NASA THESAURUS SUPPLEMENT

JANUARY 1985

A three part cumulative supplement to the 1982 edition of the NASA Thesaurus
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INTRODUCTION

The NASA Thesaurus Supplement replaces the former 6-Month Cumulative Listing of the NASA Thesaurus Changes. This cumulative supplement to the NASA Thesaurus 1982 edition, incorporates all of the information normally contained in the previous publication as well as two new features: complete hierarchies and access vocabulary. It is hoped that the additional information and the improved legibility will make this a more useful product than its predecessor. Subsequent issues of the supplement will be cumulative and will be issued every six months. For detailed information on the use of the NASA Thesaurus Supplement, consult the front matter of the NASA Thesaurus 1982 edition.

Users are encouraged to consult the online NASA Thesaurus for the most complete and up-to-date information. Addenda to old hierarchies in the 1982 edition of the NASA Thesaurus are not given because they are readily found in the online NASA Thesaurus. Inclusion of such a feature would have substantially increased the size of the publication. In using the hierarchies in the online NASA Thesaurus, users are cautioned that these hierarchies list broad and narrow terms and not their interrelationships. The online NASA Thesaurus does not show the exact relationship when there are more than three broad and/or narrow terms.

New terms to this issue are indicated with a bullet and larger type. Designed for browsability, each new term appears in the format of the following example:

- Earthnet

Many times cross references are later made postable terms. These are shown in Part 3. When new cross references are added to older terms, the term that is referred to is not listed unless it is also a new term. For older terms check the printed or the online NASA Thesaurus.

Any comments or suggestions about this publication, including suggestions for new terms, should be directed to the Lexicographer, NASA Scientific and Technical Information Facility, P.O. Box 8757, BWI Airport, Maryland 21240.
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ASTROMASTS

- ARIES SOUNDING ROCKET-(CONT.)
  SOUNDING ROCKETS
  ARIES SOUNDING ROCKET

- ASTROMASTS
  USE LONGERONS

ASTRONOMICAL SATELLITES

- GS OBSERVATORIES
  ASTRONOMICAL OBSERVATORIES

ASTRONOMICAL SATELLITES

- HEAD
  HEAD 1
  HEAD 2
  HEAD 3

- OAO
  OAO 1
  OAO 2
  OAO 3

- OGO
  OGO 1
  OGO 2
  OGO 3
  OGO 4
  OGO 5
  OGO 6
  OGO 7
  OGO 8

- SPACE INFRARED TELESCOPE
  FACILITY
  SPARTAN SATELLITES

SATELLITES

- ARTIFICIAL SATELLITES
  ASTRONOMICAL SATELLITES
  HEAD
  OGO
  OAO
  SPACE INFRARED TELESCOPE
  FACILITY
  SPARTAN SATELLITES

EARTH SATELLITES

- ASTRONOMICAL SATELLITES
  HEAD
  OAO
  OAO 1
  OAO 2
  OAO 3
  OGO
  OGO 1
  OGO 2
  OGO 3
  OGO 4
  OGO 5
  OGO 6
  OGO 7
  OGO 8

- SPACE INFRARED TELESCOPE
  FACILITY
  SPARTAN SATELLITES

ATLANTIS (ORBITER)

- UF SPACE SHUTTLE ORBITER 104
  TRANSPORTATION
  SPACE TRANSIT SYSTEM
  SPACE SHUTTLE ORBITERS
  ATLANTIS (ORBITER)

- RT MANNED SPACE FLIGHT

ATLANTIS (ORBITER)-(CONT.)

- RECOVERABLE SPACECRAFT
  SPACE SHUTTLE MISSION 51-H
  SPACE SHUTTLE MISSION 51-J

- SPACECRAFT

ATMOSPHERIC CORRECTION

- RT ATMOSPHERIC EFFECTS
  CLOUDS (METEOROLOGY)
  GEOMETRIC RECTIFICATION (IMAGERY)
  IMAGE PROCESSING
  INFRARED RADIOMETERS
  RADIATIVE TRANSFER
  SATELLITE IMAGERY
  SPATIAL RESOLUTION

ATMOSPHERIC LOADING

- USE POLLUTION TRANSPORT

- ATOMIC INTERACTIONS
  USE LONGERONS

- AUDIO DATA
  RT AUDIO FREQUENCIES
  DATA TRANSMISSION

AUDIio SIGNALS

- RT AUDIO FREQUENCIES
  AUDITORY SIGNALS
  SIGNAL PROCESSING
  SIGNAL TRANSMISSION

AUTOMATED TRANSIT VEHICLES

- USE SPACECRAFT

- GS SURFACE VEHICLES
  AUTOMATED GUIDWAY TRANSIT VEHICLES
  CONVEYORS
  ELECTRIC MOTOR VEHICLES
  PASSENGERS
  RAIL TRANSPORTATION
  RAPID TRANSIT SYSTEMS
  TRANSPORTATION
  URBAN TRANSPORTATION

- VEHICLES

AUTUMN

- USE SEASONS

- GS SEASONS
  AUTUMN
  SUMMER
  WINTER

- AV-8B AIRCRAFT
  USE HARRIER AIRCRAFT

AWARDS

- USE EXCLUDES CONTACTS & GRANTS

- SN ASTRONAUTS
  SCIENTISTS

B

BACKWARD DIFFERENCING

- USE DIFFERENTIAL EQUATIONS

- NUMERICAL STABILITY
  PROBLEM SOLVING

BACKWARD FACING STEPS

- USE REARWARD FACING STEPS

- RT BOUNDARY LAYER FLOW
  FLOW GEOMETRY
  FLUID BOUNDARIES
  REATTACHED FLOW
  RECIRCULATING FLOW
  STAIRSTEPS
  STEPS

- 51-H
  SPACE SHUTTLE MISSION
  BAHAMAS

- GS ISLANDS
  WEST INDIES
  INDIAN OCEAN
  BAHAMAS

- NATIONS
  BAHAMAS

NASA THESAURUS SUPPLEMENT (PART 1)

- BAHAMAS-(CONT.)

- RT CARIBBEAN REGION

BALLOONING MODES

- USE MAGNETICALLY STABLE

- GS MACHINES
  BALLOONING MODES
  MAGNETICALLY STABLE
  PLASMA CONTROL
  PLASMA EQUILIBRIUM
  TEARING MACHINES

BAND RATING

- USE IMAGE PROCESSING

- GS BAND RATING
  BAND RATING

- RT IMAGE ENHANCEMENT
  MULTISPECTRAL BAND SCANNERS
  REMOTE SENSING
  SPECTRAL BANDS

- BANDGAP
  USE ENERGY GAPS (SOLID STATE)

BANDSTOP FILTERS

- GS ELECTROMAGNETIC WAVE FILTERS

- USE ELECTRIC FILTERS

- RT ADAPTIVE FILTERS
  BANDPASS FILTERS
  BANDWIDTH
  CRYSTAL FILTERS
  HIGH PASS FILTERS
  LOW PASS FILTERS
  MICROWAVE FILTERS
  OPTICAL FILTERS
  TRACKING FILTERS
  WAVEGUIDE FILTERS

BARYON RESONANCE

- USE ELEMENTARY PARTICLES

- GS PARTICLES
  BARYON RESONANCE
  RESONANCE

- RT BARYONS
  HYPERONS

BENIN

- USE NATIONS

- UF DAHOMEY
  NATIONS
  BENIN

RT AFRICA

BETA INTERACTIONS

- USE STRONG INTERACTIONS (FIELD THEORY)

BIOLIMATOLOGY

- USE BIOMETEOROLOGY

BIOFEEDBACK

- USE BIOMETEOROLOGY

- RT AEROSPACE MEDICINE
  BLOOD PRESSURE
  CONDITIONING (LEARNING)
  FEEDBACK CONTROL
  HEART RATE
  HUMAN FACTORS ENGINEERING
  PSYCHOLOGY
  SENSORY FEEDBACK

BIOMETEOROLOGY

- USE BIOMETEOROLOGY

- RT AEROSPACE MEDICINE
  BLOOD PRESSURE
  FEEDBACK CONTROL
  HEART RATE
  HUMAN FACTORS ENGINEERING
  PSYCHOLOGY

- RT BIOMETEOROLOGY
  NATIONS
  BENIN

RT AFRICA

BIOPROCESSING

- USE AEROSPACE MEDICINE

- RT AEROSPACE MEDICINE
  BIOTECHNOLOGY
  ELECTROPHORESIS
  MICROGRAVITY APPLICATIONS
  PHARMACOLOGY
  REDUCED GRAVITY
  SPACE PROCESSING
  SPACEDOPEXPERIMENTS
  WEIGHTLESSNESS
### Biot Numbers

<table>
<thead>
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### 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, signal to noise ratios, transmission efficiency.

### Blinking

- RT: Astronomical photometry, display devices, eye movements, visual perception.

### Borazon (Trademark)

- Use: Boron nitrides.

### Brazilian Space Program

- GS: Programs, space programs.
- RT: Brazil.

### British Columbia

- GS: Nations, Canada, British Columbia.

### Bruceton Test

- Use: Statistical tests.

### Brunt-Vaisala Frequency

- GS: Constraints, meteorological parameters.
- RT: Air currents, air flow, air masses, atmospheric circulation, atmospheric physics, atmospheric stratification, oscillations.

### Burkina

- UF: Upper Volta.
- GS: Nations, Burkina.
- RT: Africa.

### Burn-in

- RT: Failure, failure analysis, integrated circuits, quality control.

### Burst Tests

- RT: Containment, destructive tests, failure analysis, fracture mechanics, fracture strength, materials tests, pressure vessels.

### Business Management

- Use: Industrial management.

### CAM (Manufacturing)

- Use: Computer-aided manufacturing.

### CAD (Design)

- Use: Computer-aided design.

### CEREBRAL VENTRICLES

- RT: Cerebrospinal fluid.

### CAMBODIA

- Use: Kampuchea.

### Canadian spacecraft

- GS: Canadian spacecraft.
- RT: Canadian space programs.

### CARIBBEAN REGION

- RT: Bahamas, Barbados, Belize, Cuba, developing nations, Dominican Republic, French Guiana, Guyana, Haiti, Jamaica, Martinique, Suriname, Trinidad and Tobago, Virgin Islands.

### Carrington Rotation

- Use: Solar rotation.

### Cataclysmic Variables

- GS: Celestial bodies, stars.
- RT: Cataclysmic variables.

### Cavities

- RT: Electric fields, plasma density, plasma physics, plasma resonance.

### CDC Cyber 205 Computer

- GS: Data processing equipment, computers.
- RT: CDC computers, cyber 205 computer.

### Ceramic Matrix Composites

- GS: Ceramics, composite materials.
- RT: Ceramic matrix composites.

### Cluster Analysis

- RT: Classifications, image analysis, image processing, pattern recognition, remote sensing.

### Columbia (Orbiter)

- Use: Space shuttle orbiter 102.

### Charge Injection Devices

- GS: Electronic equipment, semiconductor devices, charge transfer devices.

### Chinese Aircraft

- RT: Aircraft.

### Chaos

- SN: Limited to physics.
- RT: Branching (Mathematics).

### Charge Transfer Devices

- GS: Charge transfer devices.

### China

- Use: Charge injection devices.

### Clark

- Use: Space shuttle transport.

### Circular Waveguides

- GS: Transmission lines, waveguides, circular waveguides.

### Circulation Distribution

- RT: Atmospheric circulation, distribution, velocity distribution.

### Clustering Analysis

- RT: Classifications, image analysis, image processing, pattern recognition, remote sensing.

### COLUMBIA (Orbiter)

- Use: Space shuttle orbiter 099.

### Columbia (Orbiter)

- Use: Space shuttle transportation.

### Computer-aided Design

- Use: Computer-aided design.
DESRIFICATION
RT ARID LANDS
BARREN LAND
DEATH VALLEY (CA)
DESSERTLINE
DESERTS
DROUGHT
EARTH ENVIRONMENT
GOBI DESERT
LAND USE
MAN ENVIRONMENT INTERACTIONS
MOJAVE DESERT (CA)
OASES
REMOTE SENSING
SAHARA DESERT (AFRICA)
STEPPESS
WADIS

DESYNCHRONIZATION (BIOLOGY)
GS BIOLOGICAL EFFECTS
DESYNCHRONIZATION (BIOLOGY)
DISORIENTATION
DESYNCHRONIZATION (BIOLOGY)
PSYCHOLOGICAL EFFECTS
DESYNCHRONIZATION (BIOLOGY)
RT JET LAG
PHYSIOLOGICAL RESPONSES
RHYTHM (BIOLOGY)

DIDYMIUM
RT LANTHANUM
NEODYMIUM
OPTICAL FILTERS
PRASEODYMIUM

DIFFERENTIAL ANALYZERS
RT ALGORITHMS
ANALOG COMPUTERS
COMPUTERIZED SIMULATION
DIFFERENTIAL EQUATIONS
DIGITAL COMPUTERS
DIGITAL INTEGRATORS

DIFFERENTIAL THERMAL ANALYSIS
USE THERMAL ANALYSIS

DIKES (GEOLOGY)
USE ROCK INTRUSIONS

DINING PHILOSOPHERS PROBLEM
RT DISTRIBUTED PROCESSING
INTERPROCESSOR COMMUNICATION
PROBLEM SOLVING
SYNCHRONISM

DIRECTION FINDING
RT BEARING (DIRECTION)
RADAR DIRECTION FINDERS
SIGNAL PROCESSING

DIRECTIONAL COUPLERS
RT ANTENNA COMPONENTS
COUPLERS
COUPLING
IMPEDANCE MATCHING
MICROSTRIP TRANSMISSION LINES
MICROWAVE COUPLING
TRANSMISSION LINES
YOKES

DIRECTORIES
RT HANDBOOKS
MANUALS

DISCOVERY (ORBITER)
USE SPACE SHUTTLE ORBITER 103

DISTRIBUTED PROCESSING
USE DMSP SATELLITES

DISTRIBUTED PROCESSING-(CONT.)
RT DISTRIBUTED PROCESSING
RT ARCHITECTURE (COMPUTERS)
COMPUTER NETWORKS
COMPUTER SYSTEMS DESIGN
DINING PHILOSOPHERS PROBLEM
MICROPROCESSORS

DMSP SATELLITES
USE DEFENSE METEOROLOGICAL SATELLITE PROGRAM
GS MILITARY SPACECRAFT
DMSP SATELLITES
PROGRAMS
DEFENSE PROGRAM
DMSP SATELLITES
RT AIR DEFENSE
EARTH SATELLITES
METEOROLOGY
PHOTOMAPPING
PHOTORECONNAISSANCE
REMOTE SENSING
SATELLITE-BORNE PHOTOGRAPHY

DOUBLE STARS
USE BINARY STARS

DRAG COEFFICIENTS
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)
RT AERODYNAMIC COEFFICIENTS
AERODYNAMIC DRAG
HYDRODYNAMIC COEFFICIENTS

DREDGING
RT ARTIFICIAL HARBOURS
HARBORS
MINERAL DEPOSITS
MINING
UNDERWATER RESOURCES

DRONES FOR AERODYNAMIC AND STRUCT TEST
USE DAST PROGRAM

DWARF GALAXIES
GS CELESTIAL BODIES
GALAXIES
DWARF GALAXIES
RT LOCAL GROUP (ASTRONOMY)

DYNAMICAL SYSTEMS
RT CONTROL THEORY
MATHEMATICAL MODELS
NONLINEAR SYSTEMS
SYSTEMS SIMULATION

DISTRIBUTED PROCESSING-(CONT.)

EARTHIET
RT EARTH OBSERVATIONS (FROM SPACE)
EARTH RESOURCES
ESA SATELLITES
EUROPEAN SPACE PROGRAMS
LANDSAT SATELLITES
REMOTE SENSORS
SYNTHETIC APERTURE RADAR

EASTERN HEMISPHERE
RT EARTH (PLANET)
GEOGRAPHY
WESTERN HEMISPHERE

EINSTEIN OBSERVATORY
USE HEAD 2

EL NINO

EL NINO

EL NINO

EL NINO
FRACATYS (CONT.)
SPACE
STRANGE ATTRACTIONS

FRAMES (DATA PROCESSING)
RT DATA MANAGEMENT
DATA PROCESSING
FORMAT
IMAGE PROCESSING

GALACTIC COSMIC RAYS
GS IONIZING RADIATION
COSMIC RAYS

GAS PATH ANALYSIS
GAS DIFFUSION

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

GRAIN SIZE (CONT.)
RT GRAIN BOUNDARIES
METAL FATIGUE
MICROSTRUCTURE
PARTICLE SIZE DISTRIBUTION

GRAVITATIONAL PHYSIOLOGY
GS PHYSIOLOGY
GRAVITATIONAL PHYSIOLOGY
RT ACCELERATION STRESSES
AEROSPACE MEDICINE
CENTRIFUGING STRESS
GRAVITATIONAL EFFECTS
PHYSIOLOGICAL ACCELERATION
PHYSIOLOGICAL EFFECTS
PHYSIOLOGICAL RESPONSES
SPACE FLIGHT STRESS
STRESS (PHYSIOLOGY)

GRAVITONS
GS PARTICLES
ELEMENTARY PARTICLES
GRAVITONS
NEUTRAL PARTICLES

GRAY SCALE
RT AERIAL PHOTOGRAPHY
IMAGE CONTRAST
IMAGE ENHANCEMENT
IMAGE PROCESSING
IMAGING TECHNIQUES
OPTICAL DATA PROCESSING
PATTERN RECOGNITION

GROUND RESONANCE
RT AERODYNAMIC STABILITY
GROUND EFFECT
HELIICOPTERS
ROTATION WINGS
ROTOR AERODYNAMICS

GYRES
RT AIR WATER INTERACTIONS
COASTAL CURRENTS
OCEAN CURRENTS
OCEANOGRAPHY

H
HAZARDOUS MATERIAL DISPOSAL (IN SPACE)
GS DISPOSAL
WASTE DISPOSAL
HAZARDOUS MATERIAL DISPOSAL (IN SPACE)
RT AEROSPACE ENVIRONMENTS
PUBLIC HEALTH
RADIOACTIVE WASTES
TOXICITY AND SAFETY HAZARD

HEAT TAPES
RT HEAT STORAGE
ICE PREVENTION

HELIOSEISMOLOGY
UF SOLAR DYNAMICS
SOLAR SEISMOLOGY
GS SEISMOLOGY
HELIOSEISMOLOGY
RT ASTROPHYSICS
SOLAR PHYSICS

HIGH REYNOLDS NUMBER
SN (RN ABOVE 3,000)
RT LOW REYNOLDS NUMBER
REYNOLDS NUMBER

HIGH SPEED PHOTOGRAPHY
GS PHOTOGRAPHY
HIGH SPEED PHOTOGRAPHY
RT HIGH SPEED CAMERAS
PHOTOMICROGRAPHIC RECORDING

HIGHLY MANEUVERABLE AIRCRAFT
UF HIMAT
RT AIRBORNE/SPACEBORNE COMPUTERS
AIRCRAFT
AIRCRAFT MANEUVERS
AUTOMATIC FLIGHT CONTROL
AUTOMATIC PILOTS
COMPUTERIZED SIMULATION
FIGHTER AIRCRAFT
FLIGHT CHARACTERISTICS
FLIGHT TESTING
REMOTELY PILOTED VEHICLES

HIMAT
USE HIGHLY MANEUVERABLE AIRCRAFT

HIPPARCOS SATELLITE
GS SATELLITES
ARTIFICIAL SATELLITES
ESA SATELLITES
HIPPARCOS SATELLITE
EARTH SATELLITES
ESA SATELLITES
HIPPARCOS SATELLITE
RT ASTROMETRY
EUROPEAN SPACE PROGRAMS
SPACEBORNE ASTRONOMY
STELLAR MOTIONS
STELLAR PARALLAX

HOLE BURNING
RT COMPUTER STORAGE DEVICES
HOLOGRAPHY
LASER APPLICATIONS
LASERS
LASING
MEMORY (COMPUTERS)

HR DIAGRAM
USE HERZSPRUNG-RUSSELL DIAGRAM

HUBBLE SPACE TELESCOPE
UF LARGE SPACE TELESCOPE
LST
SPACE TELESCOPE
TELESCOPES
SPACEBORNE TELESCOPES
HUBBLE SPACE TELESCOPE
RT FAINT OBJECT CAMERA
SPACE SHUTTLES
SPACE STATIONS
SPACEBORNE ASTRONOMY

HUMAN RELATIONS
UF INTERPERSONAL RELATIONS
RT EMPLOYEE RELATIONS
PERSONNEL MANAGEMENT
NASA THESSALURY SUPPLEMENT (PART 1)

LOCAL GROUP (ASTRONOMY)
GS CELESTIAL BODIES
Galaxies
Galactic Clusters
Local Group (Astronomy)
Andromeda Galaxies
RT Barred Galaxies
Cosmology
Disk Galaxies
Dwarf Galaxies
Elliptical Galaxies
Spiral Galaxies
Virgo Galactic Cluster
LOGIC PROGRAMMING
GS Software Engineering
Computer Programming
Logic Design
RT Artificial Intelligence
Expert Systems
Logic Design
LOSS OF COOLANT
UF Coolant Loss
GS Accidents
RT Coolants
Leakage
Losses
Magnetic Bearings
Nuclear Reactors
Reactor Materials
LOW INTENSITY X-RAY IMAGING SCOPE
Use LUXScopes
LOW REYNOLDS NUMBER
SN (Re Below 2,000)
RT High Reynolds Number
Reynolds Number
LUNAR ATMOSPHERE
UF Lunar Ionosphere
GS Environment
Extraterrestrial Environments
Lunar Environment
Lunar Atmosphere
Satellite Atmospheres
Lunar Atmosphere
RT Moon
Planetary Atmospheres
\* LYRA CONSTELLATION
GS Constellations
Lyra Constellation
RT Celestial Bodies
Celestial Sphere
Stars
MADAGASCAR
Use Malagasy Republic
MAGELLAN MISSION
GS Satellites
Artificial Satellites
Era Satellites
Magellan Mission
Earth Satellites
Esa Satellites
RT Extreme Ultraviolet Radiation
Far Ultraviolet Radiation
Spaceborne Astrometry
MAGNETIC BEARINGS
GS Bearings
Magnetic Bearings
RT Levitation
Magnetic Suspension
\* MAGNETIC ENERGY STORAGE
GS Energy Storage
Magnetic Energy Storage
Energy Technology
Magnet Coils
Magnetic Fields
Magnetic Energy Storage-(Cont.)
Superconducting Magnets
\* MAGNETIC SUSCEPTIBILITY
Use Magnetic Permeability
MAGSAT B SATELLITE
GS Satellites
Artificial Satellites
Magsat B Satellite
Earth Satellites
Magnetic Satellites
Scientific Satellites
MagSat B Satellite
RT Geomagnetism
Magnetometers
MANNEDE MANEUVERING UNITS
GS Extravehicular Mobility Units
Astronaut Maneuvering Equipment
Manned Maneuvering Units
RT Astronaut Locomotion
Extravehicular Activity
Life Support Systems
Orbital Servicing
Self Maneuvering Units
Space Suits
MAPIAT
GS Satellites
Artificial Satellites
Earth Satellites
Mapat
RT LandSat Satellites
Mapping
Remote Sensing
Stereophotography
MARGONI CONVERSION
GS Convection
Marigon Convection
RT Convective Flow
Free Convection
Interfacial Tension
Low Gravity Manufacturing
MELTS (Crystal Growth)
Reduced Gravity
Space Processing
MARECS MARITIME SATELLITES
GS ESA Spacecraft
Esa Satellites
Marecs Maritime Satellites
SATELLITES
Artificial Satellites
Communication Satellites
Marecs Maritime Satellites
Esa Satellites
Marecs Maritime Satellites
Maritime Satellites
Esa Satellites
Communication Satellites
Marecs Maritime Satellites
Maritime Satellites
Esa Satellites
Marecs Maritime Satellites
Maritime Satellites
RT European Space Programs
Satellite Networks
MARINER MARK 2 SPACECRAFT
RT Flyby Missions
Interplanetary Flight
Mars Spacecraft
MASS BARRED GALAXIES
GS Satellites
Artificial Satellites
Earth Satellites
Marecs Maritime Satellites
SATELLITES
MARITIME SATELLITES
RT Geomagnetism
Magnetometers
MARS 7 SPACECRAFT
GS Interplanetary Spacecraft
Mars Probes
Mars 7 Spacecraft
Soviet Spacecraft
MARS 7 SPACECRAFT
Unmanned Spacecraft
Space Probes
Mars Probes
Mars 7 Spacecraft
RT USSR Space Program
MEGAMECHANICS
RT Large Space Structures
Structural Analysis
Structural Engineering
MEGAMECHANICS-(CONT.)
Trusses
MEMORY (COMPUTERS)
RT Architecture (Computers)
Computer Design
Computer Storage Devices
Computers
Hole Burning
Magnetic Disks
Video Disks
MESFETS
Use Field Effect Transistors
MESH (MATHEMATICS)
Use Computational Grids
MESON RESONANCE
GS Particles
Elementary Particles
Mesons
Meson Resonance
X Mesons
Fermions
Meson Resonance
Nuclear Particles
Positrons
Mesons
Meson Resonance
X Mesons
Resonance
Meson Resonance
X Mesons
RT Baryons
Hyperons
\* METAL NITRIDES
GS Nitrogen Compounds
Nitriles
RT Aluminum Nitriles
Beryllium Nitriles
Tantalum Nitriles
Titanium Nitriles
Transition Metals
Zirconium Nitriles
METALLICITY
RT Abundance
Chemical Analysis
Chemical Composition
Galactic Clusters
Galaxies
Global Clusters
Hydrogen
Interstellar Matter
Mass Ratios
Metallic Stars
Metals
Spectroscopic Analysis
Star Clusters
Meteors
Technology Satellite
Use Explorer 46 Satellite
MICROGRAVITY
Use Reduced Gravity
MICROGRAVITY APPLICATIONS
SN (Use of a more specific term is recommended—consult the terms listed below)
RT Bioprocessing
Electrophoresis
Low Gravity Manufacturing
Space Commercialization
Space Manufacturing
SPACE PROCESSING
MICROMACHINES
RT Composite Materials
Crack Propagation
Fracture Mechanics
Mechanical Properties
Microstructure
Reinforcing Fibers
Stress Concentration
MILANKOVITCH THEORY
Use Climatology
MINIMAL SURFACES

MUSHY ZONES (CONT.)
COOLING
METALLOGRAPHY
PHASE TRANSFORMATIONS
SOLIDIFICATION

MINIMAL SURFACES
RT BOUNDARY VALUE PROBLEMS
CONFORMAL MAPPING
FINITE ELEMENT METHOD
= SURFACES

MUSHY ZONES
UF LIQUID PLUS SOLID ZONES
RT CASTING

MUSHY ZONES
RT MIXING DEPTH
= MIXING HEIGHT

MUSHY ZONES
RT MIXING DEPTH
= MIXING HEIGHT

MUCK
MT
N

MOS (JAPANESE SPACECRAFT)
USE JAPANESE SPACECRAFT

MOTION SIMULATION
GS HUMAN FACTORS ENGINEERING
SIMULATION
RT FLIGHT SIMULATION
FLIGHT SIMULATORS
MOTION SIMULATORS

MOZAMBIQUE
GS NATIONS
MOZAMBIQUE
RT AFRICA

MUDDY ZONES

MUCUS
GS BODY FLUIDS
MUCUS
RT SALIVA

MULTITEAM ANTENNAS
RT BEAMS (RADIATION)
SATELLITE ANTENNAS

MULTI-ANODE MICROCHANNEL ARRAYS
RT ANODES
ARRAYS
ASTRONOMICAL TELESCOPES
MICROCHANNELS
RADIATION DETECTORS
SPACEBORNE TELESCOPES

MULTITEMPORAL ANALYSIS
USE TEMPORAL RESOLUTION

MURCHISON METEORITE
GS CELESTIAL BODIES
Meteorites
STONY METEORITES
CHONDRITES
CARBONACEOUS CHONDRITES
MURCHISON METEORITE

MURCHISON METEORITE
GS NATIONS
CANADA
NORTHWEST TERRITORIES

MURCHISON METEORITE
GS NATIONS
CANADA
NORTHWEST TERRITORIES

NASA THESAURUS SUPPLEMENT (PART 1)

NOVA COMPUTERS
MINICOMPENES

NOVA SATELLITES
GS ARTIFICIAL SATELLITES
NAVIGATION SATELLITES
NOVA SATELLITES
EARTH SATELLITES
NAVIGATION SATELLITES
NOVA SATELLITES
UNMANNED SPACECRAFT
NAVIGATION SATELLITES
NOVA SATELLITES
RT DISCS (SATELLITE ATTITUDE CONTROL)
TRANSIT NAVIGATION SYSTEM

NOVA SCOTIA
GS NATIONS
CANADA
NOVA SCOTIA

NOWCASTING
GS FORECASTING
WEATHER FORECASTING
NOWCASTING
METEOROLOGY
WEATHER FORECASTING
NOWCASTING

NUCLEAR MEDICINE
GU MEDICAL SCIENCE
NUCLEAR MEDICINE RADIOPHYSICS
RT ANTIRADIATION DRUGS
HEALTH PHYSICS
RADIOPHYSICS

NUCLEAR WASTES
USE RADIOACTIVE WASTES

NUMERICAL DATA BASES
GS INFORMATION SYSTEMS
NUMERICAL DATA BASES
RT INFORMATION RETRIEVAL ON-LINE SYSTEMS

O

OPEN PROJECT
GU ORIGIN OF PLASMAS IN EARTH NEIGHBORHOOD
RT EARTH ATMOSPHERE
MAGNETOSPHERE
PLASMA DIAGNOSTICS
PLASMA PHYSICS
PLASMASPHERE
SATELLITE-BORNE INSTRUMENTS
SPACE PLASMAS

OPHIUCHI CLOUDS
RT CLOUD PHYSICS
INTERSTELLAR GAS
INTERSTELLAR MATTER
NEBULAE

OPTICAL BISTABILITY
GS ELECTROMAGNETIC PROPERTIES
OPTICAL PROPERTIES
OPTICAL BISTABILITY
RT HYSTERESIS
INTEGRATED OPTICS
LIGHT TRANSMISSION
NONLINEAR OPTICS
OPTICAL DATA STORAGE MATERIALS
OPTICAL EQUIPMENT
OPTICAL MEASURING INSTRUMENTS
OPTICAL MEMORY (DATA STORAGE)
OPTICAL WAVEGUIDES
SWITCHING CIRCUITS

OPTICAL COMPUTERS
GS DATA PROCESSING EQUIPMENT
COMPUTERS
OPTICAL COMPUTERS
RT COHERENT LIGHT
COMPUTER DESIGN
ELECTRO-OPTICS

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NASA THESAURUS SUPPLEMENT (PART 1)

OPTICAL COMPUTERS-(CONT.)
OPTICAL EQUIPMENT
OPTICAL MEMORY (DATA STORAGE)

OPTICAL DISKS
GS PERIPHERAL EQUIPMENT (COMPUTERS)
COMPUTER STORAGE DEVICES

OPTICAL DISKS
RT DATA STORAGE
LASER APPLICATIONS
OPTICAL DATA PROCESSING
OPTICAL EQUIPMENT
OPTICAL MEMORY (DATA STORAGE)
VIDEO DISKS

ORATORY
USE PUBLIC SPEAKING

ORBITAL MANEUVERING VEHICLES
RT ORBIT TRANSFER VEHICLES
ORBITAL SERVICING
POWER MODULES (STS)
REMOTELY PILOTED VEHICLES
SATELLITES
SPACECRAFT

ORIGIN OF PLASMAS IN EARTH NEIGHBORHOOD
USE OPEN PROJECT

OSCILLATOR STRENGTHS
RT ASSOCIATION SPECTRA
ABSORPTIVITY
ELECTRON OSCILLATIONS
ELECTRON TRANSITIONS
LINE SPECTRA
MOLECULAR OSCILLATIONS
MOLECULAR OSCILLATORS
OSCILLATORS
SPECTRAL LINE WIDTH

PARTICLE LADEN JETS
RT FUEL FLOW
JET FLOW
PARTICLES
TURBULENT FLOW

PAYLOAD TRANSFER
RT ORBITAL SERVICING
PAYLOAD RETRIEVAL (STS)
SPACE MAINTENANCE

PBB
USE POLYBROMINATED BIPHENYLS

PERSONAL COMPUTERS
GS DATA PROCESSING EQUIPMENT
COMPUTERS
DIGITAL COMPUTERS
MICROCOMPUTERS

PERSONAL COMPUTERS
RT COMPUTER TECHNIQUES

PHOTOCOCLONOMETRY
USE PHOTOMETRY

PIONEER 12 SPACE PROBE
USE PIONEER VENUS SPACECRAFT

PLANETARY RINGS
GS CELESTIAL BODIES
PLANETARY RINGS
JUPITER RINGS
SATURN RINGS
RT PLANETARY ATMOSPHERES
PLANETS
RINGS
URANUS RINGS

PLASMA ANTENNAS
GS ANTENNAS
PLASMA ANTENNAS
RT ANTENNA DESIGN
ANTENNA RADIATION PATTERNS
PLASMA CYLINDERS
SPACECRAFT COMMUNICATION

PLASMA BUBBLES
RT F REGION

PLASMA BUBBLES-(CONT.)
PLASMA DENSITY

POLAR CUSPS
RT AERONOMY
GEOMAGNETIC LATITUDE
GEOMAGNETIC TAIL
GEOMAGNETISM
GEOPHYSICS
INTERPLANETARY SPACE
LINES OF FORCE
MAGNETIC FIELD CONFIGURATIONS
MAGNETIC FIELDS
MAGNETOPAUSE
MAGNETOSPHERE
PLANETARY MAGNETIC FIELDS
POLAR REGIONS
SPACE PLASMAS

POLARITONS
GS POLARITONS
PLASMONS

POLYBROMINATED BIPHENYLS
UF PBB
GS TOXINS AND ANTITOXINS

POLYBROMINATED BIPHENYLS
RT FLAME RETARDANTS
POLYCHLORINATED BIPHENYLS

POSSEIDON SATELLITE
GS SATELLITES
ARTIFICIAL SATELLITES
POSSEIDON SATELLITE

POWER FACTOR CONTROLLERS
GS CONTROLLERS
POWER FACTOR CONTROLLERS
RT CURRENT REGULATORS
ELECTRIC MOTORS
ENERGY CONSERVATION
ENERGY CONVERSION EFFICIENCY
INDUCTION MOTORS
POWER EFFICIENCY
VOLTAGE REGULATORS

POWER LOSS
RT USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW
RT ENERGY DISSIPATION
POWER EFFICIENCY

PRE-MAIN SEQUENCE STARS
GS CELESTIAL BODIES
STARS
MAIN SEQUENCE STARS
PRE-MAIN SEQUENCE STARS
RT STELLAR EVOLUTION

PREPROCESSING
RT DATA PROCESSING
DATA REDUCTION
IMAGE PROCESSING

PRINCE EDWARD ISLAND
GS LANDFORMS
ISLANDS
PRINCE EDWARD ISLAND
NATIONS
CANADA
PRINCE EDWARD ISLAND

PRINCIPAL COMPONENTS ANALYSIS
RT IMAGE PROCESSING
IMAGING TECHNIQUES
KARHUNEN-LOEVE EXPANSION
PATTERN RECOGNITION

PROCEEDINGS
USE CONFERENCES

PROTOCOL (COMPUTERS)
RT CHANNELS (DATA TRANSMISSION)
COMMUNICATION NETWORKS
COMPUTER NETWORKS
DATA LINKS
DATA PROCESSING
DATA TRANSMISSION
PACKET SWITCHING

PSEUDOPOTENTIALS
GS IMPURITIES

RECTANGULAR WAVEGUIDES

PSEUDOPOTENTIALS-(CONT.)
PSEUDOPOTENTIALS
RT IMPURITIES
MELTING
SEMICONDUCTORS (MATERIALS)

PUBLIC SPEAKING
UF ORATORY
RT LECTURES
SPEECH

PULSE REPETITION RATE
GS RATES (PER TIME)
PULSE RATE
PULSE REPETITION RATE
RT USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW
RT FREQUENCY RESPONSE
OPTICAL PUMPING
PULSE DURATION
PULSE GENERATORS
PULSED LasERS

P78-2 SATELLITE
USE SCATHA SATELLITE

QUANTUM ELECTRONICS
RT USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW
RT LASERS
QUANTUM MECHANICS
QUANTUM THEORY

QUERY LANGUAGES
GS LANGUAGES
COMMAND LANGUAGES
QUERY LANGUAGES
RT INFORMATION RETRIEVAL

RADARSAT
GS CANADIAN SPACECRAFT
RADARSAT
RT CANADIAN SPACE PROGRAMS
SYNTHETIC APERTURE RADAR

RADIATION MEDICINE
USE NUCLEAR MEDICINE

RADIOCARDIOGRAPHY
GS BIOENGINEERING
BIOMETRICS
RADIOCARDIOGRAPHY
CARDIOLOGY
RADIOCARDIOGRAPHY
RT CARDIOLOGY

RAYLEIGH-BENARD CONVECTION
GS CONVECTION
FREE CONVECTION
RAYLEIGH-BENARD CONVECTION
FLUID FLOW
RAYLEIGH-BENARD CONVECTION
BENARD CELLS
RT CONVECTION CURRENTS
CONVECTIVE HEAT TRANSFER
FORCED CONVECTION
HOT SURFACES
LAMINAR FLOW
RAYLEIGH NUMBER
THERMAL BOUNDARY LAYER

REAGENTS
RT CATALYSTS
CHEMICAL ANALYSIS
CHEMICAL REACTIONS
REACTION KINETICS

REARWARD FACING STEPS
USE BACKWARD FACING STEPS

RECTANGULAR WAVEGUIDES
GS TRANSMISSION LINES
COMMUNICATION CABLES
WAVEGUIDES
RECTANGULAR WAVEGUIDES
**NASA THESAURUS SUPPLEMENT (PART 1)**

**SOFTWARE ENGINEERING-(CONT.)**
MULTIPROGRAMMING
ON-LINE PROGRAMMING
PARALLEL PROGRAMMING
SYMBOLIC PROGRAMMING

**RT** COMPUTER PROGRAMS
COMPUTER SYSTEMS DESIGN
COMPUTER SYSTEMS PROGRAMS
DATA BASES
SOFTWARE TOOLS
SYSTEMS ENGINEERING

**SOFTWARE TOOLS**
RT ARCHITECTURE (COMPUTERS)
COMPUTER PROGRAMMING
COMPUTER PROGRAMS
COMPUTER SYSTEMS DESIGN
COMPUTER SYSTEMS PROGRAMS
DATA BASE MANAGEMENT SYSTEMS
PROGRAM VERIFICATION (COMPUTERS)
SOFTWARE ENGINEERING

**SOLAR BACKSCATTER UV SPECTROMETER**
GS MEASURING INSTRUMENTS
SPACER THERMERS
SOLAR BACKSCATTER UV SPECTROMETER
RT IRIDUANCE
SATellite-BORNE INSTRUMENTS

• **SOLAR DYNAMICS**
USE HELIOSEISMOLGY

**SOLAR LASERS**
USE SOLAR-PUMPED LASERS

**SOLAR OPTICAL TELESCOPE**
UF SOT
GS TELESCOPES
SPACEBORNE TELESCOPES
SOLAR OPTICAL TELESCOPE
RT ASTRONOMICAL TELESCOPES
SOLAR INSTRUMENTS
SOLAR PHYSICS

**SOLAR PLANETARY INTERACTIONS**
GS SOLAR PLANETARY INTERACTIONS
SOLAR TERRESTRIAL INTERACTIONS
RT MAGNETIC DISTURBANCES
PLANETARY ATMOSPHERES
PLANETARY MAGNETIC FIELDS
PLASMA INTERACTIONS
SOLAR ACTIVITY
SOLAR ACTIVITY EFFECTS
SOLAR CORPUSCULAR RADIATION
SOLAR WIND
SOLAR WIND VELOCITY

**SOLAR RECEIVERS**
USE SOLAR COLLECTORS

• **SOLAR SEISMOLOGY**
USE HELIOSEISMOLGY

**SOLAR SELECTIVE COATINGS**
USE SELECTIVE SURFACES

**SOLAR THERMAL ELECTRIC POWER PLANTS**
GS ELECTRIC POWER PLANTS
SOLAR THERMAL ELECTRIC POWER PLANTS
RT e-POWER PLANTS
SOLAR ENERGY
THERMAL ENERGY

**SOLAR-PUMPED LASERS**
UF SOLAR LASERS
GS STIMULATED EMISSION DEVICES
LASERS
SOLAR-PUMPED LASERS
RT LASER PUMPING
OPTICAL PUMPING
SOLAR ENERGY CONVERSION
SOLAR RADIATION

**SOLRAD 10 SATELLITE**
USE EXPLORER 4 SATELLITE

• **SOLVOLYSIS**
GS RECLAMATION
MATERIALS RECOVERY
SOLVOLYSIS

**SOLVOLYSIS-(CONT.)**
RT RECYCLING
SOLVENTS

SONIC FATIGUE
USE ACOUSTIC FATIGUE

• **SORTIE SYSTEMS**
UF SORTIE CAN
SORTIE LAB
GS PAYLOADS
SORTIE SYSTEMS
RT SPACE LABORATORIES
SPACE SHUTTLE PAYLOADS
SPACE SHUTTLES
SPACE STATIONS
SPACELAB PAYLOADS

**SPACE COMMERCIALIZATION**
RT AEROSPACE INDUSTRY
COMMERCIAL SPACECRAFT
COMMUNICATION SATELLITES
MICROGRAVITY APPLICATIONS
SPACE INDUSTRIALIZATION
SPACE MANUFACTURING
SPACE PROCESSING
SPACECRAFT LAUNCHING
TECHNOLOGY TRANSFER

**SPACE HABITATS**
RT AEROSPACE ENVIRONMENTS
CLOSED ECOLOGICAL SYSTEMS
LIFE SUPPORT SYSTEMS
SPACE COLONIES
SPACE STATIONS
SPACECRAFT

• **SPACE INFRARED TELESCOPE FACILITY**
GS OBSERVATORIES
ASTRONOMICAL OBSERVATORIES
ASTRONOMICAL SATELLITES
SPACE INFRARED TELESCOPE FACILITY
SATELLITES
ARTIFICIAL SATELLITES
ASTRONOMICAL SATELLITES
SPACE INFRARED TELESCOPE FACILITY
TELESCOPES
ASTRONOMICAL TELESCOPES
INFRARED TELESCOPES
SPACE INFRARED TELESCOPE FACILITY

**SPACE OPERATIONS CENTER (NASA)**
GS MANNED SPACECRAFT
SPACE STATIONS
ORBITAL SPACE STATIONS
SPACE operations CENTER (NASA)
STATIONS
SPACE STATIONS
ORBITAL SPACE STATIONS
SPACE OPERATIONS CENTER (NASA)

**SPACE SHUTTLE MISSION 31-B**
RT CHALLENGER (ORBITER)

• **SPACE SHUTTLE MISSION 31-C**
UF SPACE SHUTTLE ORBITAL FLIGHT 7
STS-7
GS TRANSPORTATION
SPACE TRANSPORTATION
SPACE SHUTTLE SYSTEM
SPACE SHUTTLE MISSIONS
SPACE SHUTTLE MISSION 31-C
RT CHALLENGER (ORBITER)

**SPACE SHUTTLE MISSION 31-D**
UF SPACE SHUTTLE ORBITAL FLIGHT 8
STS-8
GS TRANSPORTATION
SPACE TRANSPORTATION
SPACE SHUTTLE SYSTEM
SPACE SHUTTLE MISSIONS
SPACE SHUTTLE MISSION 31-D
RT CHALLENGER (ORBITER)

**SPACE SHUTTLE MISSION 41-A**
UF SPACE SHUTTLE ORBITAL FLIGHT 9
STS-9
GS TRANSPORTATION
SPACE TRANSPORTATION
SPACE SHUTTLE SYSTEM
SPACE SHUTTLE MISSIONS
SPACE SHUTTLE MISSION 41-A
RT COLUMBIA (ORBITER)

**SPACE SHUTTLE MISSION 41-B**
UF STS-11
GS TRANSPORTATION
SPACE TRANSPORTATION
SPACE SHUTTLE SYSTEM
SPACE SHUTTLE MISSIONS
SPACE SHUTTLE MISSION 41-B
RT CHALLENGER (ORBITER)

**SPACE SHUTTLE MISSION 41-C**
UF STS-13
GS TRANSPORTATION
SPACE TRANSPORTATION
SPACE SHUTTLE SYSTEM
SPACE SHUTTLE MISSIONS
SPACE SHUTTLE MISSION 41-C
RT CHALLENGER (ORBITER)

**SPACE SHUTTLE MISSION 41-D**
UF STS-14
GS TRANSPORTATION
SPACE TRANSPORTATION
SPACE SHUTTLE SYSTEM
SPACE SHUTTLE MISSIONS
SPACE SHUTTLE MISSION 41-D
RT DISCOVERY (ORBITER)

**SPACE SHUTTLE MISSION 41-G**
UF STS-17
GS TRANSPORTATION
SPACE TRANSPORTATION
SPACE SHUTTLE SYSTEM
SPACE SHUTTLE MISSIONS
SPACE SHUTTLE MISSION 41-G
RT CHALLENGER (ORBITER)

**SPACE SHUTTLE MISSION 51-A**
UF STS-19
GS TRANSPORTATION
SPACE TRANSPORTATION
SPACE SHUTTLE SYSTEM
SPACE SHUTTLE MISSIONS
SPACE SHUTTLE MISSION 51-A
RT DISCOVERY (ORBITER)

**SPACE SHUTTLE MISSION 51-B**
UF STS-21
GS TRANSPORTATION
SPACE TRANSPORTATION
SPACE SHUTTLE SYSTEM
SPACE SHUTTLE MISSIONS
SPACE SHUTTLE MISSION 51-B
RT DISCOVERY (ORBITER)

**SPACE SHUTTLE MISSION 31-B (CONT.)**
RT CHALLENGER (ORBITER)

**SPACE SHUTTLE MISSION 31-C**
UF SPACE SHUTTLE ORBITAL FLIGHT 7
STS-7
GS TRANSPORTATION
SPACE TRANSPORTATION
SPACE SHUTTLE SYSTEM
SPACE SHUTTLE MISSIONS
SPACE SHUTTLE MISSION 31-C
RT CHALLENGER (ORBITER)

**SPACE SHUTTLE MISSION 31-D**
UF SPACE SHUTTLE ORBITAL FLIGHT 8
STS-8
GS TRANSPORTATION
SPACE TRANSPORTATION
SPACE SHUTTLE SYSTEM
SPACE SHUTTLE MISSIONS
SPACE SHUTTLE MISSION 31-D
RT CHALLENGER (ORBITER)

**SPACE SHUTTLE MISSION 41-A**
UF SPACE SHUTTLE ORBITAL FLIGHT 9
STS-9
GS TRANSPORTATION
SPACE TRANSPORTATION
SPACE SHUTTLE SYSTEM
SPACE SHUTTLE MISSIONS
SPACE SHUTTLE MISSION 41-A
RT COLUMBIA (ORBITER)

**SPACE SHUTTLE MISSION 41-B**
UF STS-11
GS TRANSPORTATION
SPACE TRANSPORTATION
SPACE SHUTTLE SYSTEM
SPACE SHUTTLE MISSIONS
SPACE SHUTTLE MISSION 41-B
RT CHALLENGER (ORBITER)

**SPACE SHUTTLE MISSION 41-C**
UF STS-13
GS TRANSPORTATION
SPACE TRANSPORTATION
SPACE SHUTTLE SYSTEM
SPACE SHUTTLE MISSIONS
SPACE SHUTTLE MISSION 41-C
RT CHALLENGER (ORBITER)

**SPACE SHUTTLE MISSION 41-D**
UF STS-14
GS TRANSPORTATION
SPACE TRANSPORTATION
SPACE SHUTTLE SYSTEM
SPACE SHUTTLE MISSIONS
SPACE SHUTTLE MISSION 41-D
RT DISCOVERY (ORBITER)

**SPACE SHUTTLE MISSION 41-G**
UF STS-17
GS TRANSPORTATION
SPACE TRANSPORTATION
SPACE SHUTTLE SYSTEM
SPACE SHUTTLE MISSIONS
SPACE SHUTTLE MISSION 41-G
RT CHALLENGER (ORBITER)

**SPACE SHUTTLE MISSION 51-A**
UF STS-19
GS TRANSPORTATION
SPACE TRANSPORTATION
SPACE SHUTTLE SYSTEM
SPACE SHUTTLE MISSIONS
SPACE SHUTTLE MISSION 51-A
RT DISCOVERY (ORBITER)

**SPACE SHUTTLE MISSION 51-B**
UF STS-21
GS TRANSPORTATION
SPACE TRANSPORTATION
SPACE SHUTTLE SYSTEM
SPACE SHUTTLE MISSIONS
SPACE SHUTTLE MISSION 51-B
RT DISCOVERY (ORBITER)
NASAs THESAURUS SUPPLEMENT (PART 1)

SULFIDATION
GS CHEMICAL REACTIONS
RT CORROSION RESISTANCE
GAS-METAL INTERACTIONS
HEAT RESISTANT ALLOYS
NIKEL ALLOYS
SULFATION
SULFIDES
SUPERCOMPUTERS
GS SUPERCOMPUTERS
CRAY COMPUTERS
SUPERCRITICAL AIRFOILS
GS AIRFOILS
SUPERCRITICAL AIRFOILS
SUPERCRITICAL WINGS
RT AIRFOIL PROFILES

SUPERLATTICES
GS CRYSTAL LATTICES
SUPERLATTICES
SEMICONDUCTORS (MATERIALS)
SUPERLATTICES
RT CRYSTAL DISLOCATIONS
CRYSTAL STRUCTURE
LATTICE PARAMETERS

SURFACE NOISE INTERACTIONS
RT ACOUSTIC EXCITATION
ACOUSTIC SCATTERING
AERODYNAMICS
AERODYNAMIC NOISE
TURBULENCE

SWATH WIDTH
RT AGRICULTURAL AIRCRAFT
FLIGHT PATHS
REMOTE SENSING
SATELLITE OBSERVATION

• SWEDISH SPACE PROGRAM
GS PROGRAMS
SPACE PROGRAMS
SWEDISH SPACE PROGRAM
RT EUROPEAN SPACE PROGRAMS
SWEDEN

SYMBIOTIC STARS
GS CELESTIAL BODIES
STARS
BINARY STARS
SYMBIOTIC STARS
HOT STARS
BLUE STARS
SYMBIOTIC STARS
PECEULAR STARS
SYMBIOTIC STARS
VARIABLE STARS
SYMBIOTIC STARS
RT ABSORPTION SPECTRA
ECLIPSING BINARY STARS
EMISSION SPECTRA
FLARE STARS
M STARS
NOVAE
STELLAR ENVELOPES
STELLAR MASS ACCRETION
STELLAR OSCILLATIONS
STELLAR SPECTRA
STELLAR TEMPERATURE

SYNCHROPHASING
RT AIRCRAFT NOISE
NOISE REDUCTION
PROPELLER BLADES
SYNCHRONISM

TRANSIT NAVIGATION SYSTEM
TATB
GS EXPLOSIVES
TATB
ROCKET PROPELLANTS
ROCKET PROPELLANTS
TATB
ROCKET OXIDIZERS

TAYLOR-GOERTLER INSTABILITY
USE GOERTLER INSTABILITY

TEARING MODES (PLASMAS)
RT BALLOONING MODES
MODES

TELEOPERATOR MANEUVERING SYSTEM
USE TELEOPERATORS

TELESCOPING STRUCTURES
USE FOLDING STRUCTURES

TEMPERATURE RATIO
RT DATA CORRELATION
HEAT TRANSFER
RATIOS
TEMPERATURE

THERMAL ANALYSIS
UF DIFFERENTIAL THERMAL ANALYSIS
DTA (ANALYSIS)
RT ANALYZING
HEAT TRANSMISSION
TEMPERATURE GRADIENTS
TEMPERATURE PROFILES

THERMAL GRAVIMETRY
USE THERMOGRAVIMETRY

THERMOGRAPHY
RT INFRARED IMAGERY
NONDESTRUCTIVE TESTS
TEMPERATURE DISTRIBUTION
TEMPERATURE MEASUREMENT
THERMAL MAPPING

THRUSTORS
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED-CONSULT THE TERMS
LISTED BELOW)
RT ION ENGINES
ROCKET ENGINES

TIME TEMPERATURE PARAMETER
RT AGING (METALLURGY)
AUSTENITIC STAINLESS STEELS
EMBRITTLEMENT
FRACTURE MECHANICS
LONG TERM EFFECTS
METALLOGRAPHY
PRECIPITATION HARDENING
TEMPERATURE EFFECTS

TIP VANES
GS ROTATING BODIES
ROTORs
TIP VANES
TURBOMACHINERY
TURBINES
WIND TURBINES
TIP VANES

TOPPING CYCLE ENGINES
RT AIRCRAFT ENGINES
LIQUID HYDROGEN
PROPELLION SYSTEM CONFIGURATIONS

TRANSATMOSPHERIC VEHICLES
RT AEROSPACE VEHICLES
AEROSPACEPLANES
= AIRCRAFT
AIRCRAFT DESIGN
= SPACECRAFT
SPACECRAFT DESIGN

TRANSIT NAVIGATION SYSTEM
GS SATELLITE NAVIGATION SYSTEMS
TRANSIT NAVIGATION SYSTEM
RT NASA PROGRAMS
NAVIGATION SATELLIITES
NOVA SATELLITES
TRANSIT SATELLITES

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TRIAMINOQUANIDINE NITRATE

UNIFIED FIELD THEORY

UNITED STATES

ULYSSES MISSION

ULTRALIGHT AIRCRAFT

ULYSSES MISSION

UNITED STATES (CONT.)

UNITED STATES

NASA THESAURUS SUPPLEMENT (PART 1)

VEGETATIVE INDEX (CONT.)

NASA THESAURUS SUPPLEMENT (PART 1)

VEGETATIVE INDEX (CONT.)

VEGETATIVE INDEX

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HOVERING
HOVERING STABILITY
PARACHUTES
ROTARY WINGS
 ROTOR AERODYNAMICS
 SPIN TESTS

WOLFRAM
USE TUNGSTEN

X

X RAY TIMING EXPLORER
 GS SATELLITES
 artificial satellites
 explorer satellites
 x ray timing explorer
 earth satellites
 explorer satellites
 x ray timing explorer

XENON CHLORIDE LASERS
 GS STIMULATED EMISSION DEVICES
 lasers
 gas lasers
 xenon chloride lasers
 rare gas-halide lasers
 xenon chloride lasers
 rt electron transitions
 excimer lasers
 laser materials
 laser outputs
 ultraviolet lasers

Y

* YUKON TERRITORY
 GS NATIONS
 CANADA
 YUKON TERRITORY
NASA THESAURUS SUPPLEMENT

PART 2
ACCESS VOCABULARY

A

A. SIR-
USE SHUTTLE IMAGING RADAR

A. Space Shuttle Mission 31-
USE SPACE SHUTTLE MISSION 31-A

A. Space Shuttle Mission 41-
USE SPACE SHUTTLE MISSION 41-A

A. Space Shuttle Mission 51-
USE SPACE SHUTTLE MISSION 51-A

A-310 AIRCRAFT

A-320 AIRCRAFT

Access, Demand Assignment Multiple
USE DEMAND ASSIGNMENT MULTIPLE ACCESS

ACCOUNTING

ACCRETION DISK

Accuracy, Geodetic
USE GEODETIC ACCURACY

Accuracy, Geometric
USE GEOMETRIC ACCURACY

ACEE PROGRAM

Acid, Nitrous
USE NITROUS ACID

Activity, Stellar
USE STELLAR ACTIVITY

ADA (PROGRAMMING LANGUAGE)

Adenosine Monophosphate, Cyclic
USE CYCLIC AMP

AEROASSIST

AEROBRACING

AERCAPTURE

Aerodynamic And Struct Test, Drones For
USE DAST PROGRAM

Aerodynamics, Interactional
USE INTERACTIONAL AERODYNAMICS

AEREOELASTIC RESEARCH WINGS

AEROMAGNETISM

AEROMANEUVERING

AGROPHYSICAL UNITS

Aided Design, Computer
USE COMPUTER AIDED DESIGN

Aided Manufacturing, Computer
USE COMPUTER AIDED MANUFACTURING

Aided Mapping, Computer
USE COMPUTER AIDED MAPPING

Air Pollution, Indoor
USE INDOOR AIR POLLUTION

AIR START

AIRBORNE LASERS

Aircraft, A-310
USE A-310 AIRCRAFT

Aircraft, A-320
USE A-320 AIRCRAFT

Aircraft, AV-8B
USE HARRIER AIRCRAFT

Aircraft, Chinese
USE CHINESE AIRCRAFT

Aircraft, Electric
USE FLY BY WIRE CONTROL

Aircraft Energy Efficiency Program
USE ACEE PROGRAM

Aircraft, Highly Maneuverable
USE HIGHLY MANEUVERABLE AIRCRAFT

AIRCRAFT POWER SUPPLIES

Aircraft, Ultralight
USE ULTRALIGHT AIRCRAFT

Aircraft, US-2A
USE S-2 AIRCRAFT

Aircraft, Vertical Attitude Takeoff-Landing
USE VATOL AIRCRAFT

Airfoils, Supercritical
USE SUPERCRITICAL AIRFOILS

ALBERTA

Alcock Comet, Iras-Araki-
Use IRAS-ARAKI-ALCOCK COMET

ALLENDE METEORITE

Amp, Cyclic
USE CYCLIC AMP

AMPHITRITE ASTEROID

Analysis, Cluster
USE CLUSTER ANALYSIS

Analysis, Data Flow
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USE FLUID MANAGEMENT

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USE HIGHLY MANEUVERABLE AIRCRAFT

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USE AEROMANEUVERING

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USE CONJUGATE GRADIENT METHOD

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Methods, Spectral

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USE MULTI-ANODE MICROCHANNEL ARRAYS

Microgravity

USE REDUCED GRAVITY

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- Neighborhood, Origin of Plasmas in Earth

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- Nitrogen Fixation
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NOAA 8 SATELLITE

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- Orbiters, Discovery
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- Orbiters, Discovery
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- Orbiters, Space Shuttle
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USE ACEE PROGRAM

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USE BIT ERROR RATE

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Ratio, Temperature
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SOFAR

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SOFTWARE TOOLS

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Solar Dynamics

Solar Lasers

SOLAR OPTICAL TELESCOPE

SOLAR PLANETARY INTERACTIONS

Solar Receivers

Solar Seismology

Solar Selective Coatings

SOLAR THERMAL ELECTRIC POWER PLANTS

SOLAR-PUMPED LASERS

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Solid Zones, Liquid Plus

SOLRAD 10 Satellite

SOLVOLYSIS

Sonic Fatigue

SORTIE SYSTEMS

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Stars, Pre-Main Sequence

Stars, Red Dwarf

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STATIC MODELS

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  USE BACKWARD FACING STEPS

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  USE MAGNETIC ENERGY STORAGE

STRAIN MEASUREMENT

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  USE RESIDUAL STRENGTH

Strength, Oscillator
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Struct Test, Drones For Aerodynamic And
  USE DAST PROGRAM

Structures, Data
  USE DATA STRUCTURES

Structures, Telescoping
  USE FOLDING STRUCTURES

ST-S-13
  USE SPACE SHUTTLE MISSION 41-C

ST-S-14
  USE SPACE SHUTTLE MISSION 41-D

ST-S-17
  USE SPACE SHUTTLE MISSION 41-G

ST-S-19
  USE SPACE SHUTTLE MISSION 51-A

ST-S-20
  USE SPACE SHUTTLE MISSION 51-C

ST-S-21
  USE SPACE SHUTTLE MISSION 51-B

ST-S-22
  USE SPACE SHUTTLE MISSION 51-E

ST-S-23
  USE SPACE SHUTTLE MISSION 51-D

ST-S-24
  USE SPACE SHUTTLE MISSION 51-F

ST-S-25
  USE SPACE SHUTTLE MISSION 51-G

ST-S-26
  USE SPACE SHUTTLE MISSION 51-L

ST-S-27
  USE SPACE SHUTTLE MISSION 51-I

ST-S-28
  USE SPACE SHUTTLE MISSION 51-J

ST-S-31
  USE SPACE SHUTTLE MISSION 51-H

SULFIDATION

SUPERCOMPUTERS

SUPERCritical AIRFOILS

SUPERLATTICES

Supplies, Aircraft Power
  USE AIRCRAFT POWER SUPPLIES

SURFACE NOISE INTERACTIONS

Surface Temperature, Sea
  USE SEA SURFACE TEMPERATURE

Surfaces, Minimal
  USE MINIMAL SURFACES

Surfaces, Selective
  USE SELECTIVE SURFACES

Susceptibility, Magnetic
  USE MAGNETIC PERMEABILITY

SWATH WIDTH

SWEDISH SPACE PROGRAM

SWISS SPACE PROGRAM

Switching Rectifiers, Reverse
  USE REVERSE SWITCHING RECTIFIERS

SYMBIOTIC STARS

SYNCHRONIZERS

System, Teleoperator Maneuvering
  USE TELEOPERATORS

System, Transit Navigation
  USE TRANSIT NAVIGATION SYSTEM

Systems Design, Control
  USE CONTROL SYSTEMS DESIGN

Systems, Dynamical
  USE DYNAMICAL SYSTEMS

Systems, Embedded Computer
  USE EMBEDDED COMPUTER SYSTEMS

Systems, Expert
  USE EXPERT SYSTEMS

Systems, Flight Management
  USE FLIGHT MANAGEMENT SYSTEMS

Systems, Geographic Information
  USE GEOGRAPHIC INFORMATION SYSTEMS

Systems, Integrated Library
  USE INTEGRATED LIBRARY SYSTEMS

Systems, Mobile Communication
  USE MOBILE COMMUNICATION SYSTEMS

Systems, Sortie
  USE SORTIE SYSTEMS

Systems, Virtual Memory
  USE VIRTUAL MEMORY SYSTEMS

TAGN

TAIWAN

Takeoff-Landing Aircraft, Vertical Attitude
  USE VATOL AIRCRAFT

Tapes, Heat
  USE HEAT TAPES

TATB

Taylor-Goertler Instability
  USE GOERTLER INSTABILITY

TEARING MODES (PLASMAS)

TECHNOLOGY SATellite, Meteorid
  USE EXPLORER 46 SATELLITE

Telecomm Satellites, European Large
  USE L-SAT

Teleoperator Maneuvering System
  USE TELEOPERATORS

Telescope Facility, Space Infrared
  USE SPACE INFRARED TELESCOPE FACILITY

Telescope, Bubble Space
  USE HUBBLE SPACE TELESCOPE

Telescope, Solar Optical
  USE SOLAR OPTICAL TELESCOPE

Telescope, Space
  USE HUBBLE SPACE TELESCOPE

Telescopic Structures
  USE FOLDING STRUCTURES

Temperature Parameter, Time
  USE TIME TEMPERATURE PARAMETER

TEMPERATURE RATIO

Temperature, Sea Surface
  USE SEA SURFACE TEMPERATURE

Temperature, Spin
  USE SPIN TEMPERATURE

Territories, Northwest
  USE NORTHWEST TERRITORIES

Territory, Yukon
  USE YUKON TERRITORY

Tests, Burst
  USE SURFL TESTS

Theory, Milankovitch
  USE CLIMATOLOGY

Theory, Unified Field
  USE UNIFIED FIELD THEORY

THERMAL ANALYSIS

Thermal Electric Power Plants, Solar
  USE SOLAR THERMAL ELECTRIC POWER PLANTS

Thermal Gravimetry
  USE THERMOGRAVIMETRY

THERMOCOPIES

THURSTORS

TIME TEMPERATURE PARAMETER

Timing Explorer, X Ray
  USE X RAY TIMING EXPLORER

TIP VANES

Tips, Crack
  USE CRACK TIPS

Tools, Software
  USE SOFTWARE TOOLS

TOURING CYCLE ENGINES

Towers, Vrirl
  USE WHIRL TOWERS
NUMERICAL LISTING

1, SEASAT
USE SEASAT 1

2 Satellite, P78-
USE SCATHA SATELLITE

2 Spacecraft, Mariner Mark
USE MARINER MARK 2 SPACECRAFT

2A Aircraft, US-
USE S-2 AIRCRAFT

4, LANDSAT
USE LANDSAT 4

5, LANDSAT
USE LANDSAT 5

7 Spacecraft, Mars
USE MARS 7 SPACECRAFT

8 Satellite, NOAA
USE NOAA 8 SATELLITE

8B Aircraft, AV-
USE HARRIER AIRCRAFT

10 Satellite, Sojrad
USE EXPLORER 44 SATELLITE

12 Space Probe, Pioneer
USE PIONEER VENUS SPACECRAFT

13, STS-
USE SPACE SHUTTLE MISSION 41-C

14, STS-
USE SPACE SHUTTLE MISSION 41-D

17, STS-
USE SPACE SHUTTLE MISSION 41-G

18, STS-
USE SPACE SHUTTLE MISSION 51-A

20, STS-
USE SPACE SHUTTLE MISSION 51-C

21, STS-
USE SPACE SHUTTLE MISSION 51-B

22, STS-
USE SPACE SHUTTLE MISSION 51-E

23, STS-
USE SPACE SHUTTLE MISSION 51-D

24, STS-
USE SPACE SHUTTLE MISSION 51-F

25, STS-
USE SPACE SHUTTLE MISSION 51-G

26, STS-
USE SPACE SHUTTLE MISSION 51-L

27, STS-
USE SPACE SHUTTLE MISSION 51-I

28, STS-
USE SPACE SHUTTLE MISSION 51-J
31, STS-
USE SPACE SHUTTLE MISSION 51-H

31-A, Space Shuttle Mission
USE SPACE SHUTTLE MISSION 31-A

31-B, Space Shuttle Mission
USE SPACE SHUTTLE MISSION 31-B

31-C, Space Shuttle Mission
USE SPACE SHUTTLE MISSION 31-C

31-D, Space Shuttle Mission
USE SPACE SHUTTLE MISSION 31-D

41-A, Space Shuttle Mission
USE SPACE SHUTTLE MISSION 41-A

41-B, Space Shuttle Mission
USE SPACE SHUTTLE MISSION 41-B

41-C, Space Shuttle Mission
USE SPACE SHUTTLE MISSION 41-C

41-D, Space Shuttle Mission
USE SPACE SHUTTLE MISSION 41-D

41-G, Space Shuttle Mission
USE SPACE SHUTTLE MISSION 41-G

44 Satellite, Explorer
USE EXPLORER 44 SATELLITE

46 Satellite, Explorer
USE EXPLORER 46 SATELLITE

51-A, Space Shuttle Mission
USE SPACE SHUTTLE MISSION 51-A

51-B, Space Shuttle Mission
USE SPACE SHUTTLE MISSION 51-B

51-C, Space Shuttle Mission
USE SPACE SHUTTLE MISSION 51-C

51-D, Space Shuttle Mission
USE SPACE SHUTTLE MISSION 51-D

51-E, Space Shuttle Mission
USE SPACE SHUTTLE MISSION 51-E

51-F, Space Shuttle Mission
USE SPACE SHUTTLE MISSION 51-F

51-G, Space Shuttle Mission
USE SPACE SHUTTLE MISSION 51-G

51-H, Space Shuttle Mission
USE SPACE SHUTTLE MISSION 51-H

51-I, Space Shuttle Mission
USE SPACE SHUTTLE MISSION 51-I

51-J, Space Shuttle Mission
USE SPACE SHUTTLE MISSION 51-J

51-L, Space Shuttle Mission
USE SPACE SHUTTLE MISSION 51-L

099, Space Shuttle Orbiter
USE CHALLENGER (ORBITER)

103, Space Shuttle Orbiter
USE DISCOVERY (ORBITER)

104, Space Shuttle Orbiter
USE ATLANTIS (ORBITER)

205 Computer, CDC Cyber
USE CDC CYBER 205 COMPUTER

310 Aircraft, A-
USE A-310 AIRCRAFT

320 Aircraft, A-
USE A-320 AIRCRAFT

954 Satellite, Cosmos
USE COSMOS 954 SATELLITE
AEROMAGNETISM
Use GEOMAGNETISM
Deleted, term now postable

BARYON RESONANCES
Transferred to BARYON RESONANCE

BIOCLIMATOLOGY
Transferred to BIOMETEOROLOGY

CAMBODIA
Transferred to KAMPUCHEA

CERCOCEBUS MONKEYS
Transferred to MONKEYS

CHINA (Array term)
Deleted

CHINA (MAINLAND)
Transferred to CHINA

CHINA (TAIWAN)
Transferred to TAIWAN

COMMONALITY (EQUIPMENT)
Transferred to COMMONALITY

COMPUTERIZED DESIGN
Transferred to COMPUTER AIDED DESIGN

CONDENSERS (LIQUIFERS)
Transferred to CONDENSERS (LIQUEFIERS)

COSMOS 1 SATELLITE
COSMOS 4 SATELLITE
COSMOS 7 SATELLITE
COSMOS 8 SATELLITE
COSMOS 11 SATELLITE
COSMOS 12 SATELLITE
COSMOS 15 SATELLITE
COSMOS 17 SATELLITE
COSMOS 41 SATELLITE
COSMOS 53 SATELLITE
COSMOS 55 SATELLITE
COSMOS 492 SATELLITE
COSMOS 1128 SATELLITE
COSMOS 1130 SATELLITE
COSMOS 1131 SATELLITE
COSMOS 1132 SATELLITE
COSMOS 1133 SATELLITE
COSMOS 1134 SATELLITE
COSMOS 1135 SATELLITE
COSMOS 1136 SATELLITE
COSMOS 1137 SATELLITE

DAHOMEY
Transferred to BENIN

DIKES
Use ROCK INTRUSIONS
Deleted

DIFFERENTIAL ANALYZERS
Use ANALOG COMPUTERS
Deleted, term now postable

DIFFERENTIAL THERMAL ANALYSIS
Transferred to THERMAL ANALYSIS

DIRECTORIES
Use INDEXES (DOCUMENTATION)
Deleted

DISCOVERER 5 SATELLITE
DISCOVERER 6 SATELLITE
DISCOVERER 15 SATELLITE
DISCOVERER 17 SATELLITE
DISCOVERER 18 SATELLITE
DISCOVERER 29 SATELLITE
DISCOVERER 30 SATELLITE
DISCOVERER 31 SATELLITE
DISCOVERER 32 SATELLITE
DISCOVERER 36 SATELLITE
DISCOVERER 38 SATELLITE

EXERCISE (PHYSIOLOGY)
Use PHYSICAL EXERCISE
Deleted

EXPERIMENTAL DESIGN
Transferred to EXPERIMENT DESIGN

EXPLORER 42 SATELLITE
Transferred to UHURU SATELLITE

FLUORPHLOGOPITE
Transferred to FLUOROPHLOGOPITE

GIOTTO MISSION
Use EUROPEAN SPACE PROGRAM
HALLEY'S COMET
Deleted, term now postable

GREEN FUNCTION
Transferred to GREEN'S FUNCTIONS

IMAGING RADAR
Use SYNTHETIC APERATURE RADAR
Deleted, term now postable

INFORMATION TRANSFER
Use COMMUNICATING
Deleted, term now postable

INTELSAT 1 SATELLITE
INTELSAT 2 SATELLITE
INTELSAT 3 SATELLITE
INTELSAT 4 SATELLITE
INTELSAT 5 SATELLITE
INTELSAT 59 SATELLITE
INTELSAT 5C SATELLITE
INTELSAT 5F SATELLITE
Transferred to INTELSAT SATELLITES

INTERNATIONAL SOLAR POLAR MISSION
Transferred to ULYSSES MISSION

ISSE A
Use INTERNATIONAL SUN EARTH EXPLORER 1
Deleted

ISSE B
Use INTERNATIONAL SUN EARTH EXPLORER 2
Deleted

ISSE C
Use INTERNATIONAL SUN EARTH EXPLORER 3
Deleted

ISSE 1
Use INTERNATIONAL SUN EARTH EXPLORER 1
Deleted

ISSE 2
Use INTERNATIONAL SUN EARTH EXPLORER 2
Deleted

ISSE 3
Use INTERNATIONAL SUN EARTH EXPLORER 3
Deleted

J-MESONS
Transferred to KAONS

LANDSAT C
Use LANDSAT 3
Deleted

LANDSAT D
Transferred to LANDSAT 4
LARGE SPACE TELESCOPE
Transferred to HUBBLE SPACE TELESCOPE

LES
Use LINCOLN EXPERIMENTAL SATELLITE
Changed to LES (SATELLITES)
Use LINCOLN EXPERIMENTAL SATELLITES

LOW INTENSITY X-RAY IMAGING SCOPE
Transferred to LOW INTENSITY X RAY IMAGING SCOPE

LOWER BODY NEGATIVE PRESSURE (LBNP)
Use ACCELERATION STRESSES (PHYSIOLOGY)
Deleted

LUNAR ATMOSPHERES
Transferred to LUNAR ATMOSPHERE

LYRAE CONSTELLATION
Transferred to LYRA CONSTELLATION

MANGABFYS
Transferred to MONKEYS

MESON RESONANCES
Transferred to MESON RESONANCE

MUCOUS
Transferred to MUCUS

NIMBUS F
Transferred to NIMBUS 6

NIMBUS G
Transferred to NIMBUS 7

NORTH VIETNAM
Transferred to NOVA SATELLITES

NOVA SATELLITE
Transferred to NOVA SATELLITES

OFT 5
Use SPACE TRANSPORTATION SYSTEM 5 FLIGHT
Deleted

OFT 6
Use SPACE TRANSPORTATION SYSTEM 6 FLIGHT
Deleted

OKHOTSK SEA
Transferred to SEA OF OKHOTSK

PAYLOAD TRANSFER (STS)
Transferred to PAYLOAD TRANSFER

PHASED LOCKED SYSTEMS
Transferred to PHASE LOCKED SYSTEMS

PROCEEDINGS
Transferred to CONFERENCES

RADIATION MEDICINE
Transferred to NUCLEAR MEDICINE

RCA SATCOM C
RCA SATCOM 1
RCA SATCOM 2
Transferred to RCA SATCOM SATELLITES

RECTANGULAR GUIDES
Transferred to RECTANGULAR WAVEGUIDES

ROMANIA
Use RUMANIA
Deleted

RUMANIA
Transferred to ROMANIA

SEASAT-A SATELLITE
Transferred to SEASAT 1

SORTIE CAN
Use SPACELAB
Replaced by Use SORTIE SYSTEMS

SORTIE LAB
USE SPACELAB
Replaced by Use SORTIE SYSTEMS

SPACE TRANSPORTATION SYSTEM 5 FLIGHT
SPACE TRANSPORTATION SYSTEM 6 FLIGHT
SPACE TRANSPORTATION SYSTEM 7 FLIGHT
SPACE TRANSPORTATION SYSTEM 8 FLIGHT
SPACE TRANSPORTATION SYSTEM 9 FLIGHT
SPACE TRANSPORTATION SYSTEM 10 FLIGHT
SPACE TRANSPORTATION SYSTEM 11 FLIGHT
SPACE TRANSPORTATION SYSTEM 12 FLIGHT
SPACE TRANSPORTATION SYSTEM 13 FLIGHT
SPACE TRANSPORTATION SYSTEM 14 FLIGHT
SPACE TRANSPORTATION SYSTEM 15 FLIGHT
Transferred to appropriate SPACE SHUTTLE MISSION numbered terms

SPACE TRANSPORTATION SYSTEM 5 FLIGHT
SPACE TRANSPORTATION SYSTEM 6 FLIGHT
SPACE TRANSPORTATION SYSTEM 7 FLIGHT
SPACE TRANSPORTATION SYSTEM 8 FLIGHT
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Transferred to appropriate SPACE SHUTTLE MISSION numbered terms

SPACE TRANSPORTATION SYSTEM 5 FLIGHT
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SPACE TRANSPORTATION SYSTEM 15 FLIGHT
Transferred to appropriate SPACE SHUTTLE MISSION numbered terms

SPACE TRANSPORTATION SYSTEM 5 FLIGHT
SPACE TRANSPORTATION SYSTEM 6 FLIGHT
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SPACE TRANSPORTATION SYSTEM 8 FLIGHT
SPACE TRANSPORTATION SYSTEM 9 FLIGHT
SPACE TRANSPORTATION SYSTEM 10 FLIGHT
SPACE TRANSPORTATION SYSTEM 11 FLIGHT
SPACE TRANSPORTATION SYSTEM 12 FLIGHT
SPACE TRANSPORTATION SYSTEM 13 FLIGHT
SPACE TRANSPORTATION SYSTEM 14 FLIGHT
SPACE TRANSPORTATION SYSTEM 15 FLIGHT
Transferred to appropriate SPACE SHUTTLE MISSION numbered terms

TEARING MODE (PLASMAS)
Transferred to TEARING MODES (PLASMAS)

THRUSTORS
Use ROCKET ENGINES
Deleted, term now postable

TIROS N SATELLITES
Transferred to TIROS N SERIES SATELLITES

TRANSIT 1A SATELLITE
TRANSIT 1B SATELLITE
TRANSIT 2A SATELLITE
TRANSIT 2B SATELLITE
TRANSIT 4A SATELLITE
TRANSIT 4B SATELLITE
TRANSIT 5A SATELLITE
Transferred to TRANSIT SATELLITES

TRANSPORTATION SYSTEM 5 FLIGHT
TRANSPORTATION SYSTEM 6 FLIGHT
TRANSPORTATION SYSTEM 7 FLIGHT
TRANSPORTATION SYSTEM 8 FLIGHT
TRANSPORTATION SYSTEM 9 FLIGHT
TRANSPORTATION SYSTEM 10 FLIGHT
TRANSPORTATION SYSTEM 11 FLIGHT
TRANSPORTATION SYSTEM 12 FLIGHT
TRANSPORTATION SYSTEM 13 FLIGHT
TRANSPORTATION SYSTEM 14 FLIGHT
TRANSPORTATION SYSTEM 15 FLIGHT
Transferred to appropriate SPACE SHUTTLE MISSION numbered terms

UNITED ARAB REPUBLIC
Deleted

UNITED STATES OF AMERICA
Transferred to UNITED STATES

UPPER VOLTA
Transferred to BURKINA
The three part cumulative NASA Thesaurus Supplement to the 1982 edition of the NASA Thesaurus includes Part 1, Hierarchical Listing, Part 2, Access Vocabulary, and Part 3, Deletions. The semiannual supplement gives complete hierarchies for new terms and includes new term indications for terms new to this supplement.