
      KINETIC HEATING
      PLASMA HEATING
      RADIANT HEATING
      RESISTANCE HEATING
      THERMAL DIFFUSION

GAS INJECTION
  1203 2311 2808 3501
  GS  INJECTION
      .FLUID INJECTION
      .#GAS INJECTION
  RT  FORMATIONS
      FUEL INJECTION
      INFLATING
      PERFORATING
      PLASMA PUMPING
      POROSITY
      PRESSURIZING
      STIMULATION
      WATER INJECTION

GAS IONIZATION
  0602 1203 1804 2502 3501
  GS  IONIZATION
      #GAS IONIZATION
      ..ATMOSPHERIC IONIZATION
      ...AURORAL IONIZATION
      ..FLAME IONIZATION
  RT  AFTERGLOWS
      ELECTRON ATTACHMENT
      HELIUM AFTERGLOW
      IONIZED GASES
      IONIZERS
      PENNING DISCHARGE
      PENNING EFFECT
      PHOTOIONIZATION
      PLASMA DISPLAY DEVICES
      RING DISCHARGE

GAS JETS
  1202 1203
  GS  FLUID JETS
      #GAS JETS
  RT  AIR JETS
      COLD GAS
    % JETS

GAS LASERS
  1203 1601 2311 3304
  GS  STIMULATED EMISSION DEVICES
      .LASERS
```

.#GAS LASERS
...CARBON DIOXIDE LASERS
...CARBON MONOXIDE LASERS
...DF LASERS
...EXCIMER LASERS
...HCL LASERS
....HCL ARGON LASERS
...HCN LASERS
...HELIUM-NEON LASERS
...HF LASERS
...KRYPTON FLUORIDE LASERS
...NITROGEN LASERS
...TEA LASERS
...ULTRAVIOLET LASERS
...XENON CHLORIDE LASERS
...XENON FLUORIDE LASERS
RT CARBON LASERS
CHEMICAL LASERS
ELECTRON PUMPING
GASDYNAMIC LASERS
INFRARED LASERS
MACH-ZEHNDER INTERFEROMETERS
MOLECULAR OSCILLATIONS
NUCLEAR PUMPING
ORGANIC LASERS
POLAR GASES
PULSED LASERS
Q SWITCHED LASERS
RARE GAS-HALIDE LASERS
STIMULATED EMISSION
WATER MASERS

GAS LIQUEFACTION
USE CONDENSING

GAS LUBRICANTS
1203 1501 1503 2311 3304 3501
GS LUBRICANTS
#GAS LUBRICANTS
RT GASEOUS DIFFUSION
HIGH TEMPERATURE LUBRICANTS
METAL-GAS SYSTEMS
SOLID LUBRICANTS
SQUEEZE FILMS

GAS LUBRICATED BEARINGS
USE GAS BEARINGS

GAS MASERS
1201 1203 1601 3304
GS STIMULATED EMISSION DEVICES
.MASERS
.#GAS MASERS
...HYDROGEN MASERS
RT ARGON LASERS
ATOMIC CLOCKS
CARBON DIOXIDE LASERS
FREQUENCY STANDARDS
INTERSTELLAR MASERS
POLAR GASES
STIMULATED EMISSION
TEA LASERS
WATER MASERS

GAS METERS
1203 1406 1408 3501
GS MEASURING INSTRUMENTS
.FLOWMETERS
.#GAS METERS
RT FLOW MEASUREMENT
VENTURI TUBES

GAS MIXTURES
0602 1203 2701 2702 3301 3501
GS GASES
#GAS MIXTURES
..AIR
...ALVEOLAR AIR
...COMPRESSED AIR
...EXPIRED AIR
...HIGH TEMPERATURE AIR
...LIQUID AIR
..DETONABLE GAS MIXTURES
MIXTURES
.SOLUTIONS
.#GAS MIXTURES
...AIR
....ALVEOLAR AIR
....COMPRESSED AIR
....EXPIRED AIR
....HIGH TEMPERATURE AIR
....LIQUID AIR
...DETONABLE GAS MIXTURES
RT ARGON-OXYGEN ATMOSPHERES
% ATMOSPHERES
BINARY FLUIDS
BINARY MIXTURES
CONTROLLED ATMOSPHERES
EUDIOMETERS
EXHAUST GASES
FUEL-AIR RATIO
FUMES
GASEOUS ROCKET PROPELLANTS
HELIUM-OXYGEN ATMOSPHERES
HYDROGEN-BASED ENERGY
IGNITION LIMITS
LAMINAR MIXING
LIGHTHILL GAS MODEL
LIQUEFIED GASES
LIQUID-GAS MIXTURES
MIXING RATIOS
PREMIXED FLAMES
PREMIXING

GAS PATH ANALYSIS
1406 3501
RT GAS DYNAMICS
GAS FLOW

GAS PHASES
USE VAPOR PHASES

GAS PIPES
1203
GS PIPES (TUBES)
#GAS PIPES
RT % GAS TUBES

GAS POCKETS
0603 1203 1306 3501
RT CAVITIES
EVACUATING (VACUUM)

GAS PRESSURE
2003 2311 3301
GS PRESSURE
#GAS PRESSURE
RT ATMOSPHERIC PRESSURE
COMPRESSED GAS
INTERNAL PRESSURE
PARTIAL PRESSURE

% GAS REACTORS
0602 1203 2202 2203 2204 2311
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT CHEMICAL REACTORS
GAS COOLED REACTORS
GASEOUS FISSION REACTORS

GAS RECOVERY
0505 0602 1203 3407
GS RECLAMATION
#GAS RECOVERY
RT ENERGY TECHNOLOGY
EXHAUST GASES
GASEOUS DIFFUSION
GASES
% RECOVERY
WASTES

GAS SPECTROSCOPY
0601 1411
GS SPECTROSCOPY

#GAS SPECTROSCOPY
RT CHEMICAL ANALYSIS
CHEMICAL TESTS
FLAME SPECTROSCOPY
MAGNETIC SPECTROSCOPY
MASS SPECTROSCOPY
OPTOGALVANIC SPECTROSCOPY
SPECTROSCOPIC ANALYSIS
VACUUM SPECTROSCOPY
VISIBLE SPECTRUM

GAS STREAMS
1203 3304 3501
GS GASES
#GAS STREAMS
STREAMS
#GAS STREAMS
RT JET FLOW
LAMINAR FLOW
TURBULENCE
WIND TUNNELS

GAS TEMPERATURE
1202 1203 1408 2404 3304 3501
GS TEMPERATURE
#GAS TEMPERATURE
RT ATMOSPHERIC TEMPERATURE
INLET TEMPERATURE
IONIZED GASES
RAREFIED GASES
SHOCK TUBES
SHOCK WAVES
TEMPERATURE MEASUREMENT

GAS TRANSPORT
0602 1203 2311 3501
SN (ENCOMPASSES GAS DYNAMICS--EXCLUDES MATERIALS HANDLING)
RT ENERGY TRANSFER
GASEOUS DIFFUSION
HEAT TRANSFER
KINETIC THEORY
LIGHTHILL GAS MODEL
MAGNETOHYDRODYNAMICS
MASS TRANSFER
POLLUTION TRANSPORT
TRANSPORT THEORY

% GAS TUBES
0602 0905 1002
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT COLD CATHODE TUBES
GAS DISCHARGE TUBES
GAS PIPES
TRIGATRONS

GAS TUNGSTEN ARC WELDING
1504
UF TIG WELDING
TUNGSTEN INERT GAS WELDING
GS WELDING
.FUSION WELDING
..ELECTRIC WELDING
...ARC WELDING
...#GAS TUNGSTEN ARC WELDING
RT HEAT AFFECTED ZONE

GAS TURBINE ENGINES
2805 2808
GS ENGINES
.AIR BREATHING ENGINES
.#GAS TURBINE ENGINES
...JET ENGINES
....RAMJET ENGINES
.....INTEGRAL ROCKET RAMJETS
.....LOW VOLUME RAMJET ENGINES
.....PULSEJET ENGINES
.....SUPERSONIC COMBUSTION RAMJET ENGINES
.....TURBORAMJET ENGINES
....TURBOJET ENGINES
.....BRISTOL-SIDDELEY OLYMPUS 593 ENGINE
.....BRISTOL-SIDDELEY VIPER ENGINE
.....DUCTED FAN ENGINES
.....J-33 ENGINE
.....J-34 ENGINE
.....J-47 ENGINE
.....J-57 ENGINE
.....J-57-P-20 ENGINE
.....J-65 ENGINE
.....J-69-T-25 ENGINE
.....J-71 ENGINE
.....J-73 ENGINE
.....J-75 ENGINE
.....J-79 ENGINE
.....J-85 ENGINE
.....J-93 ENGINE
.....RA-28 ENGINE
.....TURBOFAN ENGINES
.....BRISTOL-SIDDELEY BS 53 ENGINE
.....CF-700 ENGINE
.....CONVERTIBLE FAN-SHAFT ENGINES
.....J-97 ENGINE
.....TF-41 ENGINE
.....TURBOPROP ENGINES
.....T-53 ENGINE
.....T-56 ENGINE
.....T-64 ENGINE
.....T-74 ENGINE
.....TURBORAMJET ENGINES
...T-58-GE-8B ENGINE
.INTERNAL COMBUSTION ENGINES
.#GAS TURBINE ENGINES
...HYDROGEN ENGINES
...JET ENGINES
....RAMJET ENGINES
.....INTEGRAL ROCKET RAMJETS
.....LOW VOLUME RAMJET ENGINES
.....PULSEJET ENGINES
.....SUPERSONIC COMBUSTION RAMJET ENGINES
.....TURBORAMJET ENGINES
....T-63 ENGINE
....T-76 ENGINE
....TURBOJET ENGINES
.....BRISTOL-SIDDELEY OLYMPUS 593 ENGINE
.....BRISTOL-SIDDELEY VIPER ENGINE
.....DUCTED FAN ENGINES
.....J-33 ENGINE
.....J-34 ENGINE
.....J-47 ENGINE
.....J-52 ENGINE
.....J-57 ENGINE
.....J-57-P-20 ENGINE
.....J-65 ENGINE
.....J-69-T-25 ENGINE
.....J-71 ENGINE
.....J-73 ENGINE
.....J-75 ENGINE
.....J-79 ENGINE
.....J-85 ENGINE
.....J-93 ENGINE
.....RA-28 ENGINE
.....TURBOFAN ENGINES
.....BRISTOL-SIDDELEY BS 53 ENGINE
.....CF-700 ENGINE
.....CONVERTIBLE FAN-SHAFT ENGINES
.....J-97 ENGINE
.....TF-30 ENGINE
.....TF-41 ENGINE
.....TURBOPROP ENGINES
.....T-34 ENGINE
.....T-38 ENGINE
.....T-53 ENGINE
.....T-56 ENGINE
.....T-64 ENGINE
.....T-74 ENGINE
.....T-78 ENGINE
.....TURBORAMJET ENGINES
...T-58 ENGINE

```
      ...T-58-GE-8B ENGINE
      .TURBINE ENGINES
      .#GAS TURBINE ENGINES
      ...JET ENGINES
      ....RAMJET ENGINES
      .....LOW VOLUME RAMJET ENGINES
      .....PULSEJET ENGINES
      .....SUPERSONIC COMBUSTION RAMJET
           ENGINES
      .....TURBORAMJET ENGINES
      ....T-63 ENGINE
      ....T-76 ENGINE
      ....TURBOJET ENGINES
      .....BRISTOL-SIDDELEY OLYMPUS 593
           ENGINE
      .....BRISTOL-SIDDELEY VIPER ENGINE
      .....DUCTED FAN ENGINES
      .....J-33 ENGINE
      .....J-34 ENGINE
      .....J-47 ENGINE
      .....J-52 ENGINE
      .....J-57 ENGINE
      .....J-57-P-20 ENGINE
      .....J-65 ENGINE
      .....J-69-T-25 ENGINE
      .....J-71 ENGINE
      .....J-73 ENGINE
      .....J-75 ENGINE
      .....J-79 ENGINE
      .....J-85 ENGINE
      .....J-93 ENGINE
      .....RA-28 ENGINE
      .....TURBOFAN ENGINES
      ......BRISTOL-SIDDELEY BS 53 ENGINE
      ......CF-700 ENGINE
      ......CONVERTIBLE FAN-SHAFT ENGINES
      ......J-97 ENGINE
      ......TF-30 ENGINE
      ......TF-41 ENGINE
      .....TURBOPROP ENGINES
      ......T-34 ENGINE
      ......T-38 ENGINE
      ......T-53 ENGINE
      ......T-56 ENGINE
      ......T-64 ENGINE
      ......T-74 ENGINE
      ......T-78 ENGINE
      .....TURBORAMJET ENGINES
      ...T-58 ENGINE
      ...T-58-GE-8B ENGINE
RT    AIRCRAFT ENGINES
      AXIAL FLOW TURBINES
      BRAYTON CYCLE
      EXTERNAL COMBUSTION ENGINES
      FLAMEOUT
```

```
      STEAM TURBINES
      SUPERSONIC TURBINES
      TURBOGENERATORS
      TWO STAGE TURBINES

GAS TURBINES
  1203 2801 3303 3501
  GS  TURBOMACHINERY
      .TURBINES
      .#GAS TURBINES
  RT  AXIAL FLOW TURBINES
      BRAYTON CYCLE
      CLOSED CYCLES
      COMBINED CYCLE POWER GENERATION
      INTERNAL COMBUSTION ENGINES
      SPRAY INGESTION
      STEAM TURBINES
      SUPERSONIC TURBINES
      TURBOGENERATORS
      TWO STAGE TURBINES

GAS VALVES
  0602 1203 2808 3501
  GS  PNEUMATIC EQUIPMENT
      #GAS VALVES
      VALVES
      #GAS VALVES
  RT  AUTOMATIC CONTROL VALVES
      COCKS
      DAMPERS (VALVES)
      FUEL VALVES
      RELIEF VALVES

GAS VISCOSITY
  0602 1203 2808 3501
  GS  TRANSPORT PROPERTIES
      .VISCOSITY
      .#GAS VISCOSITY
  RT  GASEOUS DIFFUSION
      LENNARD-JONES GAS

GAS WELDING
  0602 1507 1704 3303
  SN  (EXCLUDES ELECTRIC WELDING IN THE
      PRESENCE OF A CONTROLLED GASEOUS
      ATMOSPHERE)
  GS  WELDING
      .FUSION WELDING
      .#GAS WELDING
      ...BRAZING
      ....LOW TEMPERATURE BRAZING
  RT  GAS-METAL INTERACTIONS
      PRESSURE WELDING

GAS-GAS INTERACTIONS
```

```
  0602
  GS  #GAS-GAS INTERACTIONS
      .ASSOCIATION REACTIONS
  RT  DALTON LAW
      DETONABLE GAS MIXTURES
      EXHAUST EMISSION
      GASEOUS DIFFUSION
    % INTERACTIONS

GAS-ION INTERACTIONS
  0602 1804
  UF  ION-GAS INTERACTIONS
  RT  GASEOUS DIFFUSION
    % INTERACTIONS

GAS-LIQUID INTERACTIONS
  0602 3303 3501
  GS  #GAS-LIQUID INTERACTIONS
      .AIR WATER INTERACTIONS
      ..AIR SEA ICE INTERACTIONS
  RT  CONDENSING
      ENERGY TRANSFER
      EVAPORATION
      GASEOUS DIFFUSION
      HEAT TRANSFER
    % INTERACTIONS
      INTERFACIAL TENSION
      MASS TRANSFER
      MOMENTUM TRANSFER
      NONCONDENSABLE GASES
      SURFACE REACTIONS

GAS-METAL INTERACTIONS
  0602 1203 1702 1703 3303 3501
  GS  FLUID-SOLID INTERACTIONS
      .GAS-SOLID INTERACTIONS
      .#GAS-METAL INTERACTIONS
  RT  ABLATION
      ADSORPTION
      CHEMICAL REACTIONS
      CHEMISORPTION
    % CONDENSATION
      CONDENSING
      CORROSION
      DIFFUSION
      EVAPORATION
      EXHAUST EMISSION
      FLAME PROPAGATION
      GAS WELDING
      GASEOUS DIFFUSION
      HOT CORROSION
      HYDROGEN EMBRITTLEMENT
    % INTERACTIONS
      METAL COMBUSTION
      METAL VAPORS
```

```
      METAL-GAS SYSTEMS
      OCCLUSION
      SOLID PHASES
      SUBLIMATION
      SULFIDATION
      VAPOR PHASES

GAS-SOLID INTERACTIONS
  0602
  GS  FLUID-SOLID INTERACTIONS
      #GAS-SOLID INTERACTIONS
      ..GAS-METAL INTERACTIONS
  RT  AIR LAND INTERACTIONS
      DYNAMIC LOADS
      FLUID DYNAMICS
      IMPINGEMENT
    % INTERACTIONS
      PANEL METHOD (FLUID DYNAMICS)

GAS-SOLID INTERFACES
  0602 1203 1702 1703
  GS  BOUNDARIES
      .FLUID BOUNDARIES
      .#GAS-SOLID INTERFACES
      INTERFACES
      .FLUID BOUNDARIES
      .#GAS-SOLID INTERFACES
  RT  BOUNDARY LAYERS
      FLUID-SOLID INTERACTIONS
      HEAT TRANSFER
      INTERFACE STABILITY
      METAL SURFACES
      OCCLUSION
      SOLID PHASES
      SOLID-SOLID INTERFACES
      SOLUBILITY
      SUBLIMATION
      VAPOR PHASES

GASDYNAMIC LASERS
  0603 1203
  GS  STIMULATED EMISSION DEVICES
      .LASERS
      .#GASDYNAMIC LASERS
  RT  GAS FLOW
      GAS LASERS
      LASER OUTPUTS
      PLASMADYNAMIC LASERS
      TUBE LASERS

GASEOUS CAVITATION
  USE CAVITATION FLOW
      GAS FLOW

GASEOUS DIFFUSION
  0602 1203 3304
  UF  GAS DIFFUSION
  GS  DIFFUSION
      #GASEOUS DIFFUSION
      ..GASEOUS SELF-DIFFUSION
      TRANSPORT PROPERTIES
      #GASEOUS DIFFUSION
      ..GASEOUS SELF-DIFFUSION
  RT  DIFFUSION COEFFICIENT
      GAS DENSITY
      GAS DYNAMICS
      GAS FLOW
      GAS LUBRICANTS
      GAS RECOVERY
      GAS TRANSPORT
      GAS VISCOSITY
      GAS-GAS INTERACTIONS
      GAS-ION INTERACTIONS
      GAS-LIQUID INTERACTIONS
      GAS-METAL INTERACTIONS
      MIXING RATIOS
      MOLECULAR DIFFUSION
      POLLUTION TRANSPORT
      THERMAL DIFFUSION

GASEOUS FISSION REACTORS
  0602 1203 2204 2405 3303
  GS  NUCLEAR REACTORS
      #GASEOUS FISSION REACTORS
  RT  FISSILE FUELS
      FISSIONABLE MATERIALS
    % GAS REACTORS
      NUCLEAR LIGHTBULB ENGINES
      NUCLEAR PROPULSION
      PLASMA PROPULSION

GASEOUS FUELS
  2701 2702 2801
  GS  FUELS
      #GASEOUS FUELS
      ..NATURAL GAS
      GASES
      .FLAMMABLE GASES
      .#GASEOUS FUELS
  RT  LIGNITE
      LIQUID FUELS

GASEOUS ROCKET PROPELLANTS
  1203 2311 2702 3301 3302
  GS  PROPELLANTS
      .ROCKET PROPELLANTS
      .#GASEOUS ROCKET PROPELLANTS
  RT  CRYOGENIC ROCKET PROPELLANTS
      ENDOTHERMIC FUELS
      GAS MIXTURES
      HIGH ENERGY PROPELLANTS
      HYBRID PROPELLANTS
      HYDROGEN FUELS
      LIQUID ROCKET PROPELLANTS
      MAN OPERATED PROPULSION SYSTEMS
      MONOPROPELLANTS
      STORABLE PROPELLANTS

GASEOUS SELF-DIFFUSION
  0603 1203 3304
  GS  DIFFUSION
      .GASEOUS DIFFUSION
      .#GASEOUS SELF-DIFFUSION
      TRANSPORT PROPERTIES
      .GASEOUS DIFFUSION
      .#GASEOUS SELF-DIFFUSION
  RT  ELECTRON DIFFUSION
      GAS DYNAMICS
      KINETIC THEORY
      MOLECULAR DIFFUSION
      PARTICLE DIFFUSION
      PLASMA DIFFUSION

GASES
  1203 1506 1805 1807
  GS  #GASES
      .AMMONIA
      ..LIQUID AMMONIA
      .CARBON DIOXIDE
      .CARBON MONOXIDE
      .CARBON SUBOXIDES
      .COLD GAS
      .COMPRESSED GAS
      ..HIGH PRESSURE OXYGEN
      .DISSOLVED GASES
      .EXHAUST GASES
      ..FLUE GASES
      .FLAMMABLE GASES
      ..GASEOUS FUELS
      ..LIQUEFIED NATURAL GAS
      ..PYROGEN
      .GAS MIXTURES
      ..AIR
      ...ALVEOLAR AIR
      ...COMPRESSED AIR
      ...EXPIRED AIR
      ...HIGH TEMPERATURE AIR
      ...LIQUID AIR
      ..DETONABLE GAS MIXTURES
      .GAS STREAMS
      .GRAY GAS
      .HIGH TEMPERATURE GASES
      ..HIGH TEMPERATURE AIR
      .HYDROGEN
      ..HYDROGEN ISOTOPES
```

```
...DEUTERIUM
...HYDROGEN 4
...METALLIC HYDROGEN
...TRITIUM
..LIQUID HYDROGEN
.IDEAL GAS
.IONIZED GASES
..LORENTZ GAS
.LIQUEFIED GASES
..LIQUEFIED NATURAL GAS
..LIQUID AIR
..LIQUID AMMONIA
..LIQUID FLUORINE
..LIQUID HELIUM
...LIQUID HELIUM 2
..LIQUID HYDROGEN
..LIQUID NEON
..LIQUID NITROGEN
..LIQUID OXYGEN
.MOLECULAR GASES
..POLAR GASES
..POLYATOMIC GASES
...DIATOMIC GASES
.MONATOMIC GASES
.NEUTRAL GASES
.NITROGEN
..LIQUID NITROGEN
..NITROGEN ISOTOPES
...NITROGEN 15
...NITROGEN 16
..SOLID NITROGEN
.NONCONDENSABLE GASES
.NONGRAY GAS
.NONPOLAR GASES
.ORTHO HYDROGEN
.OXYGEN
..LIQUID OXYGEN
..OXYGEN ISOTOPES
...OXYGEN 17
...OXYGEN 18
.OZONE
.PARA HYDROGEN
.PHOSGENE
.RARE GASES
..ARGON
...ARGON ISOTOPES
..HELIUM
...HELIUM ISOTOPES
...LIQUID HELIUM
....LIQUID HELIUM 2
..KRYPTON
...KRYPTON ISOTOPES
....KRYPTON 85
..NEON
...LIQUID NEON
...NEON ISOTOPES
..RADON
...RADON ISOTOPES
..XENON
...XENON ISOTOPES
....XENON 129
....XENON 133
....XENON 135
.RAREFIED GASES
..COSMIC GASES
...INTERPLANETARY GAS
...INTERSTELLAR GAS
.RAREFIED PLASMAS
.REAL GASES
.RESIDUAL GAS
.SOLIDIFIED GASES
..SOLID CRYOGENS
...SOLID NITROGEN
.SULFUR HEXAFLUORIDE
  RT % ATMOSPHERES
       COAL GASIFICATION
     % FLUIDS
       FUELS
       FUMES
       GAS DYNAMICS
       GAS FLOW
       GAS RECOVERY
       HYDROGEN CLOUDS
       METAL-GAS SYSTEMS
       NONPOINT SOURCES
       ODORS
       PLASMAS (PHYSICS)
       PNEUMATICS
       PREVAPORIZATION
       REACTION PRODUCTS
       VAPOR PHASES
       VAPORS

GASIFICATION
  0602 0603 3407
  GS  #GASIFICATION
       .COAL GASIFICATION
       ..HYDROPYROLYSIS
  RT   SYNTHANE
       VAPORIZING

GASKETS
  1504
  GS   SEALS (STOPPERS)
       #GASKETS
  RT   LABYRINTH SEALS
       O RING SEALS
       PUMP SEALS

GASOHOL (FUEL)
  2701
  GS   FUELS
       .CHEMICAL FUELS
       ..SYNTHETIC FUELS
       ..#GASOHOL (FUEL)
  RT   ALCOHOLS
       GASOLINE

GASOLINE
  1808 2701
  GS   FUELS
       .CHEMICAL FUELS
       ..HYDROCARBON FUELS
       ..#GASOLINE
       ..LIQUID FUELS
       ..#GASOLINE
       PRODUCTS
       .PETROLEUM PRODUCTS
       .#GASOLINE
  RT   ANTIKNOCK ADDITIVES
       AUTOMOBILE FUELS
       DIESEL FUELS
       GASOHOL (FUEL)
       JET ENGINE FUELS
       KEROGEN
       KEROSENE
       OCTANE NUMBER
       SHALE OIL
       SOLVENT REFINED COAL

GASP
  USE  GLOBAL AIR SAMPLING PROGRAM

GASTROINTESTINAL SYSTEM
  0401 0404 0405 0408
  GS   ANATOMY
       .DIGESTIVE SYSTEM
       .#GASTROINTESTINAL SYSTEM
       ...APPENDIX (ANATOMY)
       ...INTESTINES
       ....RECTUM
       ...STOMACH
  RT   ABDOMEN
       COLIC
       GALL
       GLANDS (ANATOMY)
       LIVER
       ORGANS
       PANCREAS
     % SYSTEMS

GATE (EXPERIMENT)
  USE  GARP ATLANTIC TROPICAL EXPERIMENT

% GATES
```

```
  0903 1001 1002 1201 1501 1504 3301
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   CLOSURES
       GATES (CIRCUITS)
       GATES (OPENINGS)

GATES (CIRCUITS)
  0903 1001 1002
  UF   OR-GATES
  GS   CIRCUITS
       #GATES (CIRCUITS)
       ..THRESHOLD GATES
  RT   COINCIDENCE CIRCUITS
     % GATES
       LOGIC CIRCUITS
       LOGICAL ELEMENTS
       SWITCHING CIRCUITS
       THRESHOLD LOGIC
       TRIGGER CIRCUITS

GATES (OPENINGS)
  1504 3404
  RT   APERTURES
     % BARRIERS
       CANALS
       DOORS
       FENCES (BARRIERS)
     % GATES
       HATCHES
       HYDRAULIC EQUIPMENT
       OPENINGS
       OUTLETS
       SAFETY DEVICES
       VENTS
       WALLS

GAUGE INVARIANCE
  1406 1902 2311 2903
  GS   INVARIANCE
       #GAUGE INVARIANCE
  RT   ELECTROMAGNETIC RADIATION
       SUPERGRAVITY
       TRANSFORMATIONS (MATHEMATICS)

GAUGE THEORY
  1307
  RT   GRAVITATION THEORY
       STRING THEORY
       SUPERGRAVITY
       SUPERSYMMETRY
     % THEORIES
       YANG-MILLS FIELDS
       YANG-MILLS THEORY

GAUSS EQUATION
  1902 1905 2402
  UF   GAUSS FUNCTION
  GS   ANALYSIS (MATHEMATICS)
       .REAL VARIABLES
       ..DIFFERENTIAL EQUATIONS
       ...PARTIAL DIFFERENTIAL EQUATIONS
       ...#GAUSS EQUATION
  RT % EQUATIONS
       MAXWELL EQUATION

GAUSS FUNCTION
  USE  GAUSS EQUATION

GAUSS-MARKOV THEOREM
  1902 1905
  GS   THEOREMS
       #GAUSS-MARKOV THEOREM
  RT   LEAST SQUARES METHOD
       STATISTICAL ANALYSIS
       VARIANCE (STATISTICS)

GAUSSIAN DISTRIBUTIONS
  USE  NORMAL DENSITY FUNCTIONS

GAUSSIAN ELIMINATION
  1902 1905 2402
  RT   ELIMINATION
       LINEAR EQUATIONS
       MATRICES (MATHEMATICS)
       SUBTRACTION

GAUSSIAN NOISE
  USE  RANDOM NOISE

GAUSSMETERS
  USE  MAGNETOMETERS

GAUZE
  0401 0405 0412 0508 1811
  GS   FABRICS
       #GAUZE
  RT   CASTS

GAW-1 AIRFOIL
  0102
  UF   GENERAL AVIATION WHITCOMB AIRFOIL
  GS   AIRFOILS
       .WINGS
       .#GAW-1 AIRFOIL
  RT   ATLIT PROJECT
       PA-34 SENECA AIRCRAFT
       WING PROFILES

GAW-2 AIRFOIL
  0102
  UF   GENERAL AVIATION WHITCOMB AIRFOIL
  GS   AIRFOILS
       .WINGS
       .#GAW-2 AIRFOIL
  RT   BODY-WING CONFIGURATIONS
       FLAPS (CONTROL SURFACES)
       GENERAL AVIATION AIRCRAFT
       WING PROFILES

GC-130 AIRCRAFT
  USE  C-130 AIRCRAFT

GCR (REACTORS)
  USE  GAS COOLED REACTORS

GDOP
  USE  GEOMETRIC DILUTION OF PRECISION

GE COMPUTERS
  0801 0801
  UF   GENERAL ELECTRIC COMPUTERS
  GS   DATA PROCESSING EQUIPMENT
       .COMPUTERS
       ..DIGITAL COMPUTERS
       ..#GE COMPUTERS
       ....GE 625 COMPUTER
       ....GE 635 COMPUTER

GE 625 COMPUTER
  0801
  GS   DATA PROCESSING EQUIPMENT
       .COMPUTERS
       ..DIGITAL COMPUTERS
       ...GE COMPUTERS
       ...#GE 625 COMPUTER

GE 635 COMPUTER
  0801
  GS   DATA PROCESSING EQUIPMENT
       .COMPUTERS
       ..DIGITAL COMPUTERS
       ...GE COMPUTERS
       ...#GE 635 COMPUTER

% GEAR
  1504
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   ARRESTING GEAR
       GEARS
       LANDING GEAR
       MECHANICAL DRIVES
```

GEAR TEETH
1503 1504 1704
RT GEARS
MECHANICAL DRIVES

GEARS
1504
GS #GEARS
.RACKS (GEARS)
RT COUNTER-ROTATING WHEELS
% GEAR
GEAR TEETH
IDLERS
LUBRICATION
MECHANICAL DRIVES
TRANSMISSIONS (MACHINE ELEMENTS)
WHEELS
WINDMILLS (WINDPOWERED MACHINES)

GEGENSCHEIN
1301 1401 1407 2306 2310 2903
GS ELECTROMAGNETIC RADIATION
.LIGHT (VISIBLE RADIATION)
.#GEGENSCHEIN
EXTRATERRESTRIAL RADIATION
#GEGENSCHEIN
RT NIGHT SKY
POLARIZED LIGHT
SKY BRIGHTNESS
SOLAR RADIATION
TERRESTRIAL DUST BELT
ZODIACAL LIGHT

GEHLENITE
1806
UF VELARDENITE
GS ALUMINUM COMPOUNDS
.ALUMINUM SILICATES
.#GEHLENITE
CALCIUM COMPOUNDS
.CALCIUM SILICATES
.#GEHLENITE
MINERALS
#GEHLENITE
SILICON COMPOUNDS
.SILICATES
..ALUMINUM SILICATES
..#GEHLENITE
..CALCIUM SILICATES
..#GEHLENITE
RT ALUMINUM OXIDES

GEIGER COUNTERS
1406 2405 2903
UF GEIGER-MUELLER TUBES
GS IONIZATION CHAMBERS
#GEIGER COUNTERS
MEASURING INSTRUMENTS
.COUNTERS
..RADIATION COUNTERS
..#GEIGER COUNTERS
.RADIATION MEASURING INSTRUMENTS
..RADIATION COUNTERS
..#GEIGER COUNTERS
RT DOSIMETERS
NEUTRON COUNTERS
OVERVOLTAGE
PARTICLE TELESCOPES
PROPORTIONAL COUNTERS
RADIATION DETECTORS

GEIGER-MUELLER TUBES
USE GEIGER COUNTERS

GEL PERMEATION CHROMATOGRAPHY
USE LIQUID CHROMATOGRAPHY

GELATINS
0404 1802 1808 1810
RT COLLAGENS
% FOOD
GELS
NONNEWTONIAN FLUIDS

GELATION
0602 2311 3304
RT COAGULATION
COLLOIDING
GELS
SOLIDIFICATION
THIXOTROPY

GELLED PROPELLANTS
2702
GS PROPELLANTS
#GELLED PROPELLANTS
..GELLED ROCKET PROPELLANTS
RT CHEMICAL FUELS
COLLOIDAL PROPELLANTS
HIGH TEMPERATURE PROPELLANTS
HYDROGEN FUELS
METAL FUELS
METAL PROPELLANTS
PLASTIC PROPELLANTS
PROPELLANT ADDITIVES
SOLID PROPELLANTS

GELLED ROCKET PROPELLANTS
2702
UF THIXOTROPIC PROPELLANTS
GS PROPELLANTS
.GELLED PROPELLANTS
.#GELLED ROCKET PROPELLANTS
.ROCKET PROPELLANTS
..LIQUID ROCKET PROPELLANTS
..#GELLED ROCKET PROPELLANTS
RT CHEMICAL FUELS
CRYOGENIC ROCKET PROPELLANTS
GELS
HIGH TEMPERATURE PROPELLANTS
HYBRID PROPELLANTS
HYPERGOLIC ROCKET PROPELLANTS
METAL PROPELLANTS
MONOPROPELLANTS
SLURRY PROPELLANTS
SOLID ROCKET PROPELLANTS
STORABLE PROPELLANTS

GELS
0602 1801 1804 1808 3302
GS #GELS
.DOUBLE BASE ROCKET PROPELLANTS
.SILICA GEL
RT AEROGELS
COLLOIDS
DOPES
GELATINS
GELATION
GELLED ROCKET PROPELLANTS
NONNEWTONIAN FLUIDS
SLURRIES
THICKENERS (MATERIALS)
THIXOTROPY

GEMINI (GT-1) SPACECRAFT
3104
GS MANNED SPACECRAFT
.GEMINI SPACECRAFT
.#GEMINI (GT-1) SPACECRAFT
REENTRY VEHICLES
.RECOVERABLE SPACECRAFT
..GEMINI SPACECRAFT
..#GEMINI (GT-1) SPACECRAFT
SOFT LANDING SPACECRAFT
.GEMINI SPACECRAFT
.#GEMINI (GT-1) SPACECRAFT
RT MANNED SPACE FLIGHT

GEMINI B SPACECRAFT
3104 3107
GS MANNED SPACECRAFT
#GEMINI B SPACECRAFT
REENTRY VEHICLES
.RECOVERABLE SPACECRAFT

```
      .#GEMINI B SPACECRAFT
      SOFT LANDING SPACECRAFT
      #GEMINI B SPACECRAFT
  RT  MANNED SPACE FLIGHT

GEMINI FLIGHTS
  3104 3107
  GS  SPACE FLIGHT
      .MANNED SPACE FLIGHT
      .#GEMINI FLIGHTS
      ...GEMINI 3 FLIGHT
      ...GEMINI 4 FLIGHT
      ...GEMINI 5 FLIGHT
      ...GEMINI 6 FLIGHT
      ...GEMINI 7 FLIGHT
      ...GEMINI 8 FLIGHT
      ...GEMINI 9 FLIGHT
      ...GEMINI 10 FLIGHT
      ...GEMINI 11 FLIGHT
      ...GEMINI 12 FLIGHT

GEMINI PROJECT
  3104 3107
  GS  PROGRAMS
      .NASA PROGRAMS
      ..NASA SPACE PROGRAMS
      ..#GEMINI PROJECT
      .PROJECTS
      .#GEMINI PROJECT
      .SPACE PROGRAMS
      ..NASA SPACE PROGRAMS
      ..#GEMINI PROJECT
  RT  AGENA B ROCKET VEHICLE
      AGENA ROCKET VEHICLES
      ATLAS LAUNCH VEHICLES
      INTEGRATED MISSION CONTROL CENTER
      MERCURY PROJECT
      TITAN PROJECT

GEMINI SPACECRAFT
  3104 3107
  GS  MANNED SPACECRAFT
      #GEMINI SPACECRAFT
      ..GEMINI (GT-1) SPACECRAFT
      ..GEMINI 2 SPACECRAFT
      REENTRY VEHICLES
      .RECOVERABLE SPACECRAFT
      .#GEMINI SPACECRAFT
      ...GEMINI (GT-1) SPACECRAFT
      ...GEMINI 2 SPACECRAFT
      SOFT LANDING SPACECRAFT
      #GEMINI SPACECRAFT
      ..GEMINI (GT-1) SPACECRAFT
      ..GEMINI 2 SPACECRAFT
  RT  MANNED SPACE FLIGHT
      SPACE CAPSULES
      TITAN PROJECT

GEMINI 2 SPACECRAFT
  3104
  GS  MANNED SPACECRAFT
      .GEMINI SPACECRAFT
      .#GEMINI 2 SPACECRAFT
      REENTRY VEHICLES
      .RECOVERABLE SPACECRAFT
      ..GEMINI SPACECRAFT
      ..#GEMINI 2 SPACECRAFT
      SOFT LANDING SPACECRAFT
      .GEMINI SPACECRAFT
      .#GEMINI 2 SPACECRAFT
  RT  MANNED SPACE FLIGHT

GEMINI 3 FLIGHT
  3104
  GS  SPACE FLIGHT
      .MANNED SPACE FLIGHT
      ..GEMINI FLIGHTS
      ..#GEMINI 3 FLIGHT
  RT  TITAN LAUNCH VEHICLES

GEMINI 4 FLIGHT
  3104 3107
  GS  SPACE FLIGHT
      .MANNED SPACE FLIGHT
      ..GEMINI FLIGHTS
      ..#GEMINI 4 FLIGHT

GEMINI 5 FLIGHT
  3104 3107
  GS  SPACE FLIGHT
      .MANNED SPACE FLIGHT
      ..GEMINI FLIGHTS
      ..#GEMINI 5 FLIGHT

GEMINI 6 FLIGHT
  3104 3107
  GS  SPACE FLIGHT
      .MANNED SPACE FLIGHT
      ..GEMINI FLIGHTS
      ..#GEMINI 6 FLIGHT

GEMINI 7 FLIGHT
  3104
  GS  SPACE FLIGHT
      .MANNED SPACE FLIGHT
      ..GEMINI FLIGHTS
      ..#GEMINI 7 FLIGHT
  RT  TITAN LAUNCH VEHICLES

GEMINI 8 FLIGHT
  3104
  GS  SPACE FLIGHT
      .MANNED SPACE FLIGHT
      ..GEMINI FLIGHTS
      ..#GEMINI 8 FLIGHT
  RT  TITAN LAUNCH VEHICLES

GEMINI 9 FLIGHT
  3104
  GS  SPACE FLIGHT
      .MANNED SPACE FLIGHT
      ..GEMINI FLIGHTS
      ..#GEMINI 9 FLIGHT
  RT  TITAN LAUNCH VEHICLES

GEMINI 10 FLIGHT
  3104
  GS  SPACE FLIGHT
      .MANNED SPACE FLIGHT
      ..GEMINI FLIGHTS
      ..#GEMINI 10 FLIGHT
  RT  TITAN LAUNCH VEHICLES

GEMINI 11 FLIGHT
  3104
  GS  SPACE FLIGHT
      .MANNED SPACE FLIGHT
      ..GEMINI FLIGHTS
      ..#GEMINI 11 FLIGHT
  RT  TITAN LAUNCH VEHICLES

GEMINI 12 FLIGHT
  3104
  GS  SPACE FLIGHT
      .MANNED SPACE FLIGHT
      ..GEMINI FLIGHTS
      ..#GEMINI 12 FLIGHT
  RT  TITAN LAUNCH VEHICLES

GEMINID METEOROIDS
  3005
  GS  CELESTIAL BODIES
      .METEOROID SHOWERS
      .#GEMINID METEOROIDS
      .METEOROIDS
      .#GEMINID METEOROIDS

GENE EXPRESSION
  0403 0411
  UF  GENE REGULATION
  RT  BIOLOGICAL EVOLUTION
      CHROMOSOMES
      DEOXYRIBONUCLEIC ACID
      EVOLUTION (DEVELOPMENT)
      GENES
```

GENETICS
MOLECULAR BIOLOGY
RIBONUCLEIC ACIDS

GENE REGULATION
USE GENE EXPRESSION

GENERAL AVIATION AIRCRAFT
0204
UF EXECUTIVE AIRCRAFT
PRIVATE AIRCRAFT
GS #GENERAL AVIATION AIRCRAFT
.AGRICULTURAL AIRCRAFT
.BEECHCRAFT 18 AIRCRAFT
.C-33 AIRCRAFT
.C-35 AIRCRAFT
.CESSNA 172 AIRCRAFT
.CESSNA 205 AIRCRAFT
.CESSNA 210 AIRCRAFT
.CESSNA 402B AIRCRAFT
.CL-600 CHALLENGER AIRCRAFT
.DH 125 AIRCRAFT
.DHC 2 AIRCRAFT
.DO-27 AIRCRAFT
.DO-28 AIRCRAFT
.G-1 AIRCRAFT
.HC-3 HELICOPTER
.YAK 40 AIRCRAFT
RT % AERONAUTICS
AIR TRANSPORTATION
% AIRCRAFT
CIVIL AVIATION
COMMERCIAL AIRCRAFT
COMMUTER AIRCRAFT
GAW-2 AIRFOIL
HELICOPTERS
JET AIRCRAFT
LIGHT AIRCRAFT
% LOW WING AIRCRAFT
PASSENGER AIRCRAFT
PIPER AIRCRAFT
SINGLE ENGINE AIRCRAFT
% SUBSONIC AIRCRAFT
TRAINING AIRCRAFT
TRANSPORT AIRCRAFT
TURBOPROP AIRCRAFT
UTILITY AIRCRAFT

GENERAL AVIATION WHITCOMB AIRFOIL
USE GAW-1 AIRFOIL
GAW-2 AIRFOIL

GENERAL CIRCULATION MODELS (ATMOSPHERIC)
USE ATMOSPHERIC GENERAL CIRCULATION MODELS

GENERAL DYNAMICS AIRCRAFT
0207
UF CONVAIR MILITARY AIRCRAFT
GS #GENERAL DYNAMICS AIRCRAFT
.B-58 AIRCRAFT
.C-131 AIRCRAFT
.CL-41 AIRCRAFT
.CL-44 AIRCRAFT
.CL-84 AIRCRAFT
.CV-340 AIRCRAFT
.CV-440 AIRCRAFT
.CV-880 AIRCRAFT
.CV-990 AIRCRAFT
.F-102 AIRCRAFT
.F-106 AIRCRAFT
.F-111 AIRCRAFT
RT % AIRCRAFT
CANADAIR AIRCRAFT
PA-34 SENECA AIRCRAFT

GENERAL ELECTRIC COMPUTERS
USE GE COMPUTERS

GENERAL OVERVIEWS
1905 3405 3406
RT BIBLIOGRAPHIES
RECOMMENDATIONS
SURVEYS
TECHNOLOGY UTILIZATION

GENERALIZATION (PSYCHOLOGY)
3406 3407
RT TRANSFER OF TRAINING

% GENERATION
0404 3403 3407
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT COGENERATION
HEAT GENERATION
INITIATION
REGENERATION (ENGINEERING)

% GENERATORS
0301 0302 1504
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT AC GENERATORS
ARC GENERATORS
BOILERS
CAVITY VAPOR GENERATORS
COLLOIDAL GENERATORS
DC GENERATORS
DECOMMUTATORS
DIRECT POWER GENERATORS
DUOCHROMATORS
ELECTRIC GENERATORS
ELECTROSTATIC GENERATORS
ENERGY CONVERSION EFFICIENCY
FUNCTION GENERATORS
GAS GENERATORS
HALL GENERATORS
HARMONIC GENERATORS
HOMOPOLAR GENERATORS
IMPULSE GENERATORS
LINEAR ALTERNATORS
MAGNETOHYDRODYNAMIC GENERATORS
MOTORS
NOISE GENERATORS
PHOTOELECTRIC GENERATORS
PLASMA GENERATORS
PULSE GENERATORS
RADIATION SOURCES
REPORT GENERATORS
ROTATING GENERATORS
SHOCK WAVE GENERATORS
SIGNAL GENERATORS
SOLAR SEA POWER PLANTS
SOUND GENERATORS
STATORS
STIMULATED EMISSION DEVICES
SUBHARMONIC GENERATORS
TEST PATTERN GENERATORS
THERMOELECTRIC GENERATORS
TIDE POWERED GENERATORS
TURBOGENERATORS
VAPORIZERS
VOLTAGE GENERATORS
VORTEX GENERATORS
WAVE GENERATION
WINDPOWERED GENERATORS

GENES
0403 0411
RT CHROMOSOMES
DEOXYRIBONUCLEIC ACID
GENE EXPRESSION
GENETIC CODE
GENETIC ENGINEERING
GENETICS
MOLECULAR BIOLOGY
MUTATIONS
RIBONUCLEIC ACIDS

GENETIC ALGORITHMS
0403 0802 1902
GS MATHEMATICAL LOGIC

```
        .ALGORITHMS
        .#GENETIC ALGORITHMS
        OPTIMIZATION
        #GENETIC ALGORITHMS
  RT    CONTROL SYSTEMS DESIGN
        NEURAL NETS
        OPTIMAL CONTROL
        PARAMETER IDENTIFICATION
        TRAJECTORY OPTIMIZATION

GENETIC CODE
  0404 0411 1808
  RT    CHROMOSOMES
        GENES
        GENETICS

GENETIC ENGINEERING
  0403
  UF    HYBRIDS (BIOLOGY)
  RT    BIOCHEMISTRY
        BIOENGINEERING
      % BIOLOGY
        BIOSYNTHESIS
        GENES
        GENETICS

GENETICS
  0403 0404 0411
  RT    BIOLOGICAL EVOLUTION
      % BIOLOGY
        BREEDING (REPRODUCTION)
        CHROMOSOMES
        CONGENITAL ANOMALIES
        CYTOGENESIS
        DOMINANCE
        EVOLUTION (DEVELOPMENT)
        GENE EXPRESSION
        GENES
        GENETIC CODE
        GENETIC ENGINEERING
        MUTAGENS
        MUTATIONS
        NEUROSPORA
        NUCLEI (CYTOLOGY)
        NUCLEOGENESIS
        SPECIES DIFFUSION

GENIE ROCKET VEHICLE
  3106 3401
  UF    MB-1 ROCKET VEHICLE
  GS    ROCKET VEHICLES
        .SINGLE STAGE ROCKET VEHICLES
        .#GENIE ROCKET VEHICLE
  RT    ASTROBEE ROCKET VEHICLES
        SOLID PROPELLANT ROCKET ENGINES

GENITOURINARY SYSTEM
  0401 0404 0405
  GS    ANATOMY
        #GENITOURINARY SYSTEM
        ..BLADDER
        ..KIDNEYS
        ...GLOMERULUS
        ..REPRODUCTIVE SYSTEMS
        ...SEX GLANDS
        ....GONADS
        .....OVARIES
        .....TESTES
        ....PROSTATE GLAND
        ...UTERUS
  RT    GYNECOLOGY
        ORGANS
      % SYSTEMS
        UROLOGY

GEO ENVIRONMENTS
  USE   EARTH ORBITAL ENVIRONMENTS

GEOASTROPHYSICS
  USE   ASTROPHYSICS

GEOBOTANY
  0404 0409 1306
  GS    BOTANY
        #GEOBOTANY
  RT    BIOGEOCHEMISTRY
        PLANTS (BOTANY)
        RAIN FORESTS
        TREES (PLANTS)

GEOCENTRIC COORDINATES
  1303 1304 1305 1307 2808
  GS    COORDINATES
        .PLANETOCENTRIC COORDINATES
        .#GEOCENTRIC COORDINATES
  RT    ASTRONOMICAL COORDINATES
        CELESTIAL REFERENCE SYSTEMS
        INERTIAL COORDINATES
        PLANET EPHEMERIDES
        SPHERICAL COORDINATES

GEOCHEMISTRY
  0601 1306 1308
  GS    ENVIRONMENTAL CHEMISTRY
        #GEOCHEMISTRY
        ..BIOGEOCHEMISTRY
  RT    ABUNDANCE
      % CHEMISTRY
        COSMOCHEMISTRY
        EARTH SCIENCES
        GEOCHRONOLOGY
        GEOLOGY
        GEOPHYSICS
        HYDROLOGY
        LIMNOLOGY
        MARINE CHEMISTRY
        MINERALOGY
        PALEOBIOLOGY
        PALEONTOLOGY
        PETROLOGY
        RADIOACTIVITY

GEOCHRONOLOGY
  1308 2406 1306
  GS    CHRONOLOGY
        #GEOCHRONOLOGY
        GEOLOGY
        #GEOCHRONOLOGY
  RT    CAMBRIAN PERIOD
        CENOZOIC ERA
        CRETACEOUS PERIOD
        CRETACEOUS-TERTIARY BOUNDARY
        DENDROCHRONOLOGY
        GEOCHEMISTRY
        GEOPHYSICS
        MESOZOIC ERA
        PALEOBIOLOGY
        PALEONTOLOGY
        PALEOZOIC ERA
        PARTICLE TRACKS
        RADIOACTIVE AGE DETERMINATION
        STRATIGRAPHY
        TERTIARY PERIOD

GEOCORONAL EMISSIONS
  1302 1807 2003 3009
  GS    ATMOSPHERIC RADIATION
        .SKY RADIATION
        ..AIRGLOW
        ..#GEOCORONAL EMISSIONS
        ELECTROMAGNETIC RADIATION
        .LIGHT (VISIBLE RADIATION)
        ..SKY RADIATION
        ...AIRGLOW
        ...#GEOCORONAL EMISSIONS

GEOCYCLOTRONS
  2311 2403 3404
  GS    PARTICLE ACCELERATORS
        .CYCLOTRONS
        .#GEOCYCLOTRONS
  RT  % ACCELERATORS
        ELEMENTARY PARTICLES

GEODESIC LINES
```

1902
GS GEOMETRY
.EUCLIDEAN GEOMETRY
..LINES (GEOMETRY)
..#GEODESIC LINES
RT CHORDS (GEOMETRY)
CURVES (GEOMETRY)

GEODESY
1304 3009
UF EARTH FIGURE
EARTH SHAPE
IZSAK ELLIPSOID
GS #GEODESY
.CELESTIAL GEODESY
RT ALTIMETRY
EARTH (PLANET)
EARTH AXIS
GEODETIC ACCURACY
GEODETIC SURVEYS
GEOIDS
GEOLOGY
GEOPHYSICS
GRAVIMETERS
LUNAR RETROREFLECTORS
OBLATE SPHEROIDS
OGO-4
OGO-5
PERTURBATION
PHOTOMAPPING
POLAR WANDERING (GEOLOGY)
SATELLITE ALTIMETRY
SATELLITE DOPPLER POSITIONING
TOPOGRAPHY
VINTI THEORY

GEODETIC ACCURACY
1304
GS ACCURACY
#GEODETIC ACCURACY
RT EARTH SURFACE
GEODESY
GEOIDS
GEOPOTENTIAL HEIGHT
SATELLITE DOPPLER POSITIONING

GEODETIC COORDINATES
1303 1304
GS COORDINATES
#GEODETIC COORDINATES
RT INTERNATIONAL SATELLITE GEODESY
EXPERIMENT
LATITUDE
LONGITUDE
SATELLITE DOPPLER POSITIONING

GEODETIC SATELLITES
1303 1304 3107
GS ARTIFICIAL SATELLITES
#GEODETIC SATELLITES
..ANNA SATELLITES
..EXPLORER 29 SATELLITE
..EXPLORER 36 SATELLITE
..GEOLE SATELLITES
..GEOS 1 SATELLITE
..GEOS 2 SATELLITE
..GEOS 3 SATELLITE
..GEOSAT SATELLITES
..LARGOS SATELLITE
..PAGEOS SATELLITE
..VANGUARD 1 SATELLITE
RT ACTIVE SATELLITES
CELESTIAL GEODESY
NAVIGATION SATELLITES
NAVSTAR SATELLITES
PASSIVE SATELLITES
SATELLITE ALTIMETRY
SATELLITE DOPPLER POSITIONING
VANGUARD SATELLITES

GEODETIC SURVEYS
1303 1304 1406
GS SURVEYS
#GEODETIC SURVEYS
RT GEODESY
GEOLOGICAL SURVEYS
PHOENIX QUADRANGLE (AZ)
SATELLITE DOPPLER POSITIONING
TOPOGRAPHY

GEODIMETERS
1303 1304 1406
GS MEASURING INSTRUMENTS
.DISTANCE MEASURING EQUIPMENT
.#GEODIMETERS
.OPTICAL MEASURING INSTRUMENTS
.#GEODIMETERS
OPTICAL EQUIPMENT
.OPTICAL MEASURING INSTRUMENTS
.#GEODIMETERS
RT OPTICAL MEASUREMENT
RANGE FINDERS
TELLUROMETERS

GEODYNAMIC EXPERIMENTAL OCEAN SATELLITE
USE GEOS-D SATELLITE

GEODYNAMICS
1305 3009
UF CRUSTAL DYNAMICS
RT CHANDLER WOBBLE
CRUSTAL FRACTURES
% DYNAMICS
EARTH MOVEMENTS
EARTH SCIENCES
GEOMORPHOLOGY
GEOPHYSICS
PLANETARY QUAKES
SHOCK WAVES
TERRADYNAMICS

GEOELECTRICITY
1307 1308 1309 2304 2307
GS ELECTRICITY
#GEOELECTRICITY
..TELLURIC CURRENTS
RT EARTH (PLANET)
FIELD ALIGNED CURRENTS
GEOPHYSICS
GEOPOTENTIAL

GEOFABRICS
USE GEOTECHNICAL FABRICS

GEOFRACTURES
USE GEOLOGICAL FAULTS

GEOGRAPHIC APPLICATIONS PROGRAM
1303 1304 1305 1308 1410 3409
GS PROGRAMS
.SPACE PROGRAMS
.#GEOGRAPHIC APPLICATIONS PROGRAM
RT EARTH RESOURCES
EARTH RESOURCES PROGRAM
GEOGRAPHY
MAPPING
NASA PROGRAMS
REMOTE SENSORS
SATELLITE-BORNE PHOTOGRAPHY
SOIL MAPPING
TERRAIN ANALYSIS

GEOGRAPHIC INFORMATION SYSTEMS
0703
GS INFORMATION SYSTEMS
#GEOGRAPHIC INFORMATION SYSTEMS
RT AERIAL PHOTOGRAPHY
DATA SYSTEMS
GEOGRAPHY
IMAGERY
INFRARED PHOTOGRAPHY
REMOTE SENSING

GEOGRAPHY
1303 1304 1305

GS #GEOGRAPHY
.HYPSOGRAPHY
.OROGRAPHY
RT ARCTIC REGIONS
CADASTRAL MAPPING
CLIMATOLOGY
CONTINENTS
EARTH (PLANET)
EASTERN HEMISPHERE
ECONOMIC DEVELOPMENT
ESTUARIES
GEOGRAPHIC APPLICATIONS PROGRAM
GEOGRAPHIC INFORMATION SYSTEMS
GEOMORPHOLOGY
HEAT CAPACITY MAPPING MISSION
MAPPING
MAPS
OCEANOGRAPHY
OCEANS
PLAINS
POLAR REGIONS
SELENOGRAPHY
TEMPERATE REGIONS
TROPICAL REGIONS
TUNDRA
WESTERN HEMISPHERE

GEOIDS
1304 1307
RT ALTIMETRY
GEODESY
GEODETIC ACCURACY
GEOMETRY
GEOPHYSICS
OBLATE SPHEROIDS
SATELLITE ALTIMETRY
SHAPES
SPHEROIDS
SYMMETRICAL BODIES

GEOLE SATELLITES
2003 2004 3107
GS ARTIFICIAL SATELLITES
.FRENCH SATELLITES
.#GEOLE SATELLITES
.GEODETIC SATELLITES
.#GEOLE SATELLITES
.METEOROLOGICAL SATELLITES
.#GEOLE SATELLITES
RT EOLE SATELLITES
FRENCH SPACE PROGRAM

GEOLOGICAL FAULTS
1306
UF CLOSED FAULTS
CROSS FAULTS
ECHELON FAULTS
GEOFRACTURES
GRABENS
RIFTS
SPLITS (GEOLOGY)
STEP FAULTS
THRUST FAULTS
GS #GEOLOGICAL FAULTS
.AFRICAN RIFT SYSTEM
.SAN ANDREAS FAULT
RT CREVASSES
CRUSTAL FRACTURES
EARTHQUAKE DAMAGE
EARTHQUAKES
% FAULTS
FISSURES (GEOLOGY)
FOLDS (GEOLOGY)
FORMATIONS
INLIERS (LANDFORMS)
LANDFORMS
MASSIFS
MID-OCEAN RIDGES
PLATES (TECTONICS)
ROUSE BELTS
SAN ANDREAS FAULT EXPERIMENT
SYNCLINES

GEOLOGICAL SURVEYS
1306 1307 1406 1407
GS SURVEYS
#GEOLOGICAL SURVEYS
RT EXPLORATION
GEODETIC SURVEYS
GEOLOGY
GEOPHYSICS
PALEONTOLOGY
PETROLOGY
PHOTOGEOLOGY
RADAR GEOLOGY

GEOLOGY
1306
GS #GEOLOGY
.CONES (VOLCANOES)
.CROSSBEDDING (GEOLOGY)
.GEOCHRONOLOGY
.GEOMORPHOLOGY
.GLACIOLOGY
.HYDROGEOLOGY
.KETTLES (GEOLOGY)
.LITHOLOGY
.LUNAR GEOLOGY
.OROGRAPHY
.PETROLOGY
..PETROGRAPHY
.PHOTOGEOLOGY
.RADAR GEOLOGY
.STRUCTURAL PROPERTIES (GEOLOGY)
.SUBDUCTION (GEOLOGY)
.TECTONICS
.VOLCANOES
..MARS VOLCANOES
.VOLCANOLOGY
RT BEDROCK
BEDS (GEOLOGY)
BOREHOLES
BRIDGES (LANDFORMS)
CANADIAN SHIELD
CONTACTS (GEOLOGY)
CONTINENTAL SHELVES
DOMES (GEOLOGY)
EARTH (PLANET)
EARTH PLANETARY STRUCTURE
EARTH SCIENCES
EXPLOITATION
EXPLORATION
FIORDS
FORMATIONS
GAPS (GEOLOGY)
GEOCHEMISTRY
GEODESY
GEOLOGICAL SURVEYS
GEOPHYSICAL OBSERVATORIES
GEOPHYSICS
GEOPRESSURE
GEOTEMPERATURE
GRAVIMETRY
GREAT BASIN (US)
INLIERS (LANDFORMS)
ISTHMUSES
KREEP
MASSIFS
METEOROLOGY
MINERAL DEPOSITS
MINERALOGY
MINERALS
MORPHOLOGY
OCEAN BOTTOM
OCEANOGRAPHY
OIL EXPLORATION
OUTCROPS
PALEOMAGNETISM
PALEONTOLOGY
PHOTOMAPPING
% PHYSICAL SCIENCES
PRECAMBRIAN PERIOD
REGOLITH
ROCK MECHANICS
ROCKS

% SCIENCE
SEISMOLOGY
SHATTER CONES
SOILS
STRATIGRAPHY
STRUCTURAL BASINS

GEOMAGNETIC ANOMALIES
USE MAGNETIC ANOMALIES

GEOMAGNETIC CROTCHETS
USE SUDDEN IONOSPHERIC DISTURBANCES

GEOMAGNETIC EFFECTS
USE MAGNETIC EFFECTS

GEOMAGNETIC EQUATOR
USE MAGNETIC EQUATOR

GEOMAGNETIC FIELD
USE GEOMAGNETISM

GEOMAGNETIC HOLLOW
1307 2307 2502 3009
GS ANOMALIES
.MAGNETIC ANOMALIES
.#GEOMAGNETIC HOLLOW
RT EARTH MAGNETOSPHERE
MAGNETOHYDRODYNAMIC FLOW
PLASMA CLOUDS

GEOMAGNETIC LATITUDE
1303 1305 1307 2307
GS LATITUDE
#GEOMAGNETIC LATITUDE
RT COORDINATES
GEOMAGNETISM
POLAR CUSPS

GEOMAGNETIC MICROPULSATIONS
1304 1307 2307
GS PULSES
.GEOMAGNETIC PULSATIONS
.#GEOMAGNETIC MICROPULSATIONS
.MICROPULSATIONS
.#GEOMAGNETIC MICROPULSATIONS
VARIATIONS
.MAGNETIC VARIATIONS
..GEOMAGNETIC PULSATIONS
..#GEOMAGNETIC MICROPULSATIONS
RT NOCTURNAL VARIATIONS
TELLURIC CURRENTS

GEOMAGNETIC PULSATIONS
1307 2307
GS PULSES
#GEOMAGNETIC PULSATIONS
..GEOMAGNETIC MICROPULSATIONS
VARIATIONS
.MAGNETIC VARIATIONS
.#GEOMAGNETIC PULSATIONS
...GEOMAGNETIC MICROPULSATIONS
RT GEOMAGNETISM
KP INDEX
MAGNETOSPHERIC INSTABILITY
NOCTURNAL VARIATIONS

GEOMAGNETIC STORMS
USE MAGNETIC STORMS

GEOMAGNETIC TAIL
1307 2307 3009
SN (RESTRICTED TO THE EARTH MAGNETOTAIL)
UF EARTH MAGNETOTAIL
GS ENVIRONMENTS
.EARTH MAGNETOSPHERE
.#GEOMAGNETIC TAIL
RT FIELD ALIGNED CURRENTS
GEOMAGNETISM
MAGNETIC FIELDS
% MAGNETOTAILS
PLANETARY MAGNETIC FIELDS
PLANETARY MAGNETOTAILS
POLAR CUSPS

GEOMAGNETICALLY TRAPPED PARTICLES
USE RADIATION BELTS

GEOMAGNETISM
1307 3009
UF GEOMAGNETIC FIELD
TERRESTRIAL MAGNETISM
GS MAGNETIC FIELDS
#GEOMAGNETISM
MAGNETIC PROPERTIES
#GEOMAGNETISM
RT AEROMAGNETISM
BARIUM ION CLOUDS
BIRKELAND CURRENTS
CONTINENTAL DRIFT
DYNAMO THEORY
EARTH (PLANET)
EARTH GRAVITATION
EARTH MAGNETOSPHERE
EARTH SCIENCES
ELECTROJETS
FIELD ALIGNED CURRENTS
FIELD THEORY (PHYSICS)
FLUX TRANSFER EVENTS
GEOMAGNETIC LATITUDE
GEOMAGNETIC PULSATIONS
GEOMAGNETIC TAIL
GEOPHYSICS
% INCLINATION
INTERNATIONAL MAGNETOSPHERIC STUDY
KP INDEX
M REGION
MAGNETIC ANOMALIES
MAGNETIC DISTURBANCES
MAGNETIC EFFECTS
MAGNETIC EQUATOR
MAGNETIC POLES
MAGNETIC SURVEYS
MAGNETOIONICS
MAGNETOMETERS
MAGNETOSHEATH
MAGSAT A SATELLITE
MAGSAT B SATELLITE
MAGSAT SATELLITES
MAGSAT 1 SATELLITE
PALEOMAGNETISM
PLANETARY MAGNETIC FIELDS
POLAR CUSPS
SPACE PLASMAS
VARIOMETERS

GEOMETRIC ACCURACY
3407
GS ACCURACY
#GEOMETRIC ACCURACY
RT DISTORTION
GEOMETRIC RECTIFICATION (IMAGERY)
IMAGE PROCESSING
IMAGE RESOLUTION

GEOMETRIC DILUTION OF PRECISION
1502
UF GDOP
GS DILUTION
#GEOMETRIC DILUTION OF PRECISION
RT PRECISION

GEOMETRIC RECTIFICATION (IMAGERY)
3407
GS IMAGE PROCESSING
#GEOMETRIC RECTIFICATION (IMAGERY)
RECTIFICATION
#GEOMETRIC RECTIFICATION (IMAGERY)
RT ATMOSPHERIC CORRECTION
GEOMETRIC ACCURACY
IMAGE ENHANCEMENT
IMAGERY

GEOMETRICAL ACOUSTICS

1202
UF RAY ACOUSTICS
GS ACOUSTICS
#GEOMETRICAL ACOUSTICS
RT GEOMETRICAL THEORY OF DIFFRACTION
GEOMETRY
WAVE PROPAGATION

GEOMETRICAL HYDROMAGNETICS
USE MAGNETOHYDRODYNAMICS

GEOMETRICAL OPTICS
2306 2310
UF RAY OPTICS
RT ACOUSTO-OPTICS
ASPHERICITY
ASTIGMATISM
CASSEGRAIN OPTICS
CRYSTAL OPTICS
DIFFRACTION PROPAGATION
EIKONAL EQUATION
FIBER OPTICS
FOCUSING
GEOMETRICAL THEORY OF DIFFRACTION
GRADIENT INDEX OPTICS
LIGHT (VISIBLE RADIATION)
LIGHT TRANSMISSION
NONLINEAR OPTICS
OPTICAL EQUIPMENT
OPTICAL MEASUREMENT
OPTICAL PATHS
OPTICAL PROPERTIES
OPTICAL REFLECTION
% OPTICS
PHYSICAL OPTICS
RAY TRACING
SNELLS LAW
UNDERWATER OPTICS
X RAY OPTICS

GEOMETRICAL THEORY OF DIFFRACTION
0710
RT DIFFRACTION
DIFFRACTION PATTERNS
GEOMETRICAL ACOUSTICS
GEOMETRICAL OPTICS
RAY TRACING
REFLECTANCE
% THEORIES
WAVE DIFFRACTION

GEOMETRODYNAMICS
USE RELATIVITY

GEOMETRY

1902
GS #GEOMETRY
.BOSE GEOMETRY
.COMPUTATIONAL GEOMETRY
.CRACK GEOMETRY
.CURVATURE
.CURVES (GEOMETRY)
..CATENARIES
..CYCLOIDS
..EPICYCLOIDS
..S CURVES
...GOMPERTZ CURVES
.CUSPS (MATHEMATICS)
..DOUBLE CUSPS
.DIFFERENTIAL GEOMETRY
..LIE GROUPS
...SPINOR GROUPS
..RIEMANN MANIFOLD
..TENSOR ANALYSIS
.DUCT GEOMETRY
.EUCLIDEAN GEOMETRY
..ANALYTIC GEOMETRY
...CATENARIES
...CIRCUMFERENCES
...CONICS
....ELLIPSES
....HYPERBOLAS
....PARABOLAS
...CYCLOIDS
...EPICYCLOIDS
...LOCI
...MERCATOR PROJECTION
...QUADRANTS
...S CURVES
....GOMPERTZ CURVES
...SPHEROIDS
....OBLATE SPHEROIDS
....PROLATE SPHEROIDS
...TANGENTS
...TORUSES
...TRIGONOMETRY
..ANGLES (GEOMETRY)
...ANGLE OF ATTACK
....ZERO ANGLE OF ATTACK
...BRAGG ANGLE
...BREWSTER ANGLE
...DIHEDRAL ANGLE
...ELEVATION ANGLE
...LOOK ANGLES (ELECTRONICS)
...LOOK ANGLES (TRACKING)
...SWEEP ANGLE
....SWEEPBACK
.....LEADING EDGE SWEEP
..CARTESIAN COORDINATES
..CIRCLES (GEOMETRY)
...GREAT CIRCLES
..DESCRIPTIVE GEOMETRY
..LINES (GEOMETRY)
...CHORDS (GEOMETRY)
...GEODESIC LINES
..POINTS (MATHEMATICS)
...FIXED POINTS (MATHEMATICS)
...INFLECTION POINTS
..POLYGONS
...HEXAGONS
...TETRAGONS
....PARALLELOGRAMS
.....RHOMBOIDS
....RECTANGLES
....SQUARES (MATHEMATICS)
....TRAPEZOIDS
...TRIANGLES
..POLYHEDRONS
...CUBES (MATHEMATICS)
...ICOSAHEDRONS
...OCTAHEDRONS
...PARALLELEPIPEDS
...PYRAMIDS
...RHOMBOHEDRONS
...TETRAHEDRONS
..PROJECTIVE GEOMETRY
...MERCATOR PROJECTION
..RADII
...LARMOR RADIUS
.FLOW GEOMETRY
.FRACTALS
.NOZZLE GEOMETRY
.SPECIMEN GEOMETRY
.TANK GEOMETRY
.TOPOLOGY
..FIXED POINTS (MATHEMATICS)
..HOMOTOPY THEORY
..IMBEDDINGS (MATHEMATICS)
...INVARIANT IMBEDDINGS
..LINKS (MATHEMATICS)
..METRIC SPACE
.VECTOR ANALYSIS
..COLLINEARITY
..COPLANARITY
..CURL (VECTORS)
...VORTICITY
RT ANALYSIS (MATHEMATICS)
AREA
BODIES OF REVOLUTION
COMPLEX NUMBERS
CONGRUENCES
COORDINATES
% CROSS SECTIONS
CRYSTAL LATTICES
DIAGRAMS

DIAMETERS
DIMENSIONS
DISTANCE
FOCI
FRUSTUMS
GEOIDS
GEOMETRICAL ACOUSTICS
HYPERGEOMETRIC FUNCTIONS
HYPERSPHERES
INFINITY
% MATHEMATICS
% MEASUREMENT
PLANFORMS
POINCARE SPHERES
POSITION (LOCATION)
% PROFILES
RECIPROCAL THEOREMS
% SCIENCE
SHAPES
SIDES
SPHERES
% SURFACE GEOMETRY
SURVEYS
SYMMETRY
TOROIDS
UNIQUENESS THEOREM
VENN DIAGRAMS
VOLUME

GEOMORPHOLOGY
1304 1306
UF PHYSIOGRAPHY
GS GEOLOGY
#GEOMORPHOLOGY
MORPHOLOGY
#GEOMORPHOLOGY
RT CONES (VOLCANOES)
CONTOURS
GEODYNAMICS
GEOGRAPHY
GLACIOLOGY
ISOSTASY
LUNAR GEOLOGY
MOUNTAINS
OROGRAPHY
PHOTOGEOLOGY
SHATTER CONES
SLUMPING
TERRAIN
TOPOGRAPHY
VOLCANOES
VOLCANOLOGY

GEON (TRADEMARK)
USE POLYVINYL CHLORIDE

GEOPHYSICAL FLUID FLOW CELLS
1201
GS PAYLOADS
.SPACELAB PAYLOADS
.#GEOPHYSICAL FLUID FLOW CELLS
RT AEROSPACE ENVIRONMENTS
% CELLS
CONVECTIVE FLOW
FLUID FLOW
GAS FLOW
INVESTIGATION
JUPITER ATMOSPHERE
SPACE TRANSPORTATION SYSTEM FLIGHTS
SPACEBORNE EXPERIMENTS
SPACELAB
% TEST EQUIPMENT

GEOPHYSICAL FLUIDS
1306
RT EARTH CORE
FLUID DYNAMICS
GEOTHERMAL RESOURCES
GEOTHERMAL TECHNOLOGY

GEOPHYSICAL OBSERVATORIES
1106 1308 2003 3107
GS OBSERVATORIES
#GEOPHYSICAL OBSERVATORIES
..OGO
...EGO
...OGO-A
...OGO-3
...OGO-5
...POGO
....OGO-C
....OGO-4
....OGO-6
..OSO
...OSO-C
...OSO-1
...OSO-2
...OSO-3
...OSO-4
...OSO-5
...OSO-6
...OSO-7
...OSO-8
RT ASTRONOMICAL OBSERVATORIES
GEOLOGY
GEOPHYSICS

GEOPHYSICAL SATELLITES
1308 2003 2004 3107
GS ARTIFICIAL SATELLITES
#GEOPHYSICAL SATELLITES
..COSMOS SATELLITES
...INTERCOSMOS SATELLITES
..EXPLORER 6 SATELLITE
..EXPLORER 10 SATELLITE
..EXPLORER 12 SATELLITE
..EXPLORER 45 SATELLITE
..OGO
...EGO
...OGO-A
...OGO-3
...OGO-5
...POGO
....OGO-C
....OGO-4
....OGO-6
..OSO
...OSO-C
...OSO-1
...OSO-2
...OSO-3
...OSO-4
...OSO-5
...OSO-6
...OSO-7
...OSO-8
..RADIATION AND METEOROID SATELLITE
..SPUTNIK 3 SATELLITE
..VANGUARD 3 SATELLITE
RT ARIEL SATELLITES
COMMUNICATION SATELLITES
EOLE SATELLITES
METEOROLOGICAL SATELLITES
PEOLE SATELLITES
SPACE LABORATORIES
UNMANNED SPACECRAFT
VANGUARD SATELLITES

GEOPHYSICS
1308 2003
RT AERONOMY
ASTROPHYSICS
CHANDLER WOBBLE
CONTINENTAL DRIFT
EARTH (PLANET)
EARTH PLANETARY STRUCTURE
EARTH SCIENCES
FIELD ALIGNED CURRENTS
FORMATIONS
GEOCHEMISTRY
GEOCHRONOLOGY
GEODESY
GEODYNAMICS
GEOELECTRICITY
GEOIDS

```
      GEOLOGICAL SURVEYS
      GEOLOGY
      GEOMAGNETISM
      GEOPHYSICAL OBSERVATORIES
      GRAVIMETERS
      GRAVIMETRY
      HEAT TRANSMISSION
      HYDROGRAPHY
      HYDROLOGY
      INTERNATIONAL GEOPHYSICAL YEAR
      INTERNATIONAL GEOSPHERE-BIOSPHERE
      PROGRAM
      ISOSTASY
      LIMNOLOGY
      METEOROLOGY
      OCEANOGRAPHY
      PALEOMAGNETISM
      PETROLOGY
    % PHYSICS
      PLATES (TECTONICS)
      POLAR CUSPS
    % RADIATION
      RADIOACTIVITY
    % SCIENCE
      SEISMOLOGY
      STRATIGRAPHY
      STRUCTURAL PROPERTIES (GEOLOGY)
      TECTONICS
      THEORETICAL PHYSICS
      TILTMETERS
      TOPOGRAPHY

GEOPOTENTIAL
  2308 2311 1308 1309
  GS  #GEOPOTENTIAL
      .GEOPOTENTIAL HEIGHT
  RT  EARTH GRAVITATION
      GEOELECTRICITY
      GRAVITATIONAL FIELDS
      HEIGHT
    % POTENTIAL
      POTENTIAL ENERGY

GEOPOTENTIAL HEIGHT
  1406 2311
  GS  GEOPOTENTIAL
      #GEOPOTENTIAL HEIGHT
      POTENTIAL ENERGY
      #GEOPOTENTIAL HEIGHT
  RT  ATMOSPHERIC PRESSURE
      EARTH ATMOSPHERE
      EARTH GRAVITATION
      GEODETIC ACCURACY
      GRAVITATIONAL FIELDS
      HEAD (FLUID MECHANICS)
      SCALE HEIGHT

GEOPOTENTIAL RESEARCH MISSION
  3107
  UF  GRAVSAT SATELLITES
  GS  ARTIFICIAL SATELLITES
      .SCIENTIFIC SATELLITES
      .#GEOPOTENTIAL RESEARCH MISSION
  RT  GRAVITATION
      GRAVITATIONAL FIELDS

GEOPRESSURE
  1306
  GS  PRESSURE
      #GEOPRESSURE
  RT  GEOLOGY
      GEOTHERMAL RESOURCES
      GEOTHERMAL TECHNOLOGY
      PRESSURE GRADIENTS

GEORGIA
  1305
  GS  NATIONS
      .UNITED STATES
      .#GEORGIA
  RT  ATLANTA (GA)
      SAND HILLS REGION (GA-NC-SC)

GEORGIA (EURASIA)
  1305
  GS  NATIONS
      #GEORGIA (EURASIA)
  RT  ASIA
      EUROPE

GEOS SATELLITES (ESA)
  3107
  UF  GEOS SATELLITES (ESRO)
  GS  ARTIFICIAL SATELLITES
      .ESA SATELLITES
      .#GEOS SATELLITES (ESA)
      ESA SPACECRAFT
      .ESA SATELLITES
      .#GEOS SATELLITES (ESA)
  RT  EARTH MAGNETOSPHERE
      EUROPEAN SPACE PROGRAMS
      GEOSARI PROJECT

GEOS SATELLITES (ESRO)
  USE GEOS SATELLITES (ESA)

GEOS 1 SATELLITE
  1303 1304 3107
  GS  ARTIFICIAL SATELLITES
      .GEODETIC SATELLITES
      .#GEOS 1 SATELLITE
  RT  ACTIVE SATELLITES
      ANNA SATELLITES
      CELESTIAL GEODESY
      EXPLORER 29 SATELLITE
      LARGOS SATELLITE
      PAGEOS SATELLITE

GEOS 2 SATELLITE
  1303 1304 3107
  UF  GEOS-B SATELLITE
  GS  ARTIFICIAL SATELLITES
      .GEODETIC SATELLITES
      .#GEOS 2 SATELLITE
  RT  ACTIVE SATELLITES
      ANNA SATELLITES
      CELESTIAL GEODESY
      EXPLORER 36 SATELLITE
      LARGOS SATELLITE
      PAGEOS SATELLITE

GEOS 3 SATELLITE
  1303 1304 3107
  UF  GEOS-C SATELLITE
  GS  ARTIFICIAL SATELLITES
      .GEODETIC SATELLITES
      .#GEOS 3 SATELLITE
  RT  ACTIVE SATELLITES
      ANNA SATELLITES
      CELESTIAL GEODESY
      LARGOS SATELLITE
      PAGEOS SATELLITE
      SATELLITE ALTIMETRY

GEOS-B SATELLITE
  USE GEOS 2 SATELLITE

GEOS-C SATELLITE
  USE GEOS 3 SATELLITE

GEOS-D SATELLITE
  UF  GEODYNAMIC EXPERIMENTAL OCEAN
      SATELLITE
  GS  ARTIFICIAL SATELLITES
      #GEOS-D SATELLITE

GEOSARI PROJECT
  3107
  GS  PROGRAMS
      .PROJECTS
      .#GEOSARI PROJECT
  RT  ARIANE LAUNCH VEHICLE
      EUROPEAN SPACE AGENCY
      GEOS SATELLITES (ESA)
```

```
GEOSAT SATELLITES
  1303 1304 3107 1306
  GS   ARTIFICIAL SATELLITES
       .GEODETIC SATELLITES
       .#GEOSAT SATELLITES
  RT   SATELLITE ALTIMETRY

GEOSPHERE
  USE  LITHOSPHERE

GEOSTATIONARY OPERATIONAL ENVIRON SATS
  USE  GOES SATELLITES

GEOSTATIONARY OPERATL ENVIRON SATELLITE B
  USE  GOES 2

GEOSTATIONARY PLATFORMS
  USE  SYNCHRONOUS PLATFORMS

GEOSTATIONARY SATELLITES
  USE  SYNCHRONOUS SATELLITES

GEOSTROPHIC WIND
  2002 2003 2311
  GS   WIND (METEOROLOGY)
       .WINDS ALOFT
       .#GEOSTROPHIC WIND
  RT   BAROCLINIC INSTABILITY
       BAROCLINIC WAVES
       DIVERGENCE
       ISOBARS (PRESSURE)
       SEA BREEZE
       WIND SHEAR

GEOSYNCHRONOUS EARTH ORBITAL ENVIRONMENTS
  USE  EARTH ORBITAL ENVIRONMENTS

GEOSYNCHRONOUS ORBITS
  3006 3009
  GS   ORBITS
       .EARTH ORBITS
       .#GEOSYNCHRONOUS ORBITS
       .SPACECRAFT ORBITS
       ..SATELLITE ORBITS
       ..#GEOSYNCHRONOUS ORBITS
  RT   CIRCULAR ORBITS
       EQUATORIAL ORBITS
       INFRARED ASTRONOMY SATELLITE
       STATIONARY ORBITS
       SYNCHRONOUS PLATFORMS
       TWENTY-FOUR HOUR ORBITS

GEOSYNCLINES
  1306
  RT   ANTICLINES
       DOMES (GEOLOGY)
     % LAYERS
       STRATA
       STRATIFICATION
       STRATIGRAPHY
       SYNCLINES

GEOTECHNICAL ENGINEERING
  1306
  RT   FOUNDATIONS
       SOIL MECHANICS
       STRUCTURAL DESIGN CRITERIA
       STRUCTURAL ENGINEERING

GEOTECHNICAL FABRICS
  3105
  UF   GEOFABRICS
       GEOTEXTILES
  RT   FABRICS
       SOIL MECHANICS

GEOTEMPERATURE
  1408
  UF   GEOTHERMOMETRY
  RT   GEOLOGY
       GEOTHERMAL ANOMALIES
       TEMPERATURE

GEOTEXTILES
  USE  GEOTECHNICAL FABRICS

GEOTHERMAL ANOMALIES
  1408
  GS   ANOMALIES
       #GEOTHERMAL ANOMALIES
  RT   GEOTEMPERATURE
       GEOTHERMAL RESOURCES
       SURFACE TEMPERATURE
       THERMAL MAPPING

GEOTHERMAL ENERGY CONVERSION
  0301 0303 1306 1308 2311 3303 3304
  3404
  GS   ENERGY CONVERSION
       #GEOTHERMAL ENERGY CONVERSION
  RT   CLEAN ENERGY
     % CONVERSION
       EARTH RESOURCES
       ENGINES
       GEOTHERMAL TECHNOLOGY
       HEAT TRANSFER
       HEAT TRANSMISSION
       OCEAN THERMAL ENERGY CONVERSION
       THERMAL ENERGY
       TURBINES
       TURBOGENERATORS

GEOTHERMAL ENERGY EXTRACTION
  1308
  GS   EXTRACTION
       #GEOTHERMAL ENERGY EXTRACTION
  RT   ENERGY CONVERSION
       ENERGY TECHNOLOGY
       GEOTHERMAL TECHNOLOGY
       HEAT EXCHANGERS
       HEAT PUMPS
       HEAT TRANSMISSION
       HEATING
       TURBINES
       TURBOGENERATORS
       WATER HEATING

GEOTHERMAL ENERGY UTILIZATION
  1308
  GS   UTILIZATION
       #GEOTHERMAL ENERGY UTILIZATION
  RT   COOLING
     % ELECTRIC POWER
       ENERGY STORAGE
       GEOTHERMAL TECHNOLOGY
       HEAT PIPES
       HEAT STORAGE
       HEATING
     % POWER PLANTS
       TURBOGENERATORS

GEOTHERMAL RESOURCES
  1305 1306 1308
  GS   HEAT SOURCES
       .THERMAL RESOURCES
       .#GEOTHERMAL RESOURCES
       ...GEYSERS
       RESOURCES
       .EARTH RESOURCES
       ..THERMAL RESOURCES
       ..#GEOTHERMAL RESOURCES
       ....GEYSERS
  RT   DRY HEAT
     % ENERGY SOURCES
       GEOPHYSICAL FLUIDS
       GEOPRESSURE
       GEOTHERMAL ANOMALIES
       HEAT TRANSMISSION
       HYDROTHERMAL SYSTEMS
       THERMAL ENERGY
       THERMAL MAPPING
       UNDERWATER RESOURCES
       VOLCANOES

GEOTHERMAL TECHNOLOGY
```

```
  1306
  GS    TECHNOLOGIES
        .ENERGY TECHNOLOGY
        .#GEOTHERMAL TECHNOLOGY
  RT    DRY HEAT
        EXPLORATION
        GEOPHYSICAL FLUIDS
        GEOPRESSURE
        GEOTHERMAL ENERGY CONVERSION
        GEOTHERMAL ENERGY EXTRACTION
        GEOTHERMAL ENERGY UTILIZATION
        GEYSERS
        HEAT SOURCES
        HEAT TRANSFER
        OCEAN THERMAL ENERGY CONVERSION
        RESOURCES
        THERMAL RESOURCES

GEOTHERMOMETRY
  USE   GEOTEMPERATURE

GEOTROPISM
  0404 0408 0409
  GS    TROPISM
        #GEOTROPISM
  RT    GRAVITATIONAL EFFECTS
        PHYSIOLOGICAL EFFECTS
        PLANTS (BOTANY)

GEP TELESCOPES
  USE   PARTICLE TELESCOPES

GERDIEN ARC HEATERS
  USE   ARC HEATING
        HEATING EQUIPMENT

GERDIEN CONDENSERS
  1301 1302 1504 3108 3110
  GS    MEASURING INSTRUMENTS
        #GERDIEN CONDENSERS
  RT    CAPACITORS
        ION DENSITY (CONCENTRATION)

GERIATRICS
  0405
  GS    MEDICAL SCIENCE
        #GERIATRICS
  RT    AGING (BIOLOGY)
        GERONTOLOGY

GERMAN DEMOCRATIC REPUBLIC
  USE   EAST GERMANY

GERMAN INFRARED LABORATORY
  1412 3009
  GS    TELESCOPES
        .SPACEBORNE TELESCOPES
        .#GERMAN INFRARED LABORATORY
  RT    PAYLOADS
        SPACE SHUTTLES
        SPACELAB
        WEST GERMANY

GERMAN SPACE PROGRAM
  3409
  GS    PROGRAMS
        .SPACE PROGRAMS
        ..EUROPEAN SPACE PROGRAMS
        ..#GERMAN SPACE PROGRAM
  RT    EAST GERMANY
        GERMANY
        WEST GERMANY

GERMANATES
  0603 1804
  GS    GERMANIUM COMPOUNDS
        #GERMANATES
        ..MAGNESIUM GERMANATES

GERMANIDES
  0603 1804
  GS    GERMANIUM COMPOUNDS
        #GERMANIDES
        ..MAGNESIUM GERMANIDES
  RT    GERMANIUM ALLOYS

GERMANIUM
  1703
  GS    CHEMICAL ELEMENTS
        .METALLOIDS
        .#GERMANIUM
        ...GERMANIUM ISOTOPES

GERMANIUM ALLOYS
  0603 1703 1804
  GS    ALLOYS
        #GERMANIUM ALLOYS
  RT    GERMANIDES
        SILICON ALLOYS

GERMANIUM ANTIMONIDES
  0603 1804
  GS    ANTIMONY COMPOUNDS
        .ANTIMONIDES
        .#GERMANIUM ANTIMONIDES
        GERMANIUM COMPOUNDS
        #GERMANIUM ANTIMONIDES

GERMANIUM CHLORIDES
  0603 1804
  GS    GERMANIUM COMPOUNDS
        #GERMANIUM CHLORIDES
        HALOGEN COMPOUNDS
        .CHLORINE COMPOUNDS
        ..CHLORIDES
        ..#GERMANIUM CHLORIDES
        .HALIDES
        ..CHLORIDES
        ..#GERMANIUM CHLORIDES

GERMANIUM COMPOUNDS
  0603 1703 1804
  GS   #GERMANIUM COMPOUNDS
        .GERMANATES
        ..MAGNESIUM GERMANATES
        .GERMANIDES
        ..MAGNESIUM GERMANIDES
        .GERMANIUM ANTIMONIDES
        .GERMANIUM CHLORIDES
        .GERMANIUM OXIDES
        .ORGANIC GERMANIUM COMPOUNDS
  RT % CHEMICAL COMPOUNDS
     % GROUP 4A COMPOUNDS
     % METAL COMPOUNDS

GERMANIUM DIODES
  0603 1703 2603
  UF    GERMANIUM RECTIFIERS
  GS    ELECTRONIC EQUIPMENT
        .DIODES
        ..SEMICONDUCTOR DIODES
        ..#GERMANIUM DIODES
        .SOLID STATE DEVICES
        ..SEMICONDUCTOR DEVICES
        ..#GERMANIUM DIODES
        RECTIFIERS
        #GERMANIUM DIODES
  RT    JUNCTION DIODES
        TRANSISTORS

GERMANIUM ISOTOPES
  0603 1703 2406
  GS    CHEMICAL ELEMENTS
        .METALLOIDS
        ..GERMANIUM
        ..#GERMANIUM ISOTOPES
        .NUCLIDES
        ..ISOTOPES
        ..#GERMANIUM ISOTOPES

GERMANIUM OXIDES
  0603 1703 1804
  GS    CHALCOGENIDES
        .OXIDES
        .#GERMANIUM OXIDES
```

```
        GERMANIUM COMPOUNDS
        #GERMANIUM OXIDES
  RT % OXYGEN COMPOUNDS

GERMANIUM RECTIFIERS
  USE  GERMANIUM DIODES

GERMANY
  1305
  RT   EAST GERMANY
       GERMAN SPACE PROGRAM
       WEST GERMANY

GERMICIDES
  USE  BACTERICIDES

GERMINATION
  0409 0411
  RT   CROP GROWTH
       GROWTH
       PHYTOTRONS
       VIABILITY

GERMINATORS
  USE  PHYTOTRONS

GERONTOLOGY
  0404
  RT   AGE FACTOR
       AGING (BIOLOGY)
       GERIATRICS
       LIFE SPAN

GERT
  0802 3405 3406
  UF   GRAPHIC EVALUATION AND REVIEW
       TECHNIQUES
  RT   CRITICAL PATH METHOD
       MANAGEMENT
       MANAGEMENT ANALYSIS
       MANAGEMENT METHODS
       MANAGEMENT PLANNING
     % METHODOLOGY
       PERT
       PROJECT MANAGEMENT

GESTALT THEORY
  0408
  RT   PSYCHOTHERAPY
     % THEORIES

GET AWAY SPECIALS (STS)
  0201 0202
  GS   PAYLOADS
       .SPACE SHUTTLE PAYLOADS
       .#GET AWAY SPECIALS (STS)
  RT   OSS-1 PAYLOAD
       SPACE SHUTTLE MISSIONS
       SPACEBORNE EXPERIMENTS
       SPACELAB
       SPACELAB PAYLOADS

GETOL AIRCRAFT
  0201 0205
  GS   GROUND EFFECT MACHINES
       #GETOL AIRCRAFT
  RT % AIRCRAFT
     % SUBSONIC AIRCRAFT
       VERTICAL TAKEOFF AIRCRAFT

GETTERS
  0903 1703 1802
  RT   ION PUMPS
       PROPARGYL GROUPS
       PURIFICATION
       RESIDUAL GAS
       VACUUM
       VAPOR TRAPS

GEYSERS
  1304
  GS   HEAT SOURCES
       .THERMAL RESOURCES
       ..GEOTHERMAL RESOURCES
       ..#GEYSERS
       RESOURCES
       .EARTH RESOURCES
       ..THERMAL RESOURCES
       ...GEOTHERMAL RESOURCES
       ...#GEYSERS
  RT   ANOMALOUS TEMPERATURE ZONES
       GEOTHERMAL TECHNOLOGY
       HYDROGEOLOGY
       HYDROTHERMAL SYSTEMS

GGG (GARNET)
  USE  GADOLINIUM-GALLIUM GARNET

GHANA
  1305
  GS   NATIONS
       #GHANA
  RT   AFRICA

GHOSTS
  0704 0705 1411
  RT   DISTORTION
       RADAR ECHOES
       RADIO ECHOES

GIACOBINI-ZINNER COMET
  3001 3005
  GS   CELESTIAL BODIES
       .COMETS
       .#GIACOBINI-ZINNER COMET
  RT   DRACONID METEOROIDS
       SOLAR SYSTEM

GIANT STARS
  3001 3008
  GS   CELESTIAL BODIES
       .STARS
       .#GIANT STARS
       ...ASYMPTOTIC GIANT BRANCH STARS
       ...OMICRON CETI STAR
       ...RED GIANT STARS
       ....CARBON STARS
  RT   COOL STARS
       F STARS
       G STARS
       HORIZONTAL BRANCH STARS
       K STARS
       LATE STARS
       M STARS
       MAIN SEQUENCE STARS
       S STARS
       SUBGIANT STARS
       SUPERGIANT STARS

GIBBERELLINS
  0409 1805
  GS   PLANTS (BOTANY)
       .FUNGI
       .#GIBBERELLINS
       REGULATORS
       #GIBBERELLINS
  RT   HEMOSTATICS

GIBBS ADSORPTION EQUATION
  1902 3304
  RT   ADSORPTION
     % EQUATIONS
     % GIBBS EQUATIONS
       INTERFACIAL TENSION

% GIBBS EQUATIONS
  1902 3304
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT % EQUATIONS
       GIBBS ADSORPTION EQUATION
       GIBBS FREE ENERGY
       GIBBS-HELMHOLTZ EQUATIONS
       PHASE RULE
```

```
GIBBS FREE ENERGY
  1902 3304
  GS   HEAT
       .ENTHALPY
       .#GIBBS FREE ENERGY
       THERMODYNAMIC PROPERTIES
       .ENTHALPY
       .#GIBBS FREE ENERGY
       .FREE ENERGY
       .#GIBBS FREE ENERGY
  RT % GIBBS EQUATIONS
       GIBBS-HELMHOLTZ EQUATIONS
       MAYER PROBLEM

GIBBS PHENOMENON
  1902
  RT   DISCONTINUITY
       FOURIER SERIES
       SERIES (MATHEMATICS)

GIBBS-HELMHOLTZ EQUATIONS
  1902
  RT   ELECTRIC POTENTIAL
       ENTHALPY
     % EQUATIONS
       FREE ENERGY
     % GIBBS EQUATIONS
       GIBBS FREE ENERGY
       INTERNAL ENERGY
       PRESSURE
       TEMPERATURE

GIBRALTAR
  1305
  GS   NATIONS
       .UNITED KINGDOM
       .#GIBRALTAR
  RT   EUROPE
       MEDITERRANEAN SEA
       SPAIN
       STRAITS

GIMBALLESS INERTIAL NAVIGATION
  1403 1504 2102
  GS   NAVIGATION
       .INERTIAL NAVIGATION
       .#GIMBALLESS INERTIAL NAVIGATION
  RT   GYROSCOPES
       INERTIAL PLATFORMS
       NAVIGATION INSTRUMENTS

GIMBALS
  1403 1504
  RT   BEARINGS
       CONTROL MOMENT GYROSCOPES
       FLUID ROTOR GYROSCOPES
       GYRODAMPERS
       GYROSCOPES
       PIVOTS
       STABILIZED PLATFORMS
       SUPPORTS
       SWIVELS

GINGA SATELLITE
  1901 3009 3107
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..ASTRONOMICAL SATELLITES
       ..#GINGA SATELLITE
       JAPANESE SPACECRAFT
       #GINGA SATELLITE
       OBSERVATORIES
       .ASTRONOMICAL OBSERVATORIES
       ..ASTRONOMICAL SATELLITES
       ..#GINGA SATELLITE
  RT   JAPANESE SPACE PROGRAM
       X RAY ASTRONOMY
       X RAY SPECTRA
       X RAY STARS

GIOTTO MISSION
  1901 3009
  GS   ESA SPACECRAFT
       #GIOTTO MISSION
       SPACE MISSIONS
       .FLYBY MISSIONS
       .#GIOTTO MISSION
       UNMANNED SPACECRAFT
       .SPACE PROBES
       .#GIOTTO MISSION
  RT   HALLEY'S COMET

GIRDER WEBS
  3202
  GS   STRUCTURAL MEMBERS
       .PLATES (STRUCTURAL MEMBERS)
       .#GIRDER WEBS
       WEBS (SUPPORTS)
       #GIRDER WEBS
  RT   ELASTIC SHEETS
       GIRDERS
       METAL PLATES

GIRDERS
  1507 3203
  GS   STRUCTURAL MEMBERS
       #GIRDERS
  RT   BEAMS (SUPPORTS)
       BOX BEAMS
       GIRDER WEBS
       PLATES (STRUCTURAL MEMBERS)
       TRUSSES

GIRDLES
  0402 0404
  RT % BELTS
       PELVIS

GLACIAL DRIFT
  1303 1308
  UF   DRUMLINS
       END MORAINES
       ESKERS
       GLACIOFLUVIAL DEPOSITS
       MORAINES
       STOSS-AND-LEE TOPOGRAPHY
  RT   DEBRIS
       GLACIERS
       KETTLES (GEOLOGY)
       LAND ICE
       LANDFORMS
       SEA ICE
       SEDIMENTS

GLACIERS
  1303 1308
  UF   ACTIVE GLACIERS
       ADVANCING GLACIERS
  GS   CREVASSES
       #GLACIERS
       ICE
       #GLACIERS
       RESOURCES
       .EARTH RESOURCES
       .#GLACIERS
  RT   CIRQUES (LANDFORMS)
       GLACIAL DRIFT
       GLACIOLOGY
       LAND ICE
       SEA ICE

GLACIOFLUVIAL DEPOSITS
  USE  GLACIAL DRIFT

GLACIOLOGY
  1303 1308 1310
  GS   GEOLOGY
       #GLACIOLOGY
  RT   GEOMORPHOLOGY
       GLACIERS
       HYDROGEOLOGY
       ISOSTASY

% GLANDS
```

```
  0404 0408
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   GLANDS (ANATOMY)
       GLANDS (SEALS)
       PUMP SEALS

GLANDS (ANATOMY)
  0404 0405 0408
  GS   ANATOMY
       #GLANDS (ANATOMY)
       ..ENDOCRINE GLANDS
       ...ADRENAL GLAND
       ...GONADS
       ....OVARIES
       ....TESTES
       ...HYPOTHALAMUS
       ...PANCREAS
       ...PARATHYROID GLAND
       ...PINEAL GLAND
       ...PITUITARY GLAND
       ...THYMUS GLAND
       ...THYROID GLAND
       ..MAMMARY GLANDS
       ..SALIVARY GLANDS
       ..SEBACEOUS GLANDS
       ..SEX GLANDS
       ...GONADS
       ....OVARIES
       ....TESTES
       ...PROSTATE GLAND
  RT   ENDOCRINE SYSTEMS
       GASTROINTESTINAL SYSTEM
     % GLANDS
       LIVER
       ORGANS
       SECRETIONS

GLANDS (SEALS)
  0303 1501
  GS   SEALS (STOPPERS)
       #GLANDS (SEALS)
  RT % GLANDS
       LABYRINTH SEALS
       O RING SEALS
       PACKINGS (SEALS)
       PUMP SEALS
       SEALING

GLARE
  2310
  RT   BRIGHTNESS
       COMFORT
       DAYGLOW
       ELECTROMAGNETIC RADIATION
       HUMAN FACTORS ENGINEERING
       ILLUMINATING
       LIGHT (VISIBLE RADIATION)
       LUMINANCE
       LUSTER
       OPTICAL PROPERTIES
       RADIANCE
       SKY BRIGHTNESS
       SPECULAR REFLECTION
       SPREAD REFLECTION
       VISIBILITY
       VISION

GLASS
  1805
  GS   #GLASS
       .BOROSILICATE GLASS
       .E GLASS
       ..S GLASS
       .GLASS FIBERS
       .METALLIC GLASSES
       .OBSIDIAN GLASS
       .PYROCERAM (TRADEMARK)
       .SILICA GLASS
       .SPIN GLASS
       .VYCOR
  RT   AMORPHOUS MATERIALS
       CERAMICS
       ELECTROSTATIC BONDING
       GLASS TRANSITION TEMPERATURE
       GLASSWARE
       GLASSY CARBON
       GRIFFITH CRACK
     % MATERIALS
       MOLDAVITE
       OBSIDIAN
       OPTICAL MATERIALS
       OPTICAL PROPERTIES
       PHOTOGRAPHIC PLATES
       PORCELAIN
       SILICON DIOXIDE
       VITREOUS MATERIALS
       VITRIFICATION

GLASS COATINGS
  1412 1802
  SN   (COATINGS CONSISTING OF GLASS)
  GS   COATINGS
       #GLASS COATINGS
  RT   GLAZES
       METALLIC GLASSES
       PROTECTIVE COATINGS
       SILICA GLASS

GLASS ELECTRODES
  0903 1804
  GS   ELECTRODES
       #GLASS ELECTRODES
  RT   ELECTROCHEMISTRY
       ION EXCHANGING
       SILICA GLASS

GLASS FIBER REINFORCED PLASTICS
  1804 1805 1807 1809 1810 3202
  GS   COMPOSITE MATERIALS
       .FIBER COMPOSITES
       .#GLASS FIBER REINFORCED PLASTICS
       .POLYMER MATRIX COMPOSITES
       ..REINFORCED PLASTICS
       ..#GLASS FIBER REINFORCED PLASTICS
       PLASTICS
       .REINFORCED PLASTICS
       .#GLASS FIBER REINFORCED PLASTICS
  RT   AIRFRAME MATERIALS
       COMPOSITE STRUCTURES
       E GLASS
       FIBER ORIENTATION
       FIBERS
       LAMINATES
       PLASTIC AIRCRAFT STRUCTURES
       PULTRUSION
       REINFORCING FIBERS
       S GLASS
       THERMOPLASTIC RESINS
       THERMOSETTING RESINS
       WOVEN COMPOSITES

GLASS FIBERS
  1804 1809 3203
  UF   FIBERGLASS
  GS   FIBERS
       .SYNTHETIC FIBERS
       .#GLASS FIBERS
       GLASS
       #GLASS FIBERS
  RT   BORON FIBERS
       E GLASS
       GRADIENT INDEX OPTICS
       METALLIC GLASSES
       OPTICAL FIBERS
       REINFORCING FIBERS
       S GLASS
       SILICA GLASS
       VYCOR

GLASS LASERS
  1601
  GS   STIMULATED EMISSION DEVICES
       .LASERS
```

.#GLASS LASERS
RT HIGH POWER LASERS
LASER FUSION
LASER OUTPUTS
LASER PLASMA INTERACTIONS
LASER TARGETS
NEODYMIUM LASERS
OPTICAL PUMPING
PULSED LASERS
ULTRASHORT PULSED LASERS

GLASS TRANSITION TEMPERATURE
2311 2404 3304
GS TEMPERATURE
#GLASS TRANSITION TEMPERATURE
RT CURING
EPOXY RESINS
GLASS
POLYMER CHEMISTRY
POLYMER PHYSICS
TEMPERATURE EFFECTS
TRANSITION TEMPERATURE

GLASSWARE
1106 1801 1804
RT BOROSILICATE GLASS
BOTTLES
BURETTES
% CONTAINERS
FLASKS
GLASS
LABORATORY EQUIPMENT
PIPETTES
SILICA GLASS

GLASSY CARBON
0603
GS COMPOSITE MATERIALS
#GLASSY CARBON
RT CARBON
GLASS
% MATERIALS

GLAUBER THEORY
1902 3407
RT APPROXIMATION
ELASTIC SCATTERING
POMERANCHUK THEOREM
% THEORIES

GLAUCOMA
0405 0408
GS DISEASES
.EYE DISEASES
.#GLAUCOMA
RT INTRAOCULAR PRESSURE

GLAUERT COEFFICIENT
USE AERODYNAMIC FORCES
MACH NUMBER

GLAZES
1802 1804
GS COATINGS
#GLAZES
FINISHES
#GLAZES
RT CERAMICS
FRIT
GLASS COATINGS
PORCELAIN
PROTECTIVE COATINGS

GLIDE ANGLES
USE GLIDE PATHS

GLIDE LANDINGS
0101 0102 0205 3105 3201
GS LANDING
#GLIDE LANDINGS
..HORIZONTAL SPACECRAFT LANDING
RT AIRCRAFT LANDING
CRASH LANDING
DITCHING (LANDING)
PLANETARY LANDING
SOFT LANDING
SPACECRAFT LANDING
WATER LANDING

GLIDE PATHS
0101 0102 0205 3006
UF GLIDE ANGLES
GLIDE SLOPES
GS FLIGHT PATHS
#GLIDE PATHS
SLOPES
#GLIDE PATHS
RT AIRCRAFT APPROACH SPACING
APPROACH CONTROL
APPROACH INDICATORS
GLIDING
INSTRUMENT APPROACH
INSTRUMENT LANDING SYSTEMS
TERMINAL GUIDANCE

GLIDE SLOPES
USE GLIDE PATHS

GLIDERS
0102 0205 3105
UF SAILPLANES
GS #GLIDERS
.ASSET GLIDERS
.BOOSTGLIDE VEHICLES
..X-20 AIRCRAFT
.HANG GLIDERS
.HL-10 REENTRY VEHICLE
.HYPERSONIC GLIDERS
..X-20 AIRCRAFT
.JANUS SPACECRAFT
.KA-6 SAILPLANES
.PARAGLIDERS
..INFLATABLE GLIDERS
RT AEROSPACE PLANES
% AIRCRAFT
FLEXIBLE WINGS
FREE FLIGHT
GLIDING
LIFTING REENTRY VEHICLES
% MILITARY AIRCRAFT
MONOPLANES
OBSERVATION AIRCRAFT
SAILS
SAILWINGS
SCHLEICHER AIRCRAFT
SOARING
% SUBSONIC AIRCRAFT
TOWED BODIES
% WINGED VEHICLES

GLIDING
0101 0201 0205 1504 3407
RT BOOSTGLIDE VEHICLES
DESCENT
% FLIGHT
FLIGHT PATHS
FREE FLIGHT
GLIDE PATHS
GLIDERS
KA-6 SAILPLANES
LIFT
% MOTION
SOARING

GLIMM METHOD
1902 3501
GS ANALYSIS (MATHEMATICS)
.NUMERICAL ANALYSIS
.#GLIMM METHOD
PROCEDURES
#GLIMM METHOD
RT % EQUATIONS
FLUID DYNAMICS
% METHODOLOGY

```
GLINT
  0705 2402
  RT   ANGELS (RADAR)
       RADAR ECHOES
       SCINTILLATION

GLOBAL AIR POLLUTION
  0411 0412 0504
  GS   POLLUTION
       .ENVIRONMENT POLLUTION
       ..AIR POLLUTION
       ..#GLOBAL AIR POLLUTION
  RT   EARTH ATMOSPHERE
       ENVIRONMENTS
       GLOBAL WARMING
       POLLUTION MONITORING
       POLLUTION TRANSPORT

GLOBAL AIR SAMPLING PROGRAM
  0411 0505 1301 2001
  UF   GASP
  RT   AIR POLLUTION
       AIR SAMPLING
       ENVIRONMENTAL QUALITY
       SAMPLING

GLOBAL ATMOSPHERIC RESEARCH PROGRAM
  1301 2001 2003 3409
  UF   GARP
  GS   PROGRAMS
       #GLOBAL ATMOSPHERIC RESEARCH
        PROGRAM
       ..GARP ATLANTIC TROPICAL EXPERIMENT
  RT   AEROLOGY
       INTEGRATED GLOBAL OCEAN STATION
       SYSTEMS
       METEOROLOGY
       NASA PROGRAMS
       WEATHER
       WEATHER RECONNAISSANCE AIRCRAFT

GLOBAL COMMUNICATIONS ANTENNA GRID (NAVY)
  USE  SEAFARER PROJECT

GLOBAL POSITIONING SYSTEM
  2103
  RT   AUTONOMOUS SPACECRAFT CLOCKS
       FLIGHT PATHS
       NAVIGATION
       POSITION INDICATORS
       POSITIONING
       SATELLITE CONSTELLATIONS
       SATELLITE NAVIGATION SYSTEMS
       SPACE NAVIGATION
     % SYSTEMS

GLOBAL TRACKING NETWORK
  0709 1109 3006
  UF   GLOTRAC (TRACKING NETWORK)
  GS   STATIONS
       .TRACKING STATIONS
       .#GLOBAL TRACKING NETWORK
       TRACKING NETWORKS
       #GLOBAL TRACKING NETWORK
  RT   DATA ACQUISITION
       GROUND STATIONS
       MINITRACK SYSTEM
       NASCOM NETWORK
       OPTICAL TRACKING
       RADIO RELAY SYSTEMS
       RANGE AND RANGE RATE TRACKING
       SATELLITE TRACKING
       SPACE FLIGHT TRACKING AND DATA
       NETWORK
       STDN (NETWORK)

GLOBAL WARMING
  2003 3105 3303
  GS   HEATING
       .ATMOSPHERIC HEATING
       .#GLOBAL WARMING
  RT   ATMOSPHERIC TEMPERATURE
       CLIMATE CHANGE
       GLOBAL AIR POLLUTION
       GREENHOUSE EFFECT
       STRATOSPHERIC WARMING

% GLOBES
  1304 1308 9001
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   EARTH (PLANET)
       LUMINAIRES
       MAPS
       SPHERES

GLOBULAR CLUSTERS
  3001 3003
  GS   CELESTIAL BODIES
       .STAR CLUSTERS
       .#GLOBULAR CLUSTERS
  RT % CLUSTERS
       COLOR-MAGNITUDE DIAGRAM
       GALACTIC HALOS
       HORIZONTAL BRANCH STARS
       METALLICITY
       STAR DISTRIBUTION

GLOBULES
  1202
  RT   FALLING SPHERES
       INTERFACIAL TENSION
       LIQUIDS
       MICROBALLOONS
       SPHERES

GLOBULINS
  0403 0406 1808
  GS   BIOPOLYMERS
       .PROTEINS
       .#GLOBULINS
       ...FIBRINOGEN
       ...GAMMA GLOBULIN
       ORGANIC COMPOUNDS
       .PROTEINS
       .#GLOBULINS
       ...FIBRINOGEN
       ...GAMMA GLOBULIN

GLOMERULUS
  0404 0405
  GS   ANATOMY
       .CIRCULATORY SYSTEM
       ..CARDIOVASCULAR SYSTEM
       ...BLOOD VESSELS
       ....CAPILLARIES (ANATOMY)
       ....#GLOMERULUS
       .GENITOURINARY SYSTEM
       ..KIDNEYS
       ..#GLOMERULUS
  RT   RENAL FUNCTION

GLOSSARIES
  USE  DICTIONARIES

GLOSTER GA-5 AIRCRAFT
  USE  GA-5 AIRCRAFT

GLOTRAC (TRACKING NETWORK)
  USE  GLOBAL TRACKING NETWORK

GLOTTIS
  0404 0405
  GS   ANATOMY
       .RESPIRATORY SYSTEM
       ..LARYNX
       ..#GLOTTIS
  RT   VOCAL CORDS

GLOVES
  0508 1811
  GS   CLOTHING
       #GLOVES
  RT   PROTECTIVE CLOTHING
```

```
GLOW
  USE  LUMINESCENCE

GLOW DISCHARGES
  0605 2306 2402
  GS   ELECTRIC CURRENT
       .ELECTRIC DISCHARGES
       .#GLOW DISCHARGES
  RT   CATHODE GLOW
       ELECTRIC ARCS
       ELECTRIC CORONA
       ELECTRODELESS DISCHARGES
       FARADAY DARK SPACE
       GAS DISCHARGES
       LIGHT SOURCES
       PLASMA DISPLAY DEVICES
       PLASMA RADIATION

GLUCOSE
  0403 1808
  GS   ORGANIC COMPOUNDS
       .CARBOHYDRATES
       ..SUGARS
       ...MONOSACCHARIDES
       ....HEXOSES
       ....#GLUCOSE

GLUCOSIDES
  0403 1808
  UF   GLYCOSIDES
  GS   ORGANIC COMPOUNDS
       .CARBOHYDRATES
       .#GLUCOSIDES
       ...NUCLEOSIDES
       ....ADENINES
       ....GUANOSINES

GLUES
  0603 1507
  GS   ADHESIVES
       #GLUES
  RT   PASTES
       SIZING MATERIALS
       TETRAETHYL ORTHOSILICATE

GLUONS
  2403
  GS   PARTICLES
       .ELEMENTARY PARTICLES
       .#GLUONS
  RT   LEPTONS
       MESONS
       QUANTUM CHROMODYNAMICS
       QUARKS

GLUTAMATES
  0403 1808
  GS   ESTERS
       #GLUTAMATES
  RT   GLUTAMIC ACID

GLUTAMIC ACID
  0403 1808
  GS   ACIDS
       .AMINO ACIDS
       .#GLUTAMIC ACID
       ORGANIC COMPOUNDS
       .AMINO ACIDS
       .#GLUTAMIC ACID
  RT   GLUTAMATES

GLUTAMINE
  0403 1808
  GS   ACIDS
       .AMINO ACIDS
       .#GLUTAMINE
       ORGANIC COMPOUNDS
       .AMINO ACIDS
       .#GLUTAMINE

GLUTATHIONE
  0403 1808
  GS   ORGANIC COMPOUNDS
       .COENZYMES
       .#GLUTATHIONE
       .PEPTIDES
       ..POLYPEPTIDES
       ..#GLUTATHIONE

GLYCERIDES
  1808
  GS   ESTERS
       #GLYCERIDES
  RT   GLYCEROLS
       NITROGLYCERIN

GLYCERINS
  USE  GLYCEROLS

GLYCEROLS
  1808 3302
  UF   GLYCERINS
  RT   ALCOHOLS
       CARBOHYDRATES
       GLYCERIDES
       LIPIDS
       LIQUIDS
       NITROGLYCERIN
       TRIACETIN

GLYCIDYL AZIDE POLYMER
  1808 2702 2804 2809
  UF   GAP (PROPELLANTS)
  RT % POLYMERS
       PROPELLANT BINDERS
       SOLID ROCKET BINDERS

GLYCINE
  0403 1808
  GS   ACIDS
       .AMINO ACIDS
       .#GLYCINE
       ORGANIC COMPOUNDS
       .AMINO ACIDS
       .#GLYCINE

GLYCOGENS
  0403 0404 1808
  GS   ORGANIC COMPOUNDS
       .CARBOHYDRATES
       ..POLYSACCHARIDES
       ..#GLYCOGENS

GLYCOLS
  1808
  GS   HYDROXYL COMPOUNDS
       .ALCOHOLS
       .#GLYCOLS
  RT   HYDROXYL RADICALS

GLYCOLYSIS
  0602
  GS   CHEMICAL REACTIONS
       #GLYCOLYSIS
       DECOMPOSITION
       #GLYCOLYSIS

GLYCOSIDES
  USE  GLUCOSIDES

GNEISS
  1306
  GS   ROCKS
       #GNEISS
  RT   SOILS

GNOMONIC PROJECTION
  0702
  RT   PHOTOMAPPING
     % PROJECTION
       PROJECTIVE GEOMETRY

GNOTOBIOTICS
  0402 0405 0407 0504
```

RT BACTERIA
BACTERIOLOGY
CLOSED ECOLOGICAL SYSTEMS
CONTROLLED ATMOSPHERES
ISOLATION
MICROBIOLOGY
MICROORGANISMS
STERILIZATION

GNP
USE GROSS NATIONAL PRODUCT

GOAL THEORY
0408 0410
RT GOALS
% THEORIES

GOALS
3406 3409
RT ACHIEVEMENT
ENGINEERING MANAGEMENT
GOAL THEORY
PROJECT PLANNING
PURPOSES
RESEARCH MANAGEMENT

GOATS
0402
GS ANIMALS
.VERTEBRATES
..MAMMALS
..#GOATS
RT GRAZING
LIVESTOCK

GOBI DESERT
1305
GS LAND
.DESERTS
.#GOBI DESERT
RT ARID LANDS
DESERTIFICATION

GODDARD EXPERIMENT PACKAGE TELESCOPE
USE PARTICLE TELESCOPES

GODDARD TRAJECTORY DETERMINATION SYSTEM
3006
UF GTDS
RT COMPUTER PROGRAMS
INTERPLANETARY TRAJECTORIES
MOON-EARTH TRAJECTORIES
ORBIT CALCULATION
ORBITAL MECHANICS
ORBITAL POSITION ESTIMATION
SPACECRAFT TRAJECTORIES
% SYSTEMS
TRAJECTORY ANALYSIS
TRAJECTORY OPTIMIZATION

GOERTLER INSTABILITY
UF TAYLOR-GOERTLER INSTABILITY
GS STABILITY
#GOERTLER INSTABILITY
RT BOUNDARY LAYER STABILITY
BOUNDARY LAYER TRANSITION
CENTRIFUGAL FORCE
FLOW STABILITY
LAMINAR BOUNDARY LAYER
ROTATING FLUIDS
ROTATING LIQUIDS
TAYLOR INSTABILITY
VORTICES
WALL FLOW

GOES SATELLITES
3107
UF GEOSTATIONARY OPERATIONAL ENVIRON SATS
GS ARTIFICIAL SATELLITES
.SYNCHRONOUS SATELLITES
.#GOES SATELLITES
...GOES 1
...GOES 2
...GOES 3
...GOES 4
...GOES 5
...GOES 6
...GOES 7
RT ISCCP PROJECT
METEOROLOGICAL SATELLITES

GOES 1
3107
GS ARTIFICIAL SATELLITES
.SYNCHRONOUS SATELLITES
..GOES SATELLITES
..#GOES 1
RT METEOROLOGICAL SATELLITES

GOES 2
3107
UF GEOSTATIONARY OPERATL ENVIRON SATELLITE B
GS ARTIFICIAL SATELLITES
.SYNCHRONOUS SATELLITES
..GOES SATELLITES
..#GOES 2
RT METEOROLOGICAL SATELLITES
SMS 1
SMS 2

GOES 3
3107
GS ARTIFICIAL SATELLITES
.SYNCHRONOUS SATELLITES
..GOES SATELLITES
..#GOES 3
RT METEOROLOGICAL SATELLITES

GOES 4
1901
GS ARTIFICIAL SATELLITES
.SYNCHRONOUS SATELLITES
..GOES SATELLITES
..#GOES 4
RT METEOROLOGICAL SATELLITES

GOES 5
1901
GS ARTIFICIAL SATELLITES
.SYNCHRONOUS SATELLITES
..GOES SATELLITES
..#GOES 5
RT METEOROLOGICAL SATELLITES

GOES 6
1901 3107
GS ARTIFICIAL SATELLITES
.METEOROLOGICAL SATELLITES
.#GOES 6
.SYNCHRONOUS SATELLITES
..GOES SATELLITES
..#GOES 6

GOES 7
1901 3107
GS ARTIFICIAL SATELLITES
.SYNCHRONOUS SATELLITES
..GOES SATELLITES
..#GOES 7

GOGGLES
0508
GS CLOTHING
#GOGGLES
RT EYE PROTECTION
FLIGHT CLOTHING
HELMETS
PROTECTIVE CLOTHING
SUNGLASSES

GOLAY DETECTOR CELLS
0301 1406
GS MEASURING INSTRUMENTS

```
        .RADIATION MEASURING INSTRUMENTS
        ..RADIATION DETECTORS
        ..#GOLAY DETECTOR CELLS
  RT    ENERGY ABSORPTION FILMS
        PNEUMATIC EQUIPMENT
        RADIATION ABSORPTION

GOLD
  1703
  GS    CHEMICAL ELEMENTS
        #GOLD
        ..GOLD ISOTOPES
        ...GOLD 198
        METALS
        .NOBLE METALS
        .#GOLD
        ...GOLD ISOTOPES
        ....GOLD 198
        .TRANSITION METALS
        .#GOLD
        ...GOLD ISOTOPES
        ....GOLD 198

GOLD ALLOYS
  0603 1701
  GS    ALLOYS
        #GOLD ALLOYS
  RT    COPPER ALLOYS
        NICKEL ALLOYS
        SILVER ALLOYS

GOLD COATINGS
  0602 1701 1704
  UF    GOLD PLATE
  GS    COATINGS
        .METAL COATINGS
        .#GOLD COATINGS
  RT    NICKEL PLATE
        PROTECTIVE COATINGS

GOLD ISOTOPES
  1703 2406
  GS    CHEMICAL ELEMENTS
        .GOLD
        .#GOLD ISOTOPES
        ...GOLD 198
        .NUCLIDES
        ..ISOTOPES
        ..#GOLD ISOTOPES
        ....GOLD 198
        METALS
        .NOBLE METALS
        ..GOLD
        ..#GOLD ISOTOPES
        ....GOLD 198
        .TRANSITION METALS
        ..GOLD
        ..#GOLD ISOTOPES
        ....GOLD 198
  RT    RADIOACTIVE ISOTOPES

GOLD PLATE
  USE   GOLD COATINGS

GOLD 198
  1703 2406
  GS    CHEMICAL ELEMENTS
        .GOLD
        ..GOLD ISOTOPES
        ..#GOLD 198
        .NUCLIDES
        ..ISOTOPES
        ...GOLD ISOTOPES
        ...#GOLD 198
        ...RADIOACTIVE ISOTOPES
        ...#GOLD 198
        METALS
        .NOBLE METALS
        ..GOLD
        ...GOLD ISOTOPES
        ...#GOLD 198
        .TRANSITION METALS
        ..GOLD
        ...GOLD ISOTOPES
        ...#GOLD 198

GOMPERTZ CURVES
  1902
  GS    CHARTS
        .GRAPHS (CHARTS)
        .#GOMPERTZ CURVES
        GEOMETRY
        .CURVES (GEOMETRY)
        ..S CURVES
        ..#GOMPERTZ CURVES
        .EUCLIDEAN GEOMETRY
        ..ANALYTIC GEOMETRY
        ...S CURVES
        ...#GOMPERTZ CURVES

GONADS
  0404 0411
  GS    ANATOMY
        .GENITOURINARY SYSTEM
        ..REPRODUCTIVE SYSTEMS
        ...SEX GLANDS
        ...#GONADS
        .....OVARIES
        .....TESTES
        .GLANDS (ANATOMY)
        ..ENDOCRINE GLANDS
        ..#GONADS
        ....OVARIES
        ....TESTES
        ..SEX GLANDS
        ..#GONADS
        ....OVARIES
        ....TESTES
  RT    PHYSIOLOGICAL EFFECTS

GONDOLAS
  0202 1103 3110
  RT    AIRCRAFT COMPARTMENTS
        AIRSHIPS
        BALLOONS
        BASKETS

GONIOMETERS
  1406 1902
  GS    MEASURING INSTRUMENTS
        #GONIOMETERS
        ..PHOTOGONIOMETERS
        ..RADIOGONIOMETERS
  RT    ANGLES (GEOMETRY)
        DIFFRACTOMETERS
        ETALONS
        INTERFEROMETERS
        MACH-ZEHNDER INTERFEROMETERS
        MONOCHROMATORS
        OPTICAL MEASURING INSTRUMENTS
        REFRACTOMETERS
        SPECTROMETERS

GOODNESS OF FIT
  1902
  GS    STATISTICAL ANALYSIS
        #GOODNESS OF FIT
  RT    FITTING
        MATHEMATICAL MODELS
        MAXIMUM LIKELIHOOD ESTIMATES
        PROBABILITY DISTRIBUTION FUNCTIONS
        PROBABILITY THEORY
        STATISTICAL DISTRIBUTIONS
        STATISTICAL TESTS
        VARIANCE (STATISTICS)

GORES
  0208 1303 1811
  RT    FABRICS
        PARACHUTE FABRICS

GORGES
  USE   CANYONS

GOSS (SUPPORT SYSTEM)
```

USE GROUND OPERATIONAL SUPPORT SYSTEM

GOVERNMENT PROCUREMENT
3406
GS PROCUREMENT
#GOVERNMENT PROCUREMENT
RT COMMODITIES
CONTRACTS
FEDERAL BUDGETS
SERVICES

GOVERNMENT/INDUSTRY RELATIONS
3402 3404 3406
RT COMMERCE LAB
CONTRACT NEGOTIATION
CONTRACTORS
CONTRACTS
PROCUREMENT

GOVERNMENTS
3403
RT CONSTITUTION
CULTURE (SOCIAL SCIENCES)
POLICIES
POLITICS
REGIMES
VOTING

GOVERNORS
USE SPEED REGULATORS

GRABENS
USE GEOLOGICAL FAULTS

% GRADE
0101 1505 3406 1306
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT ANGLES (GEOMETRY)
GRADIENTS
LEVEL (HORIZONTAL)
POSITION (TITLE)
QUALITY
SLOPES

GRADIENT INDEX OPTICS
2310
RT FIBER OPTICS
GEOMETRICAL OPTICS
GLASS FIBERS
LENS DESIGN
LENSES
NONLINEAR OPTICS
OPTICAL PROPERTIES
% OPTICS
PHYSICAL OPTICS
RAY TRACING
REFRACTIVITY

GRADIENTS
1902 2311
GS #GRADIENTS
.ELECTRON DENSITY PROFILES
.POTENTIAL GRADIENTS
.PRESSURE GRADIENTS
.TEMPERATURE GRADIENTS
..THERMOCLINES
RT ANGLES (GEOMETRY)
COMPOSITION (PROPERTY)
CONJUGATE GRADIENT METHOD
% CROSS SECTIONS
DIFFERENCES
DISTRIBUTION (PROPERTY)
% DROP
% GRADE
GRAVITY GRADIOMETERS
ISOBARS (PRESSURE)
ISOTHERMS
LEVEL (HORIZONTAL)
OPTIMIZATION
% PROFILES
SLOPES
VARIATIONS
VECTOR ANALYSIS

% GRADIOMETERS
1406
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED-CONSULT THE TERMS
LISTED BELOW)
RT GRAVITY GRADIOMETERS
MAGNETOMETERS

GRADUATION
USE CALIBRATING

GRAEFF CALCULUS
1902 3501
GS ANALYSIS (MATHEMATICS)
.CALCULUS
.#GRAEFF CALCULUS
.NUMERICAL ANALYSIS
.#GRAEFF CALCULUS

GRAFTING
0404
RT IMPLANTATION
INSERTION

GRAIN BOUNDARIES
1704
GS BOUNDARIES
#GRAIN BOUNDARIES
RT CRYSTAL DISLOCATIONS
GRAIN SIZE
INTERGRANULAR CORROSION
INTERSTICES
INTERSTITIALS
PRECIPITATES
TRANSGRANULAR CORROSION
TWINNING

GRAIN SIZE
1704
GS SIZE (DIMENSIONS)
#GRAIN SIZE
RT GRAIN BOUNDARIES
METAL FATIGUE
MICROSTRUCTURE
PARTICLE SIZE DISTRIBUTION

% GRAINS
0409 1407 1704 2601 2702 2809
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT CRYSTALS
GRAINS (FOOD)
GRANULAR MATERIALS
PARTICLES
PROPELLANT GRAINS

GRAINS (FOOD)
0409
GS FARM CROPS
#GRAINS (FOOD)
..BARLEY
..CORN
..MILLET
..OATS
..RICE
..SORGHUM
..WHEAT
RT ANGIOSPERMS
EARTH RESOURCES
% GRAINS
GRASSES
SEEDS

GRAMMARS
0702 3405
RT LANGUAGES
PARSING ALGORITHMS
SEMANTICS

```
      SYNTAX
      VOWELS
      WORDS (LANGUAGE)

GRAND CANYON (AZ)
  1305
  GS  LANDFORMS
      .CANYONS
      .#GRAND CANYON (AZ)
  RT  ARIZONA

GRAND TOURS
  3006 3009 3409
  UF  OUTER PLANET MISSIONS
  GS  SPACE MISSIONS
      .FLYBY MISSIONS
      .#GRAND TOURS
      ...MARINER JUPITER-SATURN FLYBY
      ...MARINER JUPITER-URANUS FLYBY
      ...VOYAGER 1977 MISSION
  RT % MISSIONS
      OUTER PLANETS EXPLORERS
      SPACE FLIGHT
      VOYAGER 1 SPACECRAFT
      VOYAGER 2 SPACECRAFT

GRAND UNIFIED THEORY
  2311 2400 3002 3003
  UF  GUT
  GS  FIELD THEORY (PHYSICS)
      #GRAND UNIFIED THEORY
      ..UNIFIED FIELD THEORY
  RT  ASTROPHYSICS
      BIG BANG COSMOLOGY
      BROKEN SYMMETRY
      COSMOLOGY
      EINSTEIN EQUATIONS
      ELECTROMAGNETIC FIELDS
      ELECTROMAGNETIC INTERACTIONS
      ELECTROMAGNETISM
      GRAVITATION THEORY
      GRAVITATIONAL FIELDS
      PARTICLE THEORY
      PLASMA PHYSICS
      RELATIVITY
      STRING THEORY
      STRONG INTERACTIONS (FIELD THEORY)
      SUPERSYMMETRY
      SYMMETRY
      THEORETICAL PHYSICS
      WEAK ENERGY INTERACTIONS
      WEAK INTERACTIONS (FIELD THEORY)

GRANITE
  1306 1806
  GS  ROCKS
      .IGNEOUS ROCKS
      .#GRANITE
  RT  BATHOLITHS
      EARTH RESOURCES
      SOILS

GRANTS
  3402 3403
  RT  APPROPRIATIONS
      BUDGETING
      CONTRACTS
      INSURANCE (CONTRACTS)
      NASA PROGRAMS
      PATENTS
      SUBCONTRACTS

GRANULAR MATERIALS
  1704
  RT  BRITTLE MATERIALS
    % GRAINS
      LOW DENSITY MATERIALS
    % MATERIALS
      PARTICLES
      PELLETS
      POWDER (PARTICLES)

GRAPH THEORY
  1902
  RT  COMBINATORIAL ANALYSIS
      GRAPHS (CHARTS)
      MATHEMATICAL MODELS
      SET THEORY
    % THEORIES
      TOPOLOGY
      TREES (MATHEMATICS)

GRAPHIC ARTS
  3405
  GS  ARTS
      #GRAPHIC ARTS
      ..ANIMATION
      ...COMPUTER ANIMATION
  RT  CHARTS
      DIAGRAMS
      DRAFTING (DRAWING)
      DRAWINGS
      ENGINEERING DRAWINGS
      IMAGERY
      INKS
      MOTION PICTURES
      MULTIMEDIA
      PHOTOGRAPHY
    % PROJECTION

GRAPHIC EVALUATION AND REVIEW TECHNIQUES
  USE GERT

GRAPHICAL USER INTERFACE
  0503 0802 9001
  UF  GUI (COMPUTERS)
  GS #GRAPHICAL USER INTERFACE
      .WINDOWS (COMPUTER PROGRAMS)
  RT  COMPUTER GRAPHICS
      DISK OPERATING SYSTEM (DOS)
      DISPLAY DEVICES
      HUMAN-COMPUTER INTERFACE

GRAPHITE
  1503 1805 1806 1807 2203
  GS  CARBONACEOUS MATERIALS
      #GRAPHITE
      ..PYROLYTIC GRAPHITE
      MINERALS
      #GRAPHITE
      ..PYROLYTIC GRAPHITE
  RT  ALUMINUM GRAPHITE COMPOSITES
      BUCKMINSTERFULLERENE
      CARBON
      ELECTRODES
      FIBER COMPOSITES
      FIBER RELEASE
      FULLERENES
      GRAPHITE-EPOXY COMPOSITES
      INTERCALATION
      LUBRICANTS
      MODERATORS
      SINGLE CRYSTALS
      SOLID LUBRICANTS
      SYNTHETIC METALS

GRAPHITE-EPOXY COMPOSITES
  1805
  GS  COMPOSITE MATERIALS
      .RESIN MATRIX COMPOSITES
      .#GRAPHITE-EPOXY COMPOSITES
      .SUPERHYBRID MATERIALS
      .#GRAPHITE-EPOXY COMPOSITES
  RT  BRAIDED COMPOSITES
      CARBON FIBER REINFORCED PLASTICS
    % CONSTRUCTION MATERIALS
      EPOXY RESINS
      FIBER COMPOSITES
      GRAPHITE
      GRAPHITE-POLYIMIDE COMPOSITES
    % MATERIALS
      REINFORCED PLASTICS
      REINFORCING FIBERS
      SHEET MOLDING COMPOUNDS
      WOVEN COMPOSITES
```

```
GRAPHITE-POLYIMIDE COMPOSITES
  1809
  GS    COMPOSITE MATERIALS
        .POLYMER MATRIX COMPOSITES
        .#GRAPHITE-POLYIMIDE COMPOSITES
  RT    GRAPHITE-EPOXY COMPOSITES

GRAPHITIZATION
  0602 1808
  RT    ANNEALING
        HEAT TREATMENT

GRAPHOEPITAXY
  2601
  RT    AMORPHOUS MATERIALS
        CRYSTAL LATTICES
        CRYSTAL STRUCTURE

GRAPHOLOGY
  0408 0410
  GS    HANDWRITING
        #GRAPHOLOGY
        RECOGNITION
        .PATTERN RECOGNITION
        .#GRAPHOLOGY
  RT    CHARACTER RECOGNITION

GRAPHS (CHARTS)
  1902 3406 9001
  UF    POLARIZATION CHARTS
  GS    CHARTS
        #GRAPHS (CHARTS)
        ..BOND GRAPHS
        ..GOMPERTZ CURVES
        ..MOLLIER DIAGRAM
        ..PATTERSON MAP
  RT    CONFORMAL MAPPING
      % CURVES
        FAULT TREES
        GRAPH THEORY
        HISTOGRAMS
      % NETWORKS
        NOMOGRAPHS
      % ORIGINS
        PETRI NETS
        RECORDING INSTRUMENTS
        REPRESENTATIONS
        STATISTICAL ANALYSIS
        TREES (MATHEMATICS)

GRASHOF NUMBER
  1902 3303 3501
  GS    RATIOS
        .DIMENSIONLESS NUMBERS
        .#GRASHOF NUMBER
  RT    CONVECTION
        PRANDTL NUMBER
        REYNOLDS NUMBER

GRASSES
  0409 1903
  GS    PLANTS (BOTANY)
        #GRASSES
        ..HAY
        ..REEDS (PLANTS)
        ..SEA GRASSES
        ..SORGHUM
  RT    ALFALFA
        CANOPIES (VEGETATION)
        DEFOLIATION
        FARM CROPS
        FARMLANDS
        GRAINS (FOOD)
        GRASSLANDS
        MILLET
        OATS
        SOD

GRASSHOPPERS
  0402
  GS    ANIMALS
        .INVERTEBRATES
        ..ARTHROPODS
        ...INSECTS
        ...#GRASSHOPPERS

GRASSLANDS
  0408 1303 1305 1306 1308
  UF    GRAZING LANDS
        MEADOWLANDS
        PRAIRIES
        SAVANNAHS
  GS    LAND
        #GRASSLANDS
        ..LLANOS ORIENTALES (COLOMBIA)
  RT    AGRICULTURE
        CROP GROWTH
        EARTH RESOURCES
        FARM CROPS
        FARMLANDS
        GRASSES
        HAY
        LAND USE
        PLAINS
        PLOWING
        RANGELANDS
        RURAL AREAS
        RURAL LAND USE
        SOD
        STEPPES

GRASSMANN ALGEBRA
  USE   VECTOR SPACES

% GRATINGS
  2310
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    GRATINGS (SPECTRA)
        INTERFERENCE GRATING
        OPTICAL FILTERS

GRATINGS (SPECTRA)
  2401 2601
  UF    DIFFRACTION GRATINGS
  GS   #GRATINGS (SPECTRA)
        .ECHELETTE GRATINGS
        .ECHELLE GRATINGS
  RT    DIFFRACTION RADIATION
        FRESNEL DIFFRACTION
      % GRATINGS
        OPTICAL FILTERS
        RONCHI TEST
        ROWLAND CIRCLES

GRAUPEL
  2003
  GS    PRECIPITATION (METEOROLOGY)
        #GRAUPEL
  RT    CLOUD GLACIATION
        CLOUD PHYSICS
        HAIL
        HAILSTORMS
        ICE FORMATION
        ICE NUCLEI
        SNOW

GRAVEL DEPOSITS
  USE   GRAVELS

GRAVELS
  1805 1806
  UF    GRAVEL DEPOSITS
  GS    SEDIMENTS
        #GRAVELS
        SOILS
        #GRAVELS
  RT    AGGREGATES
        ALLUVIUM
        AQUIFERS
        BOREHOLES
        FANS (LANDFORMS)
        GRIT
```

```
      SANDS

GRAVIMETERS
  1309 1406
  UF   GRAVITY METERS
  GS   MEASURING INSTRUMENTS
       #GRAVIMETERS
  RT   ACCELEROMETERS
       DENSITOMETERS
       GEODESY
       GEOPHYSICS
       GRAVIMETRY
       GRAVITATION
       MICRODENSITOMETERS

GRAVIMETRY
  1309 1406
  RT % ACCELERATION
       ACCELEROMETERS
       GEOLOGY
       GEOPHYSICS
       GRAVIMETERS
       GRAVITATIONAL FIELDS
     % MEASUREMENT
       QUANTITATIVE ANALYSIS

GRAVIRECEPTORS
  0404 0408 1309
  GS   ANATOMY
       .SENSE ORGANS
       .#GRAVIRECEPTORS
       ...OTOLITH ORGANS
       RECEPTORS (PHYSIOLOGY)
       #GRAVIRECEPTORS
       ..OTOLITH ORGANS
  RT   OCULOGRAVIC ILLUSIONS
       SENSITOMETRY
       VERTICAL PERCEPTION

GRAVITATION
  1307 1309 3009
  UF   GRAVITY
  GS  #GRAVITATION
       .ARTIFICIAL GRAVITY
       .EARTH GRAVITATION
       .GRAVITY ANOMALIES
       .LUNAR GRAVITATION
       .MICROGRAVITY
       .PLANETARY GRAVITATION
       .STELLAR GRAVITATION
       ..SOLAR GRAVITATION
  RT   ANTIGRAVITY
       DRAG
       ENVIRONMENTS
       GEOPOTENTIAL RESEARCH MISSION
       GRAVIMETERS
       GRAVITATIONAL CONSTANT
       GRAVITATIONAL EFFECTS
       GRAVITATIONAL FIELDS
       GRAVITATIONAL WAVES
       GRAVITY GRADIOMETERS
       HIGH GRAVITY ENVIRONMENTS
       ISOSTASY
       LOW WEIGHT
       LUNAR GRAVITY SIMULATOR
       PENDULUMS
       ROCHE LIMIT
       SIMILITUDE LAW
       TERMINAL VELOCITY
       WEIGHT (MASS)
       WEIGHTLESSNESS

GRAVITATION THEORY
  1308 1309 3009
  GS  #GRAVITATION THEORY
       .SUPERGRAVITY
  RT   BIMETRIC THEORIES
       EVENT HORIZON
       GAUGE THEORY
       GRAND UNIFIED THEORY
       GRAVITATIONAL FIELDS
       GRAVITATIONAL WAVE ANTENNAS
       GRAVITINOS
       GRAVITONS
       STRING THEORY
       SUPERSYMMETRY
     % THEORIES
       UNIFIED FIELD THEORY

GRAVITATIONAL COLLAPSE
  1309 2502 3009
  RT   ASTROPHYSICS
       BLACK HOLES (ASTRONOMY)
       NAKED SINGULARITIES
       NEUTRAL CURRENTS
       QUASARS
       RELATIVISTIC PLASMAS
       STELLAR CORES
       STELLAR INTERIORS
       STELLAR SYSTEMS
       SUPERNOVAE
       WHITE HOLES (ASTRONOMY)

GRAVITATIONAL CONSTANT
  1309 1902 3009
  GS   CONSTANTS
       #GRAVITATIONAL CONSTANT
  RT   BIG BANG COSMOLOGY

GRAVITATIONAL EFFECTS
  0401 0408 1309 3009
  GS  #GRAVITATIONAL EFFECTS
       .GRAVITATIONAL LENSES
       .LAGRANGIAN EQUILIBRIUM POINTS
       .LUNAR GRAVITATIONAL EFFECTS
  RT   ACCELERATION STRESSES (PHYSIOLOGY)
       ACCELERATION TOLERANCE
       DROP TOWERS
     % EFFECTS
       GEOTROPISM
       GRAVITATIONAL PHYSIOLOGY
       GRAVITROPISM
       GRAVITY PROBE B
       LANGLEY COMPLEX COORDINATOR
       LOWER BODY NEGATIVE PRESSURE
       ORBITAL RESONANCES (CELESTIAL
       MECHANICS)
       REISSNER-NORDSTROM SOLUTION
       STELLAR MASS ACCRETION
       STELLAR SYSTEMS
       SWINGBY TECHNIQUE
       WEIGHTLESSNESS

GRAVITATIONAL FIELDS
  1309
  UF   GRAVITATIONAL POTENTIAL
  RT   ATTRACTION
       CENTER OF GRAVITY
       EARTH GRAVITATION
       EARTH-MOON SYSTEM
       FIELD STRENGTH
       FIELD THEORY (PHYSICS)
     % FIELDS
       GEOPOTENTIAL
       GEOPOTENTIAL HEIGHT
       GEOPOTENTIAL RESEARCH MISSION
       GRAND UNIFIED THEORY
       GRAVIMETRY
       GRAVITATION THEORY
       GRAVITATIONAL LENSES
       GRAVITY ANOMALIES
       LAGRANGIAN EQUILIBRIUM POINTS
       MULTIPOLAR FIELDS
       SATELLITE PERTURBATION
       SCHWARZSCHILD METRIC
       STELLAR GRAVITATION
       UNIFIED FIELD THEORY
       YANG-MILLS FIELDS

GRAVITATIONAL LENSES
  1309 2310 2903 3001 3002
  GS   GRAVITATIONAL EFFECTS
       #GRAVITATIONAL LENSES
       LENSES
       #GRAVITATIONAL LENSES
```

RT BLACK HOLES (ASTRONOMY)
FOCUSING
GRAVITATIONAL FIELDS
LIGHT SCATTERING
NEUTRON STARS
RELATIVISTIC EFFECTS
RELATIVITY
STELLAR GRAVITATION
WHITE HOLES (ASTRONOMY)

GRAVITATIONAL PHYSIOLOGY
0404
GS PHYSIOLOGY
#GRAVITATIONAL PHYSIOLOGY
RT ACCELERATION STRESSES (PHYSIOLOGY)
AEROSPACE MEDICINE
CENTRIFUGING STRESS
GRAVITATIONAL EFFECTS
PHYSIOLOGICAL ACCELERATION
PHYSIOLOGICAL EFFECTS
PHYSIOLOGICAL RESPONSES
SPACE FLIGHT STRESS
STRESS (PHYSIOLOGY)

GRAVITATIONAL POTENTIAL
USE GRAVITATIONAL FIELDS

GRAVITATIONAL RADIATION
USE GRAVITATIONAL WAVES

GRAVITATIONAL WAVE ANTENNAS
0901
GS ANTENNAS
#GRAVITATIONAL WAVE ANTENNAS
RT ANTENNA DESIGN
CRYOGENIC EQUIPMENT
GRAVITATION THEORY

GRAVITATIONAL WAVES
1309 3009
UF GRAVITATIONAL RADIATION
RT CELESTIAL BODIES
CELESTIAL MECHANICS
EARTH-MOON SYSTEM
GRAVITY WAVES
% RADIATION
% WAVES

GRAVITINOS
2403 3009
GS PARTICLES
.ELEMENTARY PARTICLES
.#GRAVITINOS
.NEUTRAL PARTICLES
.#GRAVITINOS
RT BARYONS
COSMOLOGY
DECOUPLING
GRAVITATION THEORY
GRAVITONS
NEUTRINOS
PARTICLE MASS
SUPERGRAVITY
WEAK ENERGY INTERACTIONS

GRAVITONS
2401
GS PARTICLES
.ELEMENTARY PARTICLES
.#GRAVITONS
RT ATOMIC STRUCTURE
GRAVITATION THEORY
GRAVITINOS
SUPERGRAVITY

GRAVITROPISM
0401
GS TROPISM
#GRAVITROPISM
RT CALMODULIN
GRAVITATIONAL EFFECTS
PLANTS (BOTANY)
VEGETATION GROWTH

GRAVITY
USE GRAVITATION

GRAVITY ANOMALIES
1307
GS ANOMALIES
#GRAVITY ANOMALIES
GRAVITATION
#GRAVITY ANOMALIES
RT EARTH GRAVITATION
GRAVITATIONAL FIELDS
MASCONS

GRAVITY ASSIST TRAJECTORIES
USE SWINGBY TECHNIQUE

GRAVITY GRADIENT SATELLITES
1309 3107
GS ARTIFICIAL SATELLITES
#GRAVITY GRADIENT SATELLITES
..ATS
...ATS 1
...ATS 2
...ATS 3
...ATS 4
...ATS 5
...ATS 6
...ATS 7
...ATS 8
..ORBIS CAL SATELLITE
RT ARTIFICIAL GRAVITY
EXPULSION
MANNED SPACECRAFT
OV-1 SATELLITES
OV-2 SATELLITES
OV-3 SATELLITES
OV-4 SATELLITES
OV-5 SATELLITES
SATELLITE ATTITUDE CONTROL
SATELLITE CONTROL
SPIN REDUCTION
UNMANNED SPACECRAFT

GRAVITY GRADIOMETERS
1406
GS MEASURING INSTRUMENTS
#GRAVITY GRADIOMETERS
RT GRADIENTS
% GRADIOMETERS
GRAVITATION

GRAVITY METERS
USE GRAVIMETERS

GRAVITY PROBE B
1307
RT GRAVITATIONAL EFFECTS
GYROSCOPES
NASA PROGRAMS
RELATIVITY

GRAVITY WAVES
1202 1309
GS ELASTIC WAVES
.CAPILLARY WAVES
.#GRAVITY WAVES
...BAROCLINIC WAVES
SURFACE WAVES
.CAPILLARY WAVES
.#GRAVITY WAVES
...BAROCLINIC WAVES
RT CNOIDAL WAVES
GRAVITATIONAL WAVES
PLANETARY WAVES
RIPPLES
WATER WAVES
WIND (METEOROLOGY)

GRAVSAT SATELLITES
USE GEOPOTENTIAL RESEARCH MISSION

GRAY GAS
0603 2311
GS GASES
#GRAY GAS
RT NONGRAY ATMOSPHERES
RADIATION ABSORPTION
RAYLEIGH SCATTERING
THERMAL ABSORPTION

GRAY SCALE
1411
RT AERIAL PHOTOGRAPHY
IMAGE CONTRAST
IMAGE ENHANCEMENT
IMAGE PROCESSING
IMAGING TECHNIQUES
OPTICAL DATA PROCESSING
PATTERN RECOGNITION

GRAZING
0402 0409 0505
GS INGESTION (BIOLOGY)
#GRAZING
RT ANIMALS
CATTLE
DEER
GOATS
HORSES
RANGELANDS
RURAL LAND USE
SWINE

GRAZING FLOW
2301
RT ACOUSTIC ATTENUATION
ACOUSTIC DUCTS
ACOUSTIC IMPEDANCE
ACOUSTIC MEASUREMENT
ACOUSTIC PROPERTIES
AEROACOUSTICS
% FLOW
NOISE REDUCTION
ORIFICE FLOW
RESONATORS
SHEAR FLOW

GRAZING INCIDENCE
0710
GS INCIDENCE
#GRAZING INCIDENCE
RT ABERRATION
ANGLES (GEOMETRY)
GRAZING INCIDENCE TELESCOPES
OPTICAL MEASUREMENT
RAY TRACING
X RAY OPTICS

GRAZING INCIDENCE SOLAR TELESCOPE
USE GRIST (TELESCOPE)

GRAZING INCIDENCE TELESCOPES
1412 3001 2903 3009
GS TELESCOPES
#GRAZING INCIDENCE TELESCOPES
..GRIST (TELESCOPE)
RT GRAZING INCIDENCE
X RAY ASTRONOMY
X RAY TELESCOPES

GRAZING LANDS
USE GRASSLANDS

GREASES
0602 1503
GS PRODUCTS
#GREASES
RT FATS
KEROGEN
LUBRICANTS
OILS
PETROLEUM PRODUCTS
THICKENERS (MATERIALS)

GREAT BASIN (US)
1305 1306
GS LANDFORMS
.STRUCTURAL BASINS
.#GREAT BASIN (US)
RT CALIFORNIA
EARTH RESOURCES
FOLDS (GEOLOGY)
FORMATIONS
GEOLOGY
NEVADA
STRUCTURAL PROPERTIES (GEOLOGY)
UTAH

GREAT BRITAIN
USE UNITED KINGDOM

GREAT CIRCLES
1303 1305
GS GEOMETRY
.EUCLIDEAN GEOMETRY
..CIRCLES (GEOMETRY)
..#GREAT CIRCLES
RT FLIGHT OPTIMIZATION
FLIGHT PATHS
GROUND TRACKS
TRAJECTORIES

GREAT LAKES (NORTH AMERICA)
1305 1306
GS LAKES
#GREAT LAKES (NORTH AMERICA)
..LAKE ERIE
..LAKE HURON
..LAKE MICHIGAN
..LAKE ONTARIO
..LAKE SUPERIOR
RT CANADA
CANALS
EARTH RESOURCES
INLAND WATERS
INTERNATIONAL FIELD YEAR FOR GREAT LAKES
RESOURCES
UNITED STATES
WATER FLOW
WATER RESOURCES

GREAT PLAINS CORRIDOR (NORTH AMERICA)
1305
GS CORRIDORS
#GREAT PLAINS CORRIDOR (NORTH AMERICA)
RT AGRICULTURE
CANADA
PLAINS
RURAL LAND USE
UNITED STATES

GREAT SALT LAKE (UT)
1305 1306
GS LAKES
#GREAT SALT LAKE (UT)
RT EARTH RESOURCES
HYDROLOGY
INLAND WATERS
PONDS
UTAH

GREAT SMOKY MOUNTAINS (NC-TN)
1305
GS LANDFORMS
.MOUNTAINS
.#GREAT SMOKY MOUNTAINS (NC-TN)
RT NORTH CAROLINA
TENNESSEE

GREB SATELLITES
2902 3107
SN (GALACTIC RADIATION EXPERIMENTAL BACKGROUND SATELLITES)
UF GALACTIC RADIATION EXP BACKGROUND

```
        SATS
  GS    ARTIFICIAL SATELLITES
        #GREB SATELLITES

GREECE
  1305
  GS    NATIONS
        #GREECE
  RT    CYPRUS
        EUROPE
        GREEK SPACE PROGRAM

GREEK SPACE PROGRAM
  3409
  GS    PROGRAMS
        .SPACE PROGRAMS
        ..EUROPEAN SPACE PROGRAMS
        ..#GREEK SPACE PROGRAM
  RT    GREECE

GREEN THEOREM
  USE   GREEN'S FUNCTIONS

GREEN WAVE EFFECT
  0409
  RT    ANNUAL VARIATIONS
        BOTANY
        CHLOROPHYLLS
      % EFFECTS
        FOLIAGE
        LEAVES

GREEN'S FUNCTIONS
  1902
  UF    GREEN THEOREM
        GREEN'S THEORUM
        GREEN'S THEOREM
  GS    ANALYSIS (MATHEMATICS)
        .REAL VARIABLES
        .#GREEN'S FUNCTIONS
        FUNCTIONS (MATHEMATICS)
        #GREEN'S FUNCTIONS
  RT    DIFFERENTIAL EQUATIONS
        FIELD THEORY (ALGEBRA)
        FIELD THEORY (PHYSICS)
        HALF PLANES
        HALF SPACES
        JACOBI INTEGRAL
        MANY BODY PROBLEM

GREEN'S THEORUM
  USE   GREEN'S FUNCTIONS

GREEN'S THEOREM
  USE   GREEN'S FUNCTIONS

GREENHOUSE EFFECT
  1301 1302 2001 3009
  RT    ATMOSPHERIC HEAT BUDGET
        ATMOSPHERIC RADIATION
        CHLOROFLUOROCARBONS
        CLIMATE CHANGE
        EARTH ATMOSPHERE
      % EFFECTS
        ENVIRONMENT EFFECTS
        GAIA HYPOTHESIS
        GLOBAL WARMING
        INSOLATION
        TERRESTRIAL RADIATION
        THERMAL RADIATION
        VENUS CLOUDS

GREENHOUSES
  0404
  RT    BUILDINGS
        PHYTOTRONS
        PLANTS (BOTANY)

GREENLAND
  1305
  GS    LANDFORMS
        .ISLANDS
        .#GREENLAND
  RT    ARCTIC OCEAN
        DENMARK

GREGORIAN ANTENNAS
  0701
  RT    ANTENNA DESIGN
        ANTENNA FEEDS
        ANTENNA RADIATION PATTERNS
        ANTENNAS
        CASSEGRAIN ANTENNAS
        MICROWAVE ANTENNAS

GRENADA
  1305
  GS    LANDFORMS
        .ISLANDS
        ..WEST INDIES
        ..#GRENADA
        NATIONS
        #GRENADA
  RT    CARIBBEAN REGION

GRENADES
  3302 3401
  RT    AMMUNITION
        INCENDIARY AMMUNITION
        PYROTECHNICS

GRID GENERATION (MATHEMATICS)
  1902 3501
  UF    MESH GENERATION (MATHEMATICS)
  RT    COMPUTATIONAL FLUID DYNAMICS
        COMPUTATIONAL GRIDS
        COORDINATES
        FINITE DIFFERENCE THEORY
        FINITE ELEMENT METHOD
        MULTIGRID METHODS

% GRIDS
  0903 1303
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    COMPUTATIONAL GRIDS
        COORDINATES
        IONIZERS
      % MATRICES
        MESH
        RETICLES
        TUBE GRIDS
        TURNSTILE ANTENNAS
        WIRE GRID LENSES

GRIDS (MATHEMATICS)
  USE   COMPUTATIONAL GRIDS

GRIFFITH CRACK
  1704
  RT    CRACK CLOSURE
        CRACK PROPAGATION
        FRACTURE MECHANICS
        GLASS
      % THEORIES

GRIFFON AIRCRAFT
  USE   NORD 1500 AIRCRAFT

GRIGG-SKJELLERUP COMET
  1901 3001
  GS    CELESTIAL BODIES
        .COMETS
        .#GRIGG-SKJELLERUP COMET
  RT %  COMA
        COMET TAILS
        SOLAR SYSTEM
        SOLAR WIND

GRIGNARD REACTIONS
  0602 1703 1704
  GS    CHEMICAL REACTIONS
        #GRIGNARD REACTIONS
  RT    CATALYSTS
```

```
% GRINDING
  1504 1704 3404
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   GRINDING (COMMINUTION)
       GRINDING (MATERIAL REMOVAL)

GRINDING (COMMINUTION)
  1504 3404
  UF   PULVERIZING
  GS   COMMINUTION
       #GRINDING (COMMINUTION)
  RT   ATOMIZING
       COMPOUNDING
       CRUSHING
       DISINTEGRATION
       GRINDING (MATERIAL REMOVAL)
       MIXING

GRINDING (MATERIAL REMOVAL)
  1504 1704 3404
  GS  #GRINDING (MATERIAL REMOVAL)
       .METAL GRINDING
  RT   ABRASION
       COUNTERSINKING
       CUTTING
     % GRINDING
       GRINDING (COMMINUTION)
       GROOVING
       MACHINING
       METAL CUTTING
       MICROMACHINING
       PLANING
       POLISHING
       SCARFING
       WEAR

GRINDING MACHINES
  1504
  GS   TOOLS
       .MACHINE TOOLS
       .#GRINDING MACHINES
  RT   LATHES
     % MACHINERY
       METAL GRINDING
       MILLING MACHINES
       SHAPERS
       ULTRASONIC CLEANING

GRINDING MILLS
  1504
  RT   ATOMIZERS
       ATOMIZING
       COMMINUTION
       CRUSHERS
       IMPACTORS
       MIXERS

GRIST (TELESCOPE)
  1412 3001
  UF   GRAZING INCIDENCE SOLAR TELESCOPE
  GS   TELESCOPES
       .GRAZING INCIDENCE TELESCOPES
       .#GRIST (TELESCOPE)
  RT   ENERGY SPECTRA
       SOLAR COSMIC RAYS
       SPACELAB
       SUN

GRIT
  1504 2601
  RT   ABRASIVES
       GRAVELS
       PARTICLES
       SANDS
       SEDIMENTS

GROOVES
  1504 1902
  GS  #GROOVES
       .V GROOVES
       ..RIBLETS
  RT   CORRUGATING
       GROOVING

GROOVING
  1504
  UF   FLUTING
  RT   CUTTING
       GRINDING (MATERIAL REMOVAL)
       GROOVES
       KNURLING
       MACHINING
       MICROMACHINING
       MILLING (MACHINING)
       STRIATION

GROSS NATIONAL PRODUCT
  3402
  UF   GNP
  GS   PRODUCTS
       #GROSS NATIONAL PRODUCT
  RT   COMMERCE
       COSTS
       ECONOMETRICS
       FINANCE
       INDUSTRIES

GROUND BASED CONTROL
  0707 1102 3501 4001
  GS  #GROUND BASED CONTROL
       .AIR TRAFFIC CONTROL
       ..AUTOMATED EN ROUTE ATC
       ..RADAR APPROACH CONTROL
  RT   AIR TRAFFIC CONTROLLERS (PERSONNEL)
       AIRCRAFT APPROACH SPACING
       AIRCRAFT CONTROL
       AIRPORT SURFACE DETECTION EQUIPMENT
       AIRPORT TOWERS
       APPROACH
       APPROACH CONTROL
       AUTOMATIC CONTROL
       AUTOMATIC TRAFFIC ADVISORY AND
       RESOLUTION
     % CONTROL
       FLIGHT CONTROL
       FLIGHT MANAGEMENT SYSTEMS
       FLY BY WIRE CONTROL
       GUIDANCE (MOTION)
       INSTRUMENT LANDING SYSTEMS
       INTEGRATED MISSION CONTROL CENTER
       LANDING AIDS
       MISSILE CONTROL
       RADAR NAVIGATION
       RADIO CONTROL
       REMOTE CONTROL
       SPACECRAFT CONTROL
       SPACECRAFT GUIDANCE
       TRAFFIC CONTROL

GROUND CLOUDS
  USE  EXHAUST CLOUDS

GROUND CREWS
  1102 1104 3501
  GS   PERSONNEL
       #GROUND CREWS
  RT   MAINTENANCE

GROUND EFFECT (AERODYNAMICS)
  0104 0205
  RT   AERODYNAMIC DRAG
       AERODYNAMICS
       AIR CUSHION LANDING SYSTEMS
       CUSHIONS
       DOWNWASH
       DRAG
     % EFFECTS
       GROUND RESONANCE
       JET BLAST EFFECTS
       LIFT
       PERIPHERAL JET FLOW
       WAKES
```

```
GROUND EFFECT (COMMUNICATIONS)
  0703
  RT    ECHOES
      % EFFECTS
        ELECTROMAGNETIC INTERFERENCE
        ELECTROMAGNETIC NOISE
        RADIO ATTENUATION
        SIGNAL FADING
        WAVE REFLECTION

GROUND EFFECT MACHINES
  0104 0205
  UF    AIR CUSHION VEHICLES
        DTMB-111 GROUND EFFECT MACHINE
        DTMB-430 GROUND EFFECT MACHINE
        HOVERCRAFT
  GS   #GROUND EFFECT MACHINES
        .CUSHIONCRAFT GROUND EFFECT MACHINE
        .GETOL AIRCRAFT
        .HOVERCRAFT GROUND EFFECT MACHINES
        .WESTLAND GROUND EFFECT MACHINES
  RT % AIRCRAFT
        COMMERCIAL AIRCRAFT
      % EFFECTS
      % FLIGHT VEHICLES
        FLYING PLATFORMS
        HOVERING
        LIFTING ROTORS
      % MACHINERY
      % MILITARY AIRCRAFT
        PASSENGER AIRCRAFT
        PERIPHERAL JET FLOW
        RAPID TRANSIT SYSTEMS
        RESEARCH AIRCRAFT
      % SUBSONIC AIRCRAFT
        SURFACE VEHICLES
      % TRANSPORT VEHICLES
        V/STOL AIRCRAFT
      % VEHICLES
        WATER TAKEOFF AND LANDING AIRCRAFT

GROUND HANDLING
  0702 1102 1104 3501
  GS    MATERIALS HANDLING
        #GROUND HANDLING
  RT    AIR CARGO
        BAGGAGE
        CREW PROCEDURES (PREFLIGHT)
      % FACILITIES
        FLIGHT OPERATIONS
        HANGARS
        MOBILE LOUNGES
        TRACTORS
        TRUCKS

GROUND OPERATIONAL SUPPORT SYSTEM
  0702 1102 1103 1104 3501
  UF    GOSS (SUPPORT SYSTEM)
  GS    GROUND SUPPORT EQUIPMENT
        #GROUND OPERATIONAL SUPPORT SYSTEM
        SUPPORT SYSTEMS
        #GROUND OPERATIONAL SUPPORT SYSTEM
        WEAPON SYSTEMS
        #GROUND OPERATIONAL SUPPORT SYSTEM
  RT %  SYSTEMS

GROUND RESONANCE
  0101
  RT    AERODYNAMIC STABILITY
        GROUND EFFECT (AERODYNAMICS)
        HELICOPTERS
        ROTARY WINGS
        ROTOR AERODYNAMICS

GROUND SPEED
  0709 1109 1406 2103 3501
  GS    RATES (PER TIME)
        #GROUND SPEED
        VELOCITY
        #GROUND SPEED
  RT    AIRSPEED
        HIGH SPEED
        LOW SPEED

GROUND SQUIRRELS
  0402
  GS    ANIMALS
        .VERTEBRATES
        ..MAMMALS
        ...RODENTS
        ....SQUIRRELS
        ....#GROUND SQUIRRELS

GROUND STATE
  2311 2401
  GS    LEVEL (QUANTITY)
        .ENERGY LEVELS
        .#GROUND STATE
  RT    ATOMIC ENERGY LEVELS
        ATOMIC THEORY
        ELECTRON STATES
        QUANTUM THEORY

GROUND STATIONS
  0702 1102 1104 1109 3501
  GS    STATIONS
        #GROUND STATIONS
        ..DEEP SPACE INSTRUMENTATION
          FACILITY
        ..EARTH TERMINALS
        ..INTEGRATED MISSION CONTROL CENTER
        ..POLYSTATION DOPPLER TRACKING
          SYSTEM
        ..SPACE DETECTION AND TRACKING
          SYSTEM
        ..STDN (NETWORK)
  RT    DATA ACQUISITION
        DATA COLLECTION PLATFORMS
        DOWNLINKING
        GLOBAL TRACKING NETWORK
        HANGARS
        INTEGRATED GLOBAL OCEAN STATION
        SYSTEMS
        JODRELL BANK OBSERVATORY
        LAND MOBILE SATELLITE SERVICE
        MSAT
        OCEAN DATA ACQUISITIONS SYSTEMS
        POLLUTION MONITORING
        SPACE FLIGHT TRACKING AND DATA
        NETWORK
        TRACKING STATIONS
        WEATHER STATIONS

GROUND SUPPORT EQUIPMENT
  1103 1106 1108 1406 3501
  GS   #GROUND SUPPORT EQUIPMENT
        .GROUND OPERATIONAL SUPPORT SYSTEM
  RT    AIR TRAFFIC CONTROL
        AIRCRAFT MAINTENANCE
        AIRPORT PLANNING
        AUXILIARY POWER SOURCES
        BALLISTIC CAMERAS
        CAPE KENNEDY LAUNCH COMPLEX
        COMMAND AND CONTROL
        COMMAND GUIDANCE
        CRAWLER TRACTORS
        EARTH TERMINAL MEASUREMENT SYSTEM
      % EQUIPMENT
        FLIGHT CONTROL
        GANTRY CRANES
        HANDLING EQUIPMENT
        LANDING AIDS
        LAUNCHING BASES
        LAUNCHING PADS
        LAUNCHING SITES
        MAINTENANCE
        MISSILE LAUNCHERS
        MISSILE STORAGE
        MISSILES
        ORDNANCE
        PROPELLANT STORAGE
        RADIO TELEMETRY
        REFUELING
        ROCKET LAUNCHERS
```

```
      SATELLITE GROUND SUPPORT
    % SPACECRAFT
      STORABLE PROPELLANTS
    % TEST EQUIPMENT
      TRACKING NETWORKS
      TRACKING STATIONS

GROUND SUPPORT SYSTEMS
  1103 1106 1108 1406 3102 3501
  GS   SUPPORT SYSTEMS
       #GROUND SUPPORT SYSTEMS
  RT   COMMONALITY
    % SYSTEMS

GROUND TESTS
  1106 1107 1108 1110 3501
  GS  #GROUND TESTS
       .COLD FLOW TESTS
       .PRELAUNCH TESTS
       ..STATIC FIRING
  RT   AIRCRAFT RUNUP
       CAPTIVE TESTS
       CREW PROCEDURES (PREFLIGHT)
       ELECTRIC EQUIPMENT TESTS
       ENGINE TESTS
       FLIGHT TESTS
       FULL SCALE TESTS
       MISSILE TESTS
       PREFIRING TESTS
       PREFLIGHT OPERATIONS
       SPACE ELECTRIC ROCKET TESTS
       STABILITY TESTS
       STATIC TESTS
       TEST FIRING
    % TESTS
      WING FLOW METHOD TESTS

GROUND TRACKS
  1102 1109 3006 3009
  GS  #GROUND TRACKS
       .SATELLITE GROUND TRACKS
  RT   AREA NAVIGATION
       FLIGHT PATHS
       GREAT CIRCLES
       ORBITS
    % PATHS
    % TRACKS

GROUND TRUTH
  1401
  RT   AERIAL PHOTOGRAPHY
       AERIAL RECONNAISSANCE
       AIRBORNE INTEGRATED RECONNAISSANCE
       SYSTEM
       CROP IDENTIFICATION
       IMAGERY
       IN SITU MEASUREMENT
       PHOTOINTERPRETATION
       PHOTORECONNAISSANCE
       SPECTROPHOTOGRAPHY

GROUND WATER
  1306 1305
  UF   GROUNDWATER
  GS   WATER
       .INLAND WATERS
       .#GROUND WATER
  RT   AQUIFERS
       EARTH RESOURCES
       FRESH WATER
       LIMNOLOGY
       LYSIMETERS
       POTABLE WATER
       SPRINGS (WATER)
       SURFACE WATER
       WATER FLOW
       WATER RESOURCES
       WATER RUNOFF
       WATER TABLES
       WELLS

GROUND WAVE PROPAGATION
  0710 2402
  GS   TRANSMISSION
       .WAVE PROPAGATION
       .#GROUND WAVE PROPAGATION
  RT   RADIO WAVES
       SELECTIVE FADING
       SKY WAVES

GROUND WIND
  0101 0201 1110 1203 1308 2003 3009
  3501
  GS   WIND (METEOROLOGY)
       #GROUND WIND
  RT   AIR CURRENTS
       ATMOSPHERIC CIRCULATION
       CYCLONES
       GUST LOADS
       GUSTS
       MONSOONS
       SQUALLS
       STORMS (METEOROLOGY)
       TORNADOES
       WIND DIRECTION
       WIND EFFECTS
       WIND EROSION
       WIND PRESSURE
       WIND PROFILES
       WIND SHEAR
       WIND VELOCITY
       WINDMILLS (WINDPOWERED MACHINES)
       WINDPOWER UTILIZATION
       WINDPOWERED GENERATORS

GROUND-AIR-GROUND COMMUNICATION
  0702 0706 1102 3501
  GS   COMMUNICATING
       #GROUND-AIR-GROUND COMMUNICATION
       TELECOMMUNICATION
       #GROUND-AIR-GROUND COMMUNICATION
  RT   AERONAUTICAL SATELLITES
       AIR TRAFFIC CONTROL
       AIRCRAFT COMMUNICATION
       AUTOMATED EN ROUTE ATC
       COMMUNICATION SATELLITES
       DISCRETE ADDRESS BEACON SYSTEM
       OPTICAL COMMUNICATION
       RADIO COMMUNICATION
       SATELLITE COMMUNICATION
       SPACECRAFT COMMUNICATION
       VOICE COMMUNICATION

GROUND-TO-AIR MISSILES
  USE  SURFACE TO AIR MISSILES

GROUNDWATER
  USE  GROUND WATER

GROUP BEHAVIOR
  USE  GROUP DYNAMICS

GROUP DYNAMICS
  0408 0410 3406
  UF   GROUP BEHAVIOR
  RT   DEPENDENCE
     % DYNAMICS
       ETHNIC FACTORS
       PROBLEM SOLVING
       SOCIOLOGY

GROUP THEORY
  1902
  GS   ALGEBRA
       #GROUP THEORY
       ..HOMOMORPHISMS
       ...AUTOMORPHISMS
       ...MONOIDS
       ...SUBGROUPS
  RT   CHIRAL DYNAMICS
       FIBERS (MATHEMATICS)
       LIE GROUPS
       SUPERGRAVITY
       SUPERSYMMETRY
     % THEORIES
```

```
GROUP VELOCITY
  0710 2311 2402
  GS   RATES (PER TIME)
       #GROUP VELOCITY
       VELOCITY
       #GROUP VELOCITY
  RT   BEAT FREQUENCIES
       HARMONIC MOTION
       PHASE VELOCITY
       PROPAGATION VELOCITY
       QUANTUM MECHANICS
       WAVE PROPAGATION

GROUP 1A COMPOUNDS
  USE  ALKALI METAL COMPOUNDS

% GROUP 1B COMPOUNDS
  0603 1804
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT % CHEMICAL COMPOUNDS
       COPPER COMPOUNDS
       NOBLE METALS
       SILVER COMPOUNDS

GROUP 2A COMPOUNDS
  USE  ALKALINE EARTH COMPOUNDS

% GROUP 2B COMPOUNDS
  0603
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   CADMIUM COMPOUNDS
     % CHEMICAL COMPOUNDS
       MERCURY COMPOUNDS
       ZINC COMPOUNDS

% GROUP 3A COMPOUNDS
  0603
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   ALUMINUM COMPOUNDS
       BORON COMPOUNDS
     % CHEMICAL COMPOUNDS
       GALLIUM COMPOUNDS
       INDIUM COMPOUNDS

% GROUP 3B COMPOUNDS
  0603
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   ACTINIDE SERIES COMPOUNDS
     % CHEMICAL COMPOUNDS
       CURIUM COMPOUNDS
       RARE EARTH COMPOUNDS
       SCANDIUM COMPOUNDS
       YTTRIUM COMPOUNDS

% GROUP 4A COMPOUNDS
  0603
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   CARBON COMPOUNDS
     % CHEMICAL COMPOUNDS
       GERMANIUM COMPOUNDS
       LEAD COMPOUNDS
       SILICON COMPOUNDS
       TIN COMPOUNDS

% GROUP 4B COMPOUNDS
  0603
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT % CHEMICAL COMPOUNDS
       HAFNIUM COMPOUNDS
       TITANIUM COMPOUNDS
       ZIRCONIUM COMPOUNDS

% GROUP 5A COMPOUNDS
  0603
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  UF   PNICTIDES
  RT   ANTIMONY COMPOUNDS
       ARSENIC COMPOUNDS
       BISMUTH COMPOUNDS
     % CHEMICAL COMPOUNDS
       NITROGEN COMPOUNDS
       OXYNITRIDES
       PHOSPHORUS COMPOUNDS

% GROUP 5B COMPOUNDS
  0603
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT % CHEMICAL COMPOUNDS
       NIOBIUM COMPOUNDS
       TANTALUM COMPOUNDS
       VANADIUM COMPOUNDS

% GROUP 6A COMPOUNDS
  0603
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   CHALCOGENIDES
     % CHEMICAL COMPOUNDS
       POLONIUM COMPOUNDS
       SELENIUM COMPOUNDS
       SULFUR COMPOUNDS
       TELLURIUM COMPOUNDS

% GROUP 6B COMPOUNDS
  0603
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT % CHEMICAL COMPOUNDS
       CHROMIUM COMPOUNDS
       MOLYBDENUM COMPOUNDS
       TUNGSTEN COMPOUNDS

GROUP 7A COMPOUNDS
  USE  HALOGEN COMPOUNDS

% GROUP 7B COMPOUNDS
  0603
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT % CHEMICAL COMPOUNDS
       MANGANESE COMPOUNDS
       RHENIUM COMPOUNDS
       TECHNETIUM COMPOUNDS

% GROUP 8 COMPOUNDS
  0603
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT % CHEMICAL COMPOUNDS
       COBALT COMPOUNDS
       IRIDIUM COMPOUNDS
       IRON COMPOUNDS
       NICKEL COMPOUNDS
       OSMIUM COMPOUNDS
       PLATINUM COMPOUNDS
       RHODIUM COMPOUNDS

% GROUPS
  0803 3407
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   CATEGORIES
       CLASSES
```

```
      SUBDIVISIONS

GROUT
  1805 3202 3203
  RT   AMORPHOUS MATERIALS
       CEMENTS
       CLAYS
       CONCRETES
     % CONSTRUCTION MATERIALS
       MORTARS (MATERIAL)
       MUD
       PLASTERS
       TILES

GROWTH
  0404 1704 2601 3406 3407 0602
  UF   HYPERTROPHY
       MATURING
  GS  #GROWTH
       .CRYSTAL GROWTH
       ..CZOCHRALSKI METHOD
       ..DIRECTIONAL SOLIDIFICATION
         (CRYSTALS)
       ..EPITAXY
       ...ELECTROEPITAXY
       ...LIQUID PHASE EPITAXY
       ...MOLECULAR BEAM EPITAXY
       ...VAPOR PHASE EPITAXY
       ..HYDROTHERMAL CRYSTAL GROWTH
       ..PROTEIN CRYSTAL GROWTH
       ..TRAVELING SOLVENT METHOD
       ..VERNEUIL PROCESS
       .VEGETATION GROWTH
       ..CROP GROWTH
  RT   ACCUMULATIONS
       CROP CALENDARS
     % DEVELOPMENT
       EVOLUTION (DEVELOPMENT)
     % FORMATION
       GERMINATION
       INCREASING
       INFLATING
       ONTOGENY
       PHYTOTRONS
       SHRINKAGE
       SINTERING
       SWELLING
       TIMBER VIGOR
       TIMBERLINE
       TRENDS
       VIABILITY
       WARPAGE
       YOUTH

GROWTH CHAMBERS
  USE  PHYTOTRONS

GRUMMAN AIRCRAFT
  0201 0207
  GS  #GRUMMAN AIRCRAFT
       .A-6 AIRCRAFT
       .C-1A AIRCRAFT
       .C-2 AIRCRAFT
       .E-2 AIRCRAFT
       .F-9 AIRCRAFT
       .F-14 AIRCRAFT
       .F-111 AIRCRAFT
       .JETSTREAM AIRCRAFT
       .OV-1 AIRCRAFT
  RT % AIRCRAFT
       AWACS AIRCRAFT

GRUMMAN OV-1C AIRCRAFT
  USE  OV-1 AIRCRAFT

GRUNEISEN CONSTANT
  1902 3304
  GS   CONSTANTS
       #GRUNEISEN CONSTANT
  RT   COMPRESSIBILITY
       SPECIFIC HEAT
       THERMAL EXPANSION

GTDS
  USE  GODDARD TRAJECTORY DETERMINATION
       SYSTEM

GUADELOUPE
  1305
  GS   LANDFORMS
       .ISLANDS
       ..WEST INDIES
       ..#GUADELOUPE
       NATIONS
       .FRANCE
       .#GUADELOUPE

GUAM
  1305
  GS   LANDFORMS
       .ISLANDS
       ..PACIFIC ISLANDS
       ..#GUAM
  RT   UNITED STATES

GUANETHIDINE
  0403 0408 1808
  GS   AMINES
       .DIAMINES
       ..GUANIDINES
       ..#GUANETHIDINE
       ORGANIC COMPOUNDS
       .CYCLIC COMPOUNDS
       ..HETEROCYCLIC COMPOUNDS
       ..#GUANETHIDINE

GUANIDINES
  1808
  GS   AMINES
       .DIAMINES
       .#GUANIDINES
       ...GUANETHIDINE
       ...TRIAMINOGUANIDINIUM AZIDE
  RT   PERFLUOROGUANIDINE

GUANINES
  0402 0403 1808
  GS   BASES (CHEMICAL)
       #GUANINES
       FUNGICIDES
       .XANTHINES
       .#GUANINES
       NITROGEN COMPOUNDS
       .XANTHINES
       .#GUANINES
       ORGANIC COMPOUNDS
       .CYCLIC COMPOUNDS
       ..HETEROCYCLIC COMPOUNDS
       ...PURINES
       ....XANTHINES
       ....#GUANINES
  RT   CYCLIC AMP

GUANOSINES
  0603
  UF   VERNINE
  GS   ORGANIC COMPOUNDS
       .CARBOHYDRATES
       ..GLUCOSIDES
       ...NUCLEOSIDES
       ...#GUANOSINES
  RT   NUCLEIC ACIDS
       RIBONUCLEIC ACIDS

GUARDS (SHIELDS)
  1505 3401 3407
  RT % BARRIERS
       COVERINGS
       HOUSINGS
       SAFETY DEVICES
       SAFETY MANAGEMENT
       SHIELDING

GUATEMALA
  1305
```

```
  GS   NATIONS
       #GUATEMALA
  RT   CENTRAL AMERICA

GUAYULE
  1802
  GS   PLANTS (BOTANY)
       #GUAYULE
  RT   BRUSH (BOTANY)
       RUBBER

GUI (COMPUTERS)
  USE  GRAPHICAL USER INTERFACE

GUIDANCE (MOTION)
  2102 3406
  GS  #GUIDANCE (MOTION)
       .AIRCRAFT GUIDANCE
       .BEAM RIDER GUIDANCE
       .COMMAND GUIDANCE
       .ENTRY GUIDANCE (STS)
       .INERTIAL GUIDANCE
       ..STRAPDOWN INERTIAL GUIDANCE
       .INJECTION GUIDANCE
       .MAP MATCHING GUIDANCE
       .MIDCOURSE GUIDANCE
       .REENTRY GUIDANCE
       .RENDEZVOUS GUIDANCE
       .SPACECRAFT GUIDANCE
       ..SATELLITE GUIDANCE
       .STANDARDIZED SPACE GUIDANCE
       .TERMINAL GUIDANCE
       ..LASER GUIDANCE
  RT   AIR NAVIGATION
       APPROACH
       ASCENT TRAJECTORIES
       ASTRIONICS
       AUTOMATIC CONTROL
       AVIONICS
       CONTROL SURFACES
       FLIGHT CONTROL
       FLIGHT PATHS
       GROUND BASED CONTROL
       HOMING
       HOMING DEVICES
       IMPACT PREDICTION
       LANDING
       MANUAL CONTROL
       MISSILES
       NAVIGATION
     % PLATFORMS
       POINTING CONTROL SYSTEMS
       RADIO NAVIGATION
       REMOTE CONTROL
       STATIONKEEPING
     % SYSTEMS
       TRAJECTORY CONTROL
       VISUAL CONTROL

GUIDANCE SENSORS
  0903 2309
  RT   ATTITUDE CONTROL
       IMAGE DISSECTOR TUBES
       OPTICAL MEASURING INSTRUMENTS
     % SENSORS
       SOLAR SENSORS
       SPACECRAFT INSTRUMENTS
       STAR TRACKERS

GUIDE VANES
  0101 0104
  UF   JETAVATORS
  GS   CONTROL SURFACES
       #GUIDE VANES
       ..JET VANES
       VANES
       #GUIDE VANES
       ..JET VANES
  RT   AIRFOILS
       HYDROFOILS
       THRUST VECTOR CONTROL

GUIDED MISSILE SUBMARINES
  3401
  UF   POLARIS SUBMARINES
  GS   WATER VEHICLES
       .SHIPS
       ..SUBMARINES
       ..#GUIDED MISSILE SUBMARINES
       .UNDERWATER VEHICLES
       ..SUBMARINES
       ..#GUIDED MISSILE SUBMARINES
  RT   FLEET BALLISTIC MISSILES
       POSEIDON MISSILES

GUINEA
  1305
  GS   NATIONS
       #GUINEA
  RT   AFRICA

GUINEA PIGS
  0402 1106
  GS   ANIMALS
       .VERTEBRATES
       ..MAMMALS
       ...RODENTS
       ...#GUINEA PIGS

GULF OF ALASKA
  1305 1310
  GS   GULFS
       #GULF OF ALASKA
  RT   ALASKA
       PACIFIC OCEAN

GULF OF CALIFORNIA (MEXICO)
  1305
  GS   GULFS
       #GULF OF CALIFORNIA (MEXICO)
  RT   MEXICO
       PACIFIC OCEAN

GULF OF MEXICO
  1305
  GS   GULFS
       #GULF OF MEXICO
  RT   ALABAMA
       CARIBBEAN SEA
       FLORIDA
       LOUISIANA
       MEXICO
       MISSISSIPPI
       RIO GRANDE (NORTH AMERICA)
       TEXAS

GULF STREAM
  1310
  GS   CIRCULATION
       .WATER CIRCULATION
       ..WATER CURRENTS
       ...OCEAN CURRENTS
       ...#GULF STREAM
  RT   ATLANTIC OCEAN
       CARIBBEAN SEA
       LOMONOSOV CURRENT
       SARGASSO SEA
       TOPEX

GULFS
  1310 1306
  GS  #GULFS
       .GULF OF ALASKA
       .GULF OF CALIFORNIA (MEXICO)
       .GULF OF MEXICO
       .PERSIAN GULF
  RT   BAYS (TOPOGRAPHIC FEATURES)
       DELAWARE BAY (US)
       INLETS (TOPOGRAPHY)
       TOPOGRAPHY

GULLIVER PROGRAM
  0401 3409
  GS   PROGRAMS
       #GULLIVER PROGRAM
```

```
  RT   EXTRATERRESTRIAL LIFE
       SPACE EXPLORATION

GUM NEBULA
  3001 3009
  GS   CELESTIAL BODIES
       .NEBULAE
       .#GUM NEBULA
  RT   GALAXIES
       IRREGULAR GALAXIES
       ORION NEBULA

GUM VULCANIZATES
  USE  VULCANIZED ELASTOMERS

GUMBEL THEORY
  USE  RANGE (EXTREMES)

GUMS (SUBSTANCES)
  0403 0404 1805
  GS  #GUMS (SUBSTANCES)
       .ROSIN
  RT   CHITIN
       POLYSACCHARIDES
       RUBBER
       TARS

GUN LAUNCHERS
  1104 3302
  SN   (LIMITED TO ORDNANCE DEVICES FOR
       FIRING MISSILES AND ROCKETS WITH
       INITIAL ATTITUDE CONTROL)
  GS   LAUNCHERS
       #GUN LAUNCHERS
  RT   ARTILLERY
     % BARRELS
       GUNFIRE
       HOWITZERS
       HYPERVELOCITY LAUNCHERS
       MISSILE LAUNCHERS
       ROCKET CATAPULTS
       ROCKET LAUNCHERS
       SABOT PROJECTILES

GUN PROPELLANTS
  0603 3302
  UF   GUNPOWDER
  GS   PROPELLANTS
       #GUN PROPELLANTS
  RT   EXPLOSIVES
       GUNS (ORDNANCE)

GUN TURRETS
  3302
  RT % CUPOLAS
       GUNS (ORDNANCE)
     % TURRET

GUNFIRE
  0408 3302 3401
  RT   ARTILLERY FIRE
       FIRE CONTROL
       FIRING (IGNITING)
       GUN LAUNCHERS
       GUNS (ORDNANCE)
       PROJECTILES

GUNN DIODES
  0903 2309 2602
  GS   ELECTRONIC EQUIPMENT
       .DIODES
       ..SEMICONDUCTOR DIODES
       ..#GUNN DIODES
  RT   GALLIUM ARSENIDES
       NEGATIVE RESISTANCE DEVICES
       SEMICONDUCTOR DEVICES

GUNN EFFECT
  2309 2602 2603
  RT % EFFECTS
       NEGATIVE CONDUCTANCE
       NEGATIVE RESISTANCE DEVICES
       SEMICONDUCTOR DEVICES
       SEMICONDUCTOR LASERS

GUNNERY TRAINING
  0502 3401
  GS   EDUCATION
       #GUNNERY TRAINING
  RT   ARTILLERY
       FIRE CONTROL
       GUNS (ORDNANCE)
       HOWITZERS
       WEAPONS

GUNPOWDER
  USE  GUN PROPELLANTS

% GUNS
  1504 2403 2501 3401
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   CROSSED FIELD GUNS
       ELECTRON GUNS
       GAS GUNS
       GUNS (ORDNANCE)
       HYPERVELOCITY GUNS
       PLASMA GUNS

GUNS (ORDNANCE)
  3401
  UF   CANNONS
  GS   WEAPONS
       #GUNS (ORDNANCE)
       ..ARTILLERY
       ...HOWITZERS
       ..RIFLES
  RT   AMMUNITION
       EXPLOSIVES
       GUN PROPELLANTS
       GUN TURRETS
       GUNFIRE
       GUNNERY TRAINING
     % GUNS
       HEAT OF COMBUSTION
       HYPERVELOCITY GUNS
       INCENDIARY AMMUNITION
       PROJECTILES
       PROPELLANTS
       SABOT PROJECTILES

GUST ALLEVIATORS
  0102 0202
  RT   DEFLECTORS
       GUSTS
       MISSION ADAPTIVE WINGS
       SPOILERS
       TURBULENT FLOW
       VORTEX ALLEVIATION

GUST LOADS
  0102 2003 2311
  GS   AERODYNAMIC FORCES
       .AERODYNAMIC LOADS
       .#GUST LOADS
       LOADS (FORCES)
       .DYNAMIC LOADS
       ..AERODYNAMIC LOADS
       ..#GUST LOADS
       ..TRANSIENT LOADS
       ..#GUST LOADS
       .RANDOM LOADS
       .#GUST LOADS
  RT   ATMOSPHERIC TURBULENCE
       BLAST LOADS
       GROUND WIND
       GUSTS
       STRUCTURAL DESIGN CRITERIA
       WIND PRESSURE
       WING LOADING

GUSTATORY PERCEPTION
  USE  TASTE
```

GUSTS
1301 2003
GS TURBULENCE
.ATMOSPHERIC TURBULENCE
.#GUSTS
WIND (METEOROLOGY)
#GUSTS
RT CLEAR AIR TURBULENCE
GROUND WIND
GUST ALLEVIATORS
GUST LOADS
SEA BREEZE
STORM DAMAGE
STORMS
STORMS (METEOROLOGY)
VORTEX AVOIDANCE

GUT
USE GRAND UNIFIED THEORY

GUTENBERG ZONE
1306 1308
GS MODELS
#GUTENBERG ZONE
REGIONS
#GUTENBERG ZONE
RT ACOUSTIC VELOCITY
SEISMIC WAVES

GUY WIRES
3203
UF STAYS
GS WIRE
#GUY WIRES
RT ANCHORS (FASTENERS)
STRUCTURAL MEMBERS

GUYANA
1305
UF BRITISH GUINEA
GS NATIONS
#GUYANA
RT CARIBBEAN REGION
SOUTH AMERICA

GYMNASTICS
USE PHYSICAL EXERCISE

GYNECOLOGY
0404 0405
GS MEDICAL SCIENCE
#GYNECOLOGY
RT FEMALES
GENITOURINARY SYSTEM

GYPSUM
0601 1806
GS MINERALS
#GYPSUM
PLASTERS
#GYPSUM
RT CALCIUM
CHALK
ROCKS
SEDIMENTARY ROCKS
SULFATES

GYRALS
USE GYRES

GYRATION
2308
GS #GYRATION
.PRECESSION
..LARMOR PRECESSION
..PROTON PRECESSION
..QUENCHING (ATOMIC PHYSICS)
.REVOLVING
.ROTATION
..AUTOROTATION
..COROTATION
..COUNTER ROTATION
..EARTH ROTATION
..MOLECULAR ROTATION
..MUON SPIN ROTATION
..PLANETARY ROTATION
..SATELLITE ROTATION
..STELLAR ROTATION
...SOLAR ROTATION
RT ANGULAR VELOCITY
% MOTION
SPIN DYNAMICS

GYRATORS
0902 0904
UF TELLEGEN THEORY
GS MICROWAVE EQUIPMENT
#GYRATORS
..MICROWAVE FILTERS
RT FERRITES
MICROWAVE SWITCHING
NETWORK ANALYSIS
% NETWORKS
PHASE SHIFT CIRCUITS
WAVEGUIDES

GYRES
1310
UF GYRALS
RT AIR WATER INTERACTIONS
COASTAL CURRENTS
CORIOLIS EFFECT
OCEAN CURRENTS
OCEANOGRAPHY

GYRO HORIZONS
1403 2102 2308
GS DISPLAY DEVICES
#GYRO HORIZONS
FLIGHT INSTRUMENTS
.ATTITUDE INDICATORS
.#GYRO HORIZONS
GYROSCOPES
.ATTITUDE GYROS
.#GYRO HORIZONS
MEASURING INSTRUMENTS
.INDICATING INSTRUMENTS
..ATTITUDE INDICATORS
..#GYRO HORIZONS
NAVIGATION AIDS
.NAVIGATION INSTRUMENTS
..ATTITUDE INDICATORS
..#GYRO HORIZONS
RT HORIZON

GYROCOMPASSES
1403 1406 2102
GS GYROSCOPES
#GYROCOMPASSES
MEASURING INSTRUMENTS
.INDICATING INSTRUMENTS
..COMPASSES
..#GYROCOMPASSES
NAVIGATION AIDS
.NAVIGATION INSTRUMENTS
..COMPASSES
..#GYROCOMPASSES
RT MAGNETIC COMPASSES
RADIO DIRECTION FINDERS
SOLAR COMPASSES

GYRODAMPERS
1902
RT CONTROL MOMENT GYROSCOPES
GIMBALS
GYROSCOPIC STABILITY
STRUCTURAL VIBRATION
VIBRATION DAMPING

GYRODYNE AIRCRAFT
0206 0207
GS #GYRODYNE AIRCRAFT
.QH-50 HELICOPTER
RT % AIRCRAFT

GYRODYNE DSN-3 HELICOPTER
USE QH-50 HELICOPTER

GYRODYNE MILITARY AIRCRAFT
USE QH-50 HELICOPTER

GYROFREQUENCY
2307 2403 2405
GS MAGNETIC PROPERTIES
.GYROMAGNETISM
.#GYROFREQUENCY
RT CHARGED PARTICLES
MAGNETOIONICS

GYROINTERACTION
USE MAGNETIC RIGIDITY

GYROMAGNETISM
2304 2305 2307
GS MAGNETIC PROPERTIES
#GYROMAGNETISM
..GYROFREQUENCY
RT LARMOR RADIUS

GYROPLANES
USE HELICOPTERS

GYROS
USE GYROSCOPES

GYROSCOPE FLUIDS
1403 2102
RT DAMPING
% FLUIDS
ROTARY GYROSCOPES
SUSPENDING (HANGING)

GYROSCOPES
1403 2104
UF GYROS
GYROSCOPIC DRIFT
GYROSTATS
GS #GYROSCOPES
.ATTITUDE GYROS
..GYRO HORIZONS
.CONTROL MOMENT GYROSCOPES
.CRYOGENIC GYROSCOPES
.ELECTROSTATIC GYROSCOPES
.GYROCOMPASSES
.GYROSCOPIC PENDULUMS
.GYROSTABILIZERS
.LASER GYROSCOPES
.NUCLEAR GYROSCOPES
.OPTICAL GYROSCOPES
.ROTARY GYROSCOPES
..FLUID ROTOR GYROSCOPES
.TUNING FORK GYROSCOPES
RT AUTOMATIC PILOTS
GIMBALLESS INERTIAL NAVIGATION
GIMBALS
GRAVITY PROBE B
GYROSCOPIC STABILITY
PRECESSION
% STABILIZERS
TORQUERS

GYROSCOPIC COUPLING
2308 2405 3407
GS COUPLING
#GYROSCOPIC COUPLING
RT NAVIGATION

GYROSCOPIC DRIFT
USE GYROSCOPES
GYROSCOPIC STABILITY

GYROSCOPIC PENDULUMS
1403 2308
UF PENDULOUS GYROSCOPES
GS GYROSCOPES
#GYROSCOPIC PENDULUMS
OSCILLATORS
.MECHANICAL OSCILLATORS
..PENDULUMS
..#GYROSCOPIC PENDULUMS
RT ACCELEROMETERS
DAMPING
SCHULER TUNING

GYROSCOPIC STABILITY
1403 2308
UF GYROSCOPIC DRIFT
GS DYNAMIC CHARACTERISTICS
.DYNAMIC STABILITY
..MOTION STABILITY
...ATTITUDE STABILITY
....DIRECTIONAL STABILITY
....#GYROSCOPIC STABILITY
...ROTARY STABILITY
...#GYROSCOPIC STABILITY
STABILITY
.DYNAMIC STABILITY
..MOTION STABILITY
...ATTITUDE STABILITY
....DIRECTIONAL STABILITY
....#GYROSCOPIC STABILITY
...ROTARY STABILITY
...#GYROSCOPIC STABILITY
RT DAMPING
GYRODAMPERS
GYROSCOPES
HOVERING STABILITY
INERTIAL PLATFORMS
PRECESSION
ROTARY GYROSCOPES
SCHULER TUNING
SEA KEEPING
STABILIZED PLATFORMS
STABLE OSCILLATIONS
YO-YO DEVICES

GYROSTABILIZERS
1403 2308
GS GYROSCOPES
#GYROSTABILIZERS
RT NAVIGATION AIDS
SEA KEEPING
STABILIZED PLATFORMS
THRUST VECTOR CONTROL

GYROSTATS
USE GYROSCOPES

GYROTRONS
USE CYCLOTRON RESONANCE DEVICES

GYROTROPISM
0710 2304 3408
GS TROPISM
#GYROTROPISM
RT ELECTROMAGNETIC PROPERTIES
FREQUENCY SHIFT

H ALPHA LINE
1411 2402 2903 3009
GS SPECTRA
.RADIATION SPECTRA
..ELECTROMAGNETIC SPECTRA
...LINE SPECTRA
....H LINES
....#H ALPHA LINE
RT ABSORPTION SPECTRA
EMISSION SPECTRA
H II REGIONS
SOLAR SPECTRA

H BETA LINE
1411 2402 2405 3009
GS SPECTRA
.RADIATION SPECTRA
..ELECTROMAGNETIC SPECTRA
...LINE SPECTRA
....H LINES
....#H BETA LINE
RT ABSORPTION SPECTRA

```
        BALMER SERIES
        EMISSION SPECTRA
        SOLAR SPECTRA

H GAMMA LINE
  1411 2402 2406 3009
  GS    SPECTRA
        .RADIATION SPECTRA
        ..ELECTROMAGNETIC SPECTRA
        ...LINE SPECTRA
        ....H LINES
        ....#H GAMMA LINE
  RT    ABSORPTION SPECTRA
        BALMER SERIES
        EMISSION SPECTRA
        SOLAR SPECTRA

H I REGIONS
  3001 3009
  GS    CELESTIAL BODIES
        .NEBULAE
        .#H I REGIONS
        HYDROGEN CLOUDS
        #H I REGIONS
  RT %  CLOUDS
        HYDROGEN ATOMS
        INTERSTELLAR GAS
        INTERSTELLAR MATTER
        NEUTRAL ATOMS
        NEUTRAL GASES
        RADIO SPECTRA

H II REGIONS
  3001 3009
  GS    CELESTIAL BODIES
        .NEBULAE
        .#H II REGIONS
        HYDROGEN CLOUDS
        #H II REGIONS
  RT %  CLOUDS
        EMISSION SPECTRA
        H ALPHA LINE
        HYDROGEN IONS
        INTERSTELLAR GAS
        INTERSTELLAR MATTER
        IONIZED GASES

H LINES
  2308 2402 3009
  SN    (EXCLUDES SURFACES OF CONSTANT
        MAGNETIC FIELD STRENGTH)
  GS    SPECTRA
        .RADIATION SPECTRA
        ..ELECTROMAGNETIC SPECTRA
        ...LINE SPECTRA
        ...#H LINES
        .....H ALPHA LINE
        .....H BETA LINE
        .....H GAMMA LINE
  RT    ABSORPTION SPECTRA
        BALMER SERIES
        D LINES
        EMISSION SPECTRA
        K LINES
        LYMAN SPECTRA
        PASCHEN SERIES
        RYDBERG SERIES
        SOLAR SPECTRA
        TELLURIC LINES

H WAVES
  2308 2402 3009
  GS    ELECTROMAGNETIC RADIATION
        #H WAVES
        OSCILLATIONS
        .TRANSVERSE OSCILLATION
        .#H WAVES
        TRANSVERSE WAVES
        #H WAVES
  RT    ELECTRIC FIELD STRENGTH

H-INFINITY CONTROL
  1003 1902 1904 2102 3006
  GS    AUTOMATIC CONTROL
        .OPTIMAL CONTROL
        .#H-INFINITY CONTROL
        OPTIMIZATION
        .OPTIMAL CONTROL
        .#H-INFINITY CONTROL
  RT    CONTROL SYSTEMS DESIGN
        CONTROL THEORY
        CONTROLLERS
        FEEDBACK CONTROL
        LINEAR QUADRATIC GAUSSIAN CONTROL

H-1 ENGINE
  2808
  GS    ENGINES
        .ROCKET ENGINES
        ..BOOSTER ROCKET ENGINES
        ..#H-1 ENGINE
        ..LIQUID PROPELLANT ROCKET ENGINES
        ..#H-1 ENGINE
  RT    SATURN 1 LAUNCH VEHICLES
        SATURN 1B LAUNCH VEHICLES

H-13 HELICOPTER
  USE   OH-13 HELICOPTER

H-17 HELICOPTER
  0206
  UF    FLYING CRANE HELICOPTER
  GS    HUGHES AIRCRAFT
        #H-17 HELICOPTER
        JET AIRCRAFT
        #H-17 HELICOPTER
        RESEARCH AIRCRAFT
        #H-17 HELICOPTER
        V/STOL AIRCRAFT
        .ROTARY WING AIRCRAFT
        ..HELICOPTERS
        ..#H-17 HELICOPTER
  RT %  AIRCRAFT

H-19 HELICOPTER
  0206 0207
  GS    PASSENGER AIRCRAFT
        #H-19 HELICOPTER
        SIKORSKY AIRCRAFT
        #H-19 HELICOPTER
        TRANSPORT AIRCRAFT
        #H-19 HELICOPTER
        V/STOL AIRCRAFT
        .ROTARY WING AIRCRAFT
        ..HELICOPTERS
        ...MILITARY HELICOPTERS
        ...#H-19 HELICOPTER
  RT %  AIRCRAFT

H-21 HELICOPTER
  USE   CH-21 HELICOPTER

H-23 HELICOPTER
  USE   OH-23 HELICOPTER

H-25 HELICOPTER
  0206
  GS    BOEING AIRCRAFT
        #H-25 HELICOPTER
        V/STOL AIRCRAFT
        .ROTARY WING AIRCRAFT
        ..HELICOPTERS
        ...TANDEM ROTOR HELICOPTERS
        ...#H-25 HELICOPTER
  RT    ANTISUBMARINE WARFARE AIRCRAFT

H-34 HELICOPTER
  USE   CH-34 HELICOPTER

H-43 HELICOPTER
  0206 0207
  GS    KAMAN AIRCRAFT
        #H-43 HELICOPTER
        V/STOL AIRCRAFT
        .ROTARY WING AIRCRAFT
```

..HELICOPTERS
...MILITARY HELICOPTERS
...#H-43 HELICOPTER
RT % AIRCRAFT

H-51 HELICOPTER
USE XH-51 HELICOPTER

H-53 HELICOPTER
0206 0207
UF CH-53 HELICOPTER
HHX HELICOPTER
SIKORSKY S-65 HELICOPTER
GS PASSENGER AIRCRAFT
#H-53 HELICOPTER
SIKORSKY AIRCRAFT
#H-53 HELICOPTER
TRANSPORT AIRCRAFT
#H-53 HELICOPTER
V/STOL AIRCRAFT
.ROTARY WING AIRCRAFT
..HELICOPTERS
...MILITARY HELICOPTERS
...#H-53 HELICOPTER
RT % AIRCRAFT

H-54 HELICOPTER
0206 0207
GS V/STOL AIRCRAFT
.ROTARY WING AIRCRAFT
..HELICOPTERS
...MILITARY HELICOPTERS
...#H-54 HELICOPTER
RT % AIRCRAFT

H-56 HELICOPTER
0206 0207
GS PASSENGER AIRCRAFT
#H-56 HELICOPTER
SIKORSKY AIRCRAFT
#H-56 HELICOPTER
TRANSPORT AIRCRAFT
#H-56 HELICOPTER
V/STOL AIRCRAFT
.ROTARY WING AIRCRAFT
..HELICOPTERS
...MILITARY HELICOPTERS
...#H-56 HELICOPTER
RT % AIRCRAFT

H-60 HELICOPTER
0206
UF BLACK HAWK ASSAULT HELICOPTER
GS SIKORSKY AIRCRAFT
#H-60 HELICOPTER
V/STOL AIRCRAFT
.ROTARY WING AIRCRAFT
..HELICOPTERS
...MILITARY HELICOPTERS
...#H-60 HELICOPTER
RT % AIRCRAFT
% MILITARY AIRCRAFT

H-126 AIRCRAFT
0207
UF HUNTING H-126 AIRCRAFT
GS BAC AIRCRAFT
#H-126 AIRCRAFT
JET AIRCRAFT
#H-126 AIRCRAFT
MONOPLANES
#H-126 AIRCRAFT
RESEARCH AIRCRAFT
#H-126 AIRCRAFT
RT % AIRCRAFT
JET FLAPS

HABITABILITY
0504 0506 0507
RT ECOLOGY
ENVIRONMENTAL CONTROL
ENVIRONMENTS
SHELTERS

HABITATS
1305 0402 0409 1305 1310
SN (LIMITED TO PLANTS AND ANIMALS)
GS REGIONS
#HABITATS
RT ANIMALS
% BIOLOGY
BOTANY
CONSERVATION
EARTH RESOURCES
ECOLOGY
ENDANGERED SPECIES
ENVIRONMENT EFFECTS
ENVIRONMENTS
WILDLIFE

HABITS
0408 0410
RT LEARNING
PSYCHOLOGICAL FACTORS

HABITUATION (LEARNING)
0408 0410
GS LEARNING
#HABITUATION (LEARNING)
RT CONDITIONING (LEARNING)

HADRONS
2403
GS PARTICLES
.ELEMENTARY PARTICLES
.#HADRONS
...BARYONS
....OMEGA-MESONS
....RHO-MESONS
....SIGMA-MESONS
...MESONS
....KAONS
....MUONS
....OMEGA-MESONS
....VECTOR MESONS
.....RHO-MESONS
.....SIGMA-MESONS
RT CHARM (PARTICLE PHYSICS)
FLAVOR (PARTICLE PHYSICS)
PARTONS
QUARK PARTON MODEL
VECTOR DOMINANCE MODEL

HAFNIUM
0603 1703
GS CHEMICAL ELEMENTS
#HAFNIUM
..HAFNIUM ISOTOPES
METALS
.TRANSITION METALS
.#HAFNIUM
...HAFNIUM ISOTOPES

HAFNIUM ALLOYS
0603 1701 1703
GS ALLOYS
#HAFNIUM ALLOYS
RT HEAT RESISTANT ALLOYS
NIOBIUM ALLOYS
TANTALUM ALLOYS
TUNGSTEN ALLOYS
ZIRCONIUM ALLOYS

HAFNIUM CARBIDES
0603 1703 1804 2304
GS CARBON COMPOUNDS
.CARBIDES
.#HAFNIUM CARBIDES
HAFNIUM COMPOUNDS
#HAFNIUM CARBIDES

HAFNIUM COMPOUNDS
0603 1703 1804
GS #HAFNIUM COMPOUNDS
.HAFNIUM CARBIDES

.HAFNIUM IODIDES
.HAFNIUM OXIDES
RT % CHEMICAL COMPOUNDS
% GROUP 4B COMPOUNDS
% METAL COMPOUNDS

HAFNIUM IODIDES
0603 1804
GS HAFNIUM COMPOUNDS
#HAFNIUM IODIDES
HALOGEN COMPOUNDS
.HALIDES
..METAL HALIDES
..#HAFNIUM IODIDES
.IODINE COMPOUNDS
..IODIDES
..#HAFNIUM IODIDES

HAFNIUM ISOTOPES
0603 1703 1704 2406
GS CHEMICAL ELEMENTS
.HAFNIUM
.#HAFNIUM ISOTOPES
.NUCLIDES
..ISOTOPES
..#HAFNIUM ISOTOPES
METALS
.TRANSITION METALS
..HAFNIUM
..#HAFNIUM ISOTOPES

HAFNIUM OXIDES
0603 1703 1804
GS CHALCOGENIDES
.OXIDES
..METAL OXIDES
..#HAFNIUM OXIDES
HAFNIUM COMPOUNDS
#HAFNIUM OXIDES

HAIL
1301 2001 2003
UF HAILSTONES
GS PRECIPITATION (METEOROLOGY)
#HAIL
RT CLOUD GLACIATION
GRAUPEL
HAILSTORMS
ICE FORMATION
STORMS (METEOROLOGY)
THUNDERSTORMS

HAILSTONES
USE HAIL

HAILSTORMS
1308 2001 2003
GS STORMS
.STORMS (METEOROLOGY)
.#HAILSTORMS
RT CLIMATOLOGY
GRAUPEL
HAIL
METEOROLOGY
PRECIPITATION (METEOROLOGY)
RAINSTORMS
STORM DAMAGE
STORM ENHANCEMENT
STORM SUPPRESSION
THUNDERSTORMS

HAIR
0403 0405
GS FIBERS
#HAIR
RT KERATINS
SKIN (ANATOMY)
WOOL

HAIRPIN VORTICES
USE HORSESHOE VORTICES

HAITI
1305
GS LANDFORMS
.ISLANDS
..WEST INDIES
..#HAITI
NATIONS
#HAITI
RT CARIBBEAN REGION
CARIBBEAN SEA

HAL/S (LANGUAGE)
0802
GS LANGUAGES
.PROGRAMMING LANGUAGES
.#HAL/S (LANGUAGE)
RT COMPUTER PROGRAMMING
COMPUTERS

HALDEN BOILING WATER REACTOR
2204
UF HALDEN REACTOR
HBWR REACTOR
GS NUCLEAR REACTORS
.LIQUID COOLED REACTORS
..WATER COOLED REACTORS
...BOILING WATER REACTORS
...#HALDEN BOILING WATER REACTOR

HALDEN REACTOR
USE HALDEN BOILING WATER REACTOR

HALF CONES
0101 0102
RT AERODYNAMIC CONFIGURATIONS
CIRCULAR CONES
CONES
CONICS
NOSE CONES

HALF LIFE
2401 2406
GS LIFE (DURABILITY)
#HALF LIFE
RT DECAY
NUCLEAR REACTIONS
POST-BLAST NUCLEAR RADIATION
RADIATIVE LIFETIME
RADIOACTIVE AGE DETERMINATION
RADIOACTIVE DECAY
RADIOACTIVITY
REACTION KINETICS

HALF PLANES
1902
GS ANALYSIS (MATHEMATICS)
#HALF PLANES
RT BOUNDARY VALUE PROBLEMS
COORDINATES
DIFFERENTIAL EQUATIONS
GREEN'S FUNCTIONS

HALF SPACES
1902
GS ANALYSIS (MATHEMATICS)
#HALF SPACES
RT BOUNDARY VALUE PROBLEMS
COORDINATES
ELLIPTIC DIFFERENTIAL EQUATIONS
FRACTALS
GREEN'S FUNCTIONS

HALIDES
0603 1804 1808
GS HALOGEN COMPOUNDS
#HALIDES
..BROMIDES
...AMMONIUM BROMIDES
...CESIUM BROMIDES
...CHROMIUM BROMIDES
...DIBROMIDES
...HYDROBROMIC ACID
...HYDROBROMIDES

...MAGNESIUM BROMIDES
...POTASSIUM BROMIDES
...SILVER BROMIDES
...SODIUM BROMIDES
...STRONTIUM BROMIDES
..CHLORIDES
...ALUMINUM CHLORIDES
...AMMONIUM CHLORIDES
...BERYLLIUM CHLORIDES
...BORON CHLORIDES
...CADMIUM CHLORIDES
...CALCIUM CHLORIDES
...CARBON TETRACHLORIDE
...COPPER CHLORIDES
...DICHLORIDES
...GERMANIUM CHLORIDES
...HYDROCHLORIDES
...HYDROGEN CHLORIDES
....HYDROCHLORIC ACID
...IRON CHLORIDES
...LANTHANUM CHLORIDES
...LEAD CHLORIDES
...LITHIUM CHLORIDES
...MAGNESIUM CHLORIDES
...NITROSYL CHLORIDES
...NITROXYCHLORIDES
...NITRYL CHLORIDES
...PHOSGENE
...POTASSIUM CHLORIDES
...SILICON TETRACHLORIDE
...SILVER CHLORIDES
...SODIUM CHLORIDES
...SULFUR CHLORIDES
...TETRACHLORIDES
...TITANIUM CHLORIDES
...TUNGSTEN CHLORIDES
...ZINC CHLORIDES
..FLUORIDES
...ANTIMONY FLUORIDES
...BARIUM FLUORIDES
...BORON FLUORIDES
...CHLORINE FLUORIDES
...DIFLUORIDES
....CALCIUM FLUORIDES
.....FLUORSPAR
...HYDROFLUORIC ACID
...NITROGEN FLUORIDES
...OXYFLUORIDES
...OXYGEN FLUORIDES
...OZONE FLUORIDE
...PERCHLORYL FLUORIDES
...SULFUR FLUORIDES
....SULFUR HEXAFLUORIDE
...TECHNETIUM FLUORIDES
..METAL HALIDES
...ALKALI HALIDES
....CESIUM HALIDES
.....CESIUM BROMIDES
.....CESIUM FLUORIDES
.....CESIUM IODIDES
....POTASSIUM IODIDES
....SODIUM BROMIDES
....SODIUM CHLORIDES
....SODIUM FLUORIDES
....SODIUM IODIDES
...ALUMINUM CHLORIDES
...BARIUM FLUORIDES
...BERYLLIUM CHLORIDES
...CADMIUM CHLORIDES
...CALCIUM CHLORIDES
...CHROMIUM BROMIDES
...COPPER CHLORIDES
...HAFNIUM IODIDES
...IRON CHLORIDES
...LANTHANUM CHLORIDES
...LEAD CHLORIDES
...LITHIUM CHLORIDES
...MAGNESIUM BROMIDES
...NIOBIUM IODIDES
...POTASSIUM BROMIDES
...POTASSIUM CHLORIDES
...SILVER HALIDES
....SILVER BROMIDES
....SILVER CHLORIDES
....SILVER IODIDES
...STRONTIUM BROMIDES
...TECHNETIUM FLUORIDES
...TITANIUM CHLORIDES
...TUNGSTEN HALIDES
....TUNGSTEN CHLORIDES
....TUNGSTEN FLUORIDES
...ZINC CHLORIDES
...ZIRCONIUM IODIDES
..OXYHALIDES
RT HALOGENS
MOLTEN SALTS
NITROSYLS

HALITES
0603 1806
UF ROCK SALT
RT MOLTEN SALTS
% SALTS

HALL ACCELERATORS
2401 2405
RT % ACCELERATORS
ALPHA PLASMA DEVICES
MAGNETOHYDRODYNAMICS
PLASMA PHYSICS

HALL COEFFICIENT
USE HALL EFFECT

HALL CURRENTS
USE ELECTRIC CURRENT
HALL EFFECT

HALL EFFECT
2304 2402
UF HALL COEFFICIENT
HALL CURRENTS
RT CARRIER MOBILITY
% EFFECTS
GALVANOMAGNETIC EFFECTS
MAGNETOHYDRODYNAMICS
MOBILITY
POLARIZATION (CHARGE SEPARATION)
SEMICONDUCTOR DEVICES
TRANSPORT PROPERTIES

HALL GENERATORS
2304 2402
RT CIRCULATORS (PHASE SHIFT CIRCUITS)
FARADAY EFFECT
% GENERATORS
PLASMA GENERATORS
SIGNAL GENERATORS

HALLAM NUCLEAR POWER FACILITY
2202 2204
UF HNPF (HALLAM NUCLEAR POWER FACILITY)
GS ELECTRIC POWER PLANTS
.NUCLEAR POWER PLANTS
.#HALLAM NUCLEAR POWER FACILITY
NUCLEAR ELECTRIC POWER GENERATION
.NUCLEAR POWER PLANTS
.#HALLAM NUCLEAR POWER FACILITY
RT % POWER PLANTS
SODIUM GRAPHITE REACTORS

HALLEY'S COMET
1901 3001
GS CELESTIAL BODIES
.COMETS
.#HALLEY'S COMET
RT GIOTTO MISSION
SOLAR SYSTEM
VEGA PROJECT

HALLUCINATIONS
0408
GS PSYCHOLOGICAL EFFECTS
.ILLUSIONS

```
        .#HALLUCINATIONS
  RT    SIGNS AND SYMPTOMS

HALO ORBIT SPACE STATION
  3009 3109 3409
  GS    ARTIFICIAL SATELLITES
        .SPACE STATIONS
        .#HALO ORBIT SPACE STATION
        STATIONS
        .SPACE STATIONS
        .#HALO ORBIT SPACE STATION
  RT    LUNAR SPACECRAFT

HALOCARBONS
  0603
  GS    CARBON COMPOUNDS
        #HALOCARBONS
        ..CHLOROCARBONS
        ..FLUOROCARBONS
        HALOGEN COMPOUNDS
        #HALOCARBONS
        ..CHLOROCARBONS
        ..FLUOROCARBONS
  RT    BROMINE COMPOUNDS
      % CHEMICAL COMPOUNDS
        CHLORINE COMPOUNDS
        FLUORINE COMPOUNDS
        FLUORO COMPOUNDS
        IODINE COMPOUNDS

HALOE
  USE   HALOGEN OCCULTATION EXPERIMENT

HALOGEN COMPOUNDS
  0603 1804
  UF    GROUP 7A COMPOUNDS
  GS   #HALOGEN COMPOUNDS
        .BROMINE COMPOUNDS
        ..BROMATES
        ..BROMIDES
        ...AMMONIUM BROMIDES
        ...CESIUM BROMIDES
        ...CHROMIUM BROMIDES
        ...DIBROMIDES
        ...HYDROBROMIC ACID
        ...HYDROBROMIDES
        ...MAGNESIUM BROMIDES
        ...POTASSIUM BROMIDES
        ...SILVER BROMIDES
        ...SODIUM BROMIDES
        ...STRONTIUM BROMIDES
        .CHLORINE COMPOUNDS
        ..CHLORATES
        ..CHLORIDES
        ...ALUMINUM CHLORIDES
        ...AMMONIUM CHLORIDES
        ...BERYLLIUM CHLORIDES
        ...BORON CHLORIDES
        ...CADMIUM CHLORIDES
        ...CALCIUM CHLORIDES
        ...CARBON TETRACHLORIDE
        ...COPPER CHLORIDES
        ...DICHLORIDES
        ...GERMANIUM CHLORIDES
        ...HYDROCHLORIDES
        ...IRON CHLORIDES
        ...LANTHANUM CHLORIDES
        ...LEAD CHLORIDES
        ...LITHIUM CHLORIDES
        ...MAGNESIUM CHLORIDES
        ...NITROSYL CHLORIDES
        ...NITROXYCHLORIDES
        ...NITRYL CHLORIDES
        ...PHOSGENE
        ...POTASSIUM CHLORIDES
        ...SILICON TETRACHLORIDE
        ...SILVER CHLORIDES
        ...SODIUM CHLORIDES
        ...SULFUR CHLORIDES
        ...TETRACHLORIDES
        ...TITANIUM CHLORIDES
        ...TUNGSTEN CHLORIDES
        ...ZINC CHLORIDES
        ..CHLORINE FLUORIDES
        ..CHLORINE OXIDES
        ..CHLOROCARBONS
        ..CHLOROSILANES
        ..DDT
        ..MECLIZINE
        ..PERCHLORATES
        ...ALUMINUM PERCHLORATES
        ...AMMONIUM PERCHLORATES
        ...HYDRAZINE PERCHLORATES
        ...HYDROGEN PERCHLORATE
        ...HYDROXYLAMMONIUM PERCHLORATES
        ...LITHIUM PERCHLORATES
        ...MAGNESIUM PERCHLORATES
        ...NITRONIUM PERCHLORATE
        ...POTASSIUM PERCHLORATES
        .FLUORINE COMPOUNDS
        ..FLUORIDES
        ...ANTIMONY FLUORIDES
        ...BARIUM FLUORIDES
        ...BORON FLUORIDES
        ...CHLORINE FLUORIDES
        ...COMPOUND A
        ...CRYOLITE
        ...DEUTERIUM FLUORIDES
        ...DIFLUORIDES
        ....CALCIUM FLUORIDES
        .....FLUORSPAR
        ...HYDROFLUORIC ACID
        ...METAL FLUORIDES
        ....ALUMINUM FLUORIDES
        ....BERYLLIUM FLUORIDES
        ....CADMIUM FLUORIDES
        ....CALCIUM FLUORIDES
        ....CESIUM FLUORIDES
        ....CHROMIUM FLUORIDES
        ....COBALT FLUORIDES
        ....COPPER FLUORIDES
        ....LANTHANUM FLUORIDES
        ....LITHIUM FLUORIDES
        ....MAGNESIUM FLUORIDES
        ....NICKEL FLUORIDES
        ....PLUTONIUM FLUORIDES
        ....PROTACTINIUM FLUORIDES
        ....SODIUM FLUORIDES
        ....STRONTIUM FLUORIDES
        ....THORIUM FLUORIDES
        ....TUNGSTEN FLUORIDES
        ....URANIUM FLUORIDES
        ....ZINC FLUORIDES
        ...NITROGEN FLUORIDES
        ...NITRYL FLUORIDES
        ...OXYFLUORIDES
        ...OXYGEN FLUORIDES
        ...OZONE FLUORIDE
        ...PERCHLORYL FLUORIDES
        ...POLYVINYL FLUORIDE
        ...SULFUR FLUORIDES
        ....SULFUR HEXAFLUORIDE
        ...TECHNETIUM FLUORIDES
        ..FLUORITE
        ..FLUORO COMPOUNDS
        ...CRYOLITE
        ...DIFLUORO COMPOUNDS
        ....PERFLUOROALKANE
        ....POLYTETRAFLUOROETHYLENE
        .....TEFLON (TRADEMARK)
        ...FLUORINE ORGANIC COMPOUNDS
        ....FLUOROAMINES
        .....NITROFLUORAMINES
        .....TRIFLUOROAMINE OXIDE
        ....FLUOROCARBONS
        ....FLUOROHYDROCARBONS
        .....CARBON TETRAFLUORIDE
        .....CHLOROFLUOROMETHANE
        ....KEL-F
        ....PERFLUOROALKANE
        ....PERFLUOROGUANIDINE
        ...FLUOROSILICATES
        ...TETRAFLUOROHYDRAZINE
        .HALIDES
        ..BROMIDES
```

...AMMONIUM BROMIDES
...CESIUM BROMIDES
...CHROMIUM BROMIDES
...DIBROMIDES
...HYDROBROMIC ACID
...HYDROBROMIDES
...MAGNESIUM BROMIDES
...POTASSIUM BROMIDES
...SILVER BROMIDES
...SODIUM BROMIDES
...STRONTIUM BROMIDES
..CHLORIDES
...ALUMINUM CHLORIDES
...AMMONIUM CHLORIDES
...BERYLLIUM CHLORIDES
...BORON CHLORIDES
...CADMIUM CHLORIDES
...CALCIUM CHLORIDES
...CARBON TETRACHLORIDE
...COPPER CHLORIDES
...DICHLORIDES
...GERMANIUM CHLORIDES
...HYDROCHLORIDES
...HYDROGEN CHLORIDES
....HYDROCHLORIC ACID
...IRON CHLORIDES
...LANTHANUM CHLORIDES
...LEAD CHLORIDES
...LITHIUM CHLORIDES
...MAGNESIUM CHLORIDES
...NITROSYL CHLORIDES
...NITROXYCHLORIDES
...NITRYL CHLORIDES
...PHOSGENE
...POTASSIUM CHLORIDES
...SILICON TETRACHLORIDE
...SILVER CHLORIDES
...SODIUM CHLORIDES
...SULFUR CHLORIDES
...TETRACHLORIDES
...TITANIUM CHLORIDES
...TUNGSTEN CHLORIDES
...ZINC CHLORIDES
..FLUORIDES
...ANTIMONY FLUORIDES
...BARIUM FLUORIDES
...BORON FLUORIDES
...CHLORINE FLUORIDES
...DIFLUORIDES
....CALCIUM FLUORIDES
.....FLUORSPAR
...HYDROFLUORIC ACID
...NITROGEN FLUORIDES
...OXYFLUORIDES
...OXYGEN FLUORIDES
...OZONE FLUORIDE
...PERCHLORYL FLUORIDES
...SULFUR FLUORIDES
....SULFUR HEXAFLUORIDE
...TECHNETIUM FLUORIDES
..METAL HALIDES
...ALKALI HALIDES
....CESIUM HALIDES
.....CESIUM BROMIDES
.....CESIUM FLUORIDES
.....CESIUM IODIDES
....POTASSIUM IODIDES
....SODIUM BROMIDES
....SODIUM CHLORIDES
....SODIUM FLUORIDES
....SODIUM IODIDES
...ALUMINUM CHLORIDES
...BARIUM FLUORIDES
...BERYLLIUM CHLORIDES
...CADMIUM CHLORIDES
...CALCIUM CHLORIDES
...CHROMIUM BROMIDES
...COPPER CHLORIDES
...HAFNIUM IODIDES
...IRON CHLORIDES
...LANTHANUM CHLORIDES
...LEAD CHLORIDES
...LITHIUM CHLORIDES
...MAGNESIUM BROMIDES
...NIOBIUM IODIDES
...POTASSIUM BROMIDES
...POTASSIUM CHLORIDES
...SILVER HALIDES
....SILVER BROMIDES
....SILVER CHLORIDES
....SILVER IODIDES
...STRONTIUM BROMIDES
...TECHNETIUM FLUORIDES
...TITANIUM CHLORIDES
...TUNGSTEN HALIDES
....TUNGSTEN CHLORIDES
....TUNGSTEN FLUORIDES
...ZINC CHLORIDES
...ZIRCONIUM IODIDES
..OXYHALIDES
.HALOCARBONS
..CHLOROCARBONS
..FLUOROCARBONS
.IODINE COMPOUNDS
..IODATES
...LITHIUM IODATES
..IODIDES
...CESIUM IODIDES
...GALLAMINE TRIETHIODIDE
...HAFNIUM IODIDES
...NIOBIUM IODIDES
...POTASSIUM IODIDES
...SILVER IODIDES
...SODIUM IODIDES
...ZIRCONIUM IODIDES
..IODOACETIC ACID
.NITROSYLS
..NITROSYL CHLORIDES
RT % CHEMICAL COMPOUNDS

HALOGEN OCCULTATION EXPERIMENT
1304 3009
UF HALOE
GS PAYLOADS
.SPACE SHUTTLE PAYLOADS
.#HALOGEN OCCULTATION EXPERIMENT
RT OZONE

HALOGENATION
0602
GS CHEMICAL REACTIONS
#HALOGENATION
..BROMINATION
..CHLORINATION
..FLUORINATION
RT DEFLUORINATION
HALOGENS

HALOGENS
0603 1807
GS CHEMICAL ELEMENTS
#HALOGENS
..ASTATINE
..BROMINE
...BROMINE ISOTOPES
..CHLORINE
..FLUORINE
...FLUORINE ISOTOPES
..IODINE
...IODINE ISOTOPES
....IODINE 125
....IODINE 131
....IODINE 132
RT EXCIMER LASERS
HALIDES
HALOGENATION

HALOPHILES
0402 0404 0409
RT AGRICULTURE
PLANTS (BOTANY)

HALOS
2306 2310 3001
GS SCATTERING

.WAVE SCATTERING
..ELECTROMAGNETIC SCATTERING
...LIGHT SCATTERING
...#HALOS
TRANSMISSION
.ELECTROMAGNETIC WAVE TRANSMISSION
..LIGHT TRANSMISSION
...LIGHT SCATTERING
...#HALOS
.WAVE PROPAGATION
..LIGHT SCATTERING
..#HALOS
RT ASTRONOMY
ATMOSPHERIC SCATTERING
CORONAS
GALACTIC HALOS
HAZE
IMAGES
RAINBOWS

HALPHEN METHOD
0101 0102 0708 0709 1302 1904 3006
3009
RT % METHODOLOGY

HAMBURGER AIRCRAFT
0207
GS #HAMBURGER AIRCRAFT
.C-160 AIRCRAFT
.HFB-320 AIRCRAFT
RT % AIRCRAFT

HAMBURGER HFB-320 AIRCRAFT
USE HFB-320 AIRCRAFT

HAMILTON-JACOBI EQUATION
1902 3001 3501
RT % EQUATIONS
EQUATIONS OF MOTION
HAMILTONIAN FUNCTIONS
RELATIVISTIC PARTICLES

HAMILTONIAN FUNCTIONS
1903 2311
GS FUNCTIONS (MATHEMATICS)
#HAMILTONIAN FUNCTIONS
RT CLASSICAL MECHANICS
% DYNAMICS
HAMILTON-JACOBI EQUATION
QUANTUM THEORY
VON ZEIPEL METHOD

HAMMERHEAD CONFIGURATION
0101 0102 1202
RT FOREBODIES
MISSILE CONFIGURATIONS

HAMMERS
1507
GS #HAMMERS
.ELECTROMAGNETIC HAMMERS
RT IMPACTORS
PRESSES
RAMS (PRESSES)
TOOLS

HAMSTERS
0402
GS ANIMALS
.VERTEBRATES
..MAMMALS
...RODENTS
...#HAMSTERS

HAND (ANATOMY)
0404 0506
GS ANATOMY
.LIMBS (ANATOMY)
.#HAND (ANATOMY)
...FINGERS
APPENDAGES
#HAND (ANATOMY)
..FINGERS
RT WRIST

HANDBOOKS
3405
GS DOCUMENTS
#HANDBOOKS
..USER MANUALS (COMPUTER PROGRAMS)
RT BIBLIOGRAPHIES
DIRECTORIES
INDEXES (DOCUMENTATION)
MANUALS
SUBJECTS
TEXTBOOKS
TRAINING ANALYSIS

HANDEDNESS
1408 1504 1902 2311
RT LATERAL STABILITY

HANDICAPS
USE DISABILITIES

HANDLES
0506 1502
RT KNOBS
LEVERS
MANUAL CONTROL

HANDLEY PAGE AIRCRAFT
0201 0207
GS #HANDLEY PAGE AIRCRAFT
.HP-115 AIRCRAFT
.VICTOR MK-1 AIRCRAFT
RT % AIRCRAFT

HANDLEY PAGE HP-115 AIRCRAFT
USE HP-115 AIRCRAFT

HANDLING EQUIPMENT
1502
GS #HANDLING EQUIPMENT
.CRANES
..GANTRY CRANES
RT CRAWLER TRACTORS
% EQUIPMENT
GROUND SUPPORT EQUIPMENT
HARBORS
LOCOMOTIVES
PROPELLANT STORAGE
% STORAGE
TRACTORS
TRANSPORTATION

HANDLING QUALITIES
USE CONTROLLABILITY

HANDS (ROBOTICS)
USE END EFFECTORS

HANDWRITING
0506 0802 3405
GS #HANDWRITING
.GRAPHOLOGY
RT CHARACTER RECOGNITION
ORTHOGRAPHY

HANFORD REACTORS
2202 2204
GS NUCLEAR REACTORS
#HANFORD REACTORS
RT REACTOR DESIGN
REACTOR PHYSICS
REACTOR TECHNOLOGY

HANG GLIDERS
0102
GS GLIDERS
#HANG GLIDERS
RT % AIRCRAFT
FLEXIBLE WINGS
FREE FLIGHT
MAN POWERED AIRCRAFT

PARAWINGS
SAILWINGS
SOARING
ULTRALIGHT AIRCRAFT
% WINGED VEHICLES

HANGARS
1101 1103
UF AIRCRAFT HANGARS
RT AIRFIELD SURFACE MOVEMENTS
AIRPORTS
BUILDINGS
GROUND HANDLING
GROUND STATIONS
HELIPORTS
MILITARY AIR FACILITIES

HANKEL FUNCTIONS
1902
GS ANALYSIS (MATHEMATICS)
.COMPLEX VARIABLES
..BESSEL FUNCTIONS
..#HANKEL FUNCTIONS
.REAL VARIABLES
..BESSEL FUNCTIONS
..#HANKEL FUNCTIONS
FUNCTIONS (MATHEMATICS)
#HANKEL FUNCTIONS
RT BOUNDARY VALUE PROBLEMS
DIFFERENTIAL EQUATIONS
ORTHOGONAL FUNCTIONS

HANSEN LUNAR THEORY
1308 3001 3009
RT EARTH ORBITS
ORBITAL MECHANICS
PERTURBATION THEORY
% THEORIES

HAPLOSCOPES
0405
GS MEASURING INSTRUMENTS
.OPTICAL MEASURING INSTRUMENTS
.#HAPLOSCOPES
OPTICAL EQUIPMENT
.OPTICAL MEASURING INSTRUMENTS
.#HAPLOSCOPES
RT ASTIGMATISM
BINOCULAR VISION
EYE EXAMINATIONS
% INSTRUMENTS
OPTOMETRY

HARBORS
1102 1310
GS WATERWAYS
#HARBORS
..ARTIFICIAL HARBORS
RT BOATS
BREAKWATERS
CARGO
DREDGING
ESTUARIES
FREIGHTERS
HANDLING EQUIPMENT
MARINE TRANSPORTATION
OCEANOGRAPHY
% PORTS
REGIONAL PLANNING
SHIP TERMINALS
SHIPS
TANKER SHIPS
TERMINAL FACILITIES
TRAFFIC
% TRAVEL
WATER VEHICLES
WHARVES

HARD COAL
USE ANTHRACITE

HARD LANDING
3004 3007 3009
GS LANDING
#HARD LANDING
RT AIRCRAFT LANDING
CRASH LANDING
LUNAR LANDING
PLANETARY LANDING
SOFT LANDING
SPACECRAFT LANDING
WATER LANDING

HARDENERS
0602 1704 1804 1808
RT ALLOYS
HARDENING (MATERIALS)
HEAT TREATMENT

% HARDENING
1704 3407
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT HARDENING (MATERIALS)
HARDENING (SYSTEMS)

HARDENING (MATERIALS)
1704 3407
UF METAL HARDENING
GS #HARDENING (MATERIALS)
.CARBURIZING
.COLD HARDENING
.HOT PRESSING
..HOT ISOSTATIC PRESSING
.NITRIDING
.PRECIPITATION HARDENING
..MARAGING
.PULSE HEATING
.SHOT PEENING
.SILICONIZING
.WORK HARDENING
..STRAIN HARDENING
RT AGING (MATERIALS)
AGING (METALLURGY)
ANNEALING
COAGULATION
DISPERSION STRENGTHENING
HARDENERS
% HARDENING
HEAT TREATMENT
MARTENSITE
METAL WORKING
% METALLURGY
MICROSTRUCTURE
NORMALIZING (HEAT TREATMENT)
OXIDE DISPERSION STRENGTHENING
PEENING
QUENCHING (COOLING)
% SETTING
SOFTENING
TEMPERING

HARDENING (SYSTEMS)
3407
RT % HARDENING
MISSILE DEFENSE
NUCLEAR WARFARE
% SYSTEMS

HARDNESS
1704 1806 3408
GS MECHANICAL PROPERTIES
#HARDNESS
..KNOOP HARDNESS
..MICROHARDNESS
..ROCKWELL HARDNESS
RT ABRASION RESISTANCE
BRITTLE MATERIALS
BRITTLENESS
CHARPY IMPACT TEST
COLD HARDENING
DUCTILITY
FATIGUE (MATERIALS)
FRACTURE STRENGTH

IMPACT STRENGTH
INDENTATION
NOTCH TESTS
PLASTIC PROPERTIES
SOFTNESS
SURFACE PROPERTIES
TEMPER (METALLURGY)
TOUGHNESS
WEAR
WEAR RESISTANCE

HARDNESS TESTS
1704 1806 3407
RT COMPRESSION TESTS
HIGH TEMPERATURE TESTS
IMPACT TESTS
KNOOP HARDNESS
LOW TEMPERATURE TESTS
% MATERIALS TESTS
NONDESTRUCTIVE TESTS
STATIC TESTS
% TESTS
WEAR TESTS

HARDWARE
0801 1504 1507
RT COMPUTERS
ELECTRONIC MODULES
% EQUIPMENT
FIRMWARE
FIXTURES
TOOLS

HARDWARE DESCRIPTION LANGUAGES
0801 0902 1001
UF HDL (COMPUTERS)
VHDL (COMPUTERS)
GS LANGUAGES
#HARDWARE DESCRIPTION LANGUAGES
RT COMPUTER DESIGN
COMPUTER SYSTEMS SIMULATION
FORMALISM
INTEGRATED CIRCUITS
LOGIC DESIGN
VERY LARGE SCALE INTEGRATION

HARDWARE UTILIZATION LISTS
3405 3406
UF HUL
GS LISTS
#HARDWARE UTILIZATION LISTS
RT % CATALOGS
DOCUMENTS

HARLETON METEORITE
3005
GS CELESTIAL BODIES
.METEORITES
..STONY METEORITES
...CHONDRITES
...#HARLETON METEORITE
RT IRON METEORITES

HARMONIC ANALYSIS
1902 1905
GS ANALYSIS (MATHEMATICS)
.FUNCTIONAL ANALYSIS
.#HARMONIC ANALYSIS
...TESSERAL HARMONICS
...ZONAL HARMONICS
RT BANACH SPACE
FORM FACTORS
FOURIER ANALYSIS
FREQUENCY ANALYZERS
MICROWAVE RESONANCE

HARMONIC CONTROL
2308
RT % CONTROL
HARMONIC OSCILLATION
HARMONICS
HELICOPTER CONTROL
ROTARY WINGS
VIBRATION DAMPING

HARMONIC EXCITATION
2311
GS EXCITATION
.WAVE EXCITATION
.#HARMONIC EXCITATION
HARMONICS
#HARMONIC EXCITATION
RT ACOUSTICS
FOURIER ANALYSIS
SIMPLE HARMONIC MOTION

HARMONIC FUNCTIONS
1902 1905
GS ANALYSIS (MATHEMATICS)
.COMPLEX VARIABLES
.#HARMONIC FUNCTIONS
FUNCTIONS (MATHEMATICS)
#HARMONIC FUNCTIONS
RT AIRY FUNCTION
FOURIER ANALYSIS
LAPLACE EQUATION
MAXIMUM PRINCIPLE

HARMONIC GENERATIONS
0702 2311
GS HARMONICS
#HARMONIC GENERATIONS
RT ACOUSTICS
CARRIER FREQUENCIES
FOURIER ANALYSIS
PHASE MATCHING
WAVE GENERATION

HARMONIC GENERATORS
0904 2311
RT COMPARATORS
FREQUENCY CONVERTERS
% GENERATORS
HARMONICS
OSCILLATORS
SUBHARMONIC GENERATORS

HARMONIC MOTION
2308
GS #HARMONIC MOTION
.SIMPLE HARMONIC MOTION
RT GROUP VELOCITY
% MOTION

HARMONIC OSCILLATION
2308 2311
GS HARMONICS
#HARMONIC OSCILLATION
OSCILLATIONS
#HARMONIC OSCILLATION
RT ACOUSTICS
FOURIER ANALYSIS
HARMONIC CONTROL
TRANSVERSE OSCILLATION

HARMONIC OSCILLATORS
0905 2308
GS OSCILLATORS
#HARMONIC OSCILLATORS
RT HARMONICS
MECHANICAL OSCILLATORS
SUBHARMONIC GENERATORS

HARMONIC RADIATION
2308 2402
RT ELECTROMAGNETIC RADIATION
% RADIATION

HARMONICS
2301 2308 2402
UF OVERTONES
GS #HARMONICS
.HARMONIC EXCITATION
.HARMONIC GENERATIONS
.HARMONIC OSCILLATION

.SIMPLE HARMONIC MOTION
.SPHERICAL HARMONICS
.SUPERHARMONICS
.TESSERAL HARMONICS
.ZONAL HARMONICS
RT ACOUSTICS
CYCLES
FOURIER ANALYSIS
FREQUENCIES
HARMONIC CONTROL
HARMONIC GENERATORS
HARMONIC OSCILLATORS
NODES (STANDING WAVES)
RESONANT FREQUENCIES
SOUND-SOUND INTERACTIONS
STANDING WAVES
SUBAUDIBLE FREQUENCIES
SUBHARMONIC GENERATORS
VIBRATION
WAVELENGTHS

HARNESSES
0202 1103 1504 3203 3404
RT COUCHES
SAFETY DEVICES
SEAT BELTS
SEATS
TRANSMISSION LINES

HARPOON MISSILE
3101 3401
GS MISSILES
.AIR TO SURFACE MISSILES
.#HARPOON MISSILE
RT SURFACE TO SURFACE MISSILES
WEAPON SYSTEMS

HARRIER AIRCRAFT
0207 3401
UF AV-8A AIRCRAFT
AV-8B AIRCRAFT
YAV-8B AIRCRAFT
GS ATTACK AIRCRAFT
.FIGHTER AIRCRAFT
.#HARRIER AIRCRAFT
HAWKER SIDDELEY AIRCRAFT
#HARRIER AIRCRAFT
RT % AIRCRAFT
BUCCANEER AIRCRAFT
% MILITARY AIRCRAFT
P-1127 AIRCRAFT
SAAB 37 AIRCRAFT
VAMPIRE MK 35 AIRCRAFT
VULCAN AIRCRAFT

HARTMANN FLOW
1202
GS FLUID FLOW
.LAMINAR FLOW
.#HARTMANN FLOW
.STEADY FLOW
.#HARTMANN FLOW
RT COUETTE FLOW
MAGNETOHYDRODYNAMIC FLOW
MAGNETOHYDRODYNAMICS
TWO DIMENSIONAL FLOW

HARTMANN NUMBER
1202 1902
GS RATIOS
.DIMENSIONLESS NUMBERS
.#HARTMANN NUMBER
RT MAGNETOHYDRODYNAMICS
VISCOUS DRAG

HARTREE APPROXIMATION
1902 2311 2401 3501
UF HARTREE-APPLETON APPROXIMATION
HARTREE-FOCK APPROXIMATION
GS ANALYSIS (MATHEMATICS)
.NUMERICAL ANALYSIS
..APPROXIMATION
..#HARTREE APPROXIMATION
RT ATOMIC STRUCTURE
MANY BODY PROBLEM
PERTURBATION THEORY
SELF CONSISTENT FIELDS
WAVE FUNCTIONS

HARTREE-APPLETON APPROXIMATION
USE HARTREE APPROXIMATION

HARTREE-FOCK APPROXIMATION
USE HARTREE APPROXIMATION

HARTREE-FOCK-SLATER METHOD
2311
RT ATOMIC PHYSICS
ELECTRON ENERGY
% METHODOLOGY
SLATER ORBITALS

HARVARD RADIO METEOR PROJECT
0702 0705 1404
GS PROGRAMS
.PROJECTS
.#HARVARD RADIO METEOR PROJECT
RT RADIO ECHOES

HASTELLOY (TRADEMARK)
1701 1704
GS ALLOYS
.NICKEL ALLOYS
.#HASTELLOY (TRADEMARK)
RT IRON ALLOYS
MOLYBDENUM ALLOYS

HATCHES
0202 0506
RT AIR LOCKS
DOORS
EGRESS
GATES (OPENINGS)
INGRESS (SPACECRAFT PASSAGEWAY)

HAULING
0201 0204 1103 1502 1504 3407
RT CARGO
DELIVERY
MATERIALS HANDLING
PACKAGING
TRANSPORTATION
TRANSPORTATION ENERGY
TRUCKS

HAWAII
1305
GS LANDFORMS
.ISLANDS
.#HAWAII
NATIONS
.UNITED STATES
.#HAWAII

HAWK MISSILE
3101 3401
GS MISSILES
.SURFACE TO AIR MISSILES
.#HAWK MISSILE
RT SOLID PROPELLANT ROCKET ENGINES

HAWKER HUNTER AIRCRAFT
USE F-2 AIRCRAFT

HAWKER P-1127 AIRCRAFT
USE P-1127 AIRCRAFT

HAWKER P-1154 AIRCRAFT
USE P-1154 AIRCRAFT

HAWKER SIDDELEY AIRCRAFT
0201 0207 1106 3401
GS #HAWKER SIDDELEY AIRCRAFT
.ARGOSY MK-1 AIRCRAFT
.AVRO 707 AIRCRAFT

.BUCCANEER AIRCRAFT
.COMET 4 AIRCRAFT
.DH 112 AIRCRAFT
.DH 115 AIRCRAFT
.DH 121 AIRCRAFT
.DH 125 AIRCRAFT
.F-2 AIRCRAFT
.GA-5 AIRCRAFT
.HARRIER AIRCRAFT
.HS-748 AIRCRAFT
.HS-801 AIRCRAFT
.P-1127 AIRCRAFT
.P-1154 AIRCRAFT
.SHACKLETON BOMBER
.VAMPIRE MK 35 AIRCRAFT
.VULCAN AIRCRAFT
RT % AIRCRAFT

HAWKEYE AIRCRAFT
USE E-2 AIRCRAFT

HAWKEYE SATELLITES
2201 2903 3107
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
.#HAWKEYE SATELLITES

HAWKEYE 1 SATELLITE
USE EXPLORER 52 SATELLITE

HAY
0409
GS FARM CROPS
#HAY
PLANTS (BOTANY)
.GRASSES
.#HAY
RT AGRICULTURE
BOTANY
EARTH RESOURCES
FARMLANDS
% FOOD
GRASSLANDS
LEGUMINOUS PLANTS

HAYNES STELLITE
USE STELLITE (TRADEMARK)

HAZ (METALLURGY)
USE HEAT AFFECTED ZONE

HAZARDOUS MATERIAL DISPOSAL (IN SPACE)
2203
GS DISPOSAL
.WASTE DISPOSAL
.#HAZARDOUS MATERIAL DISPOSAL (IN SPACE)
RT AEROSPACE ENVIRONMENTS
PUBLIC HEALTH
RADIOACTIVE WASTES
TOXICITY AND SAFETY HAZARD

HAZARDS
0411 0412 0502 3302 3401 3406
UF DANGER
NOISE HAZARDS
GS #HAZARDS
.AIRCRAFT HAZARDS
.FLIGHT HAZARDS
..METEOROID HAZARDS
.OPERATIONAL HAZARDS
.RADIATION HAZARDS
.TOXIC HAZARDS
RT ACCIDENT PREVENTION
ACCIDENTS
AIRCRAFT SPIN
AVOIDANCE
CRASH INJURIES
% DETECTORS
EXPLOSIONS
FIRES
FLAMMABLE GASES
INCOMPATIBILITY
INJURIES
LOW VISIBILITY
NOISE TOLERANCE
OCCUPATIONAL DISEASES
PROTECTION
RISK
SABOTAGE
SAFETY
SAFETY DEVICES
SAFETY FACTORS
SAFETY MANAGEMENT
SPACECRAFT BREAKUP
SPONTANEOUS COMBUSTION
TOXICOLOGY
WARNING SYSTEMS

HAZE
1301 2003 2310
RT AIR POLLUTION
ATMOSPHERIC OPTICS
CLARITY
FOG
HALOS
LIGHT TRANSMISSION
LOW VISIBILITY
MIST
OPACITY
OPTICAL PROPERTIES
TRANSPARENCE
TURBIDITY
VISIBILITY

HAZE DETECTION
1301 2003 2310
GS DETECTION
#HAZE DETECTION
RT FOG
FOREST FIRE DETECTION
FUMES
GAS DETECTORS
MIST
REMOTE SENSORS
SMOKE
VAPORS

HBNQ
USE NITROGUANIDINE

HBWR REACTOR
USE HALDEN BOILING WATER REACTOR

HC-1 HELICOPTER
USE CH-47 HELICOPTER

HC-3 HELICOPTER
0204 0206
UF OMNIPOL HC-3 HELICOPTER
GS GENERAL AVIATION AIRCRAFT
#HC-3 HELICOPTER
TRANSPORT AIRCRAFT
#HC-3 HELICOPTER
UTILITY AIRCRAFT
#HC-3 HELICOPTER
V/STOL AIRCRAFT
.ROTARY WING AIRCRAFT
..HELICOPTERS
...MILITARY HELICOPTERS
...#HC-3 HELICOPTER
RT PASSENGER AIRCRAFT

HCL ARGON LASERS
1601
GS STIMULATED EMISSION DEVICES
.LASERS
..GAS LASERS
...HCL LASERS
...#HCL ARGON LASERS

HCL LASERS
1601
UF HYDROGEN CHLORIDE LASERS
GS STIMULATED EMISSION DEVICES

```
        .LASERS
        ..CHEMICAL LASERS
        ..#HCL LASERS
        ..GAS LASERS
        ..#HCL LASERS
        ....HCL ARGON LASERS

HCMM
  USE   HEAT CAPACITY MAPPING MISSION

HCN LASERS
  0603
  UF    HYDROGEN CYANIDE LASERS
  GS    STIMULATED EMISSION DEVICES
        .LASERS
        ..GAS LASERS
        ..#HCN LASERS
  RT    CHEMICAL LASERS
        COHERENT LIGHT
        HYDROCYANIC ACID
        LIGHT AMPLIFIERS
        LIGHT SOURCES
        OPTICAL PUMPING
        STIMULATED EMISSION

HD-1 GROUND EFFECT MACHINES
  USE   HOVERCRAFT GROUND EFFECT MACHINES

HDL (COMPUTERS)
  USE   HARDWARE DESCRIPTION LANGUAGES

HDTV
  USE   HIGH DEFINITION TELEVISION

HEAD (ANATOMY)
  0404 0505
  GS    ANATOMY
        #HEAD (ANATOMY)
        ..SKULL
        ...CRANIUM
        ....INTRACRANIAL CAVITY
        ...MASTOIDS
  RT    BRAIN
        CHIN
        EYE (ANATOMY)
        FACE (ANATOMY)
        FOREHEAD
        LIPS (ANATOMY)
        NOSE (ANATOMY)
        SENSE ORGANS

HEAD (FLUID MECHANICS)
  1202
  GS    FLUID FLOW
        #HEAD (FLUID MECHANICS)
        ..HEAD FLOW
        ..PRESSURE HEADS
  RT    ELEVATION
        GEOPOTENTIAL HEIGHT
        HYDROSTATIC PRESSURE
        HYDROSTATICS
        LIQUID FLOW
        PRESSURE
        SCALE HEIGHT

HEAD (PRESSURE)
  USE   PRESSURE HEADS

HEAD DOWN TILT
  0401 0502 1107 1108 1309 3104
  RT    AEROSPACE MEDICINE
        BED REST
        BIOASTRONAUTICS
        BODY SWAY TEST
        HEMODYNAMIC RESPONSES
        HYPOKINESIA
        ORTHOSTATIC TOLERANCE
        PHYSIOLOGICAL EFFECTS
        VESTIBULAR TESTS
        WEIGHTLESSNESS SIMULATION

HEAD FLOW
  1202 1203 2308
  GS    FLUID FLOW
        .HEAD (FLUID MECHANICS)
        .#HEAD FLOW
  RT    BASE FLOW
        BLASIUS FLOW
        INLET FLOW
        LIQUID FLOW
      % PRESSURE DROP

HEAD MOVEMENT
  0506
  RT    ACCELERATION STRESSES (PHYSIOLOGY)
        AEROSPACE MEDICINE
        EYE MOVEMENTS
      % MOTION
        MOTION SICKNESS
        VESTIBULAR TESTS

HEAD-UP DISPLAYS
  1402
  GS    DISPLAY DEVICES
        #HEAD-UP DISPLAYS
  RT    AVIONICS
        CONSOLES
        FLIGHT INSTRUMENTS
        IMAGE TUBES
        INDICATING INSTRUMENTS
        LANDING AIDS
        NAVIGATION AIDS
        POSITION INDICATORS
        SPACECRAFT POSITION INDICATORS
        WARNING SYSTEMS

HEADACHE
  0401 0405 0408
  UF    CEPHALAGIA
  GS    DISEASES
        #HEADACHE
        SIGNS AND SYMPTOMS
        #HEADACHE

% HEADERS
  1501 3203
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    BEAMS (SUPPORTS)
        CHASSIS
        HERMETIC SEALS
        PIPES (TUBES)
        SUPPORTS
      % TERMINALS

HEADSETS
  USE   EARPHONES

HEALING
  0405
  GS   #HEALING
        .WOUND HEALING
  RT    CLINICAL MEDICINE
        CURES
        THERAPY

HEALTH
  0405 0411
  GS   #HEALTH
        .HEALTH PHYSICS
        ..PUBLIC HEALTH
        .MENTAL HEALTH
  RT    CHRONIC CONDITIONS
        CLINICAL MEDICINE
        HYGIENE
        ORAL HYGIENE
        PSYCHOTHERAPY
        SANITATION

HEALTH PHYSICS
  0401 0405 0408 0411
  GS    BIOPHYSICS
        #HEALTH PHYSICS
        ..PUBLIC HEALTH
```

```
      HEALTH
      #HEALTH PHYSICS
      ..PUBLIC HEALTH
  RT  FLUENCE
      INDUSTRIAL SAFETY
      NUCLEAR MEDICINE
      NUCLEAR PHYSICS
      NUCLEAR RADIATION
      OCCUPATIONAL DISEASES
    % PHYSICS
      RADIATION DETECTORS
      RADIATION DOSAGE
      RADIATION EFFECTS
      RADIATION HAZARDS
      RADIATION INJURIES
      RADIATION MEASURING INSTRUMENTS
      RADIATION PROTECTION
      RADIATION SICKNESS
      RADIOBIOLOGY
      SAFETY FACTORS
    % SCIENCE

HEALTH PHYSICS RESEARCH REACTOR
  0411 2204
  UF  HPRR
  GS  NUCLEAR REACTORS
      .NUCLEAR RESEARCH AND TEST REACTORS
      .#HEALTH PHYSICS RESEARCH REACTOR
  RT % PHYSICS

HEALTH-EDUCATION TELECOMMUNICATIONS EXP
  USE HET EXPERIMENT

HEAO
  3001 3107 3409
  UF  HIGH ENERGY ASTRONOMY OBSERVATORIES
  GS  OBSERVATORIES
      .ASTRONOMICAL OBSERVATORIES
      ..ASTRONOMICAL SATELLITES
      ..#HEAO
      ....HEAO 1
      ....HEAO 2
      ....HEAO 3
  RT  OAO

HEAO A
  USE HEAO 1

HEAO B
  USE HEAO 2

HEAO C
  USE HEAO 3

HEAO 1
  3107 3009 3001
  UF  HEAO A
      HIGH ENERGY ASTRONOMY OBSERVATORY A
      HIGH ENERGY ASTRONOMY OBSERVATORY 1
  GS  OBSERVATORIES
      .ASTRONOMICAL OBSERVATORIES
      ..ASTRONOMICAL SATELLITES
      ...HEAO
      ...#HEAO 1
      UNMANNED SPACECRAFT
      #HEAO 1
  RT  OAO

HEAO 2
  3004
  UF  EINSTEIN OBSERVATORY
      HEAO B
      HIGH ENERGY ASTRONOMY OBSERVATORY B
      HIGH ENERGY ASTRONOMY OBSERVATORY 2
  GS  OBSERVATORIES
      .ASTRONOMICAL OBSERVATORIES
      ..ASTRONOMICAL SATELLITES
      ...HEAO
      ...#HEAO 2
      UNMANNED SPACECRAFT
      #HEAO 2
  RT  OAO

HEAO 3
  3004
  UF  HEAO C
      HIGH ENERGY ASTRONOMY OBSERVATORY C
      HIGH ENERGY ASTRONOMY OBSERVATORY 3
  GS  OBSERVATORIES
      .ASTRONOMICAL OBSERVATORIES
      ..ASTRONOMICAL SATELLITES
      ...HEAO
      ...#HEAO 3
      UNMANNED SPACECRAFT
      #HEAO 3
  RT  OAO

HEARING
  0404 0506
  GS #HEARING
      .BINAURAL HEARING
  RT  AUDIOLOGY
      AUDIOMETRY
      AUDITORY FATIGUE
      AUDITORY TASKS
      EAR
      LOUDNESS
      STEREOPHONICS
      THRESHOLDS (PERCEPTION)

HEARING LOSS
  USE AUDITORY DEFECTS

HEART
  0404 0405 0408 0503
  GS  ANATOMY
      .CIRCULATORY SYSTEM
      ..CARDIOVASCULAR SYSTEM
      ..#HEART
      ....CARDIAC AURICLES
      ....CARDIAC VENTRICLES
      ....EPICARDIUM
      ....MYOCARDIUM
  RT  AORTA
      ARTIFICIAL CARDIAC PACEMAKER
      ARTIFICIAL HEART VALVES
      BLOOD
      BLOOD PUMPS
      CARDIOGRAMS
      CARDIOGRAPHY
      CARDIOLOGY
      CARDIOTACHOMETERS
      CORONARY CIRCULATION
      DIASTOLE
      MUSCLES
      PHONOCARDIOGRAPHY

HEART DISEASES
  0405 0408
  GS  DISEASES
      #HEART DISEASES
      ..ANGINA PECTORIS
      ..CORONARY ARTERY DISEASE
      ..INFARCTION
      ...MYOCARDIAL INFARCTION
  RT  BRADYCARDIA
      CARDIOGRAPHY
      CARDIOLOGY
      CARDIOVASCULAR SYSTEM
      ECHOCARDIOGRAPHY
      ELECTROCARDIOGRAPHY
      FAT EMBOLISMS
      FIBRILLATION
      HIS BUNDLE
      PHONOCARDIOGRAPHY

HEART FUNCTION
  0404 0408
  GS #HEART FUNCTION
      .DIASTOLE
      .FIBRILLATION
      .SYSTOLE
  RT  ANGINA PECTORIS
      BLOOD CIRCULATION
      BLOOD PRESSURE
```

```
        CARDIAC OUTPUT
        CARDIOGRAPHY
        CAROTID SINUS REFLEX
        CYANOSIS
        ECHOCARDIOGRAPHY
        HEART MINUTE VOLUME
        HEART RATE
        HEMODYNAMICS
        HIS BUNDLE
        PHYSIOLOGY
        STROKE VOLUME

HEART IMPLANTATION
  0401 0501 0602 3403
  GS    IMPLANTATION
        #HEART IMPLANTATION
  RT    ARTIFICIAL HEART VALVES
        BIOTECHNOLOGY
        BLOOD CIRCULATION
        PULMONARY CIRCULATION
        SURGERY
        TRANSPLANTATION

HEART MINUTE VOLUME
  0401 0404 0405 0408
  GS    OUTPUT
        .CARDIAC OUTPUT
        .#HEART MINUTE VOLUME
  RT    HEART FUNCTION
        SPIROMETERS

HEART RATE
  0405 0408
  UF    PULSE (CARDIOVASCULAR)
  GS    RATES (PER TIME)
        #HEART RATE
        ..ARRHYTHMIA
        ..BRADYCARDIA
        ..TACHYCARDIA
  RT    ANGINA PECTORIS
        BIOFEEDBACK
        BIOMEDICAL DATA
        CARDIAC OUTPUT
        CARDIOLOGY
        DIASTOLE
        EPINEPHRINE
        HEART FUNCTION
        HERING-BREVER REFLEX
        SPHYGMOGRAPHY
        STROKE VOLUME
        SYSTOLE

HEART VALVES
  0202 0401 0404 1501
  GS    VALVES
        #HEART VALVES
  RT    CORONARY CIRCULATION

HEARTHS
  1504 1704
  RT    FURNACES
        REFRACTORIES

HEAT
  3301 3303 3304 3305 3501
  GS   #HEAT
        .DRY HEAT
        .ENTHALPY
        ..GIBBS FREE ENERGY
        ..HEAT OF DISSOCIATION
        ..HEAT OF FORMATION
        ..HEAT OF SOLUTION
        ..LATENT HEAT
        ...HEAT OF FUSION
        ...HEAT OF VAPORIZATION
        .HEAT OF COMBUSTION
        .NUCLEAR HEAT
        .PROCESS HEAT
        .SPECIFIC HEAT
  RT    ACTIVATION ENERGY
      % ENERGY
        ENTROPY
        HEATING
        HEATING EQUIPMENT
        INFRARED RADIATION
        TEMPERATURE
        THERMAL ENERGY
        THERMAL INSULATION
        THERMAL RADIATION
        THERMOCHEMISTRY
        THERMODYNAMIC PROPERTIES
        THERMODYNAMICS
        WORK

HEAT ACCLIMATIZATION
  0404 0408 0602
  GS    ADAPTATION
        .ACCLIMATIZATION
        .#HEAT ACCLIMATIZATION
  RT    BODY TEMPERATURE
        COLD ACCLIMATIZATION
        HIGH TEMPERATURE ENVIRONMENTS
        HUMAN TOLERANCES
        PERSPIRATION
        PHYSIOLOGICAL EFFECTS

HEAT AFFECTED ZONE
  1507 1704
  UF    HAZ (METALLURGY)
  RT    ARC WELDING
        GAS TUNGSTEN ARC WELDING
        HEAT TREATMENT
        METAL BONDING
        METAL-METAL BONDING
      % METALLURGY
        SOLDERING
        TEMPERATURE DEPENDENCE
        TEMPERATURE EFFECTS
        THERMOMECHANICAL TREATMENT
        WELDABILITY
        WELDING

HEAT BALANCE
  1308 1408 2003 2903 3304
  RT    ATMOSPHERIC HEAT BUDGET
        BALANCE
        BOILERS
        COMBUSTION
        MATERIAL BALANCE
        PYROMETALLURGY
        THERMOCHEMICAL PROPERTIES
        THERMOCHEMISTRY
        THERMODYNAMIC PROPERTIES

HEAT BUDGET
  1301 2003 3303 3304
  GS    ENERGY BUDGETS
        #HEAT BUDGET
        ..ATMOSPHERIC HEAT BUDGET
  RT  % BUDGETS
        EARTH RADIATION BUDGET
        SPECIFIC HEAT

HEAT CAPACITY
  USE   SPECIFIC HEAT

HEAT CAPACITY MAPPING MISSION
  1303
  UF    HCMM
  RT    APPLICATIONS EXPLORER SATELLITES
        GEOGRAPHY
        MAPPING
      % MISSIONS
        PLANETARY MAPPING
        THERMAL MAPPING

HEAT CONDUCTION
  USE   CONDUCTIVE HEAT TRANSFER

HEAT CONTENT
  USE   ENTHALPY

HEAT DISSIPATION
  USE   COOLING
```

HEAT DISSIPATION CHILLING
USE COOLING

HEAT EFFECTS
USE TEMPERATURE EFFECTS

HEAT ENGINES
0301 1504 2801 2808
RT CERAMICS
ENERGY TECHNOLOGY
ENGINES
THERMODYNAMIC CYCLES

HEAT EQUATIONS
USE THERMODYNAMICS

HEAT EXCHANGERS
3303 3304 3501
GS #HEAT EXCHANGERS
.TUBE HEAT EXCHANGERS
RT CONDENSERS (LIQUEFIERS)
COOLANTS
COOLING
COOLING FINS
COOLING SYSTEMS
COUNTERFLOW
EVAPORATORS
% EXCHANGERS
FINNED BODIES
GAS COOLING
GEOTHERMAL ENERGY EXTRACTION
HEATING
HEATING EQUIPMENT
REGENERATIVE COOLING
REGENERATORS
SNAP
SNAP 1
SNAP 2
SNAP 8
SNAP 10A
SPACE COOLING (BUILDINGS)
SPACE POWER REACTORS
SPACE POWER UNIT REACTORS
WASTE HEAT
WATER HEATING

HEAT FLOW
USE HEAT TRANSMISSION

HEAT FLUX
3304
SN (LIMITED TO HEAT ENERGY TRANSMISSION RATE)
GS RATES (PER TIME)
.FLUX (RATE)
.#HEAT FLUX
RT FLUX DENSITY
SOLAR FLUX

HEAT GAIN
USE HEATING

HEAT GENERATION
1503 2205 3304
SN (EXCLUDES BIOLOGICAL PRODUCTION OF HEAT)
RT COGENERATION
COMBUSTION
DIRECT POWER GENERATORS
% GENERATION
HEATING
HEATING EQUIPMENT
PROCESS HEAT
SOLID PROPELLANT COMBUSTION

HEAT ISLANDS
2001 2003
RT CITIES
CLIMATOLOGY
URBAN PLANNING
WEATHER MODIFICATION

HEAT MEASUREMENT
1408 3501
UF CALORIMETRY
RT BOLOMETERS
BOMB CALORIMETERS
CALORIMETERS
DROP CALORIMETERS
ENTHALPY
FLAME CALORIMETERS
% MEASUREMENT
SHELL ANODES

HEAT OF COMBUSTION
0602 3301 3303 3501
UF COMBUSTION HEAT
GS CHEMICAL PROPERTIES
.THERMOCHEMICAL PROPERTIES
.#HEAT OF COMBUSTION
HEAT
#HEAT OF COMBUSTION
THERMODYNAMIC PROPERTIES
.THERMOCHEMICAL PROPERTIES
.#HEAT OF COMBUSTION
RT COMBUSTION PHYSICS
GUNS (ORDNANCE)

HEAT OF DISSOCIATION
0602 0603
GS CHEMICAL PROPERTIES
.THERMOCHEMICAL PROPERTIES
.#HEAT OF DISSOCIATION
HEAT
.ENTHALPY
.#HEAT OF DISSOCIATION
THERMODYNAMIC PROPERTIES
.ENTHALPY
.#HEAT OF DISSOCIATION
.THERMOCHEMICAL PROPERTIES
.#HEAT OF DISSOCIATION
RT CHEMICAL EQUILIBRIUM
DISSOCIATION
% EQUILIBRIUM
REACTION KINETICS
THERMAL DISSOCIATION
THERMOCHEMISTRY
THERMODYNAMIC EQUILIBRIUM

HEAT OF FORMATION
0603 2311 2404 3304
UF FORMATION HEAT
GS CHEMICAL PROPERTIES
.THERMOCHEMICAL PROPERTIES
.#HEAT OF FORMATION
HEAT
.ENTHALPY
.#HEAT OF FORMATION
THERMODYNAMIC PROPERTIES
.ENTHALPY
.#HEAT OF FORMATION
.THERMOCHEMICAL PROPERTIES
.#HEAT OF FORMATION

HEAT OF FUSION
0603
UF FUSION HEAT
LATENT HEAT OF FUSION
GS CHEMICAL PROPERTIES
.THERMOCHEMICAL PROPERTIES
..LATENT HEAT
..#HEAT OF FUSION
HEAT
.ENTHALPY
..LATENT HEAT
..#HEAT OF FUSION
THERMODYNAMIC PROPERTIES
.ENTHALPY
..LATENT HEAT
..#HEAT OF FUSION
.THERMOCHEMICAL PROPERTIES
..LATENT HEAT
..#HEAT OF FUSION
.THERMOPHYSICAL PROPERTIES
..LATENT HEAT

..#HEAT OF FUSION
RT FUSION (MELTING)
MELTING
PHASE CHANGE MATERIALS
PHASE DIAGRAMS
PHASE TRANSFORMATIONS
SPECIFIC HEAT
THERMAL ENERGY
THERMOCHEMISTRY
THERMODYNAMICS
TRANSITION TEMPERATURE

HEAT OF SOLUTION
0601 0603
GS CHEMICAL PROPERTIES
.THERMOCHEMICAL PROPERTIES
.#HEAT OF SOLUTION
HEAT
.ENTHALPY
.#HEAT OF SOLUTION
THERMODYNAMIC PROPERTIES
.ENTHALPY
.#HEAT OF SOLUTION
.THERMOCHEMICAL PROPERTIES
.#HEAT OF SOLUTION
.THERMOPHYSICAL PROPERTIES
.#HEAT OF SOLUTION
RT MOLECULAR ENERGY LEVELS
THERMAL ENERGY
THERMOCHEMISTRY
THERMODYNAMICS

HEAT OF VAPORIZATION
1203 1408 3303 3501
UF VAPORIZATION HEAT
GS CHEMICAL PROPERTIES
.THERMOCHEMICAL PROPERTIES
..LATENT HEAT
..#HEAT OF VAPORIZATION
HEAT
.ENTHALPY
..LATENT HEAT
..#HEAT OF VAPORIZATION
THERMODYNAMIC PROPERTIES
.ENTHALPY
..LATENT HEAT
..#HEAT OF VAPORIZATION
.THERMOCHEMICAL PROPERTIES
..LATENT HEAT
..#HEAT OF VAPORIZATION
.THERMOPHYSICAL PROPERTIES
..LATENT HEAT
..#HEAT OF VAPORIZATION
RT VAPORIZING

HEAT PIPES
3303 3501
SN (EXCLUDES PIPES AND TUBES USED FOR THE TRANSMISSION OF HEATED LIQUIDS OR GASES)
RT GEOTHERMAL ENERGY UTILIZATION
SPACECRAFT TEMPERATURE

HEAT PUMPS
0303 0504 3303 3304 3501
RT AIR CONDITIONING
AIR CONDITIONING EQUIPMENT
CONDENSERS (LIQUEFIERS)
COOLING SYSTEMS
GEOTHERMAL ENERGY EXTRACTION
HEATING EQUIPMENT
PUMPS
REFRIGERATING MACHINERY
RESIDENTIAL ENERGY
SPACE COOLING (BUILDINGS)
THERMOELECTRIC COOLING
WASTE HEAT

HEAT RADIATORS
3303 3304
UF CONDENSER RADIATORS
HEAT REJECTION DEVICES
GS #HEAT RADIATORS
.SPACECRAFT RADIATORS
RT BLACK BODY RADIATION
COOLING
COOLING FINS
COOLING SYSTEMS
HEATING EQUIPMENT
% INSULATED STRUCTURES
RADIATIVE HEAT TRANSFER
% RADIATORS
STEFAN-BOLTZMANN LAW

HEAT REGULATION
USE TEMPERATURE CONTROL

HEAT REJECTION DEVICES
USE HEAT RADIATORS

HEAT RESISTANCE
USE THERMAL RESISTANCE

HEAT RESISTANT ALLOYS
1701 1704 3303 3304 3501
UF HIGH TEMPERATURE ALLOYS
SUPERALLOYS
GS ALLOYS
#HEAT RESISTANT ALLOYS
..NIMONIC ALLOYS
..REFRACTORY METAL ALLOYS
...MOLYBDENUM ALLOYS
....RENE 41
....RENE 63
....RENE 77
...NIOBIUM ALLOYS
...OSMIUM ALLOYS
...RHENIUM ALLOYS
...TANTALUM ALLOYS
...TUNGSTEN ALLOYS
..UDIMET ALLOYS
..WASPALOY
RT ALUMINIDES
CERMETS
CHROMIUM ALLOYS
COBALT ALLOYS
DISPERSION STRENGTHENING
HAFNIUM ALLOYS
NICKEL ALLOYS
OXIDE DISPERSION STRENGTHENING
REFRACTORY METALS
SULFIDATION
SUPERPLASTICITY

HEAT SHIELDING
1704 1805 3304
UF THERMAL SHIELDING
GS SHIELDING
#HEAT SHIELDING
..REENTRY SHIELDING
..REUSABLE HEAT SHIELDING
RT ABLATION
ABLATIVE MATERIALS
ABLATIVE NOSE CONES
COOLING
INFRARED SUPPRESSION
% INSULATED STRUCTURES
LUDOX (TRADEMARK)
PYROLYTIC GRAPHITE
SOLAR REFLECTORS
SPACECRAFT SHIELDING
TEMPERATURE
TEMPERATURE CONTROL
THERMAL CONTROL COATINGS
THERMAL INSULATION
THERMAL PROTECTION

HEAT SINKS
2203 3303 3304 3501
UF THERMAL SINKS
GS SINKS
#HEAT SINKS
RT ABLATIVE MATERIALS
ABSORBERS (MATERIALS)
COOLING SYSTEMS

ENDOTHERMIC REACTIONS
ENERGY ABSORPTION
REENTRY SHIELDING
REGENERATORS
THERMAL ABSORPTION
THERMAL INSULATION

HEAT SOURCES
0301 0303 3304
UF HYDRAULIC HEATING SOURCES
GS #HEAT SOURCES
.THERMAL RESOURCES
..GEOTHERMAL RESOURCES
...GEYSERS
RT % ENERGY SOURCES
ENERGY STORAGE
ENGINES
GEOTHERMAL TECHNOLOGY
LASER HEATING
LIGHT SOURCES
% POWER SUPPLIES
RADIATION SOURCES
THERMODYNAMIC EFFICIENCY

HEAT STORAGE
0301 0302 0602 3303 3304
UF THERMAL ENERGY STORAGE
GS ENERGY STORAGE
#HEAT STORAGE
RT GEOTHERMAL ENERGY UTILIZATION
HEAT TAPES
PHASE CHANGE MATERIALS
SOLAR DYNAMIC POWER SYSTEMS
SOLAR HOUSES
TEMPERATURE
TROMBE WALLS

HEAT STROKE
0404 0405 0408
RT BODY TEMPERATURE
HEAT TOLERANCE
HOT WEATHER
HYPERTHERMIA
PHYSIOLOGICAL EFFECTS
THERMAL COMFORT
THERMAL ENVIRONMENTS

HEAT TAPES
1503
RT HEAT STORAGE
ICE PREVENTION
% TAPES

HEAT TESTS
USE HIGH TEMPERATURE TESTS

HEAT TOLERANCE
0408 0602 1704 3304
GS TOLERANCES (PHYSIOLOGY)
#HEAT TOLERANCE
RT BODY TEMPERATURE
COLD TOLERANCE
HEAT STROKE
HUMAN TOLERANCES

HEAT TRANSFER
3303 3501
SN (TRANSMISSION ACROSS AN INTERFACE)
UF NONADIABATIC PROCESSES
GS TRANSMISSION
.HEAT TRANSMISSION
.#HEAT TRANSFER
...AERODYNAMIC HEAT TRANSFER
....HYPERSONIC HEAT TRANSFER
....SUPERSONIC HEAT TRANSFER
...CONDUCTIVE HEAT TRANSFER
...CONVECTIVE HEAT TRANSFER
...LAMINAR HEAT TRANSFER
...RADIATIVE HEAT TRANSFER
...TURBULENT HEAT TRANSFER
RT ADVECTION
ATMOSPHERIC HEAT BUDGET
BATHS
BIOT NUMBER
BOILING
BOUSSINESQ APPROXIMATION
CHEMICAL ENGINEERING
COMPRESSIBILITY EFFECTS
% CONDUCTION
COOLING
COUNTERFLOW
CRYOGENIC COOLING
DIFFUSE RADIATION
DIMENSIONLESS NUMBERS
ENERGY TRANSFER
FILM BOILING
FILM CONDENSATION
FLAT PLATES
FLUID BOUNDARIES
FORCED CONVECTION
GAS TRANSPORT
GAS-LIQUID INTERACTIONS
GAS-SOLID INTERFACES
GEOTHERMAL ENERGY CONVERSION
GEOTHERMAL TECHNOLOGY
HEATING
HOT SURFACES
LEIDENFROST PHENOMENON
LEWIS NUMBERS
LIQUID-LIQUID INTERFACES
LIQUID-SOLID INTERFACES
LIQUID-VAPOR INTERFACES
MASS TRANSFER
MECHANICAL ENGINEERING
METAL VAPORS
NONADIABATIC CONDITIONS
NONGRAY GAS
NONISOTHERMAL PROCESSES
NUCLEATE BOILING
NUSSELT NUMBER
PECLET NUMBER
PHASE CHANGE MATERIALS
PRANDTL NUMBER
RADIATIVE TRANSFER
RAYLEIGH EQUATIONS
REUSABLE HEAT SHIELDING
STAGNATION POINT
STANTON NUMBER
TEMPERATURE PROFILES
TEMPERATURE RATIO
THERMAL DIFFUSION
THERMAL EXPANSION
THERMAL INSULATION
THERMAL POLLUTION
THERMODYNAMICS
THERMOMIGRATION
TRANSFERRING
TRANSPORT PROPERTIES
WASTE ENERGY UTILIZATION

HEAT TRANSFER COEFFICIENTS
3303 3304 3501
SN (HEAT FLUX PER UNIT AREA PER UNIT TEMPERATURE DIFFERENCE)
GS COEFFICIENTS
#HEAT TRANSFER COEFFICIENTS
RT ACCOMMODATION COEFFICIENT
EVAPORATION RATE
HEATING
MASS FLOW FACTORS
NUCLEATE BOILING

HEAT TRANSMISSION
1202 1203 3303 3304 3501
UF HEAT FLOW
GS TRANSMISSION
#HEAT TRANSMISSION
..HEAT TRANSFER
...AERODYNAMIC HEAT TRANSFER
....HYPERSONIC HEAT TRANSFER
....SUPERSONIC HEAT TRANSFER
...CONDUCTIVE HEAT TRANSFER
...CONVECTIVE HEAT TRANSFER
...LAMINAR HEAT TRANSFER
...RADIATIVE HEAT TRANSFER

...TURBULENT HEAT TRANSFER
RT ADIABATIC EQUATIONS
ANNULAR FLOW
CONVECTION
CONVECTIVE FLOW
DUCTED FLOW
EQUILIBRIUM FLOW
% FLOW
FLUID FLOW
GEOPHYSICS
GEOTHERMAL ENERGY CONVERSION
GEOTHERMAL ENERGY EXTRACTION
GEOTHERMAL RESOURCES
MASS FLOW FACTORS
NONEQUILIBRIUM FLOW
POTENTIAL FLOW
RADIAL FLOW
RADIATIVE TRANSFER
STEADY FLOW
THERMAL ANALYSIS
THERMAL INSULATION
THERMOHYDRAULICS
UNIFORM FLOW
UNSTEADY FLOW
WALL FLOW

HEAT TREATMENT
1704
GS #HEAT TREATMENT
.ANNEALING
..LASER ANNEALING
..PULSE HEATING
.MARAGING
.NITRIDING
.NORMALIZING (HEAT TREATMENT)
.STRESS RELIEVING
.TEMPERING
RT AGING (METALLURGY)
ALLOYS
BAKING
CRITICAL TEMPERATURE
FERRITIC STAINLESS STEELS
FORGING
FURNACES
GRAPHITIZATION
HARDENERS
HARDENING (MATERIALS)
HEAT AFFECTED ZONE
HEATING
MARTENSITE
% METALLURGY
MICROSTRUCTURE
NUCLEATION
PHASE DIAGRAMS
PRECIPITATION HARDENING
QUENCHING (COOLING)
RECRYSTALLIZATION
SALT BATHS
% SOAKING
STABILIZATION
SUPERCOOLING
SUPERSATURATION
TEMPER (METALLURGY)
TEMPERATURE DISTRIBUTION
THERMOCHEMISTRY
THERMOMECHANICAL TREATMENT
% TREATMENT

% HEATERS
0504 0905 3304
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED CONSULT THE TERMS LISTED BELOW)
RT DEICERS
DEICING
ELECTRON TUBES
HEATING EQUIPMENT
VAPORIZERS
WATER HEATING

HEATING
1504 3303 3501
UF HEAT GAIN
PREHEATING
REHEATING
WARMING
GS #HEATING
.ARC HEATING
.ATMOSPHERIC HEATING
..GLOBAL WARMING
..STRATOSPHERIC WARMING
.BAKING
.BASE HEATING
.GAS HEATING
.INDUCTION HEATING
.IONOSPHERIC HEATING
.KINETIC HEATING
..AERODYNAMIC HEATING
...SHOCK HEATING
.LASER HEATING
.MAGNETOHYDRODYNAMIC SHEAR HEATING
.PASTEURIZING
.PLASMA HEATING
..ELECTRON CYCLOTRON HEATING
.RADIANT HEATING
.RADIO FREQUENCY HEATING
.RESISTANCE HEATING
.SOLAR HEATING
.SPACE HEATING (BUILDINGS)
.SUPERHEATING
.TRANSIENT HEATING
..PULSE HEATING
..SHOCK HEATING
.WATER HEATING
RT AIR CONDITIONING
ANNEALING
AUTOCLAVING
BOILING
CEMENTATION
% CONDUCTION
CONVECTION
COOLING
DECARBURIZATION
DEFROSTING
ENVIRONMENTAL ENGINEERING
GEOTHERMAL ENERGY EXTRACTION
GEOTHERMAL ENERGY UTILIZATION
HEAT EXCHANGERS
HEAT GENERATION
HEAT TRANSFER
HEAT TRANSFER COEFFICIENTS
HEAT TREATMENT
HEATING EQUIPMENT
HILSCH TUBES
HYDROTHERMAL SYSTEMS
ICE PREVENTION
INTEGRATED ENERGY SYSTEMS
JACKETS
LASER ANNEALING
LASER WELDING
MELTING
MODULAR INTEGRATED UTILITY SYSTEM
% RADIATION
ROASTING
SINTERING
% SOAKING
TEMPERATURE
TEMPERATURE CONTROL
TEMPERATURE DISTRIBUTION
THERMAL CYCLING TESTS
THERMAL SHOCK
THERMAL STRESSES
VAPORIZING
WASTE ENERGY UTILIZATION

HEATING EQUIPMENT
0504 3304
UF GERDIEN ARC HEATERS
PREHEATERS
GS #HEATING EQUIPMENT
.BOILERS
.FURNACES
..ELECTRIC FURNACES
..IMAGE FURNACES
..SOLAR FURNACES

..VACUUM FURNACES
.OVENS
.VAPORIZERS
..EVAPORATORS
RT AIR CONDITIONING
AIR CONDITIONING EQUIPMENT
CRUCIBLES
DEICERS
DEICING
% ELECTRIC EQUIPMENT
% EQUIPMENT
FUEL TANKS
HEAT EXCHANGERS
HEAT GENERATION
HEAT PUMPS
HEAT RADIATORS
% HEATERS
HEATING
ONBOARD EQUIPMENT
SPACE HEATING (BUILDINGS)
TEMPERATURE CONTROL
THERMAL INSULATION
WATER HEATING

HEAVING
0101 0201 1504 3407
RT BENDING
% BOWS
BUCKLING
DISPLACEMENT
DISTORTION
FLEXING
% MOTION
PITCH (INCLINATION)
WARPAGE

HEAVY COSMIC RAY PRIMARIES
USE HEAVY NUCLEI
PRIMARY COSMIC RAYS

HEAVY ELEMENTS
0602 2401
GS CHEMICAL ELEMENTS
#HEAVY ELEMENTS
RT % ELEMENTS
HEAVY IONS

HEAVY IONS
0602 2401
GS IONS
#HEAVY IONS
RT HEAVY ELEMENTS
ION STRIPPING
ISOTOPE SEPARATION
ISOTOPES
LIGHT IONS

HEAVY LIFT AIRSHIPS
0205
GS AIRSHIPS
#HEAVY LIFT AIRSHIPS
RT MATERIALS HANDLING
ROTORS

HEAVY LIFT HELICOPTERS
0201 0206 0207
GS V/STOL AIRCRAFT
.ROTARY WING AIRCRAFT
..HELICOPTERS
...MILITARY HELICOPTERS
...#HEAVY LIFT HELICOPTERS
.....CH-62 HELICOPTER
RT AIR CARGO
% AIRCRAFT
CARGO AIRCRAFT
HELICOPTER DESIGN

HEAVY LIFT LAUNCH VEHICLES
3103
UF HLLV
GS LAUNCH VEHICLES
#HEAVY LIFT LAUNCH VEHICLES
RT ADVANCED LAUNCH SYSTEM (STS)
ROCKET ENGINES
% ROCKETS
SPACECRAFT LAUNCHING
% VEHICLES

HEAVY NUCLEI
0602 2401 2903
UF HEAVY COSMIC RAY PRIMARIES
GS PARTICLES
.CHARGED PARTICLES
..ENERGETIC PARTICLES
...NUCLEI (NUCLEAR PHYSICS)
...#HEAVY NUCLEI
RT PRIMARY COSMIC RAYS

HEAVY WATER
0602 0603 1804 2401
UF DEUTERIUM OXIDES
HYDROGEN DEUTERIUM OXIDE
GS CHALCOGENIDES
.OXIDES
.#HEAVY WATER
HYDROGEN COMPOUNDS
.DEUTERIUM COMPOUNDS
.#HEAVY WATER
WATER
#HEAVY WATER
RT DEUTERIUM
MODERATORS
TRITIUM

HEAVY WATER COMPONENTS TEST REACTORS
1108 2204
GS NUCLEAR REACTORS
.LIQUID COOLED REACTORS
..WATER COOLED REACTORS
...HEAVY WATER REACTORS
...#HEAVY WATER COMPONENTS TEST REACTORS
.NUCLEAR RESEARCH AND TEST REACTORS
.#HEAVY WATER COMPONENTS TEST REACTORS
.WATER MODERATED REACTORS
.#HEAVY WATER COMPONENTS TEST REACTORS

HEAVY WATER REACTORS
1108 2204
GS NUCLEAR REACTORS
.LIQUID COOLED REACTORS
..WATER COOLED REACTORS
..#HEAVY WATER REACTORS
....HEAVY WATER COMPONENTS TEST REACTORS
....PLUTONIUM RECYCLE TEST REACTOR
....ZERO POWER REACTOR 2
RT LIGHT WATER BREEDER REACTORS

HEF (HIGH ENERGY FUELS)
USE HIGH ENERGY FUELS

HEIGHT
1902 3408
GS DIMENSIONS
#HEIGHT
..SCALE HEIGHT
RT ALTITUDE
DEPTH
DISTANCE
GEOPOTENTIAL
% LEVEL
SLOPES

HEINKEL AIRCRAFT
0201 0204
RT % AIRCRAFT

HEISENBERG THEORY
2304 2305 2307
GS ATOMIC THEORY
#HEISENBERG THEORY
RT ATOMIC EXCITATIONS

DYSON THEORY
ENERGY TRANSFER
% THEORIES

HELICAL ANTENNAS
0701 0901
GS ANTENNAS
.DIRECTIONAL ANTENNAS
.#HELICAL ANTENNAS
RT ANTENNA DESIGN
% HELICES
MICROWAVE ANTENNAS

HELICAL FLOW
1202 2308
GS FLUID FLOW
#HELICAL FLOW
RT AXISYMMETRIC FLOW
FLOW GEOMETRY
% HELICES
MAGNETOHYDRODYNAMIC STABILITY
THREE DIMENSIONAL FLOW

HELICAL INDUCERS
0903 0905
GS INTAKE SYSTEMS
#HELICAL INDUCERS
RT FIELD COILS
% HELICES
PLASMA CONTROL

HELICAL WINDINGS
0901 2308 2309
GS WINDING
#HELICAL WINDINGS
RT % HELICES
MAGNETIC FIELD CONFIGURATIONS
PLASMA CONTROL
STELLARATORS

% HELICES
1902
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT CURVES (GEOMETRY)
HELICAL ANTENNAS
HELICAL FLOW
HELICAL INDUCERS
HELICAL WINDINGS
% SPIRALS

HELICOPTER ATTITUDE INDICATORS
USE ATTITUDE INDICATORS
HELICOPTERS

HELICOPTER CONTROL
0104 0201 0206 2102
GS AIRCRAFT CONTROL
#HELICOPTER CONTROL
RT AIRBORNE RADAR APPROACH
ATTITUDE CONTROL
AUTOMATIC CONTROL
% CONTROL
CONTROLLABILITY
DIRECTIONAL CONTROL
FLIGHT CONTROL
HARMONIC CONTROL
HELICOPTERS
LATERAL CONTROL
LONGITUDINAL CONTROL
MANUAL CONTROL
SPEED CONTROL
TAIL ROTORS

HELICOPTER DESIGN
0201 0206
GS AIRCRAFT DESIGN
#HELICOPTER DESIGN
RT COMPOUND HELICOPTERS
COMPUTER AIDED DESIGN
% DESIGN
ENGINE DESIGN
HEAVY LIFT HELICOPTERS
HELICOPTERS
PRODUCT DEVELOPMENT
ROTOR BODY INTERACTIONS
STREAMLINING
STRUCTURAL DESIGN
UH-60A HELICOPTER
UH-61A HELICOPTER
WHIRL TOWERS

HELICOPTER ENGINES
0206 2801
GS AIRCRAFT ENGINES
#HELICOPTER ENGINES
ENGINES
.INTERNAL COMBUSTION ENGINES
.#HELICOPTER ENGINES
RT CONVERTIBLE FAN-SHAFT ENGINES
HELICOPTERS
JET ENGINES
T-53 ENGINE
T-55 ENGINE
T-58 ENGINE
T-58-GE-8B ENGINE
T-63 ENGINE
T-64 ENGINE
T-74 ENGINE
T-76 ENGINE

HELICOPTER IMPULSIVE NOISE
USE BLADE SLAP NOISE

HELICOPTER PERFORMANCE
0201 0206
GS AIRCRAFT PERFORMANCE
#HELICOPTER PERFORMANCE
RT AERODYNAMIC STABILITY
AIRCRAFT RELIABILITY
CONTROLLABILITY
FLIGHT CHARACTERISTICS
FLIGHT ENVELOPES
HELICOPTERS
MANEUVERABILITY

HELICOPTER PROPELLER DRIVE
0104 0206
GS MECHANICAL DRIVES
.PROPELLER DRIVE
.#HELICOPTER PROPELLER DRIVE
RT HELICOPTERS
JET PROPULSION
ROTARY WINGS
TILTED PROPELLERS
VARIABLE PITCH PROPELLERS

HELICOPTER ROTORS
USE ROTARY WINGS

HELICOPTER TAIL ROTORS
0101 1901 2308
GS ROTATING BODIES
.ROTORS
..TAIL ROTORS
..#HELICOPTER TAIL ROTORS
RT HELICOPTERS
ROTARY WINGS
% ROTOR BLADES

HELICOPTER WAKES
0104 0206
GS WAKES
.AIRCRAFT WAKES
.#HELICOPTER WAKES
RT DOWNWASH
HELICOPTERS

HELICOPTERS
0206
UF DRONE HELICOPTERS
GYROPLANES
HELICOPTER ATTITUDE INDICATORS
GS V/STOL AIRCRAFT

```
.ROTARY WING AIRCRAFT
.#HELICOPTERS
...ALOUETTE HELICOPTERS
....SA-330 HELICOPTER
....SE-3160 HELICOPTER
...COMPOUND HELICOPTERS
...H-17 HELICOPTER
...LIGHT HELICOPTERS
....OH-4 HELICOPTER
....OH-5 HELICOPTER
....OH-6 HELICOPTER
....OH-58 HELICOPTER
...MILITARY HELICOPTERS
....AH-1G HELICOPTER
....AH-64 HELICOPTER
....BELL 214A HELICOPTER
....BO-105 HELICOPTER
....CH-3 HELICOPTER
....CH-21 HELICOPTER
....CH-34 HELICOPTER
....CH-46 HELICOPTER
....CH-47 HELICOPTER
....CH-54 HELICOPTER
....H-19 HELICOPTER
....H-43 HELICOPTER
....H-53 HELICOPTER
....H-54 HELICOPTER
....H-56 HELICOPTER
....H-60 HELICOPTER
....HC-3 HELICOPTER
....HEAVY LIFT HELICOPTERS
.....CH-62 HELICOPTER
....HH-43 HELICOPTER
....OH-4 HELICOPTER
....OH-5 HELICOPTER
....OH-6 HELICOPTER
....OH-13 HELICOPTER
....OH-23 HELICOPTER
....OH-58 HELICOPTER
....P-531 HELICOPTER
....QH-50 HELICOPTER
....S-58 HELICOPTER
....S-61 HELICOPTER
....SA-321 HELICOPTER
....SA-330 HELICOPTER
....SH-3 HELICOPTER
....SH-4 HELICOPTER
....SIKORSKY WHIRLWIND HELICOPTER
....UH-1 HELICOPTER
....UH-2 HELICOPTER
....UH-34 HELICOPTER
....UH-60A HELICOPTER
....UH-61A HELICOPTER
....WESTLAND WHIRLWIND HELICOPTER
....XV-9A AIRCRAFT
...RIGID ROTOR HELICOPTERS
....CH-3 HELICOPTER
....F-28 HELICOPTER
....XH-51 HELICOPTER
...TANDEM ROTOR HELICOPTERS
....CH-46 HELICOPTER
....CH-47 HELICOPTER
....H-25 HELICOPTER
...TH-55 HELICOPTER
RT   AIRBORNE RADAR APPROACH
   % AIRCRAFT
     AIRCRAFT SURVIVABILITY
     BLADE SLAP NOISE
     BLADE-VORTEX INTERACTION
     GENERAL AVIATION AIRCRAFT
     GROUND RESONANCE
     HELICOPTER CONTROL
     HELICOPTER DESIGN
     HELICOPTER ENGINES
     HELICOPTER PERFORMANCE
     HELICOPTER PROPELLER DRIVE
     HELICOPTER TAIL ROTORS
     HELICOPTER WAKES
     HELIPORTS
   % MILITARY AIRCRAFT
     NAP-OF-THE-EARTH NAVIGATION
     RECOVERY VEHICLES
     ROTOR SYSTEMS RESEARCH AIRCRAFT
     SHORT TAKEOFF AIRCRAFT
   % SUBSONIC AIRCRAFT
     TILT ROTOR AIRCRAFT
     TILT ROTOR RESEARCH AIRCRAFT
     PROGRAM
     UTILITY AIRCRAFT
     V-22 AIRCRAFT
     VERTICAL TAKEOFF AIRCRAFT
     WESER AIRCRAFT
     WESTLAND AIRCRAFT
     XV-15 AIRCRAFT

HELIO AIRCRAFT
  0201 0207
  UF   HELIO MILITARY AIRCRAFT
  GS  #HELIO AIRCRAFT
       .U-10 AIRCRAFT
  RT % AIRCRAFT

HELIO MILITARY AIRCRAFT
  USE  HELIO AIRCRAFT

HELIOCENTRIC ORBITS
  USE  SOLAR ORBITS

HELIOGRAPHS
  USE  SPECTROHELIOGRAPHS

HELIOGRAPHY
  USE  SPECTROHELIOGRAPHS

HELIOMAGNETISM
  USE  SOLAR MAGNETIC FIELD

HELIOMETERS
  3001 1406
  UF   HELIOMETRY
  GS   MEASURING INSTRUMENTS
       #HELIOMETERS
       ..PYROHELIOMETERS
       OPTICAL EQUIPMENT
       #HELIOMETERS
       ..PYROHELIOMETERS
       TELESCOPES
       #HELIOMETERS
       ..PYROHELIOMETERS

HELIOMETRY
  USE  HELIOMETERS
       PYROHELIOMETERS

HELIOS A
  3001 3009 3108 3409
  GS   ARTIFICIAL SATELLITES
       .HELIOS SATELLITES
       .#HELIOS A
       UNMANNED SPACECRAFT
       .SPACE PROBES
       ..SOLAR PROBES
       ..#HELIOS A

HELIOS B
  3001 3009 3108 3409
  GS   ARTIFICIAL SATELLITES
       .HELIOS SATELLITES
       .#HELIOS B
       UNMANNED SPACECRAFT
       .SPACE PROBES
       ..SOLAR PROBES
       ..#HELIOS B

HELIOS PROJECT
  3001 3009 3108 3409
  GS   PROGRAMS
       .NASA PROGRAMS
       ..NASA SPACE PROGRAMS
       ..#HELIOS PROJECT
       .PROJECTS
       .#HELIOS PROJECT
       .SPACE PROGRAMS
       ..NASA SPACE PROGRAMS
       ..#HELIOS PROJECT
```

```
  RT    CHARGED PARTICLES
        HIGH TEMPERATURE PLASMAS
        SOLAR PROBES
        ZODIACAL LIGHT

HELIOS SATELLITES
  2902 3002 3107
  GS    ARTIFICIAL SATELLITES
        #HELIOS SATELLITES
        ..HELIOS A
        ..HELIOS B
        ..HELIOS 1
        ..HELIOS 2
  RT    MAGNETIC FIELDS
        PARTICLE FLUX DENSITY
        SOLAR FLUX DENSITY

HELIOS 1
  3001 3009 3108 3409
  GS    ARTIFICIAL SATELLITES
        .HELIOS SATELLITES
        .#HELIOS 1
        UNMANNED SPACECRAFT
        .SPACE PROBES
        ..SOLAR PROBES
        ..#HELIOS 1

HELIOS 2
  3001 3009 3108 3409
  GS    ARTIFICIAL SATELLITES
        .HELIOS SATELLITES
        .#HELIOS 2
        UNMANNED SPACECRAFT
        .SPACE PROBES
        ..SOLAR PROBES
        ..#HELIOS 2

HELIOSEISMOLOGY
  3001
  UF    SOLAR DYNAMICS
        SOLAR SEISMOLOGY
  GS    SEISMOLOGY
        #HELIOSEISMOLOGY
  RT    ASTROPHYSICS
     %  SCIENCE
        SOLAR INTERIOR
        SOLAR PHYSICS

HELIOSPHERE
  2502 3001
  RT    COSMIC RAYS
        INTERPLANETARY SPACE
        INTERSTELLAR GAS
        SOHO MISSION
        SOLAR ACTIVITY EFFECTS
        SOLAR WIND

HELIOSTATS
  1406 3009 3501
  RT %  INSTRUMENTS
        MIRRORS
        REFLECTORS
        SERVOMOTORS
        SOLAR REFLECTORS
        SYNCHRONIZERS

HELIOTRONS
  2203 2204
  GS    NUCLEAR REACTORS
        .FUSION REACTORS
        .#HELIOTRONS
  RT    PLASMA CONTROL
        STELLARATORS

HELIPORTS
  0206 1101
  GS    AIRPORTS
        #HELIPORTS
  RT    AIR TRAFFIC CONTROL
        AIRPORT PLANNING
        AIRPORT TOWERS
        HANGARS
        HELICOPTERS
        LANDING AIDS
        LANDING SITES
        MILITARY AIR FACILITIES
        NAVIGATION AIDS
        SOLAR COMPASSES
        V/STOL AIRCRAFT

HELITRONS
  0905 2402 2403
  GS    ELECTRON TUBES
        .VACUUM TUBES
        ..MICROWAVE TUBES
        ...TRAVELING WAVE TUBES
        ....BACKWARD WAVE TUBES
        ....#HELITRONS
        MICROWAVE EQUIPMENT
        .MICROWAVE TUBES
        ..TRAVELING WAVE TUBES
        ...BACKWARD WAVE TUBES
        ...#HELITRONS
  RT    CARCINOTRONS

HELIUM
  0603 1807
  GS    CHEMICAL ELEMENTS
        .RARE GASES
        .#HELIUM
        ...HELIUM ISOTOPES
        ...LIQUID HELIUM
        ....LIQUID HELIUM 2
        GASES
        .RARE GASES
        .#HELIUM
        ...HELIUM ISOTOPES
        ...LIQUID HELIUM
        ....LIQUID HELIUM 2
  RT    ALPHA PARTICLES
        HELIUM AFTERGLOW
        HELIUM ATOMS
        HELIUM FILM
        HELIUM IONS
        WOLF-RAYET STARS

HELIUM AFTERGLOW
  1308 3009
  GS    AFTERGLOWS
        #HELIUM AFTERGLOW
  RT    GAS IONIZATION
        PLASMA DECAY

HELIUM ATOMS
  0603 2401
  GS    ATOMS
        #HELIUM ATOMS
  RT    HELIUM

HELIUM COMPOUNDS
  0603 1804
  RT %  RARE GAS COMPOUNDS

HELIUM FILM
  0603 1802
  RT %  FILMS
        HELIUM

HELIUM HYDROGEN ATMOSPHERES
  1301
  GS    ENVIRONMENTS
        .EXTRATERRESTRIAL ENVIRONMENTS
        ..PLANETARY ENVIRONMENTS
        ...PLANETARY ATMOSPHERES
        ...#HELIUM HYDROGEN ATMOSPHERES

HELIUM IONS
  2401
  GS    IONS
        #HELIUM IONS
  RT    ALPHA PARTICLES
        HELIUM

HELIUM ISOTOPES
  2406
```

```
  UF   HELIUM 2
       HELIUM 3
       HELIUM 4
  GS   CHEMICAL ELEMENTS
       .NUCLIDES
       ..ISOTOPES
       ..#HELIUM ISOTOPES
       .RARE GASES
       ..HELIUM
       ..#HELIUM ISOTOPES
       GASES
       .RARE GASES
       ..HELIUM
       ..#HELIUM ISOTOPES

HELIUM PLASMA
  1807 2401 2502
  GS   PARTICLES
       .CHARGED PARTICLES
       ..ENERGETIC PARTICLES
       ...PLASMAS (PHYSICS)
       ...#HELIUM PLASMA
  RT   ARGON PLASMA
       ELECTRON PLASMA
       HYDROGEN PLASMA
       OXYGEN PLASMA

HELIUM STARS
  USE  B STARS

HELIUM 2
  USE  HELIUM ISOTOPES
       LIQUID HELIUM

HELIUM 3
  USE  HELIUM ISOTOPES

HELIUM 4
  USE  HELIUM ISOTOPES

HELIUM-NEON LASERS
  1601
  GS   STIMULATED EMISSION DEVICES
       .LASERS
       ..GAS LASERS
       ..#HELIUM-NEON LASERS
  RT   LASER MODES
       LASER OUTPUTS

HELIUM-OXYGEN ATMOSPHERES
  0504 0507
  GS   CONTROLLED ATMOSPHERES
       #HELIUM-OXYGEN ATMOSPHERES
  RT   AEROSPACE ENVIRONMENTS
     % ATMOSPHERES
     % BREATHING
       GAS MIXTURES
       PORTABLE LIFE SUPPORT SYSTEMS
       UNDERWATER BREATHING APPARATUS

HELIX TUBES
  USE  TRAVELING WAVE TUBES

HELLMANN-FEYNMAN THEOREM
  2401 2404 2405
  GS   THEOREMS
       #HELLMANN-FEYNMAN THEOREM

HELMET MOUNTED DISPLAYS
  0801 9001
  UF   HMD (DISPLAYS)
  GS   DISPLAY DEVICES
       #HELMET MOUNTED DISPLAYS
  RT   CREW WORKSTATIONS
     % DETECTORS
       IMAGES
       INDICATING INSTRUMENTS
     % INSTRUMENTS
       MONITORS
       PERSONNEL

HELMETS
  0506 0508 3401
  GS   CLOTHING
       .PROTECTIVE CLOTHING
       .#HELMETS
       SAFETY DEVICES
       #HELMETS
  RT   ARMOR
       FLIGHT CLOTHING
       GOGGLES
       PRESSURE SUITS

% HELMHOLTZ EQUATIONS
  1902 2310 3501
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT % EQUATIONS
       HELMHOLTZ VORTICITY EQUATION
       KELVIN-HELMHOLTZ INSTABILITY
       TIME DEPENDENCE
       WAVE EQUATIONS

HELMHOLTZ RESONATORS
  0901
  GS   RESONATORS
       #HELMHOLTZ RESONATORS
  RT   CAVITY RESONATORS
       NOISE REDUCTION

HELMHOLTZ VORTICITY EQUATION
  1202 1204
  GS   ANALYSIS (MATHEMATICS)
       .REAL VARIABLES
       ..DIFFERENTIAL EQUATIONS
       ...PARTIAL DIFFERENTIAL EQUATIONS
       ...#HELMHOLTZ VORTICITY EQUATION
       ...VORTICITY EQUATIONS
       ...#HELMHOLTZ VORTICITY EQUATION
       EQUATIONS OF MOTION
       .KINETIC EQUATIONS
       ..HYDRODYNAMIC EQUATIONS
       ..#HELMHOLTZ VORTICITY EQUATION
       FLOW EQUATIONS
       .VORTICITY EQUATIONS
       .#HELMHOLTZ VORTICITY EQUATION
  RT % EQUATIONS
     % HELMHOLTZ EQUATIONS
       VORTICITY

HELOS (SATELLITE)
  USE  EXOSAT SATELLITE

HEMATITE
  1806
  GS   CHALCOGENIDES
       .OXIDES
       ..METAL OXIDES
       ...IRON OXIDES
       ...#HEMATITE
       IRON COMPOUNDS
       .IRON OXIDES
       .#HEMATITE
       MINERALS
       .IRON ORES
       .#HEMATITE

HEMATOCRIT
  0404 0405
  RT   BLOOD
       BLOOD CIRCULATION
       BLOOD FLOW
       BLOOD PLASMA
       BLOOD VOLUME
       ERYTHROCYTES
       HEMATOLOGY
       HEMOGLOBIN

HEMATOCRIT RATIO
  0404 0405 0406
  RT   ANEMIAS
       ERYTHROCYTES
       HEMATOLOGY
```

```
HEMATOLOGY
  0403 0405
  RT   CARBOXYHEMOGLOBIN TEST
       HEMATOCRIT
       HEMATOCRIT RATIO
       RETICULOCYTES

HEMATOPOIESIS
  0404 0406 0411
  GS   CYTOGENESIS
       #HEMATOPOIESIS
  RT   BLOOD
       BLOOD CELLS
       BONE MARROW
       CARDIOVASCULAR SYSTEM
       CELLS (BIOLOGY)
       PHYSIOLOGICAL EFFECTS
       RADIATION EFFECTS

HEMATOPOIETIC SYSTEM
  0404 0406 0411
  RT   BLOOD CELLS
       BLOOD VOLUME
       BONE MARROW
       CARDIOVASCULAR SYSTEM
       PHYSIOLOGICAL EFFECTS
     % SYSTEMS

HEMATURIA
  0405
  GS   SIGNS AND SYMPTOMS
       #HEMATURIA
  RT   URINE

HEMISPHERE CYLINDER BODIES
  1902 3203
  RT % CYLINDERS
       CYLINDRICAL BODIES
       HEMISPHERICAL SHELLS
       PRESSURE VESSELS

% HEMISPHERES
  1304 1902 2003
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   AERODYNAMIC CONFIGURATIONS
       BODIES OF REVOLUTION
       EASTERN HEMISPHERE
       HEMISPHERICAL SHELLS
       NORTHERN HEMISPHERE
       SOUTHERN HEMISPHERE
       SPHERES

HEMISPHERICAL SHELLS
  1902 3203
  GS   SHELLS (STRUCTURAL FORMS)
       #HEMISPHERICAL SHELLS
  RT   BODIES OF REVOLUTION
       CIRCULAR SHELLS
       DOMES (STRUCTURAL FORMS)
       HEMISPHERE CYLINDER BODIES
     % HEMISPHERES
       METAL SHELLS
       REINFORCED SHELLS
       SPHERES
       SPHERICAL SHELLS

HEMOCYTES
  0404 0405 0406
  GS   CELLS (BIOLOGY)
       .BLOOD CELLS
       .#HEMOCYTES
  RT   INVERTEBRATES

HEMODYNAMIC RESPONSES
  0401 0506
  GS   PHYSIOLOGICAL EFFECTS
       .PHYSIOLOGICAL RESPONSES
       .#HEMODYNAMIC RESPONSES
       RESPONSES
       .PHYSIOLOGICAL RESPONSES
       .#HEMODYNAMIC RESPONSES
  RT   BLOOD CIRCULATION
       BLOOD PRESSURE
       HEAD DOWN TILT

HEMODYNAMICS
  0404 0408
  GS  #HEMODYNAMICS
       .LOWER BODY NEGATIVE PRESSURE
  RT   BLOOD CIRCULATION
       BLOOD VOLUME
       CARDIOVASCULAR SYSTEM
     % DYNAMICS
       HEART FUNCTION
       HEMOPERFUSION
       PHYSIOLOGY

HEMOGLOBIN
  0403 0404
  GS   BIOPOLYMERS
       .PROTEINS
       .#HEMOGLOBIN
       ...CARBOXYHEMOGLOBIN
       ...OXYHEMOGLOBIN
       ORGANIC COMPOUNDS
       .PROTEINS
       .#HEMOGLOBIN
       ...CARBOXYHEMOGLOBIN
       ...OXYHEMOGLOBIN
       ORGANOMETALLIC COMPOUNDS
       #HEMOGLOBIN
       ..CARBOXYHEMOGLOBIN
       ..OXYHEMOGLOBIN
  RT   ANEMIAS
       BLOOD
       BLOOD CELLS
       CELLS (BIOLOGY)
       ERYTHROCYTES
       HEMATOCRIT
       HEMOLYSIS
       POLYCYTHEMIA
       PORPHINES
       PORPHYRINS
       RETICULOCYTES

HEMOLYSIS
  0404 0408
  RT   COMPLEMENT (BIOLOGY)
       ERYTHROCYTES
       HEMOGLOBIN
       POLYCYTHEMIA
       RETICULOCYTES

HEMOPERFUSION
  0403
  RT   ACTIVATED CARBON
       ADSORBENTS
       BLOOD FLOW
       BLOOD PRESSURE
       HEMODYNAMICS
       TOXICOLOGY

HEMORRHAGES
  0404 0408
  GS  #HEMORRHAGES
       .PETECHIA
  RT % BLEEDING
       BLOOD
       CARDIOVASCULAR SYSTEM
       COAGULATION
       HEMOSTATICS
       HYPOTENSION
       INJURIES
       PATHOLOGY
       POLYCYTHEMIA
       RETICULOCYTES

HEMOSTASIS
  USE  HEMOSTATICS

HEMOSTATICS
  0404 0405
  UF   HEMOSTASIS
```

```
  GS   DRUGS
       #HEMOSTATICS
  RT   BLOOD COAGULATION
       FIBRINOGEN
       GIBBERELLINS
       HEMORRHAGES
       THROMBIN
       THROMBOPLASTIN

HEMT (ELECTRONICS)
  USE  HIGH ELECTRON MOBILITY TRANSISTORS

HENRY LAW
  1408 2311
  RT   COMPOSITION (PROPERTY)
       PARTIAL PRESSURE
       RAOULT LAW
       SOLUBILITY
       SOLUTIONS
       VAPOR PRESSURE

HEOS A SATELLITE
  3107
  GS   ARTIFICIAL SATELLITES
       .ESA SATELLITES
       ..HEOS SATELLITES
       ..#HEOS A SATELLITE
       ESA SPACECRAFT
       .ESA SATELLITES
       ..HEOS SATELLITES
       ..#HEOS A SATELLITE

HEOS B SATELLITE
  3107
  GS   ARTIFICIAL SATELLITES
       .ESA SATELLITES
       ..HEOS SATELLITES
       ..#HEOS B SATELLITE
       ESA SPACECRAFT
       .ESA SATELLITES
       ..HEOS SATELLITES
       ..#HEOS B SATELLITE

HEOS SATELLITES
  3409 3107
  UF   HIGHLY ECCENTRIC ORBIT SATELLITES
  GS   ARTIFICIAL SATELLITES
       .ESA SATELLITES
       .#HEOS SATELLITES
       ...HEOS A SATELLITE
       ...HEOS B SATELLITE
       ESA SPACECRAFT
       .ESA SATELLITES
       .#HEOS SATELLITES
       ...HEOS A SATELLITE
       ...HEOS B SATELLITE
  RT   EUROPEAN SPACE PROGRAMS
       SOLAR ORBITS

HEPARINS
  0403 0404
  RT   ANTICOAGULANTS

HEPATITIS
  0404
  GS   DISEASES
       .INFECTIOUS DISEASES
       .#HEPATITIS
  RT   ACQUIRED IMMUNODEFICIENCY SYNDROME
       ANATOMY
       LIVER
       VIRAL DISEASES

HEPTADIENE
  1808
  GS   ORGANIC COMPOUNDS
       .HYDROCARBONS
       ..ALIPHATIC HYDROCARBONS
       ...DIENES
       ...#HEPTADIENE

HEPTANES
  0603 1808
  GS   ORGANIC COMPOUNDS
       .HYDROCARBONS
       ..ALIPHATIC HYDROCARBONS
       ...ALKANES
       ...#HEPTANES
  RT   HYDROCARBON FUELS

HERBICIDES
  0404
  RT   BRUSH (BOTANY)
       DEFOLIANTS
       FOLIAGE
       FORESTS
       LEAVES
       PLANTS (BOTANY)
       TOXICITY
       TREES (PLANTS)

HERBIG-HARO OBJECTS
  3001
  GS   CELESTIAL BODIES
       .NEBULAE
       .#HERBIG-HARO OBJECTS
  RT   B STARS
     % BODIES
       INFRARED SOURCES (ASTRONOMY)
       INFRARED STARS
       STELLAR RADIATION
       STELLAR SPECTRA
       T TAURI STARS

HERCULES AIRCRAFT
  USE  C-130 AIRCRAFT

HERCULES ENGINE
  2808 2809
  GS   ENGINES
       .ROCKET ENGINES
       ..SOLID PROPELLANT ROCKET ENGINES
       ..#HERCULES ENGINE
  RT   HONEST JOHN ROCKET VEHICLE
       LITTLE JOHN ROCKET VEHICLE

HERCULES NOVA
  1901 3001
  GS   CELESTIAL BODIES
       .STARS
       ..VARIABLE STARS
       ...NOVAE
       ...#HERCULES NOVA
  RT   DWARF NOVAE

HEREDITY
  0404 0408
  RT   BREEDING (REPRODUCTION)
       CONGENITAL ANOMALIES
       CYTOGENESIS
       EVOLUTION (DEVELOPMENT)

HERING-BREVER REFLEX
  0405 0408
  GS   REFLEXES
       .RESPIRATORY REFLEXES
       .#HERING-BREVER REFLEX
  RT   HEART RATE

HERMES MANNED SPACEPLANE
  3409 0102
  GS   MANNED SPACECRAFT
       .SPACE SHUTTLES
       .#HERMES MANNED SPACEPLANE
       REENTRY VEHICLES
       .RECOVERABLE SPACECRAFT
       ..REUSABLE SPACECRAFT
       ...SPACE SHUTTLES
       ...#HERMES MANNED SPACEPLANE
  RT   FRENCH SPACE PROGRAM
       SPACE TRANSPORTATION SYSTEM
       SPACECRAFT DESIGN

HERMES SATELLITE
  USE  COMMUNICATIONS TECHNOLOGY SATELLITE
```

```
HERMETIC SEALS
  1501
  GS    SEALS (STOPPERS)
        #HERMETIC SEALS
  RT %  HEADERS
        LABYRINTH SEALS
        O RING SEALS
        PUMP SEALS

HERMITIAN POLYNOMIAL
  1902 2311
  GS    ALGEBRA
        .POLYNOMIALS
        .#HERMITIAN POLYNOMIAL
  RT    JACOBI MATRIX METHOD
        MATRICES (MATHEMATICS)
        REAL VARIABLES
        VECTOR SPACES

HERO REACTOR
  2204
  GS    NUCLEAR REACTORS
        .NUCLEAR RESEARCH AND TEST REACTORS
        .#HERO REACTOR

HERTZSPRUNG-RUSSELL DIAGRAM
  1901 3001
  UF    HR DIAGRAM
  GS    DIAGRAMS
        #HERTZSPRUNG-RUSSELL DIAGRAM
  RT    ASYMPTOTIC GIANT BRANCH STARS
        COLOR-COLOR DIAGRAM
        COLOR-MAGNITUDE DIAGRAM
        HORIZONTAL BRANCH STARS
        STELLAR EVOLUTION
        STELLAR LUMINOSITY
        STELLAR SPECTRA

HERZBERG BANDS
  0710 2402 3009
  GS    SPECTRA
        .RADIATION SPECTRA
        ..ABSORPTION SPECTRA
        ..#HERZBERG BANDS
        .SPECTRAL BANDS
        ..ABSORPTION SPECTRA
        ..#HERZBERG BANDS
  RT %  BANDS
        OXYGEN SPECTRA
        SCHUMANN-RUNGE BANDS
        ULTRAVIOLET SPECTRA

HESSIAN MATRICES
  1902
  GS    ALGEBRA
        .VECTOR SPACES
        ..MATRICES (MATHEMATICS)
        ..#HESSIAN MATRICES
  RT    ALGORITHMS
        OPTIMIZATION

HET EXPERIMENT
  0702 0707 0708 0709
  UF    HEALTH-EDUCATION
        TELECOMMUNICATIONS EXP
  GS    TELECOMMUNICATION
        #HET EXPERIMENT
        TELECONFERENCING
        #HET EXPERIMENT
  RT    ATS 6
        COMMUNICATION SATELLITES
        SATELLITE NETWORKS

HETEROCYCLIC COMPOUNDS
  1808
  GS    ORGANIC COMPOUNDS
        .CYCLIC COMPOUNDS
        .#HETEROCYCLIC COMPOUNDS
        ...ACRIFLAVINE
        ...ADENOSINES
        ....ADENOSINE DIPHOSPHATE
        ....ADENOSINE TRIPHOSPHATE
        ....CYCLIC AMP
        ...ALKALOIDS
        ....ATROPINE
        ....BETAINES
        ....CAFFEINE
        ....COLCHICINE
        ....ERGOTAMINE
        ....HYOSCINE
        ....LYSERGINE
        ....MORPHINE
        ....NICOTINAMIDE
        ....NICOTINE
        ....PILOCARPINE
        ....RESERPINE
        ....STRYCHNINE
        ....TROPYL COMPOUNDS
        ...ANISOLE
        ...ASCORBIC ACID
        ...AZINES
        ....CYANURATES
        ....CYANURIC ACID
        ....MECLIZINE
        ....METHYLENE BLUE
        ....PHENOTHIAZINES
        ...AZOLES
        ....ACETAZOLAMIDE
        ....OXAZOLE
        ....PYRROLES
        .....CARBAZOLES
        .....INDOLES
        ......TRYPTOPHAN
        ...AZULENE
        ...BIOFLAVONOIDS
        ...BIOTIN
        ...CARNITINE
        ...CYANOCOBALAMIN
        ...CYTIDYLIC ACID
        ...DIMENHYDRINATE
        ...ENDRIN
        ...ETHYLENE OXIDE
        ...FOLIC ACID
        ...FURANS
        ....TETRAHYDROFURAN
        ...GUANETHIDINE
        ...HMX
        ...NICOTINIC ACID
        ...PHTHALOCYANIN
        ...PHYLLOQUINONE
        ...PIPERIDINE
        ...PROMETHAZINE
        ...PURINES
        ....ADENINES
        ....XANTHINES
        .....CAFFEINE
        .....GUANINES
        .....URIC ACID
        ...PYRIDINES
        ...PYRIDOXINE
        ...PYRIMIDINES
        ....ALLOXAN
        ....THYMIDINE
        ....THYMINE
        ....URACIL
        ...RDX
        ...RETINENE
        ...RIBOFLAVIN
        ...TETRACYCLINES
        ...TETRAZOLES
        ...THIAMINE
        ...THIAZINE (TRADEMARK)
        ...TOCOPHEROL
        ...TRIMETHADIONE
  RT %  CHEMICAL COMPOUNDS

HETERODYNING
  2304 2402
  GS    #HETERODYNING
        .OPTICAL HETERODYNING
  RT    AUTODYNES
        DEMODULATION
        INTERMEDIATE FREQUENCY AMPLIFIERS
        MIXING CIRCUITS
```

```
        SUPERHETERODYNE RECEIVERS

HETEROGENEITY
  3408
  RT    DEVIATION
        IMPURITIES
        INCLUSIONS
        INHOMOGENEITY
        RANGE (EXTREMES)
        SAMPLING
        STANDARD DEVIATION
        STATISTICAL TESTS
        VARIABILITY
        VARIANCE (STATISTICS)

HETEROJUNCTION DEVICES
  0903
  GS    ELECTRONIC EQUIPMENT
        .SOLID STATE DEVICES
        ..SEMICONDUCTOR DEVICES
        ..#HETEROJUNCTION DEVICES
        ....HIGH ELECTRON MOBILITY
            TRANSISTORS
        .....MODFETS
  RT    BAND STRUCTURE OF SOLIDS
        DISTRIBUTED FEEDBACK LASERS
        GALLIUM ARSENIDES
        HOMOJUNCTIONS
        ITO (SEMICONDUCTORS)
        JUNCTION DIODES
        MODULATION DOPING
        QUANTUM EFFICIENCY
        QUANTUM WELL LASERS
        QUANTUM WELLS
        SEMICONDUCTOR JUNCTIONS
        SOLAR ENERGY CONVERSION
        WAVEGUIDE LASERS

HETEROJUNCTIONS
  0906
  GS    SEMICONDUCTOR JUNCTIONS
        #HETEROJUNCTIONS
  RT    HOMOJUNCTIONS
        JUNCTION DIODES
        MODULATION DOPING
        QUANTUM WELLS
        SILICON JUNCTIONS
        SOLAR CELLS
        THIN FILMS
        TUNNEL JUNCTIONS

HETEROPHORIA
  0401 0404 0405 0408
  UF    EXOPHORIA
  RT    VISION

HETEROSPHERE
  1302 1304 2003 3009
  GS    EARTH ATMOSPHERE
        #HETEROSPHERE
        ENVIRONMENTS
        #HETEROSPHERE
  RT    CHEMOSPHERE
        EARTH IONOSPHERE
        EARTH MAGNETOSPHERE
        EXOSPHERE
        LOWER ATMOSPHERE
        MIDDLE ATMOSPHERE
        THERMOSPHERE
        UPPER ATMOSPHERE

HETEROTROPHS
  0402 0404 0409
  RT    ANIMALS
        AUTOTROPHS
        METABOLISM
        PLANTS (BOTANY)

HEURISTIC METHODS
  3406
  RT    AUTOMATA THEORY
        COMPUTER PROGRAMMING
      % METHODOLOGY
        SIMULATION

HEUS ROCKET ENGINES
  2808
  GS    ENGINES
        .ROCKET ENGINES
        .#HEUS ROCKET ENGINES
  RT    ROCKET ENGINE CONTROL
        ROCKET VEHICLES

HEWLETT-PACKARD COMPUTERS
  0801
  GS    DATA PROCESSING EQUIPMENT
        .COMPUTERS
        ..DIGITAL COMPUTERS
        ..#HEWLETT-PACKARD COMPUTERS

HEXADIENE
  1808
  GS    ORGANIC COMPOUNDS
        .HYDROCARBONS
        ..ALIPHATIC HYDROCARBONS
        ...DIENES
        ...#HEXADIENE

HEXAGONAL CELLS
  1704
  RT % CELLS
       CRYSTAL LATTICES
       HONEYCOMB STRUCTURES

HEXAGONS
  1902
  GS    GEOMETRY
        .EUCLIDEAN GEOMETRY
        ..POLYGONS
        ..#HEXAGONS

HEXAHEDRITE
  2601
  GS    MAGNESIUM COMPOUNDS
        .MAGNESIUM SULFATES
        .#HEXAHEDRITE
        MINERALS
        #HEXAHEDRITE
        SULFUR COMPOUNDS
        .SULFATES
        ..MAGNESIUM SULFATES
        ..#HEXAHEDRITE

HEXAMETHONIUM
  1808
  RT    AMMONIUM COMPOUNDS
        ANTICONVULSANTS

HEXAMETHYLENETETRAMINE
  0602 0603
  GS    AMINES
        #HEXAMETHYLENETETRAMINE

HEXANITROSTILBENE
  1808
  UF    HNST
  RT    STILBENE

HEXENES
  0602 1808
  GS    ORGANIC COMPOUNDS
        .HYDROCARBONS
        ..ALIPHATIC HYDROCARBONS
        ...ALKENES
        ...#HEXENES
  RT    CYCLOHEXANE
        HYDROCARBON FUELS

HEXOGENES (TRADEMARK)
  1808
  GS    ACIDS
        .CARBOXYLIC ACIDS
        .#HEXOGENES (TRADEMARK)
        ORGANIC COMPOUNDS
        .CARBOXYLIC ACIDS
```

.#HEXOGENES (TRADEMARK)

HEXOKINASE
0403 1808
GS BIOPOLYMERS
.PROTEINS
..ENZYMES
..#HEXOKINASE
ORGANIC COMPOUNDS
.PROTEINS
..ENZYMES
..#HEXOKINASE

HEXOSES
0403 1808
GS ORGANIC COMPOUNDS
.CARBOHYDRATES
..SUGARS
...MONOSACCHARIDES
...#HEXOSES
.....GALACTOSE
.....GLUCOSE

HEXYL COMPOUNDS
0602 1808
GS ALKYL COMPOUNDS
#HEXYL COMPOUNDS
RT % CHEMICAL COMPOUNDS

HF LASERS
0603 1401 1808
UF HYDROGEN FLUORIDE LASERS
GS STIMULATED EMISSION DEVICES
.LASERS
..GAS LASERS
..#HF LASERS
RT CHEMICAL LASERS
INFRARED LASERS
TEA LASERS

HFB-320 AIRCRAFT
0207
UF HAMBURGER HFB-320 AIRCRAFT
GS HAMBURGER AIRCRAFT
#HFB-320 AIRCRAFT
JET AIRCRAFT
#HFB-320 AIRCRAFT
MONOPLANES
#HFB-320 AIRCRAFT
PASSENGER AIRCRAFT
#HFB-320 AIRCRAFT
TRANSPORT AIRCRAFT
#HFB-320 AIRCRAFT
RT % AIRCRAFT

HFIR
USE HIGH FLUX ISOTOPE REACTORS

HFIR (REACTOR)
USE HIGH FLUX ISOTOPE REACTORS

HH-43 HELICOPTER
0206
UF HH-43B HELICOPTER
HUSKIE HELICOPTER
GS KAMAN AIRCRAFT
#HH-43 HELICOPTER
UTILITY AIRCRAFT
#HH-43 HELICOPTER
V/STOL AIRCRAFT
.ROTARY WING AIRCRAFT
..HELICOPTERS
...MILITARY HELICOPTERS
...#HH-43 HELICOPTER

HH-43B HELICOPTER
USE HH-43 HELICOPTER

HHX HELICOPTER
USE H-53 HELICOPTER

HIBERNATION
0404 0408
RT ADAPTATION
THERMOREGULATION

HICAT (RADAR TECHNIQUE)
USE HIGH RESOLUTION COVERAGE ANTENNAS

HICAT PROJECT
USE HIGH RESOLUTION COVERAGE ANTENNAS

HIERARCHIES
0404 3402 3405 3406
GS CLASSIFICATIONS
#HIERARCHIES
..BBGKY HIERARCHY
..DICHOTOMIES

HIGH ACCELERATION
0201 2308 2403 3110
GS RATES (PER TIME)
.ACCELERATION (PHYSICS)
.#HIGH ACCELERATION
RT % ACCELERATION
ACCELERATION STRESSES (PHYSIOLOGY)
ACCELERATION TOLERANCE
ELECTRON RUNAWAY (PLASMA PHYSICS)
MECHANICAL SHOCK
% MOTION
SHOCK RESISTANCE

HIGH ALT TARGET AND BACKGROUND MEASUREMENT
0702 2102 2103
UF HITAB PROGRAM
RT % MEASUREMENT
TARGET ACQUISITION

HIGH ALTITUDE
0101 0201 0401 1108 1202 1308
UF HIGH ALTITUDE FLIGHT
GS ALTITUDE
#HIGH ALTITUDE
RT MIDALTITUDE
SKYHOOK BALLOONS
UPPER ATMOSPHERE

HIGH ALTITUDE BALLOONS
0205 1302 2003 3409
GS EXPANDABLE STRUCTURES
.INFLATABLE STRUCTURES
..BALLOONS
..#HIGH ALTITUDE BALLOONS
....JIMSPHERE BALLOONS
....SKYHOOK BALLOONS
....SUPERPRESSURE BALLOONS
RT BALLOON-BORNE INSTRUMENTS
GAS BAGS
METEOROLOGICAL BALLOONS
ROBIN BALLOONS
ROCKOONS

HIGH ALTITUDE BREATHING
0408 1302
GS RESPIRATION
#HIGH ALTITUDE BREATHING
RT ALTITUDE TOLERANCE
% BREATHING
EMERGENCY LIFE SUSTAINING SYSTEMS
HYPOBARIC ATMOSPHERES
OXYGEN MASKS

HIGH ALTITUDE ENVIRONMENTS
0401 0504 1302 2001 2003
GS ENVIRONMENTS
#HIGH ALTITUDE ENVIRONMENTS
RT ALTITUDE SIMULATION
ALTITUDE TESTS
ALTITUDE TOLERANCE
ESCAPE CAPSULES
HYPOBARIC ATMOSPHERES
LOW PRESSURE
LOW TEMPERATURE ENVIRONMENTS
MOUNTAIN INHABITANTS
THERMAL VACUUM TESTS

TIMBERLINE
VACUUM CHAMBERS

HIGH ALTITUDE FLIGHT
USE FLIGHT
HIGH ALTITUDE

HIGH ALTITUDE NUCLEAR DETECTION
0411 1308 1406 2203 3108 3409
GS DETECTION
#HIGH ALTITUDE NUCLEAR DETECTION
RT SPACE SURVEILLANCE (SPACEBORNE)
VELA SATELLITES

HIGH ALTITUDE PRESSURE
0401 1302 1408 3501
GS PRESSURE
.LOW PRESSURE
.#HIGH ALTITUDE PRESSURE
RT ALTITUDE TOLERANCE
ATMOSPHERIC PRESSURE
HYPOBARIC ATMOSPHERES
VACUUM CHAMBERS

HIGH ALTITUDE SOUNDING PROJECTILE
USE WASP SOUNDING ROCKET

HIGH ALTITUDE TESTS
0401 1302 2002 3108
GS ALTITUDE TESTS
#HIGH ALTITUDE TESTS
RT BACKGROUND RADIATION
ENVIRONMENTAL TESTS
FISHBOWL OPERATION
FLIGHT TESTS
FULL SCALE TESTS
TEST VEHICLES
% TESTS
VELA SATELLITES

HIGH ASPECT RATIO
0101 0102 0104 1902
GS RATIOS
.ASPECT RATIO
.#HIGH ASPECT RATIO

HIGH ASPECT RATIO WINGS
USE SLENDER WINGS

HIGH CURRENT
2304 2402
GS ELECTRIC CURRENT
#HIGH CURRENT
RT HIGH VOLTAGES
PLASMA CURRENTS

HIGH DEFINITION TELEVISION
UF HDTV
GS TELEVISION SYSTEMS
#HIGH DEFINITION TELEVISION
RT COMMUNICATION EQUIPMENT
DIGITAL TELEVISION
HIGH RESOLUTION
IMAGE RESOLUTION
IMAGING TECHNIQUES
TELEVISION TRANSMISSION
VIDEO COMMUNICATION
VIDEO DATA

HIGH DISPERSION SPECTROGRAPHS
1411 2402
GS MEASURING INSTRUMENTS
.SPECTROMETERS
..ULTRAVIOLET SPECTROMETERS
..#HIGH DISPERSION SPECTROGRAPHS
SPECTROGRAPHS
#HIGH DISPERSION SPECTROGRAPHS

HIGH ECCENTRIC LUNAR OCCULTATION SATELLITE
USE EXOSAT SATELLITE

HIGH ELECTRON MOBILITY TRANSISTORS
0903
UF HEMT (ELECTRONICS)
GS ELECTRONIC EQUIPMENT
.SOLID STATE DEVICES
..SEMICONDUCTOR DEVICES
...HETEROJUNCTION DEVICES
...#HIGH ELECTRON MOBILITY TRANSISTORS
.....MODFETS
...TRANSISTORS
...#HIGH ELECTRON MOBILITY TRANSISTORS
.....MODFETS
RT ELECTRON MOBILITY
FIELD EFFECT TRANSISTORS
MODULATION DOPING

HIGH ENERGY ASTRONOMY OBSERVATORIES
USE HEAO

HIGH ENERGY ASTRONOMY OBSERVATORY A
USE HEAO 1

HIGH ENERGY ASTRONOMY OBSERVATORY B
USE HEAO 2

HIGH ENERGY ASTRONOMY OBSERVATORY C
USE HEAO 3

HIGH ENERGY ASTRONOMY OBSERVATORY 1
USE HEAO 1

HIGH ENERGY ASTRONOMY OBSERVATORY 2
USE HEAO 2

HIGH ENERGY ASTRONOMY OBSERVATORY 3
USE HEAO 3

HIGH ENERGY ELECTRONS
2401 2403
GS PARTICLES
.CHARGED PARTICLES
..ENERGETIC PARTICLES
...ELECTRONS
...#HIGH ENERGY ELECTRONS
RT SCATHA SATELLITE

HIGH ENERGY FUELS
2203 2701 2702
SN (HEAT CONTENT GREATER THAN OR EQUAL TO APPROXIMATELY 25,000 BTU/LB)
UF HEF (HIGH ENERGY FUELS)
GS FUELS
.CHEMICAL FUELS
.#HIGH ENERGY FUELS
RT ADDITIVES
BORON COMPOUNDS
CATALYSTS
CRYOGENIC ROCKET PROPELLANTS
HYBRID PROPELLANTS
HYDROCARBON FUELS

HIGH ENERGY INTERACTIONS
2308 2405
GS PARTICLE INTERACTIONS
.ELEMENTARY PARTICLE INTERACTIONS
.#HIGH ENERGY INTERACTIONS
...STRONG INTERACTIONS (FIELD THEORY)
RT ANNIHILATION REACTIONS
BEAM INTERACTIONS
FISSION PRODUCTS
% INTERACTIONS
NUCLEAR EXPLOSIONS
NUCLEAR FISSION
NUCLEAR FUSION
NUCLEAR INTERACTIONS
NUCLEAR RADIATION
NUCLEAR REACTIONS
NUCLEAR RESEARCH
PAIR PRODUCTION
PARTICLE PRODUCTION

POMERANCHUK THEOREM
THERMONUCLEAR REACTIONS
VECTOR DOMINANCE MODEL

HIGH ENERGY OXIDIZERS
0602 0603
GS OXIDIZERS
#HIGH ENERGY OXIDIZERS
RT ROCKET OXIDIZERS

HIGH ENERGY PROPELLANTS
2701 2702
GS PROPELLANTS
#HIGH ENERGY PROPELLANTS
..DOMINO PROPELLANTS
RT CRYOGENIC ROCKET PROPELLANTS
GASEOUS ROCKET PROPELLANTS
HYBRID PROPELLANTS
LIQUID ROCKET PROPELLANTS

HIGH FIELD MAGNETS
2307 2604
UF SUPERMAGNETS
GS MAGNETS
.ELECTROMAGNETS
.#HIGH FIELD MAGNETS
RT SUPERCONDUCTING MAGNETS

HIGH FLUX BEAM REACTORS
2203 2204
RT NUCLEAR REACTORS

HIGH FLUX ISOTOPE REACTORS
2201 2203 2204 2406
UF HFIR
HFIR (REACTOR)
GS NUCLEAR REACTORS
#HIGH FLUX ISOTOPE REACTORS
RT NEUTRON FLUX DENSITY

HIGH FREQUENCIES
0702 0710 2311 2402 0705 0709 0905
1002
GS FREQUENCIES
.RADIO FREQUENCIES
.#HIGH FREQUENCIES
RT DECAMETRIC WAVES
INTERMEDIATE FREQUENCIES
LOW FREQUENCY BANDS
MAXIMUM USABLE FREQUENCY
RING DISCHARGE
SHORT WAVE RADIATION
SHORT WAVE RADIO TRANSMISSION
TOROIDAL DISCHARGE

HIGH GAIN
0702 1002 3408
RT AMPLIFICATION
PILOT INDUCED OSCILLATION
POWER GAIN
TRANSFER FUNCTIONS

HIGH GRAVITY (ACCELERATION)
USE HIGH GRAVITY ENVIRONMENTS

HIGH GRAVITY ENVIRONMENTS
0401 0504 1304 1309 3009
UF HIGH GRAVITY (ACCELERATION)
GS ENVIRONMENTS
#HIGH GRAVITY ENVIRONMENTS
RATES (PER TIME)
.ACCELERATION (PHYSICS)
.#HIGH GRAVITY ENVIRONMENTS
RT % ACCELERATION
CENTRIFUGES
EXTRATERRESTRIAL ENVIRONMENTS
GRAVITATION
HUMAN CENTRIFUGES
MICROGRAVITY
ROTATING ENVIRONMENTS

HIGH IMPULSE
2308 3110
RT % FORCE
IMPULSES
PROPULSION

HIGH INTENSITY LASERS
USE HIGH POWER LASERS

HIGH LATITUDES
USE POLAR REGIONS

HIGH LEVEL LANGUAGES
0802
UF HIGHER ORDER LANGUAGES
GS LANGUAGES
.PROGRAMMING LANGUAGES
.#HIGH LEVEL LANGUAGES
...ADA (PROGRAMMING LANGUAGE)
...C (PROGRAMMING LANGUAGE)
....C++ (PROGRAMMING LANGUAGE)
RT COMMUNICATION THEORY
LANGUAGE PROGRAMMING
SYMBOLS

HIGH MELTING COMPOUNDS
USE REFRACTORY MATERIALS

HIGH PASS FILTERS
0904 2402
RT BANDSTOP FILTERS
ELECTRIC FILTERS
ELECTROMAGNETIC WAVE FILTERS
% FILTERS
MICROWAVE FILTERS
OPTICAL FILTERS

HIGH POLYMERS
0603 1810
RT % POLYMERS

HIGH POWER LASERS
1601 2306
UF HIGH INTENSITY LASERS
GS STIMULATED EMISSION DEVICES
.LASERS
.#HIGH POWER LASERS
...NOVA LASER SYSTEM
...SHIVA LASER SYSTEM
RT GLASS LASERS
LASER FUSION
LASER OUTPUTS
OPTICAL COMMUNICATION

HIGH PRESSURE
1202 1203 1408 3501
GS PRESSURE
#HIGH PRESSURE
RT ANTICYCLONES
CRITICAL PRESSURE
DEGENERATE MATTER
HYPERBARIC CHAMBERS
LOW PRESSURE
SUPERCRITICAL PRESSURES
TRANSITION PRESSURE
VACUUM

HIGH PRESSURE OXYGEN
0504 0603 1408
GS GASES
.COMPRESSED GAS
.#HIGH PRESSURE OXYGEN
RT FIRE PREVENTION
OXYGEN
PRESSURE
SPACECRAFT CABIN ATMOSPHERES

HIGH Q
USE Q FACTORS

% HIGH RESISTANCE
0101 1001 1202 2304 2311 3303 3408
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS

LISTED BELOW)
RT CHEMICAL PROPERTIES
ELECTRICAL RESISTANCE
FLOW RESISTANCE
MECHANICAL PROPERTIES
% PHYSICAL PROPERTIES
% RESISTANCE
RUGGEDNESS
THERMAL RESISTANCE

HIGH RESOLUTION
1412 2310
GS RESOLUTION
#HIGH RESOLUTION
RT ACCURACY
ANGULAR RESOLUTION
HIGH DEFINITION TELEVISION
PRECISION
SPATIAL RESOLUTION

HIGH RESOLUTION COVERAGE ANTENNAS
0702 0710 0904 2402
UF HICAT (RADAR TECHNIQUE)
HICAT PROJECT
RT RADAR ANTENNAS
RADAR RESOLUTION
RESOLUTION

HIGH REYNOLDS NUMBER
0101
SN (RN ABOVE 3,000)
GS RATIOS
.DIMENSIONLESS NUMBERS
..REYNOLDS NUMBER
..#HIGH REYNOLDS NUMBER
RT LOW REYNOLDS NUMBER

HIGH SPEED
0101 0201 1504 3009
UF HIGH SPEED FLIGHT
GS RATES (PER TIME)
#HIGH SPEED
VELOCITY
#HIGH SPEED
RT AIRSPEED
ESCAPE VELOCITY
GROUND SPEED
HYPERSONIC SPEED
LANDING SPEED
LIGHT SPEED
RELATIVISTIC VELOCITY
ROTOR SPEED
SUPERSONIC SPEED

HIGH SPEED CAMERAS
1407 1412 3501
GS OPTICAL EQUIPMENT
.CAMERAS
.#HIGH SPEED CAMERAS
...FRAMING CAMERAS
PHOTOGRAPHIC EQUIPMENT
.CAMERAS
.#HIGH SPEED CAMERAS
...FRAMING CAMERAS
RT BALLISTIC CAMERAS
FRAME PHOTOGRAPHY
HIGH SPEED PHOTOGRAPHY
ROTATING MIRRORS
STREAK PHOTOGRAPHY
STROBOSCOPES

HIGH SPEED FLIGHT
USE FLIGHT
HIGH SPEED

HIGH SPEED PHOTOGRAPHY
1407 3501
GS PHOTOGRAPHY
#HIGH SPEED PHOTOGRAPHY
RT HIGH SPEED CAMERAS
PHOTOGRAPHIC RECORDING

HIGH SPEED TRANSPORTATION
USE RAPID TRANSIT SYSTEMS

HIGH STRENGTH
1704 1805 3203
GS MECHANICAL PROPERTIES
#HIGH STRENGTH
RT COMPRESSIVE STRENGTH
SHEAR STRENGTH
% STRENGTH
TENSILE STRENGTH
TENSILE STRESS
YIELD STRENGTH

HIGH STRENGTH ALLOYS
1701 1704
GS ALLOYS
#HIGH STRENGTH ALLOYS
..ASTROLOY (TRADEMARK)
..HIGH STRENGTH STEELS
...MARAGING STEELS
RT ALUMINUM-LITHIUM ALLOYS
TENSILE PROPERTIES

HIGH STRENGTH STEELS
1701 3203
UF LOW ALLOY STEELS
GS ALLOYS
.HIGH STRENGTH ALLOYS
.#HIGH STRENGTH STEELS
...MARAGING STEELS
.IRON ALLOYS
..STEELS
..#HIGH STRENGTH STEELS
....MARAGING STEELS
RT CARBON STEELS

HIGH TEMPERATURE
1408 2311 2502 3304 3501
GS TEMPERATURE
#HIGH TEMPERATURE
RT SIALON
TEMPERATURE MEASUREMENT

HIGH TEMPERATURE AIR
1301 1408 3501
UF HOT AIR
GS GASES
.GAS MIXTURES
..AIR
..#HIGH TEMPERATURE AIR
.HIGH TEMPERATURE GASES
.#HIGH TEMPERATURE AIR
HIGH TEMPERATURE FLUIDS
.HIGH TEMPERATURE GASES
.#HIGH TEMPERATURE AIR
MIXTURES
.SOLUTIONS
..GAS MIXTURES
...AIR
...#HIGH TEMPERATURE AIR

HIGH TEMPERATURE ALLOYS
USE HEAT RESISTANT ALLOYS

HIGH TEMPERATURE ENVIRONMENTS
0504 0507 1408
GS ENVIRONMENTS
#HIGH TEMPERATURE ENVIRONMENTS
RT DRY HEAT
HEAT ACCLIMATIZATION
LUNAR TEMPERATURE
THERMAL ENVIRONMENTS
THERMAL FATIGUE

HIGH TEMPERATURE FATIGUE
USE THERMAL FATIGUE

HIGH TEMPERATURE FLUIDS
0603 1202 3304
GS #HIGH TEMPERATURE FLUIDS
.HIGH TEMPERATURE GASES
..HIGH TEMPERATURE AIR

```
  RT % FLUIDS
       HYDRAULIC FLUIDS
       PLASMAS (PHYSICS)
       WORKING FLUIDS

HIGH TEMPERATURE GAS COOLED REACTORS
  2202 2203 2204
  UF   HTGR
  GS   NUCLEAR REACTORS
       .GAS COOLED REACTORS
       ..HIGH TEMPERATURE NUCLEAR REACTORS
       ..#HIGH TEMPERATURE GAS COOLED
          REACTORS
  RT   NUCLEAR POWER REACTORS

HIGH TEMPERATURE GASES
  1203 3304 3501
  UF   HOT GAS SYSTEMS
       HOT GASES
       HOT JET EXHAUST
  GS   GASES
       #HIGH TEMPERATURE GASES
       ..HIGH TEMPERATURE AIR
       HIGH TEMPERATURE FLUIDS
       #HIGH TEMPERATURE GASES
       ..HIGH TEMPERATURE AIR
  RT   COMBUSTION PRODUCTS
       EXHAUST EMISSION
       IONIZED GASES
       PNEUMATIC PROBES
       RAREFIED GASES
       SHOCK WAVE PROPAGATION

HIGH TEMPERATURE LUBRICANTS
  0603 1503 3304
  GS   LUBRICANTS
       #HIGH TEMPERATURE LUBRICANTS
  RT   GAS BEARINGS
       GAS LUBRICANTS
       THERMAL RESISTANCE

HIGH TEMPERATURE MATERIALS
  USE  REFRACTORY MATERIALS

HIGH TEMPERATURE NUCLEAR REACTORS
  1108 2202 2203 2204 3303
  UF   LOS ALAMOS TURRET REACTOR
       UHTREX (NUCLEAR REACTORS)
  GS   NUCLEAR REACTORS
       .GAS COOLED REACTORS
       .#HIGH TEMPERATURE NUCLEAR REACTORS
       ...HIGH TEMPERATURE GAS COOLED
          REACTORS
       .NUCLEAR RESEARCH AND TEST REACTORS
       .#HIGH TEMPERATURE NUCLEAR REACTORS
  RT   NUCLEAR PROPULSION
       REACTOR DESIGN
       REACTOR TECHNOLOGY
     % REACTORS

HIGH TEMPERATURE PLASMAS
  2502
  UF   HOT PLASMAS
  GS   PARTICLES
       .CHARGED PARTICLES
       ..ENERGETIC PARTICLES
       ...PLASMAS (PHYSICS)
       ...#HIGH TEMPERATURE PLASMAS
  RT   BOLTZMANN-VLASOV EQUATION
       COLLISIONAL PLASMAS
       DENSE PLASMAS
       ELECTRON PLASMA
       HELIOS PROJECT
       RELATIVISTIC PLASMAS
       STRONGLY COUPLED PLASMAS
       THERMAL PLASMAS

HIGH TEMPERATURE PROPELLANTS
  2701 2702 3304
  GS   PROPELLANTS
       #HIGH TEMPERATURE PROPELLANTS
  RT   ELECTROTHERMAL ENGINES
       GELLED PROPELLANTS
       GELLED ROCKET PROPELLANTS
       ION PROPULSION
       NUCLEAR PROPULSION
       PLASMA ENGINES
       SOLID PROPELLANTS
       STORABLE PROPELLANTS

HIGH TEMPERATURE RESEARCH
  0507 1106 3304
  GS   RESEARCH
       #HIGH TEMPERATURE RESEARCH
  RT   PLASMA GENERATORS
       REFRACTORY MATERIALS

HIGH TEMPERATURE SUPERCONDUCTORS
  2302 2303 2604
  UF   HTSC (SUPERCONDUCTORS)
  GS   CONDUCTORS
       .SUPERCONDUCTORS
       .#HIGH TEMPERATURE SUPERCONDUCTORS
       ...BSCCO SUPERCONDUCTORS
       ...YBCO SUPERCONDUCTORS
  RT   BARIUM OXIDES
       CERAMICS
       CRITICAL TEMPERATURE
       CRYOGENIC GYROSCOPES
       CRYOGENIC MAGNETS
       CRYOGENICS
       ELECTRICAL RESISTIVITY
       JOSEPHSON JUNCTIONS
       LIQUID NITROGEN
       LOW TEMPERATURE PHYSICS
       METAL OXIDES
       MIXED OXIDES
       OPERATING TEMPERATURE
       SIS (SUPERCONDUCTORS)
       STRONTIUM OXIDES
       SUPERCONDUCTING MAGNETS
       SUPERCONDUCTING POWER TRANSMISSION
       SUPERCONDUCTIVITY
       YTTRIUM OXIDES

HIGH TEMPERATURE TESTS
  1106 1108 3404 3501
  UF   HEAT TESTS
  GS   ENVIRONMENTAL TESTS
       #HIGH TEMPERATURE TESTS
  RT   BOMB CALORIMETERS
       CALORIMETERS
       CHEMICAL TESTS
       COLD STRENGTH
       COLD WEATHER TESTS
       CRYOSTATS
       DROP CALORIMETERS
       FLAME CALORIMETERS
       HARDNESS TESTS
       LUBRICANT TESTS
     % MATERIALS TESTS
       MELTING POINTS
       NONDESTRUCTIVE TESTS
       TEMPERATURE CONTROL
     % TESTS
       THERMAL EXPANSION
       THERMAL RESISTANCE
       THERMAL SHOCK
       THERMAL STABILITY
       THERMODYNAMIC PROPERTIES
       TRANSPORT PROPERTIES

HIGH THRUST
  0101 0201 1202 2311 2801 2808
  GS   THRUST
       #HIGH THRUST
  RT   JET THRUST
       LOW THRUST
       ROCKET THRUST
       THRUST AUGMENTATION
       VARIABLE THRUST

HIGH VACUUM
  1506
  GS   PRESSURE
```

.VACUUM
.#HIGH VACUUM
RT COLD WELDING
LOW VACUUM
MOLECULAR SHIELDS
RESIDUAL GAS
SPACE MANUFACTURING
ULTRAHIGH VACUUM
VACUUM APPARATUS
VACUUM TESTS

HIGH VACUUM ORBITAL SIMULATOR
1107 1108 1506 3009
UF HIVOS (SIMULATOR)
GS SIMULATORS
.ENVIRONMENT SIMULATORS
..SPACE SIMULATORS
..#HIGH VACUUM ORBITAL SIMULATOR
RT SPACE ENVIRONMENT SIMULATION

HIGH VOLTAGES
2304
RT ELECTRIC CURRENT
ELECTRIC POTENTIAL
HIGH CURRENT

HIGHER ORDER LANGUAGES
USE HIGH LEVEL LANGUAGES

HIGHLANDS
1305 1306
RT COLORADO PLATEAU (US)
MESAS
MOUNTAINS
PLATEAUS
TOPOGRAPHY

HIGHLY ECCENTRIC ORBIT SATELLITES
USE HEOS SATELLITES

HIGHLY MANEUVERABLE AIRCRAFT
0201
UF HIMAT
RT AIRBORNE/SPACEBORNE COMPUTERS
% AIRCRAFT
AIRCRAFT MANEUVERS
AUTOMATIC FLIGHT CONTROL
AUTOMATIC PILOTS
COMPUTERIZED SIMULATION
FIGHTER AIRCRAFT
FLIGHT CHARACTERISTICS
FLIGHT TESTS
REMOTELY PILOTED VEHICLES

HIGHWAYS
0506 3203
GS ROADS
#HIGHWAYS
RT AIR BAG RESTRAINT DEVICES
BRIDGES (STRUCTURES)
CONSTRUCTION
CRASHES
INTERSECTIONS
PAVEMENTS
RAMPS (STRUCTURES)
RAPID TRANSIT SYSTEMS
REGIONAL PLANNING
STREETS
TRANSPORTATION
TRANSPORTATION NETWORKS
URBAN PLANNING

HIJACKING
USE AIR PIRACY

HILBERT SPACE
1902
GS ALGEBRA
.VECTOR SPACES
..BANACH SPACE
..#HILBERT SPACE
....SOBOLEV SPACE
ANALYSIS (MATHEMATICS)
.FUNCTION SPACE
..BANACH SPACE
..#HILBERT SPACE
....SOBOLEV SPACE
.FUNCTIONAL ANALYSIS
..BANACH SPACE
..#HILBERT SPACE
....SOBOLEV SPACE

HILBERT TRANSFORMATION
1902
GS ANALYSIS (MATHEMATICS)
.FUNCTIONAL ANALYSIS
..INTEGRAL TRANSFORMATIONS
..#HILBERT TRANSFORMATION
TRANSFORMATIONS (MATHEMATICS)
.INTEGRAL TRANSFORMATIONS
.#HILBERT TRANSFORMATION

HILL CURVES
USE HILL METHOD

HILL DETERMINANT
1902
GS ANALYSIS (MATHEMATICS)
#HILL DETERMINANT
RT DIFFERENTIAL EQUATIONS
EIGENVALUES
MATHIEU FUNCTION

HILL LUNAR THEORY
1901 3004 3009
RT EARTH ORBITS
ORBITAL MECHANICS
PERTURBATION THEORY
% THEORIES

HILL METHOD
1901 1902 3001 3003 3007
UF HILL CURVES
RT EARTH ORBITS
% METHODOLOGY
ORBITAL MECHANICS
PERTURBATION THEORY

HILLER AIRCRAFT
0207
UF HILLER MILITARY AIRCRAFT
GS #HILLER AIRCRAFT
.OH-5 HELICOPTER
RT % AIRCRAFT

HILLER MILITARY AIRCRAFT
USE HILLER AIRCRAFT
MILITARY AIRCRAFT

HILSCH TUBES
1201 1202 1203 1204
UF VORTEX TUBES
RT COAXIAL FLOW
COOLING
HEATING
% TUBES
VORTEX GENERATORS
VORTICES

HIMALAYAS
1305
GS LANDFORMS
.MOUNTAINS
.#HIMALAYAS
RT ASIA
BHUTAN
INDIA
PAKISTAN
SIKKIM
TIBET

HIMAT
USE HIGHLY MANEUVERABLE AIRCRAFT

HINDRANCE

```
  USE   CONSTRAINTS

HINGE MOMENTS
  USE   TORQUE

HINGED ROTOR BLADES
  USE   HINGES
        ROTARY WINGS

HINGELESS ROTORS
  USE   RIGID ROTORS

HINGES
  1504
  UF    HINGED ROTOR BLADES
  GS   #HINGES
        .FLAPPING HINGES
  RT    BEARINGLESS ROTORS
        PIVOTS
        SWIVELS

HIP (PROCESS)
  USE   HOT ISOSTATIC PRESSING

HIPPARCOS SATELLITE
  3409 3009
  GS    ARTIFICIAL SATELLITES
        .ESA SATELLITES
        .#HIPPARCOS SATELLITE
        ESA SPACECRAFT
        .ESA SATELLITES
        .#HIPPARCOS SATELLITE
  RT    ASTROMETRY
        EUROPEAN SPACE PROGRAMS
        SPACEBORNE ASTRONOMY
        STELLAR MOTIONS
        STELLAR PARALLAX

HIPPOCAMPUS
  0404
  GS    ANATOMY
        .NERVOUS SYSTEM
        ..CENTRAL NERVOUS SYSTEM
        ...BRAIN
        ...#HIPPOCAMPUS

HIPPURIC ACID
  0403 1808
  GS    ACIDS
        .AMINO ACIDS
        .#HIPPURIC ACID
        ORGANIC COMPOUNDS
        .AMINO ACIDS
        .#HIPPURIC ACID

HIS BUNDLE
  0404
  RT    CARDIAC AURICLES
        CARDIAC VENTRICLES
        ELECTROPHYSIOLOGY
        HEART DISEASES
        HEART FUNCTION
        NERVES

HISS
  2301
  GS    ELECTROMAGNETIC INTERFERENCE
        .RADIO FREQUENCY INTERFERENCE
        ..ELECTROMAGNETIC NOISE
        ...ATMOSPHERICS
        ....IONOSPHERICS
        ....#HISS

HISTAMINES
  0403 0405 1808
  GS    DRUGS
        #HISTAMINES
  RT    AMINES
        ANTIHISTAMINICS
        ITCHING

HISTIDINE
  0403 1808
  GS    ACIDS
        .AMINO ACIDS
        .#HISTIDINE
        AMINES
        #HISTIDINE
        ORGANIC COMPOUNDS
        .AMINO ACIDS
        .#HISTIDINE

HISTOCHEMICAL ANALYSIS
  0403
  RT    BIOASSAY
        BIOCHEMISTRY
        CELLS (BIOLOGY)
        ORGANIC CHEMISTRY
        TISSUES (BIOLOGY)

HISTOGRAMS
  1902 1905
  RT    DISCRETE FUNCTIONS
        GRAPHS (CHARTS)
        NORMAL DENSITY FUNCTIONS

HISTOLOGY
  0404 0406
  GS    MEDICAL SCIENCE
        #HISTOLOGY
  RT    EPITHELIUM
        MORPHOLOGY
        PLATELETS

HISTORIES
  3403
  GS   #HISTORIES
        .CASE HISTORIES
  RT    DOCUMENTATION
        MUSEUMS
        PALEONTOLOGY
        PEACETIME
        RECORDS

HITAB PROGRAM
  USE   HIGH ALT TARGET AND BACKGROUND
        MEASUREMENT

HIV (VIRUS)
  USE   HUMAN IMMUNODEFICIENCY VIRUS

HIVOS (SIMULATOR)
  USE   HIGH VACUUM ORBITAL SIMULATOR

HL-10 REENTRY VEHICLE
  3105 3110 3501
  GS    GLIDERS
        #HL-10 REENTRY VEHICLE
        LIFTING BODIES
        .LIFTING REENTRY VEHICLES
        .#HL-10 REENTRY VEHICLE
        REENTRY VEHICLES
        .MANEUVERABLE REENTRY BODIES
        ..LIFTING REENTRY VEHICLES
        ..#HL-10 REENTRY VEHICLE
  RT    HYPERSONIC GLIDERS

HLD-35 REENTRY VEHICLE
  3105 3110 0101 0104 3501
  GS    LIFTING BODIES
        .LIFTING REENTRY VEHICLES
        .#HLD-35 REENTRY VEHICLE
        REENTRY VEHICLES
        .MANEUVERABLE REENTRY BODIES
        ..LIFTING REENTRY VEHICLES
        ..#HLD-35 REENTRY VEHICLE
  RT    HYPERSONIC GLIDERS

HLLV
  USE   HEAVY LIFT LAUNCH VEHICLES

HMD (DISPLAYS)
  USE   HELMET MOUNTED DISPLAYS

HMX
```

```
  1808 2403
  UF   CYCLOTETRAMETHYLENE TETRANITRAMINE
       TETRANITROTETRAZACYCLOOCTANE
  GS   EXPLOSIVES
       #HMX
       NITROGEN COMPOUNDS
       .AZO COMPOUNDS
       .#HMX
       ORGANIC COMPOUNDS
       .CYCLIC COMPOUNDS
       ..HETEROCYCLIC COMPOUNDS
       ..#HMX
       PROPELLANTS
       .SOLID PROPELLANTS
       ..SOLID ROCKET PROPELLANTS
       ..#HMX
       PYROTECHNICS
       #HMX

HNPF (HALLAM NUCLEAR POWER FACILITY)
  USE  HALLAM NUCLEAR POWER FACILITY

HNST
  USE  HEXANITROSTILBENE

HO-4 HELICOPTER
  USE  OH-4 HELICOPTER

HO-5 HELICOPTER
  USE  OH-5 HELICOPTER

HO-6 HELICOPTER
  USE  OH-6 HELICOPTER

HODOGRAPHS
  1406 2901 3501
  RT   CHAPLYGIN EQUATION
       KINEMATICS
       VECTOR SPACES

HODOSCOPES
  2402 2902 2903
  GS   MEASURING INSTRUMENTS
       .RADIATION MEASURING INSTRUMENTS
       .#HODOSCOPES
  RT   RADIATION COUNTERS
       SCINTILLATING FIBERS

HOGBACKS
  USE  RIDGES

HOHLRAUMS
  2402 3303 3304
  RT   BLACK BODY RADIATION
       EMISSIVITY

HOHMANN TRAJECTORIES
  USE  ELLIPTICAL ORBITS
       TRANSFER ORBITS

HOHMANN TRANSFER ORBITS
  USE  ELLIPTICAL ORBITS
       TRANSFER ORBITS

HOLDERS
  1103 1502 1504 3404
  GS  #HOLDERS
       .FLAME HOLDERS
  RT   ANCHORS (FASTENERS)
     % BANDS
       BOLTS
       BRACKETS
       CLAMPS
       CLIPS
       FASTENERS
       JIGS
       LATCHES
       LUGS
       MECHANICAL DEVICES
       NUTS (FASTENERS)
       PINS
       POSITIONING DEVICES (MACHINERY)
       RIVETS
       SCREWS
     % SPIKES
       SPLINES
       STRAPS
       STUDS (STRUCTURAL MEMBERS)
       ZIPPERS

% HOLDING
  1504 3401 3407
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   CONSTRAINTS
       DELAY
       RETAINING
       STOPPING

HOLE BURNING
  1601
  RT   COMPUTER STORAGE DEVICES
       HOLOGRAPHY
       LASER APPLICATIONS
       LASERS
       LASING
       MEMORY (COMPUTERS)

% HOLE DISTRIBUTION
  1704 3203
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   CURRENT DISTRIBUTION
       HOLE DISTRIBUTION (ELECTRONICS)
       HOLE DISTRIBUTION (MECHANICS)

HOLE DISTRIBUTION (ELECTRONICS)
  1002
  GS   DISTRIBUTION (PROPERTY)
       #HOLE DISTRIBUTION (ELECTRONICS)
  RT   CHARGE DISTRIBUTION
       CURRENT DISTRIBUTION
     % HOLE DISTRIBUTION
       HOLES (ELECTRON DEFICIENCIES)
       SEMICONDUCTORS (MATERIALS)

HOLE DISTRIBUTION (MECHANICS)
  1704 3203
  GS   DISTRIBUTION (PROPERTY)
       #HOLE DISTRIBUTION (MECHANICS)
  RT   CAVITIES
     % HOLE DISTRIBUTION
       HOLES (MECHANICS)
       PERFORATED SHELLS
       POROSITY
       STRESS CONCENTRATION
       VOID RATIO

HOLE GEOMETRY (MECHANICS)
  1401
  RT   FRACTURE MECHANICS
       HOLES (MECHANICS)
       PERFORATED PLATES
       PERFORATED SHELLS
       STRESS CONCENTRATION
       STRESS INTENSITY FACTORS
       STRUCTURAL ANALYSIS

HOLE MOBILITY
  0602 1704 2603 3203
  GS   ELECTRICAL PROPERTIES
       .CARRIER MOBILITY
       .#HOLE MOBILITY
       MOBILITY
       .CARRIER MOBILITY
       .#HOLE MOBILITY
       TRANSPORT PROPERTIES
       .CARRIER MOBILITY
       .#HOLE MOBILITY
  RT   ATOMIC MOBILITIES
       CHARGE CARRIERS
       ELECTROMIGRATION
       ELECTRON MOBILITY
```

```
      HOLES (ELECTRON DEFICIENCIES)
    % SOLID STATE PHYSICS

% HOLES
  0905 1104 2602
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   BOREHOLES
       CAVITIES
       CORONAL HOLES
       GAPS
       HOLES (ELECTRON DEFICIENCIES)
       HOLES (MECHANICS)

HOLES (ELECTRON DEFICIENCIES)
  1002 2602 2603
  UF   ELECTRON HOLES
  GS   CHARGE CARRIERS
       #HOLES (ELECTRON DEFICIENCIES)
  RT   ACCEPTOR MATERIALS
       CRYSTAL DEFECTS
       DONOR MATERIALS
       ELECTRONS
       EXCITONS
       HOLE DISTRIBUTION (ELECTRONICS)
       HOLE MOBILITY
    % HOLES
       MAJORITY CARRIERS
    % MATERIALS
       MINORITY CARRIERS
       ORDER-DISORDER TRANSFORMATIONS
       P-TYPE SEMICONDUCTORS
       SEMICONDUCTOR PLASMAS
       SEMICONDUCTORS (MATERIALS)
       SUHL EFFECT
       VACANCIES (CRYSTAL DEFECTS)

HOLES (MECHANICS)
  1401
  RT   CAVITIES
       HOLE DISTRIBUTION (MECHANICS)
       HOLE GEOMETRY (MECHANICS)
    % HOLES
       PERFORATED PLATES
       PERFORATED SHELLS
    % PERFORATION
       POROUS BOUNDARY LAYER CONTROL

HOLLAND
  USE  NETHERLANDS

% HOLLOW
  1305 1306
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   CAVITIES
     % DEPRESSION
       RECESSES

HOLLOW CATHODES
  0604 0904 0905 2304
  GS   ELECTRODES
       .CATHODES
       .#HOLLOW CATHODES
  RT   TUBE CATHODES
       TUNNEL CATHODES

HOLMIUM
  0603 1703
  GS   CHEMICAL ELEMENTS
       .RARE EARTH ELEMENTS
       .#HOLMIUM
       ...HOLMIUM ISOTOPES
       METALS
       .RARE EARTH ELEMENTS
       .#HOLMIUM
       ...HOLMIUM ISOTOPES

HOLMIUM ISOTOPES
  0603 1703
  GS   CHEMICAL ELEMENTS
       .NUCLIDES
       ..ISOTOPES
       ..#HOLMIUM ISOTOPES
       .RARE EARTH ELEMENTS
       ..HOLMIUM
       ..#HOLMIUM ISOTOPES
       METALS
       .RARE EARTH ELEMENTS
       ..HOLMIUM
       ..#HOLMIUM ISOTOPES

HOLOGRAMMETRY
  1400 2310
  RT   HOLOGRAPHY
       IMAGING TECHNIQUES
       PHOTOGRAPHIC RECORDING
       PHOTOMAPPING
       SPECKLE HOLOGRAPHY
       TERRAIN ANALYSIS

HOLOGRAPHIC INTERFEROMETRY
  1405 1407 2310
  GS   INTERFEROMETRY
       #HOLOGRAPHIC INTERFEROMETRY
  RT   COHERENT LIGHT
       DIFFRACTION PATTERNS
       HOLOGRAPHY
       LASER OUTPUTS
       MOIRE INTERFEROMETRY
       SCATTER PLATES (OPTICS)
       SPECKLE HOLOGRAPHY
       WAVE FRONT RECONSTRUCTION

HOLOGRAPHIC SPECTROSCOPY
  1411 2310
  GS   SPECTROSCOPY
       #HOLOGRAPHIC SPECTROSCOPY
  RT   FOURIER TRANSFORMATION
       HOLOGRAPHY
       SPECTRUM ANALYSIS
       WAVE FRONT RECONSTRUCTION

HOLOGRAPHIC SUBTRACTION
  1407
  UF   SELF SUBTRACTION HOLOGRAPHY
  RT   HOLOGRAPHY

HOLOGRAPHY
  1407 1601 2402 3501
  GS   IMAGERY
       #HOLOGRAPHY
       ..ACOUSTICAL HOLOGRAPHY
       ..MICROWAVE HOLOGRAPHY
       ..SPECKLE HOLOGRAPHY
       ..WHITE LIGHT HOLOGRAPHY
       PHOTOGRAPHY
       #HOLOGRAPHY
       ..ACOUSTICAL HOLOGRAPHY
       ..MICROWAVE HOLOGRAPHY
       ..SPECKLE HOLOGRAPHY
       ..WHITE LIGHT HOLOGRAPHY
  RT   COHERENT ELECTROMAGNETIC RADIATION
       COHERENT LIGHT
       DATA STORAGE
       DIFFERENTIAL INTERFEROMETRY
       HOLE BURNING
       HOLOGRAMMETRY
       HOLOGRAPHIC INTERFEROMETRY
       HOLOGRAPHIC SPECTROSCOPY
       HOLOGRAPHIC SUBTRACTION
       IMAGE CORRELATORS
       IMAGE RECONSTRUCTION
       KINOFORM
       LASERS
       OPTICAL MEMORY (DATA STORAGE)
       SCATTER PLATES (OPTICS)
       SPATIAL FILTERING
       SPECKLE PATTERNS
       WAVE FRONT RECONSTRUCTION

HOLOMORPHISM
  USE  ANALYTIC FUNCTIONS
```

```
HOMEOSTASIS
  0404 0504
  RT   ACCLIMATIZATION
       ACID BASE EQUILIBRIUM
       ADAPTATION
       BODY TEMPERATURE
       COLD TOLERANCE
       COLLOIDS
     % EQUILIBRIUM
       FIBRINOGEN
       HORMONES
       METABOLISM
       NERVOUS SYSTEM
       OSMOSIS
       PHYSIOLOGY
       RESPIRATORY SYSTEM
       SKIN (ANATOMY)
       STRESS (PHYSIOLOGY)
       THERMOREGULATION
       THROMBOPLASTIN
       WATER BALANCE

HOMEOTHERMS
  0402 0404 0408
  UF   WARM BLOODED ANIMALS
  GS   ANIMALS
       #HOMEOTHERMS
  RT   BIRDS
       BODY TEMPERATURE
       MAMMALS
       VERTEBRATES

HOMING
  0702 0708 0709 1109 2102 3407
  RT   AUTOMATIC PILOTS
       BEACONS
       GUIDANCE (MOTION)
       MISSILE CONTROL
       RADIO DIRECTION FINDERS
       TERMINAL GUIDANCE

HOMING DEVICES
  0705 2102 3101
  UF   SEEKERS
  RT   BEACONS
       GUIDANCE (MOTION)
       INFRARED TRACKING
       LASER GUIDANCE
       MISSILES
       NAVIGATION
       NAVIGATION AIDS
       RADIO BEACONS
       RADIO DIRECTION FINDERS
       RADIO NAVIGATION
       RENDEZVOUS GUIDANCE
       SOLAR COMPASSES
       TRAJECTORY CONTROL

HOMODYNE RECEPTION
  0702 0705 0710
  RT   FREQUENCY SYNCHRONIZATION
       RADIO RECEPTION
       SIGNAL RECEPTION

HOMOGENEITY
  3408
  RT   ANISOTROPIC MEDIA
       HOMOGENIZING
       SAMPLING
       STATISTICAL TESTS
       UNITY
       VARIANCE (STATISTICS)

HOMOGENEOUS TURBULENCE
  1202 1902 2308 3408
  GS   TURBULENCE
       #HOMOGENEOUS TURBULENCE
  RT   ATMOSPHERIC TURBULENCE
       FLUCTUATION THEORY
       ISOTROPIC TURBULENCE
       LOW LEVEL TURBULENCE
       MAGNETOHYDRODYNAMIC TURBULENCE

HOMOGENIZATION
  USE  HOMOGENIZING

HOMOGENIZING
  3407
  UF   HOMOGENIZATION
  GS   MIXING
       #HOMOGENIZING
  RT   AGITATION
       COLLOIDING
       COMPOUNDING
       DISPERSING
       DISSOLVING
       HOMOGENEITY
       PREMIXING
     % SEPARATION
       SUSPENDING (MIXING)

HOMOJUNCTIONS
  0906
  GS   SEMICONDUCTOR JUNCTIONS
       #HOMOJUNCTIONS
  RT   HETEROJUNCTION DEVICES
       HETEROJUNCTIONS
       SILICON JUNCTIONS
       SOLAR CELLS

HOMOLOGY
  3408
  UF   COHOMOLOGY
  RT   ANALOGIES
       DUALITY THEOREM
       MATCHING
     % RELATIONSHIPS
       TOPOLOGY

HOMOMORPHISMS
  3408
  GS   ALGEBRA
       .GROUP THEORY
       .#HOMOMORPHISMS
       ...AUTOMORPHISMS
       ...MONOIDS
       ...SUBGROUPS
  RT   FIELD THEORY (ALGEBRA)
       ISOMORPHISM

HOMOPOLAR GENERATORS
  1504
  GS   ELECTRIC GENERATORS
       .ROTATING GENERATORS
       .#HOMOPOLAR GENERATORS
  RT   DIRECT CURRENT
     % ELECTRIC EQUIPMENT
       ELECTROMECHANICAL DEVICES
     % GENERATORS

HOMOSPHERE
  1302 3009
  GS   EARTH ATMOSPHERE
       #HOMOSPHERE
  RT   BIOSPHERE
       CHEMOSPHERE
       EARTH IONOSPHERE
       LOWER ATMOSPHERE
       MESOSPHERE
       MIDDLE ATMOSPHERE
       OZONOSPHERE
       STRATOSPHERE
       THERMOSPHERE
       TROPOSPHERE
       UPPER ATMOSPHERE

HOMOTOPY THEORY
  1902
  GS   GEOMETRY
       .TOPOLOGY
       .#HOMOTOPY THEORY
  RT   CURVES (GEOMETRY)
       FIBERS (MATHEMATICS)
     % THEORIES
```

```
HOMOTROPY
  0404 0409
  RT   ALGEBRA
       PROBLEM SOLVING
       SET THEORY
       TOPOLOGY

HONDURAS
  1305
  GS   NATIONS
       #HONDURAS
  RT   CENTRAL AMERICA

HONEST JOHN ROCKET VEHICLE
  2809 3106 3401
  GS   ROCKET VEHICLES
       .SINGLE STAGE ROCKET VEHICLES
       .#HONEST JOHN ROCKET VEHICLE
       .SURFACE TO SURFACE ROCKETS
       .#HONEST JOHN ROCKET VEHICLE
  RT   ARGO ROCKET VEHICLES
       EXOS SOUNDING ROCKET
       HERCULES ENGINE
       SOLID PROPELLANT ROCKET ENGINES
       TRAILBLAZER 1 REENTRY VEHICLE

HONEYCOMB CORES
  3202 3203
  GS   CORES
       #HONEYCOMB CORES
       HONEYCOMB STRUCTURES
       #HONEYCOMB CORES
  RT   CERAMIC HONEYCOMBS
       COMPOSITE STRUCTURES
       LOW DENSITY MATERIALS
       SANDWICH STRUCTURES

HONEYCOMB STRUCTURES
  3202
  GS  #HONEYCOMB STRUCTURES
       .HONEYCOMB CORES
  RT % CELLS
       CERAMIC HONEYCOMBS
       COMPOSITE STRUCTURES
       HEXAGONAL CELLS
       INSULATION
       LAMINATES
       LOW DENSITY MATERIALS
       METAL FOILS
       POROUS MATERIALS
       SANDWICH STRUCTURES
     % STRUCTURES

HONEYWELL ADEPT COMPUTER
  0801
  GS   DATA PROCESSING EQUIPMENT
       .COMPUTERS
       ..DIGITAL COMPUTERS
       ...HONEYWELL COMPUTERS
       ...#HONEYWELL ADEPT COMPUTER

HONEYWELL COMPUTERS
  0801
  GS   DATA PROCESSING EQUIPMENT
       .COMPUTERS
       ..DIGITAL COMPUTERS
       ..#HONEYWELL COMPUTERS
       ....DDP 516 COMPUTER
       ....HONEYWELL ADEPT COMPUTER
       ....HONEYWELL DDP 116 COMPUTER
       ....HONEYWELL 600/6000 COMPUTER

HONEYWELL DDP 116 COMPUTER
  0801
  GS   DATA PROCESSING EQUIPMENT
       .COMPUTERS
       ..DIGITAL COMPUTERS
       ...HONEYWELL COMPUTERS
       ...#HONEYWELL DDP 116 COMPUTER

HONEYWELL 600/6000 COMPUTER
  0801 0802
  GS   DATA PROCESSING EQUIPMENT
       .COMPUTERS
       ..ANALOG COMPUTERS
       ..#HONEYWELL 600/6000 COMPUTER
       ..DIGITAL COMPUTERS
       ...HONEYWELL COMPUTERS
       ...#HONEYWELL 600/6000 COMPUTER

HONG KONG
  1305
  RT   ASIA
       CHINA
       NATIONS
       TAIWAN

HONING
  1504 1704
  RT   SCRAPERS
       SMOOTHING

HOOKES LAW
  2311 3203
  GS   LAWS
       #HOOKES LAW
  RT   ELASTIC PROPERTIES
       FIBER STRENGTH
       MAXWELL BODIES
       MODULUS OF ELASTICITY
       SHEAR PROPERTIES
       STRESS-STRAIN DIAGRAMS

HOOKS
  1103 1502 1504 1507
  RT   FASTENERS
       FORKS
       SWIVELS

HOOP COLUMN ANTENNAS
  0701
  GS   ANTENNAS
       #HOOP COLUMN ANTENNAS
  RT   LARGE SPACE STRUCTURES
       SATELLITE COMMUNICATION
       SPACECRAFT COMMUNICATION

HOOPS
  1504 1902 3203
  RT   RING STRUCTURES
       TENSILE STRESS

HOPCALITE (TRADEMARK)
  0508 0603 1804
  GS   CATALYSTS
       #HOPCALITE (TRADEMARK)
       CHALCOGENIDES
       .OXIDES
       ..METAL OXIDES
       ...MANGANESE OXIDES
       ...#HOPCALITE (TRADEMARK)
       MANGANESE COMPOUNDS
       .MANGANESE OXIDES
       .#HOPCALITE (TRADEMARK)
  RT   AIR PURIFICATION
       CARBON MONOXIDE
       GAS ANALYSIS

HOPPERS
  1504
  RT % CONTAINERS
       MATERIALS HANDLING
       PACKAGING

HORIZON
  1303 1304
  GS  #HORIZON
       .RADIO HORIZONS
  RT   CELESTIAL SPHERE
       EVENT HORIZON
       GYRO HORIZONS
       RANGE (EXTREMES)

HORIZON SCANNERS
```

1404 3006 3107
UF HORIZON SENSING
INFRARED HORIZON SCANNERS
GS FLIGHT INSTRUMENTS
#HORIZON SCANNERS
SCANNERS
#HORIZON SCANNERS
RT ATTITUDE CONTROL
INFRARED SCANNERS
NAVIGATION INSTRUMENTS
OPTICAL EQUIPMENT
PHOTOMETERS
RADIO HORIZONS
RADIOMETERS
SCANNER PROJECT

HORIZON SENSING
USE HORIZON SCANNERS

HORIZONTAL BRANCH STARS
3001
GS CELESTIAL BODIES
.STARS
.#HORIZONTAL BRANCH STARS
RT COLOR-MAGNITUDE DIAGRAM
GIANT STARS
GLOBULAR CLUSTERS
HERTZSPRUNG-RUSSELL DIAGRAM
STELLAR EVOLUTION
STELLAR LUMINOSITY
STELLAR SPECTRA
STELLAR SPECTROPHOTOMETRY

HORIZONTAL DISTRIBUTION
RT ATMOSPHERIC CIRCULATION
ATMOSPHERIC COMPOSITION
ATMOSPHERIC MODELS
HORIZONTAL ORIENTATION
SPATIAL DISTRIBUTION
VERTICAL DISTRIBUTION

HORIZONTAL FLIGHT
0101 0201 2103
RT AERODYNAMIC BALANCE
AIRCRAFT STABILITY
CLIMBING FLIGHT
CRUISING FLIGHT
% FLIGHT
FLIGHT PATHS
ROCKET FLIGHT
SOARING
TRANSITION FLIGHT
TURNING FLIGHT

HORIZONTAL ORIENTATION
0502
RT ALIGNMENT
ATTITUDE (INCLINATION)
DIRECTIONAL STABILITY
DYNAMIC STABILITY
HORIZONTAL DISTRIBUTION
% ORIENTATION
STABILIZATION
VERTICAL ORIENTATION

HORIZONTAL SPACECRAFT LANDING
0104 0201 0203
GS LANDING
.GLIDE LANDINGS
.#HORIZONTAL SPACECRAFT LANDING
.SPACECRAFT LANDING
.#HORIZONTAL SPACECRAFT LANDING
RT APPROACH AND LANDING TESTS (STS)
CRASH LANDING
PLANETARY LANDING
SOFT LANDING
WATER LANDING

HORIZONTAL STABILIZERS
USE STABILIZERS (FLUID DYNAMICS)

HORIZONTAL TAIL SURFACES
0101 0104
UF TAIL PLANES
GS AIRFOILS
#HORIZONTAL TAIL SURFACES
CONTROL SURFACES
#HORIZONTAL TAIL SURFACES
STABILIZERS (FLUID DYNAMICS)
#HORIZONTAL TAIL SURFACES
TAIL SURFACES
#HORIZONTAL TAIL SURFACES
RT AERIAL RUDDERS
ELEVATORS (CONTROL SURFACES)
% SURFACES
TAIL ASSEMBLIES
TRAPEZOIDAL TAIL SURFACES

HORIZONTALLY POLARIZED SHEAR WAVES
USE SH WAVES

HORMONE METABOLISMS
0404 0408
GS METABOLISM
#HORMONE METABOLISMS
RT HORMONES

HORMONES
0403 0404 0408
GS SECRETIONS
.ENDOCRINE SECRETIONS
.#HORMONES
...CORTICOSTEROIDS
....ALDOSTERONE
....HYDROXYCORTICOSTEROID
.....CORTISONE
...ESTROGENS
...HYPERTENSIN
...PITUITARY HORMONES
....ADRENOCORTICOTROPIN (ACTH)
...PROSTAGLANDINS
...THYROXINE
RT CATECHOLAMINE
ENDOCRINE SYSTEMS
HOMEOSTASIS
HORMONE METABOLISMS
REGULATORY MECHANISMS (BIOLOGY)
STEROIDS

HORN ANTENNAS
0901 2402
GS ANTENNAS
.DIRECTIONAL ANTENNAS
.#HORN ANTENNAS
.RADIO ANTENNAS
..MICROWAVE ANTENNAS
..#HORN ANTENNAS
.WAVEGUIDE ANTENNAS
.#HORN ANTENNAS
MICROWAVE EQUIPMENT
.MICROWAVE ANTENNAS
.#HORN ANTENNAS
RADIO EQUIPMENT
.RADIO ANTENNAS
..MICROWAVE ANTENNAS
..#HORN ANTENNAS
RT ANTENNA DESIGN
LENS ANTENNAS
PARABOLIC ANTENNAS
RADAR ANTENNAS
SCHELKUNOFF PRINCIPLE
SIDELOBE REDUCTION
SLOT ANTENNAS

HORNS
0901 2402
RT AUDITORY SIGNALS
SCHWARZSCHILD ANTENNAS
% SIGNALS
SIRENS
SOUND GENERATORS
WARNING
WARNING SYSTEMS

HORSEPOWER

```
  2311
  RT   PHYSICAL WORK
     % POWER
       POWER EFFICIENCY
       WORK

HORSES
  0402
  GS   ANIMALS
       .VERTEBRATES
       ..MAMMALS
       ..#HORSES
  RT   GRAZING
       LIVESTOCK

HORSESHOE VORTICES
  0101 1202 1203
  UF   HAIRPIN VORTICES
  GS   VORTICES
       #HORSESHOE VORTICES
  RT   ABRIKOSOV THEORY
       FLOW DISTORTION
       FLOW GEOMETRY
       VORTEX FILAMENTS
       VORTEX GENERATORS
       VORTEX RINGS
       VORTICITY
       WAKES
       WING TIP VORTICES

HOSES
  1504
  RT   PIPES (TUBES)
     % TUBES

HOSPITALS
  0405
  RT   EVACUATING (TRANSPORTATION)
       MEDICAL EQUIPMENT

HOT AIR
  USE  HIGH TEMPERATURE AIR

HOT ATOMS
  1804
  GS   ATOMS
       #HOT ATOMS
  RT   BETA PARTICLES
       DECAY
       NEUTRON DECAY

HOT CATHODES
  0903 2402
  GS   ELECTRODES
       .CATHODES
       ..TUBE CATHODES
       ..#HOT CATHODES
  RT   BAYARD-ALPERT IONIZATION GAGES
       IONIZATION GAGES
       THERMIONIC CATHODES

HOT CORROSION
  1302
  GS   CORROSION
       #HOT CORROSION
  RT   COATINGS
       DAMAGE
       DEGRADATION
       DETERIORATION
       EROSION
       GAS-METAL INTERACTIONS
       METAL COATINGS
       OXIDATION
       PITTING
       RUSTING
       SCALE (CORROSION)
       SURFACE PROPERTIES
       TEMPERATURE DEPENDENCE

HOT CYCLE PROPULSION SYSTEM
  USE  TIP DRIVEN ROTORS

HOT ELECTRONS
  2401 2403
  GS   PARTICLES
       .CHARGED PARTICLES
       ..ENERGETIC PARTICLES
       ...ELECTRONS
       ...#HOT ELECTRONS

HOT EXTRUDING
  USE  EXTRUDING

HOT FORMING
  USE  HOT WORKING

HOT GAS SYSTEMS
  USE  HIGH TEMPERATURE GASES

HOT GASES
  USE  HIGH TEMPERATURE GASES

HOT ISOSTATIC PRESSING
  1704 1805 3407
  UF   HIP (PROCESS)
  GS   HARDENING (MATERIALS)
       .HOT PRESSING
       .#HOT ISOSTATIC PRESSING
       THERMOMECHANICAL TREATMENT
       .HOT PRESSING
       .#HOT ISOSTATIC PRESSING
  RT   COINING
       COLD PRESSING
       COMPACTING
       FORGING
       ISOSTATIC PRESSURE
       METAL WORKING
     % PRESSING
       PRESSING (FORMING)
       SINTERING
       STAMPING
       UPSETTING

HOT JET EXHAUST
  USE  HIGH TEMPERATURE GASES
       JET EXHAUST

HOT JETS
  USE  JET FLOW

HOT MACHINING
  0602 1504 1704 3404
  GS   MACHINING
       #HOT MACHINING
  RT   FORMING TECHNIQUES

HOT PLASMAS
  USE  HIGH TEMPERATURE PLASMAS

HOT PRESSING
  1504 1704 3404
  GS   HARDENING (MATERIALS)
       #HOT PRESSING
       ..HOT ISOSTATIC PRESSING
       THERMOMECHANICAL TREATMENT
       #HOT PRESSING
       ..HOT ISOSTATIC PRESSING
  RT   COINING
       COLD PRESSING
       COMPACTING
       FORGING
       METAL WORKING
     % PRESSING
       PRESSING (FORMING)
       SINTERING
       STAMPING
       UPSETTING

HOT STARS
  2903 3001 3002
  GS   CELESTIAL BODIES
       .STARS
       ..EARLY STARS
       ..#HOT STARS
       ....A STARS
```

....B STARS
.....SIGMA ORIONIS
....BLUE STARS
....O STARS
....WHITE DWARF STARS
....WOLF-RAYET STARS
RT CATACLYSMIC VARIABLES
PECULIAR STARS
RED DWARF STARS

HOT SURFACES
3303 3304 3501
RT HEAT TRANSFER
RAYLEIGH-BENARD CONVECTION
% SURFACES

HOT WATER ROCKET ENGINES
2804 3106
GS ENGINES
.ROCKET ENGINES
.#HOT WATER ROCKET ENGINES

HOT WEATHER
2001 2003
GS WEATHER
#HOT WEATHER
RT HEAT STROKE
SUMMER
TROPICAL REGIONS

HOT WORKING
0602 1704 3404
UF HOT FORMING
GS FORMING TECHNIQUES
#HOT WORKING
..AUSFORMING
RT BULGING
FORGING
METAL DRAWING
METAL SPINNING
METAL WORKING
PULTRUSION
SHEARING
UPSETTING

HOT-FILM ANEMOMETERS
1203 1406 1408 3501
GS MEASURING INSTRUMENTS
.ANEMOMETERS
.#HOT-FILM ANEMOMETERS
RT FLOW MEASUREMENT
METEOROLOGICAL INSTRUMENTS
SONIC ANEMOMETERS
VELOCITY MEASUREMENT
WIND (METEOROLOGY)
WIND MEASUREMENT
WIND VANES
WIND VELOCITY
WIND VELOCITY MEASUREMENT

HOT-WIRE ANEMOMETERS
1402 1406 1408 2002 3304 3501
GS MEASURING INSTRUMENTS
.ANEMOMETERS
.#HOT-WIRE ANEMOMETERS
RT FLOW MEASUREMENT
FLOWMETERS
METEOROLOGICAL INSTRUMENTS
VELOCITY MEASUREMENT

HOT-WIRE FLOWMETERS
1203 1408 3304 3501
UF HOT-WIRE TURBULENCE METERS
GS MEASURING INSTRUMENTS
.FLOWMETERS
.#HOT-WIRE FLOWMETERS
RT PIRANI GAGES
PLASMA ELECTRODES
THERMAL CONDUCTIVITY
TURBULENCE METERS

HOT-WIRE TURBULENCE METERS
USE HOT-WIRE FLOWMETERS
TURBULENCE METERS

HOTOL LAUNCH VEHICLE
3103 3104 3105 3110 3501
GS AEROSPACE VEHICLES
.AEROSPACE PLANES
.#HOTOL LAUNCH VEHICLE
LAUNCH VEHICLES
.REUSABLE LAUNCH VEHICLES
..SINGLE STAGE TO ORBIT VEHICLES
..#HOTOL LAUNCH VEHICLE
MANEUVERABLE SPACECRAFT
.AEROSPACE PLANES
.#HOTOL LAUNCH VEHICLE
MANNED SPACECRAFT
.AEROSPACE PLANES
.#HOTOL LAUNCH VEHICLE
REENTRY VEHICLES
.RECOVERABLE SPACECRAFT
..REUSABLE SPACECRAFT
...AEROSPACE PLANES
...#HOTOL LAUNCH VEHICLE
SOFT LANDING SPACECRAFT
.AEROSPACE PLANES
.#HOTOL LAUNCH VEHICLE
UNMANNED SPACECRAFT
#HOTOL LAUNCH VEHICLE
RT LAUNCH VEHICLE CONFIGURATIONS
SPACE SHUTTLES
SPACE TRANSPORTATION
SPACECRAFT LAUNCHING
UK SPACE PROGRAM
% VEHICLES

HOTSHOT WIND TUNNELS
1106 1110
GS TEST FACILITIES
.WIND TUNNELS
..HYPERSONIC WIND TUNNELS
..#HOTSHOT WIND TUNNELS
..HYPERVELOCITY WIND TUNNELS
..#HOTSHOT WIND TUNNELS
RT BLOWDOWN WIND TUNNELS
SHOCK TUBES
SHOCK TUNNELS

HOUND DOG MISSILE
3101 3401
GS MISSILES
.AIR TO SURFACE MISSILES
.#HOUND DOG MISSILE
RT TURBOJET ENGINES

HOUSEHOLDER TRANSFORMATIONS
1902
GS TRANSFORMATIONS (MATHEMATICS)
#HOUSEHOLDER TRANSFORMATIONS
RT PROBLEM SOLVING

HOUSEKEEPING (SPACECRAFT)
0504 0505 0506 0507
GS CLEANING
#HOUSEKEEPING (SPACECRAFT)
CLEANLINESS
#HOUSEKEEPING (SPACECRAFT)
RT HYGIENE
SANITATION
STERILIZATION
WASHING

HOUSINGS
0506 0507 1106 3501
GS #HOUSINGS
.COWLINGS
.DOGHOUSES (ELECTRONICS)
.RADOMES
RT % CONTAINERS
COVERINGS
DOMES (STRUCTURAL FORMS)
ENCLOSURE
ENCLOSURES
FAIRINGS

GUARDS (SHIELDS)
NACELLES
PERFORATED SHELLS
PROTECTION
PROTECTORS
PROTUBERANCES
SHELLS (STRUCTURAL FORMS)
SHIELDING
WALLS

HOUSTON (TX)
1305
GS CITIES
#HOUSTON (TX)
RT TEXAS

HOVERCRAFT
USE GROUND EFFECT MACHINES

HOVERCRAFT GROUND EFFECT MACHINES
0205
UF HD-1 GROUND EFFECT MACHINES
GS GROUND EFFECT MACHINES
#HOVERCRAFT GROUND EFFECT MACHINES
RT % AIRCRAFT
RESEARCH AIRCRAFT
WATER TAKEOFF AND LANDING AIRCRAFT

HOVERING
0201 0205 0206 0209 3407
GS MANEUVERS
#HOVERING
RT AERODYNAMIC STABILITY
CUSHIONCRAFT GROUND EFFECT MACHINE
FLUTTER
GROUND EFFECT MACHINES
HOVERING ROCKET VEHICLES
TRANSITION FLIGHT
V/STOL AIRCRAFT
VERTICAL FLIGHT
WHIRL TOWERS

HOVERING ROCKET VEHICLES
3106
GS ROCKET VEHICLES
#HOVERING ROCKET VEHICLES
RT HOVERING
SOFT LANDING SPACECRAFT
% VEHICLES

HOVERING STABILITY
0104 0201
GS DYNAMIC CHARACTERISTICS
.DYNAMIC STABILITY
..MOTION STABILITY
...AIRCRAFT STABILITY
...#HOVERING STABILITY
STABILITY
.DYNAMIC STABILITY
..MOTION STABILITY
...AIRCRAFT STABILITY
...#HOVERING STABILITY
RT ATTITUDE STABILITY
DIRECTIONAL STABILITY
GYROSCOPIC STABILITY
LATERAL STABILITY
LONGITUDINAL STABILITY
LOW SPEED STABILITY
WHIRL TOWERS

HOWITZERS
3302 3401
GS WEAPONS
.GUNS (ORDNANCE)
..ARTILLERY
..#HOWITZERS
RT BALLISTICS
GUN LAUNCHERS
GUNNERY TRAINING

HP-115 AIRCRAFT
0207
UF HANDLEY PAGE HP-115 AIRCRAFT
GS HANDLEY PAGE AIRCRAFT
#HP-115 AIRCRAFT
JET AIRCRAFT
#HP-115 AIRCRAFT
MONOPLANES
#HP-115 AIRCRAFT
RESEARCH AIRCRAFT
#HP-115 AIRCRAFT
TAILLESS AIRCRAFT
#HP-115 AIRCRAFT
RT % AIRCRAFT
WING PLANFORMS

HPRR
USE HEALTH PHYSICS RESEARCH REACTOR

HR DIAGRAM
USE HERTZSPRUNG-RUSSELL DIAGRAM

HRB-1 HELICOPTER
USE CH-46 HELICOPTER

HS-125 AIRCRAFT
USE DH 125 AIRCRAFT

HS-748 AIRCRAFT
0204
UF AVRO WHITWORTH HS-748 AIRCRAFT
GS HAWKER SIDDELEY AIRCRAFT
#HS-748 AIRCRAFT
JET AIRCRAFT
.TURBOPROP AIRCRAFT
.#HS-748 AIRCRAFT
MONOPLANES
#HS-748 AIRCRAFT
PASSENGER AIRCRAFT
#HS-748 AIRCRAFT
RT % AIRCRAFT

HS-801 AIRCRAFT
0204
GS HAWKER SIDDELEY AIRCRAFT
#HS-801 AIRCRAFT
JET AIRCRAFT
#HS-801 AIRCRAFT
RECONNAISSANCE AIRCRAFT
#HS-801 AIRCRAFT
RT AERIAL RECONNAISSANCE
% AIRCRAFT
OBSERVATION AIRCRAFT
PHOTOGRAPHY
PHOTORECONNAISSANCE

HSS-2 HELICOPTER
USE SH-3 HELICOPTER

HTGR
USE HIGH TEMPERATURE GAS COOLED REACTORS

HTPB PROPELLANTS
2702
GS PROPELLANTS
.SOLID PROPELLANTS
..SOLID ROCKET PROPELLANTS
..#HTPB PROPELLANTS
RT PLASTIC PROPELLANTS
POLYBUTADIENE

HTSC (SUPERCONDUCTORS)
USE HIGH TEMPERATURE SUPERCONDUCTORS

HU-1 HELICOPTER
USE UH-1 HELICOPTER

HUBBLE CONSTANT
3001
GS CONSTANTS
#HUBBLE CONSTANT
RT COSMOLOGY
GALAXIES
IRREGULAR GALAXIES

```
        RED SHIFT
        VELOCITY MEASUREMENT

HUBBLE DIAGRAM
  3003
  GS    COSMOLOGY
        #HUBBLE DIAGRAM
  RT    BARRED GALAXIES
        GALACTIC RADIATION
        GALAXIES
        IRREGULAR GALAXIES
        RED SHIFT
        VELOCITY MEASUREMENT

HUBBLE SPACE TELESCOPE
  1412 3001
  UF    LARGE SPACE TELESCOPE
        LST
  GS    ARTIFICIAL SATELLITES
        .SCIENTIFIC SATELLITES
        ..ASTRONOMICAL SATELLITES
        ..#HUBBLE SPACE TELESCOPE
        OBSERVATORIES
        .ASTRONOMICAL OBSERVATORIES
        ..ASTRONOMICAL SATELLITES
        ..#HUBBLE SPACE TELESCOPE
        TELESCOPES
        .SPACEBORNE TELESCOPES
        .#HUBBLE SPACE TELESCOPE
  RT    FAINT OBJECT CAMERA
        SPACE SHUTTLE PAYLOADS
        SPACEBORNE ASTRONOMY
        ULTRAVIOLET ASTRONOMY

HUBS
  1504
  UF    ROTOR HUBS
  RT    SPOKES
        WHEELS

HUDSON BAY (CANADA)
  1305
  GS    BAYS (TOPOGRAPHIC FEATURES)
        #HUDSON BAY (CANADA)
  RT    CANADA

HUDSON RIVER (NY-NJ)
  1305
  GS    RIVERS
        #HUDSON RIVER (NY-NJ)
  RT    NEW JERSEY
        NEW YORK

HUECKEL THEORY
  0602 0603 2401 2404
  RT % THEORIES

HUGHES AIRCRAFT
  0207
  GS  #HUGHES AIRCRAFT
        .AH-64 HELICOPTER
        .H-17 HELICOPTER
        .OH-6 HELICOPTER
        .TH-55 HELICOPTER
        .XV-9A AIRCRAFT
  RT % AIRCRAFT

HUGONIOT ADIABAT
  USE   HUGONIOT EQUATION OF STATE

HUGONIOT EQUATION OF STATE
  0602 2308 2401
  UF    HUGONIOT ADIABAT
  GS    EQUATIONS OF STATE
        #HUGONIOT EQUATION OF STATE
  RT    COMPRESSIBLE FLOW
      % EQUATIONS
        LOADS (FORCES)
        ONE DIMENSIONAL FLOW
        SHOCK WAVES

HUL
  USE   HARDWARE UTILIZATION LISTS

HULLS (STRUCTURES)
  0102 1103 3202
  GS  #HULLS (STRUCTURES)
        .SHIP HULLS
  RT    AIRCRAFT STRUCTURES
        BAYS (STRUCTURAL UNITS)
        BULKHEADS
        FUSELAGES
        HYDROFOILS
        KEELS
        METAL SHELLS
        PERFORATED SHELLS
        SEAPLANES
        SHELLS (STRUCTURAL FORMS)
        SKIN (STRUCTURAL MEMBER)
        STRAKES
        SWATH (SHIP)

HUM
  0702 0704 0705 2301
  RT    ACOUSTICS
      % INTERFERENCE
      % NOISE

HUMAN BEHAVIOR
  0408 0410
  GS    BEHAVIOR
        #HUMAN BEHAVIOR
  RT    BOREDOM
        DETACHMENT
        DISORDERS
        DITHERS
        EMOTIONS
        EXTROVERSION
        INTROVERSION
        LETHARGY
        NEUROPSYCHIATRY
        PANIC

HUMAN BEINGS
  0401 0402 0404 0405 0408 0410 0506
  UF    MAN
  GS    ANIMALS
        .VERTEBRATES
        ..MAMMALS
        ...PRIMATES
        ...#HUMAN BEINGS
  RT    ABORIGINES
        ANTHROPOLOGY
        CENSUS
        CHILDREN
        CHIMPANZEES
        CLINICAL MEDICINE
        CULTURAL RESOURCES
        DEMOGRAPHY
        FEMALES
        MALES
        MAN ENVIRONMENT INTERACTIONS
        PARENTS
        PATIENTS
        RACE FACTORS
        RACES (ANTHROPOLOGY)
        YOUTH

HUMAN BODY
  0404 0405 0408 0506 0508
  GS    ANATOMY
        #HUMAN BODY
  RT    APPENDAGES
      % BODIES
        BODY MEASUREMENT (BIOLOGY)
        EXERCISE PHYSIOLOGY
        LIMBS (ANATOMY)
        LUMBAR REGION
        POSTURE
        SCIATIC REGION

HUMAN CENTRIFUGES
  0401 0408 0502 0506
  UF    PILOTED CENTRIFUGES
  GS    CENTRIFUGES
```

```
      #HUMAN CENTRIFUGES
  RT  ACCELERATION TOLERANCE
      ARTIFICIAL GRAVITY
      HIGH GRAVITY ENVIRONMENTS

HUMAN ENGINEERING
  USE HUMAN FACTORS ENGINEERING

HUMAN FACTORS ENGINEERING
  0408 0504 0505 0506 4001
  UF  ERGONOMICS
      HUMAN ENGINEERING
  GS  #HUMAN FACTORS ENGINEERING
      .MOTION SIMULATION
  RT  ABILITIES
    % AERONAUTICS
      AIRCRAFT ACCIDENTS
      AIRCRAFT HAZARDS
      ANTHROPOMETRY
      ARCHITECTURE
      ASTRONAUT MANEUVERING EQUIPMENT
      ASTRONAUT PERFORMANCE
    % ASTRONAUTICS
      BIOENGINEERING
      BIOFEEDBACK
      BIONICS
      BODY MEASUREMENT (BIOLOGY)
      BRIGHTNESS
      COLOR
      COMFORT
      CYBERNETICS
      EDUCATION
      EFFICIENCY
    % ENGINEERING
      ENVIRONMENTAL ENGINEERING
      ENVIRONMENTS
      FATIGUE (BIOLOGY)
    % FLIGHT STRESS
      GLARE
      HUMAN RESOURCES
      HUMAN-COMPUTER INTERFACE
      ILLUMINATING
      LIFE SUPPORT SYSTEMS
      MAN MACHINE SYSTEMS
      MANNED SPACE FLIGHT
      MANUAL CONTROL
      MONOCULAR VISION
      NOISE (SOUND)
    % PERFORMANCE
      PILOT ERROR
      PRODUCTION ENGINEERING
      PSYCHOLOGICAL EFFECTS
      SAFETY DEVICES
      SAFETY MANAGEMENT
      SYSTEMS ENGINEERING
      TELEOPERATORS
      VISIBILITY
      VISION
      WHEELCHAIRS
      WORKSTATIONS

HUMAN FACTORS LABORATORIES
  0408 0411 0502 0506 1106
  GS  LABORATORIES
      #HUMAN FACTORS LABORATORIES
  RT  ENVIRONMENTAL LABORATORIES

HUMAN IMMUNODEFICIENCY VIRUS
  0405 0407
  UF  HIV (VIRUS)
  GS  MICROORGANISMS
      .VIRUSES
      .#HUMAN IMMUNODEFICIENCY VIRUS
  RT  ACQUIRED IMMUNODEFICIENCY SYNDROME
      ANTIBODIES
      IMMUNE SYSTEMS
      IMMUNOLOGY
      INTERFERON
      VACCINES
      VIRAL DISEASES
      VIRULENCE

HUMAN PATHOLOGY
  0401 0405 0408 0410 0411
  GS  MEDICAL SCIENCE
      .PATHOLOGY
      .#HUMAN PATHOLOGY
  RT  CHOLERA
      CONVULSIONS
      EPILEPSY
      PATIENTS

HUMAN PERFORMANCE
  0408 0410 0502 0506
  GS  #HUMAN PERFORMANCE
      .ASTRONAUT PERFORMANCE
      ..BLACKOUT PREVENTION
      .OPERATOR PERFORMANCE
      .PILOT PERFORMANCE
  RT  COMPETITION
      HUMAN RESOURCES
      INFORMATION PROCESSING (BIOLOGY)
      INTELLIGENCE TESTS
      INTRAVEHICULAR ACTIVITY
      MENTAL HEALTH
      MENTAL PERFORMANCE
    % PERFORMANCE
      PILOT ERROR
      PSYCHOMOTOR PERFORMANCE
      RACE FACTORS
      SENSORIMOTOR PERFORMANCE
      VISUAL TASKS
      WORKLOADS (PSYCHOPHYSIOLOGY)

HUMAN REACTIONS
  0404 0408 0410 0502 0506
  RT  BIOLOGICAL EFFECTS
      BOREDOM
      COMPETITION
      EMOTIONAL FACTORS
      LAUGHING
      NOISE POLLUTION
      PHYSIOLOGICAL EFFECTS
      PSYCHOLOGICAL EFFECTS
      PSYCHOMOTOR PERFORMANCE
    % REACTION
      REACTION TIME
      REWARD (PSYCHOLOGY)
      SENSORIMOTOR PERFORMANCE
      SHOCK (PHYSIOLOGY)
      VACILLATION

HUMAN RELATIONS
  3402
  UF  INTERPERSONAL RELATIONS
  RT  EMPLOYEE RELATIONS
      PERSONNEL MANAGEMENT
      SOCIOLOGY

HUMAN RESOURCES
  0402
  RT  EDUCATION
      HUMAN FACTORS ENGINEERING
      HUMAN PERFORMANCE
      MANAGEMENT PLANNING
      MANPOWER
      PERSONNEL
      PERSONNEL DEVELOPMENT
      PERSONNEL MANAGEMENT

HUMAN TOLERANCES
  0405 0408 0411 0506 0508
  GS  TOLERANCES (PHYSIOLOGY)
      #HUMAN TOLERANCES
  RT % ACCELERATION
      ACCELERATION TOLERANCE
      DIVING (UNDERWATER)
      HEAT ACCLIMATIZATION
      HEAT TOLERANCE
      NOISE POLLUTION
      NOISE TOLERANCE
      ORTHOSTATIC TOLERANCE
      RADIATION TOLERANCE
      SHOCK (PHYSIOLOGY)
```

```
HUMAN WASTES
  0302 0403 0505 0507
  GS   WASTES
       .METABOLIC WASTES
       .#HUMAN WASTES
       ...FECES
       ...URINE
  RT   ACTIVATED SLUDGE
       AIR POLLUTION
       ENVIRONMENT POLLUTION
       ENVIRONMENTAL SURVEYS
       EXCRETION
       LIQUID WASTES
       ORGANIC WASTES (FUEL CONVERSION)
       POLLUTION
       SEWAGE
       SEWERS
       SOLID WASTES
       TOILETS
       WASTE DISPOSAL

HUMAN-COMPUTER INTERFACE
  0502 0503 0506
  UF   MAN-COMPUTER INTERFACE
       USER-COMPUTER INTERFACE
  GS   MAN MACHINE SYSTEMS
       #HUMAN-COMPUTER INTERFACE
  RT   COMMAND LANGUAGES
       COMPUTER AIDED DESIGN
       DATA PROCESSING TERMINALS
       DISPLAY DEVICES
       GRAPHICAL USER INTERFACE
       HUMAN FACTORS ENGINEERING
       NATURAL LANGUAGE PROCESSING
       QUERY LANGUAGES
       USER REQUIREMENTS
       VIRTUAL REALITY

HUMASON COMET
  3001 3005
  GS   CELESTIAL BODIES
       .COMETS
       .#HUMASON COMET
  RT   SOLAR SYSTEM

HUMERUS
  0404
  RT   ARM (ANATOMY)
       ELBOW (ANATOMY)

HUMIDITY
  1203 1301 2003 3501
  RT   AIR CONDITIONING
       ATMOSPHERIC DENSITY
       ATMOSPHERIC MOISTURE
       BODY TEMPERATURE
       CLIMATOLOGY
       COMFORT
       CORROSION
       DEHUMIDIFICATION
       DROP SIZE
       DRY HEAT
       ENVIRONMENTS
       HYGRAL PROPERTIES
       HYGROMETERS
       LAPSE RATE
       METEOROLOGICAL PARAMETERS
       METEOROLOGY
       MIXING RATIOS
       MOISTURE
       MOISTURE CONTENT
       MOISTURE METERS
       PERSPIRATION
       PRECIPITATION (METEOROLOGY)
       PSYCHOLOGICAL EFFECTS
       PSYCHROMETERS
       REFRIGERATING
       TEMPERATURE
       VAPOR PRESSURE
       WATER
       WATER VAPOR
       WEATHER FORECASTING

HUMIDITY MEASUREMENT
  1408 2002 2003
  RT   HYGROMETERS
     % MEASUREMENT
       METEOROLOGICAL INSTRUMENTS
       MOISTURE METERS
       PSYCHROMETERS

HUMMINGBIRD AIRCRAFT
  USE  XV-4 AIRCRAFT

HUNGARIAN SPACE PROGRAM
  3009 3409
  GS   PROGRAMS
       .SPACE PROGRAMS
       ..EUROPEAN SPACE PROGRAMS
       ..#HUNGARIAN SPACE PROGRAM
  RT   HUNGARY

HUNGARY
  1305
  GS   NATIONS
       #HUNGARY
  RT   CENTRAL EUROPE
       EUROPE
       HUNGARIAN SPACE PROGRAM

HUNTER F-2 AIRCRAFT
  USE  F-2 AIRCRAFT

HUNTING H-126 AIRCRAFT
  USE  H-126 AIRCRAFT

HUNTING P-84 AIRCRAFT
  USE  JET PROVOST AIRCRAFT

HURRICANES
  1301 2003
  GS   STORMS
       .STORMS (METEOROLOGY)
       ..CYCLONES
       ..#HURRICANES
       ....ANNA HURRICANE
       ..TROPICAL STORMS
       ..#HURRICANES
       ....ANNA HURRICANE
  RT   CLIMATOLOGY
       CYCLOGENESIS
       METEOROLOGY
       STORM DAMAGE
       STORM SURGES
       TORNADOES
       TYPHOONS

HUS-1 HELICOPTER
  USE  UH-34 HELICOPTER

HUSKIE HELICOPTER
  USE  HH-43 HELICOPTER

HUSTLER AIRCRAFT
  USE  B-58 AIRCRAFT

HUYGENS PRINCIPLE
  0710 1202 2311
  RT   DIFFRACTION
     % OPTICS
       POINT SOURCES
       REFRACTION
       SCATTERING
       SCHELKUNOFF PRINCIPLE
       SPHERICAL WAVES
       WAVE FRONTS
       WAVE PROPAGATION

HU2K-1 HELICOPTER
  USE  UH-2 HELICOPTER

HVITTIS CHONDRITE
  3005
  GS   CELESTIAL BODIES
       .METEORITES
```

..STONY METEORITES
...CHONDRITES
...#HVITTIS CHONDRITE

HYBRID CIRCUITS
0902 0906 1001
GS CIRCUITS
#HYBRID CIRCUITS
RT ELECTRONIC PACKAGING
PRINTED CIRCUITS
SEMICONDUCTOR DEVICES
TRANSISTOR CIRCUITS

HYBRID COMBUSTION
USE HYBRID PROPELLANT ROCKET ENGINES

HYBRID COMPOSITES
3202
GS COMPOSITE MATERIALS
#HYBRID COMPOSITES
RT FIBER COMPOSITES
HYBRID STRUCTURES
LAMINATES
METAL MATRIX COMPOSITES
POLYMER MATRIX COMPOSITES
REINFORCED PLASTICS
REINFORCING FIBERS
RESIN MATRIX COMPOSITES
SUPERHYBRID MATERIALS

HYBRID COMPUTERS
0802 0804
GS DATA PROCESSING EQUIPMENT
.COMPUTERS
.#HYBRID COMPUTERS
RT ANALOG COMPUTERS
DIGITAL COMPUTERS

HYBRID NAVIGATION SYSTEMS
2102 2103 2104
GS NAVIGATION
#HYBRID NAVIGATION SYSTEMS
RT NAVIGATION AIDS
NAVIGATION INSTRUMENTS
% SYSTEMS

HYBRID PROPELLANT ROCKET ENGINES
2808
UF HYBRID COMBUSTION
GS ENGINES
.ROCKET ENGINES
.#HYBRID PROPELLANT ROCKET ENGINES
...LITHERGOL ROCKET ENGINES
RT BOOSTER ROCKET ENGINES
INTERNAL COMBUSTION ENGINES
JET ENGINES
LIQUID PROPELLANT ROCKET ENGINES
RESTARTABLE ROCKET ENGINES
SOLID PROPELLANT ROCKET ENGINES
SUSTAINER ROCKET ENGINES
VERNIER ENGINES

HYBRID PROPELLANTS
2702 2809
UF LITHERGOLIC PROPELLANTS
GS PROPELLANTS
#HYBRID PROPELLANTS
RT CASE BONDED PROPELLANTS
CHEMICAL FUELS
CRYOGENIC ROCKET PROPELLANTS
GASEOUS ROCKET PROPELLANTS
GELLED ROCKET PROPELLANTS
HIGH ENERGY FUELS
HIGH ENERGY PROPELLANTS
HYPERGOLIC ROCKET PROPELLANTS
LIQUID ROCKET PROPELLANTS
METAL FUELS
METAL PROPELLANTS
SOLID PROPELLANT IGNITION
SOLID PROPELLANTS
SOLID ROCKET PROPELLANTS

HYBRID PROPULSION
2808 2809
UF DUAL MODE PROPULSION
GS PROPULSION
.CHEMICAL PROPULSION
.#HYBRID PROPULSION
RT JET ENGINES
LASER PROPULSION
ROCKET ENGINES

% HYBRID ROCKET ENGINES
3106
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT DUCTED ROCKET ENGINES

HYBRID STRUCTURES
2311
RT COMPOSITE STRUCTURES
ELASTIC PROPERTIES
FLEXIBLE BODIES
HYBRID COMPOSITES
RIGID STRUCTURES
STRUCTURAL STABILITY
% STRUCTURES

HYBRIDS (BIOLOGY)
USE GENETIC ENGINEERING

HYDRATES
0602 1804
RT AQUEOUS SOLUTIONS
WATER

HYDRATION
0505 0602
RT CHEMICAL REACTIONS
DEHYDRATION
HYDROLYSIS

HYDRAULIC ACTUATORS
USE ACTUATORS
HYDRAULIC EQUIPMENT

HYDRAULIC ANALOGIES
1201 1203 1204 2311
GS ANALOGIES
#HYDRAULIC ANALOGIES
RT COMPUTERIZED SIMULATION
FLOW VISUALIZATION
FLUERICS
FLUIDICS
GAS FLOW
NUMERICAL FLOW VISUALIZATION
WAVE PROPAGATION

HYDRAULIC CONTROL
0303 1201 2102 3501
UF ELECTROHYDRAULIC CONTROL
RT AUTOMATIC CONTROL
% CONTROL
ELECTRONIC CONTROL
ENGINE CONTROL
FLUID POWER
FLUIDICS
% HYDRAULICS
PNEUMATIC CONTROL
REMOTE CONTROL
SOLENOID VALVES

HYDRAULIC EQUIPMENT
0303
UF HYDRAULIC ACTUATORS
HYDRAULIC HEATING SOURCES
HYDRAULIC PUMPS
HYDRAULIC SYSTEMS
HYDRAULIC VALVES
GS #HYDRAULIC EQUIPMENT
.AIRCRAFT HYDRAULIC SYSTEMS
RT AIRBORNE EQUIPMENT
AUTOMATIC CONTROL VALVES
COCKS

```
      CUSHIONS
    % EQUIPMENT
      FLUID AMPLIFIERS
      FLUID POWER
      FLUID SWITCHING ELEMENTS
      FLY BY TUBE CONTROL
      GATES (OPENINGS)
    % HYDRAULICS
      MOTORS
      NETWORK ANALYSIS
      NETWORK SYNTHESIS
    % NETWORKS
      PUMPS
      RELIEF VALVES
      SERVOCONTROL
      SERVOMECHANISMS
      SHOCK ABSORBERS
    % SYSTEMS
      TURBINE WHEELS
      VALVES
      WATER HAMMER
      WHEEL BRAKES

HYDRAULIC FLUIDS
  0303 1202
  GS   LIQUIDS
       #HYDRAULIC FLUIDS
       ..SKYDROL (TRADEMARK)
  RT   FLUID PRESSURE
       FLUID TRANSMISSION LINES
    % FLUIDS
      HIGH TEMPERATURE FLUIDS
    % HYDRAULICS
      OILS
      PATCH TESTS
      TRANSMISSION FLUIDS
      WORKING FLUIDS

HYDRAULIC HEATING SOURCES
  USE  HEAT SOURCES
       HYDRAULIC EQUIPMENT

HYDRAULIC JETS
  1202
  UF   WATER JETS
  GS   FLUID JETS
       #HYDRAULIC JETS
  RT   JET FLOW

HYDRAULIC PUMPS
  USE  HYDRAULIC EQUIPMENT
       PUMPS

HYDRAULIC SHOCK
  0303 1504
  GS   MECHANICAL SHOCK
       #HYDRAULIC SHOCK

HYDRAULIC SYSTEMS
  USE  HYDRAULIC EQUIPMENT

HYDRAULIC TEST TUNNELS
  1202 1204
  UF   WATER TUNNELS
  GS   TEST FACILITIES
       #HYDRAULIC TEST TUNNELS
  RT % TUNNELS

HYDRAULIC VALVES
  USE  HYDRAULIC EQUIPMENT
       VALVES

% HYDRAULICS
  0303 1202 2311
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   FLUID DYNAMICS
       FLUID FLOW
       FLUID MECHANICS
       FLUID POWER
       HYDRAULIC CONTROL
       HYDRAULIC EQUIPMENT
       HYDRAULIC FLUIDS
       HYDRODYNAMIC RAM EFFECT
       HYDRODYNAMICS
       HYDROLOGY
       HYDROMECHANICS
       HYDROSTATICS
       IMPEDANCE
       INFLUENCE COEFFICIENT
       LIMNOLOGY
     % MECHANICS (PHYSICS)
       PIPES (TUBES)
       PNEUMATICS
       PRESSURE HEADS
       THERMOHYDRAULICS
       WATER
       WATER FLOW
       WATER PRESSURE

HYDRAZIDES
  1808
  RT   HYDRAZINES

HYDRAZINE BORANE
  0603 2702
  GS   BORON COMPOUNDS
       .BORON HYDRIDES
       ..BORANES
       ..#HYDRAZINE BORANE
       HYDRAZINES
       #HYDRAZINE BORANE
       HYDROGEN COMPOUNDS
       .HYDRIDES
       ..BORON HYDRIDES
       ...BORANES
       ...#HYDRAZINE BORANE

HYDRAZINE ENGINES
  2702 2804 2808
  UF   NIMPHE (ENGINE)
  GS   ENGINES
       .ROCKET ENGINES
       ..LIQUID PROPELLANT ROCKET ENGINES
       ..#HYDRAZINE ENGINES
  RT   TURBOROCKET ENGINES

HYDRAZINE NITRATE
  1808 2702
  GS   NITROGEN COMPOUNDS
       .NITRATES
       ..INORGANIC NITRATES
       ..#HYDRAZINE NITRATE

HYDRAZINE NITROFORM
  0603 2702
  GS   ESTERS
       .ORGANIC NITRATES
       ..NITROFORMS
       ..#HYDRAZINE NITROFORM
       EXPLOSIVES
       #HYDRAZINE NITROFORM
       NITROGEN COMPOUNDS
       .NITRATES
       ..ORGANIC NITRATES
       ...NITROFORMS
       ...#HYDRAZINE NITROFORM
       PROPELLANTS
       #HYDRAZINE NITROFORM

HYDRAZINE PERCHLORATES
  0603 2702
  GS   HALOGEN COMPOUNDS
       .CHLORINE COMPOUNDS
       ..PERCHLORATES
       ..#HYDRAZINE PERCHLORATES
       HYDRAZINES
       #HYDRAZINE PERCHLORATES

HYDRAZINES
  0603 1808
  GS  #HYDRAZINES
       .CHLORPROMAZINE
       .DIHYDRAZINE
```

.DIMETHYLHYDRAZINES
.ETHYLENE DIHYDRAZINE
.HYDRAZINE BORANE
.HYDRAZINE PERCHLORATES
.METHYLHYDRAZINE
.TETRAFLUOROHYDRAZINE
RT AEROZINE
AMINES
HYDRAZIDES
HYDRAZONES
LIQUID ROCKET PROPELLANTS
ROCKET PROPELLANTS

HYDRAZINIUM COMPOUNDS
0603 1804
GS NITROGEN COMPOUNDS
#HYDRAZINIUM COMPOUNDS
RT % CHEMICAL COMPOUNDS

HYDRAZOIC ACID
0603 1808
GS ACIDS
#HYDRAZOIC ACID
NITROGEN COMPOUNDS
#HYDRAZOIC ACID
RT NITROGEN HYDRIDES

HYDRAZONES
0603 1804
GS NITROGEN COMPOUNDS
#HYDRAZONES
RT HYDRAZINES

HYDRAZONIUM COMPOUNDS
0603 1808
RT % CHEMICAL COMPOUNDS

HYDRIDES
0603 1804 1808
GS HYDROGEN COMPOUNDS
#HYDRIDES
..BOROHYDRIDES
...ALUMINUM BOROHYDRIDES
...BERYLLIUM BOROHYDRIDES
..BORON HYDRIDES
...ALUMINUM BOROHYDRIDES
...BERYLLIUM BOROHYDRIDES
...BORANES
....CARBORANE
....HYDRAZINE BORANE
....PENTABORANES
..DIBORANE
..DIHYDRIDES
..METAL HYDRIDES
...ALUMINUM HYDRIDES
....ALUMINUM BOROHYDRIDES
...BERYLLIUM HYDRIDES
...CESIUM HYDRIDES
...LITHIUM HYDRIDES
....LITHIUM ALUMINUM HYDRIDES
...POTASSIUM HYDRIDES
...SODIUM HYDRIDES
..NITROGEN HYDRIDES
...AMINO RADICAL
..PHOSPHINES
..SILANES
...CHLOROSILANES
...METHYL CHLOROSILANES
..ZIRCONIUM HYDRIDES
RT DEUTERIDES
HYDROGEN PRODUCTION

HYDROACOUSTICS
USE UNDERWATER ACOUSTICS

HYDROAEROMECHANICS
USE AERODYNAMICS

HYDROBALLISTICS
1204 1904 2308 3201
GS BALLISTICS
#HYDROBALLISTICS
RT BALLISTIC RANGES
HYDRODYNAMICS
TORPEDOES
UNDERWATER EXPLOSIONS
UNDERWATER TRAJECTORIES

HYDROBAROPHONES
USE HYDROPHONES

HYDROBORATION
0602
GS CHEMICAL REACTIONS
#HYDROBORATION

HYDROBROMIC ACID
0603 1808
GS ACIDS
#HYDROBROMIC ACID
HALOGEN COMPOUNDS
.BROMINE COMPOUNDS
..BROMIDES
..#HYDROBROMIC ACID
.HALIDES
..BROMIDES
..#HYDROBROMIC ACID

HYDROBROMIDES
0603 1804
GS HALOGEN COMPOUNDS
.BROMINE COMPOUNDS
..BROMIDES
..#HYDROBROMIDES
.HALIDES
..BROMIDES
..#HYDROBROMIDES
HYDROGEN COMPOUNDS
#HYDROBROMIDES

HYDROCARBON COMBUSTION
1808 3301
GS COMBUSTION
#HYDROCARBON COMBUSTION
RT EXPLOSIONS
FUEL COMBUSTION
OXIDATION
PROPELLANT COMBUSTION
SMOG

HYDROCARBON FUEL PRODUCTION
0301
GS #HYDROCARBON FUEL PRODUCTION
.ATMOSPHERIC ENERGY SOURCES
RT AGRICULTURE
BIOCONVERSION
BIOMASS ENERGY PRODUCTION
ENERGY TECHNOLOGY
HYDROGEN FUELS
LIGNITE
SOLVENT REFINED COAL
WASTE UTILIZATION

HYDROCARBON FUELS
1808 2702 2804
GS FUELS
.CHEMICAL FUELS
.#HYDROCARBON FUELS
...DIESEL FUELS
...GASOLINE
...JET ENGINE FUELS
....JP-4 JET FUEL
....JP-5 JET FUEL
....JP-6 JET FUEL
....JP-8 JET FUEL
...LIQUEFIED NATURAL GAS
...SYNTHANE
RT ACETYLENE
AIRCRAFT FUELS
ALKANES
AMINES
AUTOMOBILE FUELS
BUTADIENE
CLEAN FUELS
COAL GASIFICATION

COAL LIQUEFACTION
COAL UTILIZATION
ENDOTHERMIC FUELS
ENERGY POLICY
ENVIRONMENTAL CHEMISTRY
ETHANE
ETHYLENE
FUEL PRODUCTION
HEPTANES
HEXENES
HIGH ENERGY FUELS
HYDROGEN FUELS
HYDROGEN-BASED ENERGY
HYPERGOLIC ROCKET PROPELLANTS
KEROGEN
KEROSENE
METHANATION
METHANE
PARAFFINS
PROPANE
RETORT PROCESSING
ROCKET PROPELLANTS
SHALE OIL
STORABLE PROPELLANTS
SYNTHETIC FUELS

HYDROCARBON POISONING
0403 0412
RT BENZENE POISONING
INDUSTRIAL SAFETY
% POISONING
SMOG
TOXICITY AND SAFETY HAZARD
TOXICOLOGY

HYDROCARBONS
1808
GS ORGANIC COMPOUNDS
#HYDROCARBONS
..ALIPHATIC HYDROCARBONS
...ALKANES
....BUTANES
....CETANE
....ETHANE
....HEPTANES
....METHANE
....NITROPROPANE
....NONANES
....OCTANES
....PARAFFINS
.....CERESIN
....PENTANES
.....NEOPENTANE
....PROPANE
...ALKENES
....BUTENES
....ETHYLENE
.....VINYLIDENE
....HEXENES
....PROPYLENE
....TRIENES
...ALKYNES
....ACETYLENE
....OXYACETYLENE
...DIENES
....BUTADIENE
....HEPTADIENE
....HEXADIENE
....POLYBUTADIENE
..CAROTENE
..CHLOROFLUOROMETHANE
..CUBANE
..CYANOACETYLENE
..CYCLIC HYDROCARBONS
...ANTHRACENE
...BENZENE
...CHLOROBENZENES
...COLCHICINE
...CYCLOBUTANE
...CYCLOHEXANE
...CYCLOPROPANE
...DURENE
...INDENE
...MENTHOL
...NAPHTHALENE
...NAPHTHENES
..DIPHENYL COMPOUNDS
...DIPHENYL HYDANTOIN
..LIQUEFIED NATURAL GAS
..MESITYLENE
..METHYLENE
..METHYLIDYNE
..NATURAL GAS
..PHENANTHRENE
..PYRENES
..QUINOXALINES
..STILBENE
..TOLUENE
..TRIPHENYLS
..XYLENE
RT % AROMATIC COMPOUNDS
CARBON COMPOUNDS
CRACKING (CHEMICAL ENGINEERING)
ORGANIC PEROXIDES

HYDROCHLORIC ACID
0603 1808
GS ACIDS
#HYDROCHLORIC ACID
HALOGEN COMPOUNDS
.HALIDES
..CHLORIDES
...HYDROGEN CHLORIDES
...#HYDROCHLORIC ACID

HYDROCHLORIDES
0603 1808
GS HALOGEN COMPOUNDS
.CHLORINE COMPOUNDS
..CHLORIDES
..#HYDROCHLORIDES
.HALIDES
..CHLORIDES
..#HYDROCHLORIDES
RT HYDROGEN CHLORIDES

HYDROCLIMATOLOGY
1310 2001 2003
RT AGROCLIMATOLOGY
CLIMATOLOGY
HYDROGRAPHY
HYDROLOGY
METEOROLOGY
OCEANOGRAPHY

HYDROCRACKING
0403
GS CHEMICAL REACTIONS
.CRACKING (CHEMICAL ENGINEERING)
.#HYDROCRACKING
.HYDROGENOLYSIS
.#HYDROCRACKING
DECOMPOSITION
.CRACKING (CHEMICAL ENGINEERING)
.#HYDROCRACKING
.HYDROGENOLYSIS
.#HYDROCRACKING
FRACTIONATION
#HYDROCRACKING
RT COAL GASIFICATION
COAL LIQUEFACTION

HYDROCYANIC ACID
0603 1804
UF HYDROGEN CYANIDES
PRUSSIC ACID
GS ACIDS
#HYDROCYANIC ACID
HYDROGEN COMPOUNDS
#HYDROCYANIC ACID
NITROGEN COMPOUNDS
#HYDROCYANIC ACID
RT CN EMISSION
HCN LASERS

```
HYDRODYNAMIC COEFFICIENTS
  1203 3501
  RT   COMPUTATIONAL FLUID DYNAMICS
     % DRAG COEFFICIENTS
       FLOW DISTRIBUTION
       FLOW VELOCITY
       LIQUID FLOW
       SEA ROUGHNESS
       SHIP HULLS
       STEADY FLOW
       UNSTEADY FLOW
       WATER WAVES

HYDRODYNAMIC EQUATIONS
  1204 2311
  GS   EQUATIONS OF MOTION
       .KINETIC EQUATIONS
       .#HYDRODYNAMIC EQUATIONS
       ...HELMHOLTZ VORTICITY EQUATION
  RT   BOLTZMANN TRANSPORT EQUATION
     % EQUATIONS
       FLOW STABILITY
       FLOW THEORY
       FLUID MECHANICS
       GAS DYNAMICS
       HYDRODYNAMICS
       METEOROLOGY
       PLASMA DYNAMICS

HYDRODYNAMIC RAM EFFECT
  1200
  RT % EFFECTS
       FLUID FILLED SHELLS
     % HYDRAULICS
       HYPERVELOCITY IMPACT
       IMPACT
       KINETIC ENERGY
       LIQUID FILLED SHELLS
       MOMENTUM TRANSFER
       PENETRATION

HYDRODYNAMIC STABILITY
  USE  FLOW STABILITY

HYDRODYNAMIC TUNNELS
  USE  PLASMA JET WIND TUNNELS

HYDRODYNAMICS
  1203 1204 3501
  GS   FLUID MECHANICS
       .FLUID DYNAMICS
       .#HYDRODYNAMICS
       ...ELASTOHYDRODYNAMICS
       ...ELECTROHYDRODYNAMICS
       ...MAGNETOHYDRODYNAMICS
       .HYDROMECHANICS
       .#HYDRODYNAMICS
       ...ELASTOHYDRODYNAMICS
       ...ELECTROHYDRODYNAMICS
       ...MAGNETOHYDRODYNAMICS
  RT   BALLAST (MASS)
     % DYNAMICS
       EARTH SCIENCES
       EULER EQUATIONS OF MOTION
       FLOW THEORY
       FLUID FLOW
       FLUID POWER
       GAS DYNAMICS
     % HYDRAULICS
       HYDROBALLISTICS
       HYDRODYNAMIC EQUATIONS
       HYDROSTATICS
       KROOK EQUATION
       LAGRANGE COORDINATES
     % MECHANICS (PHYSICS)
       OCEAN DYNAMICS
       PRESSURE GRADIENTS
       PRESSURE HEADS
       SEEPAGE
       SHIP HULLS
       THERMOHYDRAULICS
       WATER
       WATER FLOW
       WATER HAMMER
       WATER PRESSURE

HYDROELASTICITY
  0603 1204 3408
  GS   MECHANICAL PROPERTIES
       .ELASTIC PROPERTIES
       .#HYDROELASTICITY
  RT   COMPRESSIBILITY
       COMPRESSIBLE FLUIDS
       MODULUS OF ELASTICITY
       THERMOELASTICITY
       VISCOELASTICITY

HYDROELECTRIC POWER STATIONS
  0902 0904 2304 3406
  UF   HYDROPOWER STATIONS
  GS   STATIONS
       #HYDROELECTRIC POWER STATIONS
  RT   ELECTRIC POWER PLANTS
       ELECTRIC POWER TRANSMISSION
       HYDROELECTRICITY
     % POWER PLANTS
     % POWER TRANSMISSION
       TURBOGENERATORS
       WATER WHEELS

HYDROELECTRICITY
  0902
  GS   ELECTRICITY
       #HYDROELECTRICITY
  RT   DAMS
       ELECTRIC CURRENT
     % ELECTRIC POWER
       HYDROELECTRIC POWER STATIONS
     % POWER PLANTS
       TURBOGENERATORS

HYDROFLUORIC ACID
  0603 1808
  UF   HYDROGEN FLUORIDES
  GS   ACIDS
       #HYDROFLUORIC ACID
       HALOGEN COMPOUNDS
       .FLUORINE COMPOUNDS
       ..FLUORIDES
       ..#HYDROFLUORIC ACID
       .HALIDES
       ..FLUORIDES
       ..#HYDROFLUORIC ACID

HYDROFOIL BOATS
  USE  HYDROFOIL CRAFT

HYDROFOIL CRAFT
  1204
  UF   HYDROFOIL BOATS
  RT   CAPTURED AIR BUBBLE VEHICLES
       HYDROFOILS
       HYDROPLANES (VEHICLES)
       SHIPS

HYDROFOIL OSCILLATIONS
  1204
  GS   OSCILLATIONS
       #HYDROFOIL OSCILLATIONS
  RT   FLOW STABILITY
       FLUTTER
       HYDROFOILS
       SUPERCAVITATING FLOW

HYDROFOILS
  1204
  GS  #HYDROFOILS
       .KEELS
  RT   AIRFOILS
     % BLADES
       ELEVATORS (CONTROL SURFACES)
       FINS
     % FOILS
       FOILS (MATERIALS)
       GUIDE VANES
```

HULLS (STRUCTURES)
HYDROFOIL CRAFT
HYDROFOIL OSCILLATIONS
HYDROPLANES (SURFACES)
HYDROPLANING
LANDING GEAR
MARINE RUDDERS
SHIPS
SKIS
STREAMLINING
TAIL ASSEMBLIES

HYDROFORMING
1502 1504 1704 1806
GS METAL WORKING
#HYDROFORMING
RT DEHYDROGENATION

HYDROGEN
0603 1807
GS CHEMICAL ELEMENTS
#HYDROGEN
..HYDROGEN ISOTOPES
...DEUTERIUM
...HYDROGEN 4
...METALLIC HYDROGEN
...TRITIUM
..LIQUID HYDROGEN
GASES
#HYDROGEN
..HYDROGEN ISOTOPES
...DEUTERIUM
...HYDROGEN 4
...METALLIC HYDROGEN
...TRITIUM
..LIQUID HYDROGEN
RT BALMER SERIES
DEUTERIUM PLASMA
FUELS
HYDROGEN ATOMS
HYDROGEN IONS
HYDROGEN PLASMA
HYDROGENATION
HYDROGENOLYSIS
HYDRONIUM IONS
METALLICITY
NEPTUNE ATMOSPHERE
ORTHO HYDROGEN
PARA HYDROGEN
PASCHEN SERIES
RYDBERG SERIES
SYNTHANE
URANUS ATMOSPHERE

HYDROGEN AIR FUEL CELLS
USE HYDROGEN OXYGEN FUEL CELLS

HYDROGEN ATOMS
0603 1807 2401
GS ATOMS
#HYDROGEN ATOMS
RT H I REGIONS
HYDROGEN

HYDROGEN AZIDES
1804
GS EXPLOSIVES
#HYDROGEN AZIDES
NITROGEN COMPOUNDS
.AZIDES (INORGANIC)
.#HYDROGEN AZIDES
PROPELLANTS
#HYDROGEN AZIDES

HYDROGEN BOMBS
USE FUSION WEAPONS

HYDROGEN BONDS
0603 1807
GS CHEMICAL BONDS
#HYDROGEN BONDS
RT MOLECULAR STRUCTURE
WATER

HYDROGEN CHLORIDE LASERS
USE HCL LASERS

HYDROGEN CHLORIDES
0603 1808
GS HALOGEN COMPOUNDS
.HALIDES
..CHLORIDES
..#HYDROGEN CHLORIDES
....HYDROCHLORIC ACID
RT HYDROCHLORIDES

HYDROGEN CLOUDS
1301 1308 2003 3009
GS #HYDROGEN CLOUDS
.H I REGIONS
.H II REGIONS
.ORION NEBULA
RT % CLOUDS
DROP SIZE
GALACTIC ROTATION
GASES
MOLECULAR CLOUDS
NEUTRAL GASES
PLASMA CLOUDS
SPIN TEMPERATURE
STAR FORMATION
VAPOR PHASES
VAPORS

HYDROGEN COMPOUNDS
0603 1804 1808
GS #HYDROGEN COMPOUNDS
.DEUTERIUM COMPOUNDS
..DEUTERIDES
..DEUTERIUM FLUORIDES
..HEAVY WATER
.HYDRIDES
..BOROHYDRIDES
...ALUMINUM BOROHYDRIDES
...BERYLLIUM BOROHYDRIDES
..BORON HYDRIDES
...ALUMINUM BOROHYDRIDES
...BERYLLIUM BOROHYDRIDES
...BORANES
....CARBORANE
....HYDRAZINE BORANE
....PENTABORANES
..DIBORANE
..DIHYDRIDES
..METAL HYDRIDES
...ALUMINUM HYDRIDES
....ALUMINUM BOROHYDRIDES
...BERYLLIUM HYDRIDES
...CESIUM HYDRIDES
...LITHIUM HYDRIDES
....LITHIUM ALUMINUM HYDRIDES
...POTASSIUM HYDRIDES
...SODIUM HYDRIDES
..NITROGEN HYDRIDES
...AMINO RADICAL
..PHOSPHINES
..SILANES
...CHLOROSILANES
...METHYL CHLOROSILANES
..ZIRCONIUM HYDRIDES
.HYDROBROMIDES
.HYDROCYANIC ACID
.HYDROGEN PEROXIDE
.HYDROGEN SULFIDE
.HYDROSULFITES
.LIGHT WATER
RT ACIDS
% CHEMICAL COMPOUNDS
WATER

HYDROGEN CYANIDE LASERS
USE HCN LASERS

HYDROGEN CYANIDES
USE HYDROCYANIC ACID

```
HYDROGEN DEUTERIUM OXIDE
  USE  HEAVY WATER

HYDROGEN EMBRITTLEMENT
  0603 1704 1807
  GS   EMBRITTLEMENT
       #HYDROGEN EMBRITTLEMENT
  RT   CHEMISORPTION
       GAS-METAL INTERACTIONS
       IRON
       STEELS

HYDROGEN ENGINES
  0301
  GS   ENGINES
       .INTERNAL COMBUSTION ENGINES
       ..GAS TURBINE ENGINES
       ..#HYDROGEN ENGINES
  RT   AIRCRAFT ENGINES
       AUTOMOBILES

HYDROGEN FLUORIDE LASERS
  USE  HF LASERS

HYDROGEN FLUORIDES
  USE  HYDROFLUORIC ACID

HYDROGEN FUELS
  0603 1808 2701 2702
  GS   FUELS
       .CHEMICAL FUELS
       ..LIQUID FUELS
       ..#HYDROGEN FUELS
  RT   CRYOGENIC ROCKET PROPELLANTS
       DEUTERIUM
       FUEL CELLS
       FUEL PRODUCTION
       GASEOUS ROCKET PROPELLANTS
       GELLED PROPELLANTS
       HYDROCARBON FUEL PRODUCTION
       HYDROCARBON FUELS
       HYDROGEN-BASED ENERGY
       LIQUID HYDROGEN
       LIQUID ROCKET PROPELLANTS
       RAMJET ENGINES
       SLUSH HYDROGEN
       WATER SPLITTING

HYDROGEN IONS
  0603 1804
  GS   IONS
       #HYDROGEN IONS
  RT   ACIDITY
       H II REGIONS
       HYDROGEN
       HYDRONIUM IONS
       PH
       PH FACTOR
       POSITIVE IONS
       PROTONS

HYDROGEN ISOTOPES
  2406
  GS   CHEMICAL ELEMENTS
       .HYDROGEN
       .#HYDROGEN ISOTOPES
       ...DEUTERIUM
       ...HYDROGEN 4
       ...METALLIC HYDROGEN
       ...TRITIUM
       .NUCLIDES
       ..ISOTOPES
       ..#HYDROGEN ISOTOPES
       ....DEUTERIUM
       ....HYDROGEN 4
       ....TRITIUM
       GASES
       .HYDROGEN
       .#HYDROGEN ISOTOPES
       ...DEUTERIUM
       ...HYDROGEN 4
       ...METALLIC HYDROGEN
       ...TRITIUM

HYDROGEN MASERS
  1601
  GS   STIMULATED EMISSION DEVICES
       .MASERS
       ..GAS MASERS
       ..#HYDROGEN MASERS

HYDROGEN METABOLISM
  0403
  GS   METABOLISM
       #HYDROGEN METABOLISM
  RT   CARBOHYDRATE METABOLISM
       NITROGEN METABOLISM
       OXYGEN METABOLISM
       RESPIRATION
       SECRETIONS

HYDROGEN OXYGEN ENGINES
  3110
  UF   HYDROX ENGINES
       LOX-HYDROGEN ENGINES
  GS   ENGINES
       .ROCKET ENGINES
       ..LIQUID PROPELLANT ROCKET ENGINES
       ..#HYDROGEN OXYGEN ENGINES
       ....J-2 ENGINE
       ....M-1 ENGINE
       ....RL-10-A-1 ENGINE
       ....RL-10-A-3 ENGINE
  RT   AUXILIARY PROPULSION
       LIQUID AIR CYCLE ENGINES
       SPACE STATION PROPULSION
       TURBOROCKET ENGINES

HYDROGEN OXYGEN FUEL CELLS
  0302 0505 0603
  UF   HYDROGEN AIR FUEL CELLS
  GS   ELECTRIC GENERATORS
       .DIRECT POWER GENERATORS
       ..FUEL CELLS
       ..#HYDROGEN OXYGEN FUEL CELLS
       ELECTROCHEMICAL CELLS
       .FUEL CELLS
       .#HYDROGEN OXYGEN FUEL CELLS
  RT   PHOSPHORIC ACID FUEL CELLS

HYDROGEN PERCHLORATE
  0603 1804
  GS   HALOGEN COMPOUNDS
       .CHLORINE COMPOUNDS
       ..PERCHLORATES
       ..#HYDROGEN PERCHLORATE

HYDROGEN PEROXIDE
  0603 1804 2702
  GS   CHALCOGENIDES
       .OXIDES
       ..DIOXIDES
       ..#HYDROGEN PEROXIDE
       HYDROGEN COMPOUNDS
       #HYDROGEN PEROXIDE
  RT   ROCKET OXIDIZERS

HYDROGEN PLASMA
  0603 2502
  GS   PARTICLES
       .CHARGED PARTICLES
       ..ENERGETIC PARTICLES
       ...PLASMAS (PHYSICS)
       ...#HYDROGEN PLASMA
       .....DEUTERIUM PLASMA
  RT   ARGON PLASMA
       DEUTERIUM
       HELIUM PLASMA
       HYDROGEN
       OXYGEN PLASMA
       SOLAR WIND
       STARK EFFECT

HYDROGEN PRODUCTION
```

0301
RT ELECTROLYSIS
ENERGY CONVERSION
FUELS
HYDRIDES
HYDROGEN-BASED ENERGY
HYDROLYSIS
LIGNITE
SOLAR ENERGY CONVERSION
THERMAL DISSOCIATION
WATER SPLITTING

HYDROGEN RECOMBINATIONS
0602 0603
GS RECOMBINATION REACTIONS
#HYDROGEN RECOMBINATIONS

HYDROGEN SULFIDE
0603 1804 2701
GS CHALCOGENIDES
.SULFIDES
..INORGANIC SULFIDES
..#HYDROGEN SULFIDE
HYDROGEN COMPOUNDS
#HYDROGEN SULFIDE
SULFUR COMPOUNDS
.SULFIDES
..INORGANIC SULFIDES
..#HYDROGEN SULFIDE

HYDROGEN 2
USE DEUTERIUM

HYDROGEN 3
USE TRITIUM

HYDROGEN 4
1807 2406
GS CHEMICAL ELEMENTS
.HYDROGEN
..HYDROGEN ISOTOPES
..#HYDROGEN 4
.NUCLIDES
..ISOTOPES
...HYDROGEN ISOTOPES
...#HYDROGEN 4
GASES
.HYDROGEN
..HYDROGEN ISOTOPES
..#HYDROGEN 4

HYDROGEN-BASED ENERGY
0603 1805 2701 2702
RT % ENERGY
ENERGY TECHNOLOGY
FUEL CELLS
GAS MIXTURES
HYDROCARBON FUELS
HYDROGEN FUELS
HYDROGEN PRODUCTION
LIQUID HYDROGEN
NICKEL HYDROGEN BATTERIES

HYDROGENATION
0602 3407
GS CHEMICAL REACTIONS
.REDUCTION (CHEMISTRY)
.#HYDROGENATION
RT ASPHALTENES
CYCLOHEXANE
DEHYDROGENATION
HYDROGEN
REFINING

HYDROGENOLYSIS
0602
GS CHEMICAL REACTIONS
#HYDROGENOLYSIS
..HYDROCRACKING
DECOMPOSITION
#HYDROGENOLYSIS
..HYDROCRACKING
RT CRACKING (CHEMICAL ENGINEERING)
DEHYDROGENATION
HYDROGEN
% REDUCTION

HYDROGENOMONAS
0404 0407 0409
GS AUTOTROPHS
#HYDROGENOMONAS
MICROORGANISMS
.BACTERIA
.#HYDROGENOMONAS

HYDROGEOLOGY
1204 1306 1310
GS GEOLOGY
#HYDROGEOLOGY
HYDROLOGY
#HYDROGEOLOGY
RT AQUIFERS
CORE SAMPLING
EROSION
FLOOD PLAINS
FLOOD PREDICTIONS
GEYSERS
GLACIOLOGY
HYDROLOGY MODELS
HYDROSTATICS
% SCIENCE
SOIL EROSION
STRATIGRAPHY
WATERSHEDS

HYDROGRAPHY
1303 1304 1310 2003
RT GEOPHYSICS
HYDROCLIMATOLOGY
HYDROLOGY
HYDROMETEOROLOGY
ICE MAPPING
LIMNOLOGY
METEOROLOGY
OCEAN CURRENTS
OCEAN SURFACE
OCEANOGRAPHY

HYDROKINETICS
USE HYDROMECHANICS

HYDROLOGICAL CYCLE
1310 2003
UF WATER CYCLE (HYDROLOGY)
GS CYCLES
#HYDROLOGICAL CYCLE
RT AIR WATER INTERACTIONS
EARTH HYDROSPHERE
EVAPORATION
HYDROLOGY
HYDROLOGY MODELS
HYDROMETEOROLOGY
PRECIPITATION (METEOROLOGY)

HYDROLOGY
1310 2003
UF HYDROSCIENCE
GS #HYDROLOGY
.HYDROGEOLOGY
RT ALLUVIUM
AQUIFERS
CLIMATOLOGY
DRAINAGE
DRAINAGE PATTERNS
DROUGHT
EARTH HYDROSPHERE
EARTH PLANETARY STRUCTURE
EARTH SCIENCES
FLOOD CONTROL
FLOOD DAMAGE
FLOOD PLAINS
FLOOD PREDICTIONS
FLOODS
GEOCHEMISTRY
GEOPHYSICS

GREAT SALT LAKE (UT)
% HYDRAULICS
HYDROCLIMATOLOGY
HYDROGRAPHY
HYDROLOGICAL CYCLE
HYDROMETEOROLOGY
ICE MAPPING
INTERNATIONAL HYDROLOGICAL DECADE
LAKE ERIE
LAKE HURON
LAKE MICHIGAN
LAKE ONTARIO
LAKE SUPERIOR
LIMNOLOGY
MARINE CHEMISTRY
METEOROLOGICAL PARAMETERS
METEOROLOGY
OCEANOGRAPHY
POLAR METEOROLOGY
PRECIPITATION (METEOROLOGY)
RAIN
STREAMS
STRUCTURAL PROPERTIES (GEOLOGY)
WATER
WATER MANAGEMENT
WATER RESOURCES
WATERSHEDS

HYDROLOGY MODELS
1310
GS MODELS
#HYDROLOGY MODELS
RT DRAINAGE
FLOODS
HYDROGEOLOGY
HYDROLOGICAL CYCLE
PRECIPITATION (METEOROLOGY)
RAIN
STREAMS
WATER FLOW

HYDROLYSIS
0602 1702
GS CHEMICAL REACTIONS
#HYDROLYSIS
RT AMMONOLYSIS
CRACKING (CHEMICAL ENGINEERING)
EXTRACTION
HYDRATION
HYDROGEN PRODUCTION

HYDROMAGNETIC FLOW
USE MAGNETOHYDRODYNAMIC FLOW

HYDROMAGNETIC STABILITY
USE MAGNETOHYDRODYNAMIC STABILITY

HYDROMAGNETIC WAVES
USE MAGNETOHYDRODYNAMIC WAVES

HYDROMAGNETICS
USE MAGNETOHYDRODYNAMICS

HYDROMAGNETISM
USE MAGNETOHYDRODYNAMICS

HYDROMECHANICS
1202 1204
UF HYDROKINETICS
GS FLUID MECHANICS
#HYDROMECHANICS
..HYDRODYNAMICS
...ELASTOHYDRODYNAMICS
...ELECTROHYDRODYNAMICS
...MAGNETOHYDRODYNAMICS
..HYDROSTATICS
...MAGNETOHYDROSTATICS
RT FLUID DYNAMICS
FLUID FLOW
% HYDRAULICS
KINETICS
% SCIENCE
WATER

HYDROMETALLURGY
1704
RT CHLORINATION
ELECTRODIALYSIS
FILTRATION
ION EXCHANGING
LEACHING
% METALLURGY
% PRECIPITATION
PRECIPITATION (CHEMISTRY)
REFINING
SULFATION

HYDROMETEOROLOGY
1301 1302 2001 2003
GS METEOROLOGY
#HYDROMETEOROLOGY
..MARINE METEOROLOGY
RT AGROMETEOROLOGY
HYDROGRAPHY
HYDROLOGICAL CYCLE
HYDROLOGY
PRECIPITATION (CHEMISTRY)
PRECIPITATION (METEOROLOGY)
WATER BALANCE

HYDROMETERS
0603 1406 2002 2003 3501
GS MEASURING INSTRUMENTS
#HYDROMETERS
RT CHEMICAL ANALYSIS
DENSITY (MASS/VOLUME)
DENSITY MEASUREMENT
WEIGHT MEASUREMENT

HYDRONIUM IONS
1804
GS IONS
.MOLECULAR IONS
.#HYDRONIUM IONS
.POSITIVE IONS
.#HYDRONIUM IONS
RT HYDROGEN
HYDROGEN IONS

HYDROPHONES
0701 0904 1413
UF HYDROBAROPHONES
GS TRANSDUCERS
.SOUND TRANSDUCERS
..ELECTROACOUSTIC TRANSDUCERS
..#HYDROPHONES
RT MICROPHONES
SONAR
SONOBUOYS

HYDROPLANES (SURFACES)
1204
UF HYDROSKIS
RT HYDROFOILS
HYDROPLANING
SKIS
% SYSTEMS

HYDROPLANES (VEHICLES)
1204
RT HYDROFOIL CRAFT
HYDROPLANING
% VEHICLES

HYDROPLANING
1204
RT HYDROFOILS
HYDROPLANES (SURFACES)
HYDROPLANES (VEHICLES)
SKID LANDINGS
SKIDDING
WATER LANDING

HYDROPONICS
0403 0409 0505

RT AGRICULTURE
AQUATIC PLANTS
AQUICULTURE
PLANTS (BOTANY)
VEGETATION GROWTH

HYDROPOWER STATIONS
USE HYDROELECTRIC POWER STATIONS

HYDROPYROLYSIS
0603
GS GASIFICATION
.COAL GASIFICATION
.#HYDROPYROLYSIS
RT COAL
COAL LIQUEFACTION
LIGNITE
METHANATION
METHANE

HYDROSCIENCE
USE HYDROLOGY

HYDROSKIS
USE HYDROPLANES (SURFACES)

HYDROSPHERE (EARTH)
USE EARTH HYDROSPHERE

HYDROSPINNING
1202 1203 1204 1504
GS FORMING TECHNIQUES
.METAL SPINNING
.#HYDROSPINNING
METAL WORKING
.METAL SPINNING
.#HYDROSPINNING
SPIN
.METAL SPINNING
.#HYDROSPINNING

HYDROSTATIC PRESSURE
1408 2311 3501
GS PRESSURE
.STATIC PRESSURE
.#HYDROSTATIC PRESSURE
RT CENTER OF PRESSURE
ELEVATION
HEAD (FLUID MECHANICS)
HYDROSTATICS
ISOSTATIC PRESSURE
PRESSURE DEPENDENCE
PRESSURE HEADS
TRANSITION PRESSURE
WATER PRESSURE

HYDROSTATICS
1408 2311
GS FLUID MECHANICS
.HYDROMECHANICS
.#HYDROSTATICS
...MAGNETOHYDROSTATICS
STATICS
#HYDROSTATICS
..MAGNETOHYDROSTATICS
RT AEROSTATICS
ELEVATION
HEAD (FLUID MECHANICS)
% HYDRAULICS
HYDRODYNAMICS
HYDROGEOLOGY
HYDROSTATIC PRESSURE
ISOSTASY
PRESSURE GRADIENTS
PRESSURE HEADS
WATER
WATER PRESSURE

HYDROSULFITES
0603 1804
GS HYDROGEN COMPOUNDS
#HYDROSULFITES
SULFUR COMPOUNDS
.SULFITES
.#HYDROSULFITES

HYDROTHERMAL CRYSTAL GROWTH
0602 2601
GS GROWTH
.CRYSTAL GROWTH
.#HYDROTHERMAL CRYSTAL GROWTH
RT ELECTROEPITAXY

HYDROTHERMAL STRESS ANALYSIS
0101
RT HYDROTHERMAL SYSTEMS
HYGRAL PROPERTIES
HYGROSCOPICITY
MOISTURE CONTENT
MOISTURE RESISTANCE

HYDROTHERMAL SYSTEMS
0602
RT AQUIFERS
ENERGY CONVERSION
GEOTHERMAL RESOURCES
GEYSERS
HEATING
HYDROTHERMAL STRESS ANALYSIS
SOLAR HEATING
% SYSTEMS

HYDROX ENGINES
USE HYDROGEN OXYGEN ENGINES

HYDROXIDES
0603 1804
GS #HYDROXIDES
.LITHIUM HYDROXIDES
.POTASSIUM HYDROXIDES
.SODIUM HYDROXIDES
RT ALKALIES

HYDROXYCORTICOSTEROID
0405 0408
GS ORGANIC COMPOUNDS
.LIPIDS
..STEROIDS
...CORTICOSTEROIDS
...#HYDROXYCORTICOSTEROID
.....CORTISONE
SECRETIONS
.ENDOCRINE SECRETIONS
..HORMONES
...CORTICOSTEROIDS
...#HYDROXYCORTICOSTEROID
.....CORTISONE
RT ADRENAL METABOLISM

HYDROXYL COMPOUNDS
1808
GS #HYDROXYL COMPOUNDS
.ALCOHOLS
..ETHYL ALCOHOL
..GLYCOLS
..ISOPROPYL ALCOHOL
..METHYL ALCOHOL
..PHENOLS
...BISPHENOLS
...CRESOLS
...PHLOROGLUCINOL
...THYMOL
..POLYVINYL ALCOHOL
..TRIOLS
...CYANURIC ACID
RT % CHEMICAL COMPOUNDS
ORGANIC COMPOUNDS

HYDROXYL EMISSION
0705 2402 3009
GS ELECTROMAGNETIC RADIATION
.RADIO WAVES
..RADIO EMISSION
..#HYDROXYL EMISSION
EMISSION

.RADIO EMISSION
.#HYDROXYL EMISSION
RT EMISSION SPECTRA
RADIO SOURCES (ASTRONOMY)

HYDROXYL RADICALS
0603 0604
GS RADICALS
.FREE RADICALS
.#HYDROXYL RADICALS
RT ALCOHOLS
% CHEMISTRY
FORMYL IONS
GLYCOLS
IONS

HYDROXYLAMINE SULFATE
1808
GS AMINES
#HYDROXYLAMINE SULFATE
SULFUR COMPOUNDS
.SULFATES
.#HYDROXYLAMINE SULFATE

HYDROXYLAMMONIUM PERCHLORATES
0603 1804
GS AMMONIUM COMPOUNDS
#HYDROXYLAMMONIUM PERCHLORATES
HALOGEN COMPOUNDS
.CHLORINE COMPOUNDS
..PERCHLORATES
..#HYDROXYLAMMONIUM PERCHLORATES

HYGIENE
0405 0408 0411 0504 0507
GS #HYGIENE
.ORAL HYGIENE
RT BATHING
CLEANLINESS
CONSUMABLES (SPACECREW SUPPLIES)
HEALTH
HOUSEKEEPING (SPACECRAFT)
PUBLIC HEALTH
SANITATION

HYGRAL PROPERTIES
3408
RT HUMIDITY
HYDROTHERMAL STRESS ANALYSIS
MOISTURE
POROSITY
% PROPERTIES

HYGROMETERS
1406 2001 2002 2003 3501
GS MEASURING INSTRUMENTS
.MOISTURE METERS
.#HYGROMETERS
...PSYCHROMETERS
RT CHEMICAL ANALYSIS
DEW POINT
HUMIDITY
HUMIDITY MEASUREMENT
METEOROLOGICAL INSTRUMENTS

HYGROSCOPICITY
0603 2003 3408
RT CHEMICAL PROPERTIES
HYDROTHERMAL STRESS ANALYSIS
MATERIAL ABSORPTION
MOISTURE CONTENT
MOISTURE RESISTANCE
% PHYSICAL PROPERTIES
SOLUBILITY
WETTABILITY

HYLA-STAR ROCKET VEHICLE
3103 3106
GS LAUNCH VEHICLES
#HYLA-STAR ROCKET VEHICLE
ROCKET VEHICLES
.SINGLE STAGE ROCKET VEHICLES
.#HYLA-STAR ROCKET VEHICLE
RT LIQUID PROPELLANT ROCKET ENGINES
TITAN 2 ICBM

HYLLERAAS COORDINATES
1902 2304
GS COORDINATES
#HYLLERAAS COORDINATES
RT QUANTUM MECHANICS
TWO BODY PROBLEM

HYOSCINE
0603 1808
UF SCOPOLAMINE
GS AMINES
#HYOSCINE
BASES (CHEMICAL)
.ALKALOIDS
.#HYOSCINE
EPOXY COMPOUNDS
#HYOSCINE
NITROGEN COMPOUNDS
.ALKALOIDS
.#HYOSCINE
ORGANIC COMPOUNDS
.CYCLIC COMPOUNDS
..HETEROCYCLIC COMPOUNDS
...ALKALOIDS
...#HYOSCINE

HYPERBARIC CHAMBERS
0303 0408 0504
GS COMPARTMENTS
.TEST CHAMBERS
..PRESSURE CHAMBERS
..#HYPERBARIC CHAMBERS
RT % CHAMBERS
HIGH PRESSURE
VACUUM CHAMBERS

HYPERBOLAS
1902
GS GEOMETRY
.EUCLIDEAN GEOMETRY
..ANALYTIC GEOMETRY
...CONICS
...#HYPERBOLAS
RT HYPERBOLIC TRAJECTORIES

HYPERBOLIC COORDINATES
1902 1905
UF HYPERBOLIC SPACE
GS COORDINATES
#HYPERBOLIC COORDINATES

HYPERBOLIC DIFFERENTIAL EQUATIONS
1902 3501
GS ANALYSIS (MATHEMATICS)
.REAL VARIABLES
..DIFFERENTIAL EQUATIONS
..#HYPERBOLIC DIFFERENTIAL EQUATIONS
RT DIRICHLET PROBLEM
% EQUATIONS
ESSENTIALLY NON-OSCILLATORY SCHEMES
WAVE EQUATIONS

HYPERBOLIC FUNCTIONS
1902
GS ANALYSIS (MATHEMATICS)
.COMPLEX VARIABLES
.#HYPERBOLIC FUNCTIONS
.REAL VARIABLES
.#HYPERBOLIC FUNCTIONS
FUNCTIONS (MATHEMATICS)
#HYPERBOLIC FUNCTIONS
RT EXPONENTIAL FUNCTIONS
% HYPERBOLIC SYSTEMS
METHOD OF CHARACTERISTICS
ORTHOGONAL FUNCTIONS
RIEMANN WAVES
RIESZ THEOREM

```
HYPERBOLIC NAVIGATION
  0709 1902 2103
  GS   NAVIGATION
       .RADIO NAVIGATION
       .#HYPERBOLIC NAVIGATION
       ...DECCA NAVIGATION
       ...LORAC NAVIGATION SYSTEM
       ...LORAN
       ....LORAN C
       ....LORAN D
       ...SHORAN
  RT   AIR NAVIGATION
     % HYPERBOLIC SYSTEMS
       INERTIAL NAVIGATION
       SURFACE NAVIGATION

HYPERBOLIC REENTRY
  1902 3006 3105 3501
  GS   ATMOSPHERIC ENTRY
       .REENTRY
       .#HYPERBOLIC REENTRY
  RT   REENTRY TRAJECTORIES

HYPERBOLIC SPACE
  USE  HYPERBOLIC COORDINATES

% HYPERBOLIC SYSTEMS
  1902
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   HYPERBOLIC FUNCTIONS
       HYPERBOLIC NAVIGATION
     % SYSTEMS

HYPERBOLIC TRAJECTORIES
  1902 3006
  GS   TRAJECTORIES
       #HYPERBOLIC TRAJECTORIES
  RT   CELESTIAL MECHANICS
       ESCAPE VELOCITY
       HYPERBOLAS
       SPACECRAFT TRAJECTORIES

HYPERCAPNIA
  0401 0405 0408
  GS   CARBON DIOXIDE TENSION
       #HYPERCAPNIA
  RT   BLOOD
     % BREATHING
       RESPIRATORY RATE
       RESPIRATORY SYSTEM

HYPERCUBE MULTIPROCESSORS
  0801 0802
  GS   DATA PROCESSING EQUIPMENT
       .COMPUTERS
       .#HYPERCUBE MULTIPROCESSORS
  RT   ARCHITECTURE (COMPUTERS)
       INTERPROCESSOR COMMUNICATION
       MULTIPROCESSING (COMPUTERS)
       PARALLEL COMPUTERS
       PARALLEL PROCESSING (COMPUTERS)
       SUPERCOMPUTERS

HYPERFINE STRUCTURE
  0603 1411 2401
  RT   ATOMIC STRUCTURE
       FINE STRUCTURE
       LINE SPECTRA
       MUON SPIN ROTATION
       SPECTRUM ANALYSIS
     % STRUCTURES

HYPERGEOMETRIC FUNCTIONS
  1902
  UF   JACOBI POLYNOMIALS
  GS   ANALYSIS (MATHEMATICS)
       .COMPLEX VARIABLES
       .#HYPERGEOMETRIC FUNCTIONS
       FUNCTIONS (MATHEMATICS)
       #HYPERGEOMETRIC FUNCTIONS
  RT   BESSEL FUNCTIONS
       GEOMETRY
       HYPERSPACES

HYPERGEOMETRY
  USE  HYPERSPACES

HYPERGLYCEMIA
  0404 0405 0408
  GS   METABOLISM
       .CARBOHYDRATE METABOLISM
       .#HYPERGLYCEMIA

HYPERGOLIC ROCKET PROPELLANTS
  0603 2702
  GS   PROPELLANTS
       .ROCKET PROPELLANTS
       ..LIQUID ROCKET PROPELLANTS
       ..#HYPERGOLIC ROCKET PROPELLANTS
  RT   CRYOGENIC ROCKET PROPELLANTS
       GELLED ROCKET PROPELLANTS
       HYBRID PROPELLANTS
       HYDROCARBON FUELS
       PYROPHORIC MATERIALS
       SOLID PROPELLANT IGNITION
       SPONTANEOUS COMBUSTION
       STORABLE PROPELLANTS

HYPERION
  3105 3001
  GS   CELESTIAL BODIES
       .NATURAL SATELLITES
       ..ICY SATELLITES
       ..#HYPERION
       ..SATURN SATELLITES
       ..#HYPERION
  RT   SATURN (PLANET)

HYPERKINESIA
  0402
  GS   PHYSICAL EXERCISE
       #HYPERKINESIA
  RT   EXHAUSTION
       FATIGUE (BIOLOGY)
       HYPOKINESIA
       STRESS (PHYSIOLOGY)
       WORK CAPACITY

HYPERMEDIA
  USE  MULTIMEDIA

HYPERNEA
  0404 0405
  RT   MENTAL PERFORMANCE

HYPERNUCLEI
  2401 2403
  GS   PARTICLES
       .CHARGED PARTICLES
       ..ENERGETIC PARTICLES
       ...NUCLEI (NUCLEAR PHYSICS)
       ...#HYPERNUCLEI
  RT   ELEMENTARY PARTICLES
       RADIOACTIVE DECAY

HYPERONS
  2403 2405
  GS   PARTICLES
       .ELEMENTARY PARTICLES
       ..FERMIONS
       ...BARYONS
       ...#HYPERONS
       .....XI HYPERONS
  RT   ANTIPARTICLES
       BARYON RESONANCE
       CHARGED PARTICLES
       MESON RESONANCE
       NUCLEONS
       STRANGENESS

HYPEROPIA
  0405 0408 2310
  GS   ACUITY
```

.VISUAL ACUITY
.#HYPEROPIA
DEFECTS
#HYPEROPIA
RT EYE DISEASES
VISION

HYPEROXIA
0401 0402 0405 0408 0506 0507
UF OXYGEN TOXICITY
RT HYPERVENTILATION
OXIMETRY
OXYGEN CONSUMPTION
TOXIC DISEASES
TOXICITY

HYPERPLANES
1902 2311
GS ANALYSIS (MATHEMATICS)
.REAL VARIABLES
.#HYPERPLANES
RT HYPERSPACES
POLYTOPES
SET THEORY

HYPERPNEA
0404 0405
RT % BREATHING
RESPIRATORY RATE

HYPERSOMNIA
0405 0408
GS SLEEP
#HYPERSOMNIA

HYPERSONIC AIRCRAFT
0101 0201 0203 0205 0207
GS HYPERSONIC VEHICLES
#HYPERSONIC AIRCRAFT
..HYPERSONIC GLIDERS
...X-20 AIRCRAFT
RT AEROSPACE PLANES
% AIRCRAFT
BOOSTGLIDE VEHICLES
HYPERSONICS
JET AIRCRAFT
% LOW WING AIRCRAFT
RESEARCH AIRCRAFT
SUPERSONIC AIRCRAFT
SWEPTBACK TAIL SURFACES
SWEPTBACK WINGS
TRAPEZOIDAL TAIL SURFACES

HYPERSONIC BOUNDARY LAYER
0101 0201 1203 3501
GS BOUNDARY LAYERS
#HYPERSONIC BOUNDARY LAYER
RT LAMINAR BOUNDARY LAYER
THERMAL BOUNDARY LAYER
TURBULENT BOUNDARY LAYER

HYPERSONIC COMBUSTION
0101 0201 3301
GS COMBUSTION
#HYPERSONIC COMBUSTION
RT EROSIVE BURNING
FUEL COMBUSTION

HYPERSONIC FLIGHT
0101 0201 0205
RT AERODYNAMICS
% FLIGHT
HYPERSONICS
MISSILES
ROCKET FLIGHT
SUPERSONIC FLIGHT
WAVERIDERS

HYPERSONIC FLOW
0101 1202
GS FLUID FLOW
#HYPERSONIC FLOW
RT AERODYNAMICS
CASCADE WIND TUNNELS
COMPRESSIBLE FLOW
FLOW VELOCITY
GAS FLOW
HYPERSONICS
HYPERVELOCITY WIND TUNNELS
LIGHTHILL GAS MODEL
SHOCK TUBES
SHOCK TUNNELS
SHOCK WAVES
SUPERSONIC FLOW
WIND TUNNELS

HYPERSONIC FORCES
0101 0205 1203 3501
GS AERODYNAMIC FORCES
#HYPERSONIC FORCES
RT AERODYNAMIC DRAG
HYPERSONICS
LIFT

HYPERSONIC GLIDERS
0101 0201 0205 3105
GS GLIDERS
#HYPERSONIC GLIDERS
..X-20 AIRCRAFT
HYPERSONIC VEHICLES
.HYPERSONIC AIRCRAFT
.#HYPERSONIC GLIDERS
...X-20 AIRCRAFT
RT AEROSPACE PLANES
% AIRCRAFT
ASSET GLIDERS
BOOSTGLIDE VEHICLES
HL-10 REENTRY VEHICLE
HLD-35 REENTRY VEHICLE
LIFTING REENTRY VEHICLES
PARAGLIDERS

HYPERSONIC HEAT TRANSFER
0201 0205 3303 3304 3501
GS TRANSMISSION
.HEAT TRANSMISSION
..HEAT TRANSFER
...AERODYNAMIC HEAT TRANSFER
...#HYPERSONIC HEAT TRANSFER
RT AEROTHERMODYNAMICS
HYPERSONICS
SUPERSONIC HEAT TRANSFER

HYPERSONIC INLETS
0201 0202 0205
GS INTAKE SYSTEMS
.AIR INTAKES
.#HYPERSONIC INLETS
RT BYPASS RATIO
% DIFFUSERS
ENGINE INLETS
INLET AIRFRAME CONFIGURATIONS
NOSE INLETS
SIDE INLETS
SUPERSONIC INLETS

HYPERSONIC NOZZLES
0205 1203 2806 2808 3501
RT CONICAL NOZZLES
% NOZZLES
ROCKET NOZZLES
SUPERSONIC NOZZLES
TRANSONIC NOZZLES
WIND TUNNEL NOZZLES

HYPERSONIC REENTRY
0205 3105 3501
GS ATMOSPHERIC ENTRY
.REENTRY
.#HYPERSONIC REENTRY
...UNCONTROLLED REENTRY
(SPACECRAFT)
RT AERODYNAMIC HEATING
AEROTHERMODYNAMICS
BERENICE ROCKET VEHICLE

BOUNDARY LAYER PLASMAS
ENTRY GUIDANCE (STS)
REENTRY EFFECTS
REENTRY PHYSICS
SPACECRAFT REENTRY

HYPERSONIC SHOCK
0201 0205 1203 2311 3501
RT HYPERSONICS
MACH CONES
NOISE (SOUND)
SHOCK WAVES

HYPERSONIC SPEED
0201 0205 3009
SN (MACH 5 OR GREATER)
GS RATES (PER TIME)
#HYPERSONIC SPEED
VELOCITY
#HYPERSONIC SPEED
RT HIGH SPEED
HYPERSONICS
% HYPERVELOCITY
SUPERSONIC SPEED

HYPERSONIC TEST APPARATUS
1106 1108 1110 3501
RT HYPERSONICS
HYPERVELOCITY WIND TUNNELS
MISSILE RANGES
SUPERSONIC TEST APPARATUS
% TEST EQUIPMENT

HYPERSONIC VEHICLES
0201 0205
GS #HYPERSONIC VEHICLES
.HYPERSONIC AIRCRAFT
..HYPERSONIC GLIDERS
...X-20 AIRCRAFT
.X-30 VEHICLE
RT % FLIGHT VEHICLES
HYPERSONICS
% INSULATED STRUCTURES
NATIONAL AEROSPACE PLANE PROGRAM
RECOVERABLE SPACECRAFT
REENTRY VEHICLES
% SPACECRAFT
TEST VEHICLES
% VEHICLES
WAVERIDERS
% WINGED VEHICLES

HYPERSONIC WAKES
0201 0205 1203 3501
GS WAKES
#HYPERSONIC WAKES
RT AIRCRAFT WAKES
BOW WAVES
HYPERSONICS
SHOCK WAVES
SUPERSONIC WAKES

HYPERSONIC WIND TUNNELS
0101 0102 1108 1202 1203
GS TEST FACILITIES
.WIND TUNNELS
.#HYPERSONIC WIND TUNNELS
...CASCADE WIND TUNNELS
...HOTSHOT WIND TUNNELS
...PLASMA JET WIND TUNNELS
...SHOCK TUNNELS
RT BLOWDOWN WIND TUNNELS
COMBUSTION WIND TUNNELS
HYPERVELOCITY WIND TUNNELS
LOW DENSITY WIND TUNNELS
MAGNETIC PISTONS
SHOCK TUBES
SUBSONIC WIND TUNNELS
SUPERSONIC WIND TUNNELS
TRANSONIC WIND TUNNELS

HYPERSONICS
0101 1202 2301 2312
GS FLUID MECHANICS
.FLUID DYNAMICS
..GAS DYNAMICS
...AERODYNAMICS
...#HYPERSONICS
RT AEROTHERMODYNAMICS
HYPERSONIC AIRCRAFT
HYPERSONIC FLIGHT
HYPERSONIC FLOW
HYPERSONIC FORCES
HYPERSONIC HEAT TRANSFER
HYPERSONIC SHOCK
HYPERSONIC SPEED
HYPERSONIC TEST APPARATUS
HYPERSONIC VEHICLES
HYPERSONIC WAKES
SUPERSONIC SPEED
SUPERSONICS

HYPERSPACES
1902
UF HYPERGEOMETRY
RT HYPERGEOMETRIC FUNCTIONS
HYPERPLANES
HYPERSPHERES
PHASE-SPACE INTEGRAL
% SPACE

HYPERSPHERES
1902 2311
RT GEOMETRY
HYPERSPACES
REAL VARIABLES

HYPERTENSIN
0403 1808
GS DRUGS
.VASOCONSTRICTOR DRUGS
.#HYPERTENSIN
ORGANIC COMPOUNDS
.PEPTIDES
..POLYPEPTIDES
..#HYPERTENSIN
SECRETIONS
.ENDOCRINE SECRETIONS
..HORMONES
..#HYPERTENSIN

HYPERTENSION
0405 0408
GS PRESSURE
.BLOOD PRESSURE
.#HYPERTENSION
RT MYOCARDIAL INFARCTION
TRANQUILIZERS

HYPERTHERMIA
0405 0408 0404
RT BODY TEMPERATURE
FEVER
HEAT STROKE
SKIN TEMPERATURE (BIOLOGY)
THERMOREGULATION

HYPERTONIA
USE OSMOSIS

HYPERTROPHY
USE GROWTH

% HYPERVELOCITY
2301 2312 3201
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT ESCAPE VELOCITY
HYPERSONIC SPEED
ORBITAL VELOCITY
RELATIVISTIC VELOCITY

HYPERVELOCITY ACCELERATORS
USE HYPERVELOCITY GUNS

```
HYPERVELOCITY CRATERING
  USE  HYPERVELOCITY PROJECTILES
       PROJECTILE CRATERING

HYPERVELOCITY FLOW
  0102 1110 1203 2405 3501
  GS   FLUID FLOW
       #HYPERVELOCITY FLOW
  RT   FLOW VELOCITY
       SUPERSONIC FLOW

HYPERVELOCITY GUNS
  2308 3302 3401
  UF   HYPERVELOCITY ACCELERATORS
  RT % ACCELERATORS
       BALLISTICS
       GAS GUNS
     % GUNS
       GUNS (ORDNANCE)
       RAILGUN ACCELERATORS

HYPERVELOCITY IMPACT
  2308 3201 3009
  GS   IMPACT
       #HYPERVELOCITY IMPACT
  RT   HYDRODYNAMIC RAM EFFECT
       IMPACT MELTS
       MECHANICAL SHOCK
       METEORITE COLLISIONS
       METEORITIC DAMAGE
       POINT IMPACT
       PROJECTILE CRATERING

HYPERVELOCITY LAUNCHERS
  1104 2308 3103
  GS   LAUNCHERS
       #HYPERVELOCITY LAUNCHERS
  RT   GUN LAUNCHERS
       RAILGUN ACCELERATORS

HYPERVELOCITY PROJECTILES
  3101 3110 3302 3401
  UF   HYPERVELOCITY CRATERING
  GS   PROJECTILES
       #HYPERVELOCITY PROJECTILES
  RT % BOMBARDMENT
       LIGHT GAS GUNS
       METEOROIDS
       MICROMETEORITES
       PROJECTILE CRATERING
       SIMULATION

HYPERVELOCITY WIND TUNNELS
  0201 1110 1203 3501
  SN   (ABOVE MACH 10)
  GS   TEST FACILITIES
       .WIND TUNNELS
       .#HYPERVELOCITY WIND TUNNELS
       ...CASCADE WIND TUNNELS
       ...HOTSHOT WIND TUNNELS
       ...PLASMA JET WIND TUNNELS
       ...SHOCK TUNNELS
  RT   BLOWDOWN WIND TUNNELS
       COMBUSTION WIND TUNNELS
       HYPERSONIC FLOW
       HYPERSONIC TEST APPARATUS
       HYPERSONIC WIND TUNNELS
       LOW DENSITY WIND TUNNELS
       MAGNETIC PISTONS
       SHOCK TUBES
       SUPERSONIC WIND TUNNELS

HYPERVENTILATION
  0405 0408 0506
  RT   ACIDOSIS
       ALKALOSIS
       HYPEROXIA

HYPERVOLEMIA
  0405 0408
  RT   BLOOD CIRCULATION
       BLOOD VOLUME
       CIRCULATORY SYSTEM

HYPNOSIS
  0405 0408
  GS   SLEEP
       #HYPNOSIS
  RT   ANESTHESIA
       SUGGESTION

HYPOBARIC ATMOSPHERES
  0401 1302 1408 3501
  RT   ALTITUDE SIMULATION
       ALTITUDE TOLERANCE
     % ATMOSPHERES
       HIGH ALTITUDE BREATHING
       HIGH ALTITUDE ENVIRONMENTS
       HIGH ALTITUDE PRESSURE
       LOW PRESSURE
       VACUUM TESTS

HYPOCAPNIA
  0405 0408
  GS   CARBON DIOXIDE TENSION
       #HYPOCAPNIA
  RT   BLOOD

HYPODERMIS
  0403 0404
  GS   TISSUES (BIOLOGY)
       #HYPODERMIS

HYPODYNAMIA
  0404 0408
  RT   MUSCLES
       MUSCULAR FUNCTION

HYPOELASTICITY
  3408
  GS   MECHANICAL PROPERTIES
       .ELASTIC PROPERTIES
       .#HYPOELASTICITY

HYPOGLYCEMIA
  0405 0408
  GS   METABOLISM
       .CARBOHYDRATE METABOLISM
       .#HYPOGLYCEMIA

HYPOKINESIA
  0404 0408
  RT   HEAD DOWN TILT
       HYPERKINESIA
       MUSCULAR FUNCTION
       MUSCULOSKELETAL SYSTEM
       PHYSICAL EXERCISE

HYPOMETABOLISM
  0405 0406 0408
  GS   METABOLISM
       #HYPOMETABOLISM
  RT   THYROID GLAND

HYPOPHYSIS
  USE  PITUITARY GLAND

HYPOTENSION
  0405 0408
  GS   PRESSURE
       .BLOOD PRESSURE
       .#HYPOTENSION
  RT   HEMORRHAGES

HYPOTHALAMUS
  0404 0405 0408
  GS   ANATOMY
       .GLANDS (ANATOMY)
       ..ENDOCRINE GLANDS
       ..#HYPOTHALAMUS
       .NERVOUS SYSTEM
       ..CENTRAL NERVOUS SYSTEM
       ...BRAIN
       ....DIENCEPHALON
```

....#HYPOTHALAMUS
RT PITUITARY GLAND

HYPOTHERMIA
0404 0405 0408
RT BODY TEMPERATURE
SKIN TEMPERATURE (BIOLOGY)
THERMOREGULATION

HYPOTHESES
1902 2311 3406
GS #HYPOTHESES
.EXPECTANCY HYPOTHESIS
.INTERMITTENCY HYPOTHESIS
.LAGRANGE SIMILARITY HYPOTHESIS
.NULL HYPOTHESIS
.VORTICITY TRANSPORT HYPOTHESIS
RT ASSUMPTIONS
INFERENCE
MATHEMATICAL LOGIC
QUALITY CONTROL
THEOREMS
% THEORIES
THESES

HYPOTONIA
0405 0408
GS MUSCULAR TONUS
#HYPOTONIA
RT MUSCULAR FUNCTION

HYPOVENTILATION
0405 0408
GS RATES (PER TIME)
.RESPIRATORY RATE
.#HYPOVENTILATION

HYPOVOLEMIA
0405 0408
RT BLOOD CIRCULATION
BLOOD VOLUME

HYPOXEMIA
0405 0408
GS PRESSURE
.PARTIAL PRESSURE
..OXYGEN TENSION
..#HYPOXEMIA
RT HYPOXIA

HYPOXIA
0405 0408
UF OXYGEN DEFICIENCY
RT ANOXIA
FASTING
HYPOXEMIA
OXIMETRY
OXYGEN CONSUMPTION
STRESS (PHYSIOLOGY)

HYPSOGRAPHY
1303 1304 1306 1902 1903 2003
GS GEOGRAPHY
#HYPSOGRAPHY
RT CONTOURS
DATUM (ELEVATION)
ELEVATION
MAPPING
MAPS
RELIEF MAPS
TOPOGRAPHY

HYPSOMETERS
0409 1406 3501
GS MEASURING INSTRUMENTS
#HYPSOMETERS
RT ALTIMETERS
BAROMETERS
METEOROLOGICAL INSTRUMENTS
PRESSURE GAGES

HYSTERESIS
1201 3304 3408
RT ACCURACY
ANTIFERROELECTRICITY
ANTIFERROMAGNETISM
DAMPING
DYNAMIC CHARACTERISTICS
EDDY CURRENTS
ELECTRICAL PROPERTIES
ERRORS
INTERNAL FRICTION
MAGNETIC PERMEABILITY
MAGNETIC PROPERTIES
MECHANICAL PROPERTIES
OPTICAL BISTABILITY
% PHYSICAL PROPERTIES
PRECISION
RETARDING
SHEAR PROPERTIES
TENSILE STRENGTH
TIME LAG
TOLERANCES (MECHANICS)
VISCOELASTICITY
VISCOPLASTICITY

I BEAMS
1507 3202 3203
GS STRUCTURAL MEMBERS
.BEAMS (SUPPORTS)
.#I BEAMS
RT CANTILEVER BEAMS
CURVED BEAMS
TRUSSES

IAPETUS
3001 3008
GS CELESTIAL BODIES
.NATURAL SATELLITES
..ICY SATELLITES
..#IAPETUS
..SATURN SATELLITES
..#IAPETUS
RT CHARON
SATURN (PLANET)

IBM COMPUTERS
0802 0803 1107
GS DATA PROCESSING EQUIPMENT
.COMPUTERS
.#IBM COMPUTERS
...IBM PERSONAL COMPUTERS
...IBM 360 COMPUTER
...IBM 370 COMPUTER
...IBM 650 COMPUTER
...IBM 704 COMPUTER
...IBM 709 COMPUTER
...IBM 1130 COMPUTER
...IBM 1401 COMPUTER
...IBM 1410 COMPUTER
...IBM 1620 COMPUTER
...IBM 2250 COMPUTER
...IBM 7030 COMPUTER
...IBM 7040 COMPUTER
...IBM 7044 COMPUTER
...IBM 7070 COMPUTER
...IBM 7074 COMPUTER
...IBM 7090 COMPUTER
...IBM 7094 COMPUTER
RT DIGITAL COMPUTERS

IBM PC
USE IBM PERSONAL COMPUTERS

IBM PERSONAL COMPUTERS
0801 0802 0905 3502
SN (INCLUDES IBM COMPATIBLE PERSONAL COMPUTERS)
UF IBM PC
GS DATA PROCESSING EQUIPMENT
.COMPUTERS
..DIGITAL COMPUTERS
...MICROCOMPUTERS
....PERSONAL COMPUTERS
....#IBM PERSONAL COMPUTERS

```
      ..IBM COMPUTERS
      ..#IBM PERSONAL COMPUTERS
  RT  COMPUTER GRAPHICS
      COMPUTER PROGRAMS

IBM 360 COMPUTER
  0801
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..DIGITAL COMPUTERS
      ..#IBM 360 COMPUTER
      ..IBM COMPUTERS
      ..#IBM 360 COMPUTER

IBM 370 COMPUTER
  0801
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..DIGITAL COMPUTERS
      ..#IBM 370 COMPUTER
      ..IBM COMPUTERS
      ..#IBM 370 COMPUTER

IBM 650 COMPUTER
  0802 0803 1107
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..DIGITAL COMPUTERS
      ..#IBM 650 COMPUTER
      ..IBM COMPUTERS
      ..#IBM 650 COMPUTER

IBM 704 COMPUTER
  0802 0803 1107
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..DIGITAL COMPUTERS
      ..#IBM 704 COMPUTER
      ..IBM COMPUTERS
      ..#IBM 704 COMPUTER

IBM 709 COMPUTER
  0802 0803 1107
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..DIGITAL COMPUTERS
      ..#IBM 709 COMPUTER
      ..IBM COMPUTERS
      ..#IBM 709 COMPUTER

IBM 1130 COMPUTER
  0801 0802 0803
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..DIGITAL COMPUTERS
      ..#IBM 1130 COMPUTER
      ..IBM COMPUTERS
      ..#IBM 1130 COMPUTER

IBM 1401 COMPUTER
  0802 0803 1107
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..DIGITAL COMPUTERS
      ..#IBM 1401 COMPUTER
      ..IBM COMPUTERS
      ..#IBM 1401 COMPUTER

IBM 1410 COMPUTER
  0802 0803 1107
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..DIGITAL COMPUTERS
      ..#IBM 1410 COMPUTER
      ..IBM COMPUTERS
      ..#IBM 1410 COMPUTER

IBM 1620 COMPUTER
  0802 0803 1107
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..DIGITAL COMPUTERS
      ..#IBM 1620 COMPUTER
      ..IBM COMPUTERS
      ..#IBM 1620 COMPUTER

IBM 2250 COMPUTER
  0801
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..DIGITAL COMPUTERS
      ..#IBM 2250 COMPUTER
      ..IBM COMPUTERS
      ..#IBM 2250 COMPUTER

IBM 7030 COMPUTER
  0801
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..DIGITAL COMPUTERS
      ..#IBM 7030 COMPUTER
      ..IBM COMPUTERS
      ..#IBM 7030 COMPUTER

IBM 7040 COMPUTER
  0802 0803 1107
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..DIGITAL COMPUTERS
      ..#IBM 7040 COMPUTER
      ..IBM COMPUTERS
      ..#IBM 7040 COMPUTER

IBM 7044 COMPUTER
  0802 0803 1107
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..DIGITAL COMPUTERS
      ..#IBM 7044 COMPUTER
      ..IBM COMPUTERS
      ..#IBM 7044 COMPUTER

IBM 7070 COMPUTER
  0802 0803 1107
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..DIGITAL COMPUTERS
      ..#IBM 7070 COMPUTER
      ..IBM COMPUTERS
      ..#IBM 7070 COMPUTER

IBM 7074 COMPUTER
  0802 0803 1107
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..DIGITAL COMPUTERS
      ..#IBM 7074 COMPUTER
      ..IBM COMPUTERS
      ..#IBM 7074 COMPUTER

IBM 7090 COMPUTER
  0802 0803 1107
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..DIGITAL COMPUTERS
      ..#IBM 7090 COMPUTER
      ..IBM COMPUTERS
      ..#IBM 7090 COMPUTER

IBM 7094 COMPUTER
  0802 0803 1107
  GS  DATA PROCESSING EQUIPMENT
      .COMPUTERS
      ..DIGITAL COMPUTERS
      ..#IBM 7094 COMPUTER
      ..IBM COMPUTERS
      ..#IBM 7094 COMPUTER

ICARUS ASTEROID
  3001 3008
  GS  CELESTIAL BODIES
      .ASTEROID BELTS
      ..ASTEROIDS
      ..#ICARUS ASTEROID
```

```
ICBM (MISSILES)
  USE  INTERCONTINENTAL BALLISTIC MISSILES

ICE
  0603 1803 2003 3009
  GS  #ICE
       .BAY ICE
       .GLACIERS
       .LAKE ICE
       ..ICE FLOES
       .LAND ICE
       .SEA ICE
       ..ICE FLOES
       ..ICEBERGS
       ..PRESSURE ICE
  RT   AUFEIS (ICE)
       CIRQUES (LANDFORMS)
       FROST
       ICE CLOUDS
       POLAR CAPS
       REFRIGERANTS
       RUNWAY CONDITIONS
       SLUSH
       STORMS (METEOROLOGY)
       WATER

ICE CLOUDS
  1301 1308 2003
  GS   CLOUDS (METEOROLOGY)
       #ICE CLOUDS
  RT   CLOUD GLACIATION
     % CLOUDS
       ICE
       STRATOSPHERE

ICE ENVIRONMENTS
  1310 2003
  UF   ANTARCTIC ENVIRONMENT
       ARCTIC ENVIRONMENTS
  GS   ENVIRONMENTS
       #ICE ENVIRONMENTS
  RT   ENVIRONMENT EFFECTS
       MARINE ENVIRONMENTS
       SEA ICE

ICE FLOES
  1310 2003
  GS   ICE
       .LAKE ICE
       .#ICE FLOES
       .SEA ICE
       .#ICE FLOES
  RT   OCEANOGRAPHY

ICE FORMATION
  1301 1302 1408 2003
  UF   ICING
  GS  #ICE FORMATION
       .AIRCRAFT ICING
       .CLOUD GLACIATION
  RT   BAY ICE
       FOULING
       FREEZING
       GRAUPEL
       HAIL
       LAKE ICE
       LOW TEMPERATURE
       PRESSURE ICE
       SEA ICE
       SNOW

ICE MAPPING
  0705 1303 1305 1310 2003 2004 1902
  GS   MAPPING
       #ICE MAPPING
  RT   AERIAL PHOTOGRAPHY
       BAY ICE
       EARTH RESOURCES
       HYDROGRAPHY
       HYDROLOGY
       INFRARED PHOTOGRAPHY
       OCEANOGRAPHY
       PHOTOGEOLOGY
       PHOTOGRAPHY
       PHOTOMAPPING
       SEA ICE
       SPACE SURVEILLANCE (SPACEBORNE)
       SURVEILLANCE

ICE NUCLEI
  0603 2404 2601
  RT   AITKEN NUCLEI
       CLOUD GLACIATION
       CONDENSATION NUCLEI
       FREEZING
       GRAUPEL
       NUCLEATION
     % NUCLEI

ICE OBSERVATION
  USE  ICE REPORTING

ICE PACKS
  USE  SEA ICE

ICE PREVENTION
  0202 0303 0603
  GS   PREVENTION
       #ICE PREVENTION
  RT   AIRCRAFT ICING
       ANTIICING ADDITIVES
       DEFROSTING
       DEICERS
       DEICING
       HEAT TAPES
       HEATING
       MELTING
       STORM SUPPRESSION

ICE REPORTING
  0705 1302 2002 2003 2004
  UF   ICE OBSERVATION
  RT   BAY ICE
       ICEBERGS
       METEOROLOGICAL FLIGHT
       POLAR METEOROLOGY
       SPACE SURVEILLANCE (SPACEBORNE)
       SURVEILLANCE

ICE SHELVES
  USE  LAND ICE

ICEBERGS
  1310 2001 2003 3503
  GS   ICE
       .SEA ICE
       .#ICEBERGS
       RESOURCES
       .EARTH RESOURCES
       .#ICEBERGS
  RT   ICE REPORTING
       LAND ICE

ICELAND
  3403
  GS   LANDFORMS
       .ISLANDS
       .#ICELAND
       NATIONS
       #ICELAND
  RT   EUROPE
       ICELANDIC SPACE PROGRAM

ICELANDIC SPACE PROGRAM
  3409
  GS   PROGRAMS
       .SPACE PROGRAMS
       ..EUROPEAN SPACE PROGRAMS
       ..#ICELANDIC SPACE PROGRAM
  RT   ICELAND

ICHTHYOLOGY
  0402 0404
  RT   FISHES
       SCHOOLS (FISH)
```

```
ICING
  USE  ICE FORMATION

ICL COMPUTERS
  0702
  UF   INTERNATIONAL COMPUTERS LIMITED
  GS   DATA PROCESSING EQUIPMENT
       .COMPUTERS
       ..DIGITAL COMPUTERS
       ..#ICL COMPUTERS
  RT   EUROPEAN SPACE AGENCY

ICOSAHEDRONS
  1902
  GS   GEOMETRY
       .EUCLIDEAN GEOMETRY
       ..POLYHEDRONS
       ..#ICOSAHEDRONS

ICY SATELLITES
  3001 3005 3009
  GS   CELESTIAL BODIES
       .NATURAL SATELLITES
       .#ICY SATELLITES
       ...ARIEL
       ...CALLISTO
       ...DIONE
       ...ENCELADUS
       ...EUROPA
       ...GANYMEDE
       ...HYPERION
       ...IAPETUS
       ...MIMAS
       ...RHEA (ASTRONOMY)
       ...TETHYS
       ...TITANIA
  RT   GALILEAN SATELLITES
       JUPITER SATELLITES
       SATELLITE SURFACES
       SATURN SATELLITES

IDAHO
  1305
  GS   NATIONS
       .UNITED STATES
       .#IDAHO
  RT   COLUMBIA RIVER BASIN (ID-OR-WA)
       YELLOWSTONE NATIONAL PARK
       (ID-MT-WY)

IDEAL FLUIDS
  0603 2311 3408
  RT   COMPRESSIBLE FLUIDS
       EQUATIONS OF STATE
     % FLUIDS
       INCOMPRESSIBLE FLUIDS
       MOLLIER DIAGRAM

IDEAL GAS
  0603 2311 3408 1203
  UF   PERFECT GAS
  GS   GASES
       #IDEAL GAS
  RT   DALTON LAW
       EQUATIONS OF STATE
       GAS DENSITY
       KINETIC THEORY
       KINETICS
       REAL GASES

IDENTIFY FRIEND OR FOE
  USE  IFF SYSTEMS (IDENTIFICATION)

IDENTIFYING
  0601 1103 1406 1505 1704 3406 3407
  3501
  GS  #IDENTIFYING
       .CROP IDENTIFICATION
       .IFF SYSTEMS (IDENTIFICATION)
       .PARAMETER IDENTIFICATION
       .RAPID BALLISTICS IDENTIFICATION
       .SYSTEM IDENTIFICATION
       .TIMBER IDENTIFICATION
  RT   CHEMICAL ANALYSIS
       CODING
       COGNITION
       DETECTION
       GAS DETECTORS
       INSPECTION
       MARKING
     % MEASUREMENT
       MISSILE DETECTION
       PARTICULATE SAMPLING
       PERCEPTION
       RECOGNITION
       SPECTRAL SIGNATURES
       TRACKING (POSITION)
       ULTRASONIC FLAW DETECTION
       WISWESSER NOTATIONS

IDENTITIES
  1902
  RT   CONGRUENCES
     % EQUATIONS

IDEP (DATA EXCHANGE)
  USE  INTERSERVICE DATA EXCHANGE PROGRAM

IDLERS
  1504
  RT   BEARINGS
       GEARS
       PULLEYS
       ROLLERS
       VEHICULAR TRACKS

IFF SYSTEMS (IDENTIFICATION)
  0601
  UF   IDENTIFY FRIEND OR FOE
  GS   IDENTIFYING
       #IFF SYSTEMS (IDENTIFICATION)
  RT   AIRCRAFT DETECTION
       COGNITION
       INTERROGATION
       RECOGNITION
     % SYSTEMS

IFR (RULES)
  USE  INSTRUMENT FLIGHT RULES

IGFET
  USE  FIELD EFFECT TRANSISTORS

IGNEOUS ROCKS
  1806 1306
  UF   IGNIMBRITE
  GS   ROCKS
       #IGNEOUS ROCKS
       ..ANORTHOSITE
       ..BASALT
       ..DIORITE
       ..DUNITE
       ..ECLOGITE
       ..FELSITE
       ..GABBRO
       ..GRANITE
       ..OBSIDIAN
       ...MOLDAVITE
       ..PERIDOTITE
       ..PUMICE
       ..RHYOLITE
       ..SYENITE
       ..TRACHYTE
  RT   ANDESITE
       BATHOLITHS
       BRECCIA
       EFFUSIVES
       ENSTATITE
       FELDSPARS
       ILMENITE
       LAVA
       MAGMA
       MICA
       MINERALS
```

```
        OLIVINE
        PYROXENES
        QUARTZ
        REGOLITH
        ROCK INTRUSIONS
        SEDIMENTARY ROCKS
        SOILS
        SPINEL
        TOURMALINE

IGNIMBRITE
  USE   IGNEOUS ROCKS

IGNITERS
  2805 2806 2808 3301
  GS   #IGNITERS
        .INITIATORS (EXPLOSIVES)
        ..BOOSTERS (EXPLOSIVES)
        ..CAPS (EXPLOSIVES)
        ..DETONATORS
        ..EXPLODING WIRES
        ..PRIMERS (EXPLOSIVES)
        .SQUIBS
  RT    AMMUNITION
        ELECTRIC IGNITION
        EXPLOSIVE DEVICES
        IGNITION
        IGNITION SYSTEMS
        INCENDIARY AMMUNITION
        PYROPHORIC MATERIALS
        SOLID PROPELLANT IGNITION
        SPARK PLUGS

IGNITION
  2808 3102 3301 3302 3407
  UF    REIGNITION
  GS   #IGNITION
        .ELECTRIC IGNITION
        .SOLID PROPELLANT IGNITION
        .SPARK IGNITION
  RT    COMBUSTION
        COMBUSTION PHYSICS
        FIRING (IGNITING)
        FLAME PROPAGATION
        FLAMMABILITY
        FLASH POINT
        FUEL COMBUSTION
        IGNITERS
        PREMIXING
        PROPELLANT COMBUSTION
        ROASTING
        SPARKS
        SPONTANEOUS COMBUSTION
        STARTING

IGNITION LIMITS
  0602 2701 2702 3301
  RT    COMBUSTION
        FLAME RETARDANTS
        FLAMMABILITY
        FUEL-AIR RATIO
        GAS MIXTURES
      % LIMITS

IGNITION SYSTEMS
  0602 2801 2806 3301
  RT    AUTOMOBILES
        DISTRIBUTORS
        DWELL
        ELECTRIC COILS
        ELECTRIC IGNITION
        ENGINES
        IGNITERS
        INTERNAL COMBUSTION ENGINES
        ROCKET ENGINES
        SPARK PLUGS
        SQUIBS
        STARTERS
      % SYSTEMS

IGNITION TEMPERATURE
  0602 2701 2702 2801 2805 3301
  GS    TEMPERATURE
        #IGNITION TEMPERATURE
        ..FLASH POINT
  RT    COMBUSTION TEMPERATURE
        FLAMMABILITY
        PROPELLANT SENSITIVITY
        PYROPHORIC MATERIALS
        SOLID PROPELLANT IGNITION
        SPONTANEOUS COMBUSTION
        THERMITES

IGNITRONS
  0905 1002 1507
  GS    ELECTRON TUBES
        .GAS DISCHARGE TUBES
        .#IGNITRONS
        RECTIFIERS
        #IGNITRONS

IGOSS
  USE   INTEGRATED GLOBAL OCEAN STATION
        SYSTEMS

IGY (GEOPHYSICAL YEAR)
  USE   INTERNATIONAL GEOPHYSICAL YEAR

IHD (HYDROLOGICAL DECADE)
  USE   INTERNATIONAL HYDROLOGICAL DECADE

IL-14 AIRCRAFT
  0207
  UF    ILYUSHIN IL-14 AIRCRAFT
  GS    ILYUSHIN AIRCRAFT
        #IL-14 AIRCRAFT
        MONOPLANES
        #IL-14 AIRCRAFT
        TRANSPORT AIRCRAFT
        #IL-14 AIRCRAFT
  RT %  AIRCRAFT

IL-62 AIRCRAFT
  0204
  UF    CLASSIC AIRCRAFT
        ILYUSHIN IL-62 AIRCRAFT
  GS    COMMERCIAL AIRCRAFT
        #IL-62 AIRCRAFT
        ILYUSHIN AIRCRAFT
        #IL-62 AIRCRAFT
        JET AIRCRAFT
        .TURBOFAN AIRCRAFT
        .#IL-62 AIRCRAFT
        MONOPLANES
        #IL-62 AIRCRAFT
        PASSENGER AIRCRAFT
        #IL-62 AIRCRAFT
  RT %  AIRCRAFT

ILLIAC COMPUTERS
  0801
  GS    DATA PROCESSING EQUIPMENT
        .COMPUTERS
        ..DIGITAL COMPUTERS
        ..#ILLIAC COMPUTERS
        ....ILLIAC 3 COMPUTER
        ....ILLIAC 4 COMPUTER

ILLIAC 3 COMPUTER
  0801
  GS    DATA PROCESSING EQUIPMENT
        .COMPUTERS
        ..DIGITAL COMPUTERS
        ...ILLIAC COMPUTERS
        ...#ILLIAC 3 COMPUTER
  RT    ANALOG TO DIGITAL CONVERTERS
        PARALLEL PROCESSING (COMPUTERS)

ILLIAC 4 COMPUTER
  0801
  GS    DATA PROCESSING EQUIPMENT
        .COMPUTERS
        ..DIGITAL COMPUTERS
        ...ILLIAC COMPUTERS
        ...#ILLIAC 4 COMPUTER
```


C-8.

```
  RT   ANALOG TO DIGITAL CONVERTERS
       PARALLEL PROCESSING (COMPUTERS)

ILLINOIS
  1305
  GS   NATIONS
       .UNITED STATES
       .#ILLINOIS
  RT   OHIO RIVER (US)
       WABASH RIVER BASIN (IL-IN-OH)

ILLITE
  1806
  GS   CLAYS
       #ILLITE
       MINERALS
       #ILLITE
  RT   SOILS

ILLUMINANCE
  0605 2306 2310 2402 3408 2903
  SN   (LIMITED TO DETECTION RATE PER
       UNIT AREA OF VISIBLE
       RADIATION--EQUALS LIGHT PRESSURE
       TIMES SPEED OF LIGHT)
  UF   LIGHT PRESSURE
  GS   PRESSURE
       .RADIATION PRESSURE
       ..LUMINOUS INTENSITY
       ..#ILLUMINANCE
       RATES (PER TIME)
       .FLUX DENSITY
       ..RADIANT FLUX DENSITY
       ...IRRADIANCE
       ...#ILLUMINANCE
       ...LUMINOUS INTENSITY
       ...#ILLUMINANCE
  RT   BRIGHTNESS
       ILLUMINATING
     % ILLUMINATION
       LIGHT (VISIBLE RADIATION)
       LUMINANCE
       LUMINOSITY
       RADIANCY
       SOLAR CONSTANT
       SOLAR FLUX DENSITY
       VISIBILITY

ILLUMINATING
  0605 2306 2310 2402
  UF   LIGHTING
  RT   ARCHITECTURE
       BRIGHTNESS
       COMFORT
       DARKNESS
       ENVIRONMENTAL ENGINEERING
     % FLARES
       GLARE
       HUMAN FACTORS ENGINEERING
       ILLUMINANCE
     % ILLUMINATION
       LIGHT SOURCES
       LIGHT TRANSMISSION
       LIGHTING EQUIPMENT
       LUMINAIRES
       LUMINANCE
       PHOTOMETRY
     % PROJECTION
       PROJECTORS
       PYROTECHNICS
       SHADOWS

% ILLUMINATION
  0605 2306 2310 2402
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   BRIGHTNESS DISCRIMINATION
       DARKENING
       DARKNESS
     % DIFFUSERS
       ILLUMINANCE
       ILLUMINATING
       ILLUMINATORS
       ISOPHOTES
       LIGHT TRANSMISSION
       LUMINESCENCE
       PHOTOMETRY

ILLUMINATORS
  0605 0904 2306 2310 2402
  GS   LIGHT SOURCES
       #ILLUMINATORS
       LIGHTING EQUIPMENT
       #ILLUMINATORS
  RT % ILLUMINATION
       INCANDESCENCE
       LUMINESCENCE

ILLUSIONS
  0408 2310
  GS   PSYCHOLOGICAL EFFECTS
       #ILLUSIONS
       ..HALLUCINATIONS
       ..MOON ILLUSION
       ..OCULOGRAVIC ILLUSIONS
       ..OPTICAL ILLUSION
       ...ELEVATOR ILLUSION
  RT   AFTERIMAGES
       IMAGES
       PERCEPTION
       VISION

ILMENITE
  1806
  GS   CHALCOGENIDES
       .OXIDES
       ..METAL OXIDES
       ...IRON OXIDES
       ...#ILMENITE
       ...TITANIUM OXIDES
       ...#ILMENITE
       IRON COMPOUNDS
       .IRON OXIDES
       .#ILMENITE
       MINERALS
       #ILMENITE
       TITANIUM COMPOUNDS
       .TITANATES
       .#ILMENITE
       .TITANIUM OXIDES
       .#ILMENITE
  RT   IGNEOUS ROCKS
       SANDS

ILS (LANDING SYSTEMS)
  USE  INSTRUMENT LANDING SYSTEMS

ILYUSHIN AIRCRAFT
  0204 0207
  GS  #ILYUSHIN AIRCRAFT
       .IL-14 AIRCRAFT
       .IL-62 AIRCRAFT
  RT % AIRCRAFT

ILYUSHIN IL-14 AIRCRAFT
  USE  IL-14 AIRCRAFT

ILYUSHIN IL-62 AIRCRAFT
  USE  IL-62 AIRCRAFT

IMAGE ANALYSIS
  2310 3009
  GS  #IMAGE ANALYSIS
       .IMAGE CLASSIFICATION
  RT   CLUSTER ANALYSIS
       EDGE DETECTION
       IMAGE ENHANCEMENT
       IMAGE PROCESSING
       IMAGE RESOLUTION
       OPTICAL FLOW (IMAGE ANALYSIS)
       PATTERN RECOGNITION
       RADAR IMAGERY
       REMOTE SENSING
       SATELLITE IMAGERY
```

SCENE ANALYSIS

IMAGE CLASSIFICATION
0803 1401 1407 1409 3405 3407
GS IMAGE ANALYSIS
#IMAGE CLASSIFICATION
RT ATMOSPHERIC CORRECTION
CHANGE DETECTION
CLASSIFICATIONS
% CLASSIFYING
IMAGE CORRELATORS
IMAGE ENHANCEMENT
IMAGE PROCESSING
IMAGING TECHNIQUES
OPTICAL DATA PROCESSING
PATTERN RECOGNITION
REMOTE SENSING
REMOTE SENSORS

IMAGE CONTRAST
0702 1407 1412 2310
GS CONTRAST
#IMAGE CONTRAST
RT FOCUSING
GRAY SCALE
PATTERN REGISTRATION
RESOLUTION
SELF FOCUSING
SIGNAL TO NOISE RATIOS
SMEAR
VISIBILITY

IMAGE CONVERTERS
0903 1407
GS OPTICAL EQUIPMENT
#IMAGE CONVERTERS
..CELESCOPES
..IMAGE TUBES
...THERMICONS
RT CAMERA TUBES
% CONVERTERS
LALLEMAND CAMERAS
LIGHT AMPLIFIERS
MICROCHANNELS
PHOTOCATHODES

IMAGE CORRELATORS
1303 1401 1407
UF SIMICOR (IMAGE CORRELATOR)
SIMULTANEOUS IMAGE CORRELATOR
GS CORRELATORS
#IMAGE CORRELATORS
RT HOLOGRAPHY
IMAGE CLASSIFICATION
IMAGING TECHNIQUES
MAP MATCHING GUIDANCE
OPTICAL CORRELATORS
PATTERN REGISTRATION
SPECKLE HOLOGRAPHY
VIDEO LANDMARK ACQUISITION AND TRACKING

IMAGE DISSECTOR TUBES
0702 0903
GS ELECTRON TUBES
.CAMERA TUBES
.#IMAGE DISSECTOR TUBES
TELEVISION EQUIPMENT
#IMAGE DISSECTOR TUBES
RT GUIDANCE SENSORS
SATELLITE ORIENTATION

IMAGE ENHANCEMENT
2306 2309 2311
RT BAND RATIOING
FOCUSING
GEOMETRIC RECTIFICATION (IMAGERY)
GRAY SCALE
IMAGE ANALYSIS
IMAGE CLASSIFICATION
IMAGES
IMAGING TECHNIQUES
LIGHT AMPLIFIERS
RADIOMETRIC CORRECTION
RESOLUTION
SIGNAL TO NOISE RATIOS
TOMOGRAPHY
VEGETATIVE INDEX

IMAGE FILTERS
1407 1412 1802 2310
RT % FILTERS
IMAGING TECHNIQUES

IMAGE FURNACES
1108 2306 2310
GS HEATING EQUIPMENT
.FURNACES
.#IMAGE FURNACES
LABORATORY EQUIPMENT
#IMAGE FURNACES
RT ARC HEATING
CARBON ARCS

IMAGE INTENSIFIERS
1413 1601 2306 3009
UF INTENSIFIER TUBES
GS INTENSIFIERS
#IMAGE INTENSIFIERS
..IMAGE ORTHICONS
RT AMPLIFIERS
IMAGING TECHNIQUES
LALLEMAND CAMERAS
LIGHT AMPLIFIERS
NIGHT VISION
ORTHICONS
PHOSPHORS
PHOTOCATHODES

IMAGE MOTION COMPENSATION
1407 2310
RT AERIAL PHOTOGRAPHY
% COMPENSATION
IMAGING TECHNIQUES
PATTERN REGISTRATION

IMAGE ORTHICONS
0702 0903
GS ELECTRON TUBES
.CAMERA TUBES
..ORTHICONS
..#IMAGE ORTHICONS
INTENSIFIERS
.IMAGE INTENSIFIERS
.#IMAGE ORTHICONS
RT PHOTOCATHODES

IMAGE PROCESSING
2310 3009
GS #IMAGE PROCESSING
.BAND RATIOING
.GEOMETRIC RECTIFICATION (IMAGERY)
RT ATMOSPHERIC CORRECTION
CHANGE DETECTION
CLUSTER ANALYSIS
COMPUTER AIDED TOMOGRAPHY
DATA PROCESSING
EDGE DETECTION
FEATURE IDENTIFICATION AND LOCATION EXPER
FRAMES (DATA PROCESSING)
GEOMETRIC ACCURACY
GRAY SCALE
IMAGE ANALYSIS
IMAGE CLASSIFICATION
IMAGERY
IMAGING TECHNIQUES
MULTISENSOR APPLICATIONS
NAP-OF-THE-EARTH NAVIGATION
ONBOARD DATA PROCESSING
OPTICAL DATA PROCESSING
OPTICAL FLOW (IMAGE ANALYSIS)
POINT SPREAD FUNCTIONS
PREPROCESSING
PRINCIPAL COMPONENTS ANALYSIS

% PROCESSING
PUSHBROOM SENSOR MODES
RASTER SCANNING
SCIENTIFIC VISUALIZATION
SPATIAL RESOLUTION
VECTOR QUANTIZATION
WAVELET ANALYSIS

IMAGE RECONSTRUCTION
3406
RT DISPLAY DEVICES
HOLOGRAPHY
IMAGING TECHNIQUES
PATTERN REGISTRATION

IMAGE RESOLUTION
2310
GS RESOLUTION
#IMAGE RESOLUTION
RT ELECTRO-OPTICAL PHOTOGRAPHY
GEOMETRIC ACCURACY
HIGH DEFINITION TELEVISION
IMAGE ANALYSIS
IMAGERY
MATCHING
MULTISPECTRAL PHOTOGRAPHY
PATTERN REGISTRATION
SPATIAL RESOLUTION

IMAGE ROTATION
1002
RT IMAGING TECHNIQUES
ROTATION

IMAGE TRANSDUCERS
1413 2306
GS TRANSDUCERS
#IMAGE TRANSDUCERS
RT CAMERA TUBES
IMAGING TECHNIQUES
LALLEMAND CAMERAS

IMAGE TUBES
0702 0903
GS ELECTRON TUBES
#IMAGE TUBES
..THERMICONS
OPTICAL EQUIPMENT
.IMAGE CONVERTERS
.#IMAGE TUBES
...THERMICONS
RT CATHODE RAY TUBES
DISPLAY DEVICES
FLYING SPOT SCANNERS
HEAD-UP DISPLAYS
MONOSCOPES

IMAGE VELOCITY SENSORS
2308 2311
RT IMAGES
IMAGING TECHNIQUES
% SENSORS

IMAGERY
2310 3009
GS #IMAGERY
.AERIAL PHOTOGRAPHY
.ALL SKY PHOTOGRAPHY
.ASTRONOMICAL PHOTOGRAPHY
.BLACK AND WHITE PHOTOGRAPHY
.CHRONOPHOTOGRAPHY
.CINEMATOGRAPHY
.CLOUD PHOTOGRAPHY
.COLOR PHOTOGRAPHY
.ELECTRO-OPTICAL PHOTOGRAPHY
.ELECTRON PHOTOGRAPHY
.HOLOGRAPHY
..ACOUSTICAL HOLOGRAPHY
..MICROWAVE HOLOGRAPHY
..SPECKLE HOLOGRAPHY
..WHITE LIGHT HOLOGRAPHY
.INFRARED IMAGERY
.INFRARED PHOTOGRAPHY
..COLOR INFRARED PHOTOGRAPHY
.KINOFORM
.LUNAR PHOTOGRAPHY
.MICROWAVE IMAGERY
.MICROWAVE PHOTOGRAPHY
.PHOTOMICROGRAPHY
.PHOTORECONNAISSANCE
.PIXELS
.RADAR IMAGERY
.RADAR PHOTOGRAPHY
.RADIOGRAPHY
..ANGIOGRAPHY
..AUTORADIOGRAPHY
..NEUTRON RADIOGRAPHY
..TOMOGRAPHY
...COMPUTER AIDED TOMOGRAPHY
..UROGRAPHY
.REPRODUCTION (COPYING)
..XEROGRAPHY
.ROCKET-BORNE PHOTOGRAPHY
.SATELLITE IMAGERY
.SHADOWGRAPH PHOTOGRAPHY
..SCHLIEREN PHOTOGRAPHY
.SPACEBORNE PHOTOGRAPHY
..SATELLITE-BORNE PHOTOGRAPHY
.SPECTROHELIOGRAPHS
.SPECTROPHOTOGRAPHY
.STEREOSCOPY
..STEREOPHOTOGRAPHY
.ULTRAVIOLET PHOTOMETRY
.X RAY IMAGERY
RT ACOUSTO-OPTICS
APPEARANCE
ATMOSPHERIC & OCEANOGRAPHIC INFORM SYS
CHANGE DETECTION
CONTOUR SENSORS
DISPLAY DEVICES
EARTH RESOURCES
GEOGRAPHIC INFORMATION SYSTEMS
GEOMETRIC RECTIFICATION (IMAGERY)
GRAPHIC ARTS
GROUND TRUTH
IMAGE PROCESSING
IMAGE RESOLUTION
MICROWAVE SOUNDING
MULTISPECTRAL PHOTOGRAPHY
MULTISPECTRAL RADAR
PHOTOGRAPHY
RADAR SIGNATURES
SCENE ANALYSIS
SEA TRUTH
SIGNATURE ANALYSIS

IMAGES
0408 1407 2310
UF OPTICAL IMAGES
GS #IMAGES
.AFTERIMAGES
.RETINAL IMAGES
RT CONTOUR SENSORS
DISPLAY DEVICES
EVAPOROGRAPHY
HALOS
HELMET MOUNTED DISPLAYS
ILLUSIONS
IMAGE ENHANCEMENT
IMAGE VELOCITY SENSORS
% OPTICS
PERCEPTION
PHOTOGRAPHS
RASTER SCANNING
REPRESENTATIONS
SPATIAL FILTERING
VISION

IMAGING RADAR
0705
GS RADAR
#IMAGING RADAR
RT RADAR IMAGERY
REMOTE SENSORS

SIDE-LOOKING RADAR
SYNTHETIC APERTURE RADAR

IMAGING SPECTROMETERS
1406
GS MEASURING INSTRUMENTS
.SPECTROMETERS
.#IMAGING SPECTROMETERS
RT IMAGING TECHNIQUES
REMOTE SENSING
SPECTRAL REFLECTANCE
SPECTROPHOTOMETRY

IMAGING TECHNIQUES
0702 1401 1406 1407 1409 2310 2311
3501
GS #IMAGING TECHNIQUES
.ACOUSTIC IMAGING
..ACOUSTICAL HOLOGRAPHY
.RASTER SCANNING
.SPECKLE HOLOGRAPHY
RT ACOUSTIC MICROSCOPES
ACOUSTICAL HOLOGRAPHY
ADAPTIVE OPTICS
CHARGE INJECTION DEVICES
CROP IDENTIFICATION
GRAY SCALE
HIGH DEFINITION TELEVISION
HOLOGRAMMETRY
IMAGE CLASSIFICATION
IMAGE CORRELATORS
IMAGE ENHANCEMENT
IMAGE FILTERS
IMAGE INTENSIFIERS
IMAGE MOTION COMPENSATION
IMAGE PROCESSING
IMAGE RECONSTRUCTION
IMAGE ROTATION
IMAGE TRANSDUCERS
IMAGE VELOCITY SENSORS
IMAGING SPECTROMETERS
% METHODOLOGY
MICROWAVE HOLOGRAPHY
MODULATION TRANSFER FUNCTION
MULTIMEDIA
MULTISENSOR APPLICATIONS
MULTISPECTRAL BAND SCANNERS
MULTISPECTRAL PHOTOGRAPHY
MULTISPECTRAL RADAR
OPTICAL RELAY SYSTEMS
OPTICAL TRANSFER FUNCTION
% OPTICS
PARTICLE IMAGE VELOCIMETRY
PATTERN REGISTRATION
PHOTOGRAPHY
PIXELS
PRINCIPAL COMPONENTS ANALYSIS
RADAR IMAGERY
RAPID BALLISTICS IDENTIFICATION
RESOLUTION CELL
SATELLITE IMAGERY
SCENE ANALYSIS
SPATIAL RESOLUTION
STREAK PHOTOGRAPHY
SYNTHETIC APERTURES
TELEVISION SYSTEMS
ULTRASONIC SCANNERS
VEGETATIVE INDEX
X RAY IMAGERY

% IMBEDDINGS
0601 1902
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT ENCAPSULATING
IMBEDDINGS (MATHEMATICS)
INVARIANT IMBEDDINGS
% MATRICES

IMBEDDINGS (MATHEMATICS)
1902
GS GEOMETRY
.TOPOLOGY
.#IMBEDDINGS (MATHEMATICS)
...INVARIANT IMBEDDINGS
RT % IMBEDDINGS
STRANGE ATTRACTORS

IMBLMS
0404 0405 0501
SN (INTEGRATED MEDICAL AND BEHAVIORAL LABORATORY MEASUREMENT SYSTEM)
UF INTEG MED AND BEHAVIORAL LAB MEASUR SYSTEM
RT BIOINSTRUMENTATION
BIOMEDICAL DATA
MEASURING INSTRUMENTS
MEDICAL EQUIPMENT

IMCC (CONTROL CENTER)
USE INTEGRATED MISSION CONTROL CENTER

IME SATELLITE
USE INTERNATIONAL MAGNETOSPHERIC EXPLORER

IMIDES
0602
GS NITROGEN COMPOUNDS
#IMIDES
..BISMALEIMIDE
..SUCCINIMIDES
RT AMIDES

IMINES
0602
UF SCHIFF BASES
GS NITROGEN COMPOUNDS
#IMINES
RT AMINES

IMLSS
0504 0507
SN (INTEGRATED MANEUVERING AND LIFE SUPPORT SYSTEM)
UF INTEGRATED MANEUVERING LIFE SUPPORT SYS
GS SELF MANEUVERING UNITS
#IMLSS
SUPPORT SYSTEMS
.LIFE SUPPORT SYSTEMS
..PORTABLE LIFE SUPPORT SYSTEMS
..#IMLSS
RT ASTRONAUT MANEUVERING EQUIPMENT
EXTRAVEHICULAR ACTIVITY
EXTRAVEHICULAR MOBILITY UNITS
% SYSTEMS

IMMERSION
USE SUBMERGING

IMMISCIBILITY
USE SOLUBILITY

IMMITTANCE
USE ELECTRICAL IMPEDANCE

IMMOBILIZATION
0404 3401 3407
RT DAMAGE
IMPAIRMENT
% MOTION

IMMUNE SYSTEMS
0404 0405 0504
GS PHYSIOLOGICAL DEFENSES
#IMMUNE SYSTEMS
RT ACQUIRED IMMUNODEFICIENCY SYNDROME
ANTIBODIES
ANTIGENS
HUMAN IMMUNODEFICIENCY VIRUS
IMMUNITY
IMMUNOASSAY
IMMUNOLOGY

```
      LEUKOCYTES
      LYMPHOCYTES

IMMUNITY
  0404 0405 0504
  RT   IMMUNE SYSTEMS
       INFECTIOUS DISEASES
       INOCULATION
     % RESISTANCE
       TOXINS AND ANTITOXINS

IMMUNOASSAY
  0404
  UF   PLASMA RENIN ACTIVITY
  GS  #IMMUNOASSAY
       .RADIOIMMUNOASSAY
  RT   ANTIGENS
       ASSAYING
       BIOCHEMISTRY
       IMMUNE SYSTEMS
       IMMUNOLOGY
       RADIOBIOLOGY

IMMUNOLOGY
  0404 0405 0504
  GS   MEDICAL SCIENCE
       #IMMUNOLOGY
  RT   ACQUIRED IMMUNODEFICIENCY SYNDROME
       ALLERGIC DISEASES
       ANAPHYLAXIS
       ANTIBODIES
       ANTIGENS
       ANTISERUMS
       BIOCOMPATIBILITY
     % BIOLOGY
       HUMAN IMMUNODEFICIENCY VIRUS
       IMMUNE SYSTEMS
       IMMUNOASSAY
       PROPHYLAXIS
       RADIOIMMUNOASSAY
       VETERINARY MEDICINE

IMP
  3004 3107 3409
  UF   INTERPLANETARY MONITORING PLATFORM
  GS   ARTIFICIAL SATELLITES
       .LUNAR SATELLITES
       .#IMP
       .SCIENTIFIC SATELLITES
       ..EXPLORER SATELLITES
       ..#IMP
       LUNAR SPACECRAFT
       .LUNAR SATELLITES
       .#IMP

IMP-A
  USE  EXPLORER 18 SATELLITE

IMP-B
  USE  EXPLORER 21 SATELLITE

IMP-C
  USE  EXPLORER 28 SATELLITE

IMP-D
  USE  EXPLORER 33 SATELLITE

IMP-E
  USE  EXPLORER 35 SATELLITE

IMP-F
  USE  EXPLORER 34 SATELLITE

IMP-G
  USE  EXPLORER 41 SATELLITE

IMP-H
  USE  EXPLORER 47 SATELLITE

IMP-I
  USE  EXPLORER 43 SATELLITE

IMP-J
  USE  EXPLORER 50 SATELLITE

IMP-1
  USE  EXPLORER 18 SATELLITE

IMP-2
  USE  EXPLORER 21 SATELLITE

IMP-3
  USE  EXPLORER 28 SATELLITE

IMP-4
  USE  EXPLORER 34 SATELLITE

IMP-5
  USE  EXPLORER 41 SATELLITE

IMP-6
  USE  EXPLORER 43 SATELLITE

IMP-7
  USE  EXPLORER 47 SATELLITE

IMP-8
  USE  EXPLORER 50 SATELLITE

IMPACT
  2308 2403 2405 2903 3009 3105 3201
  GS  #IMPACT
       .ECONOMIC IMPACT
       .ELECTRON IMPACT
       .HYPERVELOCITY IMPACT
       .ION IMPACT
       .POINT IMPACT
       .PROTON IMPACT
  RT   DECELERATION
       HYDRODYNAMIC RAM EFFECT
       IMPINGEMENT
       MECHANICAL SHOCK
       PENETRATION
       PERCUSSION
       PRESSURE
       SHOCK ABSORBERS
       SHOCK RESISTANCE
       SHOCK WAVES
       STRESSES

IMPACT ACCELERATION
  0401 0408 0506 1108 2308 3201 3203
  3009 3501
  UF   IMPACT DECELERATION
  GS   RATES (PER TIME)
       .ACCELERATION (PHYSICS)
       .#IMPACT ACCELERATION
  RT % ACCELERATION
       DECELERATION
       MECHANICAL SHOCK
       PHYSIOLOGICAL ACCELERATION
       RAILROAD HUMPING TESTS
       SHOCK ABSORBERS

IMPACT DAMAGE
  0401 0508 2308 3005 3201 3203
  GS   DAMAGE
       #IMPACT DAMAGE
       ..METEORITIC DAMAGE
       ..RAIN IMPACT DAMAGE
  RT   CRATERING
       CRATERS
       EJECTA
       IMPACT TOLERANCES
       MARS CRATERS
       METEOROID PROTECTION
       PLANETARY CRATERS

IMPACT DECELERATION
  USE  IMPACT ACCELERATION

IMPACT FUSION
  1504
  GS   INERTIAL CONFINEMENT FUSION
       #IMPACT FUSION
```

```
  RT   FUSION REACTORS

IMPACT LOADS
  0405 2308 3201 3203
  UF   IMPACT PRESSURES
  GS   LOADS (FORCES)
       .COMPRESSION LOADS
       .#IMPACT LOADS
       .DYNAMIC LOADS
       ..TRANSIENT LOADS
       ..#IMPACT LOADS
  RT   BLAST LOADS
       CONTACT LOADS
       DYNAMIC PRESSURE
       FIBER ORIENTATION
       LANDING LOADS
       LOADING RATE
       RANDOM LOADS
       SHOCK LOADS
       STRUCTURAL DESIGN CRITERIA

IMPACT MELTS
  0602 3009
  GS   MELTS (CRYSTAL GROWTH)
       #IMPACT MELTS
  RT   CELESTIAL BODIES
       HYPERVELOCITY IMPACT
       LUNAR ROCKS
       MELTING
       METEORITES
       MINERALS
       PETROLOGY

IMPACT PREDICTION
  2308 3006 3201 4001
  UF   ARIP (IMPACT PREDICTION)
       AUTOMATIC ROCKET IMPACT PREDICTORS
  GS   PREDICTIONS
       #IMPACT PREDICTION
  RT   BALLISTIC TRAJECTORIES
       DOWNRANGE
       GUIDANCE (MOTION)
       LASER GUIDANCE
       MISSILE TRAJECTORIES
       RANGE SAFETY
       REENTRY
       TRAJECTORY ANALYSIS

IMPACT PRESSURES
  USE  IMPACT LOADS

IMPACT RESISTANCE
  3201 3203 3302
  UF   IMPACT SENSITIVITY
  GS   SENSITIVITY
       #IMPACT RESISTANCE
       SHOCK RESISTANCE
       #IMPACT RESISTANCE
  RT   CRASHWORTHINESS
       PROPELLANT SENSITIVITY
     % RESISTANCE
       TOLERANCES (PHYSIOLOGY)

IMPACT SENSITIVITY
  USE  IMPACT RESISTANCE

IMPACT STRENGTH
  3201 3203 3302
  GS   MECHANICAL PROPERTIES
       #IMPACT STRENGTH
  RT   BRITTLE MATERIALS
       BRITTLENESS
       DUCTILITY
       EARTHQUAKE RESISTANCE
       HARDNESS
       NOTCH SENSITIVITY
     % RESISTANCE
       SHEAR PROPERTIES
     % STRENGTH
       STRESS CONCENTRATION
       WAVE RESISTANCE

IMPACT TESTING MACHINES
  1108 3201 3203 3501
  RT   DROP TESTS
       FATIGUE TESTS
     % MACHINERY
     % TEST EQUIPMENT

IMPACT TESTS
  0401 0508 1108 3201 3203 3501
  GS  #IMPACT TESTS
       .CHARPY IMPACT TEST
  RT   BRITTLENESS
       COMPRESSION TESTS
       DESTRUCTIVE TESTS
       DROP TESTS
       FATIGUE TESTS
       HARDNESS TESTS
       IMPACTORS
       LOAD TESTS
     % MATERIALS TESTS
       NOTCH SENSITIVITY
       NOTCH STRENGTH
       NOTCH TESTS
       SHOCK TESTS
       STRAIN RATE
       STRESS CONCENTRATION
     % TESTS
       TOUGHNESS

IMPACT TOLERANCES
  0401 2308 3201 3203
  GS   TOLERANCES (MECHANICS)
       #IMPACT TOLERANCES
  RT   IMPACT DAMAGE

IMPACTORS
  3201 3203
  RT   CRUSHERS
       GRINDING MILLS
       HAMMERS
       IMPACT TESTS

IMPAIRMENT
  0404 3401 3407
  RT   DAMAGE
       IMMOBILIZATION
       INJURIES
       LOSSES

IMPATT DIODES
  USE  AVALANCHE DIODES

IMPEDANCE
  1001 1002 1201 1202 2301 2311
  UF   DUMMY LOADS
  GS  #IMPEDANCE
       .ACOUSTIC IMPEDANCE
       .ELECTRICAL IMPEDANCE
       ..ELECTRICAL RESISTANCE
       ...CONTACT RESISTANCE
       ...SKIN RESISTANCE
       ...TRANSCONDUCTANCE
       ..REACTANCE
       .MECHANICAL IMPEDANCE
       .RESPIRATORY IMPEDANCE
  RT   ATTENUATION COEFFICIENTS
       BANDWIDTH
       CHOKES (RESTRICTIONS)
     % CONDUCTIVITY
       CONSTRICTIONS
       DAMPING
       DIFFUSIVITY
       DYNAMIC CHARACTERISTICS
       DYNAMIC RESPONSE
       ELECTRIC COILS
       ELECTRICAL PROPERTIES
     % HYDRAULICS
       MECHANICAL PROPERTIES
     % PHYSICAL PROPERTIES
     % RESISTANCE
       RESONANT FREQUENCIES
       SMITH CHART
       TIME CONSTANT
```

TRANSIENT RESPONSE

IMPEDANCE MATCHING
0902 0904 2304
RT ANTENNA COUPLERS
COUPLERS
COUPLING CIRCUITS
DIRECTIONAL COUPLERS
ELECTRIC NETWORKS
ELECTRICAL IMPEDANCE
ITERATIVE NETWORKS
MATCHING
MODE TRANSFORMERS
TRANSFER FUNCTIONS
TRANSMISSION LINES
WAVEGUIDE TUNERS
WAVEGUIDE WINDOWS

IMPEDANCE MEASUREMENT
1406 2304 2402 3501
RT ELECTRICAL IMPEDANCE
ELECTRICAL MEASUREMENT
MECHANICAL IMPEDANCE
MISMATCH (ELECTRICAL)
RADIO FREQUENCY IMPEDANCE PROBES

IMPEDANCE PROBES
1302 1406 2304 3108 3501
GS MEASURING INSTRUMENTS
#IMPEDANCE PROBES
..RADIO FREQUENCY IMPEDANCE PROBES
RT RESONANCE PROBES

IMPELLER BLADES
USE ROTOR BLADES (TURBOMACHINERY)

IMPELLERS
0104 2805
GS ROTATING BODIES
.ROTORS
.#IMPELLERS
...PUMP IMPELLERS
RT BLOWERS
CENTRIFUGAL COMPRESSORS
CENTRIFUGAL PUMPS
COMPRESSOR ROTORS
PUMPS
ROTOR BLADES (TURBOMACHINERY)
STATORS
TURBINE WHEELS
TURBINES
TURBOMACHINE BLADES
VANES

IMPERFECTIONS
USE DEFECTS

IMPERIAL VALLEY (CA)
1305
GS VALLEYS
#IMPERIAL VALLEY (CA)
RT CALIFORNIA
DESERTS
MEXICO

IMPINGEMENT
1203 2311 3501
GS #IMPINGEMENT
.JET IMPINGEMENT
RT ABLATION
ATTENUATION
CAVITATION FLOW
CORROSION
EROSION
GAS-SOLID INTERACTIONS
IMPACT
INCIDENCE
REFLECTION
SCATTERING

IMPLANTATION
0401 0501 0602 3407
GS #IMPLANTATION
.HEART IMPLANTATION
.ION IMPLANTATION
RT GRAFTING
INJECTION
INSERTION

IMPLANTED ELECTRODES (BIOLOGY)
0405 0501
GS BIOENGINEERING
.BIOINSTRUMENTATION
.#IMPLANTED ELECTRODES (BIOLOGY)
ELECTRODES
#IMPLANTED ELECTRODES (BIOLOGY)
RT % BIOLOGY

IMPLICATION
1902 3406
RT INFERENCE

IMPLOSIONS
1506 2311
RT BURSTS
EXPLOSIONS
EXPLOSIVE DECOMPRESSION
PROPELLANT EXPLOSIONS
SHOCK WAVES

IMPREGNATING
3407
RT CHEMICAL ATTACK
COATINGS
FINISHES
INSERTION
LUBRICATION
PERMEATING
POROSITY
PRESERVING
SELF LUBRICATING MATERIALS
SELF LUBRICATION

IMPROVED TIROS OPERATIONAL SATELLITES
USE ITOS SATELLITES

IMPROVEMENT
0408 1102 3404 3406
RT CORRECTION
PUBLIC RELATIONS
UPGRADING

IMPULSE GENERATORS
0902 0905 2308
RT % GENERATORS
PULSE GENERATORS
TURBINES

IMPULSES
0410 2311
RT HIGH IMPULSE
SPECIFIC IMPULSE

IMPURITIES
0412 0601 1505 1703 1704 1805
RT CONTAMINANTS
CRYSTAL DEFECTS
DIRT
HETEROGENEITY
INCLUSIONS
POINT DEFECTS
PSEUDOPOTENTIALS
QUALITY
TRACE CONTAMINANTS
ULTRAPURE METALS
WASTES

IMS
USE INTERNATIONAL MAGNETOSPHERIC STUDY

IN SITU MEASUREMENT
RT ATMOSPHERIC COMPOSITION
ATMOSPHERIC SOUNDING
BALLOON SOUNDING
GROUND TRUTH

```
    % MEASUREMENT
      OPTICAL MEASUREMENT
      POLLUTION MONITORING
      REMOTE SENSING
      ROCKET SOUNDING
      TEMPERATURE MEASUREMENT

IN-FLIGHT MONITORING
  0501 0707 0709
  RT   CREW PROCEDURES (INFLIGHT)
       CREW PROCEDURES (PREFLIGHT)
       FLIGHT CONTROL
       FLIGHT TESTS
       MONITORS
       TELEMETRY

IN-FLIGHT STARTING
  USE  AIR START

INACTIVATION
  USE  DEACTIVATION

INCANDESCENCE
  0605 0903 1507 2306 3303
  GS   EMISSION
       .LIGHT EMISSION
       .#INCANDESCENCE
  RT   BRIGHTNESS
       COLOR
       EMISSIVITY
       ILLUMINATORS
       LIGHT (VISIBLE RADIATION)
       LUMINESCENCE
       LUMINOSITY
       LUMINOUS INTENSITY
       RADIANCE
       SPECTRAL EMISSION
       THERMAL EMISSION

INCENDIARY AMMUNITION
  3301 3302 3401
  GS   AMMUNITION
       #INCENDIARY AMMUNITION
  RT   BOMBS (ORDNANCE)
       COMBUSTION
       EXOTHERMIC REACTIONS
       GRENADES
       GUNS (ORDNANCE)
       IGNITERS
       MISSILES
       PROJECTILES
       PROPELLANTS
       PYROTECHNICS
    % ROCKETS

INCENTIVE TECHNIQUES
  3402 3404 3406
  RT   COST INCENTIVES
       COST REDUCTION
       EFFICIENCY
       MANAGEMENT
       VALUE ENGINEERING

INCENTIVES
  0408 0410 3406
  GS  #INCENTIVES
       .CONTRACT INCENTIVES
  RT   INCOME
       MANAGEMENT
       MANAGEMENT METHODS
       MOTIVATION
       PERSONNEL

INCIDENCE
  0710 1902 2301 2306 2310 3407
  GS  #INCIDENCE
       .GRAZING INCIDENCE
  RT   ANGLES (GEOMETRY)
       IMPINGEMENT

INCIDENT RADIATION
  2311 2402
  RT   BISTATIC REFLECTIVITY
       CORPUSCULAR RADIATION
       ELECTROMAGNETIC RADIATION
       OBLIQUENESS
       OPTICAL REFLECTION
       PHOTON BEAMS
    % RADIATION
       REFLECTED WAVES
       REFRACTED WAVES
       RETROREFLECTION
       SCATTERING
       STOKES LAW OF RADIATION
       WAVE INCIDENCE CONTROL

INCINERATION
  USE  INCINERATORS

INCINERATORS
  0505 1504 3301
  UF   INCINERATION
  RT   BURNERS
       FURNACES
       WASTE DISPOSAL
       WASTE ENERGY UTILIZATION

% INCLINATION
  1901 2307 3006
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   GEOMAGNETISM
       MAGNETIC EQUATOR
       ORBITS
       SLOPES
       TENDENCIES

INCLUSIONS
  1704 2601
  GS   DEFECTS
       #INCLUSIONS
  RT   CASTING
       CASTINGS
       CLATHRATES
       HETEROGENEITY
       IMPURITIES
       METALLOGRAPHY
       VOIDS

INCOHERENCE
  2311 3408
  RT   DISCONTINUITY
       NONSYNCHRONIZATION

INCOHERENT SCATTER RADAR
  0705
  GS   RADAR
       #INCOHERENT SCATTER RADAR
       ..EISCAT RADAR SYSTEM (EUROPE)
  RT   INCOHERENT SCATTERING
       RADAR SCATTERING

INCOHERENT SCATTERING
  0701 0702 2310 2403 2405
  GS   SCATTERING
       #INCOHERENT SCATTERING
  RT   COHERENT SCATTERING
       EISCAT RADAR SYSTEM (EUROPE)
       ELECTROMAGNETIC RADIATION
       ELECTROMAGNETIC WAVE TRANSMISSION
       INCOHERENT SCATTER RADAR
       NUCLEAR SCATTERING
       RADAR SCATTERING

INCOME
  3402 3406
  RT   BUDGETING
       ECONOMICS
       INCENTIVES

INCOMPATIBILITY
  0404 1306 2311 3402 3408
  RT   ABILITIES
       CORROSION
```

```
      HAZARDS
    % INTERFERENCE
      SOLUBILITY

INCOMPRESSIBILITY
  1202 3408
  RT  COMPRESSIBILITY
      FLUID MECHANICS

INCOMPRESSIBLE BOUNDARY LAYER
  0101 1201 1202
  GS  BOUNDARY LAYERS
      #INCOMPRESSIBLE BOUNDARY LAYER
  RT  LAMINAR BOUNDARY LAYER
      TURBULENT BOUNDARY LAYER

INCOMPRESSIBLE FLOW
  0101 1202
  GS  FLUID FLOW
      #INCOMPRESSIBLE FLOW
      ..STOKES FLOW
  RT  AERODYNAMICS
      BELTRAMI FLOW
      COMPRESSIBLE FLOW
      GAS FLOW
      MILNE-THOMSON METHOD
      NAVIER-STOKES EQUATION
      REYNOLDS STRESS
      STREAM FUNCTIONS (FLUIDS)
      SUBSONIC FLOW

INCOMPRESSIBLE FLUIDS
  0603 1202
  GS  #INCOMPRESSIBLE FLUIDS
      .MICROPOLAR FLUIDS
  RT  BOUSSINESQ APPROXIMATION
      CHANNEL FLOW
      COMPRESSIBLE FLUIDS
      FLUID POWER
    % FLUIDS
      IDEAL FLUIDS
      NAVIER-STOKES EQUATION
      OSEEN APPROXIMATION
      SUPERFLUIDITY

INCONEL (TRADEMARK)
  1701
  GS  ALLOYS
      .NICKEL ALLOYS
      .#INCONEL (TRADEMARK)
  RT  CHROMIUM ALLOYS
      IRON ALLOYS

INCREASING
  3407
  RT  ACCUMULATIONS
      AUGMENTATION
      GROWTH
      MAGNIFICATION
      PROMOTION
      SWELLING

INDENE
  1808
  GS  ORGANIC COMPOUNDS
      .CYCLIC COMPOUNDS
      ..CYCLIC HYDROCARBONS
      ..#INDENE
      .HYDROCARBONS
      ..CYCLIC HYDROCARBONS
      ..#INDENE

INDENTATION
  1704 3201 3203
  RT  DEFORMATION
      HARDNESS

INDEPENDENT VARIABLES
  0802 1902
  UF  ARGUMENTS (MATHEMATICS)
      PARAMETERS
  GS #INDEPENDENT VARIABLES
      .LATTICE PARAMETERS
  RT  DEPENDENT VARIABLES
      DISTRIBUTED PARAMETER SYSTEMS
      OBSERVABILITY (SYSTEMS)
      PARAMETER IDENTIFICATION
    % VARIABLE

% INDEXES
  0802 1902 3405
  SN  (USE OF A MORE SPECIFIC TERM IS
      RECOMMENDED--CONSULT THE TERMS
      LISTED BELOW)
  RT  INDEXES (DOCUMENTATION)
      INDEXES (RATIOS)
      KP INDEX
      KWIC INDEXES

INDEXES (DOCUMENTATION)
  0802 3405
  GS  CLASSIFICATIONS
      #INDEXES (DOCUMENTATION)
      ..KWIC INDEXES
      ..WISWESSER NOTATIONS
  RT  ABSTRACTS
      BIBLIOGRAPHIES
    % CATALOGS
      DOCUMENTATION
      DOCUMENTS
      HANDBOOKS
    % INDEXES
      INFORMATION DISSEMINATION
      INFORMATION RETRIEVAL
      LISTS
      LITERATURE
    % REFERENCE SYSTEMS
      SELECTIVE DISSEMINATION OF
      INFORMATION
      SKY SURVEYS (ASTRONOMY)
      SPACE GLOSSARIES
      SUMMARIES
      SUPPLEMENTS
      THESAURI

INDEXES (RATIOS)
  1902
  GS  RATIOS
      #INDEXES (RATIOS)
      ..KP INDEX
      ..LEAF AREA INDEX
      ..MORPHOLOGICAL INDEXES
  RT  EFFICIENCY
    % INDEXES
      MASS TO LIGHT RATIOS

INDIA
  1305
  GS  NATIONS
      #INDIA
  RT  ASIA
      BANGLADESH
      BHUTAN
      HIMALAYAS
      INDIAN SPACECRAFT
      ISRO
      SIKKIM

INDIAN OCEAN
  1305 1310
  GS  OCEANS
      #INDIAN OCEAN
  RT  ARABIAN SEA
      INDONESIA
      MADAGASCAR
      MAURITIUS
      MID-OCEAN RIDGES
      SEYCHELLES

INDIAN SPACE PROGRAM
  3009 3409
  GS  PROGRAMS
      .SPACE PROGRAMS
      .#INDIAN SPACE PROGRAM
  RT  COMMUNICATION SATELLITES
```

MANNED SPACE FLIGHT
% RESEARCH PROJECTS
SATELLITE DESIGN
SPACE MISSIONS
% SPACECRAFT
SPACECRAFT DESIGN
TECHNOLOGY UTILIZATION

INDIAN SPACE RESEARCH ORGANIZATION
USE ISRO

INDIAN SPACECRAFT
3110 3107
UF ARYABHATA
INSAT SATELLITES
IRS (INDIAN SPACECRAFT)
SEO (INDIAN SPACECRAFT)
RT INDIA
% SPACECRAFT

INDIANA
1305
GS NATIONS
.UNITED STATES
.#INDIANA
RT OHIO RIVER (US)
WABASH RIVER BASIN (IL-IN-OH)

INDICATING INSTRUMENTS
1402 1406 1408 3501
UF TEMPERATURE INDICATORS
GS MEASURING INSTRUMENTS
#INDICATING INSTRUMENTS
..APPROACH INDICATORS
..ASTROLABES
..ATTITUDE INDICATORS
...GYRO HORIZONS
..CLOUD HEIGHT INDICATORS
..COMPASSES
...GYROCOMPASSES
...MAGNETIC COMPASSES
...SOLAR COMPASSES
..FLOW DIRECTION INDICATORS
...WIND VANES
..POSITION INDICATORS
...PLAN POSITION INDICATORS
...RADIO DIRECTION FINDERS
...SPACECRAFT POSITION INDICATORS
..SMOKE DETECTORS
..SPEED INDICATORS
...TACHOMETERS
..WEIGHT INDICATORS
...MICROBALANCES
...STRAIN GAGE BALANCES
...THERMOBALANCES
RT AIRCRAFT INSTRUMENTS
CONTROL MOMENT GYROSCOPES
% DETECTORS
DIALS
DISPLAY DEVICES
GAS DETECTORS
HEAD-UP DISPLAYS
HELMET MOUNTED DISPLAYS
% INDICATION
% INDICATORS
INSTRUMENT RECEIVERS
% INSTRUMENTS
RADARSCOPES
RECORDING INSTRUMENTS
THERMOCOUPLES
THERMOPILES

% INDICATION
1406 1504 3407
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT EVALUATION
INDICATING INSTRUMENTS
PROBABILITY THEORY
SIGNS AND SYMPTOMS

% INDICATORS
0202 1406 1504 3501
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT AIRCRAFT GUIDANCE
CHEMICAL INDICATORS
INDICATING INSTRUMENTS
METHYLENE BLUE
RATE OF CLIMB INDICATORS

INDIUM
1703
GS CHEMICAL ELEMENTS
#INDIUM
METALS
#INDIUM

INDIUM ALLOYS
0603 1701 1804
GS ALLOYS
#INDIUM ALLOYS
RT ALUMINUM ALLOYS
GALLIUM ALLOYS
LEAD ALLOYS
TIN ALLOYS

INDIUM ANTIMONIDES
0603 1701
GS ANTIMONY COMPOUNDS
.ANTIMONIDES
.#INDIUM ANTIMONIDES
INDIUM COMPOUNDS
#INDIUM ANTIMONIDES
RT SEMICONDUCTORS (MATERIALS)

INDIUM ARSENIDES
0603 1804
GS ARSENIC COMPOUNDS
.ARSENIDES
.#INDIUM ARSENIDES
...INDIUM GALLIUM ARSENIDES
INDIUM COMPOUNDS
#INDIUM ARSENIDES
..INDIUM GALLIUM ARSENIDES
RT MODFETS

INDIUM COMPOUNDS
0603 1804
GS #INDIUM COMPOUNDS
.INDIUM ANTIMONIDES
.INDIUM ARSENIDES
..INDIUM GALLIUM ARSENIDES
.INDIUM PHOSPHATES
.INDIUM PHOSPHIDES
.INDIUM SULFIDES
.INDIUM TELLURIDES
RT % CHEMICAL COMPOUNDS
% GROUP 3A COMPOUNDS
% METAL COMPOUNDS

INDIUM GALLIUM ARSENIDES
1001 1703 1804 2602
GS ARSENIC COMPOUNDS
.ARSENIDES
..GALLIUM ARSENIDES
..#INDIUM GALLIUM ARSENIDES
..INDIUM ARSENIDES
..#INDIUM GALLIUM ARSENIDES
GALLIUM COMPOUNDS
.GALLIUM ARSENIDES
.#INDIUM GALLIUM ARSENIDES
INDIUM COMPOUNDS
.INDIUM ARSENIDES
.#INDIUM GALLIUM ARSENIDES
RT INTERMETALLICS
QUANTUM WELL LASERS
SEMICONDUCTORS (MATERIALS)

INDIUM ISOTOPES
1703 2406
GS CHEMICAL ELEMENTS
.NUCLIDES

..ISOTOPES
...RADIOACTIVE ISOTOPES
...#INDIUM ISOTOPES
METALS
#INDIUM ISOTOPES

INDIUM PHOSPHATES
0603 1804
GS INDIUM COMPOUNDS
#INDIUM PHOSPHATES
PHOSPHORUS COMPOUNDS
.PHOSPHATES
.#INDIUM PHOSPHATES

INDIUM PHOSPHIDES
0603 1804
GS INDIUM COMPOUNDS
#INDIUM PHOSPHIDES
PHOSPHORUS COMPOUNDS
.PHOSPHIDES
.#INDIUM PHOSPHIDES
RT QUANTUM WELL LASERS
TRANSFERRED ELECTRON DEVICES

INDIUM SULFIDES
0603 1804
GS CHALCOGENIDES
.SULFIDES
..INORGANIC SULFIDES
..#INDIUM SULFIDES
INDIUM COMPOUNDS
#INDIUM SULFIDES
SULFUR COMPOUNDS
.SULFIDES
..INORGANIC SULFIDES
..#INDIUM SULFIDES

INDIUM TELLURIDES
1704 1804
GS CHALCOGENIDES
.TELLURIDES
.#INDIUM TELLURIDES
INDIUM COMPOUNDS
#INDIUM TELLURIDES
TELLURIUM COMPOUNDS
.TELLURIDES
.#INDIUM TELLURIDES
RT SEMICONDUCTORS (MATERIALS)

INDIUM-TIN-OXIDE SEMICONDUCTORS
USE ITO (SEMICONDUCTORS)

INDOLES
0409 0603 1808
GS ORGANIC COMPOUNDS
.CYCLIC COMPOUNDS
..HETEROCYCLIC COMPOUNDS
...AZOLES
....PYRROLES
....#INDOLES
.....TRYPTOPHAN
RT METHOXY SYSTEMS

INDONESIA
1305
GS LANDFORMS
.ISLANDS
.#INDONESIA
NATIONS
#INDONESIA
RT INDIAN OCEAN
INDONESIAN SPACE PROGRAM
PACIFIC OCEAN

INDONESIAN SPACE PROGRAM
3409 3009
GS PROGRAMS
.SPACE PROGRAMS
.#INDONESIAN SPACE PROGRAM
RT INDONESIA
PALAPA SATELLITES
PALAPA 2 SATELLITE

INDOOR AIR POLLUTION
0411 0504
GS POLLUTION
.ENVIRONMENT POLLUTION
..AIR POLLUTION
..#INDOOR AIR POLLUTION
RT AIR QUALITY
AIR SAMPLING
BUILDINGS

INDUCED DRAG
0101 1202
GS DYNAMIC CHARACTERISTICS
.DRAG
.#INDUCED DRAG
RT AERODYNAMIC CHARACTERISTICS
AERODYNAMIC DRAG
AIRCRAFT DESIGN
DRAG REDUCTION

INDUCED FLUID FLOW
USE FLUID FLOW

INDUCTANCE
0902 2304 2402
GS ELECTRICAL PROPERTIES
#INDUCTANCE
..PROXIMITY EFFECT (ELECTRICITY)
ELECTROMAGNETIC PROPERTIES
#INDUCTANCE
..PROXIMITY EFFECT (ELECTRICITY)
RT CAPACITANCE
ELECTRICAL IMPEDANCE
LC CIRCUITS
MAGNETIC INDUCTION
MAGNETIC PROPERTIES
REACTANCE
RL CIRCUITS
TRANSFORMERS

% INDUCTION
1001 1902 2304 2307 2402
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT ARC GENERATORS
DERIVATION
INDUCTION (MATHEMATICS)
INFERENCE
INITIATION
MAGNETIC INDUCTION
NUMBER THEORY

INDUCTION (MATHEMATICS)
1902
GS NUMBER THEORY
#INDUCTION (MATHEMATICS)
RT % INDUCTION
MATHEMATICAL LOGIC

INDUCTION HEATING
0301 2402 3303 3501
GS HEATING
#INDUCTION HEATING
RT FURNACES
MAGNETIC INDUCTION
MAGNETIC PUMPING
MELTING
PLASMA HEATING
RADIO FREQUENCY HEATING
VACUUM MELTING

INDUCTION MOTORS
0303 0904 1504
GS MOTORS
.ELECTRIC MOTORS
.#INDUCTION MOTORS
RT ALTERNATING CURRENT
ARMATURES
ASYNCHRONOUS MOTORS
% ELECTRIC POWER
ELECTRIC POWER SUPPLIES

POWER FACTOR CONTROLLERS
% ROTATING ELECTRICAL MACHINES
SYNCHRONOUS MOTORS

INDUCTION SYSTEMS
USE INTAKE SYSTEMS

INDUCTORS
0903 2304
RT ARC GENERATORS
BALLASTS (IMPEDANCES)
CIRCUITS
% COILS
ELECTRIC ENERGY STORAGE
ENERGY STORAGE
MAGNET COILS
TOROIDS

INDUSTRIAL AREAS
3402 3404
RT CITIES
COMMERCE
CONSTRUCTION INDUSTRY
% FACILITIES
INDUSTRIES
LAND USE
MARKETING
MEGALOPOLISES
REGIONAL PLANNING
SHIPYARDS
SITE SELECTION
URBAN DEVELOPMENT
URBAN TRANSPORTATION

INDUSTRIAL ENERGY
0301 1103 3402 3404
RT ALLOCATIONS
COMMERCIAL ENERGY
DISTRIBUTING
DOMESTIC ENERGY
ECONOMIC FACTORS
% ENERGY
ENERGY CONSUMPTION
ENERGY CONVERSION
TRANSPORTATION ENERGY

INDUSTRIAL MANAGEMENT
1502 1505 3406 4001
UF BUSINESS MANAGEMENT
GS MANAGEMENT
#INDUSTRIAL MANAGEMENT
..ENGINEERING MANAGEMENT
..INVENTORY MANAGEMENT
...INVENTORY CONTROLS
..PERSONNEL MANAGEMENT
RT PRODUCTION MANAGEMENT
RESEARCH MANAGEMENT
SYSTEMS MANAGEMENT
TOTAL QUALITY MANAGEMENT

INDUSTRIAL PLANTS
3402 3404
UF FACTORIES
PLANTS (INDUSTRIES)
GS #INDUSTRIAL PLANTS
.FOUNDRIES
RT CONSTRUCTION INDUSTRY
% FACILITIES
PILOT PLANTS

INDUSTRIAL SAFETY
0412 0502 0602 3404 3406
GS SAFETY
#INDUSTRIAL SAFETY
RT ACCIDENTS
BENZENE POISONING
BERYLLIUM POISONING
CARBON TETRACHLORIDE POISONING
HEALTH PHYSICS
HYDROCARBON POISONING
INDUSTRIES
OCCUPATION
REACTOR SAFETY

INDUSTRIAL WASTES
0412 0602 2202 3404
GS WASTES
#INDUSTRIAL WASTES
RT INDUSTRIES
LANDFILLS
LIQUID WASTES
SOLID WASTES
WASTE DISPOSAL
WASTE UTILIZATION
WASTE WATER

INDUSTRIES
3404
GS #INDUSTRIES
.AEROSPACE INDUSTRY
..AIRCRAFT INDUSTRY
.CONSTRUCTION INDUSTRY
.DEFENSE INDUSTRY
..WEAPONS INDUSTRY
RT AIRCRAFT PRODUCTION COSTS
COMMERCE
COMMERCIAL SPACECRAFT
CONTRACT NEGOTIATION
CONTRACTORS
ECONOMIC DEVELOPMENT
ECONOMIC IMPACT
FISHING
GROSS NATIONAL PRODUCT
INDUSTRIAL AREAS
INDUSTRIAL SAFETY
INDUSTRIAL WASTES
MANUFACTURING
PERSONNEL SUBSYSTEMS
RETIREMENT
SHIPYARDS
SPACE INDUSTRIALIZATION
SPACE MANUFACTURING
TECHNOLOGIES
TECHNOLOGY ASSESSMENT
TECHNOLOGY UTILIZATION
UTILITIES

INELASTIC BODIES
USE RIGID STRUCTURES

INELASTIC COLLISIONS
2308 2405
GS COLLISIONS
#INELASTIC COLLISIONS
RT SCATTERING

INELASTIC SCATTERING
2308 2405
GS SCATTERING
#INELASTIC SCATTERING
RT COHERENT SCATTERING
COMPTON EFFECT
ELASTIC SCATTERING
ELECTRON SCATTERING
MANDELSTAM REPRESENTATION
NUCLEAR SCATTERING
QUARK PARTON MODEL

INELASTIC STRESS
1502
RT CYCLIC LOADS
MATHEMATICAL MODELS
METAL FATIGUE
STRESS ANALYSIS
STRESS-STRAIN DIAGRAMS

INEQUALITIES
1902
GS #INEQUALITIES
.SCHWARTZ INEQUALITY
RT % MATHEMATICS

INERT ATMOSPHERE
0504 1106 1108
GS CONTROLLED ATMOSPHERES

#INERT ATMOSPHERE

INERT GASES
USE RARE GASES

INERTIA
2102 2308
UF INERTIAL FORCES
GS #INERTIA
.INERTIA PRINCIPLE
..MACH INERTIA PRINCIPLE
RT % FORCE
FROUDE NUMBER
MASS
MOMENTS OF INERTIA
% MOTION
SIMILITUDE LAW

INERTIA BONDING
1501
GS BONDING
#INERTIA BONDING
RT % JOINING
METAL-METAL BONDING

INERTIA MOMENTS
USE MOMENTS OF INERTIA

INERTIA PRINCIPLE
2308 2311
GS INERTIA
#INERTIA PRINCIPLE
..MACH INERTIA PRINCIPLE
RT EQUATIONS OF MOTION
MOMENTS OF INERTIA

INERTIA WHEELS
USE COUNTER-ROTATING WHEELS
REACTION WHEELS

INERTIAL CONFINEMENT FUSION
2204
GS #INERTIAL CONFINEMENT FUSION
.IMPACT FUSION
RT STRONGLY COUPLED PLASMAS

INERTIAL COORDINATES
0802 2308
GS COORDINATES
#INERTIAL COORDINATES
RT ASTROGUIDE NAVIGATION SYSTEM
GEOCENTRIC COORDINATES
INERTIALESS STEERABLE ANTENNAS

INERTIAL FORCES
USE INERTIA

INERTIAL FUSION (REACTOR)
2204
RT % FUSION
FUSION REACTORS
ION BEAMS
LASER FUSION
LASER PLASMAS
NUCLEAR FUELS
PLASMA COMPRESSION
PULSED LASERS
RELATIVISTIC ELECTRON BEAMS

INERTIAL GUIDANCE
2102 2308
GS GUIDANCE (MOTION)
#INERTIAL GUIDANCE
..STRAPDOWN INERTIAL GUIDANCE
RT INJECTION GUIDANCE
MIDCOURSE GUIDANCE
REENTRY GUIDANCE
SATELLITE GUIDANCE
SPACECRAFT GUIDANCE
STABILIZED PLATFORMS
TERMINAL GUIDANCE

INERTIAL MEASURING UNITS
USE INERTIAL PLATFORMS

INERTIAL NAVIGATION
2102 2308
GS NAVIGATION
#INERTIAL NAVIGATION
..ASTROGUIDE NAVIGATION SYSTEM
..GIMBALLESS INERTIAL NAVIGATION
RT AIR NAVIGATION
ALL-WEATHER AIR NAVIGATION
CELESTIAL NAVIGATION
DEAD RECKONING
DIGITAL NAVIGATION
HYPERBOLIC NAVIGATION
NAVIGATION AIDS
POLAR NAVIGATION
RADAR NAVIGATION
RADIO NAVIGATION
SCHULER TUNING
SPACE NAVIGATION
STAR TRACKERS
STRAPDOWN INERTIAL GUIDANCE
SURFACE NAVIGATION

INERTIAL PLATFORMS
2102 2104 2308
UF INERTIAL MEASURING UNITS
RT GIMBALLESS INERTIAL NAVIGATION
GYROSCOPIC STABILITY
KALMAN-SCHMIDT FILTERING
NAVIGATION INSTRUMENTS
% PLATFORMS
THREE AXIS STABILIZATION

INERTIAL REFERENCE SYSTEMS
0802 2102 2308 2311
RT CELESTIAL REFERENCE SYSTEMS
% REFERENCE SYSTEMS
RELATIVITY
% SYSTEMS

INERTIAL UPPER STAGE
3105
UF INTERIM UPPER STAGE (STS)
IUS
GS INTERIM STAGES (SPACECRAFT)
#INERTIAL UPPER STAGE
RT ORBIT TRANSFER VEHICLES
RECOVERABLE SPACECRAFT
REUSABLE SPACECRAFT
SPACE SHUTTLE ORBITERS
SPACE SHUTTLES
SPACE TRANSPORTATION
SPACE TRANSPORTATION SYSTEM
SPACE TUGS
ULYSSES MISSION
UPPER STAGE ROCKET ENGINES

INERTIALESS STEERABLE ANTENNAS
0701 0705 0901 0904
GS ANTENNAS
.DIRECTIONAL ANTENNAS
..STEERABLE ANTENNAS
..#INERTIALESS STEERABLE ANTENNAS
ARRAYS
.ANTENNA ARRAYS
..STEERABLE ANTENNAS
..#INERTIALESS STEERABLE ANTENNAS
RT COMMUNICATION EQUIPMENT
INERTIAL COORDINATES

INFARCTION
0404 0405 0408
GS DISEASES
.HEART DISEASES
.#INFARCTION
...MYOCARDIAL INFARCTION
RT EMBOLISMS
THROMBOSIS
TISSUES (BIOLOGY)

INFECTIONS

```
  USE  INFECTIOUS DISEASES

INFECTIOUS DISEASES
  0405
  UF   INFECTIONS
  GS   DISEASES
       #INFECTIOUS DISEASES
       ..AIRBORNE INFECTION
       ..BACTERIAL DISEASES
       ...CHOLERA
       ...DIPHTHERIA
       ...SYPHILIS
       ...TUBERCULOSIS
       ...TYPHOID
       ...TYPHUS
       ..CONJUNCTIVITIS
       ..DERMATITIS
       ...CONTACT DERMATITIS
       ..FUNGAL DISEASES
       ..HEPATITIS
       ..MENINGITIS
       ..PARASITIC DISEASES
       ..VIRAL DISEASES
       ...ACQUIRED IMMUNODEFICIENCY
          SYNDROME
       ...INFLUENZA
       ...POLIOMYELITIS
       ...SMALLPOX
  RT   ANTISEPTICS
       ASPERGILLUS
     % BLISTERS
       EPIDEMIOLOGY
       IMMUNITY
       LEUKOPENIA

INFERENCE
  1902 3406
  RT   ASSUMPTIONS
       DEDUCTION
       HYPOTHESES
       IMPLICATION
     % INDUCTION

INFESTATION
  0402 0404 0409
  UF   INSECT DAMAGE
  RT   BEETLES
       BOLL WEEVILS
       BOLLWORMS
       CHIRONOMUS FLIES
       FLATWORMS
       INSECTS
       LARVAE
       LOCUSTS
       MOTHS
       PARASITES
       PLANTS (BOTANY)
       SILKWORMS
       WORMS

INFILTRATION
  3401 3403
  GS   #INFILTRATION
       .CHEMICAL VAPOR INFILTRATION
  RT   AIR CONDITIONING
       PERMEABILITY
       POROSITY
       VOIDS
       WARFARE

INFINITE SPAN WINGS
  0101 0102 0103 0104
  GS   AIRFOILS
       .THIN AIRFOILS
       ..THIN WINGS
       ..#INFINITE SPAN WINGS
       .WINGS
       ..SLENDER WINGS
       ..#INFINITE SPAN WINGS
       ..THIN WINGS
       ..#INFINITE SPAN WINGS
       ..UNSWEPT WINGS
       ..#INFINITE SPAN WINGS
       PLANFORMS
       .WING PLANFORMS
       .#INFINITE SPAN WINGS
  RT   FLEXIBLE WINGS

INFINITY
  1902
  RT   FUNCTIONS (MATHEMATICS)
       GEOMETRY
       NUMBER THEORY
       PROBABILITY THEORY
       REAL VARIABLES
       SERIES (MATHEMATICS)

INFLATABLE DEVICES
  USE  INFLATABLE STRUCTURES

INFLATABLE GLIDERS
  0205
  GS   EXPANDABLE STRUCTURES
       .INFLATABLE STRUCTURES
       .#INFLATABLE GLIDERS
       GLIDERS
       .PARAGLIDERS
       .#INFLATABLE GLIDERS
  RT % AIRCRAFT

INFLATABLE SPACECRAFT
  0205 3110
  GS   EXPANDABLE STRUCTURES
       .INFLATABLE STRUCTURES
       .#INFLATABLE SPACECRAFT
       ...BEACON SATELLITES
       ....BEACON EXPLORER A
       ....EXPLORER 22 SATELLITE
       SPACE ERECTABLE STRUCTURES
       #INFLATABLE SPACECRAFT
       ..BEACON SATELLITES
       ...BEACON EXPLORER A
       ...EXPLORER 22 SATELLITE
  RT   ARTIFICIAL SATELLITES
       ORBITAL ASSEMBLY
       SELF ERECTING DEVICES
     % SPACECRAFT
       UNMANNED SPACECRAFT

INFLATABLE STRUCTURES
  0205 3202
  UF   DEFLATING
       INFLATABLE DEVICES
  GS   EXPANDABLE STRUCTURES
       #INFLATABLE STRUCTURES
       ..AIR BAG RESTRAINT DEVICES
       ..BALLOONS
       ...HIGH ALTITUDE BALLOONS
       ....JIMSPHERE BALLOONS
       ....SKYHOOK BALLOONS
       ....SUPERPRESSURE BALLOONS
       ...METEOROLOGICAL BALLOONS
       ....JIMSPHERE BALLOONS
       ....ROBIN BALLOONS
       ...MICROBALLOONS
       ...TETHERED BALLOONS
       ..BALLUTES
       ..GAS BAGS
       ..INFLATABLE GLIDERS
       ..INFLATABLE SPACECRAFT
       ...BEACON SATELLITES
       ....BEACON EXPLORER A
       ....EXPLORER 22 SATELLITE
       ..PARAVULCOONS
  RT   AIRSHIPS
       BOATS
       BUILDINGS
       FLEXIBLE BODIES
       FLEXIBLE WINGS
       FLOATS
       FOLDING STRUCTURES
       INFLATING
       LIFE RAFTS
       LUNAR SHELTERS
       PNEUMATIC EQUIPMENT
```

PRESSURE SUITS
RADOMES
SELF ERECTING DEVICES
SPACE ERECTABLE STRUCTURES
SPACE STATIONS
% STRUCTURES
TIRES
VARIABLE GEOMETRY STRUCTURES

INFLATING
0205 1203 1504 3202 3402 3407 3501
SN (EXCLUDES ECONOMIC INFLATION)
RT EXPANSION
GAS INJECTION
GROWTH
INFLATABLE STRUCTURES
PRESSURE REDUCTION
PRESSURIZING
SWELLING

INFLECTION POINTS
1902
GS GEOMETRY
.EUCLIDEAN GEOMETRY
..POINTS (MATHEMATICS)
..#INFLECTION POINTS
RT CURVES (GEOMETRY)
FUNCTIONS (MATHEMATICS)
LINE SHAPE
REAL VARIABLES

INFLUENCE COEFFICIENT
0201 2311 3203
GS COEFFICIENTS
#INFLUENCE COEFFICIENT
..STRUCTURAL INFLUENCE COEFFICIENTS
RT AEROELASTICITY
DISCHARGE COEFFICIENT
ELASTIC PROPERTIES
FLUTTER
FORCE DISTRIBUTION
% HYDRAULICS
MOMENT DISTRIBUTION
NOZZLE THRUST COEFFICIENTS
PLASTIC PROPERTIES
PRESSURE DISTRIBUTION
STRESS ANALYSIS
STRUCTURAL ANALYSIS

INFLUENZA
0405 0408
GS DISEASES
.INFECTIOUS DISEASES
..VIRAL DISEASES
..#INFLUENZA
.RESPIRATORY DISEASES
.#INFLUENZA

INFORMATION
0703 0802 3405
RT ANNOTATIONS
AUDIO TAPES
COMMUNICATING
COMMUNICATION
% DATA
DOCUMENTATION
MATHEMATICAL TABLES
NEWS MEDIA
PRESENTATION
PRIVACY
REPORTS
VIDEO TAPES

INFORMATION ADAPTIVE SYSTEM
3405
GS INFORMATION SYSTEMS
#INFORMATION ADAPTIVE SYSTEM
RT COMMUNICATION EQUIPMENT
% SYSTEMS

INFORMATION DISSEMINATION
0703 0803 3405
GS COMMUNICATING
#INFORMATION DISSEMINATION
..MESSAGES
..SELECTIVE DISSEMINATION OF INFORMATION
RT BIBLIOGRAPHIES
CATALOGS (PUBLICATIONS)
DOCUMENTATION
EXTRATERRESTRIAL COMMUNICATION
INDEXES (DOCUMENTATION)
INFORMATION TRANSFER
INTEGRATED LIBRARY SYSTEMS
LIBRARIES
PRIVACY
REPORTS
SUMMARIES

INFORMATION FLOW
0802 3405 3406
RT AEROSPACE TECHNOLOGY TRANSFER
COMMUNICATING
COMMUNICATION
% FLOW
INFORMATION TRANSFER
MANAGEMENT
MESSAGE PROCESSING
SELECTIVE DISSEMINATION OF INFORMATION
TECHNOLOGY TRANSFER

INFORMATION MANAGEMENT
3405 3406
GS MANAGEMENT
#INFORMATION MANAGEMENT
..RECORDS MANAGEMENT
RT COMMUNICATING
COMMUNICATION
DATA BASE MANAGEMENT SYSTEMS
DATA RETRIEVAL
DATA STORAGE
INFORMATION TRANSFER
INTEGRATED LIBRARY SYSTEMS
TECHNOLOGY TRANSFER

INFORMATION PROCESSING (BIOLOGY)
0410 0503 0506 0804 1902
RT ARTIFICIAL INTELLIGENCE
BIOELECTRICITY
BRAIN
COGNITION
COGNITIVE PSYCHOLOGY
ELECTROPHYSIOLOGY
HUMAN PERFORMANCE
NEUROPHYSIOLOGY
PERCEPTION
PSYCHOPHYSIOLOGY

INFORMATION RETRIEVAL
0802 0803 3405 0703
GS RETRIEVAL
#INFORMATION RETRIEVAL
RT ABSTRACTS
BIBLIOGRAPHIES
CD-ROM
COMMAND LANGUAGES
COMPUTERS
DATA PROCESSING
DATA RETRIEVAL
DOCUMENTATION
DOCUMENTS
INDEXES (DOCUMENTATION)
INFORMATION TRANSFER
INTEGRATED LIBRARY SYSTEMS
INTERSERVICE DATA EXCHANGE PROGRAM
LIBRARIES
MANAGEMENT INFORMATION SYSTEMS
NUMERICAL DATA BASES
ON-LINE SYSTEMS
QUERY LANGUAGES
SEARCH PROFILES
SELECTIVE DISSEMINATION OF INFORMATION
SPACE GLOSSARIES

```
        STARSITE PROGRAM
        SUBJECTS
        THESAURI

INFORMATION SYSTEMS
  0703 0803 3405 3406
  GS  #INFORMATION SYSTEMS
       .ATMOSPHERIC & OCEANOGRAPHIC
        INFORM SYS
       .EARTH RESOURCES INFORMATION SYSTEM
       .GEOGRAPHIC INFORMATION SYSTEMS
       .INFORMATION ADAPTIVE SYSTEM
       .INTEGRATED LIBRARY SYSTEMS
       .MANAGEMENT INFORMATION SYSTEMS
       .NUMERICAL DATA BASES
  RT   CD-ROM
       EARTH OBSERVING SYSTEM (EOS)
       INFORMATION TRANSFER
       LIBRARIES
       MANAGEMENT SYSTEMS
       MULTIMEDIA
       ON-LINE SYSTEMS
       RECORDS MANAGEMENT
       SELECTIVE DISSEMINATION OF
       INFORMATION
     % SYSTEMS
       SYSTEMS MANAGEMENT

INFORMATION THEORY
  0802 3405 0703 4001
  UF   SHANNON INFORMATION THEORY
  RT % APPLICATIONS OF MATHEMATICS
       AUTOMATA THEORY
     % AUTOMATION
       BCH CODES
       CODING
       COMBINATORIAL ANALYSIS
       COMMUNICATION THEORY
       COMPUTERS
       CORRECTION
       CORRELATION
       CRYPTOGRAPHY
       CYBERNETICS
       DATA PROCESSING
       DATA TRANSMISSION
       DECISION THEORY
       ERGODIC PROCESS
       ERROR DETECTION CODES
       FOURIER ANALYSIS
       GAME THEORY
     % LOGIC
       MACHINE TRANSLATION
       MANAGEMENT INFORMATION SYSTEMS
     % MATHEMATICS
       MAXIMUM ENTROPY METHOD
       MESSAGES
     % NOISE
       OPERATIONS RESEARCH
       PARITY
       PETRI NETS
       PHASE SHIFT KEYING
       PROBABILITY THEORY
       RANDOM PROCESSES
       REDUNDANCY
       SHANNON-WIENER MEASURE
       STATISTICAL ANALYSIS
     % STATISTICS
       STOCHASTIC PROCESSES
       SYSTEMS ENGINEERING
       TELECOMMUNICATION
       TERMS
     % THEORIES

INFORMATION TRANSFER
  0708
  RT   INFORMATION DISSEMINATION
       INFORMATION FLOW
       INFORMATION MANAGEMENT
       INFORMATION RETRIEVAL
       INFORMATION SYSTEMS
       INTERNATIONAL COOPERATION
       TECHNOLOGY TRANSFER
       TECHNOLOGY UTILIZATION

INFORMATION TRANSMISSION
  USE  DATA TRANSMISSION

INFRARED ABSORPTION
  2306
  GS   ENERGY ABSORPTION
       .RADIATION ABSORPTION
       ..ELECTROMAGNETIC ABSORPTION
       ..#INFRARED ABSORPTION
  RT % ABSORPTION
       ATMOSPHERIC ATTENUATION
       ATMOSPHERIC OPTICS
       INFRARED RADIATION
       LIGHT SCATTERING
       OPTICAL PROPERTIES
       THERMAL EMISSION
       TRANSMITTANCE
       WAVE ATTENUATION

INFRARED ASTRONOMY
  0903 1404 1411 3001
  GS   ASTRONOMY
       #INFRARED ASTRONOMY
  RT   ASTRONOMICAL PHOTOGRAPHY
       BLAZARS
       INFRARED ASTRONOMY SATELLITE
       INFRARED CIRRUS (ASTRONOMY)
       INFRARED PHOTOMETRY
       INFRARED SOURCES (ASTRONOMY)
       INFRARED SPACE OBSERVATORY (ISO)
       KUIPER AIRBORNE OBSERVATORY
       LARGE DEPLOYABLE REFLECTOR
       SPACE INFRARED TELESCOPE FACILITY

INFRARED ASTRONOMY SATELLITE
  2903 3009
  UF   IRAS
  GS   OBSERVATORIES
       .ASTRONOMICAL OBSERVATORIES
       ..ASTRONOMICAL SATELLITES
       ..#INFRARED ASTRONOMY SATELLITE
  RT   GEOSYNCHRONOUS ORBITS
       INFRARED ASTRONOMY
       INFRARED SOURCES (ASTRONOMY)
       IRAS-ARAKI-ALCOCK COMET
       NETHERLANDS SPACE PROGRAM
       UK SATELLITES

INFRARED CIRRUS (ASTRONOMY)
  3001 3002
  RT % CLOUDS
       COSMIC DUST
       GALACTIC RADIATION
       INFRARED ASTRONOMY
       INFRARED RADIATION
       INFRARED SOURCES (ASTRONOMY)
       INTERSTELLAR MATTER
       MOLECULAR CLOUDS

INFRARED DETECTORS
  1404 1406 1409 2402 3501
  GS   MEASURING INSTRUMENTS
       .RADIATION MEASURING INSTRUMENTS
       ..ACTINOMETERS
       ...RADIOMETERS
       ...#INFRARED DETECTORS
       .....INFRARED RADIOMETERS
       ..INFRARED INSTRUMENTS
       ..#INFRARED DETECTORS
       ....FLIR DETECTORS
       ....INFRARED RADIOMETERS
  RT   BOLOMETERS
     % DETECTORS
       ELECTROMAGNETIC MEASUREMENT
       FOCAL PLANE DEVICES
       FOREST FIRE DETECTION
       INFRARED SIGNATURES
       MERCURY CADMIUM TELLURIDES
       X RAY DETECTORS

INFRARED FILTERS
```

1404 1802
GS ELECTROMAGNETIC WAVE FILTERS
.OPTICAL FILTERS
.#INFRARED FILTERS
RT ELECTRIC FILTERS
ULTRAVIOLET FILTERS

INFRARED HORIZON SCANNERS
USE HORIZON SCANNERS
INFRARED SCANNERS

INFRARED IMAGERY
1404 1407 3501
GS IMAGERY
#INFRARED IMAGERY
PHOTOGRAPHY
#INFRARED IMAGERY
RT COLOR INFRARED PHOTOGRAPHY
LUNAR EQUATOR
THERMOGRAPHY
X RAY IMAGERY

INFRARED INSPECTION
0602 1404
GS INSPECTION
#INFRARED INSPECTION
RT NONDESTRUCTIVE TESTS
QUALITY CONTROL

INFRARED INSTRUMENTS
1404 1406 3501
GS MEASURING INSTRUMENTS
.RADIATION MEASURING INSTRUMENTS
.#INFRARED INSTRUMENTS
...INFRARED DETECTORS
....FLIR DETECTORS
....INFRARED RADIOMETERS
...INFRARED SCANNERS
...INFRARED SPECTROMETERS
...INFRARED SPECTROPHOTOMETERS
RT ADVANCED VERY HIGH RESOLUTION
RADIOMETER
FOREST FIRE DETECTION

INFRARED INTERFEROMETERS
1405 1406 3501
GS MEASURING INSTRUMENTS
.INTERFEROMETERS
.#INFRARED INTERFEROMETERS
RT ASTRONOMICAL INTERFEROMETRY
INTERFEROMETRY
OPTICAL EQUIPMENT
OPTICAL MEASUREMENT
OPTICAL MEASURING INSTRUMENTS
SPECKLE INTERFEROMETRY

INFRARED LASERS
1404 1601
UF INFRARED MASERS
IR LASERS
IRASERS
GS STIMULATED EMISSION DEVICES
.LASERS
.#INFRARED LASERS
RT ARGON LASERS
CARBON DIOXIDE LASERS
CARBON LASERS
CARBON MONOXIDE LASERS
CHEMICAL LASERS
DYE LASERS
GAS LASERS
HF LASERS
LIQUID LASERS
ORGANIC LASERS
SOLID STATE LASERS
WAVEGUIDE LASERS
YLF LASERS

INFRARED MASERS
USE INFRARED LASERS

INFRARED PHOTOGRAPHY
1401 1404 1407 2003 2004 2903 3501
GS IMAGERY
#INFRARED PHOTOGRAPHY
..COLOR INFRARED PHOTOGRAPHY
PHOTOGRAPHY
.MULTISPECTRAL PHOTOGRAPHY
.#INFRARED PHOTOGRAPHY
...COLOR INFRARED PHOTOGRAPHY
RT AERIAL PHOTOGRAPHY
ASTRONOMICAL PHOTOGRAPHY
BLACK AND WHITE PHOTOGRAPHY
CINEMATOGRAPHY
FAINT OBJECT CAMERA
FOREST FIRE DETECTION
GEOGRAPHIC INFORMATION SYSTEMS
ICE MAPPING
LUNAR PHOTOGRAPHY
METEOROLOGICAL SATELLITES
METEOSAT SATELLITE
MULTISPECTRAL BAND CAMERAS
NIMBUS SATELLITES
RADIOMETERS
SATELLITE-BORNE PHOTOGRAPHY
TIMBER INVENTORY
ULTRAVIOLET PHOTOGRAPHY

INFRARED PHOTOMETRY
1401 3009 3501
GS OPTICAL MEASUREMENT
.PHOTOMETRY
.#INFRARED PHOTOMETRY
RT ASTRONOMICAL PHOTOMETRY
INFRARED ASTRONOMY
INFRARED SPECTRA
NEAR INFRARED RADIATION
STELLAR SPECTROPHOTOMETRY

INFRARED RADAR
0705
GS RADAR
#INFRARED RADAR
RT FLIR DETECTORS
RADAR IMAGERY

INFRARED RADIATION
1404 2311 2402 2903
GS ELECTROMAGNETIC RADIATION
#INFRARED RADIATION
..FAR INFRARED RADIATION
..NEAR INFRARED RADIATION
RT BEAMS (RADIATION)
BLACK BODY RADIATION
COHERENT ELECTROMAGNETIC RADIATION
ENERGY ABSORPTION
EVAPOROGRAPHY
EXHAUST EMISSION
HEAT
INFRARED ABSORPTION
INFRARED CIRRUS (ASTRONOMY)
INFRARED SIGNATURES
INFRARED SOURCES (ASTRONOMY)
LIGHT (VISIBLE RADIATION)
MICROWAVES
MONOCHROMATIC RADIATION
PLANETARY RADIATION
POLARIZED ELECTROMAGNETIC RADIATION
% RADIATION
SEYFERT GALAXIES
SOLAR RADIATION
SUNLIGHT
TERRESTRIAL RADIATION
THERMAL RADIATION
WAVELENGTHS
XENON LAMPS

INFRARED RADIOMETERS
1404 1406 2402 2903 3501
GS MEASURING INSTRUMENTS
.RADIATION MEASURING INSTRUMENTS
..ACTINOMETERS
...RADIOMETERS
....INFRARED DETECTORS
....#INFRARED RADIOMETERS

..INFRARED INSTRUMENTS
...INFRARED DETECTORS
...#INFRARED RADIOMETERS
RT AERIAL RECONNAISSANCE
ATMOSPHERIC CORRECTION
DATA ACQUISITION
EARTH RESOURCES PROGRAM
ENVIRONMENTAL MONITORING
FOREST FIRE DETECTION
PRESSURE MODULATOR RADIOMETERS
RADIOMETRIC CORRECTION
SATELLITE-BORNE INSTRUMENTS
THERMAL MAPPING
VISIBLE INFRARED SPIN SCAN
RADIOMETER

INFRARED REFLECTION
1802 2402
GS REFLECTION
#INFRARED REFLECTION
RT OPTICAL REFLECTION
RADIATIVE HEAT TRANSFER
RADIO ECHOES
SPREAD REFLECTION
ULTRAVIOLET REFLECTION

INFRARED SCANNERS
1404 2402
UF INFRARED HORIZON SCANNERS
GS MEASURING INSTRUMENTS
.RADIATION MEASURING INSTRUMENTS
..ACTINOMETERS
...RADIOMETERS
...#INFRARED SCANNERS
..INFRARED INSTRUMENTS
..#INFRARED SCANNERS
SCANNERS
#INFRARED SCANNERS
RT FOREST FIRE DETECTION
HORIZON SCANNERS
MULTISPECTRAL BAND SCANNERS
OPTICAL EQUIPMENT
SCANNER PROJECT
THERMAL MAPPING

INFRARED SIGNATURES
0705
GS SIGNATURES
#INFRARED SIGNATURES
RT INFRARED DETECTORS
INFRARED RADIATION
INFRARED SPECTRA
SIGNATURE ANALYSIS

INFRARED SOURCES (ASTRONOMY)
3001 3002
GS CELESTIAL BODIES
#INFRARED SOURCES (ASTRONOMY)
..INFRARED STARS
RT ASTRONOMY
HERBIG-HARO OBJECTS
INFRARED ASTRONOMY
INFRARED ASTRONOMY SATELLITE
INFRARED CIRRUS (ASTRONOMY)
INFRARED RADIATION

INFRARED SPACE OBSERVATORY (ISO)
1901 2903
GS ARTIFICIAL SATELLITES
.ESA SATELLITES
.#INFRARED SPACE OBSERVATORY (ISO)
ESA SPACECRAFT
.ESA SATELLITES
.#INFRARED SPACE OBSERVATORY (ISO)
OBSERVATORIES
.ASTRONOMICAL OBSERVATORIES
..ASTRONOMICAL SATELLITES
..#INFRARED SPACE OBSERVATORY (ISO)
TELESCOPES
.SPACEBORNE TELESCOPES
.#INFRARED SPACE OBSERVATORY (ISO)
RT EUROPEAN SPACE PROGRAMS
INFRARED ASTRONOMY
SPACEBORNE ASTRONOMY

INFRARED SPECTRA
2311 2402 2903
GS SPECTRA
.RADIATION SPECTRA
..ELECTROMAGNETIC SPECTRA
..#INFRARED SPECTRA
RT % ABSORPTION
EMISSION SPECTRA
INFRARED PHOTOMETRY
INFRARED SIGNATURES
LINE SPECTRA
MICROWAVE SPECTRA
MOLECULAR SPECTRA
SOLAR SPECTRA
STELLAR SPECTRA

INFRARED SPECTROMETERS
1404 1406 2903 3501
GS MEASURING INSTRUMENTS
.OPTICAL MEASURING INSTRUMENTS
.#INFRARED SPECTROMETERS
...FILTER WHEEL INFRARED SPECTROMETERS
.RADIATION MEASURING INSTRUMENTS
..ACTINOMETERS
..#INFRARED SPECTROMETERS
..INFRARED INSTRUMENTS
..#INFRARED SPECTROMETERS
.SPECTROMETERS
.#INFRARED SPECTROMETERS
...FILTER WHEEL INFRARED SPECTROMETERS
OPTICAL EQUIPMENT
.OPTICAL MEASURING INSTRUMENTS
.#INFRARED SPECTROMETERS
...FILTER WHEEL INFRARED SPECTROMETERS
RT EBERT SPECTROMETERS
SOLAR SPECTROMETERS

INFRARED SPECTROPHOTOMETERS
1404 1407 1411
GS MEASURING INSTRUMENTS
.OPTICAL MEASURING INSTRUMENTS
..SPECTROPHOTOMETERS
..#INFRARED SPECTROPHOTOMETERS
.RADIATION MEASURING INSTRUMENTS
..ACTINOMETERS
...SPECTROPHOTOMETERS
...#INFRARED SPECTROPHOTOMETERS
..INFRARED INSTRUMENTS
..#INFRARED SPECTROPHOTOMETERS
OPTICAL EQUIPMENT
.OPTICAL MEASURING INSTRUMENTS
..SPECTROPHOTOMETERS
..#INFRARED SPECTROPHOTOMETERS
RT CHEMICAL ANALYSIS
FILTER WHEEL INFRARED SPECTROMETERS
PHOTOMETERS

INFRARED SPECTROSCOPY
1404 1411 2003 2402 2903
GS SPECTROSCOPY
#INFRARED SPECTROSCOPY
RT ABSORPTION SPECTROSCOPY
ASTRONOMICAL SPECTROSCOPY
CHEMICAL ANALYSIS
ELECTRON SPECTROSCOPY
LASER SPECTROMETERS
MOLECULAR SPECTROSCOPY
MOLECULAR STRUCTURE
OPTOGALVANIC SPECTROSCOPY
RAMAN SPECTROSCOPY
SPECTROMETERS
SPECTROSCOPIC ANALYSIS
SULFUR HEXAFLUORIDE
VACUUM SPECTROSCOPY

INFRARED STARS
3001 3002 3009

```
  GS   CELESTIAL BODIES
       .INFRARED SOURCES (ASTRONOMY)
       .#INFRARED STARS
       .STARS
       .#INFRARED STARS
  RT   HERBIG-HARO OBJECTS

INFRARED SUPPRESSION
  0501 0502
  RT   AFTERBURNING
       AIRCRAFT DETECTION
       AIRCRAFT ENGINES
       COOLING SYSTEMS
       EXHAUST GASES
       EXHAUST NOZZLES
       HEAT SHIELDING
       JET ENGINES
       JET EXHAUST
       REACTION PRODUCTS
       SUPPRESSORS
       TEMPERATURE CONTROL

INFRARED TELESCOPES
  1412 3001 2903 3001
  GS   TELESCOPES
       #INFRARED TELESCOPES
       ..LARGE DEPLOYABLE REFLECTOR
       ..SPACE INFRARED TELESCOPE FACILITY
  RT   ASTRONOMY
       ASTROPLANE

INFRARED TRACKING
  0709 1109 1404 2102
  GS   TRACKING (POSITION)
       #INFRARED TRACKING
  RT   ANTIMISSILE MISSILES
       COMPENSATORY TRACKING
       HOMING DEVICES
       MISSILE TRACKING
       OPTICAL TRACKING
       PURSUIT TRACKING
       RADIOMETERS

INFRARED WINDOWS
  0705
  RT   APERTURES
       LASERS
       OPTICAL MATERIALS
     % WINDOWS

INFRASONIC FREQUENCIES
  0710 2311
  GS   FREQUENCIES
       #INFRASONIC FREQUENCIES
  RT   ACOUSTICS

% INGESTION
  0404 0405 0411 0506
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW.
  RT   INGESTION (BIOLOGY)
       INGESTION (ENGINES)

INGESTION (BIOLOGY)
  0404 0405 0411 0506
  GS  #INGESTION (BIOLOGY)
       .DRINKING
       .EATING
       .GRAZING
  RT % INGESTION
       SWALLOWING

INGESTION (ENGINES)
  2801
  RT   ENGINE FAILURE
     % INGESTION

INGOTS
  1704 3404
  GS   CASTINGS
       #INGOTS
  RT   BILLETS
       CASTING
       MOLDS
       SOLIDIFICATION

INGREDIENTS
  0603 1703 1704 1805
  RT   ADMIXTURES
     % COMPONENTS
     % COMPOSITION
       CONTENT
       FORMULATIONS
       MIXTURES

INGRESS (SPACECRAFT PASSAGEWAY)
  1104 3110 3407
  RT   AIR LOCKS
       DOORS
       EGRESS
       HATCHES
       OPENINGS

INHABITANTS
  0404 0504 0507 3402 3406
  GS   COMMUNITIES
       #INHABITANTS
       ..MOUNTAIN INHABITANTS
  RT   ABORIGINES
       CITIES
       DEMOGRAPHY
       PERSONNEL
       RESIDENTIAL AREAS

INHALATION
  USE  RESPIRATION

% INHIBITION
  0408 0410
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   ATTENUATION
       CORROSION PREVENTION
       DETACHMENT
       DISABILITIES
       DITHERS
       FRUSTRATION
       INHIBITION (PSYCHOLOGY)
       INHIBITORS
       INTROVERSION
       LETHARGY
       PASSIVITY
       PREVENTION
     % REDUCTION
       STOPPING

INHIBITION (PSYCHOLOGY)
  0408 0410
  RT   CONDITIONING (LEARNING)
     % INHIBITION

INHIBITORS
  0602 2702
  GS  #INHIBITORS
       .WEAR INHIBITORS
  RT   ADDITIVES
       ANTIDOTES
       ANTIFOULING
       ANTIICING ADDITIVES
       ANTIOXIDANTS
       CASE BONDED PROPELLANTS
       CATALYSTS
       COATINGS
       CORROSION PREVENTION
     % INHIBITION
       NEUTRALIZERS
       PACKAGING
       PASSIVITY
       PROPELLANT ADDITIVES
       PROPELLANT DECOMPOSITION
       PROPELLANT STORABILITY
       RETARDANTS
       SILENCERS
```

SOLID PROPELLANT IGNITION
SOLID PROPELLANTS
SUPPRESSORS

INHOMOGENEITY
3408
UF NONHOMOGENEITY
RT DEFECTS
HETEROGENEITY
NONUNIFORMITY

INHOUR EQUATION
2202 2203 2204 2405
RT % EQUATIONS
NUCLEAR REACTIONS
NUCLEAR REACTORS
REACTIVITY
REACTOR PHYSICS

INITIAL VALUE PROBLEMS
USE BOUNDARY VALUE PROBLEMS

INITIATION
0404 1504 2311 3301 3302 3406 3407
RT ACTIVATION
ACTUATION
DETONATION
% GENERATION
% INDUCTION
INOCULATION
NUCLEATION
% PRIMING
REACTOR STARTUP TESTS
STARTING
STIMULATION

% INITIATORS
3302
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT CATALYSTS
INITIATORS (EXPLOSIVES)
STYPHNATES

INITIATORS (EXPLOSIVES)
0604 3302 3401
UF ELECTROEXPLOSIVE DEVICES
GS EXPLOSIVE DEVICES
#INITIATORS (EXPLOSIVES)
..BOOSTERS (EXPLOSIVES)
..CAPS (EXPLOSIVES)
..DETONATORS
..EXPLODING WIRES
..PRIMERS (EXPLOSIVES)
IGNITERS
#INITIATORS (EXPLOSIVES)
..BOOSTERS (EXPLOSIVES)
..CAPS (EXPLOSIVES)
..DETONATORS
..EXPLODING WIRES
..PRIMERS (EXPLOSIVES)
RT FUSES (ORDNANCE)
% INITIATORS
PYROTECHNICS
STYPHNATES

INJECTION
0401 0405 1504 2801 2808 3102 3407
GS #INJECTION
.CARRIER INJECTION
.FLUID INJECTION
..GAS INJECTION
..LIQUID INJECTION
...DEEP WELL INJECTION (WASTES)
...WATER INJECTION
.FUEL INJECTION
.ION INJECTION
.SECONDARY INJECTION
.TRANSEARTH INJECTION
.TRANSLUNAR INJECTION
RT BARRITT DIODES
BLOWING
BOUNDARY LAYER SEPARATION
% CHARGING
FEEDING (SUPPLYING)
FILLING
FLUID FLOW
IMPLANTATION
INJECTORS
INPUT
PERFORATING
SUPPLYING

INJECTION CARBURETORS
USE CARBURETORS
FUEL INJECTION

INJECTION GUIDANCE
2102
GS GUIDANCE (MOTION)
#INJECTION GUIDANCE
RT ASCENT TRAJECTORIES
CELESTIAL NAVIGATION
COMMAND GUIDANCE
INERTIAL GUIDANCE
MIDCOURSE GUIDANCE
RENDEZVOUS GUIDANCE
SATELLITE GUIDANCE
SPACECRAFT GUIDANCE
TRANSEARTH INJECTION
TRANSLUNAR INJECTION

INJECTION LASERS
1601
GS STIMULATED EMISSION DEVICES
.LASERS
.#INJECTION LASERS
RT ALUMINUM GALLIUM ARSENIDE LASERS
GALLIUM ARSENIDE LASERS
GALLIUM ARSENIDES
INJECTION LOCKING
SEMICONDUCTOR LASERS

INJECTION LOCKING
0902 1003 2402
RT CARRIER INJECTION
INJECTION LASERS
LASER MODE LOCKING

INJECTION MOLDING
1704
GS FORMING TECHNIQUES
#INJECTION MOLDING
RT CERAMICS
DIES
EXTRUDING
MELTING
MOLDING MATERIALS
MOLDS
PLASTICS
RESIN TRANSFER MOLDING

INJECTORS
2801 2806 2808
GS #INJECTORS
.VORTEX INJECTORS
RT BLOWERS
CARBURETORS
EJECTORS
FEEDERS
FUEL INJECTION
FUEL SYSTEMS
INJECTION
JET FLOW
JET MIXING FLOW
% JET NOZZLES
% JETS
NOZZLE FLOW
% NOZZLES
ORIFICES
PUMPS
SPRAY NOZZLES

INJUN EXPLORER

USE EXPLORER 25 SATELLITE

INJUN SATELLITES
2201 2903 3107
GS ARTIFICIAL SATELLITES
#INJUN SATELLITES
..EXPLORER 25 SATELLITE
..INJUN 1 SATELLITE
..INJUN 3 SATELLITE
..INJUN 4 SATELLITE

INJUN 1 SATELLITE
2201 3107
GS ARTIFICIAL SATELLITES
.INJUN SATELLITES
.#INJUN 1 SATELLITE

INJUN 3 SATELLITE
2201 3107
GS ARTIFICIAL SATELLITES
.INJUN SATELLITES
.#INJUN 3 SATELLITE

INJUN 4 SATELLITE
3107
GS ARTIFICIAL SATELLITES
.INJUN SATELLITES
.#INJUN 4 SATELLITE

INJUN 5 SATELLITE
USE EXPLORER 40 SATELLITE

INJURIES
0408 0502 0506
GS #INJURIES
.BACK INJURIES
.BAROTRAUMA
.BRAIN DAMAGE
.BURNS (INJURIES)
.CRASH INJURIES
.EJECTION INJURIES
.FROSTBITE
.LESIONS
..PULMONARY LESIONS
.NOISE INJURIES
.PARACHUTING INJURY
.PARALYSIS
.RADIATION INJURIES
.WHIPLASH INJURIES
RT ACCIDENTS
% BLISTERS
CHEMICAL DEFENSE
DAMAGE
DEATH
DIAGNOSIS
FOREIGN BODIES
HAZARDS
HEMORRHAGES
IMPAIRMENT
SABOTAGE
VETERINARY MEDICINE
WOUND HEALING

INKS
3405
RT DRAWINGS
GRAPHIC ARTS
PIGMENTS
PRINTING

INLAND WATERS
1308 2003
GS WATER
#INLAND WATERS
..GROUND WATER
RT GREAT LAKES (NORTH AMERICA)
GREAT SALT LAKE (UT)
LAKES
RIVERS
SPRINGS (WATER)
WATER POLLUTION
WATER RESOURCES
WATER RUNOFF

INLET AIRFRAME CONFIGURATIONS
1504
GS INTAKE SYSTEMS
.AIR INTAKES
.#INLET AIRFRAME CONFIGURATIONS
RT BYPASS RATIO
ENGINE INLETS
FLOW GEOMETRY
HYPERSONIC INLETS
INLET FLOW
INLET NOZZLES
NOSE INLETS
SIDE INLETS
SUPERSONIC INLETS

INLET FLOW
1202 1203
GS FLUID FLOW
#INLET FLOW
RT BYPASS RATIO
CHOKED FLOW
% DIFFUSERS
DUMP COMBUSTORS
FLOW GEOMETRY
FLUID INJECTION
HEAD FLOW
INLET AIRFRAME CONFIGURATIONS
INTAKE SYSTEMS
% PRESSURE DROP
SUPERSONIC INLETS
VORTEX GENERATORS

INLET NOZZLES
1201 1203 2805 2806 2808 3501
RT AIR INTAKES
ANNULAR NOZZLES
BYPASS RATIO
CONICAL NOZZLES
% DIFFUSERS
ENGINE INLETS
EXHAUST NOZZLES
INLET AIRFRAME CONFIGURATIONS
INTAKE SYSTEMS
INTERNAL COMPRESSION INLETS
% NOZZLES
OPENINGS
PIPE NOZZLES

INLET PRESSURE
1408 2805 3501
GS PRESSURE
#INLET PRESSURE
RT PRESSURE GRADIENTS
PRESSURE RECOVERY
STAGNATION PRESSURE
WATER PRESSURE

INLET TEMPERATURE
1202
GS TEMPERATURE
#INLET TEMPERATURE
RT AIR INTAKES
ENGINE INLETS
FUEL SYSTEMS
GAS TEMPERATURE
INTAKE SYSTEMS

INLETS (DEVICES)
USE INTAKE SYSTEMS

INLETS (TOPOGRAPHY)
1303 1304 1306
GS LANDFORMS
#INLETS (TOPOGRAPHY)
..BAYOUS
..COOK INLET (AK)
RT BAYS (TOPOGRAPHIC FEATURES)
DELAWARE BAY (US)
FIORDS
GULFS
LAGOONS

```
        PERSIAN GULF
        SAGINAW BAY (MI)
        SOUNDS (TOPOGRAPHIC FEATURES)

INLIERS (LANDFORMS)
  1305 1306
  GS    LANDFORMS
        #INLIERS (LANDFORMS)
  RT    EROSION
        GEOLOGICAL FAULTS
        GEOLOGY
        PETROGRAPHY
        PETROLOGY
        ROCK INTRUSIONS
        ROCKS
        STRUCTURAL PROPERTIES (GEOLOGY)

INNER RADIATION BELT
  0411 1302 2903 3009
  GS    ENVIRONMENTS
        #INNER RADIATION BELT
        PARTICLES
        .CHARGED PARTICLES
        ..MAGNETICALLY TRAPPED PARTICLES
        ...RADIATION BELTS
        ...#INNER RADIATION BELT
        .TRAPPED PARTICLES
        ..MAGNETICALLY TRAPPED PARTICLES
        ...RADIATION BELTS
        ...#INNER RADIATION BELT
  RT    ARTIFICIAL RADIATION BELTS
        OUTER RADIATION BELT
        PROTON BELTS
      % RADIATION
        SINGLE EVENT UPSETS

INOCULATION
  0404 0405 2601 2602
  UF    SEEDING (INOCULATION)
  RT    CRYSTAL GROWTH
        CRYSTALLIZATION
        IMMUNITY
        INITIATION
        NUCLEATION
        VACCINES

INOCULUM
  0405 0412
  GS    SERUMS
        #INOCULUM
        VACCINES
        #INOCULUM
  RT    ANTIBODIES
        ANTIGENS
        PHYSIOLOGICAL DEFENSES

INORGANIC CHEMISTRY
  0603 1804
  RT    ANALYTICAL CHEMISTRY
      % CHEMISTRY

INORGANIC COATINGS
  0603 1802 1804
  GS    COATINGS
        #INORGANIC COATINGS
        ..ANODIC COATINGS
        ..CERAMIC COATINGS
  RT    ANTIRADAR COATINGS
        PROTECTIVE COATINGS

INORGANIC COMPOUNDS
  0603 1804
  GS   #INORGANIC COMPOUNDS
        .AMMONIA
        ..LIQUID AMMONIA
  RT    ACIDS
      % BASES
      % CHEMICAL COMPOUNDS
        FLAME RETARDANTS
        INTERMETALLICS
        MOLTEN SALTS
      % SALTS

% INORGANIC MATERIALS
  1704 1804 1805
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED CONSULT THE TERMS
        LISTED BELOW)
  RT % MATERIALS
        NONFLAMMABLE MATERIALS
        REFRACTORY MATERIALS
        THERMOCHROMATIC MATERIALS
        VITREOUS MATERIALS

INORGANIC NITRATES
  0603 1804
  GS    NITROGEN COMPOUNDS
        .NITRATES
        .#INORGANIC NITRATES
        ...AMMONIUM NITRATES
        ...HYDRAZINE NITRATE
        ...POTASSIUM NITRATES
        ...SILVER NITRATES
        ...SODIUM NITRATES

INORGANIC PEROXIDES
  0603 1804
  UF    SUPEROXIDES
  GS    CHALCOGENIDES
        .OXIDES
        ..ANHYDRIDES
        ...PEROXIDES
        ...#INORGANIC PEROXIDES
  RT    ORGANIC PEROXIDES

INORGANIC SULFIDES
  0603 1804
  GS    CHALCOGENIDES
        .SULFIDES
        .#INORGANIC SULFIDES
        ...BARIUM SULFIDES
        ...BISMUTH SULFIDES
        ...CADMIUM SULFIDES
        ...CALCIUM SULFIDES
        ...COPPER SULFIDES
        ....ENARGITE
        ...HYDROGEN SULFIDE
        ...INDIUM SULFIDES
        ...LEAD SULFIDES
        ...MOLYBDENUM SULFIDES
        ....MOLYBDENUM DISULFIDES
        ...POLYSULFIDES
        ...STRONTIUM SULFIDES
        ...ZINC SULFIDES
        ....WURTZITE
        ....ZINCBLENDE
        SULFUR COMPOUNDS
        .SULFIDES
        .#INORGANIC SULFIDES
        ...BARIUM SULFIDES
        ...BISMUTH SULFIDES
        ...CADMIUM SULFIDES
        ...CALCIUM SULFIDES
        ...COPPER SULFIDES
        ....ENARGITE
        ...HYDROGEN SULFIDE
        ...INDIUM SULFIDES
        ...LEAD SULFIDES
        ...MOLYBDENUM SULFIDES
        ....MOLYBDENUM DISULFIDES
        ...POLYSULFIDES
        ...STRONTIUM SULFIDES
        ...ZINC SULFIDES
        ....WURTZITE
        ....ZINCBLENDE

INOSITOLS
  0402 0403 1808
  GS    ORGANIC COMPOUNDS
        .CARBOHYDRATES
        ..SUGARS
        ..#INOSITOLS

INPUT
  0702 0703 0802 0902 1001 1406 1504
```

```
  RT    ACCUMULATIONS
        COLLECTION
        FEEDING (SUPPLYING)
        FILLING
        INJECTION
      % LOADING
        OUTPUT
        READING
        REPLENISHMENT
        SUPPLYING

INPUT/OUTPUT ROUTINES
  0802
  GS    COMPUTER PROGRAMS
        .COMPUTER SYSTEMS PROGRAMS
        .#INPUT/OUTPUT ROUTINES
  RT    DISK OPERATING SYSTEM (DOS)
        OPERATING SYSTEMS (COMPUTERS)
        RANDOM ACCESS
      % ROUTINES

INSAT SATELLITES
  USE   INDIAN SPACECRAFT

INSECT DAMAGE
  USE   INFESTATION

INSECTICIDES
  0402 0404 0412 0504
  GS    POISONS
        .PESTICIDES
        .#INSECTICIDES
        ...DIELDRIN
  RT    ENDRIN
        ENTOMOLOGY
        TOXICOLOGY

INSECTS
  0402 0404 0411
  GS    ANIMALS
        .INVERTEBRATES
        ..ARTHROPODS
        ..#INSECTS
        ....BEES
        ....BOLLWORMS
        ....CHIRONOMUS FLIES
        ....COCKROACHES
        ....COLEOPTERA
        .....BEETLES
        ......TRIBOLIA
        .....BOLL WEEVILS
        ....CRICKETS
        ....DROSOPHILA
        ....FIREFLIES
        ....GRASSHOPPERS
        ....LOCUSTS
        ....MOTHS
        .....SILKWORMS
  RT    ENTOMOLOGY
        INFESTATION
        LARVAE
        PUPA

INSENSITIVITY
  USE   SENSITIVITY

INSERTION
  1104 3009 3102
  GS   #INSERTION
        .ORBIT INSERTION
  RT    COLLATING
        EMBEDDING
        GRAFTING
        IMPLANTATION
        IMPREGNATING
        INSERTS
        NETWORK ANALYSIS
        TRANSMISSION LOSS

INSERTION LOSS
  0702 0710 2402
  RT    ENERGY DISSIPATION
        LOSSES
        TRANSMISSION LOSS

INSERTS
  2806 2807
  GS   #INSERTS
        .NOZZLE INSERTS
  RT    ACCESSORIES
        BUSHINGS
        FASTENERS
        FITTINGS
        INSERTION
        LININGS
        SPACERS
        SPOOLS
        WASHERS (SPACERS)

INSHORE ZONES
  USE   BEACHES

INSOLATION
  1308 2902
  RT    GREENHOUSE EFFECT
        METEOROLOGY
        SOLAR HEATING
        SOLAR RADIATION
        SUNLIGHT

INSOMNIA
  0405 0408
  GS    SLEEP
        #INSOMNIA
  RT    SLEEP DEPRIVATION

INSPECTION
  1505 3404 3407
  GS   #INSPECTION
        .INFRARED INSPECTION
        .X RAY INSPECTION
  RT    ACCEPTABILITY
        CHECKOUT
        CHEMICAL TESTS
        CONSTRUCTION
        DETECTION
        ENDOSCOPES
        EVALUATION
        EXAMINATION
        IDENTIFYING
        NONDESTRUCTIVE TESTS
        PERFORMANCE TESTS
        QUALITY CONTROL
        SAMPLING
        SPECIFICATIONS
        STANDARDS
        STATIC TESTS
        STATISTICAL ANALYSIS
        SURVEILLANCE
        TOLERANCES (MECHANICS)
        ULTRASONIC FLAW DETECTION

INSPECTOR SATELLITE
  0702 1404 3107
  GS    ARTIFICIAL SATELLITES
        #INSPECTOR SATELLITE
        MILITARY SPACECRAFT
        .RECONNAISSANCE SPACECRAFT
        .#INSPECTOR SATELLITE

INSPIRATION
  0404 3407
  RT    INTELLECT
        MENTAL PERFORMANCE
        PSYCHOLOGY

INSTABILITY
  USE   STABILITY

INSTALLATION
  USE   INSTALLING

INSTALLATION MANUALS
  3404 3405 3406
  GS    DOCUMENTS
```

.MANUALS
.#INSTALLATION MANUALS

INSTALLING
1504 3404 3407
UF INSTALLATION
RT ASSEMBLING
CONSTRUCTION
LOOK ANGLES (ELECTRONICS)
MAINTENANCE
RELOCATION
REPLACING
RETROFITTING

INSTANTONS
2501
GS FIELD THEORY (PHYSICS)
.QUANTUM CHROMODYNAMICS
.#INSTANTONS
RT ELEMENTARY PARTICLES
PLASMA PHYSICS
QUARKS

INSTITUTIONS
3402 3403 3406 3409
GS #INSTITUTIONS
.BUREAUS (ORGANIZATIONS)
RT FEDERATIONS
TEAMS

INSTRUCTION SETS (COMPUTERS)
0802
RT ALPHANUMERIC CHARACTERS
BOOLEAN ALGEBRA
COMPUTER PROGRAMS
MATHEMATICAL LOGIC

INSTRUCTIONS
USE EDUCATION

INSTRUCTORS
0502 3403 3405
UF TEACHERS
GS PERSONNEL
#INSTRUCTORS
RT EDUCATION
LEARNING
SCHOOLS
STUDENTS
TRAINING EVALUATION
UNIVERSITIES

INSTRUMENT APPROACH
0502 1101 1402 2101
GS APPROACH
#INSTRUMENT APPROACH
RT AIRCRAFT APPROACH SPACING
AIRCRAFT INSTRUMENTS
APPROACH CONTROL
APPROACH INDICATORS
BLIND LANDING
FLIGHT CONTROL
FLIGHT INSTRUMENTS
GLIDE PATHS
LANDING AIDS
LANDING RADAR
NIGHT FLIGHTS (AIRCRAFT)

INSTRUMENT COMPENSATION
1402 1406 1408 1410 3501
GS #INSTRUMENT COMPENSATION
.TEMPERATURE COMPENSATION
RT ADAPTIVE OPTICS
CALIBRATING
% COMPENSATION
ERROR CORRECTING DEVICES

INSTRUMENT DRIFT
USE DRIFT (INSTRUMENTATION)

INSTRUMENT ERRORS
1402 1410
GS ERRORS
#INSTRUMENT ERRORS
RT BIAS
BORESIGHT ERROR
CALIBRATING
DRIFT (INSTRUMENTATION)
LINEARITY
OPTICAL CORRECTION PROCEDURE
SPECTRAL SENSITIVITY

INSTRUMENT FLIGHT RULES
0203 0502 1101 1402 2101
UF IFR (RULES)
GS RULES
.FLIGHT RULES
.#INSTRUMENT FLIGHT RULES
RT AIR NAVIGATION
AIR TRAFFIC CONTROL
APPROACH CONTROL
BEACONS
BLIND LANDING
FLIGHT CONDITIONS
FLIGHT INSTRUMENTS
FLIGHT PLANS
LANDING
LOW VISIBILITY

INSTRUMENT LANDING SYSTEMS
0203 0506 1402 1410 2101
UF ILS (LANDING SYSTEMS)
GS LANDING AIDS
#INSTRUMENT LANDING SYSTEMS
..ALL-WEATHER LANDING SYSTEMS
..AUTOMATIC LANDING CONTROL
RT AIR TRAFFIC CONTROL
AIRCRAFT GUIDANCE
AIRCRAFT INSTRUMENTS
AIRCRAFT LANDING
AIRPORTS
APPROACH CONTROL
APPROACH INDICATORS
BLIND LANDING
DISPLAY DEVICES
FLIGHT CONTROL
FLIGHT INSTRUMENTS
GLIDE PATHS
GROUND BASED CONTROL
% INSTRUMENTS
LANDING
LANDING INSTRUMENTS
NIGHT FLIGHTS (AIRCRAFT)
RADAR
RADAR APPROACH CONTROL
RADIO ALTIMETERS
RADIO BEACONS
% SYSTEMS
TRACKING (POSITION)

INSTRUMENT ORIENTATION
1402 1410 2102 2104
RT ALIGNMENT
ATTITUDE (INCLINATION)
BEARING (DIRECTION)
DIRECTIVITY
LOOK ANGLES (ELECTRONICS)
% ORIENTATION
POSITIONING

INSTRUMENT PACKAGES
0506 1402 1410 2002 2104
GS PACKAGES
#INSTRUMENT PACKAGES
..APOLLO LUNAR SURFACE EXPERIMENTS PACKAGE
..EASEP
..EREP
RT AMPS (SATELLITE PAYLOAD)
AUTOMATIC WEATHER STATIONS
DATA COLLECTION PLATFORMS
LOCAL SCIENTIFIC SURVEY MODULE
MODULES
MOLECULAR SHIELDS
OCEAN DATA ACQUISITIONS SYSTEMS

ORBITING FROG OTOLITH
PAYLOAD ASSIST MODULE
PAYLOADS
SATELLITE-BORNE INSTRUMENTS
SIM
SPACECRAFT INSTRUMENTS
WEATHER STATIONS

INSTRUMENT RECEIVERS
0701 1413 3501
RT CONTROLLERS
% DETECTORS
DISPLAY DEVICES
INDICATING INSTRUMENTS
% INSTRUMENTS
ISOTROPIC TURBULENCE
MEASURING INSTRUMENTS
RECEIVERS
RECORDING INSTRUMENTS
TRANSDUCERS

INSTRUMENT TRANSFORMERS
0902 0904 1406
GS TRANSFORMERS
#INSTRUMENT TRANSFORMERS
RT % CONVERTERS
RESOLVERS

INSTRUMENT TRANSMITTERS
0701 1413 3501
GS TRANSMITTERS
#INSTRUMENT TRANSMITTERS
RT CONTROLLERS
% INSTRUMENTS
MEASURING INSTRUMENTS
RECORDING INSTRUMENTS
TRANSDUCERS

INSTRUMENTAL ANALYSIS
USE ANALYZING
AUTOMATION

INSTRUMENTATION
USE INSTRUMENTS

% INSTRUMENTS
0501 1406
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
UF INSTRUMENTATION
RT ACTUATORS
ADVANCED RANGE INSTRUMENTATION SHIP
AIRCRAFT INSTRUMENTS
APOLLO LUNAR SURFACE EXPERIMENTS
PACKAGE
AUTOMATIC CONTROL
BIOINSTRUMENTATION
BUBBLE TECHNIQUE
CONTROLLERS
DENSIMETERS
DISPLAY DEVICES
DRAG FORCE ANEMOMETERS
EASEP
EREP
FLIGHT INSTRUMENTS
FORCE VECTOR RECORDERS
HAPLOSCOPES
HELIOSTATS
HELMET MOUNTED DISPLAYS
INDICATING INSTRUMENTS
INSTRUMENT LANDING SYSTEMS
INSTRUMENT RECEIVERS
INSTRUMENT TRANSMITTERS
LASER ALTIMETERS
MEASURING INSTRUMENTS
METEOROLOGICAL INSTRUMENTS
MICROWAVE SENSORS
MONITORS
NAVIGATION INSTRUMENTS
OCULOMETERS
PACKAGES
PROPELLANT ACTUATED INSTRUMENTS
RECORDING INSTRUMENTS
REMOTE CONTROL
ROCKET-BORNE INSTRUMENTS
SATELLITE INSTRUMENTS
SATELLITE-BORNE INSTRUMENTS
SCATTEROMETERS
SIM
SODAR
SOUND DETECTING AND RANGING
SPACECRAFT INSTRUMENTS
SURGICAL INSTRUMENTS
TRANSDUCERS
TRANSMITTERS
TURBINE INSTRUMENTS
ULTRASONIC DENSIMETERS

% INSULATED STRUCTURES
0201 0504 3109 3110 3303 3501
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT DIELECTRICS
ELECTRICAL INSULATION
HEAT RADIATORS
HEAT SHIELDING
HYPERSONIC VEHICLES
INSULATION
RADIATION SHIELDING
REENTRY SHIELDING
REENTRY VEHICLES
SPACECRAFT SHIELDING

INSULATING MATERIALS
USE INSULATION

INSULATION
1704 1805 3305 3407
SN (MATERIAL)
UF INSULATING MATERIALS
GS #INSULATION
.ELECTRICAL INSULATION
.MULTILAYER INSULATION
.THERMAL INSULATION
RT ABSORBERS (MATERIALS)
ASBESTOS
CEILINGS (ARCHITECTURE)
COMPOSITE MATERIALS
CONCRETES
% CONSTRUCTION MATERIALS
DAMPING
HONEYCOMB STRUCTURES
% INSULATED STRUCTURES
INSULATORS
INTERLAYERS
ISOLATION
ISOLATORS
JACKETS
LINING PROCESSES
LININGS
% MATERIALS
MICARTA
OXIDES
POTTING COMPOUNDS
PROTECTION
SUPPRESSORS
VERMICULITE
WATERPROOFING

INSULATORS
2302 3304 3305
SN (EXCLUDES THERMAL
INSULATION--LIMITED TO DEVICES
COMPOSED OF ELECTRICALLY
INSULATIVE MATERIALS)
RT ATTENUATORS
DIELECTRICS
ELECTRIC CONDUCTORS
ELECTRICAL INSULATION
INSULATION
TRANSMISSION LINES

INSULIN

0403 0405 1808
GS DRUGS
#INSULIN
SECRETIONS
.ENDOCRINE SECRETIONS
.#INSULIN
RT DIABETES MELLITUS

INSURANCE (CONTRACTS)
3402 3403
GS CONTRACTS
#INSURANCE (CONTRACTS)
RT AGREEMENTS
AIR LAW
AIRCRAFT ACCIDENT INVESTIGATION
AIRCRAFT ACCIDENTS
ASSURANCE
ECONOMIC FACTORS
EXTENSIONS
GRANTS
LEGAL LIABILITY
PUBLIC LAW
SPACE COMMERCIALIZATION
SPACE LAW

INTAKE SYSTEMS
1504
UF INDUCTION SYSTEMS
INLETS (DEVICES)
GS #INTAKE SYSTEMS
.AIR INTAKES
..ENGINE INLETS
..HYPERSONIC INLETS
..INLET AIRFRAME CONFIGURATIONS
..SUPERSONIC INLETS
.CONICAL INLETS
.HELICAL INDUCERS
.INTERNAL COMPRESSION INLETS
.NOSE INLETS
.SIDE INLETS
RT AERODYNAMIC CONFIGURATIONS
ANNULAR DUCTS
BYPASS RATIO
COOLING SYSTEMS
DUCT GEOMETRY
DUCTED BODIES
DUCTS
ENTRANCES
EXHAUST SYSTEMS
FEED SYSTEMS
FEEDERS
FUEL SYSTEMS
INLET FLOW
INLET NOZZLES
INLET TEMPERATURE
MANIFOLDS
OPENINGS
PIPE NOZZLES
PLENUM CHAMBERS
RAMPS (STRUCTURES)
SCOOPS
% SYSTEMS
% WATER INTAKES

INTASAT SATELLITE
1901 2004 3107 3110
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..ENVIRONMENTAL RESEARCH SATELLITES
..#INTASAT SATELLITE
RT EARTH IONOSPHERE
LOWER ATMOSPHERE
MAGNETIC FIELDS
TROPOSPHERE

INTEG MED AND BEHAVIORAL LAB MEASUR SYSTEM
USE IMBLMS

INTEG PROGRAM FOR AEROSPACE VEH DESIGN
USE IPAD

INTEGERS
1902
GS NUMBER THEORY
#INTEGERS
REAL NUMBERS
#INTEGERS
RT ARITHMETIC
COMPLEX NUMBERS
CONGRUENCES
DIGITS
% NUMBERS

INTEGRAL CALCULUS
1902
GS ANALYSIS (MATHEMATICS)
.CALCULUS
.#INTEGRAL CALCULUS
.REAL VARIABLES
..MEASURE AND INTEGRATION
..#INTEGRAL CALCULUS
RT AREA
DIFFERENTIAL CALCULUS
INTEGRALS
J INTEGRAL
NUMERICAL INTEGRATION
OPERATIONAL CALCULUS

INTEGRAL EQUATIONS
1902 3501
UF INTEGRODIFFERENTIAL EQUATIONS
GS ANALYSIS (MATHEMATICS)
.FUNCTIONAL ANALYSIS
.#INTEGRAL EQUATIONS
...FREDHOLM EQUATIONS
...J INTEGRAL
...SINGULAR INTEGRAL EQUATIONS
...VOLTERRA EQUATIONS
...WIENER HOPF EQUATIONS
RT ASYMPTOTIC PROPERTIES
CALCULUS OF VARIATIONS
DIFFERENTIAL EQUATIONS
DISTRIBUTED PARAMETER SYSTEMS
% EQUATIONS
MELLIN TRANSFORMS
METHOD OF MOMENTS
NONLINEAR EQUATIONS
PERCUS METHOD
RANGE (EXTREMES)
SCHMIDT METHOD
TRANSPORT THEORY

INTEGRAL FUNCTIONS
USE ENTIRE FUNCTIONS

INTEGRAL ROCKET RAMJETS
2805
GS ENGINES
.AIR BREATHING ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....RAMJET ENGINES
....#INTEGRAL ROCKET RAMJETS
.INTERNAL COMBUSTION ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....RAMJET ENGINES
....#INTEGRAL ROCKET RAMJETS
RT SOLID PROPELLANT ROCKET ENGINES
TURBINE ENGINES

INTEGRAL TRANSFORMATIONS
1902
UF TRANSFORM INTEGRALS
GS ANALYSIS (MATHEMATICS)
.FUNCTIONAL ANALYSIS
.#INTEGRAL TRANSFORMATIONS
...FOURIER TRANSFORMATION
...HILBERT TRANSFORMATION
...LAPLACE TRANSFORMATION
TRANSFORMATIONS (MATHEMATICS)
#INTEGRAL TRANSFORMATIONS
..FOURIER TRANSFORMATION
...FAST FOURIER TRANSFORMATIONS
..FOURIER-BESSEL TRANSFORMATIONS

..HILBERT TRANSFORMATION
..LAPLACE TRANSFORMATION
RT CONVOLUTION INTEGRALS
LIGHTHILL METHOD
OPERATORS (MATHEMATICS)

INTEGRALS
1902
GS #INTEGRALS
.CONVOLUTION INTEGRALS
RT DIFFERENTIAL EQUATIONS
FUNCTIONALS
INTEGRAL CALCULUS
% MATHEMATICS

INTEGRATED CIRCUITS
0902 1001 1002
UF MONOLITHIC CIRCUITS
GS CIRCUITS
#INTEGRATED CIRCUITS
..APPLICATION SPECIFIC INTEGRATED CIRCUITS
..DTL INTEGRATED CIRCUITS
..ENCAPSULATED MICROCIRCUITS
..LARGE SCALE INTEGRATION
..LINEAR INTEGRATED CIRCUITS
..MEDIUM SCALE INTEGRATION
..TTL INTEGRATED CIRCUITS
..VERY LARGE SCALE INTEGRATION
..VHSIC (CIRCUITS)
RT BURN-IN
CHARGE FLOW DEVICES
CHIPS (ELECTRONICS)
CHIPS (MEMORY DEVICES)
ELECTRONIC PACKAGING
HARDWARE DESCRIPTION LANGUAGES
INTEGRATED OPTICS
ION IMPLANTATION
LATCH-UP
MICROCHANNEL PLATES
MICROMINIATURIZATION
MICROPROCESSORS
MICROSTRIP DEVICES
MOLECULAR ELECTRONICS
OPTOELECTRONIC DEVICES
PHOTOMASKS
PRINTED CIRCUITS
THICK FILMS
THIN FILMS
TRANSISTOR CIRCUITS

INTEGRATED ENERGY SYSTEMS
2304
RT COMMUNITIES
ELECTRIC POWER PLANTS
ENERGY CONVERSION
ENERGY DISTRIBUTION
HEATING
% SYSTEMS
TOTAL ENERGY SYSTEMS
UTILITIES

INTEGRATED GLOBAL OCEAN STATION SYSTEMS
1305 1310
UF IGOSS
RT DATA COLLECTION PLATFORMS
GLOBAL ATMOSPHERIC RESEARCH PROGRAM
GROUND STATIONS
INTERNATIONAL COOPERATION
OCEANOGRAPHIC PARAMETERS
% SYSTEMS
WEATHER STATIONS

INTEGRATED LIBRARY SYSTEMS
0802
GS INFORMATION SYSTEMS
#INTEGRATED LIBRARY SYSTEMS
RT INFORMATION DISSEMINATION
INFORMATION MANAGEMENT
INFORMATION RETRIEVAL
LIBRARIES
ON-LINE SYSTEMS

INTEGRATED MANEUVERING LIFE SUPPORT SYS
USE IMLSS

INTEGRATED MISSION CONTROL CENTER
1102 1104 1109 3409 3502
UF IMCC (CONTROL CENTER)
GS STATIONS
.GROUND STATIONS
.#INTEGRATED MISSION CONTROL CENTER
RT % CONTROL
GEMINI PROJECT
GROUND BASED CONTROL
REAL TIME OPERATION

INTEGRATED OPTICS
2310
RT ELECTRO-OPTICS
INTEGRATED CIRCUITS
LANGMUIR-BLODGETT FILMS
LENSES
LIGHT TRANSMISSION
MONOMOLECULAR FILMS
OPTICAL BISTABILITY
OPTICAL SWITCHING
OPTICAL WAVEGUIDES
% OPTICS
OPTOELECTRONIC DEVICES
THIN FILMS

INTEGRATION (REAL VARIABLES)
USE MEASURE AND INTEGRATION

INTEGRATORS
0801 1902
GS #INTEGRATORS
.DIGITAL INTEGRATORS
RT CIRCUITS
DIFFERENTIATORS
% NETWORKS
SOLIONS

INTEGRITY
0408 1902 3408
GS #INTEGRITY
.COMPUTER PROGRAM INTEGRITY
RT COMPLETENESS
PRIVACY
SECURITY
VULNERABILITY

INTEGRODIFFERENTIAL EQUATIONS
USE DIFFERENTIAL EQUATIONS
INTEGRAL EQUATIONS

INTEL 8080 MICROPROCESSOR
0801
GS DATA PROCESSING EQUIPMENT
.MICROPROCESSORS
.#INTEL 8080 MICROPROCESSOR
RT COMPUTERS

INTELLECT
0408 0410
GS INTELLIGENCE
#INTELLECT
RT ARTIFICIAL INTELLIGENCE
INSPIRATION
MENTAL PERFORMANCE
PSYCHOLOGY

INTELLIGENCE
0408 0410 3401
GS #INTELLIGENCE
.ARTIFICIAL INTELLIGENCE
.EXPERT SYSTEMS
.EXTRATERRESTRIAL INTELLIGENCE
.INTELLECT
RT COGNITIVE PSYCHOLOGY
INTELLIGENCE TESTS
MENTAL HEALTH
MENTAL PERFORMANCE

INTELLIGENCE TESTS
0408 0410 0502 1905
RT HUMAN PERFORMANCE
INTELLIGENCE
MENTAL PERFORMANCE
PERSONALITY TESTS
PERSONNEL SELECTION
PSYCHOLOGICAL TESTS
% TESTS

INTELLIGENT STRUCTURES
USE SMART STRUCTURES

INTELLIGIBILITY
0703 3405
GS #INTELLIGIBILITY
.SPEECH RECOGNITION
RT AMBIGUITY
% COHERENCE
COMMUNICATION THEORY
% INTERPRETATION
MESSAGES
ORTHOGRAPHY
PHONEMICS
PHONETICS
PSYCHOLINGUISTICS
SCRAMBLING (COMMUNICATION)

INTELSAT SATELLITES
3107
GS ARTIFICIAL SATELLITES
.COMMUNICATION SATELLITES
.#INTELSAT SATELLITES

INTENSIFICATION
USE AMPLIFICATION

INTENSIFIER TUBES
USE IMAGE INTENSIFIERS

INTENSIFIERS
0605 1407
GS #INTENSIFIERS
.IMAGE INTENSIFIERS
..IMAGE ORTHICONS
RT AMPLIFIERS

% INTENSITY
2311 2402 3408
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT AMPLITUDES
BRIGHTNESS
FLUX (RATE)
FLUX DENSITY
LEVEL (QUANTITY)
LOUDNESS
LUMINANCE
LUMINOUS INTENSITY
MAGNITUDE
NOISE INTENSITY
RADIANCE
STELLAR MAGNITUDE

INTERACTING GALAXIES
3001 3009
UF GALAXY INTERACTION
GS CELESTIAL BODIES
.GALAXIES
.#INTERACTING GALAXIES
RT GALACTIC STRUCTURE
% INTERACTIONS
RING GALAXIES
SHELL GALAXIES
STELLAR SYSTEMS

INTERACTIONAL AERODYNAMICS
0101
GS FLUID MECHANICS
.FLUID DYNAMICS
..GAS DYNAMICS
..#INTERACTIONAL AERODYNAMICS
RT AIRFOILS
COMPUTATIONAL FLUID DYNAMICS
% FLOW
LAMINAR BOUNDARY LAYER

% INTERACTIONS
3407
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT AIR LAND INTERACTIONS
AIR SEA ICE INTERACTIONS
AIR WATER INTERACTIONS
ATOMIC COLLISIONS
ATOMIC INTERACTIONS
BEAM INTERACTIONS
BLADE-VORTEX INTERACTION
CONFIGURATION INTERACTION
ELECTROMAGNETIC INTERACTIONS
ELECTRON PHONON INTERACTIONS
ELEMENTARY PARTICLE INTERACTIONS
FLUID-SOLID INTERACTIONS
GAS-GAS INTERACTIONS
GAS-ION INTERACTIONS
GAS-LIQUID INTERACTIONS
GAS-METAL INTERACTIONS
GAS-SOLID INTERACTIONS
HIGH ENERGY INTERACTIONS
INTERACTING GALAXIES
ION ATOM INTERACTIONS
LASER PLASMA INTERACTIONS
LASER TARGET INTERACTIONS
MAN ENVIRONMENT INTERACTIONS
MESON-MESON INTERACTIONS
MESON-NUCLEON INTERACTIONS
MOLECULAR COLLISIONS
MOLECULAR INTERACTIONS
NUCLEAR CAPTURE
NUCLEAR INTERACTIONS
NUCLEAR REACTIONS
NUCLEON-NUCLEON INTERACTIONS
PARTICLE INTERACTIONS
PARTICLE THEORY
PHOTON-ELECTRON INTERACTION
PLASMA INTERACTION EXPERIMENT
PLASMA INTERACTIONS
PLASMA-ELECTROMAGNETIC INTERACTION
PLASMA-PARTICLE INTERACTIONS
PROTON-PROTON REACTIONS
SHOCK WAVE INTERACTION
SOLAR TERRESTRIAL INTERACTIONS
SOUND-SOUND INTERACTIONS
SPIN-ORBIT INTERACTIONS
STRONG INTERACTIONS (FIELD THEORY)
WAVE INTERACTION
WEAK ENERGY INTERACTIONS
WEAK INTERACTIONS (FIELD THEORY)

INTERACTIVE CONTROL
0905
RT ACTIVE CONTROL
% CONTROL
CONTROL THEORY
NUMERICAL CONTROL

INTERACTIVE GRAPHICS
USE COMPUTER GRAPHICS

INTERACTIVE MULTIMEDIA
USE MULTIMEDIA

INTERATOMIC FORCES
2311 2401 2404 2405
RT ATOMIC FORCE MICROSCOPY
ATOMIC STRUCTURE
VAN DER WAALS FORCES

INTERCALATION
1504
GS STRATIFICATION
#INTERCALATION
RT % CHEMICAL COMPOUNDS

```
      GRAPHITE
      INTERLAYERS
    % LAYERS

INTERCEPTION
  0702 0705 3401
  RT  RENDEZVOUS
      SPACECRAFT DOCKING

INTERCEPTOR AIRCRAFT
  USE  FIGHTER AIRCRAFT

% INTERCEPTORS
  0207 1902 3401
  SN  (USE OF A MORE SPECIFIC TERM IS
      RECOMMENDED--CONSULT THE TERMS
      LISTED BELOW)
  RT  FIGHTER AIRCRAFT
      SATELLITE INTERCEPTORS
      YF-12 AIRCRAFT

INTERCONNECTION
  USE  JOINING

INTERCONTINENTAL BALLISTIC MISSILES
  3101 3401
  UF  ICBM (MISSILES)
  GS  MISSILES
      .BALLISTIC MISSILES
      .#INTERCONTINENTAL BALLISTIC
        MISSILES
      ...ATLAS ICBM
      ....ATLAS D ICBM
      ....ATLAS E ICBM
      ....ATLAS F ICBM
      ...MINUTEMAN ICBM
      ...TITAN ICBM
      ....TITAN 1 ICBM
      ....TITAN 2 ICBM
      .SURFACE TO SURFACE MISSILES
      .#INTERCONTINENTAL BALLISTIC
        MISSILES
      ...ATLAS ICBM
      ....ATLAS D ICBM
      ....ATLAS E ICBM
      ....ATLAS F ICBM
      ...MINUTEMAN ICBM
      ...MX MISSILE
      ...TITAN ICBM
      ....TITAN 1 ICBM
      ....TITAN 2 ICBM
  RT  FLEET BALLISTIC MISSILES
      INTERMEDIATE RANGE BALLISTIC
      MISSILES
      MARK 1 REENTRY BODY
      MARK 2 REENTRY BODY
      MARK 3 REENTRY BODY
      MARK 4 REENTRY BODY
      MARK 5 REENTRY BODY
      MARK 6 REENTRY BODY
      MARK 11 REENTRY BODY
      MARK 12 REENTRY BODY
      MARK 17 REENTRY BODY
      TRANSOCEANIC SYSTEMS

INTERCOSMOS SATELLITES
  3107
  GS  ARTIFICIAL SATELLITES
      .GEOPHYSICAL SATELLITES
      ..COSMOS SATELLITES
      ..#INTERCOSMOS SATELLITES
      .SOVIET SATELLITES
      ..COSMOS SATELLITES
      ..#INTERCOSMOS SATELLITES

INTERCRANIAL CIRCULATION
  0404 0405
  GS  CIRCULATION
      .BLOOD CIRCULATION
      .#INTERCRANIAL CIRCULATION
  RT  CRANIUM
      SKULL

INTERDIGITAL TRANSDUCERS
  1413 3501
  GS  TRANSDUCERS
      #INTERDIGITAL TRANSDUCERS
  RT  DIGITAL TRANSDUCERS
      ELECTROACOUSTIC TRANSDUCERS
      PIEZOELECTRIC TRANSDUCERS
      SURFACE ACOUSTIC WAVE DEVICES

INTERFACE STABILITY
  1202 1704 2601 3203
  RT  FLUID BOUNDARIES
      GAS-SOLID INTERFACES
      INTERFACES
      LIQUID SLOSHING
      LIQUID-LIQUID INTERFACES
      LIQUID-SOLID INTERFACES
      LIQUID-VAPOR INTERFACES
      TAYLOR INSTABILITY
      ULLAGE

INTERFACES
  0201 1202 1802 1902 2311 2806 0702
  1504 3406
  GS  #INTERFACES
      .FLUID BOUNDARIES
      ..GAS-SOLID INTERFACES
      ..JET BOUNDARIES
      ..LIQUID-LIQUID INTERFACES
      ..LIQUID-SOLID INTERFACES
      ..LIQUID-VAPOR INTERFACES
      .SOLID-SOLID INTERFACES
  RT  BOUNDARIES
      COORDINATION
      DATA PROCESSING EQUIPMENT
      FREE BOUNDARIES
      INTERFACE STABILITY
      MANAGEMENT PLANNING
      PROJECT MANAGEMENT
      SURFACE PROPERTIES
      SURFACE REACTIONS
    % SURFACES
      TELECOMMUNICATION

INTERFACIAL ENERGY
  1704 2601 3203
  RT  ADHESION
      ELECTRON ENERGY
    % ENERGY
      LIQUID-LIQUID INTERFACES
      SHEAR STRENGTH
      SURFACE ENERGY

INTERFACIAL STRAIN
  USE  INTERFACIAL TENSION

INTERFACIAL TENSION
  1704 2601 3203
  UF  INTERFACIAL STRAIN
      SURFACE TENSION
  GS  SURFACE PROPERTIES
      #INTERFACIAL TENSION
  RT  CAPILLARY WAVES
      GAS-LIQUID INTERACTIONS
      GIBBS ADSORPTION EQUATION
      GLOBULES
      LIQUID BRIDGES
      LIQUID SURFACES
      LIQUID-LIQUID INTERFACES
      MARANGONI CONVECTION
      MECHANICAL PROPERTIES
      RIPPLES
      SLIDING
      SPREADING
      SURFACE ENERGY
      SURFACE STABILITY
    % SURFACES
      TENSILE STRESS
    % TENSION
      TRIBOLOGY
      VAPOR PRESSURE
      WETTING
```

```
% INTERFERENCE
  0404 0704 0710 2301 2310
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   AERODYNAMIC INTERFERENCE
       COHERENCE COEFFICIENT
       CROSSTALK
       DISRUPTING
       ELECTROMAGNETIC COMPATIBILITY
       ELECTROMAGNETIC INTERFERENCE
       HUM
       INCOMPATIBILITY
       INTERFERENCE FACTOR TABLE
       INTERFERENCE GRATING
       INTERSYMBOLIC INTERFERENCE
       JAMMING
       NONSYNCHRONIZATION
       RADIO FREQUENCY INTERFERENCE
       RAMSAUER EFFECT
       SUPPORT INTERFERENCE
       WAVE DIFFRACTION
       WAVE FRONT DEFORMATION

INTERFERENCE DRAG
  0101 1202 1203
  GS   AERODYNAMIC CHARACTERISTICS
       #INTERFERENCE DRAG
       DYNAMIC CHARACTERISTICS
       .DRAG
       ..PRESSURE DRAG
       ...WAVE DRAG
       ...#INTERFERENCE DRAG
  RT   PROPELLER SLIPSTREAMS
       SUPERSONIC DRAG
       UPWASH

INTERFERENCE FACTOR TABLE
  0710 2402
  GS   TABLES (DATA)
       #INTERFERENCE FACTOR TABLE
  RT % INTERFERENCE
       MODULATION
       MULTICHANNEL COMMUNICATION

INTERFERENCE FIT
  1504
  GS   JOINTS (JUNCTIONS)
       #INTERFERENCE FIT
  RT   AIRCRAFT STRUCTURES
       FASTENERS
       FATIGUE LIFE
       FITTING
       MECHANICAL PROPERTIES
       STRESS ANALYSIS

INTERFERENCE GRATING
  0701 0705 0905
  RT   FRINGE MULTIPLICATION
     % GRATINGS
     % INTERFERENCE
       MOIRE EFFECTS
       MOIRE FRINGES
       RADIO FILTERS
       RADIO FREQUENCY INTERFERENCE

INTERFERENCE IMMUNITY
  0704
  RT   ELECTROMAGNETIC INTERFERENCE
       NOISE REDUCTION
       RADIO FREQUENCY INTERFERENCE
       SIGNAL PROCESSING
       SIGNAL TO NOISE RATIOS

INTERFERENCE LIFT
  0101 1202 1203
  GS   AERODYNAMIC CHARACTERISTICS
       .LIFT
       .#INTERFERENCE LIFT
       AERODYNAMIC FORCES
       .LIFT
       .#INTERFERENCE LIFT
       DISTRIBUTION (PROPERTY)
       #INTERFERENCE LIFT
       DYNAMIC CHARACTERISTICS
       .LIFT
       .#INTERFERENCE LIFT
  RT   UPWASH

INTERFERENCE MONOCHROMATIZATION
  USE  DIFFRACTION
       MONOCHROMATIZATION

INTERFEROGRAMS
  USE  INTERFEROMETRY

INTERFEROMETERS
  1405 1406 3501
  GS   MEASURING INSTRUMENTS
       #INTERFEROMETERS
       ..ETALONS
       ..FABRY-PEROT INTERFEROMETERS
       ..INFRARED INTERFEROMETERS
       ..MACH-ZEHNDER INTERFEROMETERS
       ..MICHELSON INTERFEROMETERS
       ..MICROWAVE INTERFEROMETERS
       ..PHASE SWITCHING INTERFEROMETERS
       ..RADIO INTERFEROMETERS
  RT   ASTRONOMICAL INTERFEROMETRY
       DIFFRACTOMETERS
       FLATNESS
       GONIOMETERS
       OPTICAL EQUIPMENT
       OPTICAL MEASUREMENT
       OPTICAL MEASURING INSTRUMENTS
       PHOTOGONIOMETERS
       RONCHI TEST
       SAGNAC EFFECT
       VERY LONG BASE INTERFEROMETRY

INTERFEROMETRY
  1405 2310
  UF   INTERFEROGRAMS
  GS  #INTERFEROMETRY
       .ASTRONOMICAL INTERFEROMETRY
       .DIFFERENTIAL INTERFEROMETRY
       .HOLOGRAPHIC INTERFEROMETRY
       .LASER INTERFEROMETRY
       .MOIRE INTERFEROMETRY
       .RONCHI TEST
       .SPECKLE INTERFEROMETRY
       .VERY LONG BASE INTERFEROMETRY
  RT   DIFFRACTION PATTERNS
       FRESNEL DIFFRACTION
       FRESNEL REFLECTORS
       INFRARED INTERFEROMETERS
       ISOCHROMATICS
       NULL ZONES
       PLASMA FLUX MEASUREMENT
       SAGNAC EFFECT
       SCATTER PLATES (OPTICS)

INTERFERON
  0403 0603
  RT   ACQUIRED IMMUNODEFICIENCY SYNDROME
       BACTERIOPHAGES
       BIOCHEMISTRY
     % BIOLOGY
       HUMAN IMMUNODEFICIENCY VIRUS
       PHYSIOLOGICAL DEFENSES
       VIRUSES

INTERGALACTIC MEDIA
  3001 3009
  UF   EXTRAGALACTIC MEDIA
  GS   MEDIA
       #INTERGALACTIC MEDIA
  RT   COOLING FLOWS (ASTROPHYSICS)
       COSMIC DUST
       COSMIC GASES
       COSMIC PLASMA
       DARK MATTER
       GALACTIC HALOS
       MASS DISTRIBUTION
```

STELLAR WINDS

INTERGRANULAR CORROSION
1702 1704 2601
GS CHEMICAL ATTACK
#INTERGRANULAR CORROSION
CORROSION
#INTERGRANULAR CORROSION
RT GRAIN BOUNDARIES
STRESS CORROSION
TRANSGRANULAR CORROSION

INTERIM STAGES (SPACECRAFT)
1102 2808 3104 3107 3110
GS #INTERIM STAGES (SPACECRAFT)
.INERTIAL UPPER STAGE
RT MULTISTAGE ROCKET VEHICLES
RECOVERABLE SPACECRAFT
REUSABLE SPACECRAFT
SPACE SHUTTLES
STAGE SEPARATION

INTERIM UPPER STAGE (STS)
USE INERTIAL UPPER STAGE

INTERIOR BALLISTICS
1203 2702 3304 3501
GS BALLISTICS
#INTERIOR BALLISTICS
RT PROPELLANT TESTS

INTERLACING DRAINAGE
USE DRAINAGE PATTERNS

INTERLAMINAR STRESS
0408 1505 1704 2311 3203
GS STRESSES
#INTERLAMINAR STRESS
RT COMPOSITE MATERIALS
DELAMINATING
INTERLAYERS
LAMINATES
SHEAR STRESS
STRESS DISTRIBUTION
STRESS-STRAIN RELATIONSHIPS

INTERLAYERS
3203
GS #INTERLAYERS
.MULTILAYER INSULATION
RT BARRIER LAYERS
FABRICS
INSULATION
INTERCALATION
INTERLAMINAR STRESS
LAMINATES
% LAYERS
PLY ORIENTATION
SANDWICH STRUCTURES
% TRANSITION LAYERS

INTERLOCKING
USE LOCKING

INTERMEDIA
USE MULTIMEDIA

INTERMEDIATE FREQUENCIES
0702 0705 0710 1002 2402
GS FREQUENCIES
#INTERMEDIATE FREQUENCIES
RT HIGH FREQUENCIES
LOW FREQUENCIES
RADIO FREQUENCIES

INTERMEDIATE FREQUENCY AMPLIFIERS
0701 0705 0905 2402
GS AMPLIFIERS
#INTERMEDIATE FREQUENCY AMPLIFIERS
RT BEAT FREQUENCIES
CRYSTAL FILTERS
HETERODYNING
LOGARITHMIC RECEIVERS
PREAMPLIFIERS
RADIO RECEIVERS
TRANSISTOR AMPLIFIERS

INTERMEDIATE RANGE BALLISTIC MISSILES
3101 3401
UF IRBM (MISSILES)
GS MISSILES
.BALLISTIC MISSILES
.#INTERMEDIATE RANGE BALLISTIC MISSILES
...BLUE STREAK MISSILE
...JUPITER MISSILE
...POLARIS MISSILES
....POLARIS A1 MISSILE
....POLARIS A2 MISSILE
....POLARIS A3 MISSILE
.SURFACE TO SURFACE MISSILES
.#INTERMEDIATE RANGE BALLISTIC MISSILES
...BLUE STREAK MISSILE
...JUPITER MISSILE
...POLARIS MISSILES
....POLARIS A1 MISSILE
....POLARIS A2 MISSILE
....POLARIS A3 MISSILE
RT FIELD ARMY BALLISTIC MISSILES
FLEET BALLISTIC MISSILES
INTERCONTINENTAL BALLISTIC MISSILES
MARK 1 REENTRY BODY
MARK 2 REENTRY BODY
MARK 3 REENTRY BODY
SHORT RANGE BALLISTIC MISSILES

INTERMETALLICS
1701 1704 2602
SN (COMPOUNDS CONSISTING OF ONLY METALLIC ELEMENTS)
UF ELECTRON COMPOUNDS
RT ALLOYING
ALLOYS
ALUMINIDES
AMMINES
ARSENIDES
BORIDES
INDIUM GALLIUM ARSENIDES
INORGANIC COMPOUNDS
METALLOIDS
METALS
PHASE DIAGRAMS
PHOTOELECTROMAGNETIC EFFECTS
SEMICONDUCTORS (MATERIALS)
SILICIDES
TELLURIDES

INTERMITTENCY
0605 1407 2310 3407
RT CYCLES
PULSES
RANDOM PROCESSES

INTERMITTENCY HYPOTHESIS
1407 2306 2310
GS HYPOTHESES
#INTERMITTENCY HYPOTHESIS
RT PHOTOGRAPHIC RECORDING

INTERMODULATION
0702 0705 1002
GS MODULATION
#INTERMODULATION
RT DEMODULATION
DISCRIMINATORS
FREQUENCY ANALYZERS
FREQUENCY MODULATION
REMODULATION
SOUND-SOUND INTERACTIONS
WAVE INTERACTION

INTERMOLECULAR FORCES
0601 0603 2311 2401 2404 2405
GS LEVEL (QUANTITY)

.ENERGY LEVELS
..MOLECULAR ENERGY LEVELS
..#INTERMOLECULAR FORCES
RT CONFIGURATION INTERACTION
EXCIMERS
LENNARD-JONES POTENTIAL
MOLECULAR INTERACTIONS
MOLECULAR STRUCTURE
VAN DER WAALS FORCES
VIRIAL COEFFICIENTS

INTERMONTANE FLOORS
USE VALLEYS

INTERNAL COMBUSTION ENGINES
1504 2801 3301
SN (EXCLUDES ROCKET ENGINES)
GS ENGINES
#INTERNAL COMBUSTION ENGINES
..DIESEL ENGINES
..GAS TURBINE ENGINES
...HYDROGEN ENGINES
...JET ENGINES
....RAMJET ENGINES
.....INTEGRAL ROCKET RAMJETS
.....LOW VOLUME RAMJET ENGINES
.....PULSEJET ENGINES
.....SUPERSONIC COMBUSTION RAMJET ENGINES
.....TURBORAMJET ENGINES
....T-63 ENGINE
....T-76 ENGINE
....TURBOJET ENGINES
.....BRISTOL-SIDDELEY OLYMPUS 593 ENGINE
.....BRISTOL-SIDDELEY VIPER ENGINE
.....DUCTED FAN ENGINES
.....J-33 ENGINE
.....J-34 ENGINE
.....J-47 ENGINE
.....J-52 ENGINE
.....J-57 ENGINE
.....J-57-P-20 ENGINE
.....J-65 ENGINE
.....J-69-T-25 ENGINE
.....J-71 ENGINE
.....J-73 ENGINE
.....J-75 ENGINE
.....J-79 ENGINE
.....J-85 ENGINE
.....J-93 ENGINE
.....RA-28 ENGINE
.....TURBOFAN ENGINES
.....BRISTOL-SIDDELEY BS 53 ENGINE
.....CF-700 ENGINE
.....CONVERTIBLE FAN-SHAFT ENGINES
.....J-97 ENGINE
.....TF-30 ENGINE
.....TF-41 ENGINE
.....TURBOPROP ENGINES
.....T-34 ENGINE
.....T-38 ENGINE
.....T-53 ENGINE
.....T-56 ENGINE
.....T-64 ENGINE
.....T-74 ENGINE
.....T-78 ENGINE
.....TURBORAMJET ENGINES
...T-58 ENGINE
...T-58-GE-8B ENGINE
..HELICOPTER ENGINES
..ROTARY ENGINES
...WANKEL ENGINES
RT AFTERBURNING
AIRCRAFT ENGINES
AUTOMOBILE ENGINES
AUTOMOBILE FUELS
% BEARING
BEARINGS
BOOSTER ROCKET ENGINES
CAMS
CARBURETORS
COMBUSTION
COMBUSTION CHAMBERS
DIESEL FUELS
DISTRIBUTORS
DUCTED ROCKET ENGINES
ELECTRIC HYBRID VEHICLES
ENGINE PARTS
ENGINE PRIMERS
ENGINE STARTERS
EXHAUST SYSTEMS
EXTERNAL COMBUSTION ENGINES
FUEL CONSUMPTION
FUEL INJECTION
FUEL PUMPS
FUEL SYSTEMS
GAS TURBINES
HYBRID PROPELLANT ROCKET ENGINES
IGNITION SYSTEMS
LIQUID PROPELLANT ROCKET ENGINES
LUBRICATION SYSTEMS
PISTON ENGINES
PISTONS
RETROROCKET ENGINES
ROCKET ENGINES
SOLID PROPELLANT ROCKET ENGINES
SPARK PLUGS
SUPERCHARGERS
SUSTAINER ROCKET ENGINES
THERMODYNAMIC CYCLES
THERMODYNAMIC EFFICIENCY
TORPEDO ENGINES
VERNIER ENGINES

INTERNAL COMPRESSION INLETS
1504 2801
GS INTAKE SYSTEMS
#INTERNAL COMPRESSION INLETS
RT AIR INTAKES
COMPRESSING
ENGINE INLETS
INLET NOZZLES
SUPERSONIC INLETS

INTERNAL CONVERSION
0301
RT % CONVERSION
NUCLEAR REACTIONS

INTERNAL ENERGY
1202 2308 2311 3304
RT CHEMICAL ENERGY
% ENERGY
FREE ENERGY
GIBBS-HELMHOLTZ EQUATIONS
KINETIC ENERGY
% LEVEL
MOLECULAR ENERGY LEVELS
PARTICLE ENERGY
POTENTIAL ENERGY
THERMAL ENERGY
THERMODYNAMICS

INTERNAL FRICTION
1503 1704 2601
GS FRICTION
#INTERNAL FRICTION
RT ANELASTICITY
ATTENUATION
COHESION
DAMPING
DENSITY (MASS/VOLUME)
EDDY VISCOSITY
HYSTERESIS
MECHANICAL PROPERTIES
% PHYSICAL PROPERTIES
PLASTIC FLOW
VISCOSITY

INTERNAL PRESSURE
1202 1203 3203
SN (LIMITED TO PRESSURE INSIDE A PORTION OF MATTER DUE TO ATTRACTION BETWEEN MOLECULES)

GS PRESSURE
#INTERNAL PRESSURE
RT ADHESION
COHESION
GAS PRESSURE
PARTIAL PRESSURE
PRESSURE DISTRIBUTION
SPREADING
TEMPERATURE INVERSIONS

INTERNAL STRESS
USE RESIDUAL STRESS

INTERNAL WAVES
1202
GS #INTERNAL WAVES
.PLANETARY WAVES
RT SURFACE WAVES
% WAVES

INTERNATIONAL COMETARY EXPLORER
USE INTERNATIONAL SUN EARTH EXPLORER 3

INTERNATIONAL COMPUTERS LIMITED
USE ICL COMPUTERS

INTERNATIONAL COOPERATION
3403 3409
GS FOREIGN POLICY
.INTERNATIONAL RELATIONS
.#INTERNATIONAL COOPERATION
...OUTER SPACE TREATY
RT A-300 AIRCRAFT
A-310 AIRCRAFT
A-320 AIRCRAFT
ANIK SATELLITES
ANIK 1
ANIK 2
ANIK 3
APOLLO SOYUZ TEST PROJECT
ARABSAT
ARCOMSAT
AZUR SATELLITE
CASSINI MISSION
CLUSTER MISSION
COMMITTEE ON SPACE RESEARCH
COMMUNICATIONS TECHNOLOGY SATELLITE
CONVENTIONS
% COOPERATION
COSMOS 782 SATELLITE
COSMOS 936 SATELLITE
COSMOS 1129 SATELLITE
DISARMAMENT
EISCAT RADAR SYSTEM (EUROPE)
ESA SATELLITES
EUROPEAN AIRBUS
FEDERATIONS
FRENCH SPACE PROGRAM
INFORMATION TRANSFER
INTEGRATED GLOBAL OCEAN STATION
SYSTEMS
INTERNATIONAL HYDROLOGICAL DECADE
INTERNATIONAL SATELLITE GEODESY
EXPERIMENT
NORTH ATLANTIC TREATY ORGANIZATION
(NATO)
ORBITING FROG OTOLITH
PALAPA SATELLITES
PALAPA 2 SATELLITE
PEACETIME
POLITICS
ROSAT MISSION
SEA LAW
SOHO MISSION
SOVEREIGNTY
SYMPHONIE SATELLITES
U.S.S.R. SPACE PROGRAM
UNITED NATIONS
USER REQUIREMENTS
VEGA PROJECT
WORLD METEOROLOGICAL ORGANIZATION

INTERNATIONAL FIELD YEAR FOR GREAT LAKES
1308 3404 3409
RT CANADA
GREAT LAKES (NORTH AMERICA)
UNITED STATES

INTERNATIONAL GEOPHYSICAL YEAR
1308 3404 3409
UF IGY (GEOPHYSICAL YEAR)
RT GEOPHYSICS
VANGUARD SATELLITES
WORLD DATA CENTERS

INTERNATIONAL GEOSPHERE-BIOSPHERE PROGRAM
0404
GS PROGRAMS
#INTERNATIONAL GEOSPHERE-BIOSPHERE
PROGRAM
RT BIOGEOCHEMISTRY
BIOSPHERE
EARTH OBSERVATIONS (FROM SPACE)
GEOPHYSICS
MAN ENVIRONMENT INTERACTIONS
SOLAR TERRESTRIAL INTERACTIONS

INTERNATIONAL HYDROLOGICAL DECADE
1308 2003
UF IHD (HYDROLOGICAL DECADE)
RT CANADA
FOREIGN POLICY
HYDROLOGY
INTERNATIONAL COOPERATION
INTERNATIONAL RELATIONS
PRECIPITATION (METEOROLOGY)
RIVER BASINS
STREAMS
UNITED STATES
WATER RESOURCES
WATERSHEDS

INTERNATIONAL LAW
3403
GS LAW (JURISPRUDENCE)
#INTERNATIONAL LAW
..AIR LAW
..SEA LAW
..SPACE LAW
RT CONVENTIONS
LEGAL LIABILITY
NATIONS
OUTER SPACE TREATY
PEACETIME
POLITICS
SOVEREIGNTY
UNITED NATIONS
WARFARE

INTERNATIONAL MAGNETOSPHERIC EXPLORER
3001 3009 3107
UF IME SATELLITE
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
..EXPLORER SATELLITES
..#INTERNATIONAL MAGNETOSPHERIC
EXPLORER
RT DELTA LAUNCH VEHICLE
EARTH MAGNETOSPHERE

INTERNATIONAL MAGNETOSPHERIC STUDY
1302 3009
UF IMS
GS INVESTIGATION
#INTERNATIONAL MAGNETOSPHERIC STUDY
RT ATMOSPHERIC PHYSICS
EARTH MAGNETOSPHERE
EUROPEAN SPACE PROGRAMS
GEOMAGNETISM
INTERPLANETARY MAGNETIC FIELDS

INTERNATIONAL PRACTICAL TEMPERATURE
USE TEMPERATURE SCALES

INTERNATIONAL QUIET SUN YEAR

```
  3001 3009 3409
  UF   IQSY (INTERNATIONAL YEAR)
  RT   SOLAR ACTIVITY
       SOLAR CYCLES
       SOLAR PHYSICS

INTERNATIONAL RELATIONS
  3401 3402 3403 3406 3409
  GS   FOREIGN POLICY
       #INTERNATIONAL RELATIONS
       ..INTERNATIONAL COOPERATION
       ...OUTER SPACE TREATY
  RT   APOLLO SOYUZ TEST PROJECT
       INTERNATIONAL HYDROLOGICAL DECADE
       INTERNATIONAL SPACE YEAR
       U.S.S.R. SPACE PROGRAM

INTERNATIONAL SATELLITE CLOUD CLIMATOLOGY
  USE  ISCCP PROJECT

INTERNATIONAL SATELLITE GEODESY EXPERIMENT
  1304 3009 3409
  UF   ISAGEX
  RT   CELESTIAL GEODESY
       EUROPEAN SPACE PROGRAMS
       GEODETIC COORDINATES
       INTERNATIONAL COOPERATION
       SATELLITE TRACKING
       U.S.S.R. SPACE PROGRAM

INTERNATIONAL SATS FOR IONOSPHERIC STUDY
  USE  ISIS SATELLITES

INTERNATIONAL SOLAR POLAR MISSION
  USE  ULYSSES MISSION

INTERNATIONAL SPACE YEAR
  3004 3007 3009 3409
  UF   ISY
  RT % AEROSPACE SCIENCES
       INTERNATIONAL RELATIONS
       NASA SPACE PROGRAMS
       SPACE EXPLORATION
       SPACE PROGRAMS

INTERNATIONAL SUN EARTH EXPLORER 1
  3107
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..EXPLORER SATELLITES
       ...INTERNATIONAL SUN EARTH
          EXPLORERS
       ...#INTERNATIONAL SUN EARTH
           EXPLORER 1

INTERNATIONAL SUN EARTH EXPLORER 2
  3107
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..EXPLORER SATELLITES
       ...INTERNATIONAL SUN EARTH
          EXPLORERS
       ...#INTERNATIONAL SUN EARTH
           EXPLORER 2

INTERNATIONAL SUN EARTH EXPLORER 3
  3106
  UF   INTERNATIONAL COMETARY EXPLORER
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..EXPLORER SATELLITES
       ...INTERNATIONAL SUN EARTH
          EXPLORERS
       ...#INTERNATIONAL SUN EARTH
           EXPLORER 3

INTERNATIONAL SUN EARTH EXPLORERS
  3107 3409
  UF   ISEE
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..EXPLORER SATELLITES
       ..#INTERNATIONAL SUN EARTH
          EXPLORERS
       ....INTERNATIONAL SUN EARTH
           EXPLORER 1
       ....INTERNATIONAL SUN EARTH
           EXPLORER 2
       ....INTERNATIONAL SUN EARTH
           EXPLORER 3

INTERNATIONAL SYSTEM OF UNITS
  1406 2311
  UF   METRIC SYSTEM
       SI
  GS   UNITS OF MEASUREMENT
       #INTERNATIONAL SYSTEM OF UNITS
  RT   CONVERSION TABLES
     % MEASUREMENT
       MEASURING INSTRUMENTS
       METRICATION
       METROLOGY
     % SYSTEMS

INTERNATIONAL TRADE
  3402 3403
  UF   EXPORTS
       FOREIGN TRADE
  RT   ECONOMICS
       REVENUE

INTERNATIONAL ULTRAVIOLET EXPLORER
  USE  IUE

INTERNETS
  0702 0803 0902 3405
  SN   (REFERS TO ANY INTERLINKED SYSTEM
       OF SEPARATE COMPUTER NETWORKS)
  GS   COMMUNICATION NETWORKS
       #INTERNETS
       ..ARPA COMPUTER NETWORK
       COMPUTER NETWORKS
       #INTERNETS
       ..ARPA COMPUTER NETWORK
  RT   ELECTRONIC BULLETIN BOARDS
       ELECTRONIC MAIL
     % NETWORKS

INTERNUCLEAR PROPERTIES
  0406 2405 3408
  RT   MOLECULAR INTERACTIONS
     % MOLECULAR PHYSICS

INTERORBITAL TRAJECTORIES
  3006 3007 3009 3110 3409
  GS   TRAJECTORIES
       #INTERORBITAL TRAJECTORIES
  RT   INTERPLANETARY TRAJECTORIES
       ROUND TRIP TRAJECTORIES
       SPACECRAFT TRAJECTORIES

INTERPERSONAL RELATIONS
  USE  HUMAN RELATIONS

INTERPHONES
  0701 0702 0904
  GS   COMMUNICATION EQUIPMENT
       #INTERPHONES
  RT   EARPHONES
       MICROPHONES
       TELECOMMUNICATION

INTERPLANETARY COMMUNICATION
  0702 0707 0708 3007
  GS   TELECOMMUNICATION
       .SPACE COMMUNICATION
       .#INTERPLANETARY COMMUNICATION
  RT   CIRCUMLUNAR COMMUNICATION
       EXTRATERRESTRIAL COMMUNICATION
       FACSIMILE COMMUNICATION
       LASERS
       LUNAR COMMUNICATION
       OPTICAL COMMUNICATION
       RADIO COMMUNICATION
       SATELLITE COMMUNICATION
```

SPACECRAFT COMMUNICATION

INTERPLANETARY DUST
3003 3005 3009
GS MEDIA
.INTERPLANETARY MEDIUM
.#INTERPLANETARY DUST
...METEOROID DUST CLOUDS
....ZODIACAL DUST
PARTICLES
.DUST
..COSMIC DUST
..#INTERPLANETARY DUST
....METEOROID DUST CLOUDS
.....ZODIACAL DUST
RT METEOROIDS
MICROMETEOROIDS

INTERPLANETARY EXPLORER
USE EXPLORER 18 SATELLITE

INTERPLANETARY FLIGHT
3007 3009 3409
UF PLANETARY SPACE FLIGHT
GS SPACE FLIGHT
#INTERPLANETARY FLIGHT
RT ASTEROID MISSIONS
ASTRODYNAMICS
EARTH-VENUS TRAJECTORIES
FLYBY MISSIONS
INTERSTELLAR SPACECRAFT
LONG DURATION SPACE FLIGHT
MANNED MARS MISSIONS
MANNED SPACE FLIGHT
MARINER JUPITER-SATURN FLYBY
MARINER JUPITER-URANUS FLYBY
MARINER MARK 2 SPACECRAFT
MATTER-ANTIMATTER PROPULSION
NEGATIVE MATTER PROPULSION
ORBITS
OUTER PLANETS EXPLORERS
PLANETARY LANDING
RETURN TO EARTH SPACE FLIGHT
ROUND TRIP TRAJECTORIES
SPACE EXPLORATION
SPACE NAVIGATION
SPACECRAFT GUIDANCE
TOPS (SPACECRAFT)

INTERPLANETARY GAS
1203 3005 3009
GS EXTRATERRESTRIAL MATTER
.COSMIC GASES
.#INTERPLANETARY GAS
GASES
.RAREFIED GASES
..COSMIC GASES
..#INTERPLANETARY GAS
MEDIA
.INTERPLANETARY MEDIUM
.#INTERPLANETARY GAS
RT COSMIC PLASMA
INTERSTELLAR GAS
NEUTRAL GASES
SOLAR WIND

INTERPLANETARY MAGNETIC FIELDS
2307 2402 3003 3009
GS MAGNETIC FIELDS
#INTERPLANETARY MAGNETIC FIELDS
RT CHAPMAN-FERRARO PROBLEM
FLUX TRANSFER EVENTS
INTERNATIONAL MAGNETOSPHERIC STUDY
MAGNETIC CLOUDS
MAGNETIC FIELD RECONNECTION
SOLAR MAGNETIC FIELD

INTERPLANETARY MEDIUM
3008 3009
GS MEDIA
#INTERPLANETARY MEDIUM
..INTERPLANETARY DUST
...METEOROID DUST CLOUDS
....ZODIACAL DUST
..INTERPLANETARY GAS
RT MAGNETIC CLOUDS
MASS DISTRIBUTION
METEOROIDS
PLASMA CLOUDS
SOLAR WIND

INTERPLANETARY MONITORING PLATFORM
USE IMP

INTERPLANETARY NAVIGATION
3007 3503 3502
GS NAVIGATION
.SPACE NAVIGATION
.#INTERPLANETARY NAVIGATION
RT ASTRONAVIGATION
CELESTIAL NAVIGATION
CELESTIAL REFERENCE SYSTEMS
RADAR NAVIGATION
RADIO NAVIGATION

INTERPLANETARY PROPULSION
USE INTERPLANETARY SPACECRAFT
ROCKET ENGINES

INTERPLANETARY SPACE
3002 3009
UF TRANSLUNAR SPACE
GS ENVIRONMENTS
.AEROSPACE ENVIRONMENTS
..DEEP SPACE
..#INTERPLANETARY SPACE
.EXTRATERRESTRIAL ENVIRONMENTS
..DEEP SPACE
..#INTERPLANETARY SPACE
RT CISLUNAR SPACE
HELIOSPHERE
INTERSTELLAR SPACE
POLAR CUSPS

INTERPLANETARY SPACECRAFT
3007 3110
UF INTERPLANETARY PROPULSION
PLANETARY SPACECRAFT
GS #INTERPLANETARY SPACECRAFT
.EXPLORER 18 SATELLITE
.JUPITER PROBES
..GALILEO PROBE
..GALILEO SPACECRAFT
.MARINER SPACE PROBES
..MARINER R 2 SPACE PROBE
..MARINER 1 SPACE PROBE
..MARINER 2 SPACE PROBE
..MARINER 3 SPACE PROBE
..MARINER 4 SPACE PROBE
..MARINER 5 SPACE PROBE
..MARINER 6 SPACE PROBE
..MARINER 7 SPACE PROBE
..MARINER 8 SPACE PROBE
..MARINER 9 SPACE PROBE
..MARINER 10 SPACE PROBE
..MARINER 11 SPACE PROBE
.MARINER SPACECRAFT
..MARINER C SPACECRAFT
..MARINER VENUS 67 SPACECRAFT
.MARS PROBES
..ADVANCED RECONN ELECTRIC SPACECRAFT
..MARINER 3 SPACE PROBE
..MARINER 4 SPACE PROBE
..MARINER 6 SPACE PROBE
..MARINER 7 SPACE PROBE
..MARINER 8 SPACE PROBE
..MARINER 9 SPACE PROBE
..MARS OBSERVER
..MARS 1 SPACECRAFT
..MARS 2 SPACECRAFT
..MARS 3 SPACECRAFT
..MARS 4 SPACECRAFT
..MARS 5 SPACECRAFT
..MARS 6 SPACECRAFT

..MARS 7 SPACECRAFT
..VIKING SPACECRAFT
...VIKING LANDER SPACECRAFT
....VIKING LANDER 1
....VIKING LANDER 2
...VIKING ORBITER SPACECRAFT
....VIKING ORBITER 1
....VIKING ORBITER 2
....VIKING ORBITER 1975
...VIKING 1 SPACECRAFT
....VIKING LANDER 1
....VIKING ORBITER 1
...VIKING 2 SPACECRAFT
....VIKING LANDER 2
....VIKING ORBITER 2
..VIKING 1975 ENTRY VEHICLE
..ZOND 2 SPACE PROBE
.PIONEER SPACE PROBES
..PIONEER VENUS 2 ENTRY PROBES
...PIONEER VENUS 2 NIGHT PROBE
...PIONEER VENUS 2 SOUNDER PROBE
..PIONEER 1 SPACE PROBE
..PIONEER 2 SPACE PROBE
..PIONEER 3 SPACE PROBE
..PIONEER 4 SPACE PROBE
..PIONEER 5 SPACE PROBE
..PIONEER 6 SPACE PROBE
..PIONEER 7 SPACE PROBE
..PIONEER 8 SPACE PROBE
..PIONEER 9 SPACE PROBE
..PIONEER 10 SPACE PROBE
..PIONEER 11 SPACE PROBE
.PIONEER VENUS SPACECRAFT
..PIONEER VENUS 1 SPACECRAFT
..PIONEER VENUS 2 SPACECRAFT
...PIONEER VENUS 2 TRANSPORTER BUS
.TOPS (SPACECRAFT)
.VENUS PROBES
..MAGELLAN SPACECRAFT (NASA)
..MARINER 1 SPACE PROBE
..MARINER 2 SPACE PROBE
..MARINER 5 SPACE PROBE
..MARINER 10 SPACE PROBE
..PIONEER VENUS 2 SPACECRAFT
...PIONEER VENUS 2 TRANSPORTER BUS
..VENERA SATELLITES
...VENERA 2 SATELLITE
...VENERA 3 SATELLITE
...VENERA 4 SATELLITE
...VENERA 5 SATELLITE
...VENERA 6 SATELLITE
...VENERA 7 SATELLITE
...VENERA 8 SATELLITE
...VENERA 9 SATELLITE
...VENERA 10 SATELLITE
...VENERA 11 SATELLITE
...VENERA 12 SATELLITE
..ZOND 1 SPACE PROBE
..ZOND 3 SPACE PROBE
..ZOND 4 SPACE PROBE
..ZOND 5 SPACE PROBE
..ZOND 6 SPACE PROBE
..ZOND 7 SPACE PROBE
..ZOND 8 SPACE PROBE
.VOYAGER 1 SPACECRAFT
.VOYAGER 2 SPACECRAFT
.ZOND SPACE PROBES
..ZOND 1 SPACE PROBE
..ZOND 2 SPACE PROBE
..ZOND 3 SPACE PROBE
..ZOND 4 SPACE PROBE
..ZOND 5 SPACE PROBE
..ZOND 6 SPACE PROBE
..ZOND 7 SPACE PROBE
..ZOND 8 SPACE PROBE
RT ARTIFICIAL SATELLITES
INTERSTELLAR SPACECRAFT
LANDING MODULES
MANEUVERABLE SPACECRAFT
MANNED MARS MISSIONS
MANNED SPACECRAFT
MATTER-ANTIMATTER PROPULSION
RENDEZVOUS SPACECRAFT
REUSABLE SPACECRAFT
SPACE CAPSULES
SPACE EXPLORATION
SPACE PROBES
% SPACECRAFT
UNMANNED SPACECRAFT
VOYAGER 1977 MISSION

INTERPLANETARY TRAJECTORIES
1904 3006 3007
GS TRAJECTORIES
.SPACECRAFT TRAJECTORIES
.#INTERPLANETARY TRAJECTORIES
...EARTH-MARS TRAJECTORIES
...EARTH-MERCURY TRAJECTORIES
RT EARTH-MOON TRAJECTORIES
EARTH-VENUS TRAJECTORIES
GODDARD TRAJECTORY DETERMINATION SYSTEM
INTERORBITAL TRAJECTORIES
ORBITAL LAUNCHING
ORBITAL MECHANICS
PARKING ORBITS
PLANETARY ORBITS
RENDEZVOUS TRAJECTORIES
ROUND TRIP TRAJECTORIES
SOLAR ORBITS
SPACE NAVIGATION
SPACECRAFT GUIDANCE
TRANSFER ORBITS
VIKING LANDER SPACECRAFT
VIKING LANDER 1
VIKING LANDER 2
VIKING ORBITER SPACECRAFT
VIKING ORBITER 1
VIKING ORBITER 2
VIKING 1 SPACECRAFT
VIKING 2 SPACECRAFT

INTERPLANETARY TRANSFER ORBITS
1904 3006 3007
GS ORBITS
.ELLIPTICAL ORBITS
..TRANSFER ORBITS
..#INTERPLANETARY TRANSFER ORBITS
.SPACECRAFT ORBITS
..TRANSFER ORBITS
..#INTERPLANETARY TRANSFER ORBITS
RT AEROASSIST
AEROBRAKING
AEROCAPTURE
AEROMANEUVERING
ORBITAL MECHANICS
SWINGBY TECHNIQUE

INTERPOLATION
0802 1902 1905 3501
GS ANALYSIS (MATHEMATICS)
.NUMERICAL ANALYSIS
.#INTERPOLATION
RT COMMUTATION
COMPUTATION
EXTRAPOLATION
FINITE DIFFERENCE THEORY
STATISTICAL ANALYSIS

INTERPOLATORS
USE REPEATERS

% INTERPRETATION
0702 0703 0802 1407 3407
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT DECODING
INTELLIGIBILITY
PERCEPTION
PHOTOINTERPRETATION
READING
RECOGNITION
SYNTAX
TRANSLATING

INTERPROCESSOR COMMUNICATION
0801
RT COMPUTER NETWORKS
COMPUTER SYSTEMS DESIGN
CONNECTION MACHINE
DINING PHILOSOPHERS PROBLEM
HYPERCUBE MULTIPROCESSORS
LOCAL AREA NETWORKS
MIMD (COMPUTERS)
MULTIPROCESSING (COMPUTERS)
PARALLEL PROCESSING (COMPUTERS)
SIMD (COMPUTERS)
TRANSMISSION RATE (COMMUNICATIONS)
TRANSPUTERS
VSAT (NETWORK)

INTERRELATIONSHIPS
USE RELATIONSHIPS

INTERROGATION
0702 0705
RT DATA PROCESSING
IFF SYSTEMS (IDENTIFICATION)
SECONDARY RADAR
TRANSMITTER RECEIVERS
TRANSPONDERS

INTERRUPTION
0705 0710
RT ELECTRIC RELAYS
PACKET SWITCHING
SEQUENCING
SWITCHES
SWITCHING

INTERSECTIONS
1902
SN (EXCLUDES BOOLEAN LOGICAL PRODUCTS)
RT CROSSINGS
CROSSOVERS
HIGHWAYS
% JUNCTIONS
RAMPS (STRUCTURES)
ROADS
STREETS
TRANSPORTATION NETWORKS

INTERSERVICE DATA EXCHANGE PROGRAM
3401 3404 3405
UF IDEP (DATA EXCHANGE)
RT % DATA
DATA RETRIEVAL
DATA STORAGE
INFORMATION RETRIEVAL
LIBRARIES
MILITARY TECHNOLOGY
RESEARCH

INTERSTELLAR CHEMISTRY
3001
RT ASSOCIATION REACTIONS
CHEMICAL REACTIONS
% CHEMISTRY
COSMOCHEMISTRY
FORMYL IONS
INTERSTELLAR MATTER
MOLECULAR CLOUDS
MOLECULAR INTERACTIONS
REACTION KINETICS

INTERSTELLAR COMMUNICATION
0702 0707
GS COMMUNICATING
#INTERSTELLAR COMMUNICATION
RT EXTRATERRESTRIAL INTELLIGENCE
RADIO COMMUNICATION
SPACE COMMUNICATION

INTERSTELLAR EXTINCTION
2306 2310 2402 2903 3001 3003
UF INTERSTELLAR REDDENING
GS EXTINCTION
#INTERSTELLAR EXTINCTION
RT ASTROPHYSICS
EVOLUTION (DEVELOPMENT)
INTERSTELLAR GAS
RADIATION ABSORPTION
STELLAR EVOLUTION
STELLAR RADIATION

INTERSTELLAR GAS
1203 3003 3005 3009
GS EXTRATERRESTRIAL MATTER
.COSMIC GASES
.#INTERSTELLAR GAS
.INTERSTELLAR MATTER
.#INTERSTELLAR GAS
GASES
.RAREFIED GASES
..COSMIC GASES
..#INTERSTELLAR GAS
RT COOLING FLOWS (ASTROPHYSICS)
GALACTIC HALOS
H I REGIONS
H II REGIONS
HELIOSPHERE
INTERPLANETARY GAS
INTERSTELLAR EXTINCTION
MAGNETIC CLOUDS
METHYLIDYNE
MOLECULAR CLOUDS
NEUTRAL GASES
OPHIUCHI CLOUDS
ORION NEBULA
SPIN TEMPERATURE
STAR FORMATION
STELLAR MASS ACCRETION
STELLAR WINDS

INTERSTELLAR MAGNETIC FIELDS
2307 2402 3003 3009
UF GALACTIC MAGNETIC FIELDS
GS MAGNETIC FIELDS
#INTERSTELLAR MAGNETIC FIELDS
RT MAGNETIC CLOUDS
STELLAR MAGNETIC FIELDS

INTERSTELLAR MASERS
1601 2901 3002
GS STIMULATED EMISSION DEVICES
.MASERS
.#INTERSTELLAR MASERS
RT COHERENT ELECTROMAGNETIC RADIATION
GAS MASERS
LASERS
MICROWAVE AMPLIFIERS
MOLECULAR CLOUDS
RADIATION SOURCES
STIMULATED EMISSION
WATER MASERS

INTERSTELLAR MATTER
0603 3001 3009
GS EXTRATERRESTRIAL MATTER
#INTERSTELLAR MATTER
..DARK MATTER
..INTERSTELLAR GAS
RT CELESTIAL BODIES
COSMIC DUST
FORMYL IONS
H I REGIONS
H II REGIONS
INFRARED CIRRUS (ASTRONOMY)
INTERSTELLAR CHEMISTRY
MASS DISTRIBUTION
METALLICITY
METHYLIDYNE
MOLECULAR CLOUDS
NEBULAE
OPHIUCHI CLOUDS
ORION NEBULA
REFLECTION NEBULAE
SPIN TEMPERATURE
STAR FORMATION

STELLAR ENVELOPES
STELLAR MASS ACCRETION

INTERSTELLAR MICROWAVE SPECTRA
USE INTERSTELLAR RADIATION
MICROWAVE SPECTRA

INTERSTELLAR RADIATION
2306 2402 2901 2903
UF INTERSTELLAR MICROWAVE SPECTRA
GS EXTRATERRESTRIAL RADIATION
#INTERSTELLAR RADIATION
RT CORPUSCULAR RADIATION
COSMIC NOISE
COSMIC RAYS
ELECTROMAGNETIC RADIATION
GALACTIC RADIATION
GAMMA RAY BURSTS
% RADIATION
RADIATIVE TRANSFER
STELLAR RADIATION

INTERSTELLAR REDDENING
USE INTERSTELLAR EXTINCTION

INTERSTELLAR SPACE
3001 3009
GS ENVIRONMENTS
.AEROSPACE ENVIRONMENTS
..DEEP SPACE
..#INTERSTELLAR SPACE
.EXTRATERRESTRIAL ENVIRONMENTS
..DEEP SPACE
..#INTERSTELLAR SPACE
RT INTERPLANETARY SPACE

INTERSTELLAR SPACECRAFT
3009 3110 3409
RT INTERPLANETARY FLIGHT
INTERPLANETARY SPACECRAFT
INTERSTELLAR TRAVEL
SPACE EXPLORATION

INTERSTELLAR TRAVEL
3009 3409
GS SPACE FLIGHT
#INTERSTELLAR TRAVEL
RT ASTRONAVIGATION
CELESTIAL REFERENCE SYSTEMS
EXTRATERRESTRIAL INTELLIGENCE
INTERSTELLAR SPACECRAFT
LONG DURATION SPACE FLIGHT
MANNED SPACE FLIGHT
MATTER-ANTIMATTER PROPULSION
NEGATIVE MATTER PROPULSION

INTERSTICES
1704 2403 2601
RT CAVITIES
CRACKS
GRAIN BOUNDARIES
PERCOLATION
PERMEABILITY
PINHOLES
POROSITY
POROUS MATERIALS
VOIDS

INTERSTITIALS
0404 2601 3203
RT ADDITIVES
CRYSTAL DEFECTS
CRYSTAL STRUCTURE
GRAIN BOUNDARIES

INTERSYMBOLIC INTERFERENCE
0702 0705
RT DATA TRANSMISSION
% INTERFERENCE
SIGNAL DISTORTION
TRANSMISSION EFFICIENCY

INTERTROPICAL CONVERGENT ZONES
1305 2001 2003
GS REGIONS
#INTERTROPICAL CONVERGENT ZONES
RT ATMOSPHERIC CIRCULATION
FRONTS (METEOROLOGY)
GARP ATLANTIC TROPICAL EXPERIMENT
TROPICAL METEOROLOGY
TROPICAL REGIONS
ZONAL FLOW (METEOROLOGY)

INTERVALS
1902 2311
RT ALTERNATIONS
CONSECUTIVE EVENTS
SPACING
STEP FUNCTIONS
TIME
TOPOLOGY

INTERVEHICLE SPACECREW TRANSFER
USE SPACECREW TRANSFER

INTERVERTEBRAL DISKS
0404 0405
GS DISKS (SHAPES)
#INTERVERTEBRAL DISKS
RT % DISKS
MUSCULOSKELETAL SYSTEM
VERTEBRAE

INTESTINES
0404
GS ANATOMY
.DIGESTIVE SYSTEM
..GASTROINTESTINAL SYSTEM
..#INTESTINES
....RECTUM
RT ABDOMEN
APPENDIX (ANATOMY)
COLIC

INTOXICATION
0405 0408 0412
RT % POISONING
TOXICITY AND SAFETY HAZARD
TOXICOLOGY

INTRACRANIAL CAVITY
0404 0405
GS ANATOMY
.HEAD (ANATOMY)
..SKULL
...CRANIUM
...#INTRACRANIAL CAVITY
.MUSCULOSKELETAL SYSTEM
..BONES
...SKULL
....CRANIUM
....#INTRACRANIAL CAVITY

INTRACRANIAL PRESSURE
0405 0408
GS PRESSURE
#INTRACRANIAL PRESSURE
RT BRAIN

INTRAMOLECULAR STRUCTURES
0603 2401 2404
RT MOLECULAR STRUCTURE
% STRUCTURES

INTRAOCULAR PRESSURE
0401 0404 0408
UF TONOMETRY
GS PRESSURE
#INTRAOCULAR PRESSURE
RT GLAUCOMA

INTRAORBIT TRANSFER VEHICLES
3110
RT COLUMBUS SPACE STATION
LARGE SPACE STRUCTURES

```
      SPACE PLATFORMS
      SPACE SHUTTLES
    % VEHICLES

INTRAVASCULAR SYSTEM
  0404
  RT   BLOOD CIRCULATION
     % SYSTEMS

INTRAVEHICULAR ACTIVITY
  0401 0408 0502 0504 0506
  RT % ACTIVITY
       ASTRONAUT LOCOMOTION
       ASTRONAUT MANEUVERING EQUIPMENT
       ASTRONAUT PERFORMANCE
       EXTRAVEHICULAR ACTIVITY
       HUMAN PERFORMANCE
       MANNED SPACE FLIGHT
       PILOT PERFORMANCE
       SPACECRAFT ENVIRONMENTS
       WEIGHTLESSNESS

INTRAVENOUS PROCEDURES
  0401 0405
  RT   CATHETERIZATION
       MEDICAL SERVICES

INTROVERSION
  0408 0410
  RT % DEPRESSION
       DETACHMENT
       HUMAN BEHAVIOR
     % INHIBITION
       PSYCHOLOGY

INTRUDER AIRCRAFT
  USE  A-6 AIRCRAFT

INTRUSION
  1504 3407
  RT   CONTAMINATION
       EXTRUDING
       LEAKAGE
       SEEPAGE

INVADER AIRCRAFT
  USE  B-26 AIRCRAFT

INVALIDITY
  USE  ERRORS

INVARIANCE
  1902
  GS  #INVARIANCE
       .GAUGE INVARIANCE
  RT % CONSTANT
       LORENTZ TRANSFORMATIONS

INVARIANT IMBEDDINGS
  1203 1902
  GS   GEOMETRY
       .TOPOLOGY
       ..IMBEDDINGS (MATHEMATICS)
       ..#INVARIANT IMBEDDINGS
  RT   ANISOTROPIC FLUIDS
       CALCULUS OF VARIATIONS
       CONFORMAL MAPPING
       COORDINATE TRANSFORMATIONS
       DIFFERENTIAL GEOMETRY
     % IMBEDDINGS
       ISOTROPIC TURBULENCE

INVENTIONS
  3404
  RT   PATENT APPLICATIONS
       PATENT POLICY
       PATENTS
       PRODUCT DEVELOPMENT

INVENTORIES
  3402 3406
  GS  #INVENTORIES
       .CROP INVENTORIES
       .TIMBER INVENTORY
  RT   LARGE AREA CROP INVENTORY
       EXPERIMENT
       RESERVES
     % STORAGE

INVENTORY CONTROLS
  3402 3406 4001
  GS   MANAGEMENT
       .INDUSTRIAL MANAGEMENT
       ..INVENTORY MANAGEMENT
       ..#INVENTORY CONTROLS
       .LOGISTICS MANAGEMENT
       ..INVENTORY MANAGEMENT
       ..#INVENTORY CONTROLS
  RT % CONTROL
       DISTRIBUTING
       MATHEMATICAL MODELS
       OPTIMAL CONTROL
       RESERVES
       RISK
     % STORAGE
       TIME LAG

INVENTORY MANAGEMENT
  1502 3401 3404 3406 4001
  GS   MANAGEMENT
       .INDUSTRIAL MANAGEMENT
       .#INVENTORY MANAGEMENT
       ...INVENTORY CONTROLS
       .LOGISTICS MANAGEMENT
       .#INVENTORY MANAGEMENT
       ...INVENTORY CONTROLS
  RT   DOWNTIME
       LOGISTICS
       PROCUREMENT MANAGEMENT
       RESOURCES
       RETIREMENT FOR CAUSE
       SERVICES
       SPARE PARTS
       STOCKPILING
     % STORAGE

INVERSE KINEMATICS
  1202 2308
  GS   KINEMATICS
       #INVERSE KINEMATICS
  RT   DYNAMIC CONTROL
       FEEDBACK CONTROL
       MANIPULATORS
       ROBOT CONTROL
       ROBOT DYNAMICS
       ROBOTICS

INVERSE SCATTERING
  1701
  GS   SCATTERING
       #INVERSE SCATTERING
  RT   FORWARD SCATTERING
       RESONANCE SCATTERING

INVERSIONS
  0503 1902 3203
  GS  #INVERSIONS
       .MAGNETIC FIELD INVERSIONS
       .POPULATION INVERSION
       .TEMPERATURE INVERSIONS
       ..CENTRIFUGING STRESS

INVERTEBRATES
  0402 0404
  GS   ANIMALS
       #INVERTEBRATES
       ..ARTHROPODS
       ...ARTEMIA
       ...CRABS
       ...INSECTS
       ....BEES
       ....BOLLWORMS
       ....CHIRONOMUS FLIES
       ....COCKROACHES
       ....COLEOPTERA
```

.....BEETLES
.....TRIBOLIA
.....BOLL WEEVILS
....CRICKETS
....DROSOPHILA
....FIREFLIES
....GRASSHOPPERS
....LOCUSTS
....MOTHS
.....SILKWORMS
...SPIDERS
..MOLLUSKS
...CEPHALOPODS
....OCTOPUSES
...SNAILS
..ROTIFERA
..SEA URCHINS
..WORMS
...FLATWORMS
RT BACTERIA
HEMOCYTES
LARVAE
MICROORGANISMS
POIKILOTHERMIA

INVERTED CONVERTERS (DC TO AC)
0903 0904 0905
RT ALTERNATING CURRENT
% CONVERTERS
CURRENT CONVERTERS (AC TO DC)
DIRECT CURRENT
ELECTRIC CURRENT

INVERTERS
0801 0902 0904
SN (EXCLUDES AC TO DC INVERTERS)
GS #INVERTERS
.STATIC INVERTERS
RT ATTENUATORS
OSCILLATORS

INVESTIGATION
3406 3407 3409
UF STUDIES
GS #INVESTIGATION
.ACCIDENT INVESTIGATION
..AIRCRAFT ACCIDENT INVESTIGATION
.INTERNATIONAL MAGNETOSPHERIC STUDY
RT EXAMINATION
EXPERIMENTATION
EXPLORATION
GEOPHYSICAL FLUID FLOW CELLS
OSS-1 PAYLOAD
PROGRAMS
RESEARCH
RESEARCH AND DEVELOPMENT
SAMPLING
UNIVERSITY PROGRAM

% INVESTMENT
1504 1507 1704 3402 3404
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT COMMERCE
INVESTMENT CASTING
INVESTMENTS

INVESTMENT CASTING
1701 1704
UF LOST WAX PROCESS
GS FORMING TECHNIQUES
.CASTING
.#INVESTMENT CASTING
RT CENTRIFUGAL CASTING
% INVESTMENT

INVESTMENTS
3402
RT DEPRECIATION
ECONOMIC IMPACT
ECONOMICS
FINANCE
% INVESTMENT

INVISCID FLOW
1202 1203
UF NONVISCOUS FLOW
GS FLUID FLOW
#INVISCID FLOW
..STAGNATION FLOW
RT AERODYNAMICS
CROCCO METHOD
CROCCO-LEE THEORY
% FLOW
FLOW CHARACTERISTICS
GAS FLOW
LAMINAR FLOW
POTENTIAL FLOW
PRANDTL NUMBER
REYNOLDS NUMBER
STAGNATION TEMPERATURE
TURBULENT FLOW
VISCOUS FLOW

INVISIBILITY
USE VISIBILITY

INVOLUNTARINESS
USE INVOLUNTARY ACTIONS

INVOLUNTARY ACTIONS
0404 0503
UF INVOLUNTARINESS
RT AUTONOMIC NERVOUS SYSTEM
SNEEZING
SPASMS
TWITCHING

IO
3001 3005 3008
GS CELESTIAL BODIES
.NATURAL SATELLITES
..JUPITER SATELLITES
...GALILEAN SATELLITES
...#IO
RT CALLISTO
CHARON
GANYMEDE
JUPITER (PLANET)

IODATES
0603 1804
GS HALOGEN COMPOUNDS
.IODINE COMPOUNDS
.#IODATES
...LITHIUM IODATES

IODIDES
0603 1804 1808
GS HALOGEN COMPOUNDS
.IODINE COMPOUNDS
.#IODIDES
...CESIUM IODIDES
...GALLAMINE TRIETHIODIDE
...HAFNIUM IODIDES
...NIOBIUM IODIDES
...POTASSIUM IODIDES
...SILVER IODIDES
...SODIUM IODIDES
...ZIRCONIUM IODIDES

IODIMETRY
0601
GS CHEMICAL TESTS
.CHEMICAL ANALYSIS
.#IODIMETRY
RT QUANTITATIVE ANALYSIS
% REDUCTION
TITRATION

IODINE
0603 1807
GS CHEMICAL ELEMENTS
.HALOGENS

```
      .#IODINE
      ...IODINE ISOTOPES
      ....IODINE 125
      ....IODINE 131
      ....IODINE 132

IODINE COMPOUNDS
  0603 1804
  GS   HALOGEN COMPOUNDS
       #IODINE COMPOUNDS
       ..IODATES
       ...LITHIUM IODATES
       ..IODIDES
       ...CESIUM IODIDES
       ...GALLAMINE TRIETHIODIDE
       ...HAFNIUM IODIDES
       ...NIOBIUM IODIDES
       ...POTASSIUM IODIDES
       ...SILVER IODIDES
       ...SODIUM IODIDES
       ...ZIRCONIUM IODIDES
       ..IODOACETIC ACID
  RT % CHEMICAL COMPOUNDS
       HALOCARBONS

IODINE ISOTOPES
  0603 1807 2406
  GS   CHEMICAL ELEMENTS
       .HALOGENS
       ..IODINE
       ..#IODINE ISOTOPES
       ....IODINE 125
       ....IODINE 131
       ....IODINE 132
       .NUCLIDES
       ..ISOTOPES
       ..#IODINE ISOTOPES
       ....IODINE 125
       ....IODINE 131
       ....IODINE 132

IODINE LASERS
  1601
  GS   STIMULATED EMISSION DEVICES
       .LASERS
       .#IODINE LASERS

IODINE 125
  0603 1807 2406
  GS   CHEMICAL ELEMENTS
       .HALOGENS
       ..IODINE
       ...IODINE ISOTOPES
       ...#IODINE 125
       .NUCLIDES
       ..ISOTOPES
       ...IODINE ISOTOPES
       ...#IODINE 125
       ...RADIOACTIVE ISOTOPES
       ...#IODINE 125

IODINE 131
  0603 1807 2406
  GS   CHEMICAL ELEMENTS
       .HALOGENS
       ..IODINE
       ...IODINE ISOTOPES
       ...#IODINE 131
       .NUCLIDES
       ..ISOTOPES
       ...IODINE ISOTOPES
       ...#IODINE 131
       ...RADIOACTIVE ISOTOPES
       ...#IODINE 131

IODINE 132
  0603 1807 2406
  GS   CHEMICAL ELEMENTS
       .HALOGENS
       ..IODINE
       ...IODINE ISOTOPES
       ...#IODINE 132
       .NUCLIDES
       ..ISOTOPES
       ...IODINE ISOTOPES
       ...#IODINE 132
       ...RADIOACTIVE ISOTOPES
       ...#IODINE 132

IODOACETIC ACID
  0403 1808
  GS   ACIDS
       .CARBOXYLIC ACIDS
       ..FATTY ACIDS
       ...ACETIC ACID
       ...#IODOACETIC ACID
       HALOGEN COMPOUNDS
       .IODINE COMPOUNDS
       .#IODOACETIC ACID
       ORGANIC COMPOUNDS
       .CARBOXYLIC ACIDS
       ..FATTY ACIDS
       ...ACETIC ACID
       ...#IODOACETIC ACID

ION ACCELERATORS
  2403 2405 3404
  GS   PARTICLE ACCELERATORS
       #ION ACCELERATORS
  RT % ACCELERATORS
       SYNCHROTRONS

ION ACOUSTIC WAVES
  1804 2308 2402 2502
  GS   ELASTIC WAVES
       .SOUND WAVES
       .#ION ACOUSTIC WAVES
  RT   PLASMA OSCILLATIONS
       PLASMA WAVES
       WAVE PROPAGATION

ION ATOM INTERACTIONS
  0602 1804 2401 2404
  GS   PARTICLE INTERACTIONS
       #ION ATOM INTERACTIONS
  RT   ATOMIC INTERACTIONS
       CHARGE EXCHANGE
       ELEMENTARY PARTICLE INTERACTIONS
     % INTERACTIONS

ION BEAMS
  1002 2403 2502
  GS   BEAMS (RADIATION)
       .PARTICLE BEAMS
       .#ION BEAMS
       ION CURRENTS
       #ION BEAMS
  RT   ATOMIC BEAMS
       BEAM INJECTION
       BEAM NEUTRALIZATION
       INERTIAL FUSION (REACTOR)
       MOLECULAR BEAMS

ION CHAMBERS
  USE  IONIZATION CHAMBERS

ION CHARGE
  0603 1804 2304 2502
  GS   ELECTRIC CHARGE
       #ION CHARGE
  RT   CHARGE EXCHANGE
       CHARGED PARTICLES
       IONIZATION
       VALENCE

ION CONCENTRATION
  0601 0603 1804
  RT   ACIDITY
     % BASES
       EARTH IONOSPHERE
       PH FACTOR
       TITRATION

ION CURRENTS
  1804 2304 2502
```

```
  UF   IONIC CONDUCTIVITY
  GS  #ION CURRENTS
       .ION BEAMS
  RT   SOLIONS

ION CYCLOTRON RADIATION
  1804 2202 2402 2502 2903
  GS   ELECTROMAGNETIC RADIATION
       .NONTHERMAL RADIATION
       ..CYCLOTRON RADIATION
       ..#ION CYCLOTRON RADIATION
  RT   CYCLOTRON RESONANCE
       IONIC WAVES
       MAGNETIC PUMPING
       PLASMA RADIATION
       PLASMA WAVES
     % RADIATION

ION DENSITY (CONCENTRATION)
  0604 1002 1302 1804 3009
  GS   DENSITY (NUMBER/VOLUME)
       .PARTICLE DENSITY (CONCENTRATION)
       .#ION DENSITY (CONCENTRATION)
       ...IONOSPHERIC ION DENSITY
       ...MAGNETOSPHERIC ION DENSITY
       ....MAGNETOSPHERIC PROTON DENSITY
       ...PROTON DENSITY (CONCENTRATION)
       ....MAGNETOSPHERIC PROTON DENSITY
  RT   ATMOSPHERIC DENSITY
       ATOM CONCENTRATION
       COSMIC RAYS
       EARTH IONOSPHERE
       ELECTRON DENSITY (CONCENTRATION)
       GERDIEN CONDENSERS
       IONIZATION
       IONOGRAMS
       PLASMA DENSITY
       POSITIVE IONS
       SAHA EQUATIONS
       SPACE DENSITY

ION DISTRIBUTION
  0604 1302 1804
  GS   DISTRIBUTION (PROPERTY)
       #ION DISTRIBUTION
  RT   CHARGE DISTRIBUTION
       CURRENT DISTRIBUTION
       ELECTROHYDRODYNAMICS
       IONIC MOBILITY
       SPATIAL DISTRIBUTION
       VERTICAL DISTRIBUTION

ION EMISSION
  1411 1804 2402
  GS   EMISSION
       .PARTICLE EMISSION
       .#ION EMISSION
  RT   IONIZATION
       THERMIONIC EMISSION
       THERMIONICS

ION ENGINES
  1504 1804 2803
  UF   IONIC PROPELLANTS
       THERMIONIC REACTORS
  GS   ENGINES
       .ROCKET ENGINES
       ..ELECTRIC ROCKET ENGINES
       ..#ION ENGINES
       ....CESIUM ENGINES
       ....MERCURY ION ENGINES
       ....RIT ENGINES
  RT   ARC JET ENGINES
       BEAM SWITCHING
       ELECTROSTATIC ENGINES
       ELECTROTHERMAL ENGINES
       IONIZERS
       NUCLEAR ROCKET ENGINES
       PLASMA ENGINES
       RESTARTABLE ROCKET ENGINES
       SPACE STATION PROPULSION
       SUSTAINER ROCKET ENGINES
     % THRUSTORS

ION EXCHANGE MEMBRANE ELECTROLYTES
  0302 0406 0603
  GS   CONDUCTORS
       .ELECTROLYTES
       .#ION EXCHANGE MEMBRANE
         ELECTROLYTES
       MEMBRANES
       #ION EXCHANGE MEMBRANE ELECTROLYTES
  RT   FUEL CELLS
       SEPARATORS

ION EXCHANGE RESINS
  0604 1804 1808 2203
  GS   RESINS
       #ION EXCHANGE RESINS
  RT   PLASTICS
       ZEOLITES

ION EXCHANGING
  0602 0603 0604 1804
  GS   EXCHANGING
       #ION EXCHANGING
  RT   BEDS (PROCESS ENGINEERING)
       CHARGE TRANSFER
       DEMINERALIZING
       GLASS ELECTRODES
       HYDROMETALLURGY
       ISOTOPE SEPARATION
       KAOLINITE
       METATHESIS
     % SEPARATION
       SOFTENING
       WATER TREATMENT

ION EXTRACTION
  0602 1804
  GS   EXTRACTION
       #ION EXTRACTION
  RT   ISOTOPE SEPARATION
     % SEPARATION
       SOLVENT EXTRACTION

ION GAGES
  USE  IONIZATION GAGES

ION IMPACT
  0601 1804 2304
  GS   IMPACT
       #ION IMPACT
  RT   ELECTRON IMPACT
       POINT IMPACT
       RECOIL IONS
       TOROIDS
       TOWNSEND AVALANCHE
       TOWNSEND DISCHARGE

ION IMPLANTATION
  0902 1001 1002
  GS   IMPLANTATION
       #ION IMPLANTATION
  RT   AVALANCHE DIODES
       CARRIER MOBILITY
       DIODES
       FIELD EFFECT TRANSISTORS
       INTEGRATED CIRCUITS
       IONS
       ITO (SEMICONDUCTORS)
       JUNCTION TRANSISTORS
       METAL IONS
       METAL OXIDE SEMICONDUCTORS
       MICROELECTRONICS
       MODFETS
       MODULATION DOPING
       MOM (SEMICONDUCTORS)
       PHOTODIODES
       SEMICONDUCTOR DEVICES
       TRANSISTORS

ION INJECTION
  0602 1002 1804 2502
  GS   INJECTION
```

```
        #ION INJECTION
  RT    CARRIER INJECTION
        IONIC MOBILITY
        PLASMA ACCELERATORS
        PLASMA GENERATORS
        PLASMA JETS

ION IRRADIATION
  0602 1002 1804 2202
  GS    IRRADIATION
        #ION IRRADIATION
        ..DEUTERON IRRADIATION
        ..PROTON IRRADIATION
  RT    AURORAL IRRADIATION
        ELECTRON IRRADIATION
        IONIC COLLISIONS
        NEUTRON IRRADIATION

ION MICROSCOPES
  0905 1407 2601
  GS    MICROSCOPES
        #ION MICROSCOPES
  RT    ELECTRON MICROSCOPES
        ELECTRON MICROSCOPY
        SCANNING ELECTRON MICROSCOPY
        TRANSMISSION ELECTRON MICROSCOPY

ION MOTION
  0603 1002 1804 2304 2502
  RT    IONIC WAVES
      % MOTION
        PENNING DISCHARGE
        PLASMA COMPOSITION
        PLASMA DIFFUSION

ION OSCILLATION
  USE   PLASMA OSCILLATIONS

ION PLATING
  1702
  GS    PLATING
        #ION PLATING
  RT    IONS
        METAL COATINGS
        METAL IONS
        SPUTTERING
        THIN FILMS
        VACUUM DEPOSITION

ION PROBES
  1302 1804 3108
  GS    MEASURING INSTRUMENTS
        #ION PROBES
  RT    IONOSONDES
        RADIO FREQUENCY IMPEDANCE PROBES

ION PRODUCTION RATES
  0602 0603 1804 2404 2502
  GS    IONIZATION
        #ION PRODUCTION RATES
        RATES (PER TIME)
        #ION PRODUCTION RATES
  RT    AVALANCHES
        CHARGE EXCHANGE
        RECOIL IONS
        THERMIONIC CONVERTERS

ION PROPULSION
  1803 2402 2803
  GS    PROPULSION
        .ELECTRIC PROPULSION
        ..ELECTROSTATIC PROPULSION
        ..#ION PROPULSION
        .LOW THRUST PROPULSION
        ..ELECTROSTATIC PROPULSION
        ..#ION PROPULSION
        .SPACECRAFT PROPULSION
        ..ELECTROSTATIC PROPULSION
        ..#ION PROPULSION
  RT    DUOPLASMATRONS
        ELECTROMAGNETIC PROPULSION
        HIGH TEMPERATURE PROPELLANTS
        NUCLEAR ELECTRIC PROPULSION
        PLASMA PROPULSION

ION PUMPS
  1501 1506
  GS    PUMPS
        .VACUUM PUMPS
        .#ION PUMPS
        VACUUM APPARATUS
        .VACUUM PUMPS
        .#ION PUMPS
  RT    GETTERS

ION RECOMBINATION
  0602 0604 2502
  GS    CHEMICAL REACTIONS
        #ION RECOMBINATION
        RECOMBINATION REACTIONS
        #ION RECOMBINATION
  RT    ATOMIC RECOMBINATION
        DEIONIZATION
        ELECTRON RECOMBINATION
        ELECTRON-ION RECOMBINATION
        RECOMBINATION COEFFICIENT

ION SCATTERING
  1804 2402 2502 2601
  GS    SCATTERING
        #ION SCATTERING
  RT    ELECTRON SCATTERING
        IONIC COLLISIONS
        IONIC DIFFUSION
        PROTON SCATTERING
        RECOIL IONS

ION SELECTIVE ELECTRODES
  0604 0904 0906 2304
  GS    ELECTRODES
        #ION SELECTIVE ELECTRODES
  RT    CHEMICAL ANALYSIS

ION SHEATHS
  1804 2502
  GS    SHEATHS
        #ION SHEATHS
  RT    PLASMA CLOUDS
        PLASMA PROBES
        PLASMA SHEATHS

ION SOURCES
  0603 1804 2502
  GS   #ION SOURCES
        .PLASMATRONS
        ..DUOPLASMATRONS
  RT    ELECTRON SOURCES
        IONIZATION
        IONIZING RADIATION
        LINEAR ACCELERATORS
        PARTICLE ACCELERATORS
        PLASMA GENERATORS
        RADIATION SOURCES
      % SOURCES
        SPUTTERING

ION SPECTROMETERS
  USE   MASS SPECTROMETERS

ION STORAGE
  0604
  RT    FREQUENCY STANDARDS
      % STORAGE
        TRAPPING

ION STRIPPING
  1804
  RT    HEAVY IONS
        PARTICLE BEAMS
        PARTICLE DENSITY (CONCENTRATION)
        PARTICLES
      % SEPARATION
      % STRIPPING

ION TEMPERATURE
```

1408 1804 3303
GS TEMPERATURE
#ION TEMPERATURE
RT AURORAL TEMPERATURE
IONOSPHERIC TEMPERATURE
PLASMA TEMPERATURE
SPACE TEMPERATURE
SPECIFIC HEAT

ION TRAPS (INSTRUMENTATION)
1302 1804 2002
GS MEASURING INSTRUMENTS
#ION TRAPS (INSTRUMENTATION)
TRAPS
#ION TRAPS (INSTRUMENTATION)
RT RADIATION COUNTERS
VAPOR TRAPS

ION-GAS INTERACTIONS
USE GAS-ION INTERACTIONS

IONIC COLLISIONS
0602 1804 2401
GS COLLISIONS
#IONIC COLLISIONS
RT ATOMIC COLLISIONS
ION IRRADIATION
ION SCATTERING
PARTICLE COLLISIONS
RECOIL IONS

IONIC CONDUCTIVITY
USE ION CURRENTS

IONIC CRYSTALS
1804 2304 2601
GS CRYSTALS
#IONIC CRYSTALS
RT CHEMICAL BONDS
CRYSTAL LATTICES
EXCITONS
POLARONS

IONIC DIFFUSION
0602 1804
GS DIFFUSION
.PARTICLE DIFFUSION
.#IONIC DIFFUSION
RT AMBIPOLAR DIFFUSION
DIFFUSION WAVES
ELECTRON DIFFUSION
ION SCATTERING
PLASMA DIFFUSION
SELF DIFFUSION (SOLID STATE)

IONIC MOBILITY
0603 1804 2502
GS MOBILITY
#IONIC MOBILITY
TRANSPORT PROPERTIES
#IONIC MOBILITY
RT AMBIPOLAR DIFFUSION
ANIONS
ATOMIC MOBILITIES
CATIONS
ELECTROHYDRODYNAMICS
ELECTROLYSIS
ELECTROLYTIC CELLS
ELECTROMIGRATION
ION DISTRIBUTION
ION INJECTION
IONS
% MOTION
NDM SEMICONDUCTOR DEVICES
NEGATIVE IONS
POSITIVE IONS

IONIC PROPELLANTS
USE ION ENGINES

IONIC REACTIONS
0602 1804 2311 2404
RT CHARGE TRANSFER
MOLECULAR INTERACTIONS

IONIC WAVES
1804 2308 2402 2502
GS ELASTIC WAVES
#IONIC WAVES
RT COLLISIONLESS PLASMAS
ELECTROSTATIC WAVES
ION CYCLOTRON RADIATION
ION MOTION
IONOSPHERIC CONDUCTIVITY
IONOSPHERIC PROPAGATION
PLASMA WAVES
% WAVES

IONIZATION
0604 2401 2403 3407
UF ELECTRON IONIZATION
GS #IONIZATION
.AUTOIONIZATION
.GAS IONIZATION
..ATMOSPHERIC IONIZATION
...AURORAL IONIZATION
..FLAME IONIZATION
.ION PRODUCTION RATES
.NONEQUILIBRIUM IONIZATION
.PHOTOIONIZATION
.SURFACE IONIZATION
RT ATOMIC COLLISIONS
ATOMIC EXCITATIONS
CORONAS
DISINTEGRATION
DISSOCIATION
ELECTRIC ARCS
ELECTRIC CORONA
ELECTRIC DISCHARGES
ELECTRIC SPARKS
ELECTRON ATTACHMENT
EXCITATION
ION CHARGE
ION DENSITY (CONCENTRATION)
ION EMISSION
ION SOURCES
IONOSPHERIC COMPOSITION
MAGNETOHYDRODYNAMICS
MOLECULAR EXCITATION
OXYGEN RECOMBINATION
SCHWARZSCHILD METRIC
SINGLE EVENT UPSETS
STELLAR CORONAS
THERMAL DISSOCIATION

IONIZATION CHAMBERS
1302 1406 1804 2401 2901
UF ION CHAMBERS
GS #IONIZATION CHAMBERS
.BUBBLE CHAMBERS
.CLOUD CHAMBERS
.GEIGER COUNTERS
.PROPORTIONAL COUNTERS
.SPARK CHAMBERS
RT % CHAMBERS
COUNTERS
DOSIMETERS
ELECTRON COUNTERS
IONIZERS
NEUTRON COUNTERS
RADIATION COUNTERS
RADIATION MEASURING INSTRUMENTS
THRESHOLD DETECTORS (DOSIMETERS)

IONIZATION COEFFICIENTS
0603 1804 2401
GS COEFFICIENTS
#IONIZATION COEFFICIENTS

IONIZATION COUNTERS
USE RADIATION COUNTERS

IONIZATION CROSS SECTIONS
0602 1804 2401
RT ABSORPTION CROSS SECTIONS

% CROSS SECTIONS
NONADIABATIC THEORY
SCATTERING CROSS SECTIONS

IONIZATION FREQUENCIES
1804 2401 2402
GS FREQUENCIES
#IONIZATION FREQUENCIES

IONIZATION GAGES
1406 1804 2401
UF ION GAGES
GS MEASURING INSTRUMENTS
.PRESSURE GAGES
..VACUUM GAGES
..#IONIZATION GAGES
....ALPHATRONS
....BAYARD-ALPERT IONIZATION GAGES
....PENNING GAGES
....PHILIPS IONIZATION GAGES
VACUUM APPARATUS
.VACUUM GAGES
.#IONIZATION GAGES
...ALPHATRONS
...BAYARD-ALPERT IONIZATION GAGES
...PENNING GAGES
...PHILIPS IONIZATION GAGES
RT HOT CATHODES
KNUDSEN GAGES
MCLEOD GAGES
ORBITRONS
PIRANI GAGES
PRESSURE MEASUREMENT

IONIZATION POTENTIALS
1804 2401 2402
GS POTENTIAL ENERGY
#IONIZATION POTENTIALS
RT ACTIVATION
ELECTRIC POTENTIAL
NUCLEAR BINDING ENERGY
% POTENTIAL
SAHA EQUATIONS
WORK FUNCTIONS

IONIZED GASES
0603 1804 2401 3009
SN (LIMITED TO PARTIALLY IONIZED GASES; SEE PLASMAS (PHYSICS) FOR COMPLETELY IONIZED MATTER)
GS GASES
#IONIZED GASES
..LORENTZ GAS
PARTICLES
.CHARGED PARTICLES
.#IONIZED GASES
...LORENTZ GAS
RT COSMIC GASES
ELECTRON GAS
FOKKER-PLANCK EQUATION
GAS IONIZATION
GAS TEMPERATURE
H II REGIONS
HIGH TEMPERATURE GASES
NEUTRAL GASES
PLASMAS (PHYSICS)
RECOMBINATION COEFFICIENT

IONIZED PLASMAS
USE PLASMAS (PHYSICS)

IONIZERS
0602 0903 1804
RT % FILAMENTS
GAS IONIZATION
% GRIDS
ION ENGINES
IONIZATION CHAMBERS
SURFACE IONIZATION
TUBE GRIDS

IONIZING RADIATION
1804 2401 2402
GS #IONIZING RADIATION
.ALPHA PARTICLES
.BETA PARTICLES
.COSMIC RAYS
..COSMIC RAY SHOWERS
..GALACTIC COSMIC RAYS
..GAMMA RAY BURSTS
..PRIMARY COSMIC RAYS
...SOLAR COSMIC RAYS
..SECONDARY COSMIC RAYS
.EXTREME ULTRAVIOLET RADIATION
.GAMMA RAY BEAMS
.GAMMA RAYS
..GAMMA RAY BURSTS
.X RAYS
..COSMIC X RAYS
..SOLAR X-RAYS
RT ABSORPTION SPECTRA
AVALANCHES
BEAMS (RADIATION)
COHERENT ELECTROMAGNETIC RADIATION
CORPUSCULAR RADIATION
ELECTROMAGNETIC RADIATION
ELECTRON BEAMS
ELEMENTARY PARTICLES
EMISSION
EXTREME ULTRAVIOLET RADIATION
FLUENCE
GAMMA RAY ABSORPTION
GAMMA RAY SPECTRA
ION SOURCES
IRRADIATION
LINEAR ENERGY TRANSFER (LET)
MONOCHROMATIC RADIATION
NUCLEAR RADIATION
PARTICLE TRAJECTORIES
% RADIATION
RADIATION BELTS
RADIATION COUNTERS
RADIATION DAMAGE
RADIATION HAZARDS
RADIOACTIVE MATERIALS
RADIOACTIVITY
RADIOCHEMISTRY
RELATIVISTIC ELECTRON BEAMS
SOLAR RADIATION
STERILIZATION
SYSTEM GENERATED ELECTROMAGNETIC PULSES

IONOGRAMS
1302 1804 2002
RT ION DENSITY (CONCENTRATION)
IONOSONDES
RIOMETERS

IONOPAUSE
1302 3009
SN (EXCLUDES PLASMAPAUSE)
RT COMETARY ATMOSPHERES
PLANETARY ATMOSPHERES
PLASMAPAUSE
SPACE PLASMAS
VENUS ATMOSPHERE

IONOSONDES
1302 1804 2003 2401
GS MEASURING INSTRUMENTS
.METEOROLOGICAL INSTRUMENTS
..RADIOSONDES
..#IONOSONDES
.SONDES
..RADIOSONDES
..#IONOSONDES
RADIO EQUIPMENT
.RADIO TRANSMITTERS
..RADIOSONDES
..#IONOSONDES
TRANSMITTERS
.RADIO TRANSMITTERS
..RADIOSONDES
..#IONOSONDES

RT ION PROBES
IONOGRAMS
IONOSPHERIC SOUNDING
RIOMETERS
SATELLITE SOUNDING
SOUNDING ROCKETS

IONOSPHERE EXPLORER A
USE EXPLORER 20 SATELLITE

IONOSPHERE-MAGNETOSPHERE COUPLING
USE MAGNETOSPHERE-IONOSPHERE COUPLING

% IONOSPHERES
1302 2003 3009
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
RT EARTH IONOSPHERE
MAGNETOSPHERE-IONOSPHERE COUPLING
PLANETARY IONOSPHERES

IONOSPHERIC ABSORPTION
USE ELECTROMAGNETIC ABSORPTION
IONOSPHERIC PROPAGATION

IONOSPHERIC BLACKOUT
USE BLACKOUT (PROPAGATION)

IONOSPHERIC COMPOSITION
0603 1302 1804 3009
GS COMPOSITION (PROPERTY)
.ATMOSPHERIC COMPOSITION
.#IONOSPHERIC COMPOSITION
RT ATOM CONCENTRATION
CHEMICAL COMPOSITION
GAS COMPOSITION
IONIZATION
PARTICLE DENSITY (CONCENTRATION)
PLASMA COMPOSITION
SATELLITE ATMOSPHERES

IONOSPHERIC CONDUCTIVITY
0710 1302 1804
GS ELECTRICAL PROPERTIES
.ELECTRICAL RESISTIVITY
.#IONOSPHERIC CONDUCTIVITY
TRANSPORT PROPERTIES
.ATMOSPHERIC CONDUCTIVITY
.#IONOSPHERIC CONDUCTIVITY
.ELECTRICAL RESISTIVITY
.#IONOSPHERIC CONDUCTIVITY
RT % CONDUCTIVITY
ELECTROJETS
IONIC WAVES
PLASMA CONDUCTIVITY

IONOSPHERIC CROSS MODULATION
1302 1804 2401 2402
GS ELECTROMAGNETIC INTERFERENCE
.CROSSTALK
.#IONOSPHERIC CROSS MODULATION
.RADIO FREQUENCY INTERFERENCE
.#IONOSPHERIC CROSS MODULATION
MODULATION
#IONOSPHERIC CROSS MODULATION
RT LUXEMBOURG EFFECT

IONOSPHERIC CURRENTS
1302 1804 2003 2401 2402
GS ELECTRIC CURRENT
#IONOSPHERIC CURRENTS
..BIRKELAND CURRENTS
..ELECTROJETS
...AURORAL ELECTROJETS
...EQUATORIAL ELECTROJET
ELECTRICITY
.ATMOSPHERIC ELECTRICITY
.#IONOSPHERIC CURRENTS
...BIRKELAND CURRENTS
...ELECTROJETS
....AURORAL ELECTROJETS
....EQUATORIAL ELECTROJET
RT FIELD ALIGNED CURRENTS
PLASMA CURRENTS
TRAVELING IONOSPHERIC DISTURBANCES

IONOSPHERIC DISTURBANCES
1302 1804 3009
GS #IONOSPHERIC DISTURBANCES
.IONOSPHERIC STORMS
..SUDDEN IONOSPHERIC DISTURBANCES
.TRAVELING IONOSPHERIC DISTURBANCES
RT BIRKELAND CURRENTS
BLACKOUT (PROPAGATION)
% DISTURBANCES
IONOSPHERIC NOISE
MAGNETIC VARIATIONS

IONOSPHERIC DRIFT
1302 1804 3009
RT % DRIFT
DRIFT RATE
ELECTROJETS
MAGNETIC RIGIDITY
POLARIZATION (CHARGE SEPARATION)
RADIATION BELTS

IONOSPHERIC ELECTRON DENSITY
0710 1302 1804 3009
GS DENSITY (NUMBER/VOLUME)
.PARTICLE DENSITY (CONCENTRATION)
..ELECTRON DENSITY (CONCENTRATION)
..#IONOSPHERIC ELECTRON DENSITY
RT ARIEL 4 SATELLITE
MAGNETOSPHERIC ELECTRON DENSITY

IONOSPHERIC F-SCATTER PROPAGATION
0710 1302 1804
GS SCATTERING
.WAVE SCATTERING
..ELECTROMAGNETIC SCATTERING
..#IONOSPHERIC F-SCATTER PROPAGATION
TRANSMISSION
.ELECTROMAGNETIC WAVE TRANSMISSION
..RADIO TRANSMISSION
...IONOSPHERIC PROPAGATION
...#IONOSPHERIC F-SCATTER PROPAGATION
..SCATTER PROPAGATION
..#IONOSPHERIC F-SCATTER PROPAGATION
.SIGNAL TRANSMISSION
..RADIO TRANSMISSION
...IONOSPHERIC PROPAGATION
...#IONOSPHERIC F-SCATTER PROPAGATION
.WAVE PROPAGATION
..IONOSPHERIC PROPAGATION
..#IONOSPHERIC F-SCATTER PROPAGATION
..SCATTER PROPAGATION
..#IONOSPHERIC F-SCATTER PROPAGATION

IONOSPHERIC HEATING
1302 1804 2003 3304
GS HEATING
#IONOSPHERIC HEATING
RT ATMOSPHERIC RADIATION
PLASMA HEATING

IONOSPHERIC ION DENSITY
1302 1804 2401 3009
GS DENSITY (NUMBER/VOLUME)
.PARTICLE DENSITY (CONCENTRATION)
..ION DENSITY (CONCENTRATION)
..#IONOSPHERIC ION DENSITY
RT MAGNETOSPHERIC ION DENSITY
POSITIVE IONS

IONOSPHERIC NOISE
0704 1302 1804 2402
GS ATMOSPHERIC RADIATION

#IONOSPHERIC NOISE
..WHISTLERS
ELECTROMAGNETIC INTERFERENCE
.RADIO FREQUENCY INTERFERENCE
..ELECTROMAGNETIC NOISE
..#IONOSPHERIC NOISE
....WHISTLERS
RT BACKGROUND NOISE
BACKGROUND RADIATION
IONOSPHERIC DISTURBANCES
RIOMETERS
SKY WAVES

IONOSPHERIC PROPAGATION
0710 1302 1804
UF IONOSPHERIC ABSORPTION
IONOSPHERIC REFLECTION
GS TRANSMISSION
.ELECTROMAGNETIC WAVE TRANSMISSION
..RADIO TRANSMISSION
..#IONOSPHERIC PROPAGATION
....IONOSPHERIC F-SCATTER PROPAGATION
.SIGNAL TRANSMISSION
..RADIO TRANSMISSION
..#IONOSPHERIC PROPAGATION
....IONOSPHERIC F-SCATTER PROPAGATION
.WAVE PROPAGATION
.#IONOSPHERIC PROPAGATION
...IONOSPHERIC F-SCATTER PROPAGATION
RT ANTIPODES
EARTH IONOSPHERE
EARTH-IONOSPHERE WAVEGUIDE
EISCAT RADAR SYSTEM (EUROPE)
IONIC WAVES
LOSSY MEDIA
LUXEMBOURG EFFECT
MAGNETOIONICS
ORBIS
ORBIS CAL SATELLITE
POLAR RADIO BLACKOUT
RIOMETERS
SCATTER PROPAGATION
SIGNAL MEASUREMENT
TRAVELING IONOSPHERIC DISTURBANCES

IONOSPHERIC REFLECTION
USE IONOSPHERIC PROPAGATION

IONOSPHERIC SOUNDING
1302 1804 2002 2003 3108 3009
GS SOUNDING
#IONOSPHERIC SOUNDING
RT ALOUETTE PROJECT
ALOUETTE 1 SATELLITE
ALOUETTE 2 SATELLITE
ARIEL 4 SATELLITE
ATMOSPHERIC SOUNDING
IONOSONDES
ORBIS
ORBIS CAL SATELLITE
ROCKET SOUNDING
SATELLITE SOUNDING

IONOSPHERIC STORMS
0710 1302 1804 2003 2402 3009
GS IONOSPHERIC DISTURBANCES
#IONOSPHERIC STORMS
..SUDDEN IONOSPHERIC DISTURBANCES
STORMS
#IONOSPHERIC STORMS
..SUDDEN IONOSPHERIC DISTURBANCES
RT % DISTURBANCES
EARTH IONOSPHERE
IONOSPHERICS
NOISE STORMS
SOLAR STORMS
SPREAD F
TRAVELING IONOSPHERIC DISTURBANCES

IONOSPHERIC TEMPERATURE
1302 1804 2003 3303
GS TEMPERATURE
.ATMOSPHERIC TEMPERATURE
.#IONOSPHERIC TEMPERATURE
RT AURORAL TEMPERATURE
ELECTRON ENERGY
ION TEMPERATURE

IONOSPHERIC TILTS
1302
RT TRAVELING IONOSPHERIC DISTURBANCES

IONOSPHERICS
0704 1301 2402 2901 2902 2903
GS ELECTROMAGNETIC INTERFERENCE
.RADIO FREQUENCY INTERFERENCE
..ELECTROMAGNETIC NOISE
...ATMOSPHERICS
...#IONOSPHERICS
.....DAWN CHORUS
.....HISS
RT IONOSPHERIC STORMS
RADIO AURORAS

IONS
0603 0604 1302 1703 1804 1808 2401
GS #IONS
.CESIUM IONS
.DEUTERONS
.HEAVY IONS
.HELIUM IONS
.HYDROGEN IONS
.LIGHT IONS
.METAL IONS
..FERRIC IONS
..MANGANESE IONS
.MOLECULAR IONS
..FORMYL IONS
..HYDRONIUM IONS
..VANADYL RADICAL
.NEGATIVE IONS
..ANIONS
.NITROGEN IONS
.OXYGEN IONS
.POSITIVE IONS
..CATIONS
...FORMYL IONS
...VANADYL RADICAL
..HYDRONIUM IONS
.RECOIL IONS
.TRITONS
.TRIVALENT IONS
RT ALPHA PARTICLES
ATOMS
CHEMICAL ELEMENTS
CORPUSCULAR RADIATION
ELECTROLYTES
FREE RADICALS
HYDROXYL RADICALS
ION IMPLANTATION
ION PLATING
IONIC MOBILITY
MOLECULES
MONATOMIC MOLECULES
NUCLEI (NUCLEAR PHYSICS)
PARTICLES
PLASMAS (PHYSICS)
POLYATOMIC MOLECULES
PROTONS
VALENCE

IOWA
1305
GS NATIONS
.UNITED STATES
.#IOWA
RT CEDAR RAPIDS (IA)
MISSOURI RIVER (US)

IP (IMPACT PREDICTION)
USE COMPUTERIZED SIMULATION

```
IPAD
  0802
  SN    (INTEGRATED PROGRAM FOR AEROSPACE
        VEHICLE DESIGN)
  UF    INTEG PROGRAM FOR AEROSPACE VEH
        DESIGN
  GS    COMPUTER TECHNIQUES
        .COMPUTER AIDED DESIGN
        .#IPAD
        SPACECRAFT DESIGN
        #IPAD
  RT % DESIGN

IQSY (INTERNATIONAL YEAR)
  USE   INTERNATIONAL QUIET SUN YEAR

IR LASERS
  USE   INFRARED LASERS

IRAN
  1305
  GS    NATIONS
        #IRAN
  RT    ASIA

IRAQ
  1305
  GS    NATIONS
        #IRAQ
  RT    ASIA

IRAS
  USE   INFRARED ASTRONOMY SATELLITE

IRAS-ARAKI-ALCOCK COMET
  1901 3001
  GS    CELESTIAL BODIES
        .COMETS
        .#IRAS-ARAKI-ALCOCK COMET
  RT    INFRARED ASTRONOMY SATELLITE
        SOLAR SYSTEM

IRASERS
  USE   INFRARED LASERS

IRBM (MISSILES)
  USE   INTERMEDIATE RANGE BALLISTIC
        MISSILES

IRELAND
  1305
  GS    LANDFORMS
        .ISLANDS
        .#IRELAND
        NATIONS
        #IRELAND

IRIDESCENCE
  0605 2306 3408
  GS    ELECTROMAGNETIC PROPERTIES
        .OPTICAL PROPERTIES
        ..COLOR
        ..#IRIDESCENCE
  RT    OPALESCENCE

IRIDIUM
  0603 1703
  GS    CHEMICAL ELEMENTS
        #IRIDIUM
        ..IRIDIUM ISOTOPES
        METALS
        .REFRACTORY METALS
        .#IRIDIUM
        ...IRIDIUM ISOTOPES
        .TRANSITION METALS
        .#IRIDIUM
        ...IRIDIUM ISOTOPES
        REFRACTORY MATERIALS
        .REFRACTORY METALS
        .#IRIDIUM
        ...IRIDIUM ISOTOPES

IRIDIUM ALLOYS
  0603 1703
  GS    ALLOYS
        #IRIDIUM ALLOYS
  RT    PLATINUM ALLOYS

IRIDIUM COMPOUNDS
  0603 1703
  RT % CHEMICAL COMPOUNDS
     % GROUP 8 COMPOUNDS
     % METAL COMPOUNDS

IRIDIUM ISOTOPES
  0603 1703 2406
  GS    CHEMICAL ELEMENTS
        .IRIDIUM
        .#IRIDIUM ISOTOPES
        .NUCLIDES
        ..ISOTOPES
        ..#IRIDIUM ISOTOPES
        METALS
        .REFRACTORY METALS
        ..IRIDIUM
        ..#IRIDIUM ISOTOPES
        .TRANSITION METALS
        ..IRIDIUM
        ..#IRIDIUM ISOTOPES
        REFRACTORY MATERIALS
        .REFRACTORY METALS
        ..IRIDIUM
        ..#IRIDIUM ISOTOPES

IRIS SATELLITES
  3107 3009
  GS    ARTIFICIAL SATELLITES
        #IRIS SATELLITES
  RT    EUROPEAN SPACE PROGRAMS
        SATELLITE OBSERVATION
        SOLAR ACTIVITY
        SOLAR CYCLES
        SOLAR ENERGY
        SOLAR FLARES
        SOLAR RADIATION
        SOLAR SENSORS

IRISES (MECHANICAL APERTURES)
  0404 1412
  GS    OPENINGS
        .APERTURES
        .#IRISES (MECHANICAL APERTURES)
  RT    CAMERA SHUTTERS
        WAVEGUIDE WINDOWS
        WAVEGUIDES

IRON
  1703
  GS    CHEMICAL ELEMENTS
        #IRON
        ..IRON ISOTOPES
        ...IRON 57
        ...IRON 58
        ...IRON 59
        METALS
        .TRANSITION METALS
        .#IRON
        ...IRON ISOTOPES
        ....IRON 57
        ....IRON 58
        ....IRON 59
  RT    FERRIC IONS
        FERROUS METALS
        HYDROGEN EMBRITTLEMENT
        LOW CARBON STEELS

IRON ALLOYS
  1701 1703 1704 3203
  UF    FERROALLOYS
  GS    ALLOYS
        #IRON ALLOYS
        ..STEELS
        ...BAINITIC STEEL
        ...CARBON STEELS
        ....LOW CARBON STEELS
```

...CHROMIUM STEELS
...CROLOY
...HIGH STRENGTH STEELS
....MARAGING STEELS
...NICKEL STEELS
...STAINLESS STEELS
....AUSTENITIC STAINLESS STEELS
....FERRITIC STAINLESS STEELS
....MARTENSITIC STAINLESS STEELS
RT AUSTENITE
BAINITE
BEARING ALLOYS
CEMENTITE
FERRITES
HASTELLOY (TRADEMARK)
INCONEL (TRADEMARK)
KAMACITE
MARTENSITE
NIMONIC ALLOYS
PEARLITE
PERMALLOYS (TRADEMARK)
SILICON ALLOYS
ZIRCALOYS (TRADEMARK)

IRON CHLORIDES
0603 1804
GS HALOGEN COMPOUNDS
.CHLORINE COMPOUNDS
..CHLORIDES
..#IRON CHLORIDES
.HALIDES
..CHLORIDES
..#IRON CHLORIDES
..METAL HALIDES
..#IRON CHLORIDES
IRON COMPOUNDS
#IRON CHLORIDES

IRON COMPOUNDS
0603 1804
GS #IRON COMPOUNDS
.COHENITE
.CORDIERITE
.FAYALITE
.FERRATES
..BARIUM FERRATES
.FERRITES
.FERROCENES
..ALKYLFERROCENE
.IRON CHLORIDES
.IRON CYANIDES
.IRON OXIDES
..HEMATITE
..ILMENITE
..MAGNETITE
.LIMONITE
.PYRITES
.PYRRHOTITE
..TROILITE
.SCHREIBERSITE
.SIDERITES
RT % CHEMICAL COMPOUNDS
% GROUP 8 COMPOUNDS
% METAL COMPOUNDS

IRON CYANIDES
0603 1804
GS CYANIDES
#IRON CYANIDES
IRON COMPOUNDS
#IRON CYANIDES

IRON ISOTOPES
1703 2406
GS CHEMICAL ELEMENTS
.IRON
.#IRON ISOTOPES
...IRON 57
...IRON 58
...IRON 59
.NUCLIDES
..ISOTOPES
..#IRON ISOTOPES
....IRON 57
....IRON 58
....IRON 59
METALS
.TRANSITION METALS
..IRON
..#IRON ISOTOPES
....IRON 57
....IRON 58
....IRON 59
RT FERROUS METALS

IRON METEORITES
1804 3005
UF SIDERITE METEORITES
GS CELESTIAL BODIES
.METEORITES
.#IRON METEORITES
...AROOS METEORITE
...LAZAREV METEORITE
...ODESSA METEORITE
...SIKHOTE-ALIN METEORITE
RT ACHONDRITES
HARLETON METEORITE
KAMACITE
METEORITIC COMPOSITION
METEORITIC MICROSTRUCTURES
OKHANSK METEORITE
SCHREIBERSITE
STONY METEORITES
STONY-IRON METEORITES
TROILITE
WIDMANSTATTEN STRUCTURE

IRON ORES
0603 1806
GS MINERALS
#IRON ORES
..HEMATITE

IRON OXIDES
0603 1804
GS CHALCOGENIDES
.OXIDES
..METAL OXIDES
..#IRON OXIDES
....HEMATITE
....ILMENITE
....MAGNETITE
IRON COMPOUNDS
#IRON OXIDES
..HEMATITE
..ILMENITE
..MAGNETITE

IRON 57
1703 2406
GS CHEMICAL ELEMENTS
.IRON
..IRON ISOTOPES
..#IRON 57
.NUCLIDES
..ISOTOPES
...IRON ISOTOPES
...#IRON 57
METALS
.TRANSITION METALS
..IRON
...IRON ISOTOPES
...#IRON 57

IRON 58
1703
GS CHEMICAL ELEMENTS
.IRON
..IRON ISOTOPES
..#IRON 58
.NUCLIDES
..ISOTOPES
...IRON ISOTOPES
...#IRON 58
METALS

.TRANSITION METALS
..IRON
...IRON ISOTOPES
...#IRON 58

IRON 59
1703 2406
GS CHEMICAL ELEMENTS
.IRON
..IRON ISOTOPES
..#IRON 59
.NUCLIDES
..ISOTOPES
...IRON ISOTOPES
...#IRON 59
...RADIOACTIVE ISOTOPES
...#IRON 59
METALS
.TRANSITION METALS
..IRON
...IRON ISOTOPES
...#IRON 59

IROQUOIS HELICOPTER
USE UH-1 HELICOPTER

IRRADIANCE
2310 2401 2405
SN (LIMITED TO DETECTION RATE PER UNIT AREA OF RADIATION)
GS RATES (PER TIME)
.FLUX DENSITY
..RADIANT FLUX DENSITY
..#IRRADIANCE
....ILLUMINANCE
....SOLAR CONSTANT
RT ELECTRON FLUX DENSITY
LUMINANCE
LUMINOUS INTENSITY
NEUTRON FLUX DENSITY
PROTON FLUX DENSITY
RADIANCE
SOLAR BACKSCATTER UV SPECTROMETER
SOLAR FLUX DENSITY

IRRADIATION
0411 1505 2401 2403 2405 2903 3407
GS #IRRADIATION
.AURORAL IRRADIATION
.ELECTRON IRRADIATION
.ION IRRADIATION
..DEUTERON IRRADIATION
..PROTON IRRADIATION
.NEUTRON IRRADIATION
.X RAY IRRADIATION
RT ACTIVATION
BEAMS (RADIATION)
% BOMBARDMENT
DOSIMETERS
ELECTROMAGNETIC ABSORPTION
ELECTRON PROBES
EMISSION
EXCITATION
EXPOSURE
FLUX DENSITY
IONIZING RADIATION
LASER INDUCED FLUORESCENCE
NUCLEAR CAPTURE
NUCLEAR FUSION
NUCLEAR RADIATION
PRESERVING
% RADIATION
RADIATION DOSAGE
RADIATION EFFECTS
RADIATION MEASUREMENT
RADIATION TOLERANCE
RADIOBIOLOGY
RADIOGRAPHY
TARGETS

IRRATIONALITY
0408 0410
RT DISORIENTATION
DITHERS
MENTAL PERFORMANCE
PREJUDICES
PSYCHOSES
SCHIZOPHRENIA

IRREGULAR GALAXIES
3001 3002 3003
GS CELESTIAL BODIES
.GALAXIES
.#IRREGULAR GALAXIES
RT BL LACERTAE OBJECTS
GALACTIC RADIATION
GALACTIC ROTATION
GALACTIC STRUCTURE
GUM NEBULA
HUBBLE CONSTANT
HUBBLE DIAGRAM
NEBULAE
ORION NEBULA
QUASARS
RADIO SOURCES (ASTRONOMY)
RED SHIFT
STAR CLUSTERS
STARS

IRREGULAR VARIABLE STARS
2306 3001 3006
GS CELESTIAL BODIES
.STARS
..VARIABLE STARS
..#IRREGULAR VARIABLE STARS
....R CORONAE BOREALIS STARS
RT CARBON STARS
SEMIREGULAR VARIABLE STARS

IRREGULARITIES
0408 3408
RT ABNORMALITIES
DEFECTS
DEVIATION
NONUNIFORMITY
REGULARITY

IRREVERSIBLE PROCESSES
0602 3407
RT NONEQUILIBRIUM THERMODYNAMICS
ONSAGER RELATIONSHIP
REACTION KINETICS
THERMODYNAMICS
THERMOVISCOELASTICITY
VARIATIONAL PRINCIPLES

IRRIGATION
0409 3404
RT AGRICULTURE
ALFALFA
BARLEY
CANALS
CITRUS TREES
CORN
CROP VIGOR
DITCHES
DRAINAGE
DRAINAGE PATTERNS
FARM CROPS
FARMLANDS
OATS
ORCHARDS
PONDS
SEEPAGE
SUGAR BEETS
SUGAR CANE
TROUGHS
VEGETATION GROWTH
VINEYARDS
WATER CONSUMPTION

IRRITATION
0408 3406 3407
GS #IRRITATION
.TOXICITY AND SAFETY HAZARD

```
  RT % REACTION

IRROTATIONAL FLOW
  USE  POTENTIAL FLOW

IRS (INDIAN SPACECRAFT)
  USE  INDIAN SPACECRAFT

ISAGEX
  USE  INTERNATIONAL SATELLITE GEODESY
       EXPERIMENT

ISCCP PROJECT
  1308 2001 2003
  UF   INTERNATIONAL SATELLITE CLOUD
       CLIMATOLOGY
  GS   PROGRAMS
       .PROJECTS
       .#ISCCP PROJECT
  RT   CLIMATOLOGY
       CLOUD COVER
       CLOUDS (METEOROLOGY)
       GOES SATELLITES
       METEOSAT SATELLITE
       REMOTE SENSING
       SATELLITE OBSERVATION

ISCHEMIA
  0401 0405 0408
  RT   ANEMIAS
       BLOOD CIRCULATION
       CONGESTION
       VASOCONSTRICTION

ISEE
  USE  INTERNATIONAL SUN EARTH EXPLORERS

ISENTROPE
  1202 2003 3304
  RT   ADIABATIC CONDITIONS
       ISENTROPIC PROCESSES
       MOLLIER DIAGRAM
       POISSON EQUATION

ISENTROPIC PROCESSES
  2003 2311 3304
  GS  #ISENTROPIC PROCESSES
       .NONISENTROPICITY
  RT   BERNOULLI THEOREM
       ISENTROPE
       ISOENERGETIC PROCESSES
       ISOPYCNIC PROCESSES
     % PROCESSES
       THERMODYNAMIC EQUILIBRIUM

ISING MODEL
  0804
  RT   ANTIFERROMAGNETISM
       CRYSTAL LATTICES
       FERROMAGNETISM
       PARTICLE SPIN
       PHASE TRANSFORMATIONS
       STATISTICAL MECHANICS

ISIS SATELLITES
  1302 3107 3409
  SN   (INTERNATIONAL SATELLITES FOR
       IONOSPHERIC STUDY)
  UF   INTERNATIONAL SATS FOR IONOSPHERIC
       STUDY
  GS   ARTIFICIAL SATELLITES
       #ISIS SATELLITES
       ..ALOUETTE 2 SATELLITE
       ..ISIS-A
       ..ISIS-B
       ..ISIS-X
  RT   ALOUETTE SATELLITES

ISIS-A
  3107 3409
  GS   ARTIFICIAL SATELLITES
       .ISIS SATELLITES
       .#ISIS-A
  RT   ALOUETTE PROJECT

ISIS-B
  3107 3409
  GS   ARTIFICIAL SATELLITES
       .ISIS SATELLITES
       .#ISIS-B

ISIS-X
  1302 2004 3107
  GS   ARTIFICIAL SATELLITES
       .ISIS SATELLITES
       .#ISIS-X
  RT   ALOUETTE B SATELLITE

ISKRA AIRCRAFT
  USE  TS-11 AIRCRAFT

ISLAND ARCS
  1305 1306
  GS   LANDFORMS
       #ISLAND ARCS
  RT   ALEUTIAN ISLANDS (US)
     % ARCS
       BARRIERS (LANDFORMS)
       ISLANDS
       KEYS (ISLANDS)
       LAGOONS
       REEFS

ISLANDS
  1305 1306
  GS   LANDFORMS
       #ISLANDS
       ..ALEUTIAN ISLANDS (US)
       ..ASSATEAGUE ISLAND (MD-VA)
       ..ATOLLS
       ..BAHRAIN
       ..BERMUDA
       ..CANARY ISLANDS
       ..CYPRUS
       ..GREENLAND
       ..HAWAII
       ..ICELAND
       ..INDONESIA
       ..IRELAND
       ..KEYS (ISLANDS)
       ..LONG ISLAND (NY)
       ..MADAGASCAR
       ..MALDIVE ISLANDS
       ..MALTA
       ..MAURITIUS
       ..MERRITT ISLAND (FL)
       ..NEWFOUNDLAND
       ..NUNATAKS
       ..PACIFIC ISLANDS
       ...GUAM
       ...JAPAN
       ...JOHNSTON ISLAND
       ...KURILE ISLANDS
       ...NEW GUINEA (ISLAND)
       ...NEW ZEALAND
       ...PHILIPPINES
       ...SAMOA
       ..PRINCE EDWARD ISLAND
       ..SEYCHELLES
       ..SICILY
       ..TASMANIA
       ..WALLOPS ISLAND
       ..WEST INDIES
       ...ANTIGUA AND BARBUDA
       ...BAHAMAS
       ...BARBADOS
       ...CUBA
       ...DOMINICA
       ...GRENADA
       ...GUADELOUPE
       ...HAITI
       ...JAMAICA
       ...LESSER ANTILLES
       ...MARTINIQUE
       ...PUERTO RICO
```

...TRINIDAD AND TOBAGO
...VIRGIN ISLANDS
RT ARCHIPELAGOES
AZORES
CAPE VERDE
CORAL REEFS
ISLAND ARCS
LAGOONS
OUTER BANKS (NC)
REEFS
SEAMOUNTS

% ISOBARS
1408 2001 2003
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT BAROCLINITY
BAROTROPISM
ISOBARS (PRESSURE)
NUCLEAR ISOBARS
POLYTROPIC PROCESSES

ISOBARS (PRESSURE)
1408 2002 2003
RT ATMOSPHERIC PRESSURE
GEOSTROPHIC WIND
GRADIENTS
% ISOBARS
ISOCHORIC PROCESSES
ISOPYCNIC PROCESSES
ISOTHERMAL PROCESSES
METEOROLOGICAL CHARTS
PRESSURE
PRESSURE DISTRIBUTION
PRESSURE GRADIENTS

ISOBUTANE
USE BUTANES

ISOBUTYLENE
USE BUTENES

ISOCHORIC PROCESSES
2311 3304
RT ISOBARS (PRESSURE)
ISOPYCNIC PROCESSES
THERMODYNAMIC EQUILIBRIUM
VOLUME

ISOCHROMATICS
1405 2306
RT COLOR
DICHROISM
DIFFRACTION
INTERFEROMETRY
REFRACTION
SPECKLE INTERFEROMETRY

ISOCYANATES
0603 1808
GS ESTERS
#ISOCYANATES
..DIISOCYANATES
..FULMINATES
NITROGEN COMPOUNDS
.CYANO COMPOUNDS
.#ISOCYANATES
...DIISOCYANATES
...FULMINATES

ISOELECTRONIC SEQUENCE
1411 2311 2401
RT ATOMIC STRUCTURE
SPECTRA
SPECTROSCOPY

ISOENERGETIC PROCESSES
2311
RT ADIABATIC CONDITIONS
ISENTROPIC PROCESSES
THERMODYNAMIC EQUILIBRIUM

ISOLATION
0505 0602 1504 3407
GS #ISOLATION
.SOCIAL ISOLATION
RT CONFINEMENT
CONFINING
DEPRIVATION
DISPOSAL
EXCLUSION
GNOTOBIOTICS
INSULATION
ISOLATORS
% SEPARATION
SPACING

ISOLATORS
0904 0905 0906 1504 2309
GS #ISOLATORS
.VIBRATION ISOLATORS
RT ATTENUATORS
INSULATION
ISOLATION
NOISE REDUCTION
SHOCK ABSORBERS
SPACERS
SUPPRESSORS
VIBRATION

ISOMERIZATION
0602 3407
GS #ISOMERIZATION
.ORTHO PARA CONVERSION
RT % CONVERSION
REFINING

ISOMERS
0603 1808
GS #ISOMERS
.ISOPROPYL ALCOHOL
.PHENANTHRENE
RT ATOMS
CONGENERS
NUCLEAR CHEMISTRY
STEREOCHEMISTRY
TAUTOMERS

ISOMORPHISM
0404 0408 0603 1902 2311 2601 3408
UF MORPHOTROPISM
GS MORPHOLOGY
#ISOMORPHISM
RT CRYSTAL LATTICES
CRYSTAL STRUCTURE
DUALITY THEOREM
HOMOMORPHISMS

ISOPARAMETRIC FINITE ELEMENTS
1905 3501
RT CONFORMAL MAPPING
COORDINATE TRANSFORMATIONS
% ELEMENTS
FINITE ELEMENT METHOD
FRACTURE MECHANICS
NUMERICAL ANALYSIS
STRESS ANALYSIS

ISOPERIMETRIC PROBLEM
1902
RT ANALYTIC FUNCTIONS
CONTINUITY (MATHEMATICS)
LAGRANGE MULTIPLIERS
MATRICES (MATHEMATICS)
% PROBLEMS
TOPOLOGY

ISOPHOTES
1303 2310 3001 3002
RT % ILLUMINATION

ISOPLETHS
USE NOMOGRAPHS

```
ISOPROPYL ALCOHOL
  1808
  GS    HYDROXYL COMPOUNDS
        .ALCOHOLS
        .#ISOPROPYL ALCOHOL
        ISOMERS
        #ISOPROPYL ALCOHOL
        ISOPROPYL COMPOUNDS
        #ISOPROPYL ALCOHOL

ISOPROPYL COMPOUNDS
  0603 1808
  GS   #ISOPROPYL COMPOUNDS
        .ISOPROPYL ALCOHOL
  RT % CHEMICAL COMPOUNDS

ISOPROPYL NITRATE
  1808
  GS    ALKYL COMPOUNDS
        #ISOPROPYL NITRATE
        ESTERS
        .NITRATE ESTERS
        .#ISOPROPYL NITRATE
        NITROGEN COMPOUNDS
        .NITRATE ESTERS
        .#ISOPROPYL NITRATE

ISOPYCNIC PROCESSES
  2311 3304
  UF    ISOSTERIC PROCESSES
  RT    DENSITY (MASS/VOLUME)
        ISENTROPIC PROCESSES
        ISOBARS (PRESSURE)
        ISOCHORIC PROCESSES

ISOSTASY
  1308
  RT % EQUILIBRIUM
        GEOMORPHOLOGY
        GEOPHYSICS
        GLACIOLOGY
        GRAVITATION
        HYDROSTATICS
        OROGRAPHY
        SEISMOLOGY
        SUBSIDENCE

ISOSTATIC PRESSURE
  1308
  GS    PRESSURE
        #ISOSTATIC PRESSURE
  RT    ATMOSPHERIC PRESSURE
        HOT ISOSTATIC PRESSING
        HYDROSTATIC PRESSURE
        STATIC PRESSURE

ISOSTERIC PROCESSES
  USE   ISOPYCNIC PROCESSES

ISOTENSOID STRUCTURES
  1507 3202
  RT    COMPOSITE WRAPPING
        FILAMENT WINDING
        PRESSURE VESSELS
        PRESTRESSING
        SHELLS (STRUCTURAL FORMS)
        SPIRAL WRAPPING
      % STRUCTURES

ISOTHERMAL FLOW
  1202 1203 1408 2001
  GS    FLUID FLOW
        #ISOTHERMAL FLOW
  RT    FLOW DISTRIBUTION
        ISOTHERMS
        TEMPERATURE DISTRIBUTION

ISOTHERMAL LAYERS
  1203 1408 2001 3501
  RT    ISOTHERMS
        LAMINAR BOUNDARY LAYER
        STRATOSPHERE
        STRATOSPHERIC WARMING
        TEMPERATURE DISTRIBUTION
        TEMPERATURE GRADIENTS
        THERMAL MAPPING
        TROPOPAUSE

ISOTHERMAL PROCESSES
  0602 3304 3407
  RT    ADIABATIC CONDITIONS
        ISOBARS (PRESSURE)
        ISOTHERMS
        THERMODYNAMIC EQUILIBRIUM

ISOTHERMS
  1408 2001 2003 3304
  RT    ATMOSPHERIC & OCEANOGRAPHIC INFORM
        SYS
        ATMOSPHERIC TEMPERATURE
        GRADIENTS
        ISOTHERMAL FLOW
        ISOTHERMAL LAYERS
        ISOTHERMAL PROCESSES
        METEOROLOGICAL PARAMETERS
        METEOROLOGY
        TEMPERATURE
        TEMPERATURE DISTRIBUTION
        TEMPERATURE GRADIENTS
        THERMAL MAPPING
        THERMODYNAMICS

ISOTONICITY
  0404 0406 0601 1204 1306
  RT    BODY FLUIDS
        OSMOSIS

ISOTOPE EFFECT
  2406
  UF    ISOTOPE SHIFT
  RT % EFFECTS
        ISOTOPES
        RADIOACTIVE ISOTOPES

ISOTOPE SEPARATION
  0602 1804 2406
  RT    ATOMS
        HEAVY IONS
        ION EXCHANGING
        ION EXTRACTION
        ISOTOPES
        JET MEMBRANE PROCESS

ISOTOPE SHIFT
  USE   ISOTOPE EFFECT

ISOTOPES
  2406
  GS    CHEMICAL ELEMENTS
        .NUCLIDES
        .#ISOTOPES
        ...ALUMINUM ISOTOPES
        ....ALUMINUM 26
        ....ALUMINUM 27
        ...ANTIMONY ISOTOPES
        ...ARGON ISOTOPES
        ...ARSENIC ISOTOPES
        ...BARIUM ISOTOPES
        ...BERYLLIUM ISOTOPES
        ....BERYLLIUM 7
        ....BERYLLIUM 9
        ....BERYLLIUM 10
        ...BISMUTH ISOTOPES
        ...BORON ISOTOPES
        ....BORON 10
        ...BROMINE ISOTOPES
        ...CADMIUM ISOTOPES
        ...CALCIUM ISOTOPES
        ...CARBON ISOTOPES
        ....CARBON 12
        ....CARBON 13
        ....CARBON 14
        ...CERIUM ISOTOPES
        ....CERIUM 137
        ....CERIUM 144
```

...CESIUM ISOTOPES
....CESIUM 133
....CESIUM 134
....CESIUM 137
....CESIUM 144
...CESIUM VAPOR
...CHROMIUM ISOTOPES
...COBALT ISOTOPES
....COBALT 58
....COBALT 60
...DYSPROSIUM ISOTOPES
...ERBIUM ISOTOPES
...EUROPIUM ISOTOPES
...FLUORINE ISOTOPES
...GADOLINIUM ISOTOPES
...GALLIUM ISOTOPES
...GERMANIUM ISOTOPES
...GOLD ISOTOPES
....GOLD 198
...HAFNIUM ISOTOPES
...HELIUM ISOTOPES
...HOLMIUM ISOTOPES
...HYDROGEN ISOTOPES
....DEUTERIUM
....HYDROGEN 4
....TRITIUM
...IODINE ISOTOPES
....IODINE 125
....IODINE 131
....IODINE 132
...IRIDIUM ISOTOPES
...IRON ISOTOPES
....IRON 57
....IRON 58
....IRON 59
...KRYPTON ISOTOPES
....KRYPTON 85
...LANTHANUM ISOTOPES
...LEAD ISOTOPES
...LITHIUM ISOTOPES
...LUTETIUM
....LUTETIUM ISOTOPES
...MANGANESE ISOTOPES
...MERCURY ISOTOPES
...MOLYBDENUM ISOTOPES
...NEODYMIUM ISOTOPES
...NEON ISOTOPES
...NICKEL ISOTOPES
...NIOBIUM ISOTOPES
....NIOBIUM 95
...NITROGEN ISOTOPES
....NITROGEN 15
....NITROGEN 16
...NOBELIUM ISOTOPES
...OXYGEN ISOTOPES
....OXYGEN 18
...PALLADIUM ISOTOPES
...PHOSPHORUS ISOTOPES
....PHOSPHORUS 32
...PLATINUM ISOTOPES
...POLONIUM ISOTOPES
....POLONIUM 208
....POLONIUM 209
....POLONIUM 210
...POTASSIUM ISOTOPES
....POTASSIUM 38
....POTASSIUM 39
....POTASSIUM 40
...PRASEODYMIUM ISOTOPES
...PROMETHIUM ISOTOPES
...PROTACTINIUM ISOTOPES
...RADIOACTIVE ISOTOPES
....ASTATINE ISOTOPES
....BERYLLIUM 7
....BERYLLIUM 9
....BERYLLIUM 10
....CARBON 14
....CERIUM 137
....CERIUM 144
....CESIUM 134
....CESIUM 137
....CESIUM 144
....COBALT 58
....COBALT 60
....GOLD 198
....INDIUM ISOTOPES
....IODINE 125
....IODINE 131
....IODINE 132
....IRON 59
....KRYPTON 85
....NIOBIUM 95
....NITROGEN 16
....PHOSPHORUS 32
....POLONIUM 208
....POLONIUM 209
....POLONIUM 210
....POTASSIUM 38
....POTASSIUM 40
....RUBIDIUM 86
....SODIUM 22
....SODIUM 24
....STRONTIUM 85
....STRONTIUM 88
....STRONTIUM 89
....STRONTIUM 90
....TRANSURANIUM ELEMENTS
.....AMERICIUM
.....AMERICIUM ISOTOPES
.....AMERICIUM 241
.....BERKELIUM
.....CALIFORNIUM
.....CALIFORNIUM ISOTOPES
.....CURIUM
.....CURIUM ISOTOPES
.....CURIUM 242
.....CURIUM 244
.....EINSTEINIUM
.....FERMIUM
.....LAWRENCIUM
.....MENDELEVIUM
.....NEPTUNIUM
.....NEPTUNIUM ISOTOPES
.....NOBELIUM
.....PLUTONIUM
.....PLUTONIUM ISOTOPES
.....PLUTONIUM 238
.....PLUTONIUM 239
.....PLUTONIUM 240
.....PLUTONIUM 241
.....PLUTONIUM 244
.....SERGENIUM
....TRITIUM
....URANIUM 232
....URANIUM 233
....URANIUM 238
....XENON 133
....XENON 135
....ZIRCONIUM 95
...RADIUM ISOTOPES
....RADIUM 226
...RADON ISOTOPES
...RHENIUM ISOTOPES
...RHODIUM ISOTOPES
...RUBIDIUM ISOTOPES
....RUBIDIUM 86
...RUTHENIUM ISOTOPES
...SCANDIUM ISOTOPES
...SELENIUM ISOTOPES
...SILVER ISOTOPES
...SODIUM ISOTOPES
....SODIUM 22
....SODIUM 24
...STRONTIUM ISOTOPES
....STRONTIUM 85
....STRONTIUM 87
....STRONTIUM 89
....STRONTIUM 90
...TANTALUM ISOTOPES
...TELLURIUM
....TELLURIUM ISOTOPES
...TERBIUM ISOTOPES
...THORIUM ISOTOPES
...THULIUM ISOTOPES
...TIN ISOTOPES

```
        ...TITANIUM ISOTOPES
        ...URANIUM ISOTOPES
        ....URANIUM 232
        ....URANIUM 233
        ....URANIUM 234
        ....URANIUM 235
        ....URANIUM 238
        ...VANADIUM ISOTOPES
        ...XENON ISOTOPES
        ....XENON 129
        ....XENON 133
        ....XENON 135
        ...YTTRIUM ISOTOPES
        ...ZINC ISOTOPES
        ...ZIRCONIUM ISOTOPES
        ....ZIRCONIUM 95
  RT    ATOMS
        HEAVY IONS
        ISOTOPE EFFECT
        ISOTOPE SEPARATION
        ISOTOPIC ENRICHMENT
        ISOTOPIC LABELING
        JET MEMBRANE PROCESS
        METALS
        NUCLEAR ISOBARS
        NUCLEI (NUCLEAR PHYSICS)
        RADIOACTIVE MATERIALS

ISOTOPIC ENRICHMENT
  0602
  GS    ENRICHMENT
        #ISOTOPIC ENRICHMENT
        ..JET MEMBRANE PROCESS
  RT    BENEFICIATION
        CHEMICAL ELEMENTS
      % CONCENTRATION
        ISOTOPES
        NUCLIDES

ISOTOPIC LABELING
  0601 0603 2405
  GS    MARKING
        #ISOTOPIC LABELING
  RT    CHEMICAL ANALYSIS
        ISOTOPES
        RADIOACTIVE ISOTOPES
        RADIOCHEMISTRY
        TRACE ELEMENTS
      % TRACERS

ISOTOPIC SPIN
  2405 2406
  GS    SPIN
        .PARTICLE SPIN
        .#ISOTOPIC SPIN

ISOTROPIC MEDIA
  2311
  GS    ISOTROPY
        #ISOTROPIC MEDIA
  RT    ANISOTROPIC MEDIA

ISOTROPIC TURBULENCE
  1202 1203 2311
  GS    TURBULENCE
        #ISOTROPIC TURBULENCE
  RT    ATMOSPHERIC TURBULENCE
        COORDINATE TRANSFORMATIONS
        HOMOGENEOUS TURBULENCE
        INSTRUMENT RECEIVERS
        INVARIANT IMBEDDINGS
        KOLMOGOROV THEORY
        MAGNETOHYDRODYNAMIC TURBULENCE
        TURBULENT FLOW

ISOTROPISM
  2311 3408
  RT    REFRACTIVITY
        SYMMETRY

ISOTROPY
  1704 2311 3408
  UF    SPATIAL ISOTROPY
  GS   #ISOTROPY
        .ISOTROPIC MEDIA
  RT    ANISOTROPIC FLUIDS
        ANISOTROPY
        BRAGG ANGLE
        CRYSTAL STRUCTURE
        CRYSTALLOGRAPHY
        CRYSTALS
        DENDRITIC CRYSTALS
        DIRECTIVITY
        FIELD STRENGTH
        MECHANICAL PROPERTIES
        METALLOGRAPHY
        OPTICAL PROPERTIES
      % ORIENTATION
      % PHYSICAL PROPERTIES

ISRAEL
  1305
  GS    NATIONS
        #ISRAEL
  RT    ASIA
        ISRAELI SPACE PROGRAM
        ISRAELI SPACECRAFT

ISRAELI SPACE PROGRAM
  3009 3409
  GS    PROGRAMS
        .SPACE PROGRAMS
        .#ISRAELI SPACE PROGRAM
  RT    ISRAEL
        ISRAELI SPACECRAFT

ISRAELI SPACECRAFT
  3009 3409
  RT    ISRAEL
        ISRAELI SPACE PROGRAM
      % SPACECRAFT

ISRO
  3403 3409
  UF    INDIAN SPACE RESEARCH ORGANIZATION
  GS    ORGANIZATIONS
        #ISRO
  RT    INDIA
        SPACE PROGRAMS

ISTHMUSES
  1305 1306
  GS    LAND
        #ISTHMUSES
        LANDFORMS
        #ISTHMUSES
  RT    GEOLOGY
        OCEANOGRAPHY
        PENINSULAS
        TOPOGRAPHY
        WATER

ISY
  USE   INTERNATIONAL SPACE YEAR

ITALIAN SPACE PROGRAM
  3409 3009
  GS    PROGRAMS
        .SPACE PROGRAMS
        ..EUROPEAN SPACE PROGRAMS
        ..#ITALIAN SPACE PROGRAM
  RT    ITALY
        ORBITING FROG OTOLITH
        SIRIO SATELLITE

ITALY
  1305
  GS    NATIONS
        #ITALY
  RT    ADRIATIC SEA
        ALPS MOUNTAINS (EUROPE)
        EUROPE
        ITALIAN SPACE PROGRAM
        SAN MARINO
        SICILY
```

SIRIO SATELLITE
VATICAN CITY

ITCHING
0405 0408
RT CONTACT DERMATITIS
DERMATITIS
HISTAMINES
SENSITIVITY
SENSORY PERCEPTION

ITERATION
1902 3501
GS ANALYSIS (MATHEMATICS)
.NUMERICAL ANALYSIS
.#ITERATION
...CONJUGATE GRADIENT METHOD
...ITERATIVE SOLUTION
...NEWTON METHODS
...PREDICTOR-CORRECTOR METHODS
RT MULTIGRID METHODS
PROBABILITY THEORY
PROBLEM SOLVING

ITERATIVE NETWORKS
1902
GS CIRCUITS
#ITERATIVE NETWORKS
RT IMPEDANCE MATCHING

ITERATIVE SOLUTION
1902 3501
GS ANALYSIS (MATHEMATICS)
.NUMERICAL ANALYSIS
..ITERATION
..#ITERATIVE SOLUTION
PROBLEM SOLVING
#ITERATIVE SOLUTION
RT ASYMPTOTIC METHODS
CHOLESKY FACTORIZATION
CONJUGATE GRADIENT METHOD
FINITE ELEMENT METHOD
MULTIGRID METHODS
NEWTON METHODS
PREDICTOR-CORRECTOR METHODS
STRANGE ATTRACTORS

ITO (SEMICONDUCTORS)
0906
UF INDIUM-TIN-OXIDE SEMICONDUCTORS
GS ELECTRONIC EQUIPMENT
.SOLID STATE DEVICES
..SEMICONDUCTOR DEVICES
...METAL OXIDE SEMICONDUCTORS
...#ITO (SEMICONDUCTORS)
SEMICONDUCTORS (MATERIALS)
.METAL OXIDE SEMICONDUCTORS
.#ITO (SEMICONDUCTORS)
RT CHARGE COUPLED DEVICES
CHARGE TRANSFER DEVICES
CMOS
HETEROJUNCTION DEVICES
ION IMPLANTATION
RECTIFIERS
SOS (SEMICONDUCTORS)

ITOS SATELLITES
2003 2004 3107
UF IMPROVED TIROS OPERATIONAL SATELLITES
GS ARTIFICIAL SATELLITES
.METEOROLOGICAL SATELLITES
..TIROS SATELLITES
..#ITOS SATELLITES
....ITOS 1
....ITOS 2
....ITOS 3
....ITOS 4
RT TIROS M
TIROS N SERIES SATELLITES

ITOS 1
2003 2004 3107
GS ARTIFICIAL SATELLITES
.METEOROLOGICAL SATELLITES
..TIROS SATELLITES
...ITOS SATELLITES
...#ITOS 1
RT TIROS M
TIROS N SERIES SATELLITES
TIROS OPERATIONAL SATELLITE SYSTEM

ITOS 2
2003 2004 3107
GS ARTIFICIAL SATELLITES
.METEOROLOGICAL SATELLITES
..TIROS SATELLITES
...ITOS SATELLITES
...#ITOS 2
RT TIROS M
TIROS N SERIES SATELLITES
TIROS OPERATIONAL SATELLITE SYSTEM

ITOS 3
2003 2004 3107
GS ARTIFICIAL SATELLITES
.METEOROLOGICAL SATELLITES
..TIROS SATELLITES
...ITOS SATELLITES
...#ITOS 3
RT TIROS M
TIROS N SERIES SATELLITES
TIROS OPERATIONAL SATELLITE SYSTEM

ITOS 4
2003 2004 3107
GS ARTIFICIAL SATELLITES
.METEOROLOGICAL SATELLITES
..TIROS SATELLITES
...ITOS SATELLITES
...#ITOS 4
RT TIROS M
TIROS N SERIES SATELLITES
TIROS OPERATIONAL SATELLITE SYSTEM

IUE
3001 3009 3107
UF INTERNATIONAL ULTRAVIOLET EXPLORER
SAS-D
GS OBSERVATORIES
.ASTRONOMICAL OBSERVATORIES
..ASTRONOMICAL SATELLITES
..#IUE
RT EXPLORER SATELLITES
EXTREME ULTRAVIOLET EXPLORER SATELLITE
RADIO ASTRONOMY
SPACEBORNE ASTRONOMY
ULTRAVIOLET RADIATION

IUS
USE INERTIAL UPPER STAGE

IVORY COAST
USE COTE D'IVOIRE

IVUNA METEORITE
3005
GS CELESTIAL BODIES
.METEORITES
..STONY METEORITES
...CARBONACEOUS METEORITES
....CARBONACEOUS CHONDRITES
....#IVUNA METEORITE
...CHONDRITES
....CARBONACEOUS CHONDRITES
....#IVUNA METEORITE

IZSAK ELLIPSOID
USE ELLIPSOIDS
GEODESY

I2S CAMERAS
1401 1407 1410
GS OPTICAL EQUIPMENT

.CAMERAS
.#I2S CAMERAS
PHOTOGRAPHIC EQUIPMENT
.CAMERAS
.#I2S CAMERAS
RT AIRCRAFT INSTRUMENTS
MULTISPECTRAL PHOTOGRAPHY
SPACECRAFT INSTRUMENTS

J INTEGRAL
3204
GS ANALYSIS (MATHEMATICS)
.FUNCTIONAL ANALYSIS
..INTEGRAL EQUATIONS
..#J INTEGRAL
.REAL VARIABLES
..MEASURE AND INTEGRATION
..#J INTEGRAL
RT CRACK INITIATION
CRACK PROPAGATION
CRACKING (FRACTURING)
CREEP RUPTURE STRENGTH
ELASTOPLASTICITY
FRACTURE MECHANICS
FRACTURE STRENGTH
INTEGRAL CALCULUS
MECHANICAL PROPERTIES
PLASTIC DEFORMATION
STRUCTURAL ANALYSIS
TOUGHNESS
YIELD STRENGTH

J-2 ENGINE
2808
GS ENGINES
.ROCKET ENGINES
..LIQUID PROPELLANT ROCKET ENGINES
...HYDROGEN OXYGEN ENGINES
...#J-2 ENGINE
RT NOVA LAUNCH VEHICLES
SATURN 1B LAUNCH VEHICLES
SATURN 5 LAUNCH VEHICLES

J-33 ENGINE
2805 2801
GS ENGINES
.AIR BREATHING ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....TURBOJET ENGINES
....#J-33 ENGINE
.INTERNAL COMBUSTION ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....TURBOJET ENGINES
....#J-33 ENGINE
.TURBINE ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....TURBOJET ENGINES
....#J-33 ENGINE
TURBOMACHINERY
#J-33 ENGINE
RT MACE MISSILES

J-34 ENGINE
2805 2801
UF XJ-34-WE-32 ENGINE
GS ENGINES
.AIR BREATHING ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....TURBOJET ENGINES
....#J-34 ENGINE
.INTERNAL COMBUSTION ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....TURBOJET ENGINES
....#J-34 ENGINE
.TURBINE ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....TURBOJET ENGINES
....#J-34 ENGINE

J-47 ENGINE
2805 2801
GS ENGINES
.AIR BREATHING ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....TURBOJET ENGINES
....#J-47 ENGINE
.INTERNAL COMBUSTION ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....TURBOJET ENGINES
....#J-47 ENGINE
.TURBINE ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....TURBOJET ENGINES
....#J-47 ENGINE

J-52 ENGINE
2801 2805
GS AIRCRAFT ENGINES
#J-52 ENGINE
ENGINES
.INTERNAL COMBUSTION ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....TURBOJET ENGINES
....#J-52 ENGINE
.TURBINE ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....TURBOJET ENGINES
....#J-52 ENGINE

J-57 ENGINE
2805 2801
GS ENGINES
.AIR BREATHING ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....TURBOJET ENGINES
....#J-57 ENGINE
.INTERNAL COMBUSTION ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....TURBOJET ENGINES
....#J-57 ENGINE
.TURBINE ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....TURBOJET ENGINES
....#J-57 ENGINE
RT AFTERBURNING

J-57-P-20 ENGINE
2801 2805
GS ENGINES
.AIR BREATHING ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....TURBOJET ENGINES
....#J-57-P-20 ENGINE
.INTERNAL COMBUSTION ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....TURBOJET ENGINES
....#J-57-P-20 ENGINE
.TURBINE ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....TURBOJET ENGINES
....#J-57-P-20 ENGINE
RT AFTERBURNING

J-58 ENGINE
0202
GS AIRCRAFT ENGINES
#J-58 ENGINE

```
J-65 ENGINE
  2805
  GS    ENGINES
        .AIR BREATHING ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-65 ENGINE
        .INTERNAL COMBUSTION ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-65 ENGINE
        .TURBINE ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-65 ENGINE
  RT    A-4 AIRCRAFT

J-69-T-25 ENGINE
  2801 2805
  UF    MARBORE 2 ENGINE
  GS    ENGINES
        .AIR BREATHING ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-69-T-25 ENGINE
        .INTERNAL COMBUSTION ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-69-T-25 ENGINE
        .TURBINE ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-69-T-25 ENGINE

J-71 ENGINE
  2805 2801
  GS    ENGINES
        .AIR BREATHING ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-71 ENGINE
        .INTERNAL COMBUSTION ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-71 ENGINE
        .TURBINE ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-71 ENGINE

J-73 ENGINE
  2805 2801
  UF    YJ-73-GE-3 ENGINE
        YJ73 TURBOJET ENGINE
  GS    ENGINES
        .AIR BREATHING ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-73 ENGINE
        .INTERNAL COMBUSTION ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-73 ENGINE
        .TURBINE ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-73 ENGINE

J-75 ENGINE
  2805 2801
  GS    ENGINES
        .AIR BREATHING ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-75 ENGINE
        .INTERNAL COMBUSTION ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-75 ENGINE
        .TURBINE ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-75 ENGINE

J-79 ENGINE
  2801 2805
  UF    XJ-79-GE-1 ENGINE
        YJ-79 ENGINE
  GS    ENGINES
        .AIR BREATHING ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-79 ENGINE
        .INTERNAL COMBUSTION ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-79 ENGINE
        .TURBINE ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-79 ENGINE
  RT    F-4 AIRCRAFT

J-85 ENGINE
  2805 2801
  UF    YJ-85 ENGINE
  GS    ENGINES
        .AIR BREATHING ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-85 ENGINE
        .INTERNAL COMBUSTION ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-85 ENGINE
        .TURBINE ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-85 ENGINE
  RT    BLUE GOOSE MISSILE
        OSPREY MISSILE

J-93 ENGINE
  2801 2805
  UF    J93-MJ252H ENGINE
        J93-MJ280G ENGINE
        YJ-93 ENGINE
        YJ-93-GE-3 ENGINE
  GS    ENGINES
        .AIR BREATHING ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-93 ENGINE
        .INTERNAL COMBUSTION ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-93 ENGINE
        .TURBINE ENGINES
        ..GAS TURBINE ENGINES
        ...JET ENGINES
        ....TURBOJET ENGINES
        ....#J-93 ENGINE
```

```
J-97 ENGINE
  2801 2805
  GS   AIRCRAFT ENGINES
       #J-97 ENGINE
       ENGINES
       .AIR BREATHING ENGINES
       ..GAS TURBINE ENGINES
       ...JET ENGINES
       ....TURBOJET ENGINES
       .....TURBOFAN ENGINES
       .....#J-97 ENGINE
       .INTERNAL COMBUSTION ENGINES
       ..GAS TURBINE ENGINES
       ...JET ENGINES
       ....TURBOJET ENGINES
       .....TURBOFAN ENGINES
       .....#J-97 ENGINE
       .TURBINE ENGINES
       ..GAS TURBINE ENGINES
       ...JET ENGINES
       ....TURBOJET ENGINES
       .....TURBOFAN ENGINES
       .....#J-97 ENGINE

JABIRU ROCKET VEHICLE
  USE  JAGUAR ROCKET VEHICLE

JACKETS
  0508 1504 2203 2801
  SN   (EXCLUDES CLOTHING)
  RT   ABSORBERS (MATERIALS)
     % CASING
       COOLING
       COVERINGS
       HEATING
       INSULATION
       LININGS
       SHEATHS

JACKING EQUIPMENT
  USE  JACKS (LIFTS)

% JACKS
  0202 0904 0905 1103 1504
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   ELECTRIC CONNECTORS
       ELEVATORS (LIFTS)
       JACKS (LIFTS)

JACKS (ELECTRICAL)
  USE  ELECTRIC CONNECTORS

JACKS (LIFTS)
  1504 2308
  UF   JACKING EQUIPMENT
  RT % JACKS
     % LIFTS
       POSITIONING DEVICES (MACHINERY)
       TUNNELING (EXCAVATION)

JACOBI INTEGRAL
  1902
  GS   ANALYSIS (MATHEMATICS)
       .REAL VARIABLES
       .#JACOBI INTEGRAL
  RT   CONFORMAL MAPPING
       DIFFUSION THEORY
       ELLIPTIC FUNCTIONS
       GREEN'S FUNCTIONS
       POTENTIAL THEORY
       WEIERSTRASS FUNCTIONS

JACOBI MATRIX METHOD
  1902
  GS   ANALYSIS (MATHEMATICS)
       .REAL VARIABLES
       .#JACOBI MATRIX METHOD
  RT   CALCULUS OF VARIATIONS
       EIGENVALUES
       EIGENVECTORS
       HERMITIAN POLYNOMIAL
     % METHODOLOGY

JACOBI POLYNOMIALS
  USE  HYPERGEOMETRIC FUNCTIONS

JAGUAR AIRCRAFT
  3401 0207
  GS   ATTACK AIRCRAFT
       .FIGHTER AIRCRAFT
       .#JAGUAR AIRCRAFT
       SINGLE ENGINE AIRCRAFT
       #JAGUAR AIRCRAFT
       SUPERSONIC AIRCRAFT
       #JAGUAR AIRCRAFT
       TRAINING AIRCRAFT
       #JAGUAR AIRCRAFT
  RT % AIRCRAFT
       BREGUET AIRCRAFT
     % MILITARY AIRCRAFT

JAGUAR ROCKET VEHICLE
  3106 3108 3409
  UF   JABIRU ROCKET VEHICLE
  GS   ROCKET VEHICLES
       .MULTISTAGE ROCKET VEHICLES
       .#JAGUAR ROCKET VEHICLE
       .SOUNDING ROCKETS
       .#JAGUAR ROCKET VEHICLE
  RT   SOLID PROPELLANT ROCKET ENGINES

JAHN-TELLER EFFECT
  1701
  RT % EFFECTS
       ELECTRON PARAMAGNETIC RESONANCE
       ELECTRON TRANSITIONS
       ORBITALS

JAMAICA
  1305
  GS   LANDFORMS
       .ISLANDS
       ..WEST INDIES
       ..#JAMAICA
       NATIONS
       #JAMAICA
  RT   CARIBBEAN REGION

JAMMERS
  0702 0704
  RT   AIR DEFENSE
       JAMMING
       RADAR EQUIPMENT
       RADIO EQUIPMENT

JAMMING
  0702 0704
  GS   COUNTERMEASURES
       #JAMMING
       ELECTROMAGNETIC INTERFERENCE
       #JAMMING
  RT   CLUTTER
       ELECTRONIC COUNTERMEASURES
       ELECTRONIC WARFARE
       FREQUENCY HOPPING
     % INTERFERENCE
       JAMMERS
       RADIO FREQUENCY INTERFERENCE
       WHITE NOISE

JANUS
  3008
  GS   CELESTIAL BODIES
       .NATURAL SATELLITES
       ..SATURN SATELLITES
       ..#JANUS
  RT   SATURN (PLANET)

JANUS REACTOR
  2201 2204
  GS   NUCLEAR REACTORS
       .NUCLEAR RESEARCH AND TEST REACTORS
```

.#JANUS REACTOR

JANUS SPACECRAFT
2202 2204 3106
GS GLIDERS
#JANUS SPACECRAFT
LIFTING BODIES
.LIFTING REENTRY VEHICLES
.#JANUS SPACECRAFT
MANEUVERABLE SPACECRAFT
#JANUS SPACECRAFT
MANNED SPACECRAFT
#JANUS SPACECRAFT
REENTRY VEHICLES
.MANEUVERABLE REENTRY BODIES
..LIFTING REENTRY VEHICLES
..#JANUS SPACECRAFT
SOFT LANDING SPACECRAFT
#JANUS SPACECRAFT

JAPAN
1305
GS LANDFORMS
.ISLANDS
..PACIFIC ISLANDS
..#JAPAN
NATIONS
#JAPAN
RT ASIA
JAPANESE SPACE PROGRAM
JAPANESE SPACECRAFT

JAPANESE SPACE PROGRAM
3009 3409
GS PROGRAMS
.SPACE PROGRAMS
.#JAPANESE SPACE PROGRAM
RT GINGA SATELLITE
JAPAN
JAPANESE SPACECRAFT
METEOROLOGICAL SATELLITES
% RESEARCH PROJECTS
SATELLITE DESIGN
SPACE MISSIONS
SPACE TRANSPORTATION
% SPACECRAFT
SPACECRAFT DESIGN
TENMA SATELLITE

JAPANESE SPACECRAFT
3107 3110
UF MOS (JAPANESE SPACECRAFT)
GS #JAPANESE SPACECRAFT
.EXOS SATELLITES
..EXOS-A SATELLITE
..EXOS-B SATELLITE
..EXOS-C SATELLITE
..EXOS-D SATELLITE
.GINGA SATELLITE
.TENMA SATELLITE
RT JAPAN
JAPANESE SPACE PROGRAM
% SPACECRAFT

JARRING
USE MECHANICAL SHOCK

JATO ENGINES
0201 2802 2805
UF JET ASSISTED TAKEOFF
GS ENGINES
#JATO ENGINES
LAUNCHERS
.AIRCRAFT LAUNCHING DEVICES
.#JATO ENGINES
RT SHORT TAKEOFF AIRCRAFT
SOLID PROPELLANT ROCKET ENGINES
TAKEOFF

JAVELIN AIRCRAFT
USE GA-5 AIRCRAFT

JAVELIN ROCKET VEHICLE
3106 3108
GS ROCKET VEHICLES
.MULTISTAGE ROCKET VEHICLES
.#JAVELIN ROCKET VEHICLE
RT ARGO ROCKET VEHICLES
ROCKET PROPELLED SLEDS
SOLID PROPELLANT ROCKET ENGINES
SOUNDING ROCKETS

JC-130 AIRCRAFT
USE C-130 AIRCRAFT

JEANS THEORY
2405
RT % THEORIES

JEEPS
USE AUTOMOBILES

JERBOAS
0402
GS ANIMALS
.VERTEBRATES
..MAMMALS
...RODENTS
....MICE
....#JERBOAS

JET AIRCRAFT
0204 0207 2805 3401
UF JET FLIGHT
TURBOJET AIRCRAFT
GS #JET AIRCRAFT
.A-2 AIRCRAFT
.A-3 AIRCRAFT
.A-4 AIRCRAFT
.A-5 AIRCRAFT
.A-6 AIRCRAFT
.ALPHA JET AIRCRAFT
.AN-2 AIRCRAFT
.AVRO 707 AIRCRAFT
.B-47 AIRCRAFT
.B-50 AIRCRAFT
.B-52 AIRCRAFT
.B-57 AIRCRAFT
.B-58 AIRCRAFT
.B-66 AIRCRAFT
.B-70 AIRCRAFT
.BOEING 747 AIRCRAFT
.BOEING 2707 AIRCRAFT
.BUCCANEER AIRCRAFT
.C-5 AIRCRAFT
.C-8A AUGMENTOR WING AIRCRAFT
.C-9 AIRCRAFT
.C-119 AIRCRAFT
.C-135 AIRCRAFT
.C-140 AIRCRAFT
.CANBERRA AIRCRAFT
.CL-41 AIRCRAFT
.CL-823 AIRCRAFT
.COMET 4 AIRCRAFT
.CV-880 AIRCRAFT
.D-558 AIRCRAFT
.DC 9 AIRCRAFT
.DC 10 AIRCRAFT
.DH 112 AIRCRAFT
.DH 115 AIRCRAFT
.DH 125 AIRCRAFT
.DHC 2 AIRCRAFT
.EUROPEAN AIRBUS
..A-300 AIRCRAFT
..A-310 AIRCRAFT
..A-320 AIRCRAFT
.F-2 AIRCRAFT
.F-5 AIRCRAFT
.F-8 AIRCRAFT
.F-9 AIRCRAFT
.F-14 AIRCRAFT
.F-15 AIRCRAFT
.F-16 AIRCRAFT
.F-17 AIRCRAFT
.F-18 AIRCRAFT

.F-20 AIRCRAFT
.F-22 AIRCRAFT
.F-84 AIRCRAFT
.F-86 AIRCRAFT
.F-89 AIRCRAFT
.F-94 AIRCRAFT
.F-100 AIRCRAFT
.F-101 AIRCRAFT
.F-102 AIRCRAFT
.F-104 AIRCRAFT
.F-105 AIRCRAFT
.F-106 AIRCRAFT
.F-117A AIRCRAFT
.FD 2 AIRCRAFT
.G-91 AIRCRAFT
.G-95/4 AIRCRAFT
.GA-5 AIRCRAFT
.H-17 HELICOPTER
.H-126 AIRCRAFT
.HFB-320 AIRCRAFT
.HP-115 AIRCRAFT
.HS-801 AIRCRAFT
.JET PROVOST AIRCRAFT
.JETSTREAM AIRCRAFT
.JINDIVIK TARGET AIRCRAFT
.L-29 JET TRAINER
.L-1011 AIRCRAFT
.L-2000 AIRCRAFT
.LEAR JET AIRCRAFT
.MIRAGE AIRCRAFT
..MIRAGE 3 AIRCRAFT
.NORD 1500 AIRCRAFT
.P-3 AIRCRAFT
.P-308 AIRCRAFT
.PD-808 AIRCRAFT
.PHANTOM AIRCRAFT
..F-4 AIRCRAFT
.SC-1 AIRCRAFT
.SCIMITAR AIRCRAFT
.T-2 AIRCRAFT
.T-33 AIRCRAFT
.T-37 AIRCRAFT
.T-38 AIRCRAFT
.T-39 AIRCRAFT
.TS-11 AIRCRAFT
.TSR-2 AIRCRAFT
.TU-104 AIRCRAFT
.TU-124 AIRCRAFT
.TURBOFAN AIRCRAFT
..A-7 AIRCRAFT
..BAC 111 AIRCRAFT
..BOEING 707 AIRCRAFT
..BOEING 720 AIRCRAFT
..BOEING 727 AIRCRAFT
..BOEING 733 AIRCRAFT
..BOEING 737 AIRCRAFT
..BOEING 757 AIRCRAFT
..BOEING 767 AIRCRAFT
..C-141 AIRCRAFT
..CL-600 CHALLENGER AIRCRAFT
..CONCORDE AIRCRAFT
..CV-990 AIRCRAFT
..DC 8 AIRCRAFT
..DH 121 AIRCRAFT
..DO-31 AIRCRAFT
..F-28 TRANSPORT AIRCRAFT
..F-111 AIRCRAFT
..IL-62 AIRCRAFT
..MYSTERE 20 AIRCRAFT
..P-1127 AIRCRAFT
..P-1154 AIRCRAFT
..SAAB 37 AIRCRAFT
..SAAB 105 AIRCRAFT
..SE-210 AIRCRAFT
..TU-134 AIRCRAFT
..TU-144 AIRCRAFT
.TURBOPROP AIRCRAFT
..AN-22 AIRCRAFT
..AN-24 AIRCRAFT
..ARGOSY MK-1 AIRCRAFT
..BREGUET 941 AIRCRAFT
..BREGUET 1150 AIRCRAFT
..C-2 AIRCRAFT
..C-130 AIRCRAFT
..C-133 AIRCRAFT
..C-160 AIRCRAFT
..CL-44 AIRCRAFT
..CL-84 AIRCRAFT
..DHC 5 AIRCRAFT
..E-2 AIRCRAFT
..ELECTRA AIRCRAFT
..F-27 AIRCRAFT
..G-222 AIRCRAFT
..HS-748 AIRCRAFT
..MH-262 AIRCRAFT
..OV-1 AIRCRAFT
..OV-10 AIRCRAFT
..SC-5 AIRCRAFT
..VISCOUNT AIRCRAFT
..YS-11 AIRCRAFT
.U-2 AIRCRAFT
.VALIANT AIRCRAFT
.VAMPIRE MK 35 AIRCRAFT
.VC-10 AIRCRAFT
.VICTOR MK-1 AIRCRAFT
.VJ-101 AIRCRAFT
.VULCAN AIRCRAFT
.X-3 AIRCRAFT
.X-5 AIRCRAFT
.X-13 AIRCRAFT
.X-14 AIRCRAFT
.X-21 AIRCRAFT
.X-21A AIRCRAFT
.XC-142 AIRCRAFT
.XV-4 AIRCRAFT
.XV-5 AIRCRAFT
.XV-9A AIRCRAFT
.YAK 40 AIRCRAFT
RT % AIRCRAFT
AIRCRAFT NOISE
ATTACK AIRCRAFT
B-1 AIRCRAFT
B-2 AIRCRAFT
BOMBER AIRCRAFT
CARGO AIRCRAFT
COMMERCIAL AIRCRAFT
FIGHTER AIRCRAFT
FLYING PLATFORMS
GENERAL AVIATION AIRCRAFT
HYPERSONIC AIRCRAFT
% JETS
% LOW WING AIRCRAFT
% MILITARY AIRCRAFT
MYSTERE 50 AIRCRAFT
PASSENGER AIRCRAFT
RECONNAISSANCE AIRCRAFT
RESEARCH AIRCRAFT
SHORT TAKEOFF AIRCRAFT
% SUBSONIC AIRCRAFT
SUPERSONIC AIRCRAFT
TAILLESS AIRCRAFT
TANDEM WING AIRCRAFT
TERRAIN FOLLOWING AIRCRAFT
TRAINING AIRCRAFT
TRANSPORT AIRCRAFT
TU-154 AIRCRAFT
TURBOJET ENGINES
V/STOL AIRCRAFT
% WINGED VEHICLES
YF-12 AIRCRAFT

JET AIRCRAFT NOISE
0203
UF JET NOISE
GS ELASTIC WAVES
.SOUND WAVES
..NOISE (SOUND)
...AIRCRAFT NOISE
...#JET AIRCRAFT NOISE
RT ACOUSTIC RETROFITTING
AERODYNAMIC NOISE
% AIRCRAFT
AIRCRAFT RUNUP
ENGINE NOISE
MUFFLERS

NOISE MEASUREMENT
NOISE REDUCTION
QUIET ENGINE PROGRAM
SONIC BOOMS

JET AIRSTREAMS
USE JET STREAMS (METEOROLOGY)

JET AMPLIFIERS
1201 1202 2311
UF FLUID JET AMPLIFIERS
GS AMPLIFIERS
.FLUID AMPLIFIERS
.#JET AMPLIFIERS
RT COANDA EFFECT
FLUID JETS
% JET NOZZLES
NOZZLE WALLS

JET ASSISTED TAKEOFF
USE JATO ENGINES

JET AUGMENTED WING FLAPS
USE JET FLAPS
WING FLAPS

JET BLAST EFFECTS
2311 2805 2808 3301
RT % BLASTS
% EFFECTS
EXHAUST GASES
GROUND EFFECT (AERODYNAMICS)
NOISE (SOUND)
PRESSURE EFFECTS
TEMPERATURE EFFECTS

JET BOUNDARIES
0101 1201 1202
GS BOUNDARIES
.FLUID BOUNDARIES
.#JET BOUNDARIES
INTERFACES
.FLUID BOUNDARIES
.#JET BOUNDARIES
RT FREE JETS
LIQUID SURFACES
WALL JETS

JET CONDENSERS
1202 2311
GS CONDENSERS (LIQUEFIERS)
#JET CONDENSERS
RT % CONDENSERS
LIQUEFACTION
NUCLEATION
SPRAY CONDENSERS
WORKING FLUIDS

JET CONTROL
0104 1202
RT AUTOMATIC CONTROL
BOUNDARY LAYER CONTROL
% CONTROL
DIRECTIONAL CONTROL
SATELLITE ATTITUDE CONTROL
SATELLITE CONTROL
THRUST CONTROL
VARIABLE THRUST

JET DAMPING
USE DAMPING
SPIN REDUCTION

JET DRAGON AIRCRAFT
USE DH 125 AIRCRAFT

JET DRIVE
USE JET PROPULSION

JET ENGINE FUELS
2701 2702 3301
UF JET FUELS
GS FUELS
.CHEMICAL FUELS
..HYDROCARBON FUELS
..#JET ENGINE FUELS
....JP-4 JET FUEL
....JP-5 JET FUEL
....JP-6 JET FUEL
....JP-8 JET FUEL
..LIQUID FUELS
..#JET ENGINE FUELS
....JP-4 JET FUEL
....JP-5 JET FUEL
....JP-6 JET FUEL
....JP-8 JET FUEL
RT AIRCRAFT FUELS
ANTIMISTING FUELS
GASOLINE
KEROSENE
TURBINES

JET ENGINES
2805
SN (EXCLUDES HYDROJET ENGINES)
GS ENGINES
.AIR BREATHING ENGINES
..GAS TURBINE ENGINES
..#JET ENGINES
....RAMJET ENGINES
.....INTEGRAL ROCKET RAMJETS
.....LOW VOLUME RAMJET ENGINES
.....PULSEJET ENGINES
.....SUPERSONIC COMBUSTION RAMJET ENGINES
.....TURBORAMJET ENGINES
....TURBOJET ENGINES
.....BRISTOL-SIDDELEY OLYMPUS 593 ENGINE
.....BRISTOL-SIDDELEY VIPER ENGINE
.....DUCTED FAN ENGINES
.....J-33 ENGINE
.....J-34 ENGINE
.....J-47 ENGINE
.....J-57 ENGINE
.....J-57-P-20 ENGINE
.....J-65 ENGINE
.....J-69-T-25 ENGINE
.....J-71 ENGINE
.....J-73 ENGINE
.....J-75 ENGINE
.....J-79 ENGINE
.....J-85 ENGINE
.....J-93 ENGINE
.....RA-28 ENGINE
.....TURBOFAN ENGINES
.....BRISTOL-SIDDELEY BS 53 ENGINE
.....CF-700 ENGINE
.....CONVERTIBLE FAN-SHAFT ENGINES
.....J-97 ENGINE
.....TF-41 ENGINE
.....TURBOPROP ENGINES
.....T-53 ENGINE
.....T-56 ENGINE
.....T-64 ENGINE
.....T-74 ENGINE
.....TURBORAMJET ENGINES
.INTERNAL COMBUSTION ENGINES
..GAS TURBINE ENGINES
..#JET ENGINES
....RAMJET ENGINES
.....INTEGRAL ROCKET RAMJETS
.....LOW VOLUME RAMJET ENGINES
.....PULSEJET ENGINES
.....SUPERSONIC COMBUSTION RAMJET ENGINES
.....TURBORAMJET ENGINES
....T-63 ENGINE
....T-76 ENGINE
....TURBOJET ENGINES
.....BRISTOL-SIDDELEY OLYMPUS 593 ENGINE
.....BRISTOL-SIDDELEY VIPER ENGINE
.....DUCTED FAN ENGINES
.....J-33 ENGINE

.....J-34 ENGINE
.....J-47 ENGINE
.....J-52 ENGINE
.....J-57 ENGINE
.....J-57-P-20 ENGINE
.....J-65 ENGINE
.....J-69-T-25 ENGINE
.....J-71 ENGINE
.....J-73 ENGINE
.....J-75 ENGINE
.....J-79 ENGINE
.....J-85 ENGINE
.....J-93 ENGINE
.....RA-28 ENGINE
.....TURBOFAN ENGINES
.....BRISTOL-SIDDELEY BS 53 ENGINE
.....CF-700 ENGINE
.....CONVERTIBLE FAN-SHAFT ENGINES
.....J-97 ENGINE
.....TF-30 ENGINE
.....TF-41 ENGINE
.....TURBOPROP ENGINES
.....T-34 ENGINE
.....T-38 ENGINE
.....T-53 ENGINE
.....T-56 ENGINE
.....T-64 ENGINE
.....T-74 ENGINE
.....T-78 ENGINE
.....TURBORAMJET ENGINES
.TURBINE ENGINES
..GAS TURBINE ENGINES
..#JET ENGINES
....RAMJET ENGINES
.....LOW VOLUME RAMJET ENGINES
.....PULSEJET ENGINES
.....SUPERSONIC COMBUSTION RAMJET ENGINES
.....TURBORAMJET ENGINES
....T-63 ENGINE
....T-76 ENGINE
....TURBOJET ENGINES
.....BRISTOL-SIDDELEY OLYMPUS 593 ENGINE
.....BRISTOL-SIDDELEY VIPER ENGINE
.....DUCTED FAN ENGINES
.....J-33 ENGINE
.....J-34 ENGINE
.....J-47 ENGINE
.....J-52 ENGINE
.....J-57 ENGINE
.....J-57-P-20 ENGINE
.....J-65 ENGINE
.....J-69-T-25 ENGINE
.....J-71 ENGINE
.....J-73 ENGINE
.....J-75 ENGINE
.....J-79 ENGINE
.....J-85 ENGINE
.....J-93 ENGINE
.....RA-28 ENGINE
.....TURBOFAN ENGINES
.....BRISTOL-SIDDELEY BS 53 ENGINE
.....CF-700 ENGINE
.....CONVERTIBLE FAN-SHAFT ENGINES
.....J-97 ENGINE
.....TF-30 ENGINE
.....TF-41 ENGINE
.....TURBOPROP ENGINES
.....T-34 ENGINE
.....T-38 ENGINE
.....T-53 ENGINE
.....T-56 ENGINE
.....T-64 ENGINE
.....T-74 ENGINE
.....T-78 ENGINE
.....TURBORAMJET ENGINES
RT AFTERBURNING
AIRCRAFT ENGINES
COMBUSTION CHAMBERS
EJECTORS
ENGINE STARTERS
EXHAUST NOZZLES
FLAMEOUT
FLYING EJECTION SEATS
FUEL INJECTION
FUEL PUMPS
HELICOPTER ENGINES
HYBRID PROPELLANT ROCKET ENGINES
HYBRID PROPULSION
INFRARED SUPPRESSION
% JET NOZZLES
QUIET ENGINE PROGRAM
REACTION PRODUCTS
ROCKET ENGINES
THRUST

JET EXHAUST
1202 2805 3301
UF HOT JET EXHAUST
RT BASE HEATING
EXHAUST EMISSION
EXHAUST GASES
INFRARED SUPPRESSION
ROCKET EXHAUST

JET FLAMES
USE FLAMES
JET FLOW

JET FLAPS
0101 0104
UF JET AUGMENTED WING FLAPS
GS AIRFOILS
.FLAPS (CONTROL SURFACES)
.#JET FLAPS
CONTROL SURFACES
.FLAPS (CONTROL SURFACES)
.#JET FLAPS
RT EXTERNALLY BLOWN FLAPS
H-126 AIRCRAFT
SHORT TAKEOFF AIRCRAFT
SPLIT FLAPS
TRAILING EDGE FLAPS
VORTEX FLAPS
WING FLAPS

JET FLIGHT
USE JET AIRCRAFT

JET FLOW
0101 1201 1202 1203
UF HOT JETS
JET FLAMES
LAMINAR JETS
REACTION JETS
GS FLUID FLOW
#JET FLOW
..AIR JETS
..PERIPHERAL JET FLOW
..SUPERSONIC JET FLOW
RT FLUID JETS
FREE BOUNDARIES
FREE JETS
GAS STREAMS
HYDRAULIC JETS
INJECTORS
JET MEMBRANE PROCESS
% JETS
NOZZLE FLOW
PARTICLE LADEN JETS
SPANWISE BLOWING
TWO DIMENSIONAL JETS
VAPOR JETS
WALL JETS

JET FUELS
USE JET ENGINE FUELS

JET IMPINGEMENT
0201 1202
GS IMPINGEMENT
#JET IMPINGEMENT
RT ABLATION
BASE HEATING

```
JET LAG
  0201
  GS    BIOLOGICAL EFFECTS
        #JET LAG
        DISORIENTATION
        #JET LAG
        PSYCHOLOGICAL EFFECTS
        #JET LAG
  RT    DESYNCHRONIZATION (BIOLOGY)
        DISORDERS
        FLIGHT STRESS (BIOLOGY)
        RHYTHM (BIOLOGY)
        SUPERSONIC FLIGHT

JET LIFT
  0201 0209
  GS    AERODYNAMIC CHARACTERISTICS
        .LIFT
        .#JET LIFT
        AERODYNAMIC FORCES
        .LIFT
        .#JET LIFT
        DYNAMIC CHARACTERISTICS
        .LIFT
        .#JET LIFT
  RT    DISTRIBUTION (PROPERTY)

JET MEMBRANE PROCESS
  2406
  GS    ENRICHMENT
        .ISOTOPIC ENRICHMENT
        .#JET MEMBRANE PROCESS
  RT    GAS DYNAMICS
        ISOTOPE SEPARATION
        ISOTOPES
        JET FLOW
        MEMBRANES
      % PROCESSES
        URANIUM

JET MIXING FLOW
  1202 1203
  GS    FLUID FLOW
        #JET MIXING FLOW
  RT    FLUID JETS
        FREE BOUNDARIES
        FUEL INJECTION
        INJECTORS
      % JETS
        MIXING
        MIXING LAYERS (FLUIDS)
        PREMIXING
        TWO DIMENSIONAL JETS

JET NOISE
  USE   JET AIRCRAFT NOISE

% JET NOZZLES
  0201 1201 1202
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    CARBURETORS
        CONICAL NOZZLES
        EXHAUST DIFFUSERS
        EXHAUST NOZZLES
        FUEL INJECTION
        INJECTORS
        JET AMPLIFIERS
        JET ENGINES
        SKIRTS

JET PILOTS
  USE   AIRCRAFT PILOTS

JET PROPULSION
  2805
  UF    JET DRIVE
  GS    PROPULSION
        #JET PROPULSION
  RT    AIRCRAFT ENGINES
        CHEMICAL PROPULSION
        HELICOPTER PROPELLER DRIVE
        MARINE PROPULSION
        ROCKET ENGINES
        SQUID PROJECT
        TURBINES

JET PROVOST AIRCRAFT
  0207
  UF    HUNTING P-84 AIRCRAFT
        P-84 AIRCRAFT
  GS    ATTACK AIRCRAFT
        .FIGHTER AIRCRAFT
        .#JET PROVOST AIRCRAFT
        BAC AIRCRAFT
        #JET PROVOST AIRCRAFT
        JET AIRCRAFT
        #JET PROVOST AIRCRAFT
        MONOPLANES
        #JET PROVOST AIRCRAFT
        SINGLE ENGINE AIRCRAFT
        #JET PROVOST AIRCRAFT
        TRAINING AIRCRAFT
        #JET PROVOST AIRCRAFT
  RT % AIRCRAFT

JET PUMPS
  1202 1203 1501
  SN    (EXCLUDES DEVICES USING A LIQUID
        OR GAS TO INDUCE MOVEMENT OF A GAS
        SUCH AS AIR EJECTORS)
  GS    PUMPS
        #JET PUMPS
  RT    EJECTORS
        FUEL PUMPS
      % JETS
      % PUMPING
        TURBINE PUMPS
        VACUUM PUMPS

JET STAR AIRCRAFT
  USE   C-140 AIRCRAFT

JET STREAMS (METEOROLOGY)
  1301 1302 2003
  UF    JET AIRSTREAMS
  GS    FLUID FLOW
        .GAS FLOW
        ..AIR FLOW
        ...AIR CURRENTS
        ...#JET STREAMS (METEOROLOGY)
        MESOSCALE PHENOMENA
        #JET STREAMS (METEOROLOGY)
        WIND (METEOROLOGY)
        .WINDS ALOFT
        .#JET STREAMS (METEOROLOGY)
  RT    AIR JETS
        ATMOSPHERIC CIRCULATION
        CIRCUMPOLAR WESTERLIES
        CLEAR AIR TURBULENCE
        COANDA EFFECT
        FLUID JETS
        FREE BOUNDARIES
        TURBULENT JETS
        ZONAL FLOW (METEOROLOGY)

JET THRUST
  0201 1203 2805 3501
  UF    REACTION JETS
  GS    THRUST
        #JET THRUST
  RT    COLD GAS
        CONVERTIBLE FAN-SHAFT ENGINES
        HIGH THRUST
        LOW THRUST
        MICROTHRUST
        ROCKET THRUST
        STATIC THRUST
        THRUST LOADS
        VARIABLE THRUST

JET VANES
  0104 1202 1203 1504 2806 2807
```

```
  GS    CONTROL SURFACES
        .GUIDE VANES
        .#JET VANES
        VANES
        .GUIDE VANES
        .#JET VANES
  RT    AIRFOILS
        THRUST VECTOR CONTROL
        WALL JETS

JETAVATORS
  USE   GUIDE VANES

% JETS
  0201 0203 0204 0205 0207 0209 1203
  2805 3501
  SN    (USE OF A MORE SPECIFIC TERM IS
        RECOMMENDED--CONSULT THE TERMS
        LISTED BELOW)
  RT    AIR JETS
        FLUID JETS
        FREE JETS
        GAS JETS
        INJECTORS
        JET AIRCRAFT
        JET FLOW
        JET MIXING FLOW
        JET PUMPS
        PLASMA JETS
        SPRAYERS
        TURBULENT JETS
        TWO DIMENSIONAL JETS
        WALL JETS

JETSTREAM AIRCRAFT
  0204
  GS    COMMERCIAL AIRCRAFT
        #JETSTREAM AIRCRAFT
        GRUMMAN AIRCRAFT
        #JETSTREAM AIRCRAFT
        JET AIRCRAFT
        #JETSTREAM AIRCRAFT
        PASSENGER AIRCRAFT
        #JETSTREAM AIRCRAFT
  RT %  AIRCRAFT

JETTIES
  USE   BREAKWATERS

JETTISON SYSTEMS
  0202 0303 3104
  RT    BAILOUT
        EJECTION
        EJECTION SEATS
        ESCAPE (ABANDONMENT)
        ESCAPE SYSTEMS
        JETTISONING
      % SYSTEMS
        WING TANKS

JETTISONING
  0201 0203
  RT    BAILOUT
        DISPOSAL
        DUMPING
        EJECTION
        EMPTYING
        ESCAPE (ABANDONMENT)
        EXPULSION
        JETTISON SYSTEMS
        SPILLING

JF 101 AIRCRAFT
  USE   F-101 AIRCRAFT

JFET
  0906
  UF    JUNCTION FIELD EFFECT TRANSISTORS
  GS    ELECTRONIC EQUIPMENT
        .SOLID STATE DEVICES
        ..SEMICONDUCTOR DEVICES
        ...TRANSISTORS
        ....FIELD EFFECT TRANSISTORS
        ....#JFET
        ....JUNCTION TRANSISTORS
        ....#JFET
  RT    BARRIER LAYERS
      % JUNCTIONS

JIGS
  1504 3203
  GS    POSITIONING DEVICES (MACHINERY)
        #JIGS
  RT    CLAMPS
        FIXTURES
        HOLDERS
        MECHANICAL DEVICES
        TOOLS

JIKIKEN SATELLITE
  USE   EXOS-B SATELLITE

JIMSPHERE BALLOONS
  0205 3202
  GS    EXPANDABLE STRUCTURES
        .INFLATABLE STRUCTURES
        ..BALLOONS
        ...HIGH ALTITUDE BALLOONS
        ...#JIMSPHERE BALLOONS
        ...METEOROLOGICAL BALLOONS
        ...#JIMSPHERE BALLOONS
  RT    WIND (METEOROLOGY)

JINDIVIK TARGET AIRCRAFT
  0207 3401
  GS    DRONE VEHICLES
        .DRONE AIRCRAFT
        ..TARGET DRONE AIRCRAFT
        ..#JINDIVIK TARGET AIRCRAFT
        JET AIRCRAFT
        #JINDIVIK TARGET AIRCRAFT
        MONOPLANES
        #JINDIVIK TARGET AIRCRAFT
        PILOTLESS AIRCRAFT
        .DRONE AIRCRAFT
        ..TARGET DRONE AIRCRAFT
        ..#JINDIVIK TARGET AIRCRAFT
        TARGETS
        #JINDIVIK TARGET AIRCRAFT
  RT %  AIRCRAFT
        REMOTELY PILOTED VEHICLES

JITTER
  USE   VIBRATION

JOBS
  USE   TASKS

JODRELL BANK OBSERVATORY
  1412 3001
  GS    OBSERVATORIES
        #JODRELL BANK OBSERVATORY
  RT    ASTRONOMICAL OBSERVATORIES
        GROUND STATIONS
        RADIO TELESCOPES
        TRACKING STATIONS

JOHNSTON ISLAND
  1305
  GS    LANDFORMS
        .ISLANDS
        ..PACIFIC ISLANDS
        ..#JOHNSTON ISLAND

JOINED WINGS
  0104
  GS    AIRFOILS
        .WINGS
        .#JOINED WINGS
  RT    AIRCRAFT CONFIGURATIONS
        DUAL WING CONFIGURATIONS
        RESEARCH AIRCRAFT
        TANDEM WING AIRCRAFT
        WING TIPS
```

% JOINING
1504 3203
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
UF INTERCONNECTION
LINKING
RT ADHESION
ADHESIVE BONDING
ASSEMBLING
BEAM LEADS
BINDING
BONDING
BRAZING
COLD WORKING
COUPLINGS
CROSSLINKING
FITTING
FUSION (MELTING)
INERTIA BONDING
JOINTS (JUNCTIONS)
LOCKING
MOORING
MOUNTING
POSITIONING
RETAINING
RIVETING
SEALING
SEWING
SOLDERING
SPLICING
ULTRASONIC SOLDERING
WELDING
YOKES

JOINT EUROPEAN TORUS
2502
GS NUCLEAR REACTORS
.TOKAMAK DEVICES
.#JOINT EUROPEAN TORUS
PLASMA GENERATORS
.TOKAMAK DEVICES
.#JOINT EUROPEAN TORUS
RT CONTROLLED FUSION
REACTOR TECHNOLOGY

JOINTS (ANATOMY)
0404 0405 0506 0508
GS ANATOMY
.MUSCULOSKELETAL SYSTEM
.#JOINTS (ANATOMY)
...ELBOW (ANATOMY)
...KNEE (ANATOMY)
...WRIST
RT ARTHRITIS
BONES
CONNECTIVE TISSUE
FLEXORS
LIGAMENTS
SHOULDERS

JOINTS (JUNCTIONS)
1504 1507 3202
UF CONNECTIONS
SHANKS
GS #JOINTS (JUNCTIONS)
.BOLTED JOINTS
.BONDED JOINTS
.BUTT JOINTS
.INTERFERENCE FIT
.LAP JOINTS
.METAL JOINTS
..SOLDERED JOINTS
..WELDED JOINTS
...SPOT WELDS
.RIVETED JOINTS
.SEAMS (JOINTS)
RT ADAPTERS
ADHESIVES
BALLS
BARRIER LAYERS
BELLOWS
BONDING
CLOSURES
CONNECTORS
CORNERS
COUPLINGS
FASTENERS
FILLETS
FITTINGS
% JOINING
% JUNCTIONS
LINKAGES
METAL BONDING
SLEEVES
STRUCTURAL MEMBERS
SWIVELS
UNIONS (CONNECTORS)

JORDAN
1305
GS NATIONS
#JORDAN

JORDAN FORM
1902
GS ALGEBRA
.VECTOR SPACES
..MATRICES (MATHEMATICS)
..#JORDAN FORM
RT EIGENVALUES
LINEAR TRANSFORMATIONS
TENSORS

JOSEPHSON JUNCTIONS
2309 2602 2603
RT HIGH TEMPERATURE SUPERCONDUCTORS
SIS (SUPERCONDUCTORS)
SQUID (DETECTORS)
SUPERCONDUCTIVITY
TUNNEL JUNCTIONS

JOUKOWSKI TRANSFORMATION
0101 0102 1202 1203
RT AIRFOIL PROFILES
COMPLEX VARIABLES
COORDINATE TRANSFORMATIONS
KUTTA-JOUKOWSKI CONDITION
THEODORSEN TRANSFORMATION

JOULE HEATING
USE OHMIC DISSIPATION
RESISTANCE HEATING

JOULE-THOMSON EFFECT
1203 3304
RT CRYOGENICS
% EFFECTS
ENTHALPY
GAS EXPANSION
GAS FLOW
KINETIC THEORY
OHMIC DISSIPATION
THERMODYNAMIC PROPERTIES
THERMODYNAMICS
THROTTLING

JOURNAL BEARINGS
1501 1504 3404
GS BEARINGS
#JOURNAL BEARINGS
RT ANTIFRICTION BEARINGS
FOIL BEARINGS

% JOURNALS
1504 2801 2805 3405
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT NEWS MEDIA
PERIODICALS
SHAFTS (MACHINE ELEMENTS)

JOURNALS (DOCUMENTS)
USE PERIODICALS

```
JOURNALS (SHAFTS)
  USE  SHAFTS (MACHINE ELEMENTS)

JP-4 JET FUEL
  2701
  GS   FUELS
       .CHEMICAL FUELS
       ..HYDROCARBON FUELS
       ...JET ENGINE FUELS
       ...#JP-4 JET FUEL
       ..LIQUID FUELS
       ...JET ENGINE FUELS
       ...#JP-4 JET FUEL
  RT   JP-6 JET FUEL
       JP-8 JET FUEL
       RP-1 ROCKET PROPELLANTS

JP-5 JET FUEL
  2701
  GS   FUELS
       .CHEMICAL FUELS
       ..HYDROCARBON FUELS
       ...JET ENGINE FUELS
       ...#JP-5 JET FUEL
       ..LIQUID FUELS
       ...JET ENGINE FUELS
       ...#JP-5 JET FUEL

JP-6 JET FUEL
  2701
  GS   FUELS
       .CHEMICAL FUELS
       ..HYDROCARBON FUELS
       ...JET ENGINE FUELS
       ...#JP-6 JET FUEL
       ..LIQUID FUELS
       ...JET ENGINE FUELS
       ...#JP-6 JET FUEL
  RT   JP-4 JET FUEL
       JP-8 JET FUEL

JP-8 JET FUEL
  2701
  GS   FUELS
       .CHEMICAL FUELS
       ..HYDROCARBON FUELS
       ...JET ENGINE FUELS
       ...#JP-8 JET FUEL
       ..LIQUID FUELS
       ...JET ENGINE FUELS
       ...#JP-8 JET FUEL
  RT   JP-4 JET FUEL
       JP-6 JET FUEL
       KEROSENE

JUDGMENTS
  3403 3404 3406
  RT   DECISION MAKING
       DECISIONS
       LEGAL LIABILITY
       PENALTIES

JUDI-DART ROCKET
  2808 3108 3409
  GS   MEASURING INSTRUMENTS
       .SONDES
       .#JUDI-DART ROCKET
       ROCKET VEHICLES
       .SOUNDING ROCKETS
       .#JUDI-DART ROCKET
  RT   ROCKET SOUNDING

JUICES
  0403
  GS   LIQUIDS
       #JUICES
  RT   CREATINE

JUMPERS
  0902 0905
  GS   CONDUCTORS
       .ELECTROLYTES
       .#JUMPERS
  RT   CONNECTORS
       SHORT CIRCUITS
     % TERMINALS
       WIRE

JUNCTION DIODES
  0906 2304
  GS   ELECTRONIC EQUIPMENT
       .DIODES
       ..SEMICONDUCTOR DIODES
       ..#JUNCTION DIODES
       .SOLID STATE DEVICES
       ..SEMICONDUCTOR DEVICES
       ..#JUNCTION DIODES
       ....MIM DIODES
       ....STEP RECOVERY DIODES
  RT   BARRIER LAYERS
       BARRITT DIODES
       GERMANIUM DIODES
       HETEROJUNCTION DEVICES
       HETEROJUNCTIONS
       TUNNEL DIODES
       VARACTOR DIODES

JUNCTION FIELD EFFECT TRANSISTORS
  USE  JFET

JUNCTION TRANSISTORS
  0906 2304
  GS   ELECTRONIC EQUIPMENT
       .SOLID STATE DEVICES
       ..SEMICONDUCTOR DEVICES
       ...TRANSISTORS
       ...#JUNCTION TRANSISTORS
       .....JFET
  RT   BARRIER LAYERS
       EPITAXY
       ION IMPLANTATION
     % JUNCTIONS
       MBM JUNCTIONS
       PHOTOTRANSISTORS
       THYRISTORS

% JUNCTIONS
  0906 1507 1601 2602 2603 3303 3501
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   CONNECTORS
       INTERSECTIONS
       JFET
       JOINTS (JUNCTIONS)
       JUNCTION TRANSISTORS
       P-I-N JUNCTIONS
       P-N JUNCTIONS
       P-N-P JUNCTIONS
       P-N-P-N JUNCTIONS
       SEMICONDUCTOR DEVICES
       SEMICONDUCTOR JUNCTIONS

JUNGLES
  USE  TROPICAL REGIONS

JUNO LAUNCH VEHICLES
  3101 3103
  GS   LAUNCH VEHICLES
       #JUNO LAUNCH VEHICLES
       ..JUNO 1 LAUNCH VEHICLE
       ..JUNO 2 LAUNCH VEHICLE
       ROCKET VEHICLES
       .MULTISTAGE ROCKET VEHICLES
       .#JUNO LAUNCH VEHICLES
       ...JUNO 1 LAUNCH VEHICLE
       ...JUNO 2 LAUNCH VEHICLE
  RT   LIQUID PROPELLANT ROCKET ENGINES
       SOLID PROPELLANT ROCKET ENGINES
     % VEHICLES

JUNO 1 LAUNCH VEHICLE
  3103
  GS   LAUNCH VEHICLES
```

.JUNO LAUNCH VEHICLES
.#JUNO 1 LAUNCH VEHICLE
ROCKET VEHICLES
.MULTISTAGE ROCKET VEHICLES
..JUNO LAUNCH VEHICLES
..#JUNO 1 LAUNCH VEHICLE
RT EXPLORER SATELLITES
JUPITER C ROCKET VEHICLE
LIQUID PROPELLANT ROCKET ENGINES
SERGEANT MISSILES
SOLID PROPELLANT ROCKET ENGINES

JUNO 2 LAUNCH VEHICLE
3101 3103
GS LAUNCH VEHICLES
.JUNO LAUNCH VEHICLES
.#JUNO 2 LAUNCH VEHICLE
ROCKET VEHICLES
.MULTISTAGE ROCKET VEHICLES
..JUNO LAUNCH VEHICLES
..#JUNO 2 LAUNCH VEHICLE
RT EXPLORER 11 SATELLITE
JUPITER MISSILE
LIQUID PROPELLANT ROCKET ENGINES
PIONEER SPACE PROBES
PIONEER 3 SPACE PROBE
PIONEER 4 SPACE PROBE
PIONEER 6 SPACE PROBE
PIONEER 7 SPACE PROBE
PIONEER 8 SPACE PROBE
SERGEANT MISSILES
SOLID PROPELLANT ROCKET ENGINES

JUPITER (PLANET)
3008 3009
GS CELESTIAL BODIES
.PLANETS
..GAS GIANT PLANETS
..#JUPITER (PLANET)
RT AMALTHEA
AMOR ASTEROID
APOLLO ASTEROIDS
CALLISTO
EUROPA
GALILEAN SATELLITES
GALILEO PROBE
GALILEO SPACECRAFT
GANYMEDE
IO
JUPITER ATMOSPHERE
JUPITER PROBES
JUPITER RED SPOT
JUPITER RINGS
JUPITER SATELLITES
VOYAGER 1 SPACECRAFT
VOYAGER 2 SPACECRAFT
VOYAGER 1977 MISSION

JUPITER ATMOSPHERE
3008 3009
GS ENVIRONMENTS
.EXTRATERRESTRIAL ENVIRONMENTS
..PLANETARY ENVIRONMENTS
...PLANETARY ATMOSPHERES
...#JUPITER ATMOSPHERE
RT AEROSPACE ENVIRONMENTS
GALILEO PROJECT
GEOPHYSICAL FLUID FLOW CELLS
JUPITER (PLANET)
JUPITER RINGS
PLANETARY IONOSPHERES
PLANETARY METEOROLOGY

JUPITER C ROCKET VEHICLE
3101 3103 3401
GS ROCKET VEHICLES
.MULTISTAGE ROCKET VEHICLES
.#JUPITER C ROCKET VEHICLE
RT EXPLORER SATELLITES
JUNO 1 LAUNCH VEHICLE
JUPITER MISSILE
LAUNCH VEHICLES
LIQUID PROPELLANT ROCKET ENGINES
SERGEANT MISSILES
SOLID PROPELLANT ROCKET ENGINES

JUPITER MISSILE
3101 3401
GS MISSILES
.BALLISTIC MISSILES
..INTERMEDIATE RANGE BALLISTIC MISSILES
..#JUPITER MISSILE
.SURFACE TO SURFACE MISSILES
..INTERMEDIATE RANGE BALLISTIC MISSILES
..#JUPITER MISSILE
RT JUNO 2 LAUNCH VEHICLE
JUPITER C ROCKET VEHICLE
LIQUID PROPELLANT ROCKET ENGINES

JUPITER PROBES
3007 3108 3409
GS INTERPLANETARY SPACECRAFT
#JUPITER PROBES
..GALILEO PROBE
..GALILEO SPACECRAFT
UNMANNED SPACECRAFT
.SPACE PROBES
.#JUPITER PROBES
...GALILEO PROBE
...GALILEO SPACECRAFT
RT GALILEO PROJECT
JUPITER (PLANET)
VOYAGER 1 SPACECRAFT
VOYAGER 2 SPACECRAFT
VOYAGER 1977 MISSION

JUPITER PROJECT
3007 3101 3409
GS PROGRAMS
.NASA PROGRAMS
..NASA SPACE PROGRAMS
..#JUPITER PROJECT
.PROJECTS
.#JUPITER PROJECT
.SPACE PROGRAMS
..NASA SPACE PROGRAMS
..#JUPITER PROJECT
RT LAUNCH VEHICLES

JUPITER RED SPOT
3008 3009
RT GAS GIANT PLANETS
JUPITER (PLANET)
PLANETARY SURFACES
PLANETS
SURFACE PROPERTIES
TOPOGRAPHY

JUPITER RINGS
3001
GS CELESTIAL BODIES
.PLANETARY RINGS
.#JUPITER RINGS
RT JUPITER (PLANET)
JUPITER ATMOSPHERE
JUPITER SATELLITES
MOONLETS
PLANETARY COMPOSITION
PLANETARY STRUCTURE
PLANETOLOGY
% RINGS
SATURN RINGS
SPACE EXPLORATION
URANUS RINGS
VOYAGER 1 SPACECRAFT

JUPITER SATELLITES
3001
GS CELESTIAL BODIES
.NATURAL SATELLITES
.#JUPITER SATELLITES
...AMALTHEA
...GALILEAN SATELLITES

....CALLISTO
....EUROPA
....GANYMEDE
....IO
RT ICY SATELLITES
JUPITER (PLANET)
JUPITER RINGS
SOLAR SYSTEM

J93-MJ252H ENGINE
USE J-93 ENGINE

J93-MJ280G ENGINE
USE J-93 ENGINE

K BAND
USE EXTREMELY HIGH FREQUENCIES

K LINES
2306 2402 2902
GS SPECTRA
.RADIATION SPECTRA
..ELECTROMAGNETIC SPECTRA
...LINE SPECTRA
...#K LINES
RT ABSORPTION SPECTRA
EMISSION SPECTRA
H LINES

K STARS
3001
GS CELESTIAL BODIES
.STARS
..LATE STARS
...COOL STARS
...#K STARS
RT DWARF STARS
GIANT STARS
MAIN SEQUENCE STARS
STELLAR SPECTRA
SUPERGIANT STARS

K-EPSILON TURBULENCE MODEL
0101 1202 1203 3304
UF KAPPA-EPSILON TURBULENCE MODEL
GS MODELS
.MATHEMATICAL MODELS
..TURBULENCE MODELS
..#K-EPSILON TURBULENCE MODEL
RT CLOSURE LAW
COMPUTATIONAL FLUID DYNAMICS
FLOW EQUATIONS
TURBULENT BOUNDARY LAYER
TURBULENT FLOW

K-MESONS
USE KAONS

K-T BOUNDARY
USE CRETACEOUS-TERTIARY BOUNDARY

KA BAND
USE EXTREMELY HIGH FREQUENCIES

KA-6 SAILPLANES
0205
UF SCHLEICHER KA-6 SAILPLANE
GS GLIDERS
#KA-6 SAILPLANES
RT % AIRCRAFT
GLIDING
SAILWINGS
% WINGED VEHICLES

KAKUTANI THEOREM
1902 2308
GS THEOREMS
#KAKUTANI THEOREM
RT LATTICES (MATHEMATICS)
STOCHASTIC PROCESSES
VECTOR SPACES

KALAHARI BASIN (AFRICA)
1305
GS LANDFORMS
.STRUCTURAL BASINS
.#KALAHARI BASIN (AFRICA)
RT AFRICA
DESERTS
REPUBLIC OF SOUTH AFRICA

KALMAN FILTERS
0902 0904
GS LINEAR FILTERS
#KALMAN FILTERS
RT ELECTRIC FILTERS
% FILTERS
LINEAR QUADRATIC GAUSSIAN CONTROL
LINEAR QUADRATIC REGULATOR
NAVIGATION AIDS
OPTIMIZATION
REDUCED ORDER FILTERS
STATE ESTIMATION

KALMAN-SCHMIDT FILTERING
0701 0707 0905 2104
RT % APPLICATIONS OF MATHEMATICS
FEEDBACK CONTROL
INERTIAL PLATFORMS
NAVIGATION INSTRUMENTS
OPTIMAL CONTROL
OPTIMIZATION
REMOTE CONTROL
STOCHASTIC PROCESSES
TIME SERIES ANALYSIS

KAMACITE
0603 3005
GS ALLOYS
.NICKEL ALLOYS
.#KAMACITE
MINERALS
#KAMACITE
RT IRON ALLOYS
IRON METEORITES
METEORITIC COMPOSITION

KAMAN AIRCRAFT
0206 0207
GS #KAMAN AIRCRAFT
.H-43 HELICOPTER
.HH-43 HELICOPTER
.UH-2 HELICOPTER
RT % AIRCRAFT

KAMAN UH-2A HELICOPTER
USE UH-2 HELICOPTER

KAMPUCHEA
USE CAMBODIA

KANSAS
1305
GS NATIONS
.UNITED STATES
.#KANSAS
RT MISSOURI RIVER (US)

KAOLINITE
1801 1806
GS ALUMINUM COMPOUNDS
.ALUMINUM SILICATES
.#KAOLINITE
CLAYS
#KAOLINITE
MINERALS
#KAOLINITE
SILICON COMPOUNDS
.SILICATES
..ALUMINUM SILICATES
..#KAOLINITE
RT ALUMINUM OXIDES
ION EXCHANGING
SOILS

```
KAON PRODUCTION
  2202 2403 2405
  GS   PARTICLE PRODUCTION
       #KAON PRODUCTION
  RT   KAONS
       PARTICLE ACCELERATORS

KAONS
  2403 2405
  UF   K-MESONS
  GS   PARTICLES
       .ELEMENTARY PARTICLES
       ..BOSONS
       ...MESONS
       ...#KAONS
       ..HADRONS
       ...MESONS
       ...#KAONS
       .NUCLEAR PARTICLES
       ..BOSONS
       ...MESONS
       ...#KAONS
  RT   BARYONS
       CHARGED PARTICLES
       KAON PRODUCTION
       PIONS
       POMERANCHUK THEOREM

KAPITZA RESISTANCE
  0604
  RT % RESISTANCE

KAPOETA ACHONDRITE
  3005
  GS   CELESTIAL BODIES
       .METEORITES
       ..STONY METEORITES
       ...ACHONDRITES
       ...#KAPOETA ACHONDRITE

KAPPA ROCKET VEHICLES
  1302 3106 3108
  GS   ROCKET VEHICLES
       .MULTISTAGE ROCKET VEHICLES
       .#KAPPA ROCKET VEHICLES
       ...KAPPA 8 ROCKET VEHICLE
       ...KAPPA 9 ROCKET VEHICLE
       .SOUNDING ROCKETS
       .#KAPPA ROCKET VEHICLES
       ...KAPPA 8 ROCKET VEHICLE
       ...KAPPA 9 ROCKET VEHICLE
  RT   SOLID PROPELLANT ROCKET ENGINES
     % VEHICLES

KAPPA 8 ROCKET VEHICLE
  3103 3106
  GS   ROCKET VEHICLES
       .MULTISTAGE ROCKET VEHICLES
       ..KAPPA ROCKET VEHICLES
       ..#KAPPA 8 ROCKET VEHICLE
       .SOUNDING ROCKETS
       ..KAPPA ROCKET VEHICLES
       ..#KAPPA 8 ROCKET VEHICLE
  RT   SOLID PROPELLANT ROCKET ENGINES

KAPPA 9 ROCKET VEHICLE
  3106
  GS   ROCKET VEHICLES
       .MULTISTAGE ROCKET VEHICLES
       ..KAPPA ROCKET VEHICLES
       ..#KAPPA 9 ROCKET VEHICLE
       .SOUNDING ROCKETS
       ..KAPPA ROCKET VEHICLES
       ..#KAPPA 9 ROCKET VEHICLE
  RT   SOLID PROPELLANT ROCKET ENGINES

KAPPA-EPSILON TURBULENCE MODEL
  USE  K-EPSILON TURBULENCE MODEL

KAPTON (TRADEMARK)
  1809
  GS   POLYMERIC FILMS
       #KAPTON (TRADEMARK)
  RT % FILMS
       PLASTICS
     % POLYMERS

KARHUNEN-LOEVE EXPANSION
  1902 2311
  GS   DATA PROCESSING
       #KARHUNEN-LOEVE EXPANSION
       EXPANSION
       #KARHUNEN-LOEVE EXPANSION
  RT   PRINCIPAL COMPONENTS ANALYSIS

KARL FISCHER REAGENT
  0601 1804 1808
  GS   CHEMICAL TESTS
       .CHEMICAL ANALYSIS
       .#KARL FISCHER REAGENT
  RT   DIOXIDES
       METHYL ALCOHOL
       PYRIDINES
       QUANTITATIVE ANALYSIS

KARMAN VORTEX STREET
  1202
  GS   VORTEX STREETS
       #KARMAN VORTEX STREET
  RT   AEOLIAN TONES
       SUBSONIC FLOW
       VON KARMAN EQUATION
       VORTICITY EQUATIONS

KARMAN-BODEWADT FLOW
  1202 1203 1204
  GS   FLUID FLOW
       .AXISYMMETRIC FLOW
       .#KARMAN-BODEWADT FLOW
       .VISCOUS FLOW
       .#KARMAN-BODEWADT FLOW
       TRANSLATIONAL MOTION
       .THREE DIMENSIONAL MOTION
       ..THREE DIMENSIONAL FLOW
       ..#KARMAN-BODEWADT FLOW
  RT   ROTATING DISKS
       ROTATING FLUIDS

KARST
  1306
  GS   LANDFORMS
       .STRUCTURAL BASINS
       .#KARST
       ...SINKHOLES
  RT   CAVES
       CAVITIES
       KETTLES (GEOLOGY)
     % RIDGES
       ROCKS

KAWASAKI AIRCRAFT
  0205
  RT % AIRCRAFT

KAZAKHSTAN
  1305
  GS   NATIONS
       #KAZAKHSTAN
  RT   ASIA

KC-130 AIRCRAFT
  USE  C-130 AIRCRAFT

KC-135 AIRCRAFT
  USE  C-135 AIRCRAFT

KEELS
  3202 3203
  GS   HYDROFOILS
       #KEELS
  RT   BOATS
       HULLS (STRUCTURES)
       LONGERONS
       SHIPS
       STABILIZERS (FLUID DYNAMICS)
```

```
KEL-F
  1808 1809 1810
  GS   HALOGEN COMPOUNDS
       .FLUORINE COMPOUNDS
       ..FLUORO COMPOUNDS
       ...FLUORINE ORGANIC COMPOUNDS
       ...#KEL-F
       ORGANIC COMPOUNDS
       .FLUORINE ORGANIC COMPOUNDS
       .#KEL-F
  RT   COPOLYMERS
     % POLYMERS

KELP
  USE  SEAWEEDS

KELVIN-HELMHOLTZ INSTABILITY
  1204 2307
  RT   COLLISIONLESS PLASMAS
       FLOW STABILITY
     % HELMHOLTZ EQUATIONS
       MAGNETOHYDRODYNAMIC FLOW
       MAGNETOHYDRODYNAMIC STABILITY
       MASS FLOW
       NONUNIFORM PLASMAS
       PLASMAS (PHYSICS)
       SUPERFLUIDITY

KENTUCKY
  1305
  GS   NATIONS
       .UNITED STATES
       .#KENTUCKY
  RT   OHIO RIVER (US)
       TENNESSEE VALLEY (AL-KY-TN)

KENYA
  1305
  GS   NATIONS
       #KENYA
  RT   AFRICA

KEPLER LAWS
  1901 2308 3001
  GS   CLASSICAL MECHANICS
       .SPACE MECHANICS
       ..ORBITAL MECHANICS
       ..#KEPLER LAWS
       LAWS
       #KEPLER LAWS

KERATINS
  0402 0403 0409
  GS   BIOPOLYMERS
       .PROTEINS
       .#KERATINS
       ORGANIC COMPOUNDS
       .PROTEINS
       .#KERATINS
  RT   HAIR
       WOOL

KERATITIS
  0401 0405 0408
  GS   DISEASES
       .EYE DISEASES
       .#KERATITIS
  RT   CONJUNCTIVA
       CORNEA

KERNEL FUNCTIONS
  1902
  GS   ANALYSIS (MATHEMATICS)
       .REAL VARIABLES
       .#KERNEL FUNCTIONS
       FUNCTIONS (MATHEMATICS)
       #KERNEL FUNCTIONS
  RT   MELLIN TRANSFORMS

KEROGEN
  1306 1503 1805 1808 2701
  GS   ORGANIC COMPOUNDS
       #KEROGEN
       RESOURCES
       .EARTH RESOURCES
       .#KEROGEN
  RT   FUEL OILS
       FUELS
       GASOLINE
       GREASES
       HYDROCARBON FUELS
       KEROSENE
       LUBRICANTS
       OILS
       PETROLEUM PRODUCTS
       SHALE OIL

KEROSENE
  1808 2701
  GS   FUELS
       .CHEMICAL FUELS
       ..LIQUID FUELS
       ..#KEROSENE
  RT   ANTIMISTING FUELS
       DIESEL FUELS
       FUEL OILS
       GASOLINE
       HYDROCARBON FUELS
       JET ENGINE FUELS
       JP-8 JET FUEL
       KEROGEN
       PARAFFINS
       RP-1 ROCKET PROPELLANTS
       SHALE OIL

KERR CELLS
  1601 2306
  RT   CAMERA SHUTTERS
     % CELLS
     % ELECTRIC CELLS
       POLARIZED ELECTROMAGNETIC RADIATION
       POLARIZERS

% KERR EFFECTS
  1601 2306 2402
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT % EFFECTS
       ELECTRO-OPTICAL EFFECT
       KERR ELECTROOPTICAL EFFECT
       KERR MAGNETOOPTICAL EFFECT
       MAGNETIC FIELDS

KERR ELECTROOPTICAL EFFECT
  2304 2306 2310
  GS   ELECTROMAGNETIC PROPERTIES
       .OPTICAL PROPERTIES
       ..BIREFRINGENCE
       ..#KERR ELECTROOPTICAL EFFECT
       REFRACTION
       .BIREFRINGENCE
       .#KERR ELECTROOPTICAL EFFECT
  RT % EFFECTS
       ELECTRO-OPTICS
       ELECTROMAGNETIC RADIATION
     % KERR EFFECTS
       KERR MAGNETOOPTICAL EFFECT
       LASERS
       LIGHT MODULATION
       POLARIZATION (WAVES)

KERR MAGNETOOPTICAL EFFECT
  2310 2402
  GS   ELECTROMAGNETIC PROPERTIES
       #KERR MAGNETOOPTICAL EFFECT
  RT % EFFECTS
       FARADAY EFFECT
     % KERR EFFECTS
       KERR ELECTROOPTICAL EFFECT
       MAGNETO-OPTICS
       OPTICAL PROPERTIES
       POLARIZATION (WAVES)
       POLARIZED LIGHT
```

```
KESTREL AIRCRAFT
  USE  P-1127 AIRCRAFT

KETENES
  1808
  RT   KETONES

KETONES
  0602 0603 1808
  GS  #KETONES
       .ACETONE
       .ACETYLACETONE
       .ANTHRAQUINONES
       .CAMPHOR
       .NEMBUTAL (TRADEMARK)
       .PENTANONE
       .TRIMETHADIONE
  RT   KETENES
       PEEK
       QUINONES

KETTLES (GEOLOGY)
  1306
  GS   GEOLOGY
       #KETTLES (GEOLOGY)
       LANDFORMS
       .STRUCTURAL BASINS
       .#KETTLES (GEOLOGY)
  RT   CAVES
       CAVITIES
       EARTH RESOURCES
       GLACIAL DRIFT
       KARST
       LAKES
       SINKHOLES

KEVLAR (TRADEMARK)
  0603
  GS   PLASTICS
       .SYNTHETIC RESINS
       ..THERMOSETTING RESINS
       ...FURAN RESINS
       ....POLYAMIDE RESINS
       ....#KEVLAR (TRADEMARK)
       RESINS
       .SYNTHETIC RESINS
       ..THERMOSETTING RESINS
       ...FURAN RESINS
       ....POLYAMIDE RESINS
       ....#KEVLAR (TRADEMARK)
  RT   ARAMID FIBER COMPOSITES
       NONFLAMMABLE MATERIALS
       SYNTHETIC FIBERS

KEYING
  0702
  GS  #KEYING
       .FREQUENCY SHIFT KEYING
       .PHASE SHIFT KEYING
       ..BINARY PHASE SHIFT KEYING
       ..QUADRATURE PHASE SHIFT KEYING
  RT   MORSE CODE
       RADIO TELEGRAPHY
       TELEPRINTERS
       TELETYPEWRITERS

KEYS (ISLANDS)
  1305 1306 1310
  UF   CAYS
  GS   LANDFORMS
       .ISLANDS
       .#KEYS (ISLANDS)
  RT   CORAL REEFS
       EARTH RESOURCES
       ISLAND ARCS
       OCEANS

KIDNEY DISEASES
  0405 0408
  GS   DISEASES
       #KIDNEY DISEASES
       ..NEPHRITIS
  RT   CHOLERA

KIDNEYS
  0404 0405
  GS   ANATOMY
       .GENITOURINARY SYSTEM
       .#KIDNEYS
       ...GLOMERULUS
  RT   RENAL FUNCTION
       URINE
       UROLITHIASIS
       UROLOGY

KILOMETER WAVE ORBITING TELESCOPE
  1412 3001
  GS   RADIO EQUIPMENT
       .RADIO TELESCOPES
       .#KILOMETER WAVE ORBITING TELESCOPE
       TELESCOPES
       .RADIO TELESCOPES
       .#KILOMETER WAVE ORBITING TELESCOPE

KILOMETRIC WAVES
  2304 3009
  GS   ELECTROMAGNETIC RADIATION
       #KILOMETRIC WAVES
  RT % WAVES

KIMBERLITE
  USE  BIOTITE
       PERIDOTITE

KINEMATIC EQUATIONS
  2308 3501
  GS   EQUATIONS OF MOTION
       .KINETIC EQUATIONS
       .#KINEMATIC EQUATIONS
  RT % EQUATIONS

KINEMATICS
  1202 2308
  GS  #KINEMATICS
       .BODY KINEMATICS
       .INVERSE KINEMATICS
  RT   ACCELERATION (PHYSICS)
     % DYNAMICS
       EQUATIONS OF MOTION
       HODOGRAPHS
       KINETICS
     % MECHANICS (PHYSICS)
       MICROWAVE REFLECTOMETERS
     % MOTION
       NUTATION
       VELOCITY

KINESCOPES
  USE  PICTURE TUBES

KINESTHESIA
  0401 0405 0408
  GS   PERCEPTION
       .SENSORY PERCEPTION
       .#KINESTHESIA
  RT   PROPRIOCEPTION

KINESTHESIS
  USE  PROPRIOCEPTION

KINETIC ENERGY
  2308 2311
  UF   MOMENTUM ENERGY
  GS   KINETICS
       #KINETIC ENERGY
  RT   CHEMICAL ENERGY
       ELECTRON ENERGY
     % ENERGY
       EQUIPARTITION THEOREM
       FROUDE NUMBER
       HYDRODYNAMIC RAM EFFECT
       INTERNAL ENERGY
       LAGRANGE SIMILARITY HYPOTHESIS
       LAGRANGIAN FUNCTION
```

```
      PARTICLE ENERGY
      POTENTIAL ENERGY
      PROTON ENERGY
      THERMAL ENERGY
      VIRIAL THEOREM
      WORK
      ZERO POINT ENERGY

KINETIC EQUATIONS
  2308 3501
  GS  EQUATIONS OF MOTION
      #KINETIC EQUATIONS
      ..HYDRODYNAMIC EQUATIONS
      ...HELMHOLTZ VORTICITY EQUATION
      ..KINEMATIC EQUATIONS
  RT  BBGKY HIERARCHY
      BETHE-SALPETER EQUATION
      BGK MODEL
      EINSTEIN EQUATIONS
    % EQUATIONS
      PARTIAL DIFFERENTIAL EQUATIONS
      VIRIAL THEOREM

KINETIC FRICTION
  1503 2308
  GS  FRICTION
      #KINETIC FRICTION
      ..SLIDING FRICTION
  RT  COEFFICIENT OF FRICTION
      DRY FRICTION
      FRICTION MEASUREMENT
      STATIC FRICTION

KINETIC HEATING
  2308 3304
  GS  HEATING
      #KINETIC HEATING
      ..AERODYNAMIC HEATING
      ...SHOCK HEATING
  RT  GAS HEATING
      MAGNETIC PUMPING
      PLASMA HEATING

KINETIC THEORY
  2308 2311
  GS  #KINETIC THEORY
      .TRANSPORT THEORY
      ..CHAPMAN-ENSKOG THEORY
      ..EYRING THEORY
      ..MIXING LENGTH FLOW THEORY
  RT  BGK MODEL
      BINARY FLUIDS
      BOLTZMANN DISTRIBUTION
      BOLTZMANN TRANSPORT EQUATION
      DIFFUSION
      DIFFUSION THEORY
      DIFFUSION WAVES
      DYNAMIC PRESSURE
      EQUATIONS OF STATE
      FREE MOLECULAR FLOW
      GAS TRANSPORT
      GASEOUS SELF-DIFFUSION
      IDEAL GAS
      JOULE-THOMSON EFFECT
      KNUDSEN FLOW
      KROOK EQUATION
      LORENTZ GAS
      MASS FLOW
      MAXWELL-BOLTZMANN DENSITY FUNCTION
      MOBILITY
      MOMENTUM TRANSFER
      MORSE POTENTIAL
      REAL GASES
    % THEORIES
      TRANSPORT PROPERTIES

KINETICS
  0101 1202 2308
  GS  #KINETICS
      .ELECTROKINETICS
      .KINETIC ENERGY
      .NEWTON SECOND LAW
      .NEWTON THEORY
      .REACTION KINETICS
      .VARIABLE MASS SYSTEMS
  RT  ACCELERATION (PHYSICS)
      ANGULAR MOMENTUM
      BODY KINEMATICS
    % DYNAMICS
      FLUID DYNAMICS
      FLUID MECHANICS
    % FORCE
      GAS DYNAMICS
      HYDROMECHANICS
      IDEAL GAS
      KINEMATICS
    % MECHANICS (PHYSICS)
      MOMENTUM TRANSFER
      MOTION AFTEREFFECTS
      NEWTON
      PARTICLE COLLISIONS
    % PHYSICS
      VELOCITY

KINOFORM
  0710 1407 1601 2310
  GS  DISPLAY DEVICES
      #KINOFORM
      IMAGERY
      #KINOFORM
  RT  COMPUTER PROGRAMMING
      HOLOGRAPHY
      WAVE FRONT RECONSTRUCTION

% KIRCHHOFF LAW
  0901 2302 2402
  SN  (USE OF A MORE SPECIFIC TERM IS
      RECOMMENDED--CONSULT THE TERMS
      LISTED BELOW)
  RT  KIRCHHOFF LAW OF NETWORKS
      KIRCHHOFF LAW OF RADIATION

KIRCHHOFF LAW OF NETWORKS
  0901
  RT  CIRCUITS
      ELECTRIC CURRENT
      ELECTRIC POTENTIAL
    % KIRCHHOFF LAW
      NETWORK ANALYSIS
      NETWORK SYNTHESIS

KIRCHHOFF LAW OF RADIATION
  2402
  GS  LAWS
      .RADIATION LAWS
      .#KIRCHHOFF LAW OF RADIATION
  RT  ABSORPTIVITY
      BLACK BODY RADIATION
    % KIRCHHOFF LAW
    % RADIATION
      STEFAN-BOLTZMANN LAW
      THERMODYNAMICS

KIRCHHOFF-HELMHOLTZ FLOW
  USE PIPE FLOW

KIRCHHOFF-HUYGENS PRINCIPLE
  USE DIFFRACTION
      WAVE PROPAGATION

KIRKENDALL EFFECT
  0602 1701 1704
  RT  DIFFUSION THEORY
      DIFFUSION WELDING
      DIFFUSIVITY
    % EFFECTS
      THERMAL DIFFUSION

KITE BALLOONS
  USE TETHERED BALLOONS

KITS
  0202 1504 3404
  RT  FIRST AID
      SURVIVAL
```

```
      TOOLS

KIWI B REACTORS
  2202 2204
  GS   NUCLEAR ELECTRIC POWER GENERATION
       .NUCLEAR POWER REACTORS
       ..KIWI REACTORS
       ..#KIWI B REACTORS
       ....KIWI B-1 REACTOR
       ....KIWI B-4 REACTOR
       NUCLEAR REACTORS
       .GAS COOLED REACTORS
       ..KIWI REACTORS
       ..#KIWI B REACTORS
       ....KIWI B-1 REACTOR
       ....KIWI B-4 REACTOR
       .NUCLEAR POWER REACTORS
       ..KIWI REACTORS
       ..#KIWI B REACTORS
       ....KIWI B-1 REACTOR
       ....KIWI B-4 REACTOR
       .NUCLEAR RESEARCH AND TEST REACTORS
       ..KIWI REACTORS
       ..#KIWI B REACTORS
       ....KIWI B-1 REACTOR
       ....KIWI B-4 REACTOR

KIWI B-1 REACTOR
  2202 2203 2204
  GS   NUCLEAR ELECTRIC POWER GENERATION
       .NUCLEAR POWER REACTORS
       ..KIWI REACTORS
       ...KIWI B REACTORS
       ...#KIWI B-1 REACTOR
       NUCLEAR REACTORS
       .GAS COOLED REACTORS
       ..KIWI REACTORS
       ...KIWI B REACTORS
       ...#KIWI B-1 REACTOR
       .NUCLEAR POWER REACTORS
       ..KIWI REACTORS
       ...KIWI B REACTORS
       ...#KIWI B-1 REACTOR
       .NUCLEAR RESEARCH AND TEST REACTORS
       ..KIWI REACTORS
       ...KIWI B REACTORS
       ...#KIWI B-1 REACTOR

KIWI B-4 REACTOR
  2202 2203 2204
  GS   NUCLEAR ELECTRIC POWER GENERATION
       .NUCLEAR POWER REACTORS
       ..KIWI REACTORS
       ...KIWI B REACTORS
       ...#KIWI B-4 REACTOR
       NUCLEAR REACTORS
       .GAS COOLED REACTORS
       ..KIWI REACTORS
       ...KIWI B REACTORS
       ...#KIWI B-4 REACTOR
       .NUCLEAR POWER REACTORS
       ..KIWI REACTORS
       ...KIWI B REACTORS
       ...#KIWI B-4 REACTOR
       .NUCLEAR RESEARCH AND TEST REACTORS
       ..KIWI REACTORS
       ...KIWI B REACTORS
       ...#KIWI B-4 REACTOR

KIWI REACTORS
  2202 2203 2204
  UF   KIWI ROCKET REACTORS
  GS   NUCLEAR ELECTRIC POWER GENERATION
       .NUCLEAR POWER REACTORS
       .#KIWI REACTORS
       ...KIWI B REACTORS
       ....KIWI B-1 REACTOR
       ....KIWI B-4 REACTOR
       NUCLEAR REACTORS
       .GAS COOLED REACTORS
       .#KIWI REACTORS
       ...KIWI B REACTORS
       ....KIWI B-1 REACTOR
       ....KIWI B-4 REACTOR
       .NUCLEAR POWER REACTORS
       .#KIWI REACTORS
       ...KIWI B REACTORS
       ....KIWI B-1 REACTOR
       ....KIWI B-4 REACTOR
       .NUCLEAR RESEARCH AND TEST REACTORS
       .#KIWI REACTORS
       ...KIWI B REACTORS
       ....KIWI B-1 REACTOR
       ....KIWI B-4 REACTOR
  RT   NRX REACTORS
       NUCLEAR ENGINE FOR ROCKET VEHICLES
       PHOEBUS NUCLEAR REACTOR
       ROVER PROJECT

KIWI ROCKET REACTORS
  USE  KIWI REACTORS

KJELDAHL METHOD
  0601 1808
  GS   CHEMICAL TESTS
       .CHEMICAL ANALYSIS
       ..QUANTITATIVE ANALYSIS
       ..#KJELDAHL METHOD
  RT   AMMONIA
     % METHODOLOGY
       NITROGEN
       TITRATION

KLEBSIELLA
  0405 0407 0412
  GS   MICROORGANISMS
       .BACTERIA
       .#KLEBSIELLA

KLEIN-DUNHAM POTENTIAL
  2304 2401 2402 2403
  RT % POTENTIAL
       QUANTUM THEORY

KLEIN-GORDON EQUATION
  1902 2402 2405
  GS   WAVE EQUATIONS
       #KLEIN-GORDON EQUATION
  RT   DIRAC EQUATION
     % EQUATIONS

KLIPPEN
  USE  OUTLIERS (LANDFORMS)

KLYSTRONS
  0705 0903 2402
  GS   ELECTRON TUBES
       .VACUUM TUBES
       ..MICROWAVE TUBES
       ..#KLYSTRONS
       MICROWAVE EQUIPMENT
       .MICROWAVE TUBES
       .#KLYSTRONS
  RT   AMPLIFIERS
       CATCHERS
       CAVITY RESONATORS
       CYCLOTRON RESONANCE DEVICES
       ELECTRON BUNCHING
       ELECTRON CYCLOTRON HEATING
       ELECTROSTATIC GENERATORS
       MAGNETRONS
       MICROWAVE OSCILLATORS

KNEE (ANATOMY)
  0404 0408 0506 0508
  GS   ANATOMY
       .LIMBS (ANATOMY)
       ..LEG (ANATOMY)
       ..#KNEE (ANATOMY)
       .MUSCULOSKELETAL SYSTEM
       ..JOINTS (ANATOMY)
       ..#KNEE (ANATOMY)
       APPENDAGES
       .LEG (ANATOMY)
       .#KNEE (ANATOMY)
```

RT FEMUR

KNIGHT SHIFT
USE NUCLEAR MAGNETIC RESONANCE

KNOBS
0506
RT HANDLES
LEVERS
MANUAL CONTROL

KNOOP HARDNESS
1406 1704 1806 2601
GS MECHANICAL PROPERTIES
.HARDNESS
.#KNOOP HARDNESS
RT HARDNESS TESTS
MICROHARDNESS

KNOWLEDGE
0408 3404 3405
GS #KNOWLEDGE
.PHILOSOPHY
..PARADOXES
RT AXIOMS
DOCUMENTATION
EDUCATION
LEARNING
LITERATURE
PERCEPTION
TEXTBOOKS
TRAINING EVALUATION

KNOWLEDGE BASED SYSTEMS
0410
GS #KNOWLEDGE BASED SYSTEMS
.EXPERT SYSTEMS
RT ARTIFICIAL INTELLIGENCE
COMPUTER TECHNIQUES
DATA STRUCTURES
KNOWLEDGE BASES (ARTIFICIAL INTELLIGENCE)
KNOWLEDGE REPRESENTATION
NATURAL LANGUAGE PROCESSING

KNOWLEDGE BASES (ARTIFICIAL INTELLIGENCE)
0410 0804 1902
RT ARTIFICIAL INTELLIGENCE
DATA BASES
EXPERT SYSTEMS
KNOWLEDGE BASED SYSTEMS
KNOWLEDGE REPRESENTATION

KNOWLEDGE REPRESENTATION
0410 0804 1902
RT ARTIFICIAL INTELLIGENCE
COGNITION
EXPERT SYSTEMS
KNOWLEDGE BASED SYSTEMS
KNOWLEDGE BASES (ARTIFICIAL INTELLIGENCE)
NATURAL LANGUAGE (COMPUTERS)

KNUDSEN CELLS
USE KNUDSEN GAGES

KNUDSEN FLOW
1203 2401 3501
UF KNUDSEN NUMBER
GS FLUID FLOW
.DUCTED FLOW
.#KNUDSEN FLOW
.GAS FLOW
.#KNUDSEN FLOW
RT BGK MODEL
BOUNDARY LAYER TRANSITION
FREE MOLECULAR FLOW
KINETIC THEORY
MEAN FREE PATH
MOLECULAR FLOW
PRESSURE GRADIENTS
RAREFIED GAS DYNAMICS
TRANSITION POINTS
VACUUM
VISCOUS FLOW

KNUDSEN GAGES
0301 1413 3304
UF KNUDSEN CELLS
GS MEASURING INSTRUMENTS
.PRESSURE GAGES
..VACUUM GAGES
..#KNUDSEN GAGES
VACUUM APPARATUS
.VACUUM GAGES
.#KNUDSEN GAGES
RT IONIZATION GAGES
MCLEOD GAGES
PIRANI GAGES
PRESSURE MEASUREMENT
RADIOMETERS

KNUDSEN NUMBER
USE KNUDSEN FLOW

KNURLING
1504
RT GROOVING
MACHINING
METAL CUTTING

KOHOUTEK COMET
1901 3001
GS CELESTIAL BODIES
.COMETS
.#KOHOUTEK COMET
RT BESSEL-BREDICHIN THEORY
% COMA
RADIATION PRESSURE
SOLAR SYSTEM

KOLMOGOROV THEORY
0101 1202 1203
RT ISOTROPIC TURBULENCE
LAGRANGE SIMILARITY HYPOTHESIS
SHEAR FLOW
% THEORIES
TURBULENT FLOW
VORTICES

KOLMOGOROV-SMIRNOV TEST
1202 1204 2502
GS STATISTICAL ANALYSIS
.STATISTICAL TESTS
.#KOLMOGOROV-SMIRNOV TEST
RT PROBABILITY THEORY
STATISTICAL DISTRIBUTIONS

KONDO EFFECT
2307
GS ELECTRICAL PROPERTIES
.ELECTRICAL RESISTIVITY
..SUPERCONDUCTIVITY
..#KONDO EFFECT
TRANSPORT PROPERTIES
.ELECTRICAL RESISTIVITY
..SUPERCONDUCTIVITY
..#KONDO EFFECT
RT ALLOYS
% EFFECTS
LOW TEMPERATURE PHYSICS
MAGNETIC MATERIALS
NUCLEAR SPIN
TRANSITION TEMPERATURE

% KOREA
1305
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE T ERMS LISTED BELOW)
RT NORTH KOREA
SOUTH KOREA

KORTEWEG-DEVRIES EQUATION
1902

```
  GS    WAVE EQUATIONS
        #KORTEWEG-DEVRIES EQUATION
  RT %  EQUATIONS

KOSSEL PATTERN
  1411 2401
  GS    DISTRIBUTION (PROPERTY)
        .RADIATION DISTRIBUTION
        ..DIFFRACTION PATTERNS
        ..#KOSSEL PATTERN
  RT    CRYSTAL LATTICES

KOVAR (TRADEMARK)
  0603 1701 1804
  GS    ALLOYS
        #KOVAR (TRADEMARK)
  RT    COBALT ALLOYS

KP INDEX
  1307
  GS    RATIOS
        .INDEXES (RATIOS)
        .#KP INDEX
  RT    EARTH MAGNETOSPHERE
        GEOMAGNETIC PULSATIONS
        GEOMAGNETISM
      % INDEXES
        MAGNETIC DISTURBANCES
        MAGNETIC PROPERTIES
        MAGNETIC VARIATIONS

KRAFT PROCESS (WOODPULP)
  3407
  RT    MANUFACTURING
        PAPER (MATERIAL)
      % PROCESSES

KRAMERS-KRONIG FORMULA
  2306
  RT %  DISPERSION
      % FORMULAS
        OPACITY
        SPECTRUM ANALYSIS

KREBS CYCLE
  0403 0406
  RT    CELLS (BIOLOGY)
        METABOLISM

KREEP
  3007
  GS    MINERALS
        #KREEP
        ROCKS
        .LUNAR ROCKS
        .#KREEP
  RT    GEOLOGY
        LUNAR SOIL
        PHOSPHATES
        POTASSIUM
        RARE EARTH ELEMENTS

KRIGING
  1902
  RT    VARIANCE (STATISTICS)

KRONECKER PRODUCT
  USE   ORTHOGONALITY

KROOK EQUATION
  1203 1902
  RT %  EQUATIONS
        HYDRODYNAMICS
        KINETIC THEORY
        SHEAR FLOW
        SHOCK WAVE PROFILES

KRUEGER FLAPS
  USE   LEADING EDGE FLAPS

KRYPTON
  0603 1807
  GS    CHEMICAL ELEMENTS
        .RARE GASES
        .#KRYPTON
        ...KRYPTON ISOTOPES
        ....KRYPTON 85
        GASES
        .RARE GASES
        .#KRYPTON
        ...KRYPTON ISOTOPES
        ....KRYPTON 85

KRYPTON FLUORIDE LASERS
  1601
  GS    STIMULATED EMISSION DEVICES
        .LASERS
        ..GAS LASERS
        ..#KRYPTON FLUORIDE LASERS
        ..RARE GAS-HALIDE LASERS
        ..#KRYPTON FLUORIDE LASERS
  RT    COHERENT ELECTROMAGNETIC RADIATION
        LASING
        MASERS
        OPTICAL PUMPING

KRYPTON ISOTOPES
  0603 1807 2406
  GS    CHEMICAL ELEMENTS
        .NUCLIDES
        ..ISOTOPES
        ..#KRYPTON ISOTOPES
        ....KRYPTON 85
        .RARE GASES
        ..KRYPTON
        ..#KRYPTON ISOTOPES
        ....KRYPTON 85
        GASES
        .RARE GASES
        ..KRYPTON
        ..#KRYPTON ISOTOPES
        ....KRYPTON 85

KRYPTON 85
  0603 1807 2406
  GS    CHEMICAL ELEMENTS
        .NUCLIDES
        ..ISOTOPES
        ...KRYPTON ISOTOPES
        ...#KRYPTON 85
        ...RADIOACTIVE ISOTOPES
        ...#KRYPTON 85
        .RARE GASES
        ..KRYPTON
        ...KRYPTON ISOTOPES
        ...#KRYPTON 85
        GASES
        .RARE GASES
        ..KRYPTON
        ...KRYPTON ISOTOPES
        ...#KRYPTON 85

KU BAND
  USE   SUPERHIGH FREQUENCIES

KUIPER AIRBORNE OBSERVATORY
  1106
  GS    OBSERVATORIES
        #KUIPER AIRBORNE OBSERVATORY
  RT    AIRBORNE EQUIPMENT
        ASTRONOMICAL SPECTROSCOPY
        C-141 AIRCRAFT
        INFRARED ASTRONOMY
        OBSERVATION AIRCRAFT
        SOFIA (AIRBORNE OBSERVATORY)

KURILE ISLANDS
  1305
  GS    LANDFORMS
        .ISLANDS
        ..PACIFIC ISLANDS
        ..#KURILE ISLANDS
  RT    U.S.S.R.

KURTOSIS
```

1308
GS DISTRIBUTION (PROPERTY)
.FREQUENCY DISTRIBUTION
.#KURTOSIS
RT % DISTRIBUTION
FOURIER ANALYSIS
% PATTERNS
STATISTICAL DISTRIBUTIONS

KUTTA-JOUKOWSKI CONDITION
0101 1203 3501
GS CONDITIONS
#KUTTA-JOUKOWSKI CONDITION
RT AIRFOIL PROFILES
BOUNDARY LAYER SEPARATION
JOUKOWSKI TRANSFORMATION

KUWAIT
1305
GS NATIONS
#KUWAIT
RT ASIA

KWIC INDEXES
0802 3405
GS CLASSIFICATIONS
.INDEXES (DOCUMENTATION)
.#KWIC INDEXES
RT % INDEXES
THESAURI

KYOKKO SATELLITE
USE EXOS-A SATELLITE

KYRGYZSTAN
1305
GS NATIONS
#KYRGYZSTAN
RT ASIA

L BAND
USE ULTRAHIGH FREQUENCIES

L-SAT
0702
UF EUROPEAN LARGE TELECOMM SATELLITE
GS ARTIFICIAL SATELLITES
.COMMUNICATION SATELLITES
.#L-SAT
.ESA SATELLITES
.#L-SAT
ESA SPACECRAFT
.ESA SATELLITES
.#L-SAT
RT SATELLITE NETWORKS

L-28 AIRCRAFT
USE U-10 AIRCRAFT

L-29 AIRCRAFT
USE L-29 JET TRAINER

L-29 JET TRAINER
0204 0207
UF DELFIN AIRCRAFT
L-29 AIRCRAFT
OMNIPOL L-29 AIRCRAFT
GS JET AIRCRAFT
#L-29 JET TRAINER
MONOPLANES
#L-29 JET TRAINER
SINGLE ENGINE AIRCRAFT
#L-29 JET TRAINER
TILT WING AIRCRAFT
#L-29 JET TRAINER
TRAINING AIRCRAFT
#L-29 JET TRAINER
V/STOL AIRCRAFT
#L-29 JET TRAINER

L-1011 AIRCRAFT
0204
GS COMMERCIAL AIRCRAFT
#L-1011 AIRCRAFT
JET AIRCRAFT
#L-1011 AIRCRAFT
LOCKHEED AIRCRAFT
#L-1011 AIRCRAFT
PASSENGER AIRCRAFT
#L-1011 AIRCRAFT
TRANSPORT AIRCRAFT
#L-1011 AIRCRAFT
RT % AIRCRAFT
TURBOFAN ENGINES

L-2000 AIRCRAFT
0204
UF LOCKHEED L-2000 AIRCRAFT
GS JET AIRCRAFT
#L-2000 AIRCRAFT
LOCKHEED AIRCRAFT
#L-2000 AIRCRAFT
PASSENGER AIRCRAFT
#L-2000 AIRCRAFT
SUPERSONIC AIRCRAFT
.SUPERSONIC TRANSPORTS
.#L-2000 AIRCRAFT
TRANSPORT AIRCRAFT
#L-2000 AIRCRAFT
RT % AIRCRAFT

LABELING (MARKING)
USE MARKING

LABOR
3402 3406
RT MANPOWER
MEDIATION
PERSONNEL SELECTION

LABORATORIES
1106 1108 3501
GS #LABORATORIES
.ENGINE TESTING LABORATORIES
.ENVIRONMENTAL LABORATORIES
.HUMAN FACTORS LABORATORIES
.LUNAR LABORATORIES
..LUNAR RECEIVING LABORATORY
.LUNAR MOBILE LABORATORIES
.SPACE LABORATORIES
..ADVANCED TECHNOLOGY LABORATORY
..ATMOSPHERIC CLOUD PHYSICS LAB
(SPACELAB)
..EARTH VIEWING APPLICATIONS
LABORATORY
..LONG DURATION EXPOSURE FACILITY
..MANNED ORBITAL LABORATORIES
...SKYLAB 1
...SKYLAB 2
...SKYLAB 3
...SKYLAB 4
...SPACELAB
.UNDERWATER RESEARCH LABORATORIES
RT EXPERIMENT DESIGN
EXPERIMENTATION
NUCLEAR RESEARCH
RESEARCH FACILITIES
SAIL PROJECT
TEST FACILITIES
% TESTS

LABORATORY EQUIPMENT
1106 1108 3501
GS #LABORATORY EQUIPMENT
.IMAGE FURNACES
.SYRINGES
RT AMPOULES
% EQUIPMENT
GLASSWARE
MEASURING INSTRUMENTS
PIPETTES

LABRADOR
1305
RT CANADA

LABYRINTH
0404 0405
GS ANATOMY
.SENSE ORGANS
..EAR
..#LABYRINTH
....COCHLEA
.....CORTI ORGAN
....OTOLITH ORGANS
....SEMICIRCULAR CANALS
....VESTIBULES

LABYRINTH SEALS
1501
GS SEALS (STOPPERS)
#LABYRINTH SEALS
RT FLUID FLOW
GASKETS
GLANDS (SEALS)
HERMETIC SEALS
LEAKAGE
O RING SEALS
PACKINGS (SEALS)
PLUGS
PUMP SEALS
ROTOR SPEED

LABYRINTHECTOMY
0404 0405
GS SURGERY
#LABYRINTHECTOMY
RT EAR

LACATE (EXPERIMENT)
1309
UF LOWER ATMOSPHERIC COMPOSITION EXPERIMENT
RT ATMOSPHERIC COMPOSITION
ATMOSPHERIC TEMPERATURE
LOWER ATMOSPHERE

LACE (ENGINE)
USE LIQUID AIR CYCLE ENGINES

LACQUERS
0409 1808
GS COATINGS
#LACQUERS
FINISHES
#LACQUERS
RT METAL COATINGS
PRIMERS (COATINGS)
PROTECTIVE COATINGS
SPRAYED COATINGS

LACTATES
0403 0603 1808
GS ESTERS
#LACTATES

LACTIC ACID
0603 1808
GS ACIDS
.CARBOXYLIC ACIDS
.#LACTIC ACID
ORGANIC COMPOUNDS
.CARBOXYLIC ACIDS
.#LACTIC ACID

LACTOSE
0403 1808
GS ORGANIC COMPOUNDS
.CARBOHYDRATES
..SUGARS
..#LACTOSE

LACUNAS
0402 0404 0409
RT LICHENS
PLANTS (BOTANY)

LADDERS
0506 1502
RT ESCALATORS
STAIRWAYS

LAG (DELAY)
USE TIME LAG

LAGEOS (SATELLITE)
1303 1304 3107
UF LASER GEODYNAMIC SATELLITE
GS ARTIFICIAL SATELLITES
.PASSIVE SATELLITES
.#LAGEOS (SATELLITE)
RT LASER RANGE FINDERS
RETROREFLECTION

LAGOONS
1305
GS LANDFORMS
#LAGOONS
RT ATOLLS
BARS (LANDFORMS)
BEACHES
COASTS
DUNES
INLETS (TOPOGRAPHY)
ISLAND ARCS
ISLANDS
LAKES
PONDS
RESERVOIRS
TOPOGRAPHY

LAGRANGE COORDINATES
1202 1902
GS COORDINATES
#LAGRANGE COORDINATES
RT CLASSICAL MECHANICS
HYDRODYNAMICS
LAGRANGIAN FUNCTION
LIBRATIONAL MOTION

LAGRANGE EQUATIONS OF MOTION
USE EULER-LAGRANGE EQUATION

LAGRANGE MULTIPLIERS
1902
RT CHIRAL DYNAMICS
DIFFERENTIAL EQUATIONS
ISOPERIMETRIC PROBLEM
LAGRANGIAN FUNCTION
MULTIPLIERS
OPERATIONS RESEARCH
OPTIMIZATION

LAGRANGE SIMILARITY HYPOTHESIS
1202 1902
GS HYPOTHESES
#LAGRANGE SIMILARITY HYPOTHESIS
THEOREMS
.SIMILARITY THEOREM
.#LAGRANGE SIMILARITY HYPOTHESIS
RT ENERGY DISSIPATION
ENERGY TRANSFER
KINETIC ENERGY
KOLMOGOROV THEORY
TURBULENT FLOW

LAGRANGIAN
USE LAGRANGIAN FUNCTION

LAGRANGIAN EQUILIBRIUM POINTS
1202 1902
GS GRAVITATIONAL EFFECTS
#LAGRANGIAN EQUILIBRIUM POINTS
RT CELESTIAL MECHANICS
GRAVITATIONAL FIELDS
ORBITAL MECHANICS

LAGRANGIAN FUNCTION
1902
UF LAGRANGIAN

GS FUNCTIONS (MATHEMATICS)
#LAGRANGIAN FUNCTION
RT EULER-LAGRANGE EQUATION
KINETIC ENERGY
LAGRANGE COORDINATES
LAGRANGE MULTIPLIERS
POTENTIAL ENERGY

LAGUERRE FUNCTIONS
1902
GS ANALYSIS (MATHEMATICS)
.COMPLEX VARIABLES
.#LAGUERRE FUNCTIONS
FUNCTIONS (MATHEMATICS)
#LAGUERRE FUNCTIONS
RT ORTHOGONAL FUNCTIONS

LAKE BEDS
USE BEDS (GEOLOGY)

LAKE CHAMPLAIN BASIN (NY-VT)
1305
GS LANDFORMS
.STRUCTURAL BASINS
.#LAKE CHAMPLAIN BASIN (NY-VT)
RT CANADA
LAKES
NEW YORK
VERMONT

LAKE ERIE
1305 1306
GS LAKES
.GREAT LAKES (NORTH AMERICA)
.#LAKE ERIE
RT HYDROLOGY
RIVERS
STREAMS
WATER
WATER MANAGEMENT

LAKE HURON
1305 1306
GS LAKES
.GREAT LAKES (NORTH AMERICA)
.#LAKE HURON
RT HYDROLOGY
RIVERS
SAGINAW BAY (MI)
STREAMS
WATER
WATER MANAGEMENT

LAKE ICE
1308 1310 2003
GS ICE
#LAKE ICE
..ICE FLOES
RT BAY ICE
ICE FORMATION
LAKES
LAND ICE
SEA ICE
WATER

LAKE MICHIGAN
1305 1306
GS LAKES
.GREAT LAKES (NORTH AMERICA)
.#LAKE MICHIGAN
RT HYDROLOGY
RIVERS
STREAMS
WATER
WATER MANAGEMENT

LAKE ONTARIO
1305 1306
GS LAKES
.GREAT LAKES (NORTH AMERICA)
.#LAKE ONTARIO
RT HYDROLOGY
RIVERS
STREAMS
WATER
WATER MANAGEMENT

LAKE PONTCHARTRAIN (LA)
1305
GS LAKES
#LAKE PONTCHARTRAIN (LA)
RT LOUISIANA

LAKE SUPERIOR
1305 1306
GS LAKES
.GREAT LAKES (NORTH AMERICA)
.#LAKE SUPERIOR
RT HYDROLOGY
RIVERS
STREAMS
WATER
WATER MANAGEMENT

LAKE TAHOE (CA-NV)
1306 1310
GS LAKES
#LAKE TAHOE (CA-NV)
RT CALIFORNIA
NEVADA

LAKE TEXOMA (OK-TX)
1305 1310
GS LAKES
#LAKE TEXOMA (OK-TX)
RT LIMNOLOGY
OKLAHOMA
RESERVOIRS
TEXAS
VADOSE WATER

LAKES
1310 1306
GS #LAKES
.GREAT LAKES (NORTH AMERICA)
..LAKE ERIE
..LAKE HURON
..LAKE MICHIGAN
..LAKE ONTARIO
..LAKE SUPERIOR
.GREAT SALT LAKE (UT)
.LAKE PONTCHARTRAIN (LA)
.LAKE TAHOE (CA-NV)
.LAKE TEXOMA (OK-TX)
.PYRAMID LAKE (NV)
RT AQUIFERS
BAYOUS
BEACHES
COASTS
EARTH HYDROSPHERE
EUTROPHICATION
INLAND WATERS
KETTLES (GEOLOGY)
LAGOONS
LAKE CHAMPLAIN BASIN (NY-VT)
LAKE ICE
LIMNOLOGY
PLAYAS
PONDS
REGIONAL PLANNING
RESERVOIRS
RIVER BASINS
SHOALS
SHORELINES
SPRINGS (WATER)
STRAITS
SURFACE WATER
THERMAL POLLUTION
WATER CIRCULATION
WATER COLOR
WATER DEPTH
WATER RESOURCES
WATERWAYS

LALLEMAND CAMERAS

1412 3009
GS OPTICAL EQUIPMENT
.CAMERAS
.#LALLEMAND CAMERAS
PHOTOGRAPHIC EQUIPMENT
.CAMERAS
.#LALLEMAND CAMERAS
RT ASTRONOMICAL PHOTOGRAPHY
ELECTRO-OPTICAL PHOTOGRAPHY
IMAGE CONVERTERS
IMAGE INTENSIFIERS
IMAGE TRANSDUCERS
LIGHT AMPLIFIERS
SPECTROSCOPY
TELEVISION CAMERAS

LAMB WAVES
2301 2311
GS ELASTIC WAVES
.SOUND WAVES
.#LAMB WAVES
RT ACOUSTIC PROPERTIES
ACOUSTICS
STURM-LIOUVILLE THEORY
ULTRASONIC TESTS

LAMBDA ROCKET VEHICLES
3106 3108 3409
GS ROCKET VEHICLES
.MULTISTAGE ROCKET VEHICLES
.#LAMBDA ROCKET VEHICLES
.SOUNDING ROCKETS
.#LAMBDA ROCKET VEHICLES
RT SOLID PROPELLANT ROCKET ENGINES
% VEHICLES

LAMBDA TAURI STARS
3001
GS CELESTIAL BODIES
.STARS
..DOUBLE STARS
...BINARY STARS
....ECLIPSING BINARY STARS
....#LAMBDA TAURI STARS
..VARIABLE STARS
..#LAMBDA TAURI STARS

LAMBERT LAW
USE BOUGUER LAW

LAMBERT SURFACE
2311
RT REFLECTION
% SURFACE GEOMETRY
% SURFACES

LAME FUNCTIONS
1902
GS FUNCTIONS (MATHEMATICS)
#LAME FUNCTIONS
RT BOUNDARY VALUE PROBLEMS
DIFFERENTIAL EQUATIONS

LAME WAVE EQUATIONS
1202 1203 1902
GS ANALYSIS (MATHEMATICS)
.REAL VARIABLES
..DIFFERENTIAL EQUATIONS
..#LAME WAVE EQUATIONS
WAVE EQUATIONS
#LAME WAVE EQUATIONS
RT ACOUSTICS
ELASTIC WAVES
% EQUATIONS
STURM-LIOUVILLE THEORY
WAVE PROPAGATION

LAMELLA
0404 0406
RT BONES

LAMELLA (METALLURGY)
1302
RT ALUMINUM ALLOYS
COPPER ALLOYS
CRYSTALLOGRAPHY
EUTECTIC ALLOYS
MICROSTRUCTURE

LAMINA
USE LAYERS

LAMINAR BOUNDARY LAYER
0101 1202 1203
UF LAMINAR BOUNDARY LAYER SEPARATION
LAMINAR FLOW CONTROL
GS BOUNDARY LAYERS
#LAMINAR BOUNDARY LAYER
RT BOUNDARY LAYER COMBUSTION
BOUNDARY LAYER TRANSITION
COMPRESSIBLE BOUNDARY LAYER
GOERTLER INSTABILITY
HYPERSONIC BOUNDARY LAYER
INCOMPRESSIBLE BOUNDARY LAYER
INTERACTIONAL AERODYNAMICS
ISOTHERMAL LAYERS
POHLHAUSEN METHOD
SUPERSONIC BOUNDARY LAYERS
THERMAL BOUNDARY LAYER
THREE DIMENSIONAL BOUNDARY LAYER
TURBULENT BOUNDARY LAYER
TWO DIMENSIONAL BOUNDARY LAYER
X-21 AIRCRAFT

LAMINAR BOUNDARY LAYER SEPARATION
USE BOUNDARY LAYER SEPARATION
LAMINAR BOUNDARY LAYER

LAMINAR FLAMES
USE FLAMES
LAMINAR FLOW

LAMINAR FLOW
0101 1202 1203
UF LAMINAR FLAMES
LAMINAR JETS
POISEUILLE FLOW
STREAMLINE FLOW
GS FLUID FLOW
#LAMINAR FLOW
..BLASIUS FLOW
..HARTMANN FLOW
..STRATIFIED FLOW
RT AERODYNAMICS
ATMOSPHERIC TURBULENCE
BOUNDARY LAYER TRANSITION
CAPILLARY FLOW
CRITICAL FLOW
FALKNER-SKAN EQUATION
FLOW CHARACTERISTICS
FLOW GEOMETRY
FLOW STABILITY
FORCED CONVECTION
FREE CONVECTION
GAS FLOW
GAS STREAMS
INVISCID FLOW
LIQUID FLOW
LOW REYNOLDS NUMBER
MASS FLOW
MULTIPHASE FLOW
NEWTON PRESSURE LAW
OPEN CHANNEL FLOW
ORIFICE FLOW
PARALLEL FLOW
PIPE FLOW
PRANDTL-MEYER EXPANSION
RAYLEIGH-BENARD CONVECTION
REYNOLDS NUMBER
ROSHKO PREDICTION
SINGLE-PHASE FLOW
STEADY FLOW
STEAM FLOW
TOLLMIEN-SCHLICHTING WAVES
% TRANSITION LAYERS

TURBULENT FLOW
TWO PHASE FLOW
UNIFORM FLOW
UNSTEADY FLOW
VISCOUS DRAG
VISCOUS FLOW
WEDGE FLOW
X-21A AIRCRAFT

LAMINAR FLOW AIRFOILS
0101 0102 1202
GS AIRFOILS
#LAMINAR FLOW AIRFOILS

LAMINAR FLOW CONTROL
USE BOUNDARY LAYER CONTROL
LAMINAR BOUNDARY LAYER

LAMINAR HEAT TRANSFER
1202 1203 3303 3501
GS TRANSMISSION
.HEAT TRANSMISSION
..HEAT TRANSFER
..#LAMINAR HEAT TRANSFER
RT CONDUCTIVE HEAT TRANSFER
CONVECTIVE HEAT TRANSFER
THERMOHYDRAULICS
TURBULENT HEAT TRANSFER

LAMINAR JETS
USE JET FLOW
LAMINAR FLOW

LAMINAR MIXING
1202 1203
GS MIXING
#LAMINAR MIXING
RT FLUID INJECTION
GAS MIXTURES
MIXING LAYERS (FLUIDS)
TURBULENT MIXING

LAMINAR WAKES
0101 1110 1202 1203
GS WAKES
#LAMINAR WAKES
RT AIRCRAFT WAKES
TURBULENT WAKES

LAMINATED MATERIALS
USE LAMINATES

LAMINATES
1504 2311 3202
UF LAMINATED MATERIALS
LAMINATIONS
MULTILAYER STRUCTURES
GS COMPOSITE MATERIALS
#LAMINATES
..BORAL
..PLYWOOD
COMPOSITE STRUCTURES
#LAMINATES
..BORAL
..PLYWOOD
RT BONDING
BORON-EPOXY COMPOSITES
CLADDING
COATINGS
DEBONDING (MATERIALS)
FABRICS
FIBER COMPOSITES
FILAMENT WINDING
% FILMS
FORMICA
GLASS FIBER REINFORCED PLASTICS
HONEYCOMB STRUCTURES
HYBRID COMPOSITES
INTERLAMINAR STRESS
INTERLAYERS
LAY-UP
% LAYERS
MAGNETIC CORES
% MATERIALS
MATRIX MATERIALS
METAL BONDING
METALLIZING
MULTILAYER INSULATION
PAPERS
PLATING
PLY ORIENTATION
POLYMER MATRIX COMPOSITES
PREPREGS
REINFORCED PLASTICS
REINFORCED PLATES
SANDWICH STRUCTURES
% SHEETS
SUBSTRATES
THERMOSETTING RESINS
VENEERS

LAMINATIONS
USE LAMINATES

LAMPS
USE LUMINAIRES

LAMPS PROGRAM
USE LIGHT AIRBORNE MULTIPURPOSE SYSTEM

LAN (COMPUTER NETWORKS)
USE LOCAL AREA NETWORKS

LANCE MISSILE
3101 3401
GS MISSILES
.SURFACE TO SURFACE MISSILES
.#LANCE MISSILE
RT LIQUID PROPELLANT ROCKET ENGINES
TRAILBLAZER 1 REENTRY VEHICLE
TX-77 ENGINE

LAND
1303 1304 1308
GS #LAND
.ALLEGHENY PLATEAU (US)
.ARID LANDS
.BADLANDS
.BARREN LAND
.CASCADE RANGE (CA-OR-WA)
.COLORADO PLATEAU (US)
.DESERTS
..GOBI DESERT
..LIBYAN DESERT
..MOJAVE DESERT (CA)
..SAHARA DESERT (AFRICA)
.FARMLANDS
.GRASSLANDS
..LLANOS ORIENTALES (COLOMBIA)
.ISTHMUSES
.MARSHLANDS
.PARKS
..NATIONAL PARKS
...YELLOWSTONE NATIONAL PARK
(ID-MT-WY)
.PLAINS
..COASTAL PLAINS
..FLOOD PLAINS
..LLANOS ORIENTALES (COLOMBIA)
..PAMPAS
..PLAYAS
..TUNDRA
.RANGELANDS
.WETLANDS
RT CAPES (LANDFORMS)
DESERTIFICATION
DESERTLINE
PENINSULAS
RESIDENTIAL AREAS
RURAL AREAS
RURAL LAND USE
SITES
SOD
SOILS
TOPOGRAPHY

```
LAND ICE
  1306
  UF   ICE SHELVES
  GS   ICE
       #LAND ICE
       RESOURCES
       .EARTH RESOURCES
       .#LAND ICE
  RT   ANTARCTIC REGIONS
       GLACIAL DRIFT
       GLACIERS
       ICEBERGS
       LAKE ICE
       SEA ICE

LAND MANAGEMENT
  1306 3402 3406
  GS   MANAGEMENT
       .RESOURCES MANAGEMENT
       .#LAND MANAGEMENT
  RT   ENVIRONMENT MANAGEMENT
       REGIONAL PLANNING
       RURAL LAND USE
       URBAN PLANNING
       WILDERNESS

LAND MOBILE SATELLITE SERVICE
  1901
  GS   MOBILE COMMUNICATION SYSTEMS
       #LAND MOBILE SATELLITE SERVICE
  RT   COMMUNICATION SATELLITES
       GROUND STATIONS
       MSAT
       RADIO COMMUNICATION

LAND SURFACE TEMPERATURE
  1408 2001 2003 3008 3303 3501
  GS   TEMPERATURE
       #LAND SURFACE TEMPERATURE
  RT   AIR LAND INTERACTIONS
       ATMOSPHERIC TEMPERATURE
       SEA SURFACE TEMPERATURE
       SURFACE TEMPERATURE

LAND USE
  1303 1306 3404
  GS  #LAND USE
       .RURAL LAND USE
  RT   AGRISTARS PROJECT
       AIRPORT PLANNING
       BARREN LAND
       CHANGE DETECTION
       CONSERVATION
       DESERTIFICATION
     % DEVELOPMENT
       EARTH RESOURCES
       ECONOMIC DEVELOPMENT
       ENERGY POLICY
       ENVIRONMENT MANAGEMENT
       EXPLOITATION
     % FACILITIES
       FARMLANDS
       FOREST MANAGEMENT
       GRASSLANDS
       INDUSTRIAL AREAS
       LANDFILLS
       LEASING
       RESIDENTIAL AREAS
       SITE SELECTION
       SPOT (FRENCH SATELLITE)
       STARSITE PROGRAM
       SUBURBAN AREAS
       URBAN DEVELOPMENT
       URBAN PLANNING
       URBAN RESEARCH

LANDAU DAMPING
  2403 2405 2502
  GS   DAMPING
       #LANDAU DAMPING
  RT   ELECTRON PLASMA
       LANDAU FACTOR
       PHASE VELOCITY
       PLASMA WAVES
       SPACE CHARGE

LANDAU FACTOR
  2403 2405
  RT   ATOMIC ENERGY LEVELS
       ATOMIC THEORY
       LANDAU DAMPING
       PLASMAS (PHYSICS)
       SUPERCONDUCTIVITY

LANDAU-GINZBURG EQUATIONS
  1902
  RT % EQUATIONS
       QUANTUM ELECTRODYNAMICS
       SUPERCONDUCTIVITY

LANDFILLS
  0505
  RT   INDUSTRIAL WASTES
       LAND USE
       METHANE
       SOLID WASTES
       WASTE DISPOSAL
       WASTE UTILIZATION
       WATER POLLUTION

LANDFORMS
  1305 1306
  GS  #LANDFORMS
       .ARROYOS
       .BARRIERS (LANDFORMS)
       ..OUTER BANKS (NC)
       ..REEFS
       .BARS (LANDFORMS)
       .BEDS (GEOLOGY)
       ..SALT BEDS
       .BRIDGES (LANDFORMS)
       .CALDERAS
       .CANALS
       .CANYONS
       ..GRAND CANYON (AZ)
       .CAPES (LANDFORMS)
       ..CAPE HATTERAS (NC)
       .CONES (VOLCANOES)
       .CUSPS (LANDFORMS)
       .DEATH VALLEY (CA)
       .DELTAS
       ..MISSISSIPPI DELTA (LA)
       ..RHONE DELTA (FRANCE)
       .DIVIDES (LANDFORMS)
       .DUNES
       .ESCARPMENTS
       .FANS (LANDFORMS)
       .FIORDS
       .FLATS (LANDFORMS)
       ..TIDAL FLATS
       .GAPS (GEOLOGY)
       .INLETS (TOPOGRAPHY)
       ..BAYOUS
       ..COOK INLET (AK)
       .INLIERS (LANDFORMS)
       .ISLAND ARCS
       .ISLANDS
       ..ALEUTIAN ISLANDS (US)
       ..ASSATEAGUE ISLAND (MD-VA)
       ..ATOLLS
       ..BAHRAIN
       ..BERMUDA
       ..CANARY ISLANDS
       ..CYPRUS
       ..GREENLAND
       ..HAWAII
       ..ICELAND
       ..INDONESIA
       ..IRELAND
       ..KEYS (ISLANDS)
       ..LONG ISLAND (NY)
       ..MADAGASCAR
       ..MALDIVE ISLANDS
       ..MALTA
```

..MAURITIUS
..MERRITT ISLAND (FL)
..NEWFOUNDLAND
..NUNATAKS
..PACIFIC ISLANDS
...GUAM
...JAPAN
...JOHNSTON ISLAND
...KURILE ISLANDS
...NEW GUINEA (ISLAND)
...NEW ZEALAND
...PHILIPPINES
...SAMOA
..PRINCE EDWARD ISLAND
..SEYCHELLES
..SICILY
..TASMANIA
..WALLOPS ISLAND
..WEST INDIES
...ANTIGUA AND BARBUDA
...BAHAMAS
...BARBADOS
...CUBA
...DOMINICA
...GRENADA
...GUADELOUPE
...HAITI
...JAMAICA
...LESSER ANTILLES
...MARTINIQUE
...PUERTO RICO
...TRINIDAD AND TOBAGO
...VIRGIN ISLANDS
.ISTHMUSES
.LAGOONS
.MAGDALENA-CAUCA VALLEY (COLOMBIA)
.MASSIFS
.MOUNTAINS
..ADIRONDACK MOUNTAINS (NY)
..ALPS MOUNTAINS (EUROPE)
..ANDES MOUNTAINS (SOUTH AMERICA)
..APPALACHIAN MOUNTAINS (NORTH AMERICA)
..BIGHORN MOUNTAINS (MT-WY)
..BLACK HILLS (SD-WY)
..CARPATHIAN MOUNTAINS (EUROPE)
..CASCADE RANGE (CA-OR-WA)
..CAUCASUS MOUNTAINS (U.S.S.R.)
..COASTAL RANGES (CA)
..GREAT SMOKY MOUNTAINS (NC-TN)
..HIMALAYAS
..PENINSULAR RANGES (CA)
..PYRENEES MOUNTAINS (EUROPE)
..ROCKY MOUNTAINS (NORTH AMERICA)
..SAN JUAN MOUNTAINS (CO)
..SIERRA NEVADA MOUNTAINS (CA)
..WIND RIVER RANGE (WY)
..WRANGELL MOUNTAINS (AK)
.MUSKEGS
.OUTLIERS (LANDFORMS)
.PANAMA CANAL ZONE
.PEAKS (LANDFORMS)
..PIKE'S PEAK (CO)
.PENINSULAS
..DELMARVA PENINSULA (DE-MD-VA)
.PHOENIX QUADRANGLE (AZ)
.PLAYAS
.RAVINES
.ST LAWRENCE VALLEY (NORTH AMERICA)
.STEPPES
.STRUCTURAL BASINS
..CIRQUES (LANDFORMS)
..GREAT BASIN (US)
..KALAHARI BASIN (AFRICA)
..KARST
...SINKHOLES
..KETTLES (GEOLOGY)
..LAKE CHAMPLAIN BASIN (NY-VT)
..RIVER BASINS
...ATCHAFALAYA RIVER BASIN (LA)
...CHENA RIVER BASIN (AK)
...COLUMBIA RIVER BASIN (ID-OR-WA)
...DELAWARE RIVER BASIN (US)
...FEATHER RIVER BASIN (CA)
...MISSOURI RIVER BASIN (US)
...SUSQUEHANNA RIVER BASIN (MD-NY-PA)
...WABASH RIVER BASIN (IL-IN-OH)
...WADIS
..WATERSHEDS
..WILLISTON BASIN (NORTH AMERICA)
.TERRACES (LANDFORMS)
..PLATEAUS
...ALLEGHENY PLATEAU (US)
...COLORADO PLATEAU (US)
...MESAS
....BUTTES
...PIEDMONTS
....CENTRAL PIEDMONT (US)
.TUNDRA
.VOLCANOES
..MARS VOLCANOES
RT ARCHIPELAGOES
CROSSBEDDING (GEOLOGY)
DITCHES
EARTHQUAKE RESISTANCE
% FAULTS
GEOLOGICAL FAULTS
GLACIAL DRIFT
LANDMARKS
LANDSLIDES
PLAINS
% PLATFORMS
% RIDGES
SEAMOUNTS
SLOPES
STRUCTURAL PROPERTIES (GEOLOGY)
TERRAIN
TOPOGRAPHY

LANDING
0101 0201 0203 1102 3009 3105 3407
GS #LANDING
.AIRCRAFT LANDING
..CRASH LANDING
...DITCHING (LANDING)
..SKID LANDINGS
.BLIND LANDING
.GLIDE LANDINGS
..HORIZONTAL SPACECRAFT LANDING
.HARD LANDING
.SOFT LANDING
.SPACECRAFT LANDING
..HORIZONTAL SPACECRAFT LANDING
..LUNAR LANDING
..MARS LANDING
..PLANETARY LANDING
.TOUCHDOWN
.VERTICAL LANDING
.WATER LANDING
..DITCHING (LANDING)
RT AIR TRAFFIC CONTROL
APPROACH
APPROACH AND LANDING TESTS (STS)
ARRIVALS
GUIDANCE (MOTION)
INSTRUMENT FLIGHT RULES
INSTRUMENT LANDING SYSTEMS
MANEUVERS
RUNWAYS
TAKEOFF
VISUAL FLIGHT

LANDING AIDS
0202 0203 1101 1402 1410 2101 2103
UF LANDING SYSTEMS
GS #LANDING AIDS
.AIRPORT BEACONS
..DISCRETE ADDRESS BEACON SYSTEM
.AIRPORT LIGHTS
..RUNWAY LIGHTS
.ARRESTING GEAR
.INSTRUMENT LANDING SYSTEMS
..ALL-WEATHER LANDING SYSTEMS
..AUTOMATIC LANDING CONTROL

.LANDING INSTRUMENTS
..APPROACH INDICATORS
.LANDING RADAR
.MICROVISION LANDING AID
.MICROWAVE LANDING SYSTEMS
..MICROWAVE SCANNING BEAM LANDING SYSTEM
RT % AIDS
AIR TRAFFIC CONTROL
AIR TRAFFIC CONTROLLERS (PERSONNEL)
AIRBORNE RADAR APPROACH
AIRCRAFT EQUIPMENT
AIRCRAFT INSTRUMENTS
AIRCRAFT LANDING
AIRCRAFT SAFETY
AIRPORT TOWERS
AIRPORTS
ANTISKID DEVICES
APPROACH
APPROACH CONTROL
AUTOMATIC PILOTS
DELAYED FLAP APPROACH
GROUND BASED CONTROL
GROUND SUPPORT EQUIPMENT
HEAD-UP DISPLAYS
HELIPORTS
INSTRUMENT APPROACH
MILITARY AIR FACILITIES
NATIONAL AVIATION SYSTEM
NAVIGATION AIDS
PLAT SYSTEM
RADAR APPROACH CONTROL
RADIO BEACONS
RUNWAYS
SAFETY DEVICES
SOLAR COMPASSES

LANDING GEAR
0202 0203 0303
UF RETRACTABLE LANDING GEAR
RT AIRCRAFT PARTS
AIRCRAFT TIRES
AIRFRAMES
% BICYCLE
BRAKES (FOR ARRESTING MOTION)
CARRIAGES
FAIRINGS
FLOATS
% GEAR
HYDROFOILS
NOSE WHEELS
RETRACTABLE EQUIPMENT
SELF ALIGNMENT
SHOCK ABSORBERS
SKIDDING
SKIS
SPRAY INGESTION
TIRES
UNDERCARRIAGES
VEHICLE WHEELS
WHEEL BRAKES
WHEELS

LANDING INSTRUMENTS
0202 1402 1410
GS LANDING AIDS
#LANDING INSTRUMENTS
..APPROACH INDICATORS
RT AIR TRAFFIC CONTROL
AIRCRAFT EQUIPMENT
AIRCRAFT INSTRUMENTS
ALTIMETERS
AUTOMATIC CONTROL
BLIND LANDING
FLIGHT INSTRUMENTS
INSTRUMENT LANDING SYSTEMS
MANUAL CONTROL
MEASURING INSTRUMENTS
RADAR APPROACH CONTROL
SPEED INDICATORS

LANDING LOADS
0201 3201 3203
GS LOADS (FORCES)
.DYNAMIC LOADS
..TRANSIENT LOADS
..#LANDING LOADS
RT DECELERATION
IMPACT LOADS
SHOCK LOADS
STRUCTURAL DESIGN CRITERIA

LANDING MATS
0203 1101
RT AIRCRAFT LANDING
AIRPORTS
MILITARY AIR FACILITIES
RUNWAYS

LANDING MODULES
3004 3110 3201
GS MODULES
.SPACECRAFT MODULES
.#LANDING MODULES
...LUNAR LANDING MODULES
....LUNAR MODULE
.....LSSM
...MARS EXCURSION MODULE
SOFT LANDING SPACECRAFT
#LANDING MODULES
..LUNAR LANDING MODULES
...LUNAR MODULE
....APOLLO LUNAR EXPERIMENT MODULE
....LSSM
....LUNAR MODULE 5
....LUNAR MODULE 7
..MARS EXCURSION MODULE
SPACECRAFT COMPONENTS
.SPACECRAFT MODULES
.#LANDING MODULES
...LUNAR LANDING MODULES
....LUNAR MODULE
.....LSSM
...MARS EXCURSION MODULE
RT APOLLO SPACECRAFT
INTERPLANETARY SPACECRAFT
LAUNCH VEHICLES
MANEUVERABLE SPACECRAFT
MANNED SPACECRAFT
REENTRY VEHICLES
REUSABLE SPACECRAFT
SPACE CAPSULES
SPACECRAFT DOCKING MODULES

LANDING RADAR
0202 0203 0705 1101 1102 1402 1410
2101 2103
GS LANDING AIDS
#LANDING RADAR
RADAR
#LANDING RADAR
RT AIR TRAFFIC CONTROL
AIRCRAFT LANDING
AIRCRAFT SAFETY
APPROACH CONTROL
INSTRUMENT APPROACH
RADAR APPROACH CONTROL

LANDING SIMULATION
0804 1107 1108 3501
GS SIMULATION
#LANDING SIMULATION
RT ALTITUDE SIMULATION
ATMOSPHERIC ENTRY SIMULATION
COMPUTERIZED SIMULATION
FLIGHT SIMULATION
SPACECRAFT LANDING
TRAINING SIMULATORS

LANDING SITES
3006 3007 3008
GS SITES
#LANDING SITES
..LUNAR LANDING SITES
RT HELIPORTS

RECOVERY ZONES
RUNWAYS
TRAJECTORY CONTROL

LANDING SPEED
0203 3102 3103 3105
GS RATES (PER TIME)
#LANDING SPEED
VELOCITY
#LANDING SPEED
RT HIGH SPEED
LOW SPEED

LANDING SYSTEMS
USE LANDING AIDS

LANDMARKS
1303
RT LANDFORMS
TERRAIN
TOPOGRAPHY

LANDSAT E
1304 1306 1308 1310 3107
UF EARTH RESOURCES TECHNOLOGY
SATELLITE E
EOS-A
ERTS-E
GS ARTIFICIAL SATELLITES
.LANDSAT SATELLITES
.#LANDSAT E

LANDSAT F
1304 1306 1308 1310 3107
UF EARTH RESOURCES TECHNOLOGY
SATELLITE F
EOS-B
ERTS-F
GS ARTIFICIAL SATELLITES
.LANDSAT SATELLITES
.#LANDSAT F

LANDSAT FOLLOW-ON MISSIONS
1304 1306 1308 1310 3107
UF LFO
RT % MISSIONS
MULTIMISSION MODULAR SPACECRAFT

LANDSAT SATELLITES
1304 1306 1308 1310 3107
UF EARTH RESOURCES TECHNOLOGY
SATELLITES
EOS
ERTS
GS ARTIFICIAL SATELLITES
#LANDSAT SATELLITES
..LANDSAT E
..LANDSAT F
..LANDSAT 1
..LANDSAT 2
..LANDSAT 3
..LANDSAT 4
..LANDSAT 5
RT AGRISTARS PROJECT
EARTH OBSERVATIONS (FROM SPACE)
EARTHNET
MAPSAT
NASA PROGRAMS
OCEANOGRAPHY
SATELLITE OBSERVATION
SEASAT PROGRAM
SEASAT SATELLITES
SEASAT 1
SEASAT-B SATELLITE
SYNCHRONOUS EARTH OBSERVATORY
SATELLITE

LANDSAT 1
1304 1306 1308 1310 3107
UF EARTH RESOURCES TECHNOLOGY
SATELLITE 1
ERTS-A
GS ARTIFICIAL SATELLITES
.LANDSAT SATELLITES
.#LANDSAT 1

LANDSAT 2
1304 1306 1308 1310 3107
UF EARTH RESOURCES TECHNOLOGY
SATELLITE B
ERTS-B
GS ARTIFICIAL SATELLITES
.LANDSAT SATELLITES
.#LANDSAT 2

LANDSAT 3
1306 1308 1310 3107
UF EARTH RESOURCES TECHNOLOGY
SATELLITE C
ERTS-C
GS ARTIFICIAL SATELLITES
.LANDSAT SATELLITES
.#LANDSAT 3
RT PLASMA INTERACTION EXPERIMENT

LANDSAT 4
1304 1306 1308 1310 3107
UF EARTH RESOURCES TECHNOLOGY
SATELLITE D
ERTS-D
GS ARTIFICIAL SATELLITES
.LANDSAT SATELLITES
.#LANDSAT 4
RT THEMATIC MAPPERS (LANDSAT)

LANDSAT 5
1306 1308 1310 3107
GS ARTIFICIAL SATELLITES
.LANDSAT SATELLITES
.#LANDSAT 5
RT THEMATIC MAPPERS (LANDSAT)

LANDSCAPE
USE TERRAIN
TOPOGRAPHY

LANDSLIDES
1306 1308
GS EARTH MOVEMENTS
#LANDSLIDES
RT CLIFFS
FLOOD DAMAGE
LANDFORMS
RAIN EROSION
ROCKS
SLOPES
SOIL EROSION
SOILS
STORM DAMAGE

LANES
USE PATHS

LANGEVIN FORMULA
1902 2305 2401
RT DISPERSING
FERROMAGNETISM
MAGNETIC MOMENTS

LANGLEY COMPLEX COORDINATOR
0502 1107
GS SIMULATORS
.ENVIRONMENT SIMULATORS
..SPACE SIMULATORS
..#LANGLEY COMPLEX COORDINATOR
RT FLIGHT SIMULATORS
GRAVITATIONAL EFFECTS
ROTATING ENVIRONMENTS
SPACE ENVIRONMENT SIMULATION
WEIGHTLESSNESS SIMULATION

LANGMUIR PROBES
USE ELECTROSTATIC PROBES

LANGMUIR-BLODGETT FILMS

```
  1503
  GS    THIN FILMS
        .MONOMOLECULAR FILMS
        .#LANGMUIR-BLODGETT FILMS
  RT    COATINGS
      % FILMS
        INTEGRATED OPTICS
        MOLECULAR ELECTRONICS
        POLYMERIC FILMS

LANGUAGE PROGRAMMING
  0802 3405
  GS    COMPUTER PROGRAMMING
        #LANGUAGE PROGRAMMING
  RT    COMPUTER ASSISTED INSTRUCTION
        DATA PROCESSING
        HIGH LEVEL LANGUAGES
        LANGUAGES
        MACHINE ORIENTED LANGUAGES
        MACHINE TRANSLATION
        SYMBOLIC PROGRAMMING
      % TRANSLATORS

LANGUAGES
  0408 0410 0702 0802 3405
  GS   #LANGUAGES
        .COMMAND LANGUAGES
        ..QUERY LANGUAGES
        .ENGLISH LANGUAGE
        .HARDWARE DESCRIPTION LANGUAGES
        .ORTHOGRAPHY
        .PROGRAMMING LANGUAGES
        ..ALGOL
        ..APL (PROGRAMMING LANGUAGE)
        ..ASSEMBLY LANGUAGE
        ...AUTOCODERS
        ...COMPASS (PROGRAMMING LANGUAGE)
        ...MAP (PROGRAMMING LANGUAGE)
        ..BASIC (PROGRAMMING LANGUAGE)
        ..COBOL
        ..COGO (PROGRAMMING LANGUAGE)
        ..CONTEXT FREE LANGUAGES
        ..FORTH (PROGRAMMING LANGUAGE)
        ..FORTRAN
        ..HAL/S (LANGUAGE)
        ..HIGH LEVEL LANGUAGES
        ...ADA (PROGRAMMING LANGUAGE)
        ...C (PROGRAMMING LANGUAGE)
        ....C++ (PROGRAMMING LANGUAGE)
        ..LISP (PROGRAMMING LANGUAGE)
        ..MACHINE ORIENTED LANGUAGES
        ...MARVS (PROGRAMMING LANGUAGE)
        ..NATURAL LANGUAGE (COMPUTERS)
        ..PASCAL (PROGRAMMING LANGUAGE)
        ..PL/1
        ..PROLOG (PROGRAMMING LANGUAGE)
        .SENTENCES
        ..WORDS (LANGUAGE)
        ...SYLLABLES
  RT    ALPHABETS
        ARTICULATION (SPEECH)
        CODING
        COMMUNICATION THEORY
        GRAMMARS
        LANGUAGE PROGRAMMING
        LINGUISTICS
        MACHINE TRANSLATION
        PHONEMES
        PHONEMICS
        PHONETICS
        SEMANTICS
        SPEECH
        SYMBOLS
        SYNTAX
        TRANSLATING
        VERBAL COMMUNICATION
        VOWELS

LANTHANIDE SERIES METALS
  USE   RARE EARTH ELEMENTS

LANTHANUM
  0603 1703
  GS    CHEMICAL ELEMENTS
        .RARE EARTH ELEMENTS
        .#LANTHANUM
        ...LANTHANUM ISOTOPES
        METALS
        .RARE EARTH ELEMENTS
        .#LANTHANUM
        ...LANTHANUM ISOTOPES
  RT    DIDYMIUM

LANTHANUM ALLOYS
  0603 1701 1703
  GS    ALLOYS
        .RARE EARTH ALLOYS
        .#LANTHANUM ALLOYS

LANTHANUM CHLORIDES
  0603 1804
  GS    HALOGEN COMPOUNDS
        .CHLORINE COMPOUNDS
        ..CHLORIDES
        ..#LANTHANUM CHLORIDES
        .HALIDES
        ..CHLORIDES
        ..#LANTHANUM CHLORIDES
        ..METAL HALIDES
        ..#LANTHANUM CHLORIDES
        LANTHANUM COMPOUNDS
        #LANTHANUM CHLORIDES

LANTHANUM COMPOUNDS
  0603 1804 1808
  GS   #LANTHANUM COMPOUNDS
        .LANTHANUM CHLORIDES
        .LANTHANUM FLUORIDES
        .LANTHANUM OXIDES
        .LANTHANUM TELLURIDES
  RT  % CHEMICAL COMPOUNDS
      % METAL COMPOUNDS

LANTHANUM FLUORIDES
  0603 1804
  GS    HALOGEN COMPOUNDS
        .FLUORINE COMPOUNDS
        ..FLUORIDES
        ...METAL FLUORIDES
        ...#LANTHANUM FLUORIDES
        LANTHANUM COMPOUNDS
        #LANTHANUM FLUORIDES

LANTHANUM ISOTOPES
  2406
  UF    LANTHANUM 140
  GS    CHEMICAL ELEMENTS
        .NUCLIDES
        ..ISOTOPES
        ..#LANTHANUM ISOTOPES
        .RARE EARTH ELEMENTS
        ..LANTHANUM
        ..#LANTHANUM ISOTOPES
        METALS
        .RARE EARTH ELEMENTS
        ..LANTHANUM
        ..#LANTHANUM ISOTOPES

LANTHANUM OXIDES
  0603 1804
  GS    CHALCOGENIDES
        .OXIDES
        ..METAL OXIDES
        ..#LANTHANUM OXIDES
        LANTHANUM COMPOUNDS
        #LANTHANUM OXIDES

LANTHANUM TELLURIDES
  0603 1804
  GS    CHALCOGENIDES
        .TELLURIDES
        .#LANTHANUM TELLURIDES
        LANTHANUM COMPOUNDS
        #LANTHANUM TELLURIDES
        RARE EARTH COMPOUNDS
```

```
      #LANTHANUM TELLURIDES
      TELLURIUM COMPOUNDS
      .TELLURIDES
      .#LANTHANUM TELLURIDES

LANTHANUM 140
  USE  LANTHANUM ISOTOPES

LAOS
  1305
  GS   NATIONS
       #LAOS
  RT   ASIA

LAP JOINTS
  1504 1507
  GS   JOINTS (JUNCTIONS)
       #LAP JOINTS
  RT   BOLTED JOINTS
       BUTT JOINTS
       METAL JOINTS
       RIVETED JOINTS
       SOLDERED JOINTS
       WELDED JOINTS

LAPLACE EQUATION
  1902 2311 3501
  RT % EQUATIONS
       HARMONIC FUNCTIONS
       PARTIAL DIFFERENTIAL EQUATIONS
       POISSON EQUATION
       STOKES-BELTRAMI EQUATION

LAPLACE OPERATORS
  USE  LAPLACE TRANSFORMATION

LAPLACE TRANSFORMATION
  1902
  UF   LAPLACE OPERATORS
  GS   ANALYSIS (MATHEMATICS)
       .FUNCTIONAL ANALYSIS
       ..INTEGRAL TRANSFORMATIONS
       ..#LAPLACE TRANSFORMATION
       FUNCTIONS (MATHEMATICS)
       #LAPLACE TRANSFORMATION
       TRANSFORMATIONS (MATHEMATICS)
       .INTEGRAL TRANSFORMATIONS
       .#LAPLACE TRANSFORMATION
  RT   DIFFERENTIAL EQUATIONS
       OPERATORS (MATHEMATICS)

LAPSE RATE
  1301 1302 1307 1308 2003
  RT   HUMIDITY
       TEMPERATURE
       TEMPERATURE INVERSIONS
       TEPHIGRAMS

LARA AIRCRAFT
  USE  COIN AIRCRAFT

LARGE APERTURE SEISMIC ARRAY
  1306 1308 1406
  GS   ARRAYS
       #LARGE APERTURE SEISMIC ARRAY
  RT   EARTH MOVEMENTS
       EARTHQUAKES
       MEASURING INSTRUMENTS
       SEISMIC WAVES
       SEISMOLOGY

LARGE AREA CROP INVENTORY EXPERIMENT
  0409
  RT   AGRICULTURE
       AGROPHYSICAL UNITS
       CROP GROWTH
       CROP INVENTORIES
     % CROPS
       EARTH RESOURCES
       EARTH RESOURCES PROGRAM
       FARM CROPS
       INVENTORIES

LARGE DEPLOYABLE REFLECTOR
  1412 3001
  UF   LDR (TELESCOPE)
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       ..ASTRONOMICAL SATELLITES
       ..#LARGE DEPLOYABLE REFLECTOR
       OBSERVATORIES
       .ASTRONOMICAL OBSERVATORIES
       ..ASTRONOMICAL SATELLITES
       ..#LARGE DEPLOYABLE REFLECTOR
       TELESCOPES
       .INFRARED TELESCOPES
       .#LARGE DEPLOYABLE REFLECTOR
       .REFLECTING TELESCOPES
       .#LARGE DEPLOYABLE REFLECTOR
       .SPACEBORNE TELESCOPES
       .#LARGE DEPLOYABLE REFLECTOR
  RT   INFRARED ASTRONOMY
       LARGE SPACE STRUCTURES
       REFLECTORS
       SPACE ERECTABLE STRUCTURES
       SUBMILLIMETER WAVES

LARGE INFRARED TELESCOPE ON SPACELAB
  USE  LIRTS (TELESCOPE)

LARGE SCALE INTEGRATION
  0902 1001 1002
  UF   LSI
  GS   CIRCUITS
       .INTEGRATED CIRCUITS
       .#LARGE SCALE INTEGRATION
       MICROELECTRONICS
       #LARGE SCALE INTEGRATION
  RT   APPLICATION SPECIFIC INTEGRATED
       CIRCUITS
       CHIPS (ELECTRONICS)
       DTL INTEGRATED CIRCUITS
       ELECTRONIC PACKAGING
       LINEAR INTEGRATED CIRCUITS
       MEDIUM SCALE INTEGRATION
       MICROMINIATURIZATION
       MICROPROCESSORS
       MOLECULAR ELECTRONICS
       PRINTED CIRCUITS
       TTL INTEGRATED CIRCUITS
       VERY LARGE SCALE INTEGRATION
       VHSIC (CIRCUITS)

LARGE SPACE STRUCTURES
  3109
  RT   COLUMBUS SPACE STATION
       CONTINUUM MODELING
       EXPANDABLE STRUCTURES
       FLEXIBLE SPACECRAFT
       HOOP COLUMN ANTENNAS
       INTRAORBIT TRANSFER VEHICLES
       LARGE DEPLOYABLE REFLECTOR
       LASER GYROSCOPES
       MAYPOLE ANTENNAS
       MEGAMECHANICS
       ORBITAL SERVICING
       ORBITAL SPACE TESTS
       SELF SHADOWING
       SHAPE CONTROL
       SMART STRUCTURES
       SOLAR POWER SATELLITES
       SPACE ERECTABLE STRUCTURES
       SPACE OPERATIONS CENTER (NASA)
       SPACE STATION FREEDOM
       SPACE STATION STRUCTURES
       SPACE STATIONS
       SPACE TECHNOLOGY EXPERIMENTS
       SPACECRAFT STRUCTURES
     % STRUCTURES

LARGE SPACE TELESCOPE
  USE  HUBBLE SPACE TELESCOPE

LARGOS SATELLITE
  3107
```

GS ARTIFICIAL SATELLITES
.GEODETIC SATELLITES
.#LARGOS SATELLITE
RT EXPLORER 29 SATELLITE
EXPLORER 36 SATELLITE
GEOS 1 SATELLITE
GEOS 2 SATELLITE
GEOS 3 SATELLITE

LARMOR PRECESSION
2307 2402 2403
GS GYRATION
.PRECESSION
.#LARMOR PRECESSION
RT CYCLOTRON FREQUENCY
CYCLOTRON RADIATION

LARMOR RADIUS
0604
GS DIMENSIONS
.RADII
.#LARMOR RADIUS
GEOMETRY
.EUCLIDEAN GEOMETRY
..RADII
..#LARMOR RADIUS
RT CYCLOTRON RADIATION
GYROMAGNETISM
PLASMA PHYSICS
PRECESSION

LARVAE
0402 0404
GS #LARVAE
.BOLLWORMS
.SILKWORMS
RT ANIMALS
ARTHROPODS
INFESTATION
INSECTS
INVERTEBRATES
PUPA
WORMS

LARYNX
0404 0405
GS ANATOMY
.RESPIRATORY SYSTEM
.#LARYNX
...GLOTTIS
...VOCAL CORDS
RT CARTILAGE

LASER ABLATION
1601 3407
GS ABLATION
#LASER ABLATION
RT LASER ANNEALING
LASER APPLICATIONS
LASER BEAMS
LASER DAMAGE
LASER DRILLING
LASER HEATING
LASER PLASMAS
LASER TARGET INTERACTIONS
LASER WELDING

LASER ALTIMETERS
1410 1601 2104 2310
GS MEASURING INSTRUMENTS
.DISTANCE MEASURING EQUIPMENT
..ALTIMETERS
..#LASER ALTIMETERS
RT AIRCRAFT INSTRUMENTS
ALTITUDE CONTROL
% INSTRUMENTS
LASERS
OPTICAL RADAR
SATELLITE INSTRUMENTS
SPACECRAFT INSTRUMENTS

LASER ANEMOMETERS
1601
GS MEASURING INSTRUMENTS
.ANEMOMETERS
.#LASER ANEMOMETERS
RT FLOW VELOCITY
VELOCITY MEASUREMENT

LASER ANNEALING
1601
GS HEAT TREATMENT
.ANNEALING
.#LASER ANNEALING
RT HEATING
LASER ABLATION
LASER CUTTING
LASERS
NORMALIZING (HEAT TREATMENT)
RECRYSTALLIZATION
SIMULATED ANNEALING
TEMPERING

LASER APPLICATIONS
3404 1601
GS UTILIZATION
#LASER APPLICATIONS
..LASER CUTTING
..LASER DEPOSITION
...PULSED LASER DEPOSITION
..LASER FUSION
RT AIRBORNE LASERS
DATA TRANSMISSION
HOLE BURNING
LASER ABLATION
LASER HEATING
LASER PROPULSION
LASER WEAPONS
LASERS
METAL WORKING
OPTICAL DATA STORAGE MATERIALS
OPTICAL DISKS
OPTICAL RADAR
OPTICAL RELAY SYSTEMS
PHOTOACOUSTIC SPECTROSCOPY
PLASMADYNAMIC LASERS
PRODUCTION ENGINEERING
RAPID BALLISTICS IDENTIFICATION
SPACEBORNE LASERS
SPECKLE HOLOGRAPHY
SPECKLE INTERFEROMETRY
TECHNOLOGY UTILIZATION
ULTRASHORT PULSED LASERS

LASER ARRAYS
1601
GS ARRAYS
#LASER ARRAYS
RT COUPLED MODES
FAR FIELDS
LASER BEAMS
LASER MODES
LASER OUTPUTS
LASERS
LINEAR ARRAYS
NEAR FIELDS
OPTICAL COUPLING
PHASED ARRAYS
SEMICONDUCTOR LASERS
STIMULATED EMISSION DEVICES
SURFACE EMITTING LASERS

LASER BEAM DEFOCUSING
USE THERMAL BLOOMING

LASER BEAMS
1601 2306 2402
SN (LIMITED TO THE TRANSMISSION AND INTERACTIONS OF LASER RADIATION; FOR THE QUANTITATIVE AND QUALITATIVE CHARACTERISTICS OF THE RADIATION PRODUCED BY A LASER USE 'LASER OUTPUTS')
UF LASER RADIATION
GS BEAMS (RADIATION)

.LIGHT BEAMS
.#LASER BEAMS
COHERENT RADIATION
.COHERENT ELECTROMAGNETIC RADIATION
.#LASER BEAMS
ELECTROMAGNETIC RADIATION
.COHERENT ELECTROMAGNETIC RADIATION
.#LASER BEAMS
.LIGHT BEAMS
.#LASER BEAMS
RT BEAMFORMING
FOUR-WAVE MIXING
LASER ABLATION
LASER ARRAYS

LASER CAVITIES
1601
UF OPTICAL GENERATORS
RT AMPLIFIERS
LASER STABILITY
LASERS
LIGHT AMPLIFIERS
% OPTICS
PULSE GENERATORS
SEMICONDUCTOR LASERS
SOLID STATE DEVICES
SOLID STATE LASERS
STIMULATED EMISSION DEVICES

LASER COMMUNICATION
USE OPTICAL COMMUNICATION

LASER CUTTING
1601
GS CUTTING
#LASER CUTTING
UTILIZATION
.LASER APPLICATIONS
.#LASER CUTTING
RT BLANKING (CUTTING)
CUTTERS
FOCUSING
FORMING TECHNIQUES
LASER ANNEALING
LASER DRILLING
LASER HEATING
LASER OUTPUTS
LASER TARGET INTERACTIONS
MACHINING
% MATERIALS SCIENCE
METAL CUTTING
MICROMACHINING
SPLITTING
THERMAL BLOOMING

LASER DAMAGE
1601
GS DAMAGE
.RADIATION DAMAGE
.#LASER DAMAGE
RADIATION EFFECTS
.RADIATION DAMAGE
.#LASER DAMAGE
RT BURNS (INJURIES)
LASER ABLATION
PULSED RADIATION
RADIATION HAZARDS

LASER DEPOSITION
0604 1504 1601 1802
GS DEPOSITION
#LASER DEPOSITION
..PULSED LASER DEPOSITION
UTILIZATION
.LASER APPLICATIONS
.#LASER DEPOSITION
...PULSED LASER DEPOSITION
RT CRYSTAL GROWTH
EPITAXY
EXCIMER LASERS
LASER HEATING
SUPERCONDUCTING FILMS
VAPOR DEPOSITION

LASER DIODES
USE SEMICONDUCTOR LASERS

LASER DOPPLER VELOCIMETERS
0501 0702 1601
GS MEASURING INSTRUMENTS
#LASER DOPPLER VELOCIMETERS
OPTICAL EQUIPMENT
#LASER DOPPLER VELOCIMETERS
RT FLOW MEASUREMENT
NONINTRUSIVE MEASUREMENT
OPTICAL MEASURING INSTRUMENTS
PARTICLE IMAGE VELOCIMETRY
VELOCITY MEASUREMENT

LASER DRILLING
1504 1601 3404
GS DRILLING
#LASER DRILLING
RT FOCUSING
LASER ABLATION
LASER CUTTING
MICROMACHINING

LASER FUSION
1601 2202 2204 2205
GS UTILIZATION
.LASER APPLICATIONS
.#LASER FUSION
RT % FUSION
GLASS LASERS
HIGH POWER LASERS
INERTIAL FUSION (REACTOR)
NOVA LASER SYSTEM
PLASMAS (PHYSICS)
SHIVA LASER SYSTEM

LASER GEODYNAMIC SATELLITE
USE LAGEOS (SATELLITE)

LASER GUIDANCE
1200
GS GUIDANCE (MOTION)
.TERMINAL GUIDANCE
.#LASER GUIDANCE
RT COMPUTER PROGRAMS
HOMING DEVICES
IMPACT PREDICTION
MISSILE CONTROL

LASER GYROSCOPES
1403
GS GYROSCOPES
#LASER GYROSCOPES
RT LARGE SPACE STRUCTURES
OPTICAL GYROSCOPES
SAGNAC EFFECT
% SENSORS
SPACECRAFT GUIDANCE
STABILIZATION

LASER HEATING
1504 1601
GS HEATING
#LASER HEATING
RT HEAT SOURCES
LASER ABLATION
LASER APPLICATIONS
LASER CUTTING
LASER DEPOSITION
PULSE HEATING
PULSED LASER DEPOSITION
PULSED LASERS
THERMAL BLOOMING
YAG LASERS

LASER INDUCED FLUORESCENCE
1601 2401 2404
UF LIF (FLUORESCENCE)
GS EMISSION
.LIGHT EMISSION

..LUMINESCENCE
...FLUORESCENCE
...#LASER INDUCED FLUORESCENCE
RT ELECTROMAGNETIC ABSORPTION
EXCITATION
EXTINCTION
IRRADIATION
LASER OUTPUTS
LASER SPECTROSCOPY
MOSSBAUER EFFECT
PHOSPHORS
PHOTOIONIZATION
PHOTOLUMINESCENCE
PLASMA RADIATION

LASER INTERFEROMETRY
1405
GS INTERFEROMETRY
#LASER INTERFEROMETRY
RT SAGNAC EFFECT

LASER MATERIALS
1601
RT ALEXANDRITE
GADOLINIUM-GALLIUM GARNET
MASER MATERIALS
% MATERIALS
METAL VAPOR LASERS
QUANTUM WELL LASERS
RHODAMINE
SULFUR HEXAFLUORIDE
XENON CHLORIDE LASERS
XENON FLUORIDE LASERS
YAG LASERS

LASER MICROSCOPY
2310
GS MICROSCOPY
#LASER MICROSCOPY
RT ELECTRO-OPTICS
LIGHT AMPLIFIERS
METAL VAPOR LASERS
MICROELECTRONICS

LASER MODE LOCKING
0902 1003 2402
GS LOCKING
#LASER MODE LOCKING
RT INJECTION LOCKING
LASERS
OPTICAL COUPLING

LASER MODES
1601
GS MODES
#LASER MODES
RT AXIAL MODES
FIELD MODE THEORY
HELIUM-NEON LASERS
LASER ARRAYS
LASER STABILITY
OPTICAL RESONATORS
TEA LASERS
WAVEGUIDE LASERS
WAVELENGTHS

LASER OUTPUTS
0710 1601 2306 2310 2402
SN (LIMITED TO THE QUANTITATIVE AND QUALITATIVE CHARACTERISTICS OF THE RADIATION PRODUCED BY A LASER; FORTHE TRANSMISSION AND INTERACTIONS OF LASER RADIATION USE 'LASER BEAMS')
GS OUTPUT
#LASER OUTPUTS
RT ATMOSPHERIC LASERS
% COHERENCE
COHERENT LIGHT
DIFFRACTION RADIATION
DISTRIBUTED FEEDBACK LASERS
DYE LASERS
EXCIMER LASERS
FREQUENCY PULLING
GASDYNAMIC LASERS
GLASS LASERS
HELIUM-NEON LASERS
HIGH POWER LASERS
HOLOGRAPHIC INTERFEROMETRY
LASER ARRAYS
LASER CUTTING
LASER INDUCED FLUORESCENCE
LASER STABILITY
MASER OUTPUTS
NOVA LASER SYSTEM
OPTICAL RESONATORS
OPTICAL WAVEGUIDES
PHASE MATCHING
PHOTON BEAMS
PICOSECOND PULSES
PULSE DURATION
QUANTUM EFFICIENCY
RADIANT FLUX DENSITY
SHIVA LASER SYSTEM
SPECKLE PATTERNS
THERMAL BLOOMING
TUBE LASERS
TWO-WAVELENGTH LASERS
ULTRAVIOLET LASERS
VOLUMETRIC EFFICIENCY
WAVEGUIDE LASERS
WAVELENGTHS
X RAY LASERS
XENON CHLORIDE LASERS
XENON FLUORIDE LASERS
YAG LASERS

LASER PLASMA INTERACTIONS
1601
GS ELECTROMAGNETIC INTERACTIONS
.PLASMA-ELECTROMAGNETIC INTERACTION
.#LASER PLASMA INTERACTIONS
PLASMA INTERACTIONS
.PLASMA-ELECTROMAGNETIC INTERACTION
.#LASER PLASMA INTERACTIONS
RT BACKSCATTERING
ELECTROMAGNETIC COUPLING
GLASS LASERS
% INTERACTIONS
PLASMAS (PHYSICS)
THETA PINCH

LASER PLASMAS
2501 2502
SN (EXCLUDES LASER OUTPUTS)
GS PARTICLES
.CHARGED PARTICLES
..ENERGETIC PARTICLES
...PLASMAS (PHYSICS)
...#LASER PLASMAS
RT INERTIAL FUSION (REACTOR)
LASER ABLATION
LASERS

LASER POWER BEAMING
3107 3109
UF POWER TRANSMISSION (LASERS)
GS POWER BEAMING
#LASER POWER BEAMING
RT ENERGY CONVERSION
LASER PROPULSION
MICROWAVE POWER BEAMING
MICROWAVE TRANSMISSION
SATELLITE POWER TRANSMISSION
SPACECRAFT POWER SUPPLIES

LASER PROPULSION
0301 1601
GS PROPULSION
.ELECTRIC PROPULSION
.#LASER PROPULSION
RT AIRCRAFT ENGINES
HYBRID PROPULSION
LASER APPLICATIONS
LASER POWER BEAMING

```
      OPTICAL PUMPING
      POWER BEAMING
      PROPULSION SYSTEM CONFIGURATIONS
      PROPULSIVE EFFICIENCY
      RANKINE CYCLE
      ROCKET ENGINES
      SPACECRAFT PROPULSION
      THERMODYNAMIC CYCLES

LASER PUMPING
  1601
  GS  OPTICAL PUMPING
      #LASER PUMPING
  RT  LASERS
      MASER PUMPING
    % PUMPING
      RARE GAS-HALIDE LASERS
      SOLAR-PUMPED LASERS
      STIMULATED EMISSION DEVICES
      WIGGLER MAGNETS

LASER RADAR
  USE OPTICAL RADAR

LASER RADIATION
  USE LASER BEAMS

LASER RANGE FINDERS
  1406 1600 3501
  GS  MEASURING INSTRUMENTS
      .DISTANCE MEASURING EQUIPMENT
      ..RANGE FINDERS
      ...OPTICAL RANGE FINDERS
      ...#LASER RANGE FINDERS
      .OPTICAL MEASURING INSTRUMENTS
      ..OPTICAL RANGE FINDERS
      ..#LASER RANGE FINDERS
      OPTICAL EQUIPMENT
      .OPTICAL MEASURING INSTRUMENTS
      ..OPTICAL RANGE FINDERS
      ..#LASER RANGE FINDERS
  RT  LAGEOS (SATELLITE)
      LUNAR RANGEFINDING
      LUNAR RETROREFLECTORS
      NAVIGATION AIDS
      NAVIGATION INSTRUMENTS

LASER RANGER/TRACKER
  2310 0709 1109 2310
  RT  AIRBORNE LASERS
      RANGE FINDERS
      RANGEFINDING
      TRACKING (POSITION)

LASER SPECTROMETERS
  1406 3501
  GS  MEASURING INSTRUMENTS
      .SPECTROMETERS
      .#LASER SPECTROMETERS
  RT  ABSORPTION SPECTRA
      INFRARED SPECTROSCOPY
      LASER SPECTROSCOPY

LASER SPECTROSCOPY
  2306
  GS  SPECTROSCOPY
      .OPTICAL EMISSION SPECTROSCOPY
      .#LASER SPECTROSCOPY
  RT  CHEMICAL ANALYSIS
      LASER INDUCED FLUORESCENCE
      LASER SPECTROMETERS
      PHOTOACOUSTIC SPECTROSCOPY
      SPECTROSCOPIC ANALYSIS
      SPECTRUM ANALYSIS

LASER STABILITY
  0902
  RT  CONTINUOUS WAVE LASERS
      FREQUENCY PULLING
      FREQUENCY STABILITY
      LASER CAVITIES
      LASER MODES
      LASER OUTPUTS

LASER TARGET DESIGNATORS
  1406 3501
  RT % DETECTORS
      MISSILE TRACKING
      SATELLITE TRACKING
      TARGET RECOGNITION
      TARGETS

LASER TARGET INTERACTIONS
  1601
  RT % INTERACTIONS
      LASER ABLATION
      LASER CUTTING
      LASERS
      PULSED LASERS
      TARGETS

LASER TARGETS
  1601
  GS  TARGETS
      #LASER TARGETS
  RT  GLASS LASERS
      LASERS

LASER WEAPONS
  3302
  GS  WEAPON SYSTEMS
      #LASER WEAPONS
      WEAPONS
      #LASER WEAPONS
  RT  FUSION WEAPONS
      LASER APPLICATIONS
      LASERS
      MILITARY TECHNOLOGY
      SPACE WEAPONS
      STIMULATED EMISSION DEVICES

LASER WELDING
  1507
  GS  WELDING
      .FUSION WELDING
      .#LASER WELDING
  RT  BONDING
      HEATING
      LASER ABLATION
      PULSED LASERS
      SOLDERING

LASER WINDOWS
  1601
  GS  WINDOWS (INTERVALS)
      #LASER WINDOWS
  RT  BANDWIDTH
      ENERGY BANDS
      LASERS

LASERS
  1601
  UF  FABRY-PEROT LASERS
      NATURAL LASERS
      OPTICAL MASERS
  GS  STIMULATED EMISSION DEVICES
      #LASERS
      ..AIRBORNE LASERS
      ..ARGON LASERS
      ..ATMOSPHERIC LASERS
      ..CARBON LASERS
      ..CHEMICAL LASERS
      ...HCL LASERS
      ..CONTINUOUS WAVE LASERS
      ..DISTRIBUTED FEEDBACK LASERS
      ..FREE ELECTRON LASERS
      ..GAMMA RAY LASERS
      ..GAS LASERS
      ...CARBON DIOXIDE LASERS
      ...CARBON MONOXIDE LASERS
      ...DF LASERS
      ...EXCIMER LASERS
      ...HCL LASERS
      ....HCL ARGON LASERS
      ...HCN LASERS
```

...HELIUM-NEON LASERS
...HF LASERS
...KRYPTON FLUORIDE LASERS
...NITROGEN LASERS
...TEA LASERS
...ULTRAVIOLET LASERS
...XENON CHLORIDE LASERS
...XENON FLUORIDE LASERS
..GASDYNAMIC LASERS
..GLASS LASERS
..HIGH POWER LASERS
...NOVA LASER SYSTEM
...SHIVA LASER SYSTEM
..INFRARED LASERS
..INJECTION LASERS
..IODINE LASERS
..LIQUID LASERS
..METAL VAPOR LASERS
..NEODYMIUM LASERS
..NUCLEAR PUMPED LASERS
..ORGANIC LASERS
...DYE LASERS
..PLASMADYNAMIC LASERS
..PULSED LASERS
...Q SWITCHED LASERS
...ULTRASHORT PULSED LASERS
...ULTRAVIOLET LASERS
..RAMAN LASERS
..RARE GAS-HALIDE LASERS
...KRYPTON FLUORIDE LASERS
...XENON CHLORIDE LASERS
...XENON FLUORIDE LASERS
..RING LASERS
..SEMICONDUCTOR LASERS
...ALUMINUM GALLIUM ARSENIDE LASERS
...GALLIUM ARSENIDE LASERS
...YLF LASERS
..SOLAR-PUMPED LASERS
..SOLID STATE LASERS
...ALUMINUM GALLIUM ARSENIDE LASERS
...DBR LASERS
...GALLIUM ARSENIDE LASERS
...RUBY LASERS
...YAG LASERS
...YLF LASERS
..SPACEBORNE LASERS
..SURFACE EMITTING LASERS
..TUNABLE LASERS
..TWO-WAVELENGTH LASERS
..WAVEGUIDE LASERS
..X RAY LASERS
RT ALKALI VAPOR LAMPS
AMPLIFIERS
BEAM SWITCHING
% COHERENCE
COHERENT ELECTROMAGNETIC RADIATION
COHERENT LIGHT
ELECTRON PUMPING
GADOLINIUM-GALLIUM GARNET
GARNETS
HOLE BURNING
HOLOGRAPHY
INFRARED WINDOWS
INTERPLANETARY COMMUNICATION
INTERSTELLAR MASERS
KERR ELECTROOPTICAL EFFECT
LASER ALTIMETERS
LASER ANNEALING
LASER APPLICATIONS
LASER ARRAYS
LASER CAVITIES
LASER MODE LOCKING
LASER PLASMAS
LASER PUMPING
LASER TARGET INTERACTIONS
LASER TARGETS
LASER WEAPONS
LASER WINDOWS
LASING
LIGHT AMPLIFIERS
LIGHT MODULATION
LIGHT SOURCES
LIGHT TRANSMISSION
LUNAR COMMUNICATION
MASERS
MICROBALLOONS
MOLECULAR OSCILLATORS
NUCLEAR PUMPING
OPTICAL COMMUNICATION
OPTICAL DATA PROCESSING
OPTICAL MEMORY (DATA STORAGE)
OPTICAL PUMPING
OPTICAL RESONATORS
% OPTICS
PHASE MATCHING
PHOTODIODES
PHOTONICS
PULSE GENERATORS
PULSED RADIATION
QUANTUM AMPLIFIERS
QUANTUM ELECTRONICS
RAPID BALLISTICS IDENTIFICATION
SENARMONT POLARISCOPES
SOLID STATE DEVICES
SPACE COMMUNICATION
STIMULATED EMISSION
THERMAL BLOOMING
THRESHOLD CURRENTS
TRANSIENT OSCILLATIONS
TRAVELING WAVE MODULATION

LASING
1601
RT DISTRIBUTED FEEDBACK LASERS
ELECTRON TRANSITIONS
EXCIMER LASERS
HOLE BURNING
KRYPTON FLUORIDE LASERS
LASERS
NITROGEN LASERS
OPTICAL TRANSITION
RARE GAS-HALIDE LASERS
STIMULATED EMISSION DEVICES
SURFACE EMITTING LASERS

LASV
USE F-111 AIRCRAFT

LATCH-UP
0906
RT CMOS
ELECTRICAL IMPEDANCE
INTEGRATED CIRCUITS
P-N-P-N JUNCTIONS
SWITCHING CIRCUITS

LATCHES
1504
RT FASTENERS
HOLDERS
LINKAGES
PINS

LATE STARS
3001 3002 3003
GS CELESTIAL BODIES
.STARS
.#LATE STARS
...COOL STARS
....CARBON STARS
....FLARE STARS
....K STARS
....M STARS
.....VAN BIESBROECK STAR
....MIRA VARIABLES
.....OMICRON CETI STAR
....S STARS
RT ASYMPTOTIC GIANT BRANCH STARS
DWARF STARS
EARLY STARS
GIANT STARS
MAIN SEQUENCE STARS
RED DWARF STARS
RED GIANT STARS
STELLAR EVOLUTION

SUBGIANT STARS

LATENESS
3406 3408
RT DELAY
SCHEDULING

LATENT HEAT
0301
GS CHEMICAL PROPERTIES
.THERMOCHEMICAL PROPERTIES
.#LATENT HEAT
...HEAT OF FUSION
...HEAT OF VAPORIZATION
HEAT
.ENTHALPY
.#LATENT HEAT
...HEAT OF FUSION
...HEAT OF VAPORIZATION
THERMODYNAMIC PROPERTIES
.ENTHALPY
.#LATENT HEAT
...HEAT OF FUSION
...HEAT OF VAPORIZATION
.THERMOCHEMICAL PROPERTIES
.#LATENT HEAT
...HEAT OF FUSION
...HEAT OF VAPORIZATION
.THERMOPHYSICAL PROPERTIES
.#LATENT HEAT
...HEAT OF FUSION
...HEAT OF VAPORIZATION

LATENT HEAT OF FUSION
USE HEAT OF FUSION

LATERAL CONTROL
0101 0104 0201 3203
UF LATERALIZATION
ROLL CONTROL
GS ATTITUDE CONTROL
#LATERAL CONTROL
RT AILERONS
AIRCRAFT CONTROL
ALTITUDE CONTROL
AUTOMATIC CONTROL
% CONTROL
DIRECTIONAL CONTROL
ELEVONS
HELICOPTER CONTROL
LONGITUDINAL CONTROL
MANUAL CONTROL
MISSILE CONTROL
ROLL
SATELLITE ATTITUDE CONTROL
SATELLITE CONTROL

LATERAL OSCILLATION
0201 2102 2311
UF SNAKING
RT DIRECTIONAL STABILITY
ROLL
STABILITY AUGMENTATION
TRANSVERSE OSCILLATION
TURNING FLIGHT
YAW
YAWING MOMENTS

LATERAL STABILITY
0101 3203 3408
UF DIHEDRAL EFFECT
LATERALITY
GS DYNAMIC CHARACTERISTICS
.DYNAMIC STABILITY
..MOTION STABILITY
...ATTITUDE STABILITY
...#LATERAL STABILITY
STABILITY
.DYNAMIC STABILITY
..MOTION STABILITY
...ATTITUDE STABILITY
...#LATERAL STABILITY
RT AERODYNAMIC STABILITY
AIRCRAFT STABILITY
DIHEDRAL ANGLE
DIRECTIONAL STABILITY
FLOW STABILITY
HANDEDNESS
HOVERING STABILITY
LONGITUDINAL STABILITY
ROLL
ROLLING MOMENTS
ROTARY STABILITY
SPACECRAFT STABILITY
TURNING FLIGHT
VERTICAL ORIENTATION

LATERALITY
USE LATERAL STABILITY

LATERALIZATION
USE LATERAL CONTROL

LATERITES
0404 1306
GS SOILS
#LATERITES
RT DECOMPOSITION
ROCKS
TROPICAL REGIONS
WATER

LATEX
0409 0603 1808
GS RUBBER
#LATEX
RT ACRYLIC RESINS
ELASTOMERS
SYNTHETIC RUBBERS

LATHES
1504 3404
GS TOOLS
.MACHINE TOOLS
.#LATHES
...TURRET LATHES
RT % CONSTRUCTION MATERIALS
GRINDING MACHINES

LATIN SQUARE METHOD
1700
RT % MATHEMATICS
% METHODOLOGY
% VARIABLE

LATITUDE
1303 1305 1308 1902 2103
GS #LATITUDE
.GEOMAGNETIC LATITUDE
RT COORDINATES
GEODETIC COORDINATES
LONGITUDE
POSITION (LOCATION)

LATITUDE MEASUREMENT
1901 2103
RT LONGITUDE MEASUREMENT
% MEASUREMENT
NAVIGATION
POSITIONING

LATTICE IMPERFECTIONS
USE CRYSTAL DEFECTS

LATTICE PARAMETERS
2601
GS INDEPENDENT VARIABLES
#LATTICE PARAMETERS
RT CRYSTAL LATTICES
CRYSTALLOGRAPHY
PATTERSON MAP
SUPERLATTICES
X RAY ANALYSIS

LATTICE VIBRATIONS

0603 2404 2601
GS VIBRATION
#LATTICE VIBRATIONS
RT CRYSTAL DEFECTS
CRYSTAL LATTICES
FORBIDDEN BANDS
PARTICLE MOTION
PHONONS
RANDOM VIBRATION
SPIN-LATTICE RELAXATION
THERMAL ENERGY

% LATTICES
1704 1902 2405 2601 2603
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT CRYSTAL LATTICES
LATTICES (MATHEMATICS)

LATTICES (MATHEMATICS)
0802 1902
UF SUBLATTICES
GS MATHEMATICAL LOGIC
#LATTICES (MATHEMATICS)
..BOOLEAN ALGEBRA
...BOOLEAN FUNCTIONS
RT COMMUNICATION THEORY
KAKUTANI THEOREM
% LATTICES
% MATHEMATICS
% MATRICES
SET THEORY
VORTEX LATTICE METHOD

LATVIA
1305
RT BALTIC SEA
EUROPE
NATIONS

LAUE METHOD
1407 1411 2402 2601
GS X RAY ANALYSIS
#LAUE METHOD
RT CRYSTAL LATTICES
CRYSTALLOGRAPHY
DIFFRACTION
% METHODOLOGY
X RAY DIFFRACTION

LAUGHING
0408 0410
RT EMOTIONS
HUMAN REACTIONS

LAUNCH CLOUDS
USE EXHAUST CLOUDS

LAUNCH COMPLEXES
USE LAUNCHING BASES

LAUNCH DATES
1104 3001 3009 3102
RT LAUNCHING
SPACECRAFT LAUNCHING
TIME
TURNAROUND (STS)

LAUNCH ESCAPE SYSTEMS
0502 0506 1104 3102
UF LES (ESCAPE SYSTEMS)
GS ESCAPE SYSTEMS
#LAUNCH ESCAPE SYSTEMS
RT ESCAPE CAPSULES
ESCAPE ROCKETS
% SYSTEMS

LAUNCH TIME
USE LAUNCH WINDOWS

LAUNCH VEHICLE CONFIGURATIONS
0201 3103
RT ADVANCED LAUNCH SYSTEM (STS)
AERODYNAMIC CONFIGURATIONS
% CONFIGURATIONS
HOTOL LAUNCH VEHICLE
MISSILE CONFIGURATIONS
PROPULSION SYSTEM CONFIGURATIONS
RECOVERABLE LAUNCH VEHICLES
SPACECRAFT CONFIGURATIONS

LAUNCH VEHICLES
3103 3110
UF CARRIER ROCKETS
GS #LAUNCH VEHICLES
.ABLESTAR LAUNCH VEHICLE
.ARIANE LAUNCH VEHICLE
.ATLAS LAUNCH VEHICLES
..ATLAS ABLE 5 LAUNCH VEHICLE
..ATLAS AGENA B LAUNCH VEHICLE
..ATLAS AGENA LAUNCH VEHICLES
..ATLAS CENTAUR LAUNCH VEHICLE
..ATLAS SLV-3 LAUNCH VEHICLE
.BLUE SCOUT ROCKET VEHICLE
.BLUE STREAK LAUNCH VEHICLE
.CENTAUR LAUNCH VEHICLE
..ATLAS CENTAUR LAUNCH VEHICLE
.DELTA LAUNCH VEHICLE
.DIAMANT LAUNCH VEHICLE
.ELDO LAUNCH VEHICLE
.EUROPA LAUNCH VEHICLES
..EUROPA 1 LAUNCH VEHICLE
..EUROPA 2 LAUNCH VEHICLE
..EUROPA 3 LAUNCH VEHICLE
..EUROPA 4 LAUNCH VEHICLE
.HEAVY LIFT LAUNCH VEHICLES
.HYLA-STAR ROCKET VEHICLE
.JUNO LAUNCH VEHICLES
..JUNO 1 LAUNCH VEHICLE
..JUNO 2 LAUNCH VEHICLE
.LITTLE JOE 2 LAUNCH VEHICLE
.NOMAD LAUNCH VEHICLE
.NOVA LAUNCH VEHICLES
.PEGASUS AIR-LAUNCHED BOOSTER
.RAM B LAUNCH VEHICLE
.RECOVERABLE LAUNCH VEHICLES
.REUSABLE LAUNCH VEHICLES
..SINGLE STAGE TO ORBIT VEHICLES
...HOTOL LAUNCH VEHICLE
.SATURN LAUNCH VEHICLES
..SATURN D LAUNCH VEHICLE
..SATURN 1 LAUNCH VEHICLES
...SATURN 1 SA-1 LAUNCH VEHICLE
...SATURN 1 SA-2 LAUNCH VEHICLE
...SATURN 1 SA-3 LAUNCH VEHICLE
...SATURN 1 SA-4 LAUNCH VEHICLE
...SATURN 1 SA-5 LAUNCH VEHICLE
...SATURN 1 SA-6 LAUNCH VEHICLE
...SATURN 1 SA-7 LAUNCH VEHICLE
...SATURN 1 SA-8 LAUNCH VEHICLE
...SATURN 1 SA-9 LAUNCH VEHICLE
...SATURN 1 SA-10 LAUNCH VEHICLE
..SATURN 1B LAUNCH VEHICLES
..SATURN 2 LAUNCH VEHICLES
..SATURN 5 LAUNCH VEHICLES
.SCOUT LAUNCH VEHICLE
.STANDARD LAUNCH VEHICLES
..ATLAS SLV-3 LAUNCH VEHICLE
..STANDARD LAUNCH VEHICLE 5
.THOR LAUNCH VEHICLES
..THOR ABLE ROCKET VEHICLE
..THOR AGENA LAUNCH VEHICLE
..THOR DELTA LAUNCH VEHICLE
.THORAD LAUNCH VEHICLES
..THOR ABLE ROCKET VEHICLE
..THOR AGENA LAUNCH VEHICLE
..THOR DELTA LAUNCH VEHICLE
.TITAN CENTAUR LAUNCH VEHICLE
.TITAN LAUNCH VEHICLES
..TITAN 3 LAUNCH VEHICLE
..TITAN 4 LAUNCH VEHICLE
.VANGUARD 2 LAUNCH VEHICLE
.VEGA LAUNCH VEHICLE
RT ADVANCED LAUNCH SYSTEM (STS)

```
      AEROSPACE PLANES
      BOOSTER ROCKET ENGINES
    % BOOSTER ROCKETS
    % BOOSTERS
      CENTAUR PROJECT
      EXHAUST CLOUDS
      FLIGHT TEST VEHICLES
      JUPITER C ROCKET VEHICLE
      JUPITER PROJECT
      LANDING MODULES
      LAUNCHERS
      LAUNCHING
      MISSILE LAUNCHERS
      MISSILES
      MULTIENGINE VEHICLES
      MULTISTAGE ROCKET VEHICLES
      NATIONAL LAUNCH VEHICLE PROGRAM
      ROCKET CATAPULTS
      ROCKET ENGINES
      ROCKET LAUNCHERS
      ROCKET LAUNCHING
      ROCKET VEHICLES
    % ROCKETS
      SATURN PROJECT
      SCOUT PROJECT
      SPACE PROCESSING APPLICATIONS
      ROCKET
    % SPACECRAFT
      SPACECRAFT LAUNCHING
      SUSTAINER ROCKET ENGINES
      TEST VEHICLES
      TITAN PROJECT
    % VEHICLES
      VERNIER ENGINES
    % WINGED VEHICLES

LAUNCH WINDOWS
  1104 3102 3103
  UF   LAUNCH TIME
  GS   WINDOWS (INTERVALS)
       #LAUNCH WINDOWS
  RT   LAUNCHING
       ROCKET LAUNCHING
       SPACECRAFT LAUNCHING

LAUNCHERS
  1104 3102 3103
  UF   LAUNCHING DEVICES
  GS  #LAUNCHERS
       .AIRCRAFT LAUNCHING DEVICES
       ..JATO ENGINES
       .CATAPULTS
       ..ROCKET CATAPULTS
       .GUN LAUNCHERS
       .HYPERVELOCITY LAUNCHERS
       .MISSILE LAUNCHERS
       ..MOBILE MISSILE LAUNCHERS
       .ROCKET LAUNCHERS
       ..ROCKET CATAPULTS
  RT   LAUNCH VEHICLES
       LAUNCHING
       LAUNCHING PADS
       LAUNCHING SITES
       MASS DRIVERS
       NATIONAL LAUNCH VEHICLE PROGRAM
       ROCKET LAUNCHING
       TITAN PROJECT

LAUNCHING
  1104 3102 3103
  GS  #LAUNCHING
       .AIR LAUNCHING
       .ROCKET LAUNCHING
       ..LIFTOFF (LAUNCHING)
       ..LUNAR LAUNCH
       ..ORBITAL LAUNCHING
       .SEA LAUNCHING
       .SPACECRAFT LAUNCHING
       ..LIFTOFF (LAUNCHING)
  RT   COUNTDOWN
       EXHAUST CLOUDS
       LAUNCH DATES
       LAUNCH VEHICLES
       LAUNCH WINDOWS
       LAUNCHERS
       MISSILE LAUNCHERS
       NATIONAL LAUNCH VEHICLE PROGRAM
       PRELAUNCH TESTS
       ROCKET LAUNCHERS
     % SHOT
       STARTING
       TITAN PROJECT

LAUNCHING BASES
  1102 1104 3102
  UF   LAUNCH COMPLEXES
  GS  #LAUNCHING BASES
       .CAPE KENNEDY LAUNCH COMPLEX
  RT % FACILITIES
       GROUND SUPPORT EQUIPMENT

LAUNCHING DEVICES
  USE  LAUNCHERS

LAUNCHING PADS
  1104 3102
  GS   SITES
       .LAUNCHING SITES
       .#LAUNCHING PADS
  RT   FLAME DEFLECTORS
       GANTRY CRANES
       GROUND SUPPORT EQUIPMENT
       LAUNCHERS
       LIFTOFF (LAUNCHING)
     % PAD
     % PLATFORMS
       SPACECRAFT LAUNCHING
       UMBILICAL TOWERS

LAUNCHING SITES
  1102 1104 3102
  GS   SITES
       #LAUNCHING SITES
       ..LAUNCHING PADS
  RT   EXHAUST CLOUDS
       GANTRY CRANES
       GROUND SUPPORT EQUIPMENT
       LAUNCHERS
       MISSILE LAUNCHERS
       MISSILE SILOS
       MISSILES
       NATIONAL LAUNCH VEHICLE PROGRAM
       ROCKET CATAPULTS
       ROCKET LAUNCHERS

LAVA
  1304 1306 3009
  GS   EFFUSIVES
       #LAVA
  RT   AGGREGATES
       CALDERAS
       CONES (VOLCANOES)
       EARTH RESOURCES
       IGNEOUS ROCKS
       MAGMA
       MARIA
       MARS VOLCANOES
       MINERALS
       REGOLITH
       RHYOLITE
       ROCKS
       SOILS
       VOLCANOES
       VOLCANOLOGY

LAVAL NUMBER
  1202 1902 3303
  GS   RATIOS
       .DIMENSIONLESS NUMBERS
       .#LAVAL NUMBER

% LAW
  3403
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
```

LISTED BELOW)
RT CLAIMING
LAW (JURISPRUDENCE)
LAWS

LAW (JURISPRUDENCE)
3403
UF FORENSIC SCIENCES
GS #LAW (JURISPRUDENCE)
.INTERNATIONAL LAW
..AIR LAW
..SEA LAW
..SPACE LAW
.PUBLIC LAW
..LIABILITIES
...LEGAL LIABILITY
..PENALTIES
RT CONSTITUTION
CRIME
% LAW
POLITICS
REGULATIONS
VOTING

LAWRENCIUM
0603 1703 2406
GS CHEMICAL ELEMENTS
.ACTINIDE SERIES
..TRANSURANIUM ELEMENTS
..#LAWRENCIUM
.NUCLIDES
..ISOTOPES
...RADIOACTIVE ISOTOPES
....TRANSURANIUM ELEMENTS
....#LAWRENCIUM
METALS
.ACTINIDE SERIES
..TRANSURANIUM ELEMENTS
..#LAWRENCIUM

LAWS
2311
GS #LAWS
.CHILD-LANGMUIR LAW
.CLOSURE LAW
.COFFIN-MANSON LAW
.CONSERVATION LAWS
.FOURIER LAW
.HOOKES LAW
.KEPLER LAWS
.NEWTON PRESSURE LAW
.NEWTON SECOND LAW
.NEWTON-BUSEMANN LAW
.OHMS LAW
.RADIATION LAWS
..KIRCHHOFF LAW OF RADIATION
..STEFAN-BOLTZMANN LAW
..STOKES LAW OF RADIATION
.SCALING LAWS
.SIMILITUDE LAW
.SNELLS LAW
.TAFEL LAW
.WEBER-FECHNER LAW
RT % LAW
RULES
% STOKES LAW

LAY-UP
1804
RT ARAMID FIBERS
CARBON FIBER REINFORCED PLASTICS
COMPOSITE MATERIALS
COMPOSITE STRUCTURES
EPOXY RESINS
FIBER ORIENTATION
LAMINATES
REINFORCING FIBERS

% LAYERS
0101 0202 1202 1301 1302 1308 1504
1703 1805 3203
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
UF LAMINA
PLIES
RT ANTICLINES
ATMOSPHERIC BOUNDARY LAYER
BARRIER LAYERS
BOUNDARY LAYERS
COATINGS
DEEP SCATTERING LAYERS
EARTH IONOSPHERE
EKMAN LAYER
FLAT LAYERS
FOLDS (GEOLOGY)
FORMATIONS
GEOSYNCLINES
INTERCALATION
INTERLAYERS
LAMINATES
MEMBRANES
MIXING LAYERS (FLUIDS)
MONOMOLECULAR FILMS
MULTILAYER INSULATION
PLASMA LAYERS
PLY ORIENTATION
REGIONS
SEDIMENTARY ROCKS
SHEAR LAYERS
SHOCK LAYERS
STRATA
STRATIFICATION
SUBSTRATES
SURFACE LAYERS
SYNCLINES
THREE DIMENSIONAL BOUNDARY LAYER
TURBULENT BOUNDARY LAYER

LAYOUTS
3203 3401 3404 3406
RT BLUEPRINTS
CIRCUIT DIAGRAMS
CONSTRUCTION
DESCRIPTIVE GEOMETRY
% DESIGN
% DRAWING
DRAWINGS
ENGINEERING DRAWINGS
MODELS
% PLANS
SURVEYS

LAZAREV METEORITE
3005
GS CELESTIAL BODIES
.METEORITES
..IRON METEORITES
..#LAZAREV METEORITE
RT STONY METEORITES

LC CIRCUITS
0902 2304
GS CIRCUITS
#LC CIRCUITS
RT INDUCTANCE
NETWORK ANALYSIS
NETWORK SYNTHESIS
PARAMETRIC AMPLIFIERS
RC CIRCUITS
RL CIRCUITS
RLC CIRCUITS
TIME CONSTANT

LCRE REACTOR
USE LITHIUM COOLED REACTOR EXPERIMENT

LDEF
USE LONG DURATION EXPOSURE FACILITY

LDR (TELESCOPE)
USE LARGE DEPLOYABLE REFLECTOR

LEACHING
0602 3404

```
  RT    AUTOCLAVING
        BENEFICIATION
        DISSOLVING
        ELUTION
        EXTRACTION
        FLUSHING
        HYDROMETALLURGY
        PERCOLATION
        PERMEABILITY
      % SEPARATION

LEAD (METAL)
  1703
  GS    CHEMICAL ELEMENTS
        #LEAD (METAL)
        ..LEAD ISOTOPES
        METALS
        #LEAD (METAL)
        ..LEAD ISOTOPES

LEAD ACETATES
  0603 1804
  GS    ACETATES
        #LEAD ACETATES
        ESTERS
        #LEAD ACETATES
        LEAD COMPOUNDS
        #LEAD ACETATES
        ORGANIC COMPOUNDS
        .LEAD ORGANIC COMPOUNDS
        .#LEAD ACETATES

LEAD ACID BATTERIES
  0303
  GS    ELECTROCHEMICAL CELLS
        .ELECTRIC BATTERIES
        ..STORAGE BATTERIES
        ..#LEAD ACID BATTERIES
  RT    CHEMICAL AUXILIARY POWER UNITS
      % ELECTRIC CELLS
        ELECTROLYTIC CELLS
        ENERGY STORAGE
        NICKEL IRON BATTERIES
      % POWER SUPPLIES

LEAD ALLOYS
  0603 1701 1804
  GS    ALLOYS
        #LEAD ALLOYS
  RT    BEARING ALLOYS
        INDIUM ALLOYS
        SOLDERS

LEAD CHLORIDES
  0603 1804
  GS    HALOGEN COMPOUNDS
        .CHLORINE COMPOUNDS
        ..CHLORIDES
        ..#LEAD CHLORIDES
        .HALIDES
        ..CHLORIDES
        ..#LEAD CHLORIDES
        ..METAL HALIDES
        ..#LEAD CHLORIDES
        LEAD COMPOUNDS
        #LEAD CHLORIDES

LEAD COMPOUNDS
  0603 1701 1804
  UF    PLUMBANE
  GS   #LEAD COMPOUNDS
        .LEAD ACETATES
        .LEAD CHLORIDES
        .LEAD MOLYBDATES
        .LEAD OXIDES
        .LEAD SELENIDES
        .LEAD SULFIDES
        .LEAD TELLURIDES
        .LEAD TITANATES
        .LEAD TUNGSTATES
  RT  % CHEMICAL COMPOUNDS
      % GROUP 4A COMPOUNDS
      % METAL COMPOUNDS

LEAD ISOTOPES
  0603 1703 1704 2406
  GS    CHEMICAL ELEMENTS
        .LEAD (METAL)
        .#LEAD ISOTOPES
        .NUCLIDES
        ..ISOTOPES
        ..#LEAD ISOTOPES
        METALS
        .LEAD (METAL)
        .#LEAD ISOTOPES

LEAD MOLYBDATES
  0603 1804
  GS    LEAD COMPOUNDS
        #LEAD MOLYBDATES
        MOLYBDENUM COMPOUNDS
        .MOLYBDATES
        .#LEAD MOLYBDATES

LEAD ORGANIC COMPOUNDS
  1808
  GS    ORGANIC COMPOUNDS
        #LEAD ORGANIC COMPOUNDS
        ..LEAD ACETATES
  RT  % CHEMICAL COMPOUNDS
      % METAL COMPOUNDS

LEAD OXIDES
  0603 1804
  GS    CHALCOGENIDES
        .OXIDES
        ..METAL OXIDES
        ..#LEAD OXIDES
        LEAD COMPOUNDS
        #LEAD OXIDES

LEAD POISONING
  0404 0405 0412
  GS    DISEASES
        .TOXIC DISEASES
        .#LEAD POISONING
        TOXICITY
        #LEAD POISONING
  RT    OCCUPATIONAL DISEASES
      % POISONING
        SMOG

LEAD SELENIDES
  0603 1804
  GS    CHALCOGENIDES
        .SELENIDES
        .#LEAD SELENIDES
        LEAD COMPOUNDS
        #LEAD SELENIDES
        SELENIUM COMPOUNDS
        .SELENIDES
        .#LEAD SELENIDES

LEAD SULFIDES
  0603 1804
  GS    CHALCOGENIDES
        .SULFIDES
        ..INORGANIC SULFIDES
        ..#LEAD SULFIDES
        LEAD COMPOUNDS
        #LEAD SULFIDES
        SULFUR COMPOUNDS
        .SULFIDES
        ..INORGANIC SULFIDES
        ..#LEAD SULFIDES

LEAD TELLURIDES
  0603 1804
  GS    CHALCOGENIDES
        .TELLURIDES
        .#LEAD TELLURIDES
        LEAD COMPOUNDS
        #LEAD TELLURIDES
        TELLURIUM COMPOUNDS
        .TELLURIDES
```

.#LEAD TELLURIDES

LEAD TITANATES
0603 1804
GS LEAD COMPOUNDS
#LEAD TITANATES
TITANIUM COMPOUNDS
.TITANATES
.#LEAD TITANATES

LEAD TUNGSTATES
0603 1804
GS LEAD COMPOUNDS
#LEAD TUNGSTATES
TUNGSTEN COMPOUNDS
.TUNGSTATES
.#LEAD TUNGSTATES

LEAD ZIRCONATE TITANATES
0603
GS TITANIUM COMPOUNDS
.TITANATES
..PIEZOELECTRIC CERAMICS
..#LEAD ZIRCONATE TITANATES

LEADERSHIP
3401 3402 3406
RT MORALE
PERSONNEL MANAGEMENT

LEADING EDGE FLAPS
0104
UF KRUEGER FLAPS
GS AIRFOILS
.FLAPS (CONTROL SURFACES)
..WING FLAPS
..#LEADING EDGE FLAPS
BRAKES (FOR ARRESTING MOTION)
.AERODYNAMIC BRAKES
..WING FLAPS
..#LEADING EDGE FLAPS
CONTROL SURFACES
.FLAPS (CONTROL SURFACES)
..WING FLAPS
..#LEADING EDGE FLAPS
DRAG DEVICES
.AERODYNAMIC BRAKES
..WING FLAPS
..#LEADING EDGE FLAPS
RT AIRCRAFT STRUCTURES
VORTEX FLAPS
% WINGED VEHICLES
WINGS

LEADING EDGE SLATS
0102 0104 0202
UF WING SLATS
GS AIRFOILS
.FLAPS (CONTROL SURFACES)
..WING FLAPS
..#LEADING EDGE SLATS
BRAKES (FOR ARRESTING MOTION)
.AERODYNAMIC BRAKES
..WING FLAPS
..#LEADING EDGE SLATS
.AIRCRAFT BRAKES
..WING FLAPS
..#LEADING EDGE SLATS
CONTROL SURFACES
.FLAPS (CONTROL SURFACES)
..WING FLAPS
..#LEADING EDGE SLATS
DRAG DEVICES
.AERODYNAMIC BRAKES
..WING FLAPS
..#LEADING EDGE SLATS
RT BOUNDARY LAYER CONTROL
SPLIT FLAPS
SPOILERS
TRAILING EDGE FLAPS
WING SLOTS

LEADING EDGE SWEEP
0101 0102
GS GEOMETRY
.EUCLIDEAN GEOMETRY
..ANGLES (GEOMETRY)
...SWEEP ANGLE
....SWEEPBACK
....#LEADING EDGE SWEEP

LEADING EDGE THRUST
0101
GS THRUST
#LEADING EDGE THRUST
RT AERODYNAMIC FORCES
AIRFOILS
LEADING EDGES
LIFT
WING LOADING

LEADING EDGES
0101 0102 0202
GS EDGES
#LEADING EDGES
..BLUNT LEADING EDGES
..SHARP LEADING EDGES
RT AIRFOILS
FOREBODIES
LEADING EDGE THRUST
THRUST DISTRIBUTION
TRAILING EDGES
VORTEX FLAPS

LEAF AREA INDEX
0409
GS RATIOS
.INDEXES (RATIOS)
.#LEAF AREA INDEX
RT CANOPIES (VEGETATION)
CROP IDENTIFICATION
CROP INVENTORIES
LEAVES
REMOTE SENSING
SPECTRAL REFLECTANCE
VEGETATIVE INDEX

LEAKAGE
1502 1505 2405 3408
RT BRUSH SEALS
CAVITIES
CRACKS
DEFECTS
% ESCAPE
FLUID FLOW
INTRUSION
LABYRINTH SEALS
LOSS OF COOLANT
LOSSES
PERMEABILITY
PINHOLES
POROSITY
% REDUCTION
SEEPAGE
WASTES

LEAR JET AIRCRAFT
0204
GS COMMERCIAL AIRCRAFT
#LEAR JET AIRCRAFT
JET AIRCRAFT
#LEAR JET AIRCRAFT
RT % AIRCRAFT

LEARNING
0402 0408 0502
GS #LEARNING
.ASTRONAUT TRAINING
.CONDITIONING (LEARNING)
.HABITUATION (LEARNING)
.MAZE LEARNING
.TRANSFER OF TRAINING
RT ACHIEVEMENT
APTITUDE
BEHAVIOR

CHILD DEVICE
DECONDITIONING
EDUCATION
EDUCATIONAL TELEVISION
HABITS
INSTRUCTORS
KNOWLEDGE
MEMORY
MOTIVATION
REINFORCEMENT (PSYCHOLOGY)
RESPONSES
RETENTION (PSYCHOLOGY)
STUDENTS
TEACHING MACHINES
TEXTBOOKS
TRAINING ANALYSIS
TRAINING EVALUATION
UNIVERSITIES

LEARNING CURVES
0502 1902
RT ASYMPTOTIC METHODS
% CURVES

LEARNING MACHINES
USE MACHINE LEARNING

LEARNING THEORY
0402 0408 0502
RT CHILD DEVICE
EDUCATION
PROBLEM SOLVING
% THEORIES

LEASING
3406
GS PROCUREMENT
#LEASING
RT CONTRACTS
LAND USE
NASA PROGRAMS
RESOURCES MANAGEMENT
SITE SELECTION

LEAST SQUARES METHOD
1902 1905 3501
GS ANALYSIS (MATHEMATICS)
.NUMERICAL ANALYSIS
..APPROXIMATION
..#LEAST SQUARES METHOD
RT CORRELATION
CURVE FITTING
GAUSS-MARKOV THEOREM
MEAN SQUARE VALUES
% METHODOLOGY

OPTIMIZATION
PARAMETER IDENTIFICATION
QUALITY CONTROL
REGRESSION ANALYSIS
SIMULTANEOUS EQUATIONS

LEATHER
1805
RT CLOTHING
COLLAGENS
SHOES
SKIN (ANATOMY)

LEAVES
0409
RT BROWN WAVE EFFECT
CANOPIES (VEGETATION)
DECIDUOUS TREES
DEFOLIANTS
DEFOLIATION
FOLIAGE
GREEN WAVE EFFECT
HERBICIDES
LEAF AREA INDEX
PLANTS (BOTANY)

LEBANON
1305
GS NATIONS
#LEBANON
RT ASIA

LEBESGUE THEOREM
1902
GS ANALYSIS (MATHEMATICS)
.REAL VARIABLES
..MEASURE AND INTEGRATION
..#LEBESGUE THEOREM
THEOREMS
#LEBESGUE THEOREM
RT SET THEORY

LECTURES
0502 3405
UF SPEECHES
RT EDUCATION
PUBLIC SPEAKING
SPEECH
VERBAL COMMUNICATION

LED (DIODES)
USE LIGHT EMITTING DIODES

LEDGES
1504
RT CLIFFS
ROCKS
TOPOGRAPHY

LEE WAVES
0101 1202 1308 2003 2311 2502
RT AIR CURRENTS
BAROTROPIC FLOW
SURFACE WAVES
TROPOSPHERIC WAVES
VERTICAL AIR CURRENTS

LEG (ANATOMY)
0402 0404 0405 0506
GS ANATOMY
.LIMBS (ANATOMY)
.#LEG (ANATOMY)
...FEET (ANATOMY)
...KNEE (ANATOMY)
APPENDAGES
#LEG (ANATOMY)
..FEET (ANATOMY)
..KNEE (ANATOMY)
RT FEMUR
THIGH
TIBIA

LEGAL LIABILITY
3403
GS LAW (JURISPRUDENCE)
.PUBLIC LAW
..LIABILITIES
..#LEGAL LIABILITY
RT AIR LAW
CONTRACTS
INSURANCE (CONTRACTS)
INTERNATIONAL LAW
JUDGMENTS
LOSSES
PENALTIES
PROHIBITION

LEGENDRE CODE
USE COMPUTER PROGRAMMING
NEUTRON SCATTERING

LEGENDRE FUNCTIONS
1902
UF LEGENDRE POLYNOMIALS
LEGENDRE TRANSFORMATION
GS ANALYSIS (MATHEMATICS)
.COMPLEX VARIABLES
.#LEGENDRE FUNCTIONS
FUNCTIONS (MATHEMATICS)
#LEGENDRE FUNCTIONS

```
  RT   ORTHOGONAL FUNCTIONS
       SPHERICAL HARMONICS

LEGENDRE POLYNOMIALS
  USE  LEGENDRE FUNCTIONS

LEGENDRE TRANSFORMATION
  USE  LEGENDRE FUNCTIONS

LEGIBILITY
  0408 0506 1401 3405 3408
  RT   CHARACTER RECOGNITION
       CONTRAST
       PERCEPTION
       PRINTING
       READING
       RESOLUTION
       SYMBOLS
       VISIBILITY
       VISION

LEGUMINOUS PLANTS
  0404 0409
  GS   FARM CROPS
       #LEGUMINOUS PLANTS
       ..SOYBEANS
       PLANTS (BOTANY)
       #LEGUMINOUS PLANTS
       ..SOYBEANS
  RT   AGRICULTURE
       BOTANY
       EARTH RESOURCES
     % FOOD
       HAY
       NITROGENATION
       NODULES
       VEGETABLES

LEIDENFROST PHENOMENON
  1202 2303 2311
  GS   PHASE TRANSFORMATIONS
       .VAPORIZING
       ..BOILING
       ...NUCLEATE BOILING
       ...#LEIDENFROST PHENOMENON
  RT   FILM BOILING
       HEAT TRANSFER

LEM (LUNAR MODULE)
  USE  LUNAR MODULE

LEMMAS
  USE  THEOREMS

LENGTH
  3408
  GS   DIMENSIONS
       #LENGTH
       ..DIFFUSION LENGTH
  RT   DISTANCE
       THICKNESS

LENNARD-JONES GAS
  1202 1203 1503
  RT   BINARY FLUIDS
       GAS VISCOSITY
       LENNARD-JONES POTENTIAL

LENNARD-JONES POTENTIAL
  1203 3501
  RT   COMPUTERIZED SIMULATION
       INTERMOLECULAR FORCES
       LENNARD-JONES GAS
       MOLECULAR INTERACTIONS
       POTENTIAL THEORY

LENS ANTENNAS
  0701 0901 2402
  GS   ANTENNAS
       .DIRECTIONAL ANTENNAS
       .#LENS ANTENNAS
       .RADIO ANTENNAS
       ..MICROWAVE ANTENNAS
       ..#LENS ANTENNAS
       MICROWAVE EQUIPMENT
       .MICROWAVE ANTENNAS
       .#LENS ANTENNAS
       RADIO EQUIPMENT
       .RADIO ANTENNAS
       ..MICROWAVE ANTENNAS
       ..#LENS ANTENNAS
  RT   ANTENNA DESIGN
       DIPOLE ANTENNAS
       HORN ANTENNAS
       LENSES
       MULTIBEAM ANTENNAS
       RADAR ANTENNAS
       WAVEGUIDE ANTENNAS
       WIRE GRID LENSES

LENS DESIGN
  1404 1407 1412 2310 3009
  RT   ANTIREFLECTION COATINGS
       COMPUTER AIDED DESIGN
     % DESIGN
       GRADIENT INDEX OPTICS
       LENSES
       OPTICAL CORRECTION PROCEDURE
     % OPTICS
       PRODUCT DEVELOPMENT
       STIGMATISM
       ZOOM LENSES

LENSES
  1404 1412 1504 2306 2307 2310 2501
  GS   #LENSES
       .CONTACT LENSES
       .FRESNEL LENSES
       .GRAVITATIONAL LENSES
       .MAGNETIC LENSES
       .WIDE ANGLE LENSES
       .WIRE GRID LENSES
       .ZOOM LENSES
  RT   ASTIGMATISM
       CAMERAS
       CATARACTS
       CIRCUMSOLAR TELESCOPES
       EYE (ANATOMY)
       EYEPIECES
       FOCUSING
       GRADIENT INDEX OPTICS
       INTEGRATED OPTICS
       LENS ANTENNAS
       LENS DESIGN
       MAGNIFICATION
       OPTICAL EQUIPMENT
       OPTICAL FILTERS
       OPTICAL MATERIALS
     % OPTICS
       PANORAMIC CAMERAS
       PHOTOGRAPHIC EQUIPMENT
       REFRACTING TELESCOPES
       REFRACTION
       RETICLES
       STIGMATISM
       STREAK CAMERAS
       TELESCOPES
       VIGNETTING

LENTICULAR BODIES
  0103 1902 2310 3203
  GS   SYMMETRICAL BODIES
       #LENTICULAR BODIES
  RT   AXISYMMETRIC BODIES
     % BODIES
       CONVEXITY

LEO ENVIRONMENTS
  USE  EARTH ORBITAL ENVIRONMENTS

LEONID METEOROIDS
  3005
  GS   CELESTIAL BODIES
       .METEOROID SHOWERS
       .#LEONID METEOROIDS
```

```
      .METEOROIDS
      .#LEONID METEOROIDS

LEPTONS
  2403 2405
  GS   PARTICLES
       .ELEMENTARY PARTICLES
       ..FERMIONS
       ..#LEPTONS
       ....ANTINEUTRINOS
       ....MUONS
       ....NEUTRINOS
       .....SOLAR NEUTRINOS
  RT   CHARGED PARTICLES
       CHARM (PARTICLE PHYSICS)
       GLUONS
       MESONS
       PARTONS
       QUANTUM CHROMODYNAMICS
       QUARK PARTON MODEL

LES (ESCAPE SYSTEMS)
  USE  LAUNCH ESCAPE SYSTEMS

LES (SATELLITES)
  USE  LINCOLN EXPERIMENTAL SATELLITES

LESA (LUNAR EXPLORATION SYSTEM)
  USE  LUNAR EXPLORATION SYSTEM FOR APOLLO

LESIONS
  0405
  GS   INJURIES
       #LESIONS
       ..PULMONARY LESIONS
  RT   ABRASION
       BURNS (INJURIES)

LESOTHO
  1305
  GS   NATIONS
       #LESOTHO
  RT   AFRICA
       REPUBLIC OF SOUTH AFRICA

LESSER ANTILLES
  1305
  GS   LANDFORMS
       .ISLANDS
       ..WEST INDIES
       ..#LESSER ANTILLES
  RT   ATLANTIC OCEAN

LETHALITY
  0405 0412 3408
  RT   CARBON MONOXIDE POISONING
       DAMAGE
       DESTRUCTION

LETHARGY
  0408 0410
  RT   BOREDOM
     % DEPRESSION
       DETACHMENT
       FRUSTRATION
       HUMAN BEHAVIOR
     % INHIBITION
       MONOTONY

LETTERS (SYMBOLS)
  USE  SYMBOLS

LEUCINE
  0402 0403 1808
  GS   ACIDS
       .AMINO ACIDS
       .#LEUCINE
       ...NORLEUCINE
       ORGANIC COMPOUNDS
       .AMINO ACIDS
       .#LEUCINE
       ...NORLEUCINE

LEUKEMIAS
  0405 0406 0408
  GS   DISEASES
       .TUMORS
       ..NEOPLASMS
       ...CANCER
       ...#LEUKEMIAS
  RT   BONE MARROW
       OCCUPATIONAL DISEASES

LEUKOCYTES
  0405 0406 0408
  UF   WHITE BLOOD CELLS
  GS   CELLS (BIOLOGY)
       .BLOOD CELLS
       .#LEUKOCYTES
       ...EOSINOPHILS
       ...LYMPHOCYTES
  RT   BIOCOMPATIBILITY
       BONE MARROW
       ERYTHROCYTES
       IMMUNE SYSTEMS

LEUKOPENIA
  0404 0405 0408
  GS   SIGNS AND SYMPTOMS
       #LEUKOPENIA
  RT   INFECTIOUS DISEASES

% LEVEL
  0704 1202 2103
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   CHEMICAL ENERGY
       FREE ENERGY
       HEIGHT
       INTERNAL ENERGY
       LEVEL (HORIZONTAL)
       LEVEL (QUANTITY)

LEVEL (HORIZONTAL)
  1504 3408
  GS  #LEVEL (HORIZONTAL)
       .LIQUID LEVELS
  RT % GRADE
       GRADIENTS
     % LEVEL
       SLOPES

LEVEL (QUANTITY)
  1504 3408
  GS  #LEVEL (QUANTITY)
       .EFFECTIVE PERCEIVED NOISE LEVELS
       .ENERGY LEVELS
       ..ATOMIC ENERGY LEVELS
       ..ELECTRON STATES
       ..GROUND STATE
       ..MOLECULAR ENERGY LEVELS
       ...INTERMOLECULAR FORCES
       ...ROTATIONAL STATES
       ...VIBRATIONAL STATES
  RT   AMPLITUDES
       DISPLACEMENT
     % FLUX
       FLUX (RATE)
       FLUX DENSITY
     % INTENSITY
     % LEVEL
       LOUDNESS
       MAGNITUDE
       VALUE

LEVELING
  1504 3407
  SN   (EXCLUDES METAL WORKING)
  RT   ADJUSTING
       CONSISTENCY
       DATUM (ELEVATION)
       FLATTENING
       METAL WORKING
     % ROLLING
```

SMOOTHING
WINDING

LEVERS
0506 1504 3404
RT CANTILEVER MEMBERS
HANDLES
KNOBS
% MACHINERY
MANUAL CONTROL
MECHANICAL DEVICES
PEDALS

LEVITATION
1202 2311 3407 3408
GS #LEVITATION
.ACOUSTIC LEVITATION
RT BUOYANCY
ELECTROSTATIC GYROSCOPES
FLOTATION
FRICTIONLESS ENVIRONMENTS
LEVITATION MELTING
MAGNETIC BEARINGS
MAGNETIC LEVITATION VEHICLES
SUSPENSION SYSTEMS (VEHICLES)
VACUUM MELTING

LEVITATION MELTING
1704
GS PHASE TRANSFORMATIONS
.MELTING
.#LEVITATION MELTING
RT ELECTRIC CURRENT
EXTERNAL SURFACE CURRENTS
LEVITATION
LIQUID METALS
LOW GRAVITY MANUFACTURING
MAGNETIC SUSPENSION
% METALLURGY
OHMIC DISSIPATION
RESISTANCE HEATING
SPACE MANUFACTURING
SPACE PROCESSING

LEWIS BASE
0603
RT AMINES
ELECTRONS

LEWIS NUMBERS
1202 1902
GS RATIOS
.DIMENSIONLESS NUMBERS
.#LEWIS NUMBERS
RT DENSITY (MASS/VOLUME)
DIFFUSION COEFFICIENT
FLUID FLOW
HEAT TRANSFER
MASS FLOW
MASS TRANSFER
SPECIFIC HEAT
THERMAL CONDUCTIVITY

LEXAN (TRADEMARK)
1808
GS CARBON COMPOUNDS
.CARBONATES
..POLYCARBONATES
..#LEXAN (TRADEMARK)
ESTERS
.POLYCARBONATES
.#LEXAN (TRADEMARK)
RT % POLYMERS
RESINS

LFO
USE LANDSAT FOLLOW-ON MISSIONS

LIABILITIES
3403
GS LAW (JURISPRUDENCE)
.PUBLIC LAW
.#LIABILITIES
...LEGAL LIABILITY
RT AIR LAW
COMMERCE
DISCIPLINING
LOSSES
PENALTIES
REGULATIONS

LIAPUNOV FUNCTIONS
1902
UF LYAPUNOV FUNCTIONS
GS ANALYSIS (MATHEMATICS)
.REAL VARIABLES
.#LIAPUNOV FUNCTIONS
FUNCTIONS (MATHEMATICS)
#LIAPUNOV FUNCTIONS
RT DIFFERENTIAL EQUATIONS

LIBERIA
1305
GS NATIONS
#LIBERIA
RT AFRICA

LIBRARIES
3405
RT BIBLIOGRAPHIES
CATALOGS (PUBLICATIONS)
DATA RETRIEVAL
DOCUMENTATION
DOCUMENTS
INFORMATION DISSEMINATION
INFORMATION RETRIEVAL
INFORMATION SYSTEMS
INTEGRATED LIBRARY SYSTEMS
INTERSERVICE DATA EXCHANGE PROGRAM
LITERATURE
MUSEUMS
% REFERENCE SYSTEMS
SELECTIVE DISSEMINATION OF INFORMATION
TEXTBOOKS
WORLD DATA CENTERS

LIBRATION
2308 2404 3001
RT EARTH LIMB
LISSAJOUS FIGURES
LUNAR FAR SIDE
LUNAR LIMB
% MOTION
NUTATION
ORBITAL RESONANCES (CELESTIAL MECHANICS)
PRECESSION
ROTATION

LIBRATIONAL MOTION
2308 3009
RT LAGRANGE COORDINATES
% MOTION
NUTATION
ORBITAL RESONANCES (CELESTIAL MECHANICS)

LIBYA
1305
UF LYBIA
GS NATIONS
#LIBYA
RT AFRICA

LIBYAN DESERT
1305
GS LAND
.DESERTS
.#LIBYAN DESERT
RT AFRICA

LICENSING
3403 3404 3405
RT COPYRIGHTS

```
        PATENT APPLICATIONS
        POLICIES
        REGULATIONS

LICHENS
  0403 0409
  GS    PLANTS (BOTANY)
        #LICHENS
  RT    ALGAE
        FUNGI
        LACUNAS
        SYMBIOSIS

LIDAR
  USE   OPTICAL RADAR

LIE GROUPS
  1902
  GS    ALGEBRA
        #LIE GROUPS
        ..SPINOR GROUPS
        GEOMETRY
        .DIFFERENTIAL GEOMETRY
        .#LIE GROUPS
        ...SPINOR GROUPS
  RT    GROUP THEORY
        SUPERGRAVITY
        SUPERSYMMETRY

LIECHTENSTEIN
  1305
  GS    NATIONS
        #LIECHTENSTEIN
  RT    EUROPE

LIENARD POTENTIAL
  1902
  GS    POTENTIAL ENERGY
        .ELECTRIC POTENTIAL
        .#LIENARD POTENTIAL
  RT    ELECTRIC CURRENT
        ELECTRIC FIELDS

LIES
  0408 0410
  RT    GALVANIC SKIN RESPONSE
        MENTAL PERFORMANCE

LIF (FLUORESCENCE)
  USE   LASER INDUCED FLUORESCENCE

LIFE (BIOLOGY)
  USE   LIFE SCIENCES

LIFE (DURABILITY)
  3408 2404 3404
  UF    LIFETIME (DURABILITY)
  GS   #LIFE (DURABILITY)
        .CARRIER LIFETIME
        .FATIGUE LIFE
        .HALF LIFE
        .PLASMA LIFETIME
        .SATELLITE LIFETIME
        .SERVICE LIFE
        .STORAGE STABILITY
  RT    ACCELERATED LIFE TESTS
        AIRCRAFT SURVIVABILITY
        DEPLETION
        DEPRECIATION
        DURABILITY
        FAILURE ANALYSIS
        LONG TERM EFFECTS
      % LONGEVITY
        MILLS RATIO
        MTBF
      % RESISTANCE
        RETIREMENT FOR CAUSE
        VULNERABILITY

LIFE CYCLE COSTS
  3401 4001
  GS    COSTS
        #LIFE CYCLE COSTS
  RT    COST ANALYSIS
        COST EFFECTIVENESS
        DESIGN TO COST
        FINANCIAL MANAGEMENT
        MANAGEMENT PLANNING
        PRODUCTION COSTS
        SYSTEMS ENGINEERING
        VALUE ENGINEERING

LIFE DETECTORS
  0501 0708 1411 3004 3007
  RT    BIOSATELLITES
      % DETECTORS
        EXTRATERRESTRIAL LIFE

LIFE RAFTS
  0203 0508
  GS    RAFTS
        #LIFE RAFTS
  RT    FLOATS
        INFLATABLE STRUCTURES
        LIFEBOATS

LIFE SCIENCES
  0401 0404 0405 0410 3402
  UF    LIFE (BIOLOGY)
  GS   #LIFE SCIENCES
        .EXTRATERRESTRIAL LIFE
        .MOLECULAR BIOLOGY
  RT    ABIOGENESIS
        AGING (BIOLOGY)
        BIOLOGICAL EVOLUTION
      % BIOLOGY
        CHEMICAL EVOLUTION
        ENVIRONMENTAL ENGINEERING
        NEUROLOGY
      % PHYSICAL SCIENCES
        PSYCHOPHARMACOLOGY
      % SCIENCE

LIFE SPAN
  0405 0408 0411 0507
  SN    (LIMITED TO THE LIFE SCIENCES)
  RT    AGE FACTOR
        AGING (BIOLOGY)
        DEATH
        EXISTENCE
        GERONTOLOGY
      % LONGEVITY
        MORTALITY
      % SPAN

LIFE SUPPORT SYSTEMS
  0504 0505 0507
  GS    SUPPORT SYSTEMS
        #LIFE SUPPORT SYSTEMS
        ..BIOPAKS
        ..CLOSED ECOLOGICAL SYSTEMS
        ..EMERGENCY LIFE SUSTAINING SYSTEMS
        ...AEPS
        ..PORTABLE LIFE SUPPORT SYSTEMS
        ...AEPS
        ...IMLSS
  RT    AEROSPACE ENVIRONMENTS
        AIR CONDITIONING
        ARTIFICIAL GRAVITY
        ASTRONAUT LOCOMOTION
      % ATMOSPHERES
        BIOSATELLITES
        BREATHING APPARATUS
        CHLORELLA
        ENVIRONMENTAL ENGINEERING
        ENVIRONMENTS
        EXOBIOLOGY
        EXTRAVEHICULAR MOBILITY UNITS
        HUMAN FACTORS ENGINEERING
        LONG TERM EFFECTS
        LUNAR ENVIRONMENT
        LUNAR LOGISTICS
        LUNAR SHELTERS
        MANNED MANEUVERING UNITS
      % NUTRIENTS
```

ONBOARD EQUIPMENT
OXYGEN MASKS
OXYGEN SUPPLY EQUIPMENT
PLANETARY ENVIRONMENTS
PRESSURE SUITS
PRESSURIZED CABINS
PROVISIONING
REBREATHING
SPACE FLIGHT FEEDING
SPACE HABITATS
SPACECRAFT ENVIRONMENTS
SURVIVAL
% SUSTAINING
% SYSTEMS
THERMAL ENVIRONMENTS
UNDERWATER BREATHING APPARATUS
VAPOR BARRIER CLOTHING
VENTILATION
WATER
WEIGHTLESSNESS

LIFEBOATS
0502 0508
GS SURFACE VEHICLES
.BOATS
.#LIFEBOATS
WATER VEHICLES
.BOATS
.#LIFEBOATS
RT LIFE RAFTS
RAFTS
SURVIVAL EQUIPMENT

LIFETIME (DURABILITY)
USE LIFE (DURABILITY)

LIFT
0101 0102 0103 3102 3103
UF AERODYNAMIC LIFT
LIFT COEFFICIENTS
LIFT DISTRIBUTION
LIFT FORCES
VARIABLE LIFT
GS AERODYNAMIC CHARACTERISTICS
#LIFT
..INTERFERENCE LIFT
..JET LIFT
..ROTOR LIFT
..ZERO LIFT
AERODYNAMIC FORCES
#LIFT
..INTERFERENCE LIFT
..JET LIFT
..ROTOR LIFT
..ZERO LIFT
DYNAMIC CHARACTERISTICS
#LIFT
..INTERFERENCE LIFT
..JET LIFT
..ROTOR LIFT
..ZERO LIFT
RT AERODYNAMIC COEFFICIENTS
AERODYNAMIC CONFIGURATIONS
AERODYNAMIC DRAG
AERODYNAMICS
AIRFOILS
ANGLE OF ATTACK
ASPECT RATIO
CAMBER
DISTRIBUTION (PROPERTY)
DRAG
EXTERNALLY BLOWN FLAPS
GLIDING
GROUND EFFECT (AERODYNAMICS)
HYPERSONIC FORCES
LEADING EDGE THRUST
PRESSURE DISTRIBUTION
SWEEP EFFECT
UNDER SURFACE BLOWING
UPPER SURFACE BLOWING

LIFT AUGMENTATION
0102 0103 2802
RT BOUNDARY LAYER CONTROL
CIRCULATION CONTROL AIRFOILS
DOWNWASH
PERIPHERAL JET FLOW
SPANWISE BLOWING
STOVL AIRCRAFT
UPPER SURFACE BLOWN FLAPS
VORTEX FLAPS

LIFT COEFFICIENTS
USE AERODYNAMIC COEFFICIENTS
LIFT

LIFT DEVICES
0101 0102 0103
UF LIFTING SURFACES
RT BOUNDARY LAYER CONTROL
% DEVICES
DIRECT LIFT CONTROLS
DRAG DEVICES
EXTERNALLY BLOWN FLAPS
FLAPS (CONTROL SURFACES)
MAGNETIC LEVITATION VEHICLES
SLOTS
UPPER SURFACE BLOWN FLAPS

LIFT DISTRIBUTION
USE FORCE DISTRIBUTION
LIFT

LIFT DRAG RATIO
0101 0201 1202 1203
UF DRAG BALANCE
GS RATIOS
#LIFT DRAG RATIO
RT AERODYNAMIC BALANCE
AERODYNAMIC COEFFICIENTS
AERODYNAMIC DRAG
AERODYNAMIC STALLING
BOUNDARY LAYER SEPARATION
DRAG REDUCTION
FORCE DISTRIBUTION
PRESSURE RATIO

LIFT FANS
0103 0104 0209 2808
UF FANLIFT DEVICES
RT DUCTED FANS
FAN IN WING AIRCRAFT
LIFTING ROTORS
PROPELLER FANS
ROTARY WINGS
SHORT TAKEOFF AIRCRAFT
TURBOFANS
VERTICAL TAKEOFF AIRCRAFT
XV-11A AIRCRAFT

LIFT FORCES
USE LIFT

LIFTING BODIES
0103 0104
UF LIFTING SURFACES
GS #LIFTING BODIES
.LIFTING REENTRY VEHICLES
..FDL-5 REENTRY VEHICLE
..HL-10 REENTRY VEHICLE
..HLD-35 REENTRY VEHICLE
..JANUS SPACECRAFT
..M-2 LIFTING BODY
...M-2F2 LIFTING BODY
..X-20 AIRCRAFT
..X-24 AIRCRAFT
.M-2F3 LIFTING BODY
RT AERODYNAMIC CONFIGURATIONS
AIRFOILS
BLUFF BODIES
% BODIES
% DEVICES
LUNAR FLYING VEHICLES
REENTRY VEHICLES
TOWED BODIES

WAVERIDERS

LIFTING REENTRY VEHICLES
0101 0104 3105 3501
UF REENTRY GLIDERS
SPACE GLIDERS
GS LIFTING BODIES
#LIFTING REENTRY VEHICLES
..FDL-5 REENTRY VEHICLE
..HL-10 REENTRY VEHICLE
..HLD-35 REENTRY VEHICLE
..JANUS SPACECRAFT
..M-2 LIFTING BODY
...M-2F2 LIFTING BODY
..X-20 AIRCRAFT
..X-24 AIRCRAFT
REENTRY VEHICLES
.MANEUVERABLE REENTRY BODIES
.#LIFTING REENTRY VEHICLES
...FDL-5 REENTRY VEHICLE
...HL-10 REENTRY VEHICLE
...HLD-35 REENTRY VEHICLE
...JANUS SPACECRAFT
...M-2 LIFTING BODY
....M-2F2 LIFTING BODY
...X-20 AIRCRAFT
...X-24 AIRCRAFT
RT AEROSPACE PLANES
% AIRCRAFT
ASSET GLIDERS
ASTRO VEHICLE
BOOSTGLIDE VEHICLES
GLIDERS
HYPERSONIC GLIDERS
MANNED REENTRY
MANNED SPACECRAFT
RECOVERABLE SPACECRAFT
REENTRY
SPACECRAFT REENTRY

LIFTING ROTORS
0103 0104
GS AIRFOILS
.WINGS
..ROTARY WINGS
..#LIFTING ROTORS
....BEARINGLESS ROTORS
ROTATING BODIES
.ROTORS
..ROTARY WINGS
..#LIFTING ROTORS
....BEARINGLESS ROTORS
RT GROUND EFFECT MACHINES
LIFT FANS
ROTARY WING AIRCRAFT
SHORT TAKEOFF AIRCRAFT
VERTICAL TAKEOFF AIRCRAFT

LIFTING SURFACES
USE LIFT DEVICES
LIFTING BODIES
SURFACES

LIFTOFF (LAUNCHING)
1104 3102 3103
GS LAUNCHING
.ROCKET LAUNCHING
.#LIFTOFF (LAUNCHING)
.SPACECRAFT LAUNCHING
.#LIFTOFF (LAUNCHING)
RT BOOSTER ROCKET ENGINES
COUNTDOWN
LAUNCHING PADS
ROCKET FIRING
ROCKET THRUST

% LIFTS
1504
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT CONVEYORS
CRANES
ELEVATORS (LIFTS)
ESCALATORS
JACKS (LIFTS)
WINCHES

LIGAMENTS
0404 0405
RT CONNECTIVE TISSUE
JOINTS (ANATOMY)

LIGANDS
0404 0405
RT CHEMICAL BONDS
CHEMICAL COMPOSITION

LIGHT (VISIBLE RADIATION)
2306 2402 2903
UF OPTICAL SPECTRUM
VISIBLE RADIATION
GS ELECTROMAGNETIC RADIATION
#LIGHT (VISIBLE RADIATION)
..COHERENT LIGHT
..GEGENSCHEIN
..POLARIZED LIGHT
..SKY RADIATION
...AIRGLOW
....GEOCORONAL EMISSIONS
....NIGHTGLOW
....TWILIGHT GLOW
...DAYGLOW
..SUNLIGHT
..ZODIACAL LIGHT
RT ATMOSPHERIC RADIATION
ATTENUATION
BEAMS (RADIATION)
BLACK BODY RADIATION
BRIGHTNESS
CERENKOV RADIATION
COHERENT ELECTROMAGNETIC RADIATION
COHERENT RADIATION
COLOR
CRITICAL FREQUENCIES
DARKNESS
DICHROISM
ELECTROMAGNETIC SPECTRA
ENERGY ABSORPTION
EXCITONS
EXTRATERRESTRIAL RADIATION
% FLASH
GEOMETRICAL OPTICS
GLARE
ILLUMINANCE
INCANDESCENCE
INFRARED RADIATION
LIGHT CURVE
LIGHTING EQUIPMENT
LINE SPECTRA
LUMENS
LUMINAIRES
LUMINANCE
LUMINESCENCE
LUMINOSITY
LUMINOUS INTENSITY
MONOCHROMATIC RADIATION
NEAR INFRARED RADIATION
NEAR ULTRAVIOLET RADIATION
OPACITY
OPTICAL DEPOLARIZATION
OPTICAL EMISSION SPECTROSCOPY
OPTICAL MEASUREMENT
OPTICAL PROPERTIES
% OPTICS
PHOTICS
PHOTOMETRY
PHOTONS
PHOTONUCLEAR REACTIONS
PHOTOPHILIC PLANTS
PHOTOPHORESIS
PHOTOSENSITIVITY
PLANETARY RADIATION
POLARIZED ELECTROMAGNETIC RADIATION
POLARIZERS

```
     % RADIATION
       RAMAN SPECTRA
       REFLECTION
       REFRACTION
       REFRACTIVITY
       SHADOWS
       SKY BRIGHTNESS
       SOLAR RADIATION
       THERMAL RADIATION
       TRANSMITTANCE
       ULTRAVIOLET SPECTRA
       VISIBILITY
       VISIBLE SPECTRUM

LIGHT ABSORPTION
  USE  ELECTROMAGNETIC ABSORPTION

LIGHT ADAPTATION
  0404 0405 0502 0506 2306 2310
  GS   ADAPTATION
       .RETINAL ADAPTATION
       .#LIGHT ADAPTATION
       SENSITIVITY
       .PHOTOSENSITIVITY
       .#LIGHT ADAPTATION
  RT   FLASH BLINDNESS
       NIGHT VISION
       PUPILLOMETRY
       THRESHOLDS (PERCEPTION)
       VISION

LIGHT AIRBORNE MULTIPURPOSE SYSTEM
  1402 2102 2103 2104
  UF   LAMPS PROGRAM
  GS   NAVIGATION AIDS
       #LIGHT AIRBORNE MULTIPURPOSE SYSTEM
       ONBOARD EQUIPMENT
       .AIRBORNE EQUIPMENT
       .#LIGHT AIRBORNE MULTIPURPOSE
         SYSTEM
  RT   AIRCRAFT EQUIPMENT
       FLIGHT INSTRUMENTS
       NAVIGATION INSTRUMENTS
     % SYSTEMS

LIGHT AIRCRAFT
  0204 0207
  GS  #LIGHT AIRCRAFT
       .BEECH 99 AIRCRAFT
       ..BEECHCRAFT 18 AIRCRAFT
       ..C-33 AIRCRAFT
       ..C-35 AIRCRAFT
       .CESSNA L-19 AIRCRAFT
       .CESSNA 172 AIRCRAFT
       .CESSNA 205 AIRCRAFT
       .CESSNA 210 AIRCRAFT
       .CESSNA 402B AIRCRAFT
       .DH 125 AIRCRAFT
       .DO-27 AIRCRAFT
       .DO-28 AIRCRAFT
       .F-28 HELICOPTER
       .FIREBEE 2 TARGET DRONE AIRCRAFT
       .G-1 AIRCRAFT
       .G-91 AIRCRAFT
       .LIGHT HELICOPTERS
       ..OH-4 HELICOPTER
       ..OH-5 HELICOPTER
       ..OH-6 HELICOPTER
       ..OH-58 HELICOPTER
       .LIGHT INTRATHEATER TRANSPORT
       .MH-262 AIRCRAFT
       .MYSTERE 20 AIRCRAFT
       .OH-13 HELICOPTER
       .OH-23 HELICOPTER
       .P-166 AIRCRAFT
       .PD-808 AIRCRAFT
       .PIPER AIRCRAFT
       ..PA-34 SENECA AIRCRAFT
       .SAAB 105 AIRCRAFT
       .SC-7 AIRCRAFT
       .U-10 AIRCRAFT
       .VZ-8 AIRCRAFT
       .YAK 40 AIRCRAFT
  RT   AGRICULTURAL AIRCRAFT
     % AIRCRAFT
       BIPLANES
       DRONE AIRCRAFT
       GENERAL AVIATION AIRCRAFT
     % LOW WING AIRCRAFT
     % MILITARY AIRCRAFT
       MYSTERE 50 AIRCRAFT
       OBSERVATION AIRCRAFT
       PASSENGER AIRCRAFT
       PILOTLESS AIRCRAFT
       RECONNAISSANCE AIRCRAFT
       SUBMERSIBLE AIRCRAFT
     % SUBSONIC AIRCRAFT
       TERRAIN FOLLOWING AIRCRAFT
       TRAINING AIRCRAFT
       TRANSPORT AIRCRAFT
       ULTRALIGHT AIRCRAFT
       UTILITY AIRCRAFT
       WATER TAKEOFF AND LANDING AIRCRAFT

LIGHT ALLOYS
  0603 1701
  GS   ALLOYS
       #LIGHT ALLOYS
       ..ALUMINUM ALLOYS
       ...ALUMINUM-LITHIUM ALLOYS
       ..BERYLLIUM ALLOYS
       ..MAGNESIUM ALLOYS
  RT % METALLURGY
       METALS

LIGHT AMPLIFIERS
  1601 2306
  UF   OPTICAL AMPLIFIERS
  GS   AMPLIFIERS
       #LIGHT AMPLIFIERS
  RT   FOUR-WAVE MIXING
       HCN LASERS
       IMAGE CONVERTERS
       IMAGE ENHANCEMENT
       IMAGE INTENSIFIERS
       LALLEMAND CAMERAS
       LASER CAVITIES
       LASER MICROSCOPY
       LASERS
       MICROCHANNELS
     % OPTICS
       PHOTOCATHODES
       QUANTUM AMPLIFIERS
       ULTRASHORT PULSED LASERS
       ULTRAVIOLET LASERS

LIGHT ARMED RECONNAISSANCE AIRCRAFT
  USE  COIN AIRCRAFT

LIGHT BEAMS
  2306 2402
  UF   LIGHT PROBES
  GS   BEAMS (RADIATION)
       #LIGHT BEAMS
       ..LASER BEAMS
       ELECTROMAGNETIC RADIATION
       #LIGHT BEAMS
       ..LASER BEAMS
  RT   BRAGG CELLS
       FOUR-WAVE MIXING
       OPTICAL WAVEGUIDES
       PHOTON BEAMS
       RARE GAS-HALIDE LASERS

LIGHT BULBS
  USE  LUMINAIRES

LIGHT COMMUNICATION
  USE  OPTICAL COMMUNICATION

LIGHT CURVE
  2903 3001
  RT % CURVES
       LIGHT (VISIBLE RADIATION)
       STELLAR RADIATION
```

```
LIGHT DURATION
  USE  FLASH
       PULSE DURATION

LIGHT ELEMENTS
  0411 0603
  GS   CHEMICAL ELEMENTS
       #LIGHT ELEMENTS
  RT % ELEMENTS
       LOW DENSITY MATERIALS

LIGHT EMISSION
  1411 1601 2306 2405 2903
  UF   OPTICAL EMISSION
  GS   EMISSION
       #LIGHT EMISSION
       ..INCANDESCENCE
       ..LUMINESCENCE
       ...BIOLUMINESCENCE
       ...CATHODE GLOW
       ...CATHODOLUMINESCENCE
       ...CHEMILUMINESCENCE
       ...ELECTROLUMINESCENCE
       ...FLUORESCENCE
       ....LASER INDUCED FLUORESCENCE
       ....PHOSPHORESCENCE
       ....RESONANCE FLUORESCENCE
       ....X RAY FLUORESCENCE
       ...LUNAR LUMINESCENCE
       ...OPTICAL RESONANCE
       ...PHOTOLUMINESCENCE
       ....TRIBOLUMINESCENCE
       ....X RAY FLUORESCENCE
       ...SHOCK WAVE LUMINESCENCE
       ...SONOLUMINESCENCE
       ...SPACECRAFT GLOW
       ...THERMOLUMINESCENCE
  RT   AIRGLOW
       AURORAL ABSORPTION
       AURORAL IONIZATION
       AURORAL SPECTROSCOPY
       AURORAS
       DIFFRACTION RADIATION
       DIMMING
       ELECTROMAGNETIC RADIATION
       LINEAR POLARIZATION
     % OPTICS
       SELF SUSTAINED EMISSION
       SKY BRIGHTNESS
       SPECTRAL EMISSION
       STIMULATED EMISSION
       WHITE HOLES (ASTRONOMY)

LIGHT EMITTING DIODES
  0903 1411 1601
  UF   LED (DIODES)
  GS   ELECTRONIC EQUIPMENT
       .DIODES
       ..SEMICONDUCTOR DIODES
       ..#LIGHT EMITTING DIODES
       .SOLID STATE DEVICES
       ..SEMICONDUCTOR DEVICES
       ..#LIGHT EMITTING DIODES
  RT   AIRCRAFT INSTRUMENTS
       ALPHANUMERIC CHARACTERS
       DISPLAY DEVICES
       ELECTROLUMINESCENCE
       LUMINESCENCE
       PHOTONICS
       SURFACE EMITTING LASERS

LIGHT GAS GUNS
  1203 3103 3501
  GS   GAS GUNS
       #LIGHT GAS GUNS
  RT   HYPERVELOCITY PROJECTILES

LIGHT HELICOPTERS
  0206
  GS   LIGHT AIRCRAFT
       #LIGHT HELICOPTERS
       ..OH-4 HELICOPTER
       ..OH-5 HELICOPTER
       ..OH-6 HELICOPTER
       ..OH-58 HELICOPTER
       V/STOL AIRCRAFT
       .ROTARY WING AIRCRAFT
       ..HELICOPTERS
       ..#LIGHT HELICOPTERS
       ....OH-4 HELICOPTER
       ....OH-5 HELICOPTER
       ....OH-6 HELICOPTER
       ....OH-58 HELICOPTER
  RT % AIRCRAFT
       MILITARY HELICOPTERS
       OBSERVATION AIRCRAFT

LIGHT INTENSITY
  USE  LUMINOUS INTENSITY

LIGHT INTRATHEATER TRANSPORT
  0207
  GS   LIGHT AIRCRAFT
       #LIGHT INTRATHEATER TRANSPORT
       TRANSPORT AIRCRAFT
       #LIGHT INTRATHEATER TRANSPORT
  RT % AIRCRAFT
       COIN AIRCRAFT

LIGHT IONS
  1703
  GS   IONS
       #LIGHT IONS
  RT   CHEMICAL ELEMENTS
       HEAVY IONS
       PLASMAS (PHYSICS)

LIGHT MODULATION
  1601 2310 2402
  UF   OPTICAL MASER MODULATION
       OPTICAL MODULATION
  GS   MODULATION
       #LIGHT MODULATION
       ..MIROS SYSTEM
       ..ULTRASONIC LIGHT MODULATION
  RT   AMPLITUDE MODULATION
       BRAGG CELLS
       ELECTRO-OPTICAL EFFECT
       FREQUENCY MODULATION
       KERR ELECTROOPTICAL EFFECT
       LASERS
       LIGHT VALVES
       MODULATORS
       OPTICAL HETERODYNING
       OPTICAL RESONATORS
       OPTICAL SWITCHING
     % OPTICS
       PULSE MODULATION
       TRAVELING WAVE MODULATION
       TUNABLE LASERS

LIGHT PRESSURE
  USE  ILLUMINANCE

LIGHT PROBES
  USE  LIGHT BEAMS

LIGHT SCATTERING
  2306 2310 2402
  GS   SCATTERING
       .WAVE SCATTERING
       ..ELECTROMAGNETIC SCATTERING
       ..#LIGHT SCATTERING
       ....HALOS
       TRANSMISSION
       .ELECTROMAGNETIC WAVE TRANSMISSION
       ..LIGHT TRANSMISSION
       ..#LIGHT SCATTERING
       ....HALOS
       .WAVE PROPAGATION
       .#LIGHT SCATTERING
       ...HALOS
  RT   AFTERGLOWS
       ATMOSPHERIC SCATTERING
```

BIDIRECTIONAL REFLECTANCE
BRILLOUIN EFFECT
CIRCUMSOLAR RADIATION
DIFFUSE RADIATION
ELECTROMAGNETIC ABSORPTION
FORWARD SCATTERING
GRAVITATIONAL LENSES
INFRARED ABSORPTION
RAYLEIGH SCATTERING
REFLECTION NEBULAE
SCATTER PLATES (OPTICS)
SPECKLE PATTERNS
TRANSMISSIVITY
TROPOSPHERIC SCATTERING
UMKEHR EFFECT

LIGHT SCATTERING METERS
1406 2306 3501
GS MEASURING INSTRUMENTS
.OPTICAL MEASURING INSTRUMENTS
.#LIGHT SCATTERING METERS
OPTICAL EQUIPMENT
.OPTICAL MEASURING INSTRUMENTS
.#LIGHT SCATTERING METERS
RT METEOROLOGICAL INSTRUMENTS

LIGHT SOURCES
0904 2311
GS #LIGHT SOURCES
.ILLUMINATORS
RT ARC LAMPS
CATHODOLUMINESCENCE
DAYGLOW
DUOCHROMATORS
ELECTRIC ARCS
ELECTROLUMINESCENCE
FLASH LAMPS
GLOW DISCHARGES
HCN LASERS
HEAT SOURCES
ILLUMINATING
LASERS
LIGHTING EQUIPMENT
LUMINAIRES
MERCURY LAMPS
MONOCHROMATORS
MOON
PLASMA DISPLAY DEVICES
POINT SOURCES
RADIATION SOURCES
SUN

LIGHT SPEED
0710 2306 2311 2903
GS RATES (PER TIME)
#LIGHT SPEED
VELOCITY
#LIGHT SPEED
RT HIGH SPEED
RELATIVISTIC VELOCITY
SCHWARZSCHILD METRIC

LIGHT TRANSMISSION
0710 1601 2306 2310 2402
UF OPTICAL ABSORPTION
GS TRANSMISSION
.ELECTROMAGNETIC WAVE TRANSMISSION
.#LIGHT TRANSMISSION
...LIGHT SCATTERING
....HALOS
RT ABSORPTANCE
ATMOSPHERIC OPTICS
ATMOSPHERIC REFRACTION
FERMAT PRINCIPLE
FIBER OPTICS
FLICKER
GAMMA RAY LASERS
GEOMETRICAL OPTICS
HAZE
ILLUMINATING
% ILLUMINATION
INTEGRATED OPTICS
LASERS
LOW VISIBILITY
MOLECULAR ABSORPTION
OPACITY
OPTICAL BISTABILITY
OPTICAL COUPLING
OPTICAL PROPERTIES
OPTICAL REFLECTION
OPTICAL WAVEGUIDES
RAINBOWS
SAGNAC EFFECT
SQUEEZED STATES (QUANTUM THEORY)
STIMULATED EMISSION DEVICES
TRANSLUCENCE
TRANSPARENCE
TURBIDITY
ULTRAVIOLET LASERS
VISIBILITY
WAVE DISPERSION
WAVE PROPAGATION

LIGHT TRANSPORT AIRCRAFT
0103
GS COMMERCIAL AIRCRAFT
#LIGHT TRANSPORT AIRCRAFT
TRANSPORT AIRCRAFT
#LIGHT TRANSPORT AIRCRAFT
RT % AIRCRAFT
MULTIENGINE VEHICLES
PASSENGER AIRCRAFT

LIGHT VALVES
2601
RT ELECTRO-OPTICS
LIGHT MODULATION
LIQUID CRYSTALS
OPTICAL DATA PROCESSING

LIGHT WATER
1308
UF PROTIUM
GS HYDROGEN COMPOUNDS
#LIGHT WATER
WATER
#LIGHT WATER

LIGHT WATER BREEDER REACTORS
2204
GS NUCLEAR REACTORS
.BREEDER REACTORS
.#LIGHT WATER BREEDER REACTORS
RT HEAVY WATER REACTORS

LIGHT WATER REACTORS
2203
GS NUCLEAR REACTORS
.LIQUID COOLED REACTORS
..WATER COOLED REACTORS
..#LIGHT WATER REACTORS
RT WATER MODERATED REACTORS

LIGHT-CONE EXPANSION
2308 2311 2402
RT FIELD THEORY (PHYSICS)
MINKOWSKI SPACE
QUANTUM MECHANICS
RELATIVITY
SPACE-TIME FUNCTIONS

LIGHTHILL GAS MODEL
1203 3501
GS MODELS
#LIGHTHILL GAS MODEL
RT BOUNDARY LAYER FLOW
GAS MIXTURES
GAS TRANSPORT
HYPERSONIC FLOW
MOLECULAR THEORY
TRANSPORT PROPERTIES

LIGHTHILL METHOD
1202 2301 3304
RT AIRFOIL PROFILES

```
      AIRFOILS
      CONFORMAL MAPPING
      FLOW THEORY
      INTEGRAL TRANSFORMATIONS
    % METHODOLOGY

LIGHTING
  USE  ILLUMINATING

LIGHTING EQUIPMENT
  0506 2306 2310 3404
  GS  #LIGHTING EQUIPMENT
      .ILLUMINATORS
      .LUMINAIRES
      ..AIRCRAFT LIGHTS
      ..AIRPORT LIGHTS
      ...RUNWAY LIGHTS
      ..ARC LAMPS
      ..FLASH LAMPS
      ...ALKALI VAPOR LAMPS
      ..MERCURY LAMPS
      ..QUARTZ LAMPS
      ..SEARCHLIGHTS
      ..XENON LAMPS
  RT % ELECTRIC EQUIPMENT
    % EQUIPMENT
    % FLARES
      ILLUMINATING
      LIGHT (VISIBLE RADIATION)
      LIGHT SOURCES
      ONBOARD EQUIPMENT
      WASTE ENERGY UTILIZATION

LIGHTNING
  1301 2003 2306 2402
  GS   ELECTRIC CURRENT
       .ELECTRIC DISCHARGES
       .#LIGHTNING
       ...BALL LIGHTNING
  RT % ARRESTERS
       ATMOSPHERIC ELECTRICITY
       ELECTRIC ARCS
       ELECTRIC SPARKS
       ELECTRICITY
       ELECTRODELESS DISCHARGES
       GAS DISCHARGES
       LIGHTNING SUPPRESSION
       NITROGENATION
       RADIATIVE RECOMBINATION
       STATIC ELECTRICITY
       THUNDERSTORMS
       WHISTLERS

LIGHTNING SUPPRESSION
  1301 2003 2402
  GS   WEATHER MODIFICATION
       #LIGHTNING SUPPRESSION
  RT   ATMOSPHERIC ELECTRICITY
       CLIMATOLOGY
       ELECTRIC DISCHARGES
       LIGHTNING
       THUNDERSTORMS

LIGHTS
  USE  LUMINAIRES

LIGNIN
  0403 0406 0409
  RT   CELLULOSE
     % POLYMERS

LIGNITE
  1306
  GS   RESOURCES
       .EARTH RESOURCES
       ..FOSSIL FUELS
       ...COAL
       ...#LIGNITE
       ROCKS
       .SEDIMENTARY ROCKS
       ..CARBONACEOUS ROCKS
       ...COAL
       ...#LIGNITE
  RT   ASHES
       BITUMENS
       CARBONACEOUS MATERIALS
       COAL GASIFICATION
       COAL LIQUEFACTION
       COAL UTILIZATION
       COKE
       ENERGY CONVERSION
       ENERGY POLICY
       ENERGY TECHNOLOGY
       GASEOUS FUELS
       HYDROCARBON FUEL PRODUCTION
       HYDROGEN PRODUCTION
       HYDROPYROLYSIS
       SYNTHANE

LIKELIHOOD RATIO
  1902
  GS   STATISTICAL ANALYSIS
       #LIKELIHOOD RATIO
  RT   ESTIMATES
       MATHEMATICAL MODELS
       MAXIMUM LIKELIHOOD ESTIMATES
       PROBABILITY THEORY
       STATISTICAL TESTS

LIMB BRIGHTENING
  2902
  RT   B STARS
       BRIGHTNESS
       BRIGHTNESS TEMPERATURE
     % LIMBS
       SOLAR FLUX
       SOLAR FLUX DENSITY
       SOLAR GRANULATION
       SOLAR LIMB
       STELLAR ATMOSPHERES
       STELLAR LUMINOSITY

LIMB DARKENING
  0404 1308 3001
  GS   DARKENING
       #LIMB DARKENING
  RT   B STARS
       BINARY STARS
     % LIMBS
       SOLAR LIMB
       STELLAR ATMOSPHERES
       STELLAR LUMINOSITY

% LIMBS
  0404 0405 0506 0508 3001
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   EARTH LIMB
       LIMB BRIGHTENING
       LIMB DARKENING
       LIMBS (ANATOMY)
       LUNAR LIMB
       PLANETARY LIMB
       SOLAR LIMB

LIMBS (ANATOMY)
  0404 0405
  GS   ANATOMY
       #LIMBS (ANATOMY)
       ..ARM (ANATOMY)
       ...ELBOW (ANATOMY)
       ...FOREARM
       ..HAND (ANATOMY)
       ...FINGERS
       ..LEG (ANATOMY)
       ...FEET (ANATOMY)
       ...KNEE (ANATOMY)
  RT   APPENDAGES
       HUMAN BODY
     % LIMBS

LIME
  USE  CALCIUM OXIDES
```

```
LIMEN
  0405 0408 0410
  RT   PSYCHOLOGICAL TESTS
       THRESHOLDS (PERCEPTION)

LIMESTONE
  0603 1306 1806
  GS   ROCKS
       .SEDIMENTARY ROCKS
       .#LIMESTONE
  RT   AGGREGATES
       CALCIUM CARBONATES
       DOLOMITE (MINERAL)
       EARTH RESOURCES
       FLUXES
       MINERALS
       SCHIST
       SOILS

LIMITATIONS
  USE  CONSTRAINTS

LIMITER AMPLIFIERS
  0902 0904 1413
  GS   AMPLIFIERS
       #LIMITER AMPLIFIERS

LIMITER CIRCUITS
  0902 0904
  GS   CIRCUITS
       #LIMITER CIRCUITS
       ..CLIPPER CIRCUITS
  RT   CIRCULATORS (PHASE SHIFT CIRCUITS)
       CLAMPING CIRCUITS
       CURRENT REGULATORS
       POWER LIMITERS

LIMITERS (FUSION REACTORS)
  2502
  RT   BLANKETS (FUSION REACTORS)
       CONTROLLED FUSION
       FUSION REACTORS
       MODERATION (ENERGY ABSORPTION)
       MODERATORS
       PLASMA CONTROL
       PLASMA LOSS
       REACTOR DESIGN
       REACTOR MATERIALS
       TOKAMAK DEVICES
       TOROIDAL PLASMAS
       WALLS

% LIMITS
  1902 3406
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   IGNITION LIMITS
       LIMITS (MATHEMATICS)
       RANGE (EXTREMES)

LIMITS (MATHEMATICS)
  1902
  GS   ANALYSIS (MATHEMATICS)
       .CALCULUS
       .#LIMITS (MATHEMATICS)
       .REAL VARIABLES
       ..EXTREMUM VALUES
       ..#LIMITS (MATHEMATICS)
  RT   DIFFERENTIAL CALCULUS
     % ENVELOPES
     % LIMITS

LIMNOLOGY
  1305 1306 1310 2003
  RT   AQUIFERS
       ARROYOS
       EARTH HYDROSPHERE
       FRESH WATER
       GEOCHEMISTRY
       GEOPHYSICS
       GROUND WATER
     % HYDRAULICS
       HYDROGRAPHY
       HYDROLOGY
       LAKE TEXOMA (OK-TX)
       LAKES
       MARINE BIOLOGY
       MARINE CHEMISTRY
       PONDS
       POTABLE WATER
       RAIN
       STREAMS
       WATER
       WATER MANAGEMENT
       WATER POLLUTION
       WATER RESOURCES
       WELLS

LIMONITE
  0603 1804 1806
  GS   IRON COMPOUNDS
       #LIMONITE
       MINERALS
       #LIMONITE

LINCOLN EXPERIMENTAL SATELLITES
  3107
  UF   LES (SATELLITES)
  GS   ARTIFICIAL SATELLITES
       #LINCOLN EXPERIMENTAL SATELLITES

LINE CURRENT
  0902 2304
  GS   ELECTRIC CURRENT
       #LINE CURRENT
  RT   ELECTRIC POWER SUPPLIES
       ELECTRODYNAMICS
       MAGNETOHYDRODYNAMIC FLOW
       PLASMA CURRENTS
     % POWER SUPPLIES

LINE OF SIGHT
  3001
  RT   AREA
       COORDINATES
     % DIRECTION
       LOCI
       TARGETS

LINE OF SIGHT COMMUNICATION
  0702
  GS   TELECOMMUNICATION
       .COMMUNICATION
       .#LINE OF SIGHT COMMUNICATION
  RT   BORESIGHT ERROR
       FREQUENCY MODULATION
       SPACE COMMUNICATION
       TELEVISION TRANSMISSION

LINE SHAPE
  1902
  GS   SHAPES
       #LINE SHAPE
  RT   CURVES (GEOMETRY)
       INFLECTION POINTS
     % PROFILES

LINE SPECTRA
  1411 2402 2405 2903
  UF   SPECTRAL LINES
  GS   SPECTRA
       .RADIATION SPECTRA
       ..ELECTROMAGNETIC SPECTRA
       ..#LINE SPECTRA
       ....BALMER SERIES
       ....D LINES
       ....ELECTRONIC SPECTRA
       ....FRAUNHOFER LINES
       ....H LINES
       .....H ALPHA LINE
       .....H BETA LINE
       .....H GAMMA LINE
       ....K LINES
       ....LYMAN SPECTRA
```

....PASCHEN SERIES
....RYDBERG SERIES
....TELLURIC LINES
RT ABSORPTION SPECTRA
ATOMIC ENERGY LEVELS
BOHR THEORY
EMISSION SPECTRA
FINE STRUCTURE
FLAME SPECTROSCOPY
FREQUENCIES
HYPERFINE STRUCTURE
INFRARED SPECTRA
LIGHT (VISIBLE RADIATION)
% LINES
MOLECULAR SPECTROSCOPY
OSCILLATOR STRENGTHS
PRESSURE BROADENING
RAMAN SPECTRA
RAMAN SPECTROSCOPY
RESONANCE LINES
ROTATIONAL SPECTRA
SEYFERT GALAXIES
SOLAR SPECTRA
SPECTRAL BANDS
SPECTRAL EMISSION
SPECTRAL ENERGY DISTRIBUTION
SPECTRAL LINE WIDTH
SPECTRAL RESOLUTION
SPECTROGRAMS
SPECTRUM ANALYSIS
STARK EFFECT
STELLAR SPECTRA
ULTRAVIOLET SPECTRA
VISIBLE SPECTRUM

LINEAMENT
USE STRUCTURAL PROPERTIES (GEOLOGY)

LINEAR AC ALTERNATORS
USE LINEAR ALTERNATORS

LINEAR ACCELERATORS
2403 2405
GS PARTICLE ACCELERATORS
#LINEAR ACCELERATORS
RT % ACCELERATORS
ELECTRON ACCELERATORS
ION SOURCES
MULTIPACTOR DISCHARGES
NEUTRON SOURCES

LINEAR ALTERNATORS
0302 0904
UF LINEAR AC ALTERNATORS
GS ELECTRIC GENERATORS
.AC GENERATORS
.#LINEAR ALTERNATORS
RT FREE-PISTON ENGINES
% GENERATORS
STIRLING ENGINES

LINEAR AMPLIFIERS
0701 0902 0905 1002 2311
GS AMPLIFIERS
#LINEAR AMPLIFIERS

LINEAR ARRAYS
0701 0705 0710 0901
GS ARRAYS
.ANTENNA ARRAYS
.#LINEAR ARRAYS
...ENDFIRE ARRAYS
....YAGI ANTENNAS
RT DIPOLE ANTENNAS
FOCAL PLANE DEVICES
LASER ARRAYS
MULTIPLE BEAM INTERVAL SCANNERS
PHASED ARRAYS
PUSHBROOM SENSOR MODES

LINEAR CIRCUITS
0902 2304
GS CIRCUITS
#LINEAR CIRCUITS
RT AMPLIFIERS
DISTRIBUTED PARAMETER SYSTEMS
ELECTRICAL RESISTANCE
SUPERPOSITION (MATHEMATICS)
TRANSCONDUCTANCE
VOLT-AMPERE CHARACTERISTICS

LINEAR ENERGY TRANSFER (LET)
0411 2311 2405
GS ENERGY TRANSFER
#LINEAR ENERGY TRANSFER (LET)
RT IONIZING RADIATION

LINEAR EQUATIONS
1902 3501
GS ALGEBRA
#LINEAR EQUATIONS
..LINEAR EVOLUTION EQUATIONS
..RICCATI EQUATION
ANALYSIS (MATHEMATICS)
.REAL VARIABLES
.#LINEAR EQUATIONS
...LINEAR EVOLUTION EQUATIONS
...RICCATI EQUATION
RT DETERMINANTS
DIFFERENTIAL EQUATIONS
% EQUATIONS
FLOQUET THEOREM
GAUSSIAN ELIMINATION
LINEAR OPERATORS
MATRICES (MATHEMATICS)
OPERATIONAL CALCULUS
POLYNOMIALS

LINEAR EVOLUTION EQUATIONS
1902 3501
GS ALGEBRA
.LINEAR EQUATIONS
.#LINEAR EVOLUTION EQUATIONS
ANALYSIS (MATHEMATICS)
.REAL VARIABLES
..LINEAR EQUATIONS
..#LINEAR EVOLUTION EQUATIONS
RT DIFFERENCE EQUATIONS
% EQUATIONS

LINEAR FILTERS
0902 0904 2304
GS #LINEAR FILTERS
.KALMAN FILTERS
.REDUCED ORDER FILTERS
RT ADAPTIVE FILTERS
ELECTRIC FILTERS
ELECTROMAGNETIC WAVE FILTERS
% FILTERS
% FREQUENCY RESPONSE
NONLINEAR FILTERS

LINEAR INTEGRATED CIRCUITS
0902 1001 1002
GS CIRCUITS
.INTEGRATED CIRCUITS
.#LINEAR INTEGRATED CIRCUITS
RT ELECTRONIC PACKAGING
LARGE SCALE INTEGRATION
MICROMINIATURIZATION
MOLECULAR ELECTRONICS
OPERATIONAL AMPLIFIERS
TRANSISTOR CIRCUITS

LINEAR OPERATORS
1902
GS OPERATORS (MATHEMATICS)
#LINEAR OPERATORS
RT LINEAR EQUATIONS
LINEAR SYSTEMS
LINEAR TRANSFORMATIONS

LINEAR POLARIZATION
2306
GS POLARIZATION (WAVES)

```
        #LINEAR POLARIZATION
  RT    LIGHT EMISSION
        MICROWAVE EMISSION
        OPTICAL POLARIZATION
      % POLARIZATION
        POLARIZED ELECTROMAGNETIC RADIATION
        POLARIZED RADIATION
        RADIO ASTRONOMY

LINEAR PREDICTION
  1902
  GS    PREDICTIONS
        #LINEAR PREDICTION
  RT    COMPUTATION
        DIFFERENTIAL PULSE CODE MODULATION
        MATHEMATICAL MODELS
        OPERATIONS RESEARCH
        QUALITY CONTROL
        STATISTICAL ANALYSIS

LINEAR PROGRAMMING
  0802 1902
  GS    OPTIMIZATION
        .MATHEMATICAL PROGRAMMING
        .#LINEAR PROGRAMMING
        RESEARCH
        #LINEAR PROGRAMMING
  RT %  APPLICATIONS OF MATHEMATICS
        COMPUTER PROGRAMMING
        CONSTRAINTS
        DYNAMIC PROGRAMMING
        FORMALISM
        GAME THEORY
        MATRICES (MATHEMATICS)
        NONLINEAR PROGRAMMING
        NUMERICAL ANALYSIS
        OPERATIONS RESEARCH
      % PROGRAMMING
        SIMPLEX METHOD

LINEAR QUADRATIC GAUSSIAN CONTROL
  1003 1902 1904 2102 3006
  UF    LQG CONTROL
  GS    AUTOMATIC CONTROL
        .OPTIMAL CONTROL
        ..LINEAR QUADRATIC REGULATOR
        ..#LINEAR QUADRATIC GAUSSIAN
           CONTROL
        OPTIMIZATION
        .OPTIMAL CONTROL
        ..LINEAR QUADRATIC REGULATOR
        ..#LINEAR QUADRATIC GAUSSIAN
           CONTROL
  RT %  CONTROL
        CONTROL SYSTEMS DESIGN
        CONTROL THEORY
        FEEDBACK CONTROL
        H-INFINITY CONTROL
        KALMAN FILTERS

LINEAR QUADRATIC REGULATOR
  1003 1902 1904 2102 3006
  UF    LINEAR REGULATOR
        LQR
  GS    AUTOMATIC CONTROL
        .OPTIMAL CONTROL
        .#LINEAR QUADRATIC REGULATOR
        ...LINEAR QUADRATIC GAUSSIAN
           CONTROL
        OPTIMIZATION
        .OPTIMAL CONTROL
        .#LINEAR QUADRATIC REGULATOR
        ...LINEAR QUADRATIC GAUSSIAN
           CONTROL
  RT %  CONTROL
        CONTROL SYSTEMS DESIGN
        CONTROL THEORY
        CONTROLLERS
        FEEDBACK CONTROL
        KALMAN FILTERS

LINEAR RECEIVERS
  0701 0702 0905
  GS    RECEIVERS
        #LINEAR RECEIVERS
  RT %  FREQUENCY RESPONSE
        NYQUIST FREQUENCIES

LINEAR REGULATOR
  USE   LINEAR QUADRATIC REGULATOR

LINEAR SYSTEMS
  0902 1002 2304 2402
  RT    DISTRIBUTED PARAMETER SYSTEMS
        LINEAR OPERATORS
        NONLINEAR SYSTEMS
        ROBUSTNESS (MATHEMATICS)
        STATE ESTIMATION
      % SYSTEMS
        TRACKING PROBLEM

LINEAR TRANSFORMATIONS
  1902
  GS    ALGEBRA
        #LINEAR TRANSFORMATIONS
        FUNCTIONS (MATHEMATICS)
        #LINEAR TRANSFORMATIONS
        TRANSFORMATIONS (MATHEMATICS)
        #LINEAR TRANSFORMATIONS
  RT    FOURIER ANALYSIS
        JORDAN FORM
        LINEAR OPERATORS
        MATRICES (MATHEMATICS)
        ORTHOGONAL FUNCTIONS
        SCHWARTZ INEQUALITY
        VECTOR SPACES

LINEAR VIBRATION
  0101 2308 2311
  GS    VIBRATION
        .STRUCTURAL VIBRATION
        .#LINEAR VIBRATION
  RT    FREE VIBRATION
        MISSILE VIBRATION
        RANDOM VIBRATION
        VIBRATION MODE

LINEARITY
  1902 2311 3408
  GS   #LINEARITY
        .COLLINEARITY
  RT    ACCURACY
        CONSISTENCY
        DIFFERENTIAL EQUATIONS
        DYNAMIC CHARACTERISTICS
        ERRORS
        FUNCTIONS (MATHEMATICS)
        INSTRUMENT ERRORS
        LINEARIZATION
        NONLINEARITY
        TOLERANCES (MECHANICS)
        VARIABILITY

LINEARIZATION
  1902 2311 3501
  RT    BERNOULLI THEOREM
      % EQUATIONS
        GALERKIN METHOD
        LINEARITY
        SIMPLIFICATION

LINEN
  1811
  GS    FABRICS
        #LINEN
        FIBERS
        #LINEN
        TEXTILES
        #LINEN
  RT    ORGANIC MATERIALS

LINERS
  USE   LININGS

% LINES
```

```
  0701 0904 1411 1902
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   DELAY LINES
       LINE SPECTRA
       LINES OF FORCE
       PIPELINES
       TERMINATOR LINES
       TETHERLINES
       TRANSMISSION LINES
       UNDERGROUND TRANSMISSION LINES

LINES (GEOMETRY)
  1902
  GS   GEOMETRY
       .EUCLIDEAN GEOMETRY
       .#LINES (GEOMETRY)
       ...CHORDS (GEOMETRY)
       ...GEODESIC LINES
  RT   RADII
       RECIPROCAL THEOREMS
       SEGMENTS

LINES OF FORCE
  1309 2304 2307 2308 2311
  RT   BARIUM ION CLOUDS
       CONJUGATE POINTS
       FIELD ALIGNED CURRENTS
       FLUX PINNING
       FLUX TRANSFER EVENTS
     % FORCE
     % LINES
       MAGNETIC CIRCUITS
       MAGNETIC DOMAINS
       MAGNETIC FIELDS
       MAGNETIC FLUX
       MAGNETIC MIRRORS
       MAGNETIC PROPERTIES
       MAGNETOSTATIC FIELDS
       NONUNIFORM MAGNETIC FIELDS
       POLAR CUSPS

LING-TEMCO-VOUGHT AIRCRAFT
  0207
  UF   LTV AIRCRAFT
  GS  #LING-TEMCO-VOUGHT AIRCRAFT
       .A-7 AIRCRAFT
       .F-8 AIRCRAFT
       .XC-142 AIRCRAFT
  RT % AIRCRAFT

LINGUISTICS
  0408 0410 3405
  GS  #LINGUISTICS
       .MACHINE TRANSLATION
       .PHONEMES
       .PHONEMICS
       .PSYCHOLINGUISTICS
       .SEMANTICS
       .SYNTAX
       ..SENTENCES
       ...WORDS (LANGUAGE)
       ....SYLLABLES
  RT   LANGUAGES
       NATURAL LANGUAGE PROCESSING
       ORTHOGRAPHY
       PREDICATE LOGIC
       SPEECH

LINING PROCESSES
  1507 2806 3202
  RT   COATING
       COATINGS
       INSULATION
       LININGS
       SEALING
       TUNNELING (EXCAVATION)

LININGS
  1507 2806 3202
  UF   LINERS
  GS  #LININGS
       .ROCKET LININGS
  RT   BUSHINGS
     % CASING
       COATINGS
       INSERTS
       INSULATION
       JACKETS
       LINING PROCESSES
       SHEATHS
       SHIELDING
     % TUBES

LINKAGES
  1504
  RT   CAMS
       CONNECTORS
       COUPLING
       COUPLINGS
       ECCENTRICS
       FASTENERS
       FITTINGS
       JOINTS (JUNCTIONS)
       LATCHES
     % LINKS
       MECHANICAL DEVICES
       UNIONS (CONNECTORS)
       YOKES

LINKING
  USE  JOINING

% LINKS
  1504
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   CHAINS
       LINKAGES
       LINKS (MATHEMATICS)

LINKS (MATHEMATICS)
  1902
  GS   GEOMETRY
       .TOPOLOGY
       .#LINKS (MATHEMATICS)
  RT % LINKS

LIOUVILLE EQUATIONS
  1902 1905 2308 3501
  GS   ANALYSIS (MATHEMATICS)
       .REAL VARIABLES
       ..DIFFERENTIAL EQUATIONS
       ...PARTIAL DIFFERENTIAL EQUATIONS
       ...#LIOUVILLE EQUATIONS
  RT % EQUATIONS
       PLASMA PHYSICS
       PLASMAS (PHYSICS)
       STATISTICAL MECHANICS

LIOUVILLE THEOREM
  1902 1905 2308
  GS   ANALYSIS (MATHEMATICS)
       .COMPLEX VARIABLES
       .#LIOUVILLE THEOREM
       THEOREMS
       #LIOUVILLE THEOREM

LIP READING
  0702
  GS   COMMUNICATING
       #LIP READING
       READING
       #LIP READING

LIPID METABOLISM
  0404 1808
  GS   METABOLISM
       .PROTEIN METABOLISM
       .#LIPID METABOLISM
  RT % NUTRIENTS
       OILS
```

```
LIPIDS
  0403 0603 1808
  GS    ORGANIC COMPOUNDS
        #LIPIDS
        ..CALCIFEROL
        ..CASTOR OIL
        ..FATS
        ..LIPOPROTEINS
        ..PHYLLOQUINONE
        ..RETINENE
        ..STEROIDS
        ...CHOLESTEROL
        ...CORTICOSTEROIDS
        ....ALDOSTERONE
        ....HYDROXYCORTICOSTEROID
        .....CORTISONE
        ...ESTROGENS
        ...PROSTAGLANDINS
        ..TOCOPHEROL
  RT    AMINO ACIDS
        ESTERS
        GLYCEROLS
        MYELIN
      % NUTRIENTS

LIPOIC ACID
  0403 1808
  GS    ACIDS
        .CARBOXYLIC ACIDS
        ..FATTY ACIDS
        ..#LIPOIC ACID
        ORGANIC COMPOUNDS
        .CARBOXYLIC ACIDS
        ..FATTY ACIDS
        ..#LIPOIC ACID

LIPOPROTEINS
  0403 1808
  GS    BIOPOLYMERS
        .PROTEINS
        .#LIPOPROTEINS
        ORGANIC COMPOUNDS
        .LIPIDS
        .#LIPOPROTEINS
        .PROTEINS
        .#LIPOPROTEINS

LIPS (ANATOMY)
  0404 0405 0506 0508
  GS    ANATOMY
        .FACE (ANATOMY)
        ..MOUTH
        ..#LIPS (ANATOMY)
  RT    HEAD (ANATOMY)

LIPSCHITZ CONDITION
  1902
  GS    ANALYSIS (MATHEMATICS)
        .REAL VARIABLES
        .#LIPSCHITZ CONDITION
        CONDITIONS
        #LIPSCHITZ CONDITION
  RT    DIFFERENTIAL EQUATIONS

LIQUEFACTION
  0603 2311 3407
  GS    PHASE TRANSFORMATIONS
        #LIQUEFACTION
        ..COAL LIQUEFACTION
  RT  % CONDENSATION
      % CONVERSION
        JET CONDENSERS
        MELTING
        NONCONDENSABLE GASES
        THIXOTROPY

LIQUEFIED GASES
  0603 1202 1203 2702
  GS    GASES
        #LIQUEFIED GASES
        ..LIQUEFIED NATURAL GAS
        ..LIQUID AIR
        ..LIQUID AMMONIA
        ..LIQUID FLUORINE
        ..LIQUID HELIUM
        ...LIQUID HELIUM 2
        ..LIQUID HYDROGEN
        ..LIQUID NEON
        ..LIQUID NITROGEN
        ..LIQUID OXYGEN
        LIQUIDS
        #LIQUEFIED GASES
        ..LIQUEFIED NATURAL GAS
        ..LIQUID AIR
        ..LIQUID AMMONIA
        ..LIQUID FLUORINE
        ..LIQUID HELIUM
        ...LIQUID HELIUM 2
        ..LIQUID HYDROGEN
        ..LIQUID NEON
        ..LIQUID NITROGEN
        ..LIQUID OXYGEN
  RT    CONDENSATES
        CONDENSERS (LIQUEFIERS)
        CRYOGENIC ROCKET PROPELLANTS
        CRYOGENICS
        GAS MIXTURES
        LIQUID ROCKET PROPELLANTS
        SOLID CRYOGEN COOLING

LIQUEFIED NATURAL GAS
  1202 1203 1802 2702
  UF    LNG
  GS    FUELS
        .CHEMICAL FUELS
        ..HYDROCARBON FUELS
        ..#LIQUEFIED NATURAL GAS
        GASES
        .FLAMMABLE GASES
        .#LIQUEFIED NATURAL GAS
        .LIQUEFIED GASES
        .#LIQUEFIED NATURAL GAS
        LIQUIDS
        .LIQUEFIED GASES
        .#LIQUEFIED NATURAL GAS
        ORGANIC COMPOUNDS
        .HYDROCARBONS
        .#LIQUEFIED NATURAL GAS
  RT    METHANE
        NATURAL GAS

LIQUID AIR
  1203
  GS    GASES
        .GAS MIXTURES
        ..AIR
        ..#LIQUID AIR
        .LIQUEFIED GASES
        .#LIQUID AIR
        LIQUIDS
        .LIQUEFIED GASES
        .#LIQUID AIR
        MIXTURES
        .SOLUTIONS
        ..GAS MIXTURES
        ...AIR
        ...#LIQUID AIR

LIQUID AIR CYCLE ENGINES
  2804 2808 3103
  UF    LACE (ENGINE)
  GS    ENGINES
        .ROCKET ENGINES
        ..LIQUID PROPELLANT ROCKET ENGINES
        ..#LIQUID AIR CYCLE ENGINES
  RT    AEROSPACE PLANES
        HYDROGEN OXYGEN ENGINES
        SUSTAINER ROCKET ENGINES
        TURBOROCKET ENGINES

LIQUID ALLOYS
  0603 1701 1703 1704
  GS    ALLOYS
        #LIQUID ALLOYS
  RT    METALS
```

```
LIQUID AMMONIA
  0603 1804 2702 2804
  GS   GASES
       .AMMONIA
       .#LIQUID AMMONIA
       .LIQUEFIED GASES
       .#LIQUID AMMONIA
       INORGANIC COMPOUNDS
       .AMMONIA
       .#LIQUID AMMONIA
       LIQUIDS
       .LIQUEFIED GASES
       .#LIQUID AMMONIA
       NITROGEN COMPOUNDS
       .AMMONIA
       .#LIQUID AMMONIA
  RT   FUELS
       LIQUID FUELS

LIQUID ATOMIZATION
  0602 2311 3407
  GS   ATOMIZING
       #LIQUID ATOMIZATION
  RT   GAS ATOMIZATION
       SPRAYING

LIQUID BEARINGS
  1501 1503 2311
  GS   BEARINGS
       #LIQUID BEARINGS
  RT   LUBRICATION

LIQUID BREATHING
  1202 2804 2808
  GS   RESPIRATION
       #LIQUID BREATHING
  RT   ACCLIMATIZATION
       PRESSURE BREATHING
       RESUSCITATION

LIQUID BRIDGES
  1202 3404 3407
  RT % BRIDGES
       CAPILLARY FLOW
       CONTAINERLESS MELTS
       INTERFACIAL TENSION
       LIQUID-SOLID INTERFACES
       LOW GRAVITY MANUFACTURING
       MARANGONI CONVECTION
       SPACE MANUFACTURING
       SPACE PROCESSING

LIQUID CHROMATOGRAPHY
  0601
  UF   GEL PERMEATION CHROMATOGRAPHY
  GS   CHEMICAL TESTS
       .CHEMICAL ANALYSIS
       ..CHROMATOGRAPHY
       ..#LIQUID CHROMATOGRAPHY
  RT   COLORIMETRY
       PAPER CHROMATOGRAPHY
       SORPTION

LIQUID COOLED REACTORS
  2203 2204
  GS   NUCLEAR REACTORS
       #LIQUID COOLED REACTORS
       ..LIQUID METAL COOLED REACTORS
       ...ADVANCED SODIUM COOLED REACTOR
       ...EXPERIMENTAL BREEDER REACTOR 1
       ...EXPERIMENTAL BREEDER REACTOR 2
       ...LITHIUM COOLED REACTOR
          EXPERIMENT
       ...LOS ALAMOS MOLTEN PLUTONIUM
          REACTOR
       ...MILITARY COMPACT REACTORS
       ...SODIUM GRAPHITE REACTORS
       ...SODIUM REACTOR EXPERIMENT
       ..ORGANIC COOLED REACTORS
       ...EXPERIMENTAL ORGANIC COOLED
          REACTORS
       ..WATER COOLED REACTORS
       ...BOILING WATER REACTORS
       ....EXPERIMENTAL BOILING WATER
           REACTORS
       ....HALDEN BOILING WATER REACTOR
       ....LOS ALAMOS WATER BOILER REACTOR
       ....PATHFINDER NUCLEAR REACTOR
       ....SPERT REACTORS
       ...HEAVY WATER REACTORS
       ....HEAVY WATER COMPONENTS TEST
           REACTORS
       ....PLUTONIUM RECYCLE TEST REACTOR
       ....ZERO POWER REACTOR 2
       ...LIGHT WATER REACTORS
       ...NRX REACTORS
       ...PLUM BROOK REACTOR
       ...PRESSURIZED WATER REACTORS
       ....SPECTRAL SHIFT CONTROL REACTOR
       ...SWIMMING POOL REACTORS
       ...ZERO POWER REACTORS
       ....ZERO POWER REACTOR 2
       ....ZERO POWER REACTOR 3
       ....ZERO POWER REACTOR 6
       ....ZERO POWER REACTOR 9
  RT   SODIUM COOLING

LIQUID COOLING
  0508 1803 3105 3303 3404 3501
  SN   (COOLING WITH LIQUIDS)
  UF   WATER COOLING
  GS   COOLING
       #LIQUID COOLING
       ..FILM COOLING
  RT   AIR COOLING
       COOLANTS
       COOLING SYSTEMS
       SODIUM COOLING
       SPACE COOLING (BUILDINGS)
       SWEAT COOLING
       THERMAL POLLUTION
       WATER IMMERSION

LIQUID CRYSTALS
  2601
  GS   CRYSTALS
       #LIQUID CRYSTALS
  RT   ANISOTROPIC FLUIDS
       CHOLESTEROL
       LIGHT VALVES

LIQUID DROPS
  USE  DROPS (LIQUIDS)

LIQUID FILLED SHELLS
  1202 1204 3203
  GS   SHELLS (STRUCTURAL FORMS)
       .FLUID FILLED SHELLS
       .#LIQUID FILLED SHELLS
  RT   HYDRODYNAMIC RAM EFFECT
       PROPELLANT TANKS
       REINFORCED SHELLS
       SHELL STABILITY
     % STORAGE
       TANKS (CONTAINERS)
     % VESSELS

LIQUID FLOW
  1202
  GS   FLUID FLOW
       #LIQUID FLOW
       ..OPEN CHANNEL FLOW
       ..WATER FLOW
  RT   CRITICAL FLOW
       GAS FLOW
       HEAD (FLUID MECHANICS)
       HEAD FLOW
       HYDRODYNAMIC COEFFICIENTS
       LAMINAR FLOW
       MASS FLOW
       MULTIPHASE FLOW
       NONNEWTONIAN FLOW
       ORIFICE FLOW
       PIPE FLOW
```

PRESSURE GRADIENTS
PRESSURE HEADS
RHEOLOGY
SINGLE-PHASE FLOW
SORET COEFFICIENT
STEADY FLOW
SUBCRITICAL FLOW
SUPERCRITICAL FLOW
TURBULENT FLOW
TWO PHASE FLOW
UNIFORM FLOW
UNSTEADY FLOW

LIQUID FLUORINE
1807
GS GASES
.LIQUEFIED GASES
.#LIQUID FLUORINE
LIQUIDS
.LIQUEFIED GASES
.#LIQUID FLUORINE

LIQUID FUELS
0301
GS FUELS
.CHEMICAL FUELS
.#LIQUID FUELS
...AIRCRAFT FUELS
...ANTIMISTING FUELS
...AUTOMOBILE FUELS
...DIESEL FUELS
...GASOLINE
...HYDROGEN FUELS
...JET ENGINE FUELS
....JP-4 JET FUEL
....JP-5 JET FUEL
....JP-6 JET FUEL
....JP-8 JET FUEL
...KEROSENE
RT FUEL PRODUCTION
GASEOUS FUELS
LIQUID AMMONIA
LIQUID HYDROGEN
LIQUID ROCKET PROPELLANTS
LIQUIDS
SYNTHETIC FUELS

LIQUID HELIUM
0603
UF HELIUM 2
GS CHEMICAL ELEMENTS
.RARE GASES
..HELIUM
..#LIQUID HELIUM
....LIQUID HELIUM 2
GASES
.LIQUEFIED GASES
.#LIQUID HELIUM
...LIQUID HELIUM 2
.RARE GASES
..HELIUM
..#LIQUID HELIUM
....LIQUID HELIUM 2
LIQUIDS
.CRYOGENIC FLUIDS
.#LIQUID HELIUM
...LIQUID HELIUM 2
.LIQUEFIED GASES
.#LIQUID HELIUM
...LIQUID HELIUM 2
RT CRYOSTATS
SUPERFLUIDITY
TWO FLUID MODELS

LIQUID HELIUM 2
0603 1202 1203
GS CHEMICAL ELEMENTS
.RARE GASES
..HELIUM
...LIQUID HELIUM
...#LIQUID HELIUM 2
GASES
.LIQUEFIED GASES
..LIQUID HELIUM
..#LIQUID HELIUM 2
.RARE GASES
..HELIUM
...LIQUID HELIUM
...#LIQUID HELIUM 2
LIQUIDS
.CRYOGENIC FLUIDS
..LIQUID HELIUM
..#LIQUID HELIUM 2
.LIQUEFIED GASES
..LIQUID HELIUM
..#LIQUID HELIUM 2
RT CRYOSTATS
SUPERFLUIDITY

LIQUID HYDROGEN
0603 2702 2804
GS CHEMICAL ELEMENTS
.HYDROGEN
.#LIQUID HYDROGEN
GASES
.HYDROGEN
.#LIQUID HYDROGEN
.LIQUEFIED GASES
.#LIQUID HYDROGEN
LIQUIDS
.CRYOGENIC FLUIDS
.#LIQUID HYDROGEN
.LIQUEFIED GASES
.#LIQUID HYDROGEN
RT CRYOGENIC ROCKET PROPELLANTS
FUELS
HYDROGEN FUELS
HYDROGEN-BASED ENERGY
LIQUID FUELS
SLUSH HYDROGEN
TOPPING CYCLE ENGINES

LIQUID INJECTION
1202 2502 2801 2804 2808
GS INJECTION
.FLUID INJECTION
.#LIQUID INJECTION
...DEEP WELL INJECTION (WASTES)
...WATER INJECTION
RT FILM COOLING
FUEL INJECTION
FUEL SPRAYS
MIXING
PROPELLANT SPRAYS
THRUST VECTOR CONTROL

LIQUID LASERS
0603 1601 3404
GS STIMULATED EMISSION DEVICES
.LASERS
.#LIQUID LASERS
RT CARBON LASERS
CHEMICAL LASERS
DYE LASERS
INFRARED LASERS
ORGANIC LASERS

LIQUID LEVELS
0603 2311
GS LEVEL (HORIZONTAL)
#LIQUID LEVELS
RT FLUID BOUNDARIES

LIQUID LITHIUM
0603 1703 1704
GS CHEMICAL ELEMENTS
.ALKALI METALS
..LITHIUM
..#LIQUID LITHIUM
LIQUIDS
.LIQUID METALS
.#LIQUID LITHIUM
METALS
.ALKALI METALS
..LITHIUM

```
      ..#LIQUID LITHIUM
      .LIQUID METALS
      .#LIQUID LITHIUM

LIQUID MERCURY
  USE  MERCURY (METAL)

LIQUID METAL COOLED REACTORS
  2202 2203 2204
  UF   LMCR (REACTORS)
  GS   NUCLEAR REACTORS
       .LIQUID COOLED REACTORS
       .#LIQUID METAL COOLED REACTORS
       ...ADVANCED SODIUM COOLED REACTOR
       ...EXPERIMENTAL BREEDER REACTOR 1
       ...EXPERIMENTAL BREEDER REACTOR 2
       ...LITHIUM COOLED REACTOR
          EXPERIMENT
       ...LOS ALAMOS MOLTEN PLUTONIUM
          REACTOR
       ...MILITARY COMPACT REACTORS
       ...SODIUM GRAPHITE REACTORS
       ...SODIUM REACTOR EXPERIMENT
  RT   ENRICO FERMI ATOMIC POWER PLANT
       SODIUM

LIQUID METAL FAST BREEDER REACTORS
  1703 2204
  UF   LMFBR
  GS   NUCLEAR REACTORS
       .BREEDER REACTORS
       .#LIQUID METAL FAST BREEDER
         REACTORS
       .FAST NUCLEAR REACTORS
       .#LIQUID METAL FAST BREEDER
         REACTORS
  RT   NUCLEAR POWER REACTORS

LIQUID METALS
  0603 1703 1704
  GS   LIQUIDS
       #LIQUID METALS
       ..LIQUID LITHIUM
       ..LIQUID POTASSIUM
       ..LIQUID SODIUM
       ..MERCURY (METAL)
       ...MERCURY VAPOR
       METALS
       #LIQUID METALS
       ..LIQUID LITHIUM
       ..LIQUID POTASSIUM
       ..LIQUID SODIUM
       ..MERCURY (METAL)
       ...MERCURY VAPOR
  RT   CASTING
       LEVITATION MELTING
       LUBRICANTS
       MELTING
       METAL VAPORS
       SQUEEZE CASTING

LIQUID NEON
  0603
  GS   CHEMICAL ELEMENTS
       .RARE GASES
       ..NEON
       ..#LIQUID NEON
       GASES
       .LIQUEFIED GASES
       .#LIQUID NEON
       .RARE GASES
       ..NEON
       ..#LIQUID NEON
       LIQUIDS
       .LIQUEFIED GASES
       .#LIQUID NEON

LIQUID NITROGEN
  0603
  GS   CHEMICAL ELEMENTS
       .NITROGEN
       .#LIQUID NITROGEN
       GASES
       .LIQUEFIED GASES
       .#LIQUID NITROGEN
       .NITROGEN
       .#LIQUID NITROGEN
       LIQUIDS
       .CRYOGENIC FLUIDS
       .#LIQUID NITROGEN
       .LIQUEFIED GASES
       .#LIQUID NITROGEN
  RT   HIGH TEMPERATURE SUPERCONDUCTORS
       SOLID CRYOGENS

LIQUID OXIDIZERS
  0602 0603 3301
  GS   LIQUIDS
       #LIQUID OXIDIZERS
       OXIDIZERS
       #LIQUID OXIDIZERS
  RT   ROCKET OXIDIZERS

LIQUID OXYGEN
  0603 2702
  UF   LOX (OXYGEN)
  GS   CHEMICAL ELEMENTS
       .OXYGEN
       .#LIQUID OXYGEN
       GASES
       .LIQUEFIED GASES
       .#LIQUID OXYGEN
       .OXYGEN
       .#LIQUID OXYGEN
       LIQUIDS
       .CRYOGENIC FLUIDS
       .#LIQUID OXYGEN
       .LIQUEFIED GASES
       .#LIQUID OXYGEN
       OXIDIZERS
       #LIQUID OXYGEN
  RT   CRYOGENIC ROCKET PROPELLANTS
       FLOX
       OXYGEN-HYDROCARBON ROCKET ENGINES
       ROCKET OXIDIZERS

LIQUID OXYGEN HYDROCARBON ROCKET ENGINES
  USE  OXYGEN-HYDROCARBON ROCKET ENGINES

LIQUID PHASE EPITAXY
  2601
  GS   GROWTH
       .CRYSTAL GROWTH
       ..EPITAXY
       ..#LIQUID PHASE EPITAXY
  RT   CRYSTAL STRUCTURE
       LIQUID PHASES
       VAPOR PHASE EPITAXY

LIQUID PHASE SINTERING
  1104 1504 3407
  GS   SINTERING
       #LIQUID PHASE SINTERING
  RT   CONSOLIDATION
       METAL POWDER
       POWDER METALLURGY

LIQUID PHASES
  0603 1202
  RT   ALLOYS
       CRITICAL PRESSURE
       ELECTROEPITAXY
       EUTECTICS
       LIQUID PHASE EPITAXY
       LIQUIDS
       LIQUIDUS
       MELTING POINTS
       PHASE DIAGRAMS
       PHASE SEPARATION (MATERIALS)
     % PHASES
       SOLID PHASES
       SOLID SOLUTIONS
       SOLIDUS
       SOLUBILITY
       SUPERCRITICAL PRESSURES
```

SYNTECTIC ALLOYS
TRANSITION TEMPERATURE
VAPOR PHASE EPITAXY
VAPOR PHASES

LIQUID PLUS SOLID ZONES
USE MUSHY ZONES

LIQUID POTASSIUM
0603 1503
GS CHEMICAL ELEMENTS
.ALKALI METALS
..POTASSIUM
..#LIQUID POTASSIUM
LIQUIDS
.LIQUID METALS
.#LIQUID POTASSIUM
METALS
.ALKALI METALS
..POTASSIUM
..#LIQUID POTASSIUM
.LIQUID METALS
.#LIQUID POTASSIUM

LIQUID PROPELLANT ROCKET ENGINES
2804 2808
GS ENGINES
.ROCKET ENGINES
.#LIQUID PROPELLANT ROCKET ENGINES
...AJ-10 ENGINE
...F-1 ROCKET ENGINE
...H-1 ENGINE
...HYDRAZINE ENGINES
...HYDROGEN OXYGEN ENGINES
....J-2 ENGINE
....M-1 ENGINE
....RL-10-A-1 ENGINE
....RL-10-A-3 ENGINE
...LIQUID AIR CYCLE ENGINES
...LR-62-RM-2 ENGINE
...LR-87-AJ-5 ENGINE
...LR-91-AJ-5 ENGINE
...LR-99 ENGINE
...MA-2 ENGINE
...MA-3 ENGINE
...MA-5 ENGINE
...OXYGEN-HYDROCARBON ROCKET ENGINES
...RL-10 ENGINES
....RL-10-A-1 ENGINE
....RL-10-A-3 ENGINE
...SPACE SHUTTLE MAIN ENGINE
...X-405 ENGINE
...XLR-99 ENGINE
...YLR-91-AJ-1 ENGINE
RT ABLESTAR LAUNCH VEHICLE
ATLAS SLV-3 LAUNCH VEHICLE
BLACK KNIGHT ROCKET VEHICLE
BLUE STEEL MISSILE
BLUE STREAK LAUNCH VEHICLE
BLUE STREAK MISSILE
BOMARC A MISSILE
BOMARC B MISSILE
BOOSTER ROCKET ENGINES
CENTAUR LAUNCH VEHICLE
CORPORAL MISSILE
CORVUS MISSILE
DIAMANT LAUNCH VEHICLE
DORNIER PARAGLIDER ROCKET VEHICLE
DUCTED ROCKET ENGINES
HYBRID PROPELLANT ROCKET ENGINES
HYLA-STAR ROCKET VEHICLE
INTERNAL COMBUSTION ENGINES
JUNO LAUNCH VEHICLES
JUNO 1 LAUNCH VEHICLE
JUNO 2 LAUNCH VEHICLE
JUPITER C ROCKET VEHICLE
JUPITER MISSILE
LANCE MISSILE
METEOR 1 ROCKET VEHICLE
NAVAHO MISSILE
NIKE-AJAX MISSILE
NOMAD LAUNCH VEHICLE
NOVA LAUNCH VEHICLES
PROPELLANT TANKS
RESTARTABLE ROCKET ENGINES
RETROROCKET ENGINES
SATURN S-1 STAGE
SATURN S-1B STAGE
SATURN S-1C STAGE
SATURN S-2 STAGE
SATURN S-4 STAGE
SATURN S-4B STAGE
SATURN STAGES
SOLID PROPELLANT ROCKET ENGINES
SPARROW 3 MISSILE
SUSTAINER ROCKET ENGINES
TALOS MISSILE
THOR ABLE ROCKET VEHICLE
THOR AGENA LAUNCH VEHICLE
THOR DELTA LAUNCH VEHICLE
THOR LAUNCH VEHICLES
THORAD LAUNCH VEHICLES
TITAN ICBM
TITAN LAUNCH VEHICLES
V-1 MISSILE
V-2 MISSILE
VANGUARD 2 LAUNCH VEHICLE
VEGA LAUNCH VEHICLE
VERNIER ENGINES
VERONIQUE ROCKET VEHICLES
VIKING ROCKET VEHICLE

LIQUID ROCKET PROPELLANTS
0603 2702 2804
UF BIPROPELLANTS
TRIPROPELLANTS
GS PROPELLANTS
.ROCKET PROPELLANTS
.#LIQUID ROCKET PROPELLANTS
...CRYOGENIC ROCKET PROPELLANTS
...GELLED ROCKET PROPELLANTS
...HYPERGOLIC ROCKET PROPELLANTS
...MONOPROPELLANTS
....AEROZINE
...RP-1 ROCKET PROPELLANTS
...SLURRY PROPELLANTS
....SLUSH HYDROGEN
RT AIRCRAFT FUELS
CHLORINE FLUORIDES
FUEL TANK PRESSURIZATION
GASEOUS ROCKET PROPELLANTS
HIGH ENERGY PROPELLANTS
HYBRID PROPELLANTS
HYDRAZINES
HYDROGEN FUELS
LIQUEFIED GASES
LIQUID FUELS
LIQUIDS
NITROGEN TETROXIDE
PROPELLANT SPRAYS
SOLID ROCKET PROPELLANTS
STORABLE PROPELLANTS

LIQUID ROTATION
USE ROTATING LIQUIDS

LIQUID SLOSHING
1202 1204
UF SLOSHING
RT AERODYNAMIC STABILITY
AIRCRAFT STABILITY
BAFFLES
CONTROLLABILITY
FUEL CONTROL
FUEL TANKS
INTERFACE STABILITY
PROPELLANT TANKS
PROPELLANT TRANSFER
ROTATING FLUIDS
SPACECRAFT STABILITY
STORAGE STABILITY
TANK GEOMETRY
ULLAGE

```
LIQUID SODIUM
  0603 1803
  GS   CHEMICAL ELEMENTS
       .ALKALI METALS
       ..SODIUM
       ..#LIQUID SODIUM
       LIQUIDS
       .LIQUID METALS
       .#LIQUID SODIUM
       METALS
       .ALKALI METALS
       ..SODIUM
       ..#LIQUID SODIUM
       .LIQUID METALS
       .#LIQUID SODIUM

LIQUID SURFACES
  1202 2311
  GS  #LIQUID SURFACES
       .MENISCI
  RT   FLUID BOUNDARIES
       FREE BOUNDARIES
       INTERFACIAL TENSION
       JET BOUNDARIES
       SOLID SURFACES
       SURFACE WAVES
     % SURFACES

LIQUID WASTES
  GS   WASTES
       #LIQUID WASTES
       ..URINE
       ..WASTE WATER
  RT   DRAINAGE
       EFFLUENTS
       HUMAN WASTES
       INDUSTRIAL WASTES
       METABOLIC WASTES
       PONDS
       SEWAGE
       SLUDGE
       SOLID WASTES

LIQUID-GAS MIXTURES
  0603 1202 1203
  GS   MIXTURES
       .DISPERSIONS
       .#LIQUID-GAS MIXTURES
       ...AEROSOLS
       ....FOG
  RT   AIR WATER INTERACTIONS
       BINARY MIXTURES
       GAS MIXTURES
       MENISCI
       SOLUBILITY
       VAPOR PHASES
       VAPOR PRESSURE

LIQUID-LIQUID INTERFACES
  0603 1202 1204
  GS   BOUNDARIES
       .FLUID BOUNDARIES
       .#LIQUID-LIQUID INTERFACES
       INTERFACES
       .FLUID BOUNDARIES
       .#LIQUID-LIQUID INTERFACES
  RT   BOUNDARY LAYERS
       FREE BOUNDARIES
       HEAT TRANSFER
       INTERFACE STABILITY
       INTERFACIAL ENERGY
       INTERFACIAL TENSION
       PRESSURE GRADIENTS
       SOLUBILITY

LIQUID-SOLID INTERFACES
  0603 1202 2308
  GS   BOUNDARIES
       .FLUID BOUNDARIES
       .#LIQUID-SOLID INTERFACES
       INTERFACES
       .FLUID BOUNDARIES
       .#LIQUID-SOLID INTERFACES
  RT   BOUNDARY LAYERS
       FLUID FILMS
       FLUID-SOLID INTERACTIONS
     % FUSION
       HEAT TRANSFER
       INTERFACE STABILITY
       LIQUID BRIDGES
       MELTING
       MENISCI
       METAL SURFACES
       PHASE CHANGE MATERIALS
       SOLID PHASES
       SOLID-SOLID INTERFACES
       SQUEEZE FILMS

LIQUID-VAPOR EQUILIBRIUM
  0602 0603
  UF   VAPOR LIQUID EQUILIBRIUM
  RT % EQUILIBRIUM
       THERMODYNAMIC EQUILIBRIUM
       VAPORS

LIQUID-VAPOR INTERFACES
  0603 1202 1203
  GS   BOUNDARIES
       .FLUID BOUNDARIES
       .#LIQUID-VAPOR INTERFACES
       INTERFACES
       .FLUID BOUNDARIES
       .#LIQUID-VAPOR INTERFACES
  RT   AIR WATER INTERACTIONS
       EVAPORATION
       FREE BOUNDARIES
       HEAT TRANSFER
       INTERFACE STABILITY
       MENISCI
       PRESSURE GRADIENTS
       SOLUBILITY
       VAPOR PHASES
       VAPOR PRESSURE

LIQUIDS
  0603 1202 1704 1805 2311 2701 2804
  GS  #LIQUIDS
       .CRYOGENIC FLUIDS
       ..FERMI LIQUIDS
       ..FLOX
       ..LIQUID HELIUM
       ...LIQUID HELIUM 2
       ..LIQUID HYDROGEN
       ..LIQUID NITROGEN
       ..LIQUID OXYGEN
       .FERROFLUIDS
       .HYDRAULIC FLUIDS
       ..SKYDROL (TRADEMARK)
       .JUICES
       .LIQUEFIED GASES
       ..LIQUEFIED NATURAL GAS
       ..LIQUID AIR
       ..LIQUID AMMONIA
       ..LIQUID FLUORINE
       ..LIQUID HELIUM
       ...LIQUID HELIUM 2
       ..LIQUID HYDROGEN
       ..LIQUID NEON
       ..LIQUID NITROGEN
       ..LIQUID OXYGEN
       .LIQUID METALS
       ..LIQUID LITHIUM
       ..LIQUID POTASSIUM
       ..LIQUID SODIUM
       ..MERCURY (METAL)
       ...MERCURY VAPOR
       .LIQUID OXIDIZERS
       .ORGANIC LIQUIDS
       .POTABLE LIQUIDS
       ..BEVERAGES
       ...WINES
       ..POTABLE WATER
       .ROTATING LIQUIDS
  RT % FLUIDS
       GLOBULES
```

```
        GLYCEROLS
        LIQUID FUELS
        LIQUID PHASES
        LIQUID ROCKET PROPELLANTS
        NONPOINT SOURCES
        PHASE DIAGRAMS
        VAPOR PHASES
        WATER

LIQUIDUS
  1701 3304
  RT    CRYSTALLIZATION
        LIQUID PHASES
        MELTING POINTS
        PHASE DIAGRAMS
        SOLID PHASES
        SOLID SOLUTIONS
        SOLIDUS

LIRTS (TELESCOPE)
  1412 3001
  UF    LARGE INFRARED TELESCOPE ON
        SPACELAB
  GS    TELESCOPES
        .SPACEBORNE TELESCOPES
        .#LIRTS (TELESCOPE)
  RT    EUROPEAN SPACE AGENCY
        PAYLOADS
        SPACE SHUTTLES
        SPACELAB

LISP (PROGRAMMING LANGUAGE)
  0802 1902
  GS    LANGUAGES
        .PROGRAMMING LANGUAGES
        .#LISP (PROGRAMMING LANGUAGE)
  RT    COMPUTER PROGRAMMING
        RECURSIVE FUNCTIONS

LISSAJOUS FIGURES
  1902 3009
  RT    ECCENTRIC ORBITS
        EQUATIONS OF MOTION
        LIBRATION
        LUNAR ORBITS
        SATELLITE ORBITS

LISTS
  0802 0803 1303 3405 3406
  GS   #LISTS
        .HARDWARE UTILIZATION LISTS
  RT % CATALOGS
        DISPLAY DEVICES
        ENUMERATION
        INDEXES (DOCUMENTATION)
        PRINTOUTS

LITERATURE
  3402 3403 3405
  GS   #LITERATURE
        .BIOGRAPHY
        .DOCUMENTATION
  RT    BIBLIOGRAPHIES
        DOCUMENTS
        INDEXES (DOCUMENTATION)
        KNOWLEDGE
        LIBRARIES
        PAPERS
        PHILOSOPHY

LITHERGOL ROCKET ENGINES
  2806 2808 2809
  GS    ENGINES
        .ROCKET ENGINES
        ..HYBRID PROPELLANT ROCKET ENGINES
        ..#LITHERGOL ROCKET ENGINES

LITHERGOLIC PROPELLANTS
  USE   HYBRID PROPELLANTS

LITHIASIS
  0405 0408
  GS    DISEASES
        #LITHIASIS
  RT    CALCULI
        DENTAL CALCULI

LITHIUM
  1703
  GS    CHEMICAL ELEMENTS
        .ALKALI METALS
        .#LITHIUM
        ...LIQUID LITHIUM
        ...LITHIUM ISOTOPES
        METALS
        .ALKALI METALS
        .#LITHIUM
        ...LIQUID LITHIUM
        ...LITHIUM ISOTOPES

LITHIUM ALLOYS
  0603 1701
  GS    ALLOYS
        #LITHIUM ALLOYS
        ..ALUMINUM-LITHIUM ALLOYS
  RT    AIRCRAFT CONSTRUCTION MATERIALS
        ALUMINUM ALLOYS
        COPPER ALLOYS
        MAGNESIUM ALLOYS
        ZIRCONIUM ALLOYS

LITHIUM ALUMINUM HYDRIDES
  0603 1804
  GS    ALUMINUM COMPOUNDS
        #LITHIUM ALUMINUM HYDRIDES
        HYDROGEN COMPOUNDS
        .HYDRIDES
        ..METAL HYDRIDES
        ...LITHIUM HYDRIDES
        ...#LITHIUM ALUMINUM HYDRIDES
        LITHIUM COMPOUNDS
        .LITHIUM HYDRIDES
        .#LITHIUM ALUMINUM HYDRIDES
  RT    POWDERED ALUMINUM

LITHIUM BORATES
  0603 1804
  GS    BORON COMPOUNDS
        .BORATES
        .#LITHIUM BORATES
        LITHIUM COMPOUNDS
        #LITHIUM BORATES

LITHIUM CHLORIDES
  0603 1804
  GS    HALOGEN COMPOUNDS
        .CHLORINE COMPOUNDS
        ..CHLORIDES
        ..#LITHIUM CHLORIDES
        .HALIDES
        ..CHLORIDES
        ..#LITHIUM CHLORIDES
        ..METAL HALIDES
        ..#LITHIUM CHLORIDES
        LITHIUM COMPOUNDS
        #LITHIUM CHLORIDES

LITHIUM COMPOUNDS
  0603 1804
  GS   #LITHIUM COMPOUNDS
        .LITHIUM BORATES
        .LITHIUM CHLORIDES
        .LITHIUM FLUORIDES
        .LITHIUM HYDRIDES
        ..LITHIUM ALUMINUM HYDRIDES
        .LITHIUM HYDROXIDES
        .LITHIUM IODATES
        .LITHIUM NIOBATES
        .LITHIUM OXIDES
        .LITHIUM PERCHLORATES
        .LITHIUM SULFATES
        .ORGANIC LITHIUM COMPOUNDS
        .SPODUMENE
  RT % ALKALI METAL COMPOUNDS
     % CHEMICAL COMPOUNDS
```

```
    % METAL COMPOUNDS
      METAL FUELS

LITHIUM COOLED REACTOR EXPERIMENT
  1803 2203 2204
  UF   LCRE REACTOR
  GS   NUCLEAR REACTORS
       .LIQUID COOLED REACTORS
       ..LIQUID METAL COOLED REACTORS
       ..#LITHIUM COOLED REACTOR
          EXPERIMENT

LITHIUM FLUORIDES
  0603 1804
  GS   HALOGEN COMPOUNDS
       .FLUORINE COMPOUNDS
       ..FLUORIDES
       ...METAL FLUORIDES
       ...#LITHIUM FLUORIDES
       LITHIUM COMPOUNDS
       #LITHIUM FLUORIDES

LITHIUM HYDRIDES
  0603 1804
  GS   HYDROGEN COMPOUNDS
       .HYDRIDES
       ..METAL HYDRIDES
       ..#LITHIUM HYDRIDES
       ....LITHIUM ALUMINUM HYDRIDES
       LITHIUM COMPOUNDS
       #LITHIUM HYDRIDES
       ..LITHIUM ALUMINUM HYDRIDES

LITHIUM HYDROXIDES
  0603 1804
  GS   BASES (CHEMICAL)
       .ALKALIES
       .#LITHIUM HYDROXIDES
       HYDROXIDES
       #LITHIUM HYDROXIDES
       LITHIUM COMPOUNDS
       #LITHIUM HYDROXIDES

LITHIUM IODATES
  1703
  GS   HALOGEN COMPOUNDS
       .IODINE COMPOUNDS
       ..IODATES
       ..#LITHIUM IODATES
       LITHIUM COMPOUNDS
       #LITHIUM IODATES
  RT % METAL COMPOUNDS

LITHIUM ISOTOPES
  0603 1703 2406
  UF   LITHIUM 4
       LITHIUM 6
  GS   CHEMICAL ELEMENTS
       .ALKALI METALS
       ..LITHIUM
       ..#LITHIUM ISOTOPES
       .NUCLIDES
       ..ISOTOPES
       ..#LITHIUM ISOTOPES
       METALS
       .ALKALI METALS
       ..LITHIUM
       ..#LITHIUM ISOTOPES

LITHIUM NIOBATES
  0603 1704 1804
  GS   LITHIUM COMPOUNDS
       #LITHIUM NIOBATES
       NIOBIUM COMPOUNDS
       .NIOBATES
       .#LITHIUM NIOBATES

LITHIUM OXIDES
  0603 1804
  GS   CHALCOGENIDES
       .OXIDES
       ..METAL OXIDES
       ..#LITHIUM OXIDES
       LITHIUM COMPOUNDS
       #LITHIUM OXIDES

LITHIUM PERCHLORATES
  0603 1804
  GS   HALOGEN COMPOUNDS
       .CHLORINE COMPOUNDS
       ..PERCHLORATES
       ..#LITHIUM PERCHLORATES
       LITHIUM COMPOUNDS
       #LITHIUM PERCHLORATES

LITHIUM SULFATES
  0603 1804
  GS   LITHIUM COMPOUNDS
       #LITHIUM SULFATES
       SULFUR COMPOUNDS
       .SULFATES
       .#LITHIUM SULFATES

LITHIUM SULFUR BATTERIES
  0904
  GS   ELECTROCHEMICAL CELLS
       .ELECTRIC BATTERIES
       .#LITHIUM SULFUR BATTERIES
  RT % CELLS
     % ELECTRIC CELLS
     % ENERGY SOURCES
     % POWER SUPPLIES

LITHIUM 4
  USE  LITHIUM ISOTOPES

LITHIUM 6
  USE  LITHIUM ISOTOPES

LITHOGRAPHY
  3404
  GS   PRINTING
       #LITHOGRAPHY
       ..PHOTOLITHOGRAPHY
  RT   PHOTOMECHANICAL EFFECT
       REPRODUCTION (COPYING)

LITHOLOGY
  1305 1306 1308 3009
  GS   GEOLOGY
       #LITHOLOGY
  RT   REGOLITH
       ROCKS

LITHOSPHERE
  1304 1305 1306 1308 3001
  UF   GEOSPHERE
  GS  #LITHOSPHERE
       .EARTH CORE
       .EARTH CRUST
       .EARTH MANTLE
       .EARTH SURFACE
  RT   EARTH PLANETARY STRUCTURE
       PLANETARY MANTLES
       PLATES (TECTONICS)
       SUBDUCTION (GEOLOGY)

LITHUANIA
  1305
  RT   EUROPE
       NATIONS

LITTLE JOE 2 LAUNCH VEHICLE
  3103
  GS   LAUNCH VEHICLES
       #LITTLE JOE 2 LAUNCH VEHICLE
       ROCKET VEHICLES
       .MULTISTAGE ROCKET VEHICLES
       .#LITTLE JOE 2 LAUNCH VEHICLE
  RT   ALGOL ENGINE
       MERCURY PROJECT
       SERGEANT MISSILES
       SOLID PROPELLANT ROCKET ENGINES
       TX-354 ENGINE
       XM-33 ENGINE
```

```
LITTLE JOHN ROCKET VEHICLE
  3101 3302 3401
  GS   ROCKET VEHICLES
       .SINGLE STAGE ROCKET VEHICLES
       .#LITTLE JOHN ROCKET VEHICLE
       .SURFACE TO SURFACE ROCKETS
       .#LITTLE JOHN ROCKET VEHICLE
  RT   HERCULES ENGINE
       SOLID PROPELLANT ROCKET ENGINES

LITTORAL CURRENTS
  USE  COASTAL CURRENTS

LITTORAL DRIFT
  1303 1304 1306 1310
  RT   BARS (LANDFORMS)
       BEACHES
       BREAKWATERS
       COASTS
       OCEAN CURRENTS
       SANDS
       SEDIMENTS

LITTORAL TRANSPORT
  1310 2003
  RT   BREAKWATERS
       OCEAN CURRENTS
       SANDS
       WATER WAVES
     % WAVES

LIVER
  0402 0404 0405
  GS   ANATOMY
       #LIVER
  RT   GASTROINTESTINAL SYSTEM
       GLANDS (ANATOMY)
       HEPATITIS
       TYROSINE

LIVERMORE POOL TYPE REACTOR
  2203 2204
  UF   LPTR REACTOR
  GS   NUCLEAR REACTORS
       .NUCLEAR RESEARCH AND TEST REACTORS
       .#LIVERMORE POOL TYPE REACTOR

LIVERWORTS
  USE  BRYOPHYTES

LIVESTOCK
  0402
  GS   ANIMALS
       #LIVESTOCK
  RT   CALVES
       CATTLE
       DEER
       GOATS
       HORSES
       RANGELANDS
       SHEEP
       SWINE
       TURKEYS

LIXISCOPES
  0501 3001
  UF   LOW INTENSITY X RAY IMAGING SCOPES
  GS   MEDICAL EQUIPMENT
       .X RAY APPARATUS
       .#LIXISCOPES
  RT   PORTABLE EQUIPMENT
       RADIOGRAPHY
       X RAY ASTRONOMY
       X RAY IMAGERY

LIZARDS
  0402
  GS   ANIMALS
       .VERTEBRATES
       ..REPTILES
       ..#LIZARDS

LLANOS ORIENTALES (COLOMBIA)
  1305
  GS   LAND
       .GRASSLANDS
       .#LLANOS ORIENTALES (COLOMBIA)
       .PLAINS
       .#LLANOS ORIENTALES (COLOMBIA)
  RT   COLOMBIA

LMCR (REACTORS)
  USE  LIQUID METAL COOLED REACTORS

LMFBR
  USE  LIQUID METAL FAST BREEDER REACTORS

LNG
  USE  LIQUEFIED NATURAL GAS

LOAD CARRYING CAPACITY
  3203 3204
  SN   (LIMITED TO STRUCTURAL MECHANICS)
  GS   MECHANICAL PROPERTIES
       .YIELD STRENGTH
       .#LOAD CARRYING CAPACITY
  RT   COMPRESSIVE STRENGTH
       CREEP STRENGTH
       CRITICAL LOADING
       FRACTURE STRENGTH
       LOADS (FORCES)
     % STRENGTH
       STRUCTURAL FAILURE
       STRUCTURAL STABILITY
       STRUCTURAL STRAIN
       TENSILE STRENGTH

LOAD DISTRIBUTION (FORCES)
  0201 3203
  GS   DISTRIBUTION (PROPERTY)
       #LOAD DISTRIBUTION (FORCES)
  RT % DISTRIBUTION
       TRANSVERSE LOADS

LOAD FACTORS
  USE  LOADS (FORCES)

LOAD TESTING MACHINES
  1106 1108 1110 3501
  RT % MACHINERY
     % TEST EQUIPMENT

LOAD TESTS
  1106 1108 1110 3204 3501
  RT   COMPRESSION TESTS
       CREEP TESTS
       DESTRUCTIVE TESTS
       FATIGUE TESTS
       IMPACT TESTS
       LOADING RATE
       NONDESTRUCTIVE TESTS
       SHOCK TESTS
       SPECIMEN GEOMETRY
       SPIN TESTS
       STATIC TESTS
       TENSILE TESTS
     % TESTS
       VARIABLE AMPLITUDE LOADING

% LOADING
  0101 1704 2308 3201 3203 3407
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  UF   DUMMY LOADS
  RT   FEEDING (SUPPLYING)
       FILLING
       INPUT
       LOADING OPERATIONS
       LOADS (FORCES)
       PAYLOADS
       REFILLING
       REPLENISHMENT
       SHAFTS (MACHINE ELEMENTS)
```

SWEEP EFFECT
VARIABLE AMPLITUDE LOADING

LOADING FORCES
USE LOADS (FORCES)

LOADING MOMENTS
0201 2311 3203
GS MOMENTS
#LOADING MOMENTS
RT AERODYNAMIC LOADS
BENDING MOMENTS
FLEXING
LOADS (FORCES)
MASS DISTRIBUTION
MOMENT DISTRIBUTION
PRESSURE DISTRIBUTION
STATIC LOADS
STRUCTURAL ANALYSIS
TORQUE
TRANSVERSE LOADS

LOADING OPERATIONS
2308 3203
RT FEEDERS
% LOADING
MATERIALS HANDLING
% OPERATIONS
UNLOADING

LOADING RATE
0201 2311 3203
GS RATES (PER TIME)
#LOADING RATE
RT IMPACT LOADS
LOAD TESTS
LOADS (FORCES)
STRAIN RATE
VARIABLE AMPLITUDE LOADING
VELOCITY

LOADING WAVES
USE ELASTIC WAVES
LOADS (FORCES)

LOADS (FORCES)
0902 1001 1002 2308 3203
UF LOAD FACTORS
LOADING FORCES
LOADING WAVES
GS #LOADS (FORCES)
.AXIAL LOADS
..AXIAL COMPRESSION LOADS
.COMPRESSION LOADS
..AXIAL COMPRESSION LOADS
..IMPACT LOADS
.CRITICAL LOADING
.DYNAMIC LOADS
..AERODYNAMIC LOADS
...BLAST LOADS
...GUST LOADS
..CONTACT LOADS
...ROLLING CONTACT LOADS
..CYCLIC LOADS
..THRUST LOADS
..TRANSIENT LOADS
...GUST LOADS
...IMPACT LOADS
...LANDING LOADS
...SHOCK LOADS
....BLAST LOADS
..VARIABLE AMPLITUDE LOADING
..VIBRATORY LOADS
..WING LOADING
.EDGE LOADING
.RANDOM LOADS
..GUST LOADS
.STATIC LOADS
.TRANSVERSE LOADS
RT BALLAST (MASS)
% EQUILIBRIUM
% FORCE
FORCE DISTRIBUTION
HUGONIOT EQUATION OF STATE
LOAD CARRYING CAPACITY
% LOADING
LOADING MOMENTS
LOADING RATE
MASS DISTRIBUTION
% MECHANICS (PHYSICS)
MOMENT DISTRIBUTION
PAYLOADS
PLANE STRESS
PRESSURE
PRESSURE DISTRIBUTION
PRESSURE EFFECTS
SHAFTS (MACHINE ELEMENTS)
SHEARING
STRESS CONCENTRATION
STRESS INTENSITY FACTORS
STRESSES
STRUCTURAL DESIGN CRITERIA
WEIGHT (MASS)
WIND PRESSURE

% LOBES
0701 0710
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT ANTENNA DESIGN
ANTENNA RADIATION PATTERNS
BACKLOBES
SIDELOBES

LOCAL AREA NETWORKS
0902 4001
UF LAN (COMPUTER NETWORKS)
GS COMMUNICATION NETWORKS
#LOCAL AREA NETWORKS
COMPUTER NETWORKS
#LOCAL AREA NETWORKS
RT ARCHITECTURE (COMPUTERS)
DATA TRANSMISSION
INTERPROCESSOR COMMUNICATION
NETWORK CONTROL
PROTOCOL (COMPUTERS)
VSAT (NETWORK)

LOCAL GROUP (ASTRONOMY)
3001
GS CELESTIAL BODIES
.GALAXIES
..GALACTIC CLUSTERS
..#LOCAL GROUP (ASTRONOMY)
RT ANDROMEDA GALAXY
BARRED GALAXIES
COSMOLOGY
DISK GALAXIES
DWARF GALAXIES
ELLIPTICAL GALAXIES
SOLAR NEIGHBORHOOD
SPIRAL GALAXIES
VIRGO GALACTIC CLUSTER

LOCAL SCIENTIFIC SURVEY MODULE
3004 3007
GS MODULES
#LOCAL SCIENTIFIC SURVEY MODULE
RT INSTRUMENT PACKAGES
LUNAR EXPLORATION
MEASURING INSTRUMENTS

LOCAL THERMODYNAMIC EQUILIBRIUM
3001 3002
UF LTE (ASTRONOMY)
RT STELLAR ATMOSPHERES
STELLAR PHYSICS
THERMODYNAMIC EQUILIBRIUM

LOCALIZATION
USE POSITION (LOCATION)

LOCATES SYSTEM
1904 2102 2104 3006 3107

```
  UF   LOCATION OF AIR TRAFFIC SATELLITES
  RT   AIR TRAFFIC CONTROL
       BEACON SATELLITES
       NAVIGATION SATELLITES
       SATELLITE GUIDANCE
     % SYSTEMS

LOCATION
  USE  POSITION (LOCATION)

LOCATION OF AIR TRAFFIC SATELLITES
  USE  LOCATES SYSTEM

LOCI
  1902
  GS   GEOMETRY
       .EUCLIDEAN GEOMETRY
       ..ANALYTIC GEOMETRY
       ..#LOCI
  RT % CENTERS
       CONICS
       FOCI
       LINE OF SIGHT
       POINTS (MATHEMATICS)
       RESOLUTION

LOCKHEED AIRCRAFT
  0204 0206 0207
  GS  #LOCKHEED AIRCRAFT
       .C-5 AIRCRAFT
       .C-121 AIRCRAFT
       .C-130 AIRCRAFT
       .C-140 AIRCRAFT
       .C-141 AIRCRAFT
       .CL-823 AIRCRAFT
       .EC-121 AIRCRAFT
       .ELECTRA AIRCRAFT
       .F-94 AIRCRAFT
       .F-104 AIRCRAFT
       .L-1011 AIRCRAFT
       .L-2000 AIRCRAFT
       .LOCKHEED MODEL 18 AIRCRAFT
       .P-3 AIRCRAFT
       .SR-71 AIRCRAFT
       .T-33 AIRCRAFT
       .U-2 AIRCRAFT
       .XH-51 HELICOPTER
       .XV-4 AIRCRAFT
  RT % AIRCRAFT

LOCKHEED C-5 AIRCRAFT
  USE  C-5 AIRCRAFT

LOCKHEED CL-595 HELICOPTER
  USE  XH-51 HELICOPTER

LOCKHEED CL-823 AIRCRAFT
  USE  CL-823 AIRCRAFT

LOCKHEED CONSTELLATION AIRCRAFT
  USE  C-121 AIRCRAFT

LOCKHEED L-2000 AIRCRAFT
  USE  L-2000 AIRCRAFT

LOCKHEED MODEL 18 AIRCRAFT
  0204
  GS   LOCKHEED AIRCRAFT
       #LOCKHEED MODEL 18 AIRCRAFT
       MONOPLANES
       #LOCKHEED MODEL 18 AIRCRAFT
       TRANSPORT AIRCRAFT
       #LOCKHEED MODEL 18 AIRCRAFT
  RT % AIRCRAFT

LOCKHEED U-2 AIRCRAFT
  USE  U-2 AIRCRAFT

LOCKHEED XV-4A AIRCRAFT
  USE  XV-4 AIRCRAFT

LOCKHEED 186 HELICOPTER
  USE  XH-51 HELICOPTER

LOCKING
  1504 3407
  UF   INTERLOCKING
  GS  #LOCKING
       .LASER MODE LOCKING
  RT   FASTENERS
     % JOINING
       LOCKS (FASTENERS)
       RETAINING

% LOCKS
  1102 1202 1504
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   AIR LOCKS
       LOCKS (FASTENERS)

LOCKS (FASTENERS)
  1504
  GS   FASTENERS
       #LOCKS (FASTENERS)
  RT   LOCKING
     % LOCKS

LOCOMOTION
  0402 0408 0506 0508
  UF   MOTILITY
  GS  #LOCOMOTION
       .ASTRONAUT LOCOMOTION
       .WALKING
  RT   EXERCISE PHYSIOLOGY
       NAVIGATION
       PROPULSION
       WHEELCHAIRS

LOCOMOTIVES
  1101 1102 1103 1502 3501
  RT   DIESEL ENGINES
       HANDLING EQUIPMENT
       RAIL TRANSPORTATION
       WINDSHIELDS

LOCUSTS
  0402 0404 0411 0404 0411
  GS   ANIMALS
       .INVERTEBRATES
       ..ARTHROPODS
       ...INSECTS
       ...#LOCUSTS
  RT   FARM CROPS
       FOLIAGE
       INFESTATION
       VEGETATION

LOFAR
  0705 1109 1304
  RT   SONAR
       UNDERWATER ACOUSTICS

LOFTI SATELLITES
  USE  LOW FREQUENCY TRANSIONOSPHERIC
       SATELLITES

LOFTING
  0804 1902 3006 3102
  RT   AIRCRAFT DESIGN
       ASCENT TRAJECTORIES
       COMPUTER AIDED DESIGN
       DIFFERENTIAL GEOMETRY
       ENGINEERING DRAWINGS
       MATHEMATICAL MODELS
       SPACECRAFT DESIGN
       STRUCTURAL DESIGN
     % SURFACE GEOMETRY
       TEMPLATES

LOG PERIODIC ANTENNAS
  0701 0710 0901
  GS   ANTENNAS
       .DIRECTIONAL ANTENNAS
```

.#LOG PERIODIC ANTENNAS
RT ANTENNA ARRAYS
ANTENNA DESIGN
BROADBAND
DIPOLE ANTENNAS
% FREQUENCY RESPONSE
PARASITIC ELEMENTS (ANTENNAS)

LOG SPIRAL ANTENNAS
0701 0710 0901
GS ANTENNAS
.SPIRAL ANTENNAS
.#LOG SPIRAL ANTENNAS
RT DIPOLE ANTENNAS

LOGARITHMIC RECEIVERS
0701 0905 2304
GS RECEIVERS
#LOGARITHMIC RECEIVERS
RT COMMUNICATION EQUIPMENT
% FREQUENCY RESPONSE
INTERMEDIATE FREQUENCY AMPLIFIERS
TRANSFER FUNCTIONS

LOGARITHMS
1902
GS ANALYSIS (MATHEMATICS)
.COMPLEX VARIABLES
..EXPONENTIAL FUNCTIONS
..#LOGARITHMS
FUNCTIONS (MATHEMATICS)
.TRANSCENDENTAL FUNCTIONS
..EXPONENTIAL FUNCTIONS
..#LOGARITHMS
RT EXPONENTS

LOGGING (INDUSTRY)
0404
RT FORESTS
TREES (PLANTS)

% LOGIC
0703 0801 0802 0804 1001 1002 1201
1902
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT ARTIFICIAL INTELLIGENCE
AXIOMS
BOOLEAN ALGEBRA
BRANCHING (MATHEMATICS)
COMPLEMENTS (MATHEMATICS)
EXPERT SYSTEMS
FLUID LOGIC
FLUIDICS
FORMALISM
INFORMATION THEORY
LOGIC CIRCUITS
LOGIC DESIGN
MATHEMATICAL LOGIC
PARADOXES
PHILOSOPHY
PREDICATE CALCULUS
PREDICATE LOGIC
% PRINCIPLES
THRESHOLD LOGIC
TRANSISTOR LOGIC

LOGIC CIRCUITS
0902 1201 2304
UF DIGITAL CIRCUITS
LOGIC NETWORKS
GS CIRCUITS
.DIGITAL ELECTRONICS
.#LOGIC CIRCUITS
...THRESHOLD GATES
RT ADDING CIRCUITS
ARCHITECTURE (COMPUTERS)
ARITHMETIC AND LOGIC UNITS
CENTRAL PROCESSING UNITS
COMPUTERS
COUNTING CIRCUITS
DECISIONS
DIGITAL COMPUTERS
FLUID LOGIC
GATES (CIRCUITS)
% LOGIC
LOGICAL ELEMENTS
MATRICES (CIRCUITS)
MULTIPLIERS
MULTIVIBRATORS
NEURAL NETS
PROGRAMMABLE LOGIC DEVICES
% RELAY
SWITCHING CIRCUITS
THRESHOLD LOGIC
TRANSISTOR CIRCUITS
TRANSISTOR LOGIC

LOGIC DESIGN
0802 0902 2304
RT AMPLIFIER DESIGN
ARCHITECTURE (COMPUTERS)
COMPUTER AIDED DESIGN
COMPUTER DESIGN
COMPUTER PROGRAMMING
% DESIGN
DESIGN ANALYSIS
HARDWARE DESCRIPTION LANGUAGES
% LOGIC
LOGIC PROGRAMMING
LOGICAL ELEMENTS
PROGRAMMABLE LOGIC DEVICES
SWITCHING THEORY
TRANSISTOR LOGIC

LOGIC NETWORKS
USE LOGIC CIRCUITS

LOGIC PROGRAMMING
0802
GS COMPUTER PROGRAMMING
#LOGIC PROGRAMMING
RT ARTIFICIAL INTELLIGENCE
EXPERT SYSTEMS
LOGIC DESIGN

LOGIC UNITS
USE ARITHMETIC AND LOGIC UNITS

LOGICAL ELEMENTS
0802
UF DECISION ELEMENTS
RT COMPUTER COMPONENTS
DIGITAL ELECTRONICS
% ELEMENTS
GATES (CIRCUITS)
LOGIC CIRCUITS
LOGIC DESIGN

LOGISTICS
3401 3406
GS #LOGISTICS
.LUNAR LOGISTICS
.SPACE LOGISTICS
RT AIRCRAFT MAINTENANCE
ARMY-NAVY INSTRUMENTATION PROGRAM
COMMAND AND CONTROL
CRANES
DEPLOYMENT
DOWNTIME
% ELECTRIC EQUIPMENT
ENERGY POLICY
% FACILITIES
INVENTORY MANAGEMENT
MAINTENANCE
MATRIX MANAGEMENT
PORTABLE EQUIPMENT
RAPID TRANSIT SYSTEMS
RESOURCE ALLOCATION
RESOURCES
SERVICES
SHIPYARDS
SITE SELECTION
STOCKPILING

% STORAGE
STOWAGE (ONBOARD EQUIPMENT)
TRANSPORTATION
% TRAVEL
UTILITIES

LOGISTICS MANAGEMENT
1502 3401 3406 4001
GS MANAGEMENT
#LOGISTICS MANAGEMENT
..INVENTORY MANAGEMENT
...INVENTORY CONTROLS
RT % FACILITIES
MAINTENANCE
RESOURCES
SERVICES
SPARE PARTS
% STORAGE

LOGISTICS OVER THE SHORE (LOTS) CARRIER
3404 3406
RT MILITARY TECHNOLOGY

LOH HELICOPTER
USE OH-6 HELICOPTER

LOKI ROCKET VEHICLE
2002 2003 3106 3302 3401
GS ROCKET VEHICLES
.SINGLE STAGE ROCKET VEHICLES
.#LOKI ROCKET VEHICLE
.SOUNDING ROCKETS
.#LOKI ROCKET VEHICLE
RT SOLID PROPELLANT ROCKET ENGINES
WASP SOUNDING ROCKET

LOLA (SIMULATOR)
USE LUNAR ORBIT AND LANDING SIMULATORS

LOMONOSOV CURRENT
1203 1301 1302 2001 2003
GS CIRCULATION
.WATER CIRCULATION
..WATER CURRENTS
...OCEAN CURRENTS
...#LOMONOSOV CURRENT
RT ATLANTIC OCEAN
GULF STREAM
TROPICAL REGIONS

LONG DURATION EXPOSURE FACILITY
3009 3109 3409
UF LDEF
GS ARTIFICIAL SATELLITES
.SCIENTIFIC SATELLITES
.#LONG DURATION EXPOSURE FACILITY
LABORATORIES
.SPACE LABORATORIES
.#LONG DURATION EXPOSURE FACILITY
SPACE PLATFORMS
#LONG DURATION EXPOSURE FACILITY
RT SPACEBORNE EXPERIMENTS

LONG DURATION SPACE FLIGHT
3004
UF EXTENDED DURATION SPACE FLIGHT
GS SPACE FLIGHT
#LONG DURATION SPACE FLIGHT
RT DEEP SPACE
EXTRATERRESTRIAL ENVIRONMENTS
% FLIGHT
FLYBY MISSIONS
INTERPLANETARY FLIGHT
INTERSTELLAR TRAVEL
MANNED MARS MISSIONS
MANNED SPACE FLIGHT
% MISSIONS
PLANETARY ENVIRONMENTS
SPACE ADAPTATION SYNDROME

LONG ISLAND (NY)
1305
GS LANDFORMS
.ISLANDS
.#LONG ISLAND (NY)
RT ATLANTIC OCEAN
NEW YORK

LONG PERIOD VARIABLES
USE MIRA VARIABLES

LONG RANGE NAVIGATION
USE LORAN
LORAN D

LONG RANGE WEATHER FORECASTING
1301 1302 2001 2003 2004
GS FORECASTING
.WEATHER FORECASTING
.#LONG RANGE WEATHER FORECASTING
METEOROLOGY
.WEATHER FORECASTING
.#LONG RANGE WEATHER FORECASTING
RT ATMOSPHERIC GENERAL CIRCULATION
MODELS
NUMERICAL WEATHER FORECASTING
STATISTICAL WEATHER FORECASTING

LONG TERM EFFECTS
0401 0408 0507 3006 3204
UF SECULAR PERTURBATION
RT CELESTIAL MECHANICS
CLIMATE
CLOSED ECOLOGICAL SYSTEMS
CYCLES
DURABILITY
% EFFECTS
LIFE (DURABILITY)
LIFE SUPPORT SYSTEMS
ORBIT PERTURBATION
% PERFORMANCE
PERIODIC VARIATIONS
PERTURBATION
STORAGE STABILITY
TIME TEMPERATURE PARAMETER
WEATHER

LONG TERM ZONAL EARTH ENERGY EXPERIMENT
USE LZEEBE SATELLITE

LONG WAVE RADIATION
0710 2003 2402 3001
GS ELECTROMAGNETIC RADIATION
.RADIO WAVES
.#LONG WAVE RADIATION
RT FAR INFRARED RADIATION
MONOCHROMATIC RADIATION
% RADIATION
SHORT WAVE RADIATION
SOLAR RADIATION

LONG WAVES (METEOROLOGY)
USE PLANETARY WAVES

LONGERONS
0201 0202 3203
UF ASTROMASTS
GS STRUCTURAL MEMBERS
#LONGERONS
RT KEELS
REINFORCEMENT (STRUCTURES)
RIBS (SUPPORTS)
STRAKES
STRINGERS
STRUCTURAL STABILITY

% LONGEVITY
0404 3406 3408
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT LIFE (DURABILITY)
LIFE SPAN

LONGITUDE

1303 1305 1902 2103
GS #LONGITUDE
.SOLAR LONGITUDE
RT COORDINATES
GEODETIC COORDINATES
LATITUDE
POSITION (LOCATION)

LONGITUDE MEASUREMENT
1409 2102 2103
RT LATITUDE MEASUREMENT
% MEASUREMENT
NAVIGATION
POSITIONING

LONGITUDINAL CONTROL
0104 0201 1403 2102
UF PITCH ATTITUDE CONTROL
GS ATTITUDE CONTROL
#LONGITUDINAL CONTROL
RT AIRCRAFT CONTROL
ALTITUDE CONTROL
AUTOMATIC CONTROL
% CONTROL
DIRECTIONAL CONTROL
HELICOPTER CONTROL
LATERAL CONTROL
MANUAL CONTROL
MISSILE CONTROL
PILOT INDUCED OSCILLATION
PITCH (INCLINATION)
SATELLITE ATTITUDE CONTROL
SATELLITE CONTROL

LONGITUDINAL STABILITY
0201 1403 2102
GS DYNAMIC CHARACTERISTICS
.DYNAMIC STABILITY
..MOTION STABILITY
...ATTITUDE STABILITY
...#LONGITUDINAL STABILITY
STABILITY
.DYNAMIC STABILITY
..MOTION STABILITY
...ATTITUDE STABILITY
...#LONGITUDINAL STABILITY
RT AERODYNAMIC STABILITY
AIRCRAFT STABILITY
DIRECTIONAL STABILITY
FLOW STABILITY
HOVERING STABILITY
LATERAL STABILITY
PITCH (INCLINATION)
PITCHING MOMENTS
POGO EFFECTS
ROTARY STABILITY
SPACECRAFT STABILITY

LONGITUDINAL WAVES
1202 2308 2311 2402 2403
GS #LONGITUDINAL WAVES
.PLANE WAVES
RT BEAMS (RADIATION)
DILATATIONAL WAVES
ELASTIC WAVES
ELECTROSTATIC WAVES
FREQUENCIES
NORMAL SHOCK WAVES
% RADIATION
SEISMIC WAVES
SHOCK WAVES
SOLAR RADIATION
SOUND WAVES
TRANSVERSE WAVES
WAVE PACKETS
WAVELENGTHS
% WAVES

LONGSHORE CURRENTS
USE COASTAL CURRENTS

LOOK ANGLES (ELECTRONICS)
1901
GS GEOMETRY
.EUCLIDEAN GEOMETRY
..ANGLES (GEOMETRY)
..#LOOK ANGLES (ELECTRONICS)
RT ALIGNMENT
DIRECTIVITY
INSTALLING
INSTRUMENT ORIENTATION
OPTICAL EQUIPMENT
POSITIONING
RADAR EQUIPMENT

LOOK ANGLES (TRACKING)
3001
GS GEOMETRY
.EUCLIDEAN GEOMETRY
..ANGLES (GEOMETRY)
..#LOOK ANGLES (TRACKING)
RT AZIMUTH
ELEVATION ANGLE
FIELD OF VIEW

LOOP ANTENNAS
0701 0901 2402
GS ANTENNAS
.DIRECTIONAL ANTENNAS
.#LOOP ANTENNAS
RT AIRCRAFT ANTENNAS
LOOPS
MONOPOLE ANTENNAS

LOOP TRANSFER FUNCTIONS
1003
GS FUNCTIONS (MATHEMATICS)
.TRANSFER FUNCTIONS
.#LOOP TRANSFER FUNCTIONS
RT CONTROL SYSTEMS DESIGN
FEEDBACK CONTROL
LOOP TRANSFER RECOVERY

LOOP TRANSFER RECOVERY
1003
RT COMPENSATORS
CONTROL STABILITY
CONTROL SYSTEMS DESIGN
CONTROL THEORY
ERROR SIGNALS
FEEDBACK CONTROL
LOOP TRANSFER FUNCTIONS
% RECOVERY
SYSTEMS STABILITY

LOOPS
0702 0703 0710 0802 0804 0901 1003
GS #LOOPS
.CORROSION TEST LOOPS
RT CIRCUITS
CLOSED CYCLES
LOOP ANTENNAS
TORUSES
TRUSSES

LOR (RENDEZVOUS)
USE LUNAR ORBITAL RENDEZVOUS

LORAC NAVIGATION SYSTEM
2103
GS NAVIGATION
.RADIO NAVIGATION
..HYPERBOLIC NAVIGATION
..#LORAC NAVIGATION SYSTEM
RT DISTANCE MEASURING EQUIPMENT
NAVIGATION AIDS
NAVIGATION INSTRUMENTS
SURFACE NAVIGATION
% SYSTEMS

LORAN
0702 0706 0707 2102 2103
UF LONG RANGE NAVIGATION
GS NAVIGATION
.RADIO NAVIGATION

..HYPERBOLIC NAVIGATION
..#LORAN
....LORAN C
....LORAN D
RT AIR NAVIGATION
DECCA NAVIGATION
DISTANCE MEASURING EQUIPMENT
NAVIGATION AIDS
NAVIGATION INSTRUMENTS
POLAR NAVIGATION
SOLAR COMPASSES
SURFACE NAVIGATION
SURVEYS

LORAN C
0702 2102 2103
GS NAVIGATION
.RADIO NAVIGATION
..HYPERBOLIC NAVIGATION
...LORAN
...#LORAN C
RT AIR NAVIGATION
DECCA NAVIGATION
NAVIGATION AIDS

LORAN D
0702 2102 2103
UF LONG RANGE NAVIGATION
GS NAVIGATION
.RADIO NAVIGATION
..HYPERBOLIC NAVIGATION
...LORAN
...#LORAN D
RT AIR NAVIGATION
DECCA NAVIGATION
NAVIGATION AIDS

LORENTZ CONTRACTION
1902 2311
UF FITZGERALD-LORENTZ CONTRACTION
RT RELATIVITY

LORENTZ FORCE
2307 2403
RT CHARGED PARTICLES
% FORCE
MAGNETIC FIELDS
PONDEROMOTIVE FORCES

LORENTZ GAS
0603 2311
GS GASES
.IONIZED GASES
.#LORENTZ GAS
PARTICLES
.CHARGED PARTICLES
..IONIZED GASES
..#LORENTZ GAS
RT GAS DYNAMICS
KINETIC THEORY

LORENTZ TRANSFORMATIONS
1902 2311 2402
GS FUNCTIONS (MATHEMATICS)
#LORENTZ TRANSFORMATIONS
RT DIRAC EQUATION
INVARIANCE
MANDELSTAM REPRESENTATION

LORV
USE LOW OBSERVABLE REENTRY VEHICLES

LOS ALAMOS MOLTEN PLUTONIUM REACTOR
2203 2204
GS NUCLEAR REACTORS
.LIQUID COOLED REACTORS
..LIQUID METAL COOLED REACTORS
..#LOS ALAMOS MOLTEN PLUTONIUM REACTOR
.NUCLEAR RESEARCH AND TEST REACTORS
.#LOS ALAMOS MOLTEN PLUTONIUM REACTOR

LOS ALAMOS TURRET REACTOR
USE HIGH TEMPERATURE NUCLEAR REACTORS

LOS ALAMOS WATER BOILER REACTOR
2203 2204
GS NUCLEAR REACTORS
.LIQUID COOLED REACTORS
..WATER COOLED REACTORS
...BOILING WATER REACTORS
...#LOS ALAMOS WATER BOILER REACTOR

LOSS OF COOLANT
0502 1803
UF COOLANT LOSS
GS ACCIDENTS
#LOSS OF COOLANT
RT COOLANTS
LEAKAGE
LOSSES
NUCLEAR REACTORS
REACTOR MATERIALS

LOSSES
0702 0705 0710 0901 1003
RT AUDITORY DEFECTS
COMMERCE
DAMAGE
DEPLETION
EDDY CURRENTS
ENERGY DISSIPATION
IMPAIRMENT
INSERTION LOSS
LEAKAGE
LEGAL LIABILITY
LIABILITIES
LOSS OF COOLANT
OHMIC DISSIPATION
PLASMA LOSS
SEEPAGE
TRANSMISSION LOSS
WASTES
WATER LOSS
YIELD

LOSSLESS EQUIPMENT
2304 2307 2311 3408
RT LOSSLESS MATERIALS

LOSSLESS MATERIALS
2304 2307 2311 3408
GS DIELECTRICS
#LOSSLESS MATERIALS
RT LOSSLESS EQUIPMENT
% MATERIALS

LOSSY MEDIA
0702
RT ELECTROMAGNETIC WAVE TRANSMISSION
IONOSPHERIC PROPAGATION
TRANSMISSION LOSS
WAVE PROPAGATION

LOST WAX PROCESS
USE INVESTMENT CASTING

LOTS CARGO SHIPS
USE CARGO SHIPS

LOUDNESS
0408 0506 2301
RT ACOUSTICS
EFFECTIVE PERCEIVED NOISE LEVELS
FLUX DENSITY
HEARING
% INTENSITY
LEVEL (QUANTITY)
NOISE (SOUND)
NOISE MEASUREMENT
NOISE REDUCTION
POWER SPECTRA
SOUND INTENSITY
SOUND PRESSURE

```
      SOUND WAVES

LOUDSPEAKERS
  0506 0904 2301
  GS   AUDIO EQUIPMENT
       #LOUDSPEAKERS
       TRANSDUCERS
       .SOUND TRANSDUCERS
       ..ELECTROACOUSTIC TRANSDUCERS
       ..#LOUDSPEAKERS
  RT   MONAURAL SIGNALS
       RADIO RECEIVERS
       SOUND GENERATORS

LOUISIANA
  1305
  GS   NATIONS
       .UNITED STATES
       .#LOUISIANA
  RT   ATCHAFALAYA RIVER BASIN (LA)
       GULF OF MEXICO
       LAKE PONTCHARTRAIN (LA)
       MISSISSIPPI DELTA (LA)

% LOUNGES
  0504 1101 1102
  SN   (USE OF A MORE SPECIFIC TERM IS
       RECOMMENDED--CONSULT THE TERMS
       LISTED BELOW)
  RT   MOBILE LOUNGES
       ROOMS
       SEATS

LOUVERS
  0202 1504 2806 3303 3501
  RT   APERTURES
       BAFFLES
     % DIFFUSERS
     % SCREENING
       SHADES
       SHIELDING
     % SHUTTERS
       SLOTS
       VENTS

LOVE WAVES
  1304 1308
  GS   ELASTIC WAVES
       .SEISMIC WAVES
       .#LOVE WAVES
  RT   SURFACE WAVES

LOW ALLOY STEELS
  USE  HIGH STRENGTH STEELS

LOW ALTITUDE
  0203 1301
  GS   ALTITUDE
       #LOW ALTITUDE
  RT   ELEVATION
       LOWER ATMOSPHERE
       MIDALTITUDE
       NAP-OF-THE-EARTH NAVIGATION

LOW ASPECT RATIO
  0101 0102 0201
  GS   RATIOS
       .ASPECT RATIO
       .#LOW ASPECT RATIO

LOW ASPECT RATIO WINGS
  0101 0102 0104 0201
  UF   DIAMOND WINGS
  GS   AIRFOILS
       .WINGS
       .#LOW ASPECT RATIO WINGS
       ...DELTA WINGS
       ...TRAPEZOIDAL WINGS
  RT   CRUCIFORM WINGS
       FIXED WINGS
       RIGID WINGS
       WING PLANFORMS

LOW CARBON STEELS
  1701
  GS   ALLOYS
       .IRON ALLOYS
       ..STEELS
       ...CARBON STEELS
       ...#LOW CARBON STEELS
  RT   IRON

LOW CONCENTRATIONS
  0603
  GS   COMPOSITION (PROPERTY)
       .CONCENTRATION (COMPOSITION)
       .#LOW CONCENTRATIONS
  RT   DILUTION

LOW CONDUCTIVITY
  2302 2304
  RT   ELECTRIC CURRENT
       ELECTRICAL RESISTIVITY
       TRANSCONDUCTANCE

LOW COST
  3402 3406
  GS   COSTS
       #LOW COST
  RT   ECONOMY

LOW CURRENTS
  1001 2302 2304
  GS   ELECTRIC CURRENT
       #LOW CURRENTS
  RT   LOW VOLTAGE
       PLASMA CURRENTS

LOW DENSITY FLOW
  1203 2304 2404 3501
  RT % FLOW
       FLUID DYNAMICS
       MOLECULAR FLOW
       RAREFIED GAS DYNAMICS
       RAREFIED GASES

LOW DENSITY GASES
  USE  RAREFIED GASES

LOW DENSITY MATERIALS
  0604 1704 1801
  RT   ABSORBENTS
       ABSORBERS (MATERIALS)
       FOAMS
       GRANULAR MATERIALS
       HONEYCOMB CORES
       HONEYCOMB STRUCTURES
       LIGHT ELEMENTS
     % MATERIALS
       POLYURETHANE FOAM
       POROUS MATERIALS
       POROUS PLATES
       POWDER METALLURGY

LOW DENSITY RESEARCH
  1106 1107 2311
  GS   RESEARCH
       #LOW DENSITY RESEARCH
  RT   BLOWDOWN WIND TUNNELS
       COLLISIONLESS PLASMAS
       COMPOSITE MATERIALS
       EPOXY MATRIX COMPOSITES
       NONUNIFORM PLASMAS
       PLASMAS (PHYSICS)
       RAREFIED GASES
       SHOCK TUBES
       SHOCK TUNNELS
       SHOCK WAVE LUMINESCENCE
       ULTRAHIGH VACUUM
       VACUUM APPARATUS

LOW DENSITY WIND TUNNELS
  1110 1203 3501
  GS   TEST FACILITIES
       .WIND TUNNELS
```

.#LOW DENSITY WIND TUNNELS
RT HYPERSONIC WIND TUNNELS
HYPERVELOCITY WIND TUNNELS
PLASMA JETS
RAREFIED GAS DYNAMICS
SHOCK TUBES
SHOCK TUNNELS
SLIP FLOW
SUPERSONIC WIND TUNNELS

LOW EARTH ORBITAL ENVIRONMENTS
USE EARTH ORBITAL ENVIRONMENTS

LOW FREQUENCIES
0702 0710 2311 2402 0705 0709 0905
1002
SN (30 TO 300 KHZ)
GS FREQUENCIES
.RADIO FREQUENCIES
.#LOW FREQUENCIES
...VERY LOW FREQUENCIES
RT EXTREMELY LOW FREQUENCIES
INTERMEDIATE FREQUENCIES

LOW FREQUENCY BANDS
0705 0710 2402
GS FREQUENCIES
.RADIO FREQUENCIES
.#LOW FREQUENCY BANDS
...VERY LOW FREQUENCIES
RT % BANDS
HIGH FREQUENCIES
ULTRAHIGH FREQUENCIES
VERY HIGH FREQUENCIES

LOW FREQUENCY TRANSIONOSPHERIC SATELLITES
0706 3107
UF LOFTI SATELLITES
GS ARTIFICIAL SATELLITES
.COMMUNICATION SATELLITES
.#LOW FREQUENCY TRANSIONOSPHERIC
SATELLITES

LOW GRAVITY
USE MICROGRAVITY

LOW GRAVITY MANUFACTURING
1309 1504 3404 3407
GS MANUFACTURING
#LOW GRAVITY MANUFACTURING
RT CONTAINERLESS MELTS
DROP TOWERS
FABRICATION
LEVITATION MELTING
LIQUID BRIDGES
MARANGONI CONVECTION
METAL FOAMS
MICROGRAVITY
% MICROGRAVITY APPLICATIONS
SPACE MANUFACTURING
SPACE PROCESSING
SPACE TOOLS
TECHNOLOGIES

LOW INTENSITY X RAY IMAGING SCOPES
USE LIXISCOPES

LOW LATITUDES
USE TROPICAL REGIONS

LOW LEVEL TURBULENCE
0101 1202 1203 2311
GS TURBULENCE
.ATMOSPHERIC TURBULENCE
.#LOW LEVEL TURBULENCE
RT HOMOGENEOUS TURBULENCE

LOW MASS
USE MASS

LOW MOLECULAR WEIGHTS
0603 2401 2404
GS MOLECULAR WEIGHT
#LOW MOLECULAR WEIGHTS
RT DIATOMIC MOLECULES
MOLECULES
MONATOMIC MOLECULES
WEIGHT (MASS)

LOW NOISE
0408 0704 2301
RT PREAMPLIFIERS
SIGNAL TO NOISE RATIOS

LOW OBSERVABLE REENTRY VEHICLES
0709 3105 3110 3501
UF LORV
GS REENTRY VEHICLES
#LOW OBSERVABLE REENTRY VEHICLES
RT RADAR CROSS SECTIONS
REENTRY
REENTRY PHYSICS
% VEHICLES

LOW PASS FILTERS
0903 0904 2402
RT BANDSTOP FILTERS
ELECTRIC FILTERS
ELECTROMAGNETIC WAVE FILTERS
% FILTERS
MICROWAVE FILTERS
OPTICAL FILTERS

LOW PRESSURE
1202 1203 1408 3501
GS PRESSURE
#LOW PRESSURE
..HIGH ALTITUDE PRESSURE
RT ALTITUDE TOLERANCE
CYCLOGENESIS
CYCLONES
% DEPRESSION
HIGH ALTITUDE ENVIRONMENTS
HIGH PRESSURE
HYPOBARIC ATMOSPHERES
TROUGHS
VACUUM

LOW PRESSURE CHAMBERS
USE VACUUM CHAMBERS

% LOW RESISTANCE
0101 1001 1202 2304 2311 3303 3408
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED--CONSULT THE TERMS
LISTED BELOW)
RT CHEMICAL PROPERTIES
ELECTRICAL RESISTANCE
FLOW RESISTANCE
MECHANICAL PROPERTIES
% RESISTANCE
THERMAL RESISTANCE
TRANSCONDUCTANCE

LOW REYNOLDS NUMBER
0101
SN (RN BELOW 2,000)
GS RATIOS
.DIMENSIONLESS NUMBERS
..REYNOLDS NUMBER
..#LOW REYNOLDS NUMBER
RT HIGH REYNOLDS NUMBER
LAMINAR FLOW
VISCOSITY

LOW SPEED
0101 1202 2311
UF LOW VELOCITY
GS RATES (PER TIME)
#LOW SPEED
VELOCITY
#LOW SPEED
RT AIRSPEED
FLOW VELOCITY
GROUND SPEED

LANDING SPEED
SUBSONIC SPEED

LOW SPEED STABILITY
0101 0201 2102
GS DYNAMIC CHARACTERISTICS
.DYNAMIC STABILITY
..MOTION STABILITY
..#LOW SPEED STABILITY
STABILITY
.DYNAMIC STABILITY
..MOTION STABILITY
..#LOW SPEED STABILITY
RT AERODYNAMIC STABILITY
AERODYNAMIC STALLING
AIRCRAFT STABILITY
ATTITUDE STABILITY
CONTROLLABILITY
DYNAMIC TESTS
FLIGHT CHARACTERISTICS
FLOW STABILITY
HOVERING STABILITY
SPACECRAFT STABILITY

LOW SPEED WIND TUNNELS
0101 1110 1203 3501
GS TEST FACILITIES
.WIND TUNNELS
.#LOW SPEED WIND TUNNELS
...SUBSONIC WIND TUNNELS
RT BLOWDOWN WIND TUNNELS

LOW TEMPERATURE
1408 2502 3304 3501
GS TEMPERATURE
#LOW TEMPERATURE
..CRYOGENIC TEMPERATURE
RT BAY ICE
COOLING
CRYOGENICS
FREEZING
FROST
FROST DAMAGE
ICE FORMATION
MAGNETIC COOLING
PRESSURE ICE
REFRIGERATING

LOW TEMPERATURE BRAZING
1507 1704 3404
GS WELDING
.FUSION WELDING
..GAS WELDING
...BRAZING
...#LOW TEMPERATURE BRAZING
RT SOLDERING

LOW TEMPERATURE ENVIRONMENTS
0401 0408 0504 0507 0508
GS ENVIRONMENTS
#LOW TEMPERATURE ENVIRONMENTS
RT COLD STRENGTH
COLD WEATHER
HIGH ALTITUDE ENVIRONMENTS
LUNAR TEMPERATURE
MAGNETIC COOLING
MOUNTAIN INHABITANTS
THERMAL ENVIRONMENTS

LOW TEMPERATURE PHYSICS
1803 2302 2303 2311
RT CRYOCHEMISTRY
CRYOGENICS
HIGH TEMPERATURE SUPERCONDUCTORS
KONDO EFFECT
% PHYSICS
% SCIENCE
SOLIDIFIED GASES
SUPERCONDUCTING POWER TRANSMISSION
SUPERCONDUCTIVITY
YBCO SUPERCONDUCTORS

LOW TEMPERATURE PLASMAS
USE COLD PLASMAS

LOW TEMPERATURE TESTS
1108 2303 3501
GS ENVIRONMENTAL TESTS
#LOW TEMPERATURE TESTS
RT CHEMICAL TESTS
COLD STRENGTH
COLD WEATHER TESTS
CRYOSTATS
HARDNESS TESTS
LUBRICANT TESTS
MELTING POINTS
NONDESTRUCTIVE TESTS
QUALITY CONTROL
TEMPERATURE CONTROL
% TESTS
THERMAL EXPANSION
THERMAL STABILITY

LOW THRUST
0201 2801 2808 3006
GS THRUST
#LOW THRUST
..MICROTHRUST
RT HIGH THRUST
JET THRUST
ROCKET THRUST
VARIABLE THRUST

LOW THRUST PROPULSION
0201 2801 2808
GS PROPULSION
#LOW THRUST PROPULSION
..ELECTROMAGNETIC PROPULSION
..ELECTROSTATIC PROPULSION
...ION PROPULSION
..MAN OPERATED PROPULSION SYSTEMS
..PHOTONIC PROPULSION
..PLASMA PROPULSION
..SOLAR PROPULSION
...SOLAR ELECTRIC PROPULSION
...SOLAR THERMAL PROPULSION
RT ELECTRIC PROPULSION
MICROTHRUST
ROCKET THRUST
SPACE STATION PROPULSION
SPACECRAFT PROPULSION
VARIABLE THRUST

LOW TURBULENCE
0201 1110 1202 1203
GS TURBULENCE
#LOW TURBULENCE
RT STEADY FLOW

LOW VACUUM
1506
SN (PRESSURES BETWEEN 3.001 AND 1.0
TORR)
GS PRESSURE
.VACUUM
.#LOW VACUUM
RT HIGH VACUUM

LOW VELOCITY
USE LOW SPEED

LOW VISIBILITY
0408 0502 0506 2003 2102 2310
GS VISIBILITY
#LOW VISIBILITY
RT AIRCRAFT LANDING
ALL-WEATHER LANDING SYSTEMS
HAZARDS
HAZE
INSTRUMENT FLIGHT RULES
LIGHT TRANSMISSION

LOW VOLTAGE
2304
GS POTENTIAL ENERGY

.ELECTRIC POTENTIAL
.#LOW VOLTAGE
RT LOW CURRENTS

LOW VOLUME RAMJET ENGINES
2801 2805
GS ENGINES
.AIR BREATHING ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....RAMJET ENGINES
....#LOW VOLUME RAMJET ENGINES
.INTERNAL COMBUSTION ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....RAMJET ENGINES
....#LOW VOLUME RAMJET ENGINES
.TURBINE ENGINES
..GAS TURBINE ENGINES
...JET ENGINES
....RAMJET ENGINES
....#LOW VOLUME RAMJET ENGINES

LOW WEIGHT
2311 3408
RT GRAVITATION
MICROGRAVITY
WEIGHTLESSNESS

% LOW WING AIRCRAFT
0101 0104 0201
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
RT % AIRCRAFT
AIRCRAFT CONFIGURATIONS
BEECH 99 AIRCRAFT
GENERAL AVIATION AIRCRAFT
HYPERSONIC AIRCRAFT
JET AIRCRAFT
LIGHT AIRCRAFT
MONOPLANES
PASSENGER AIRCRAFT
TAILLESS AIRCRAFT
TRANSPORT AIRCRAFT
TURBOFAN AIRCRAFT
TURBOPROP AIRCRAFT

LOWER ATMOSPHERE
1301 1308 2003 3009
SN (ALTITUDE BELOW ABOUT 50 KM)
GS EARTH ATMOSPHERE
#LOWER ATMOSPHERE
..TROPOSPHERE
...TROPOPAUSE
RT BIOSPHERE
CHEMOSPHERE
HETEROSPHERE
HOMOSPHERE
INTASAT SATELLITE
LACATE (EXPERIMENT)
LOW ALTITUDE
MESOMETEOROLOGY
MIDDLE ATMOSPHERE

LOWER ATMOSPHERIC COMPOSITION EXPERIMENT
USE LACATE (EXPERIMENT)

LOWER BODY NEGATIVE PRESSURE
0402
GS HEMODYNAMICS
#LOWER BODY NEGATIVE PRESSURE
PRESSURE
.BLOOD PRESSURE
.#LOWER BODY NEGATIVE PRESSURE
RT ACCELERATION STRESSES (PHYSIOLOGY)
ARTIFICIAL GRAVITY
CARDIOVASCULAR SYSTEM
GRAVITATIONAL EFFECTS
ORTHOSTATIC TOLERANCE
SPACE FLIGHT STRESS
STRESS (PHYSIOLOGY)
WEIGHTLESSNESS

LOWER CALIFORNIA (MEXICO)
1305
UF BAJA CALIFORNIA
RT MEXICO
NORTH AMERICA

LOWER IONOSPHERE
0710 1302 2003 3009
GS EARTH ATMOSPHERE
.UPPER ATMOSPHERE
..EARTH IONOSPHERE
..#LOWER IONOSPHERE
....D REGION
RT E REGION

LOX (OXYGEN)
USE LIQUID OXYGEN

LOX-HYDROCARBON ROCKET ENGINES
USE OXYGEN-HYDROCARBON ROCKET ENGINES

LOX-HYDROGEN ENGINES
USE HYDROGEN OXYGEN ENGINES

LPTR REACTOR
USE LIVERMORE POOL TYPE REACTOR

LQG CONTROL
USE LINEAR QUADRATIC GAUSSIAN CONTROL

LQR
USE LINEAR QUADRATIC REGULATOR

LR CIRCUITS
USE RL CIRCUITS

LR-62-RM-2 ENGINE
2808
GS ENGINES
.ROCKET ENGINES
..LIQUID PROPELLANT ROCKET ENGINES
..#LR-62-RM-2 ENGINE
RT BULLPUP B MISSILE
BULLPUP MISSILES

LR-87-AJ-5 ENGINE
2808
GS ENGINES
.ROCKET ENGINES
..BOOSTER ROCKET ENGINES
..#LR-87-AJ-5 ENGINE
..LIQUID PROPELLANT ROCKET ENGINES
..#LR-87-AJ-5 ENGINE
RT TITAN 1 ICBM

LR-91-AJ-5 ENGINE
2808
UF XLR-91-AJ-5 ENGINE
GS ENGINES
.ROCKET ENGINES
..LIQUID PROPELLANT ROCKET ENGINES
..#LR-91-AJ-5 ENGINE
RT TITAN ICBM

LR-99 ENGINE
2808
UF YLR-99-RM-1 ENGINE
GS ENGINES
.ROCKET ENGINES
..LIQUID PROPELLANT ROCKET ENGINES
..#LR-99 ENGINE
RT X-15 AIRCRAFT

LRC CIRCUITS
USE RLC CIRCUITS

LRV (VEHICLE)
USE LUNAR ROVING VEHICLES

LSI
USE LARGE SCALE INTEGRATION

```
LSSM
  3004 3104 3110
  UF   LUNAR SURFACE SCIENTIFIC MODULES
  GS   LUNAR SPACECRAFT
       .LUNAR LANDING MODULES
       ..LUNAR MODULE
       ..#LSSM
       MANNED SPACECRAFT
       .LUNAR MODULE
       .#LSSM
       MODULES
       .SPACECRAFT MODULES
       ..LANDING MODULES
       ...LUNAR LANDING MODULES
       ....LUNAR MODULE
       ....#LSSM
       SOFT LANDING SPACECRAFT
       .LANDING MODULES
       ..LUNAR LANDING MODULES
       ...LUNAR MODULE
       ...#LSSM
       SPACECRAFT COMPONENTS
       .SPACECRAFT MODULES
       ..LANDING MODULES
       ...LUNAR LANDING MODULES
       ....LUNAR MODULE
       ....#LSSM
  RT   APOLLO PROJECT
       LUNAR LABORATORIES
     % SURFACES

LST
  USE  HUBBLE SPACE TELESCOPE

LTE (ASTRONOMY)
  USE  LOCAL THERMODYNAMIC EQUILIBRIUM

LTV AIRCRAFT
  USE  LING-TEMCO-VOUGHT AIRCRAFT

LUBRICANT TESTS
  1108 1503 3404 3501
  RT   ENGINE TESTS
       HIGH TEMPERATURE TESTS
       LOW TEMPERATURE TESTS
     % MATERIALS TESTS
     % TESTS
       WEAR RESISTANCE

LUBRICANTS
  1503 1704 1805
  GS  #LUBRICANTS
       .GAS LUBRICANTS
       .HIGH TEMPERATURE LUBRICANTS
       .LUBRICATING OILS
       .SOLID LUBRICANTS
  RT   ADDITIVES
       BOUNDARY LUBRICATION
       GRAPHITE
       GREASES
       KEROGEN
       LIQUID METALS
       LUBRICATION
       LUBRICATION SYSTEMS
       MAINTENANCE
       OILS
       PETROLEUM PRODUCTS
       SQUEEZE FILMS

LUBRICATING OILS
  0603 1503 3404
  GS   LUBRICANTS
       #LUBRICATING OILS
       OILS
       #LUBRICATING OILS
  RT   DETERGENTS
       LUBRICATION
       MINERAL OILS
       PETROLEUM PRODUCTS
       SHALE OIL

LUBRICATION
  1503
  GS  #LUBRICATION
       .BOUNDARY LUBRICATION
       .SELF LUBRICATION
       .SPACECRAFT LUBRICATION
  RT   BEARINGS
       ELASTOHYDRODYNAMICS
       ENGINES
       FRICTION REDUCTION
       GEARS
       IMPREGNATING
       LIQUID BEARINGS
       LUBRICANTS
       LUBRICATING OILS
       LUBRICATION SYSTEMS
       MAINTENANCE
       SELF LUBRICATING MATERIALS
       SLIDING
       TRIBOLOGY

LUBRICATION SYSTEMS
  1503 3404
  RT   AUTOMOBILES
       COOLING SYSTEMS
       INTERNAL COMBUSTION ENGINES
       LUBRICANTS
       LUBRICATION
       PUMPS
     % SYSTEMS

LUCITE (TRADEMARK)
  USE  POLYMETHYL METHACRYLATE

LUDER BANDS
  USE  PLASTIC DEFORMATION
       YIELD POINT

LUDOX (TRADEMARK)
  0603
  GS   REFRACTORY MATERIALS
       #LUDOX (TRADEMARK)
  RT   DENSIFICATION
       HEAT SHIELDING
       REENTRY SHIELDING
       SPACECRAFT CONSTRUCTION MATERIALS
       THERMAL PROTECTION
       TILES

LUGS
  1507
  RT   FASTENERS
       HOLDERS
       STUDS (STRUCTURAL MEMBERS)
       SUPPORTS

LUMBAR REGION
  0404 0402
  GS   ANATOMY
       #LUMBAR REGION
       REGIONS
       #LUMBAR REGION
  RT   HUMAN BODY
       SCIATIC REGION

LUMBERING AREAS
  USE  FORESTS

LUMENS
  2306 2310 2311
  GS   PRESSURE
       .RADIATION PRESSURE
       .#LUMENS
       RATES (PER TIME)
       .FLUX DENSITY
       ..RADIANT FLUX DENSITY
       ..#LUMENS
  RT   LIGHT (VISIBLE RADIATION)
       LUMINANCE
       LUMINESCENCE
       LUMINOSITY
       OPTICAL PROPERTIES
       RADIANCE
```

LUMINAIRES
2306
UF ELECTROLUMINESCENT LAMPS
LAMPS
LIGHT BULBS
LIGHTS
GS LIGHTING EQUIPMENT
#LUMINAIRES
..AIRCRAFT LIGHTS
..AIRPORT LIGHTS
...RUNWAY LIGHTS
..ARC LAMPS
..FLASH LAMPS
...ALKALI VAPOR LAMPS
..MERCURY LAMPS
..QUARTZ LAMPS
..SEARCHLIGHTS
..XENON LAMPS
RT BALLASTS (IMPEDANCES)
BULBS
FIXTURES
% FLARES
% GLOBES
ILLUMINATING
LIGHT (VISIBLE RADIATION)
LIGHT SOURCES
PROJECTORS
VISUAL SIGNALS

LUMINANCE
0605 2306 2310 2903
SN (LIMITED TO EMISSION RATE PER UNIT AREA OF VISIBLE RADIATION)
GS PRESSURE
.RADIATION PRESSURE
..LUMINOUS INTENSITY
..#LUMINANCE
RATES (PER TIME)
.FLUX DENSITY
..RADIANT FLUX DENSITY
...LUMINOUS INTENSITY
...#LUMINANCE
RT BRIGHTNESS
GLARE
ILLUMINANCE
ILLUMINATING
% INTENSITY
IRRADIANCE
LIGHT (VISIBLE RADIATION)
LUMENS
OPTICAL PROPERTIES
PHOTOMETRY
SKY BRIGHTNESS
SOLAR FLUX DENSITY
STELLAR MAGNITUDE

LUMINESCENCE
0603 0605 2306 2310 2903
UF GLOW
NOCTILUCENCE
GS EMISSION
.LIGHT EMISSION
.#LUMINESCENCE
...BIOLUMINESCENCE
...CATHODE GLOW
...CATHODOLUMINESCENCE
...CHEMILUMINESCENCE
...ELECTROLUMINESCENCE
...FLUORESCENCE
....LASER INDUCED FLUORESCENCE
....PHOSPHORESCENCE
....RESONANCE FLUORESCENCE
....X RAY FLUORESCENCE
...LUNAR LUMINESCENCE
...OPTICAL RESONANCE
...PHOTOLUMINESCENCE
....TRIBOLUMINESCENCE
....X RAY FLUORESCENCE
...SHOCK WAVE LUMINESCENCE
...SONOLUMINESCENCE
...SPACECRAFT GLOW
...THERMOLUMINESCENCE
RT AFTERGLOWS
ALKALI VAPOR LAMPS
BRIGHTNESS
ELECTRON-HOLE DROPS
FRAUNHOFER LINE DISCRIMINATORS
% ILLUMINATION
ILLUMINATORS
INCANDESCENCE
LIGHT (VISIBLE RADIATION)
LIGHT EMITTING DIODES
LUMENS
LUMINOSITY
LUMINOUS INTENSITY
NOCTILUCENT CLOUDS
OPTICAL TRANSITION
PLASMA RADIATION
STELLAR LUMINOSITY
STOKES LAW OF RADIATION
VISIBILITY

LUMINESCENT INTENSITY
USE LUMINOUS INTENSITY

LUMINOSITY
0603 0605 2306 2310 2903
GS ELECTROMAGNETIC PROPERTIES
.OPTICAL PROPERTIES
.#LUMINOSITY
...STELLAR LUMINOSITY
RT BRIGHTNESS
EMISSIVITY
EMITTANCE
ILLUMINANCE
INCANDESCENCE
LIGHT (VISIBLE RADIATION)
LUMENS
LUMINESCENCE
MASS TO LIGHT RATIOS
PHOSPHENE
RADIANCE
RADIANT FLUX DENSITY
VISIBILITY

LUMINOUS FLUX DENSITY
USE LUMINOUS INTENSITY

LUMINOUS INTENSITY
0605 2306 2310 2402 3001
SN (LIMITED TO EMISSION OR DETECTION RATE PER UNIT AREA OF VISIBLE RADIATION)
UF LIGHT INTENSITY
LUMINESCENT INTENSITY
LUMINOUS FLUX DENSITY
GS PRESSURE
.RADIATION PRESSURE
.#LUMINOUS INTENSITY
...ILLUMINANCE
...LUMINANCE
RATES (PER TIME)
.FLUX DENSITY
..RADIANT FLUX DENSITY
..#LUMINOUS INTENSITY
....ILLUMINANCE
....LUMINANCE
RT BL LACERTAE OBJECTS
BRIGHTNESS
EMITTANCE
FLUX (RATE)
INCANDESCENCE
% INTENSITY
IRRADIANCE
LIGHT (VISIBLE RADIATION)
LUMINESCENCE
MASS TO LIGHT RATIOS
RADIANCY
SEYFERT GALAXIES
SOLAR FLUX DENSITY
STELLAR MAGNITUDE

LUMPED PARAMETER SYSTEMS
0801

```
  RT   LUMPING
       MATHEMATICAL MODELS
       MATRICES (MATHEMATICS)
     % SYSTEMS

LUMPING
  0602 1504 3407
  RT   AGGLOMERATION
       COAGULATION
       COLLECTION
       COMPOSITION (PROPERTY)
       LUMPED PARAMETER SYSTEMS

LUNA LUNAR PROBES
  USE  LUNIK LUNAR PROBES

LUNAR ALBEDO
  2310 2402 3008
  GS   ALBEDO
       #LUNAR ALBEDO
  RT   ABSORPTANCE
       COSMIC RAY ALBEDO
       EARTH ALBEDO
       OPTICAL PROPERTIES
       SURFACE PROPERTIES

LUNAR ATMOSPHERE
  1105 2003 3004 3008
  UF   LUNAR IONOSPHERE
  GS   ENVIRONMENTS
       .EXTRATERRESTRIAL ENVIRONMENTS
       ..LUNAR ENVIRONMENT
       ..#LUNAR ATMOSPHERE
       ..SATELLITE ATMOSPHERES
       ..#LUNAR ATMOSPHERE
  RT   MOON
       PLANETARY ATMOSPHERES

LUNAR BASED EQUIPMENT
  3004 3404
  GS  #LUNAR BASED EQUIPMENT
       .LUNAR CONSTRUCTION EQUIPMENT
       .LUNAR EXCAVATION EQUIPMENT
       .LUNAR RETROREFLECTORS
  RT % EQUIPMENT
       LUNAR BASES
       LUNAR FLYING VEHICLES
       LUNAR LABORATORIES
       LUNAR LOGISTICS
       LUNAR MINING
       LUNAR SHELTERS
       LUNAR SURFACE VEHICLES

LUNAR BASES
  1105 3004 3007
  GS   SPACE BASES
       #LUNAR BASES
  RT   AEPS
     % ASTRONAUTICS
     % BASES
       LUNAR BASED EQUIPMENT
       LUNAR CONSTRUCTION EQUIPMENT
       LUNAR LABORATORIES
       LUNAR MINING
       MOON
       ORBITING LUNAR STATIONS
       SPACE COLONIES
       STATIONS
       TERRAFORMING

LUNAR CINEMATOGRAPHY
  USE  LUNAR PHOTOGRAPHY

LUNAR COMMUNICATION
  0707 1105
  GS   TELECOMMUNICATION
       .SPACE COMMUNICATION
       .#LUNAR COMMUNICATION
       ...CIRCUMLUNAR COMMUNICATION
  RT   FACSIMILE COMMUNICATION
       INTERPLANETARY COMMUNICATION
       LASERS
       MOON
       OPTICAL COMMUNICATION
       RADAR
       RADIO COMMUNICATION
       SATELLITE COMMUNICATION
       SPACECRAFT COMMUNICATION

LUNAR COMPOSITION
  1411 3004 3007
  GS   COMPOSITION (PROPERTY)
       #LUNAR COMPOSITION
  RT   LUNAR CORE
       MOON
       PRE-IMBRIAN PERIOD
       SELENOLOGY

LUNAR CONSTRUCTION EQUIPMENT
  3004 3404
  GS   LUNAR BASED EQUIPMENT
       #LUNAR CONSTRUCTION EQUIPMENT
  RT   LUNAR BASES
       LUNAR EXCAVATION EQUIPMENT
       LUNAR SHELTERS
       LUNAR SURFACE VEHICLES

LUNAR CORE
  1411 3004 3007
  GS   CORES
       #LUNAR CORE
  RT   LUNAR COMPOSITION
       LUNAR GEOLOGY
       PLANETARY CORES
       SELENOLOGY

LUNAR CRATERS
  3001 3004 3005 3007
  GS   CRATERS
       #LUNAR CRATERS
       ..PTOLEMAEUS CRATER
       ..TYCHO CRATER
  RT   METEORITE CRATERS
       MOON
       PRE-IMBRIAN PERIOD
       SELENOGRAPHY
       SELENOLOGY

LUNAR CRUST
  3004 3007 3008
  GS   CRUSTS
       #LUNAR CRUST
  RT   EARTH CRUST
       MOON
       PLANETARY CRUSTS
       SELENOGRAPHY
       SELENOLOGY

LUNAR DUST
  3001 3004 3007 3008
  GS   PARTICLES
       .DUST
       .#LUNAR DUST
       SOILS
       .LUNAR SOIL
       .#LUNAR DUST
  RT   MOON
       SELENOLOGY

LUNAR ECHOES
  0705 3007 3008
  GS   ECHOES
       #LUNAR ECHOES
       ..LUNAR RADAR ECHOES
  RT   RADIO ECHOES
       SELENOLOGY

LUNAR ECLIPSES
  3001 3006
  GS   ECLIPSES
       #LUNAR ECLIPSES
  RT   MOON
       SELENOLOGY

LUNAR EFFECTS
```

0705 3004 3005
UF LUNAR PERTURBATION
GS #LUNAR EFFECTS
.LUNAR GRAVITATIONAL EFFECTS
.LUNAR TIDES
RT % EFFECTS
ORBIT PERTURBATION
SELENOLOGY

LUNAR ENVIRONMENT
0301 0504 3004
GS ENVIRONMENTS
.EXTRATERRESTRIAL ENVIRONMENTS
.#LUNAR ENVIRONMENT
...LUNAR ATMOSPHERE
RT AEROSPACE ENVIRONMENTS
BIOASTRONAUTICS
EXOBIOLOGY
LIFE SUPPORT SYSTEMS
MOON
PLANETARY ENVIRONMENTS
SELENOLOGY
TERRAFORMING
THERMAL ENVIRONMENTS

LUNAR EQUATOR
1303 1305 3001
GS EQUATORS
#LUNAR EQUATOR
RT INFRARED IMAGERY
RADAR IMAGERY
SELENOLOGY

LUNAR ESCAPE DEVICES
0502 3004 3009
RT ESCAPE CAPSULES
ESCAPE ROCKETS

LUNAR EVOLUTION
1308 3009
GS EVOLUTION (DEVELOPMENT)
#LUNAR EVOLUTION
RT MOON
PRE-IMBRIAN PERIOD
SELENOLOGY
SOLAR SYSTEM EVOLUTION

LUNAR EXCAVATION EQUIPMENT
3004 3404
GS LUNAR BASED EQUIPMENT
#LUNAR EXCAVATION EQUIPMENT
RT % EQUIPMENT
EXCAVATION
LUNAR CONSTRUCTION EQUIPMENT
LUNAR MINING
LUNAR RESOURCES
LUNAR SURFACE VEHICLES
TRACTORS

LUNAR EXPLORATION
3004 3007 1306
GS EXPLORATION
#LUNAR EXPLORATION
RT APOLLO LUNAR EXPERIMENT MODULE
APOLLO LUNAR SURFACE EXPERIMENTS PACKAGE
APOLLO PROJECT
APOLLO 5 FLIGHT
APOLLO 6 FLIGHT
APOLLO 7 FLIGHT
APOLLO 8 FLIGHT
APOLLO 9 FLIGHT
APOLLO 10 FLIGHT
APOLLO 11 FLIGHT
APOLLO 12 FLIGHT
APOLLO 13 FLIGHT
APOLLO 14 FLIGHT
APOLLO 15 FLIGHT
APOLLO 16 FLIGHT
APOLLO 17 FLIGHT
EASEP
EXTRATERRESTRIAL RESOURCES
LOCAL SCIENTIFIC SURVEY MODULE
LUNAR RESOURCES
MOON
SELENOLOGY
SPACE EXPLORATION

LUNAR EXPLORATION SYSTEM FOR APOLLO
0507 1105 3004 3104 3409
UF LESA (LUNAR EXPLORATION SYSTEM)
RT APOLLO PROJECT
APOLLO 5 FLIGHT
APOLLO 6 FLIGHT
APOLLO 7 FLIGHT
APOLLO 8 FLIGHT
APOLLO 9 FLIGHT
APOLLO 10 FLIGHT
APOLLO 11 FLIGHT
APOLLO 12 FLIGHT
APOLLO 13 FLIGHT
APOLLO 14 FLIGHT
APOLLO 15 FLIGHT
APOLLO 16 FLIGHT
APOLLO 17 FLIGHT
% SYSTEMS

LUNAR FAR SIDE
1407 3001 3004
RT LIBRATION
MOON
SELENOLOGY

LUNAR FIGURE
3001 3002 3004
RT SELENOLOGY

LUNAR FLIGHT
1105 3004 3009
GS SPACE FLIGHT
#LUNAR FLIGHT
RT APOLLO 5 FLIGHT
APOLLO 6 FLIGHT
APOLLO 7 FLIGHT
APOLLO 8 FLIGHT
APOLLO 9 FLIGHT
APOLLO 10 FLIGHT
APOLLO 11 FLIGHT
APOLLO 12 FLIGHT
APOLLO 13 FLIGHT
APOLLO 14 FLIGHT
APOLLO 15 FLIGHT
APOLLO 16 FLIGHT
APOLLO 17 FLIGHT
CIRCUMLUNAR TRAJECTORIES
CISLUNAR SPACE
EARTH-MOON TRAJECTORIES
% FLIGHT
FLYBY MISSIONS
MOON-EARTH TRAJECTORIES
ORBITS

LUNAR FLYING VEHICLES
3004
RT % FLIGHT VEHICLES
LIFTING BODIES
LUNAR BASED EQUIPMENT
% VEHICLES

LUNAR GEOLOGY
1306 1308 3001 3004
GS GEOLOGY
#LUNAR GEOLOGY
RT GEOMORPHOLOGY
LUNAR CORE
LUNAR MARIA
LUNAR SEISMOGRAPHS
MOON
MOONQUAKES
PLANETARY GEOLOGY
PRE-IMBRIAN PERIOD
REGOLITH
SEISMOLOGY
SELENOLOGY

```
LUNAR GRAVITATION
  1309 3004 3008 3009
  GS   GRAVITATION
       #LUNAR GRAVITATION
  RT   MOON
       PLANETARY GRAVITATION
       SELENOLOGY

LUNAR GRAVITATIONAL EFFECTS
  3004 3006 3009 3110
  GS   GRAVITATIONAL EFFECTS
       #LUNAR GRAVITATIONAL EFFECTS
       LUNAR EFFECTS
       #LUNAR GRAVITATIONAL EFFECTS
  RT % EFFECTS
       SELENOLOGY

LUNAR GRAVITY SIMULATOR
  0804 1107
  GS   SIMULATORS
       .ENVIRONMENT SIMULATORS
       .#LUNAR GRAVITY SIMULATOR
  RT   GRAVITATION

LUNAR IONOSPHERE
  USE  LUNAR ATMOSPHERE

LUNAR LABORATORIES
  3004
  GS   LABORATORIES
       #LUNAR LABORATORIES
       ..LUNAR RECEIVING LABORATORY
  RT   LSSM
       LUNAR BASED EQUIPMENT
       LUNAR BASES
       LUNAR OBSERVATORIES
       SPACE LABORATORIES

LUNAR LANDING
  1105 3004
  GS   LANDING
       .SPACECRAFT LANDING
       .#LUNAR LANDING
  RT   APOLLO LUNAR EXPERIMENT MODULE
       APOLLO 5 FLIGHT
       APOLLO 6 FLIGHT
       APOLLO 7 FLIGHT
       APOLLO 8 FLIGHT
       APOLLO 9 FLIGHT
       APOLLO 10 FLIGHT
       APOLLO 11 FLIGHT
       APOLLO 12 FLIGHT
       APOLLO 13 FLIGHT
       APOLLO 14 FLIGHT
       APOLLO 15 FLIGHT
       APOLLO 16 FLIGHT
       APOLLO 17 FLIGHT
       CRASH LANDING
       HARD LANDING
       PLANETARY LANDING
       SOFT LANDING
       SURVEYOR PROJECT

LUNAR LANDING MODULES
  1105 3004 3104
  GS   LUNAR SPACECRAFT
       #LUNAR LANDING MODULES
       ..LUNAR MODULE
       ...APOLLO LUNAR EXPERIMENT MODULE
       ...LSSM
       ...LUNAR MODULE 5
       ...LUNAR MODULE 7
       MODULES
       .SPACECRAFT MODULES
       ..LANDING MODULES
       ..#LUNAR LANDING MODULES
       ....LUNAR MODULE
       .....LSSM
       SOFT LANDING SPACECRAFT
       .LANDING MODULES
       .#LUNAR LANDING MODULES
       ...LUNAR MODULE
       ....APOLLO LUNAR EXPERIMENT MODULE
       ....LSSM
       ....LUNAR MODULE 5
       ....LUNAR MODULE 7
       SPACECRAFT COMPONENTS
       .SPACECRAFT MODULES
       ..LANDING MODULES
       ..#LUNAR LANDING MODULES
       ....LUNAR MODULE
       .....LSSM
  RT   APOLLO EXTENSION SYSTEM
       MANEUVERABLE SPACECRAFT
       MANNED SPACECRAFT
       REUSABLE SPACECRAFT
       UNMANNED SPACECRAFT

LUNAR LANDING SITES
  1105 3004 3006
  GS   SITES
       .LANDING SITES
       .#LUNAR LANDING SITES
  RT   MOON
       SELENOGRAPHY

LUNAR LAUNCH
  1104 1105 3004
  GS   LAUNCHING
       .ROCKET LAUNCHING
       .#LUNAR LAUNCH
  RT   APOLLO 5 FLIGHT
       APOLLO 6 FLIGHT
       APOLLO 7 FLIGHT
       APOLLO 8 FLIGHT
       APOLLO 9 FLIGHT
       APOLLO 10 FLIGHT
       APOLLO 11 FLIGHT
       APOLLO 12 FLIGHT
       APOLLO 13 FLIGHT
       APOLLO 14 FLIGHT
       APOLLO 15 FLIGHT
       APOLLO 16 FLIGHT
       APOLLO 17 FLIGHT
       ORBITAL LAUNCHING
       SATURN PROJECT

LUNAR LIMB
  3001 3008
  RT   LIBRATION
     % LIMBS
       MOON
       PLANETARY LIMB
       SELENOLOGY

LUNAR LOGISTICS
  1105 3004 3007 3109
  GS   LOGISTICS
       #LUNAR LOGISTICS
  RT   LIFE SUPPORT SYSTEMS
       LUNAR BASED EQUIPMENT
       MANNED LUNAR SURFACE VEHICLES
       MATERIALS HANDLING

LUNAR LUMINESCENCE
  0605 3001 3004
  GS   EMISSION
       .LIGHT EMISSION
       ..LUMINESCENCE
       ..#LUNAR LUMINESCENCE
  RT   MOON
       SELENOLOGY

LUNAR MAGNETIC FIELDS
  2307 3004 3009
  GS   MAGNETIC FIELDS
       #LUNAR MAGNETIC FIELDS
  RT   MOON
       SELENOLOGY

LUNAR MANTLE
  3004 3007 3008 3009
  RT   CRUSTS
       EARTH MANTLE
       PLANETARY MANTLES
```

PLANETARY STRUCTURE
REGOLITH
SELENOLOGY

LUNAR MAPS
1303 3001 3004
GS MAPS
#LUNAR MAPS
RT ASTRONOMICAL MAPS
MOON
SELENOGRAPHY

LUNAR MARIA
3001 3004
GS MARIA
#LUNAR MARIA
RT BASALT
LUNAR GEOLOGY
LUNAR ROCKS
SELENOLOGY

LUNAR MINING
1806 3004
GS MINING
#LUNAR MINING
RT LUNAR BASED EQUIPMENT
LUNAR BASES
LUNAR EXCAVATION EQUIPMENT
LUNAR RESOURCES
LUNAR ROCKS
LUNAR SOIL
MINERAL DEPOSITS
MINES (EXCAVATIONS)
SPACE COMMERCIALIZATION
SPACE INDUSTRIALIZATION
STRIP MINING

LUNAR MOBILE LABORATORIES
1104 3004 3110
UF MOLABS
GS LABORATORIES
#LUNAR MOBILE LABORATORIES
SURFACE VEHICLES
.LUNAR SURFACE VEHICLES
.#LUNAR MOBILE LABORATORIES
RT APOLLO PROJECT
MANNED LUNAR SURFACE VEHICLES
SELENOGRAPHY

LUNAR MODULE
3004 3104 3110
UF LEM (LUNAR MODULE)
GS LUNAR SPACECRAFT
.LUNAR LANDING MODULES
.#LUNAR MODULE
...APOLLO LUNAR EXPERIMENT MODULE
...LSSM
...LUNAR MODULE 5
...LUNAR MODULE 7
MANNED SPACECRAFT
#LUNAR MODULE
..APOLLO LUNAR EXPERIMENT MODULE
..LSSM
..LUNAR MODULE 5
..LUNAR MODULE 7
MODULES
.SPACECRAFT MODULES
..LANDING MODULES
...LUNAR LANDING MODULES
...#LUNAR MODULE
.....LSSM
SOFT LANDING SPACECRAFT
.LANDING MODULES
..LUNAR LANDING MODULES
..#LUNAR MODULE
....APOLLO LUNAR EXPERIMENT MODULE
....LSSM
....LUNAR MODULE 5
....LUNAR MODULE 7
SPACECRAFT COMPONENTS
.SPACECRAFT MODULES
..LANDING MODULES
...LUNAR LANDING MODULES
...#LUNAR MODULE
.....LSSM
RT APOLLO SPACECRAFT
APOLLO 5 FLIGHT
APOLLO 6 FLIGHT
APOLLO 7 FLIGHT
APOLLO 8 FLIGHT
APOLLO 9 FLIGHT
APOLLO 10 FLIGHT
APOLLO 11 FLIGHT
APOLLO 12 FLIGHT
APOLLO 13 FLIGHT
APOLLO 14 FLIGHT
APOLLO 15 FLIGHT
APOLLO 16 FLIGHT
APOLLO 17 FLIGHT
ASCENT PROPULSION SYSTEMS

LUNAR MODULE ASCENT STAGE
2808 3004 3006 3109
RT ASCENT
ASCENT TRAJECTORIES
ROCKET ENGINES
STAGE SEPARATION

LUNAR MODULE 5
3004 3104 3110
GS LUNAR SPACECRAFT
.LUNAR LANDING MODULES
..LUNAR MODULE
..#LUNAR MODULE 5
MANNED SPACECRAFT
.LUNAR MODULE
.#LUNAR MODULE 5
SOFT LANDING SPACECRAFT
.LANDING MODULES
..LUNAR LANDING MODULES
...LUNAR MODULE
...#LUNAR MODULE 5
RT APOLLO SPACECRAFT

LUNAR MODULE 7
3004 3104 3110
GS LUNAR SPACECRAFT
.LUNAR LANDING MODULES
..LUNAR MODULE
..#LUNAR MODULE 7
MANNED SPACECRAFT
.LUNAR MODULE
.#LUNAR MODULE 7
SOFT LANDING SPACECRAFT
.LANDING MODULES
..LUNAR LANDING MODULES
...LUNAR MODULE
...#LUNAR MODULE 7
RT APOLLO SPACECRAFT

LUNAR OBSERVATORIES
3001 3004 3009
GS OBSERVATORIES
#LUNAR OBSERVATORIES
RT ASTRONOMICAL OBSERVATORIES
LUNAR LABORATORIES

LUNAR OCCULTATION
1901 2402 3001 3004
GS OCCULTATION
#LUNAR OCCULTATION
..SOLAR ECLIPSES
RT EXOSAT SATELLITE
MOON
SELENOLOGY
STELLAR OCCULTATION

LUNAR ORBIT AND LANDING SIMULATORS
1105 1107 3004 3409
UF LOLA (SIMULATOR)
GS SIMULATORS
#LUNAR ORBIT AND LANDING SIMULATORS
RT FLIGHT SIMULATORS
TRAINING SIMULATORS

```
LUNAR ORBITAL RENDEZVOUS
  1105 3004 3006 3110
  UF   LOR (RENDEZVOUS)
  GS   MANEUVERS
       .ORBITAL RENDEZVOUS
       .#LUNAR ORBITAL RENDEZVOUS
       RENDEZVOUS
       .SPACE RENDEZVOUS
       ..ORBITAL RENDEZVOUS
       ..#LUNAR ORBITAL RENDEZVOUS
  RT   EARTH ORBITAL RENDEZVOUS
       ORBITAL MECHANICS
       SPACECRAFT TRAJECTORIES

LUNAR ORBITER
  3004 3107 3409
  GS   ARTIFICIAL SATELLITES
       .LUNAR SATELLITES
       .#LUNAR ORBITER
       ...LUNAR ORBITER 1
       ...LUNAR ORBITER 2
       ...LUNAR ORBITER 3
       ...LUNAR ORBITER 4
       ...LUNAR ORBITER 5
       LUNAR SPACECRAFT
       .LUNAR SATELLITES
       .#LUNAR ORBITER
       ...LUNAR ORBITER 1
       ...LUNAR ORBITER 2
       ...LUNAR ORBITER 3
       ...LUNAR ORBITER 4
       ...LUNAR ORBITER 5

LUNAR ORBITER A
  USE  LUNAR ORBITER 1

LUNAR ORBITER B
  USE  LUNAR ORBITER 2

LUNAR ORBITER C
  USE  LUNAR ORBITER 3

LUNAR ORBITER D
  USE  LUNAR ORBITER 4

LUNAR ORBITER E
  USE  LUNAR ORBITER 5

LUNAR ORBITER 1
  3004 3107 3409
  UF   LUNAR ORBITER A
  GS   ARTIFICIAL SATELLITES
       .LUNAR SATELLITES
       ..LUNAR ORBITER
       ..#LUNAR ORBITER 1
       LUNAR SPACECRAFT
       .LUNAR SATELLITES
       ..LUNAR ORBITER
       ..#LUNAR ORBITER 1

LUNAR ORBITER 2
  3004 3107 3409
  UF   LUNAR ORBITER B
  GS   ARTIFICIAL SATELLITES
       .LUNAR SATELLITES
       ..LUNAR ORBITER
       ..#LUNAR ORBITER 2
       LUNAR SPACECRAFT
       .LUNAR SATELLITES
       ..LUNAR ORBITER
       ..#LUNAR ORBITER 2

LUNAR ORBITER 3
  3004 3107 3409
  UF   LUNAR ORBITER C
  GS   ARTIFICIAL SATELLITES
       .LUNAR SATELLITES
       ..LUNAR ORBITER
       ..#LUNAR ORBITER 3
       LUNAR SPACECRAFT
       .LUNAR SATELLITES
       ..LUNAR ORBITER
       ..#LUNAR ORBITER 3

LUNAR ORBITER 4
  3004 3107 3409
  UF   LUNAR ORBITER D
  GS   ARTIFICIAL SATELLITES
       .LUNAR SATELLITES
       ..LUNAR ORBITER
       ..#LUNAR ORBITER 4
       LUNAR SPACECRAFT
       .LUNAR SATELLITES
       ..LUNAR ORBITER
       ..#LUNAR ORBITER 4

LUNAR ORBITER 5
  3004 3107 3409
  UF   LUNAR ORBITER E
  GS   ARTIFICIAL SATELLITES
       .LUNAR SATELLITES
       ..LUNAR ORBITER
       ..#LUNAR ORBITER 5
       LUNAR SPACECRAFT
       .LUNAR SATELLITES
       ..LUNAR ORBITER
       ..#LUNAR ORBITER 5

LUNAR ORBITS
  3001 3006 3007
  UF   EVECTION
  GS   ORBITS
       #LUNAR ORBITS
  RT   ARTIFICIAL SATELLITES
       CIRCULAR ORBITS
       CIRCUMLUNAR TRAJECTORIES
       CISLUNAR SPACE
       COMMAND SERVICE MODULES
       EARTH ORBITS
       EARTH-MOON TRAJECTORIES
       ELLIPTICAL ORBITS
       EQUATORIAL ORBITS
       LISSAJOUS FIGURES
       MOON
       ORBITAL MECHANICS
       PARKING ORBITS
       PERILUNES
       POLAR ORBITS
       SATELLITE ORBITS
       SPACECRAFT ORBITS
       TRANSFER ORBITS

LUNAR PERTURBATION
  USE  LUNAR EFFECTS

LUNAR PHASES
  3001 3004 3006
  RT   MOON
     % PHASES
       SELENOLOGY
       TERMINATOR LINES

LUNAR PHOTOGRAPHS
  1407 3004
  GS   PHOTOGRAPHS
       #LUNAR PHOTOGRAPHS
  RT   ASTRONOMICAL PHOTOGRAPHY
       PHOTOGRAPHY
       RANGER PROJECT
       SPACEBORNE PHOTOGRAPHY

LUNAR PHOTOGRAPHY
  1407 3004
  UF   LUNAR CINEMATOGRAPHY
  GS   IMAGERY
       #LUNAR PHOTOGRAPHY
       PHOTOGRAPHY
       #LUNAR PHOTOGRAPHY
  RT   ASTRONOMICAL PHOTOGRAPHY
       BLACK AND WHITE PHOTOGRAPHY
       INFRARED PHOTOGRAPHY
       MOON
       RANGER PROJECT
       SPACEBORNE PHOTOGRAPHY
```

```
LUNAR PROBES
  1105 3004 3108
  GS    LUNAR SPACECRAFT
        #LUNAR PROBES
        ..LUNIK LUNAR PROBES
        ...LUNIK 2 LUNAR PROBE
        ...LUNIK 3 LUNAR PROBE
        ...LUNIK 9 LUNAR PROBE
        ...LUNIK 10 LUNAR PROBE
        ...LUNIK 11 LUNAR PROBE
        ...LUNIK 12 LUNAR PROBE
        ...LUNIK 13 LUNAR PROBE
        ...LUNIK 14 LUNAR PROBE
        ...LUNIK 16 LUNAR PROBE
        ...LUNIK 17 LUNAR PROBE
        ...LUNIK 19 LUNAR PROBE
        ...LUNIK 20 LUNAR PROBE
        ...LUNIK 22 LUNAR PROBE
        ..RANGER LUNAR PROBES
        ...RANGER LUNAR LANDING VEHICLES
        ...RANGER 1 LUNAR PROBE
        ...RANGER 2 LUNAR PROBE
        ...RANGER 3 LUNAR PROBE
        ...RANGER 4 LUNAR PROBE
        ...RANGER 5 LUNAR PROBE
        ...RANGER 6 LUNAR PROBE
        ...RANGER 7 LUNAR PROBE
        ...RANGER 8 LUNAR PROBE
        ...RANGER 9 LUNAR PROBE
        ..SURVEYOR LUNAR PROBES
        ...SURVEYOR 1 LUNAR PROBE
        ...SURVEYOR 2 LUNAR PROBE
        ...SURVEYOR 3 LUNAR PROBE
        ...SURVEYOR 4 LUNAR PROBE
        ...SURVEYOR 5 LUNAR PROBE
        ...SURVEYOR 6 LUNAR PROBE
        ...SURVEYOR 7 LUNAR PROBE
        UNMANNED SPACECRAFT
        .SPACE PROBES
        .#LUNAR PROBES
        ...LUNIK LUNAR PROBES
        ....LUNIK 2 LUNAR PROBE
        ....LUNIK 3 LUNAR PROBE
        ....LUNIK 9 LUNAR PROBE
        ....LUNIK 10 LUNAR PROBE
        ....LUNIK 11 LUNAR PROBE
        ....LUNIK 12 LUNAR PROBE
        ....LUNIK 13 LUNAR PROBE
        ....LUNIK 14 LUNAR PROBE
        ....LUNIK 16 LUNAR PROBE
        ....LUNIK 17 LUNAR PROBE
        ....LUNIK 19 LUNAR PROBE
        ....LUNIK 20 LUNAR PROBE
        ....LUNIK 22 LUNAR PROBE
        ...RANGER LUNAR PROBES
        ....RANGER LUNAR LANDING VEHICLES
        ....RANGER 1 LUNAR PROBE
        ....RANGER 2 LUNAR PROBE
        ....RANGER 3 LUNAR PROBE
        ....RANGER 4 LUNAR PROBE
        ....RANGER 5 LUNAR PROBE
        ....RANGER 6 LUNAR PROBE
        ....RANGER 7 LUNAR PROBE
        ....RANGER 8 LUNAR PROBE
        ....RANGER 9 LUNAR PROBE
        ...SURVEYOR LUNAR PROBES
        ....SURVEYOR 1 LUNAR PROBE
        ....SURVEYOR 2 LUNAR PROBE
        ....SURVEYOR 3 LUNAR PROBE
        ....SURVEYOR 4 LUNAR PROBE
        ....SURVEYOR 5 LUNAR PROBE
        ....SURVEYOR 6 LUNAR PROBE
        ....SURVEYOR 7 LUNAR PROBE
  RT    APOLLO PROJECT
        ATLAS ABLE 5 LAUNCH VEHICLE
        MANEUVERABLE SPACECRAFT
        PIONEER PROJECT
        RANGER PROJECT
        SOFT LANDING SPACECRAFT
        SURVEYOR PROJECT

LUNAR PROGRAMS
  1105 3004 3409
  GS    PROGRAMS
        #LUNAR PROGRAMS
        ..APOLLO PROJECT
        ..SURVEYOR PROJECT

LUNAR RADAR ECHOES
  0710 2402 3004
  UF    LUNAR SCATTERING
  GS    ECHOES
        .LUNAR ECHOES
        .#LUNAR RADAR ECHOES
        .RADAR ECHOES
        .#LUNAR RADAR ECHOES
  RT    SELENOLOGY

LUNAR RADIATION
  2402 2903
  GS    EXTRATERRESTRIAL RADIATION
        #LUNAR RADIATION
  RT %  RADIATION
        SELENOLOGY

LUNAR RANGEFINDING
  0705 1109 1304 3001
  GS    RANGEFINDING
        #LUNAR RANGEFINDING
  RT    DISTANCE MEASURING EQUIPMENT
        LASER RANGE FINDERS
        MEASURING INSTRUMENTS
        OPTICAL RANGE FINDERS
        RANGE FINDERS

LUNAR RAYS
  3004
  SN    (EXCLUDES RADIATION)
  RT    METEORITE CRATERS
        MOON
      % RAYS
        SELENOGRAPHY

LUNAR RECEIVING LABORATORY
  1106 1108
  GS    LABORATORIES
        .LUNAR LABORATORIES
        .#LUNAR RECEIVING LABORATORY

LUNAR RESOURCES
  3001 3004 3007 3409
  GS    RESOURCES
        .EXTRATERRESTRIAL RESOURCES
        .#LUNAR RESOURCES
  RT    LUNAR EXCAVATION EQUIPMENT
        LUNAR EXPLORATION
        LUNAR MINING
        LUNAR ROCKS
        LUNAR SOIL
        LUNAR SURFACE

LUNAR RETROREFLECTORS
  2306 2310 2402
  GS    LUNAR BASED EQUIPMENT
        #LUNAR RETROREFLECTORS
  RT    APOLLO LUNAR SURFACE EXPERIMENTS
        PACKAGE
        EARTH-MOON SYSTEM
        GEODESY
        LASER RANGE FINDERS
        RETROREFLECTION
        U.S.S.R. SPACE PROGRAM

LUNAR ROCKS
  1305 1306 1308 3409 3001
  GS    ROCKS
        #LUNAR ROCKS
        ..KREEP
  RT    GABBRO
        IMPACT MELTS
        LUNAR MARIA
        LUNAR MINING
        LUNAR RESOURCES
        PARTICLE TRACKS
        PRE-IMBRIAN PERIOD
```

```
      REGOLITH
      SELENOGRAPHY
      SELENOLOGY

LUNAR ROTATION
  3001 3002 3008
  GS   ROTATING BODIES
       #LUNAR ROTATION
  RT   CENTER OF GRAVITY
       SELENOLOGY
       SPIN DYNAMICS

LUNAR ROVING VEHICLES
  1105 3004
  UF   LRV (VEHICLE)
  GS   SURFACE VEHICLES
       .LUNAR SURFACE VEHICLES
       .#LUNAR ROVING VEHICLES
       ...LUNOKHOD LUNAR ROVING VEHICLES
       ...MANNED LUNAR SURFACE VEHICLES
       .ROVING VEHICLES
       .#LUNAR ROVING VEHICLES
       ...LUNOKHOD LUNAR ROVING VEHICLES
  RT   PROVING
       RESEARCH VEHICLES
     % VEHICLES

LUNAR SATELLITES
  3004 3107 3110
  GS   ARTIFICIAL SATELLITES
       #LUNAR SATELLITES
       ..EXPLORER 18 SATELLITE
       ..EXPLORER 28 SATELLITE
       ..IMP
       ..LUNAR ORBITER
       ...LUNAR ORBITER 1
       ...LUNAR ORBITER 2
       ...LUNAR ORBITER 3
       ...LUNAR ORBITER 4
       ...LUNAR ORBITER 5
       ..ORBITING LUNAR STATIONS
       LUNAR SPACECRAFT
       #LUNAR SATELLITES
       ..EXPLORER 18 SATELLITE
       ..EXPLORER 28 SATELLITE
       ..IMP
       ..LUNAR ORBITER
       ...LUNAR ORBITER 1
       ...LUNAR ORBITER 2
       ...LUNAR ORBITER 3
       ...LUNAR ORBITER 4
       ...LUNAR ORBITER 5
       ..ORBITING LUNAR STATIONS
  RT   MANEUVERABLE SPACECRAFT
       MANNED SPACECRAFT
       PERILUNES
       POLAR ORBITS
       UNMANNED SPACECRAFT

LUNAR SCATTERING
  USE  DIFFUSE RADIATION
       LUNAR RADAR ECHOES

LUNAR SEISMOGRAPHS
  1105 1308 3004
  GS   MEASURING INSTRUMENTS
       .VIBRATION METERS
       ..SEISMOGRAPHS
       ..#LUNAR SEISMOGRAPHS
       RECORDING INSTRUMENTS
       .SEISMOGRAPHS
       .#LUNAR SEISMOGRAPHS
  RT   LUNAR GEOLOGY
       SELENOLOGY

LUNAR SHADOW
  2306 3001 3004
  GS   SHADOWS
       #LUNAR SHADOW
  RT   ECLIPSES
       MOON
       SELENOLOGY
       SOLAR ECLIPSES

LUNAR SHELTERS
  0504 0507 1105
  GS   SHELTERS
       #LUNAR SHELTERS
  RT   INFLATABLE STRUCTURES
       LIFE SUPPORT SYSTEMS
       LUNAR BASED EQUIPMENT
       LUNAR CONSTRUCTION EQUIPMENT
       SPACE COLONIES
       SURVIVAL
     % TUNNELS

LUNAR SOIL
  1105 3005
  GS   SOILS
       #LUNAR SOIL
       ..LUNAR DUST
  RT   KREEP
       LUNAR MINING
       LUNAR RESOURCES
       MINERALS
       MOON
       PENETROMETERS
       SELENOLOGY

LUNAR SPACECRAFT
  3004 3110
  GS   #LUNAR SPACECRAFT
       .APOLLO SPACECRAFT
       ..APOLLO LUNAR EXPERIMENT MODULE
       .LUNAR LANDING MODULES
       ..LUNAR MODULE
       ...APOLLO LUNAR EXPERIMENT MODULE
       ...LSSM
       ...LUNAR MODULE 5
       ...LUNAR MODULE 7
       .LUNAR PROBES
       ..LUNIK LUNAR PROBES
       ...LUNIK 2 LUNAR PROBE
       ...LUNIK 3 LUNAR PROBE
       ...LUNIK 9 LUNAR PROBE
       ...LUNIK 10 LUNAR PROBE
       ...LUNIK 11 LUNAR PROBE
       ...LUNIK 12 LUNAR PROBE
       ...LUNIK 13 LUNAR PROBE
       ...LUNIK 14 LUNAR PROBE
       ...LUNIK 16 LUNAR PROBE
       ...LUNIK 17 LUNAR PROBE
       ...LUNIK 19 LUNAR PROBE
       ...LUNIK 20 LUNAR PROBE
       ...LUNIK 22 LUNAR PROBE
       ..RANGER LUNAR PROBES
       ...RANGER LUNAR LANDING VEHICLES
       ...RANGER 1 LUNAR PROBE
       ...RANGER 2 LUNAR PROBE
       ...RANGER 3 LUNAR PROBE
       ...RANGER 4 LUNAR PROBE
       ...RANGER 5 LUNAR PROBE
       ...RANGER 6 LUNAR PROBE
       ...RANGER 7 LUNAR PROBE
       ...RANGER 8 LUNAR PROBE
       ...RANGER 9 LUNAR PROBE
       ..SURVEYOR LUNAR PROBES
       ...SURVEYOR 1 LUNAR PROBE
       ...SURVEYOR 2 LUNAR PROBE
       ...SURVEYOR 3 LUNAR PROBE
       ...SURVEYOR 4 LUNAR PROBE
       ...SURVEYOR 5 LUNAR PROBE
       ...SURVEYOR 6 LUNAR PROBE
       ...SURVEYOR 7 LUNAR PROBE
       .LUNAR SATELLITES
       ..EXPLORER 18 SATELLITE
       ..EXPLORER 28 SATELLITE
       ..IMP
       ..LUNAR ORBITER
       ...LUNAR ORBITER 1
       ...LUNAR ORBITER 2
       ...LUNAR ORBITER 3
       ...LUNAR ORBITER 4
       ...LUNAR ORBITER 5
       ..ORBITING LUNAR STATIONS
```

```
  RT    APOLLO 5 FLIGHT
        APOLLO 6 FLIGHT
        ARTIFICIAL SATELLITES
        HALO ORBIT SPACE STATION
        MANNED SPACECRAFT
        RENDEZVOUS SPACECRAFT
        SPACE CAPSULES
      % SPACECRAFT
        SURVEYOR PROJECT
        UNMANNED SPACECRAFT

LUNAR SURFACE
  1105 3001 3004
  GS    SATELLITE SURFACES
        #LUNAR SURFACE
  RT    LUNAR RESOURCES
        SELENOLOGY
        SURFACE LAYERS
        SURFACE PROPERTIES
      % SURFACES

LUNAR SURFACE SCIENTIFIC MODULES
  USE   LSSM

LUNAR SURFACE VEHICLES
  1105 3004 3110
  GS    SURFACE VEHICLES
        #LUNAR SURFACE VEHICLES
        ..LUNAR MOBILE LABORATORIES
        ..LUNAR ROVING VEHICLES
        ...LUNOKHOD LUNAR ROVING VEHICLES
        ...MANNED LUNAR SURFACE VEHICLES
  RT    CRAWLER TRACTORS
        LUNAR BASED EQUIPMENT
        LUNAR CONSTRUCTION EQUIPMENT
        LUNAR EXCAVATION EQUIPMENT
      % SURFACES
      % VEHICLES
        WALKING MACHINES

LUNAR TEMPERATURE
  1408 1410 3004 3009
  GS    TEMPERATURE
        #LUNAR TEMPERATURE
  RT    HIGH TEMPERATURE ENVIRONMENTS
        LOW TEMPERATURE ENVIRONMENTS
        MOON
        SELENOLOGY

LUNAR TIDES
  0710 1302 1307
  GS    LUNAR EFFECTS
        #LUNAR TIDES
        TIDES
        #LUNAR TIDES
  RT    ATMOSPHERIC TIDES
        EARTH TIDES
        MOONQUAKES
        SELENOLOGY

LUNAR TOPOGRAPHY
  1105 3001 3004
  GS    TOPOGRAPHY
        #LUNAR TOPOGRAPHY
  RT    MOON
        SELENOGRAPHY
        SELENOLOGY
        SURFACE PROPERTIES
        SURFACE ROUGHNESS

LUNAR TRAJECTORIES
  0709 1109 1901 3006 3009 3001
  GS    TRAJECTORIES
        .SPACECRAFT TRAJECTORIES
        .#LUNAR TRAJECTORIES
        ...CIRCUMLUNAR TRAJECTORIES
        ...EARTH-MOON TRAJECTORIES
        ...MOON-EARTH TRAJECTORIES
  RT    PARKING ORBITS
        TRANSFER ORBITS

LUNATION
  USE   MONTH

LUNEBERG LENSES
  USE   RADAR CORNER REFLECTORS

LUNG MORPHOLOGY
  0404 0408
  GS    MORPHOLOGY
        #LUNG MORPHOLOGY
  RT    ALVEOLI
        PULMONARY LESIONS
        RESPIRATORY DISEASES

LUNGS
  0404 0405 0408
  GS    ANATOMY
        .RESPIRATORY SYSTEM
        .#LUNGS
        ...ALVEOLI
  RT    ALVEOLAR AIR
        ATELECTASIS
        BRONCHI
        PLEURAE
        PNEUMOGRAPHY
        PNEUMOTHORAX
        PULMONARY CIRCULATION
        PULMONARY FUNCTIONS
        PULMONARY LESIONS
        SPIROMETERS

LUNIK LUNAR PROBES
  3108 3304 3001
  UF    LUNA LUNAR PROBES
  GS    LUNAR SPACECRAFT
        .LUNAR PROBES
        .#LUNIK LUNAR PROBES
        ...LUNIK 2 LUNAR PROBE
        ...LUNIK 3 LUNAR PROBE
        ...LUNIK 9 LUNAR PROBE
        ...LUNIK 10 LUNAR PROBE
        ...LUNIK 11 LUNAR PROBE
        ...LUNIK 12 LUNAR PROBE
        ...LUNIK 13 LUNAR PROBE
        ...LUNIK 14 LUNAR PROBE
        ...LUNIK 16 LUNAR PROBE
        ...LUNIK 17 LUNAR PROBE
        ...LUNIK 19 LUNAR PROBE
        ...LUNIK 20 LUNAR PROBE
        ...LUNIK 22 LUNAR PROBE
        SOVIET SPACECRAFT
        #LUNIK LUNAR PROBES
        ..LUNIK 2 LUNAR PROBE
        ..LUNIK 3 LUNAR PROBE
        ..LUNIK 9 LUNAR PROBE
        ..LUNIK 10 LUNAR PROBE
        ..LUNIK 11 LUNAR PROBE
        ..LUNIK 12 LUNAR PROBE
        ..LUNIK 13 LUNAR PROBE
        ..LUNIK 14 LUNAR PROBE
        ..LUNIK 16 LUNAR PROBE
        ..LUNIK 17 LUNAR PROBE
        ..LUNIK 19 LUNAR PROBE
        ..LUNIK 20 LUNAR PROBE
        ..LUNIK 22 LUNAR PROBE
        UNMANNED SPACECRAFT
        .SPACE PROBES
        ..LUNAR PROBES
        ..#LUNIK LUNAR PROBES
        ....LUNIK 2 LUNAR PROBE
        ....LUNIK 3 LUNAR PROBE
        ....LUNIK 9 LUNAR PROBE
        ....LUNIK 10 LUNAR PROBE
        ....LUNIK 11 LUNAR PROBE
        ....LUNIK 12 LUNAR PROBE
        ....LUNIK 13 LUNAR PROBE
        ....LUNIK 14 LUNAR PROBE
        ....LUNIK 16 LUNAR PROBE
        ....LUNIK 17 LUNAR PROBE
        ....LUNIK 19 LUNAR PROBE
        ....LUNIK 20 LUNAR PROBE
        ....LUNIK 22 LUNAR PROBE
  RT    LUNOKHOD LUNAR ROVING VEHICLES
        U.S.S.R. SPACE PROGRAM
```

```
LUNIK 2 LUNAR PROBE
  3108 3304 3009
  GS   LUNAR SPACECRAFT
       .LUNAR PROBES
       ..LUNIK LUNAR PROBES
       ..#LUNIK 2 LUNAR PROBE
       SOVIET SPACECRAFT
       .LUNIK LUNAR PROBES
       .#LUNIK 2 LUNAR PROBE
       UNMANNED SPACECRAFT
       .SPACE PROBES
       ..LUNAR PROBES
       ...LUNIK LUNAR PROBES
       ...#LUNIK 2 LUNAR PROBE

LUNIK 3 LUNAR PROBE
  3108 3304 3009
  GS   LUNAR SPACECRAFT
       .LUNAR PROBES
       ..LUNIK LUNAR PROBES
       ..#LUNIK 3 LUNAR PROBE
       SOVIET SPACECRAFT
       .LUNIK LUNAR PROBES
       .#LUNIK 3 LUNAR PROBE
       UNMANNED SPACECRAFT
       .SPACE PROBES
       ..LUNAR PROBES
       ...LUNIK LUNAR PROBES
       ...#LUNIK 3 LUNAR PROBE

LUNIK 9 LUNAR PROBE
  3108 3304 3009
  GS   LUNAR SPACECRAFT
       .LUNAR PROBES
       ..LUNIK LUNAR PROBES
       ..#LUNIK 9 LUNAR PROBE
       SOVIET SPACECRAFT
       .LUNIK LUNAR PROBES
       .#LUNIK 9 LUNAR PROBE
       UNMANNED SPACECRAFT
       .SPACE PROBES
       ..LUNAR PROBES
       ...LUNIK LUNAR PROBES
       ...#LUNIK 9 LUNAR PROBE

LUNIK 10 LUNAR PROBE
  3108 3304 3009
  GS   LUNAR SPACECRAFT
       .LUNAR PROBES
       ..LUNIK LUNAR PROBES
       ..#LUNIK 10 LUNAR PROBE
       SOVIET SPACECRAFT
       .LUNIK LUNAR PROBES
       .#LUNIK 10 LUNAR PROBE
       UNMANNED SPACECRAFT
       .SPACE PROBES
       ..LUNAR PROBES
       ...LUNIK LUNAR PROBES
       ...#LUNIK 10 LUNAR PROBE

LUNIK 11 LUNAR PROBE
  3004 3108 3009
  GS   LUNAR SPACECRAFT
       .LUNAR PROBES
       ..LUNIK LUNAR PROBES
       ..#LUNIK 11 LUNAR PROBE
       SOVIET SPACECRAFT
       .LUNIK LUNAR PROBES
       .#LUNIK 11 LUNAR PROBE
       UNMANNED SPACECRAFT
       .SPACE PROBES
       ..LUNAR PROBES
       ...LUNIK LUNAR PROBES
       ...#LUNIK 11 LUNAR PROBE

LUNIK 12 LUNAR PROBE
  3004 3108 3009
  GS   LUNAR SPACECRAFT
       .LUNAR PROBES
       ..LUNIK LUNAR PROBES
       ..#LUNIK 12 LUNAR PROBE
       SOVIET SPACECRAFT
       .LUNIK LUNAR PROBES
       .#LUNIK 12 LUNAR PROBE
       UNMANNED SPACECRAFT
       .SPACE PROBES
       ..LUNAR PROBES
       ...LUNIK LUNAR PROBES
       ...#LUNIK 12 LUNAR PROBE

LUNIK 13 LUNAR PROBE
  3004 3108 3009
  GS   LUNAR SPACECRAFT
       .LUNAR PROBES
       ..LUNIK LUNAR PROBES
       ..#LUNIK 13 LUNAR PROBE
       SOVIET SPACECRAFT
       .LUNIK LUNAR PROBES
       .#LUNIK 13 LUNAR PROBE
       UNMANNED SPACECRAFT
       .SPACE PROBES
       ..LUNAR PROBES
       ...LUNIK LUNAR PROBES
       ...#LUNIK 13 LUNAR PROBE

LUNIK 14 LUNAR PROBE
  3004 3108 3009
  GS   LUNAR SPACECRAFT
       .LUNAR PROBES
       ..LUNIK LUNAR PROBES
       ..#LUNIK 14 LUNAR PROBE
       SOVIET SPACECRAFT
       .LUNIK LUNAR PROBES
       .#LUNIK 14 LUNAR PROBE
       UNMANNED SPACECRAFT
       .SPACE PROBES
       ..LUNAR PROBES
       ...LUNIK LUNAR PROBES
       ...#LUNIK 14 LUNAR PROBE

LUNIK 16 LUNAR PROBE
  3108 3304 3009
  GS   LUNAR SPACECRAFT
       .LUNAR PROBES
       ..LUNIK LUNAR PROBES
       ..#LUNIK 16 LUNAR PROBE
       SOVIET SPACECRAFT
       .LUNIK LUNAR PROBES
       .#LUNIK 16 LUNAR PROBE
       UNMANNED SPACECRAFT
       .SPACE PROBES
       ..LUNAR PROBES
       ...LUNIK LUNAR PROBES
       ...#LUNIK 16 LUNAR PROBE

LUNIK 17 LUNAR PROBE
  3108 3304 3009
  GS   LUNAR SPACECRAFT
       .LUNAR PROBES
       ..LUNIK LUNAR PROBES
       ..#LUNIK 17 LUNAR PROBE
       SOVIET SPACECRAFT
       .LUNIK LUNAR PROBES
       .#LUNIK 17 LUNAR PROBE
       UNMANNED SPACECRAFT
       .SPACE PROBES
       ..LUNAR PROBES
       ...LUNIK LUNAR PROBES
       ...#LUNIK 17 LUNAR PROBE

LUNIK 19 LUNAR PROBE
  3108 3009
  GS   LUNAR SPACECRAFT
       .LUNAR PROBES
       ..LUNIK LUNAR PROBES
       ..#LUNIK 19 LUNAR PROBE
       SOVIET SPACECRAFT
       .LUNIK LUNAR PROBES
       .#LUNIK 19 LUNAR PROBE
       UNMANNED SPACECRAFT
       .SPACE PROBES
       ..LUNAR PROBES
       ...LUNIK LUNAR PROBES
       ...#LUNIK 19 LUNAR PROBE
```

```
  RT   U.S.S.R. SPACE PROGRAM

LUNIK 20 LUNAR PROBE
  3108 3304 3009
  GS   LUNAR SPACECRAFT
       .LUNAR PROBES
       ..LUNIK LUNAR PROBES
       ..#LUNIK 20 LUNAR PROBE
       SOVIET SPACECRAFT
       .LUNIK LUNAR PROBES
       .#LUNIK 20 LUNAR PROBE
       UNMANNED SPACECRAFT
       .SPACE PROBES
       ..LUNAR PROBES
       ...LUNIK LUNAR PROBES
       ...#LUNIK 20 LUNAR PROBE

LUNIK 22 LUNAR PROBE
  3108 3009
  GS   LUNAR SPACECRAFT
       .LUNAR PROBES
       ..LUNIK LUNAR PROBES
       ..#LUNIK 22 LUNAR PROBE
       SOVIET SPACECRAFT
       .LUNIK LUNAR PROBES
       .#LUNIK 22 LUNAR PROBE
       UNMANNED SPACECRAFT
       .SPACE PROBES
       ..LUNAR PROBES
       ...LUNIK LUNAR PROBES
       ...#LUNIK 22 LUNAR PROBE
  RT   U.S.S.R. SPACE PROGRAM

LUNOKHOD LUNAR ROVING VEHICLES
  1105 3004
  GS   SURFACE VEHICLES
       .LUNAR SURFACE VEHICLES
       ..LUNAR ROVING VEHICLES
       ..#LUNOKHOD LUNAR ROVING VEHICLES
       .ROVING VEHICLES
       ..LUNAR ROVING VEHICLES
       ..#LUNOKHOD LUNAR ROVING VEHICLES
  RT   LUNIK LUNAR PROBES
       U.S.S.R. SPACE PROGRAM
     % VEHICLES

LUSTER
  0605 2306 2310 3408
  UF   DULLNESS
  RT   BRIGHTNESS
       FINISHES
       GLARE
       REFLECTANCE

LUTETIUM
  0603 1703 1704
  GS   CHEMICAL ELEMENTS
       .NUCLIDES
       ..ISOTOPES
       ..#LUTETIUM
       ....LUTETIUM ISOTOPES
       .RARE EARTH ELEMENTS
       .#LUTETIUM
       ...LUTETIUM ISOTOPES
       METALS
       .RARE EARTH ELEMENTS
       .#LUTETIUM
       ...LUTETIUM ISOTOPES

LUTETIUM COMPOUNDS
  0603 1804
  GS   RARE EARTH COMPOUNDS
       #LUTETIUM COMPOUNDS
  RT % CHEMICAL COMPOUNDS
     % METAL COMPOUNDS

LUTETIUM ISOTOPES
  1703 2406
  UF   LUTETIUM 176
  GS   CHEMICAL ELEMENTS
       .NUCLIDES
       ..ISOTOPES
       ...LUTETIUM
       ...#LUTETIUM ISOTOPES
       .RARE EARTH ELEMENTS
       ..LUTETIUM
       ..#LUTETIUM ISOTOPES
       METALS
       .RARE EARTH ELEMENTS
       ..LUTETIUM
       ..#LUTETIUM ISOTOPES

LUTETIUM 176
  USE  LUTETIUM ISOTOPES

LUXEMBOURG
  1305
  GS   NATIONS
       #LUXEMBOURG
  RT   EUROPE
       LUXEMBOURG SPACE PROGRAM

LUXEMBOURG EFFECT
  0702 1302 2402
  RT % EFFECTS
       IONOSPHERIC CROSS MODULATION
       IONOSPHERIC PROPAGATION

LUXEMBOURG SPACE PROGRAM
  3009 3409
  GS   PROGRAMS
       .SPACE PROGRAMS
       ..EUROPEAN SPACE PROGRAMS
       ..#LUXEMBOURG SPACE PROGRAM
  RT   LUXEMBOURG

LYAPUNOV FUNCTIONS
  USE  LIAPUNOV FUNCTIONS

LYBIA
  USE  LIBYA

LYMAN ALPHA RADIATION
  1404 2402 2903
  GS   ELECTROMAGNETIC RADIATION
       .ULTRAVIOLET RADIATION
       ..FAR ULTRAVIOLET RADIATION
       ..#LYMAN ALPHA RADIATION
  RT   ATOMIC SPECTRA
       EXTRATERRESTRIAL RADIATION
       POLARIZED ELECTROMAGNETIC RADIATION
     % RADIATION
       ULTRAVIOLET ASTRONOMY

LYMAN BETA RADIATION
  1404 2402 2903
  GS   ELECTROMAGNETIC RADIATION
       .ULTRAVIOLET RADIATION
       ..FAR ULTRAVIOLET RADIATION
       ..#LYMAN BETA RADIATION
  RT   ATOMIC SPECTRA
       EXTRATERRESTRIAL RADIATION
       POLARIZED ELECTROMAGNETIC RADIATION
     % RADIATION
       ULTRAVIOLET ASTRONOMY

LYMAN SPECTRA
  2402 2903
  GS   SPECTRA
       .RADIATION SPECTRA
       ..ELECTROMAGNETIC SPECTRA
       ...LINE SPECTRA
       ...#LYMAN SPECTRA
  RT   ATOMIC SPECTRA
       ELECTRONIC SPECTRA
       EMISSION SPECTRA
       H LINES
       SOLAR SPECTRA
       SPECTRAL THEORY
       ULTRAVIOLET SPECTRA

LYMPH
  0403 0404 0405
  GS   BODY FLUIDS
       #LYMPH
```

```
  RT   LYMPHOCYTES

LYMPHOCYTES
  0403 0404 0406
  GS   CELLS (BIOLOGY)
       .BLOOD CELLS
       ..LEUKOCYTES
       ..#LYMPHOCYTES
  RT   IMMUNE SYSTEMS
       LYMPH

LYOPHILIZATION
  USE  COLLOIDING

LYOPHILS
  USE  COLLOIDS

LYRA CONSTELLATION
  3001 3503
  GS   CONSTELLATIONS
       #LYRA CONSTELLATION
  RT   CELESTIAL BODIES
       CELESTIAL SPHERE
       STARS

LYSERGINE
  0403 1808
  GS   BASES (CHEMICAL)
       .ALKALOIDS
       .#LYSERGINE
       NITROGEN COMPOUNDS
       .ALKALOIDS
       .#LYSERGINE
       ORGANIC COMPOUNDS
       .CYCLIC COMPOUNDS
       ..HETEROCYCLIC COMPOUNDS
       ...ALKALOIDS
       ...#LYSERGINE

LYSIMETERS
  0501
  RT   GROUND WATER
       MOISTURE CONTENT
       PERCOLATION
       SOIL MOISTURE
       SOILS
       WATER BALANCE
       WATER POLLUTION

LYSINE
  0402 0403 0404
  GS   ACIDS
       .AMINO ACIDS
       .#LYSINE
       .CARBOXYLIC ACIDS
       .#LYSINE
       ORGANIC COMPOUNDS
       .AMINO ACIDS
       .#LYSINE
       .CARBOXYLIC ACIDS
       .#LYSINE
  RT   DIGESTING
       LYSOGENESIS

LYSOGENESIS
  0404 0409 0412
  RT   DISINTEGRATION
       LYSINE

LYSOSOMES
  0404 0406 0409
  GS   ORGANELLES
       #LYSOSOMES
  RT   CELLS (BIOLOGY)
       CYTOLOGY
       ENZYME ACTIVITY
       LYSOZYME

LYSOZYME
  0403 1808
  GS   BIOPOLYMERS
       .PROTEINS
       ..ENZYMES
       ..#LYSOZYME
       ORGANIC COMPOUNDS
       .PROTEINS
       ..ENZYMES
       ..#LYSOZYME
  RT   BODY FLUIDS
       LYSOSOMES

LZEEBE SATELLITE
  3107
  UF   EARTH ENERGY BUDGET EXPERIMENT
       LONG TERM ZONAL EARTH ENERGY
       EXPERIMENT
       ZONAL EARTH ENERGY BUDGET
       EXPERIMENT
  GS   ARTIFICIAL SATELLITES
       .SCIENTIFIC SATELLITES
       .#LZEEBE SATELLITE

M REGION
  1307 2902 3001
  GS   REGIONS
       #M REGION
  RT   GEOMAGNETISM
       SOLAR ATMOSPHERE
       SOLAR CORPUSCULAR RADIATION
       SOLAR WIND

M STARS
  1411 1412 2306 3001
  GS   CELESTIAL BODIES
       .STARS
       ..LATE STARS
       ...COOL STARS
       ...#M STARS
       .....VAN BIESBROECK STAR
  RT   ASYMPTOTIC GIANT BRANCH STARS
       FLARE STARS
       GIANT STARS
       MAIN SEQUENCE STARS
       MIRA VARIABLES
       RED GIANT STARS
       S STARS
       SUBGIANT STARS
       SUPERGIANT STARS
       SYMBIOTIC STARS

M WINGS
  USE  VARIABLE SWEEP WINGS

M-1 ENGINE
  2806 2808
  UF   AJ-1000 ENGINE
  GS   ENGINES
       .ROCKET ENGINES
       ..BOOSTER ROCKET ENGINES
       ..#M-1 ENGINE
       ..LIQUID PROPELLANT ROCKET ENGINES
       ...HYDROGEN OXYGEN ENGINES
       ...#M-1 ENGINE
  RT   NOVA LAUNCH VEHICLES
       SATURN 1 LAUNCH VEHICLES
       SATURN 1B LAUNCH VEHICLES

M-2 LIFTING BODY
  0101 0103 3501
  GS   LIFTING BODIES
       .LIFTING REENTRY VEHICLES
       .#M-2 LIFTING BODY
       ...M-2F2 LIFTING BODY
       REENTRY VEHICLES
       .MANEUVERABLE REENTRY BODIES
       ..LIFTING REENTRY VEHICLES
       ..#M-2 LIFTING BODY
       ....M-2F2 LIFTING BODY

M-2F2 LIFTING BODY
  0101 0102 0103 0104 0205
  GS   LIFTING BODIES
       .LIFTING REENTRY VEHICLES
       ..M-2 LIFTING BODY
       ..#M-2F2 LIFTING BODY
```