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# NASA THESAURUS
## 1982 Edition

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INTRODUCTION to the HIERARCHICAL LISTING

The NASA Thesaurus contains the authorized subject terms by which the documents in the NASA scientific and technical information system are indexed and retrieved. The NASA Thesaurus comprises two volumes: Volume 1 - Hierarchical Listing and Volume 2 - Access Vocabulary. The Hierarchical Listing contains all subject terms (postable and nonpostable) currently approved for use. The Listing includes terms appearing in the NASA Thesaurus, Preliminary Edition (December 1967), the NASA Thesaurus Alphabetical Update (September 1971), the NASA Thesaurus (January 1976), and other terms approved through March 1982. The Listing contains 16,713 postable terms and 3716 nonpostable terms. The Access Vocabulary contains postable terms, nonpostable terms, pseudoterms, and other entry terms to provide multiple access to the NASA Thesaurus terminology. The Access Vocabulary contains 40,661 entry terms.

The terminology of the NASA Thesaurus is based in large part on the actual indexing vocabulary developed by NASA during the sixties. Other thesauri, notably the DOD Thesaurus of Engineering and Scientific Terms, (AD-672000), have provided additional candidate terms. The general guidelines in creating and maintaining the NASA Thesaurus have been based on the COSATI Guidelines for the Development of Information Retrieval Thesauri (1 September 1967).

The NASA Thesaurus is updated periodically and perhaps reissued biennially. The optimal revision of the Thesaurus terms and cross references will, however, require the cooperation and input of users of the Thesaurus and of the NASA scientific and technical information system. Suggestions for term modification, deletion, and addition should be addressed to: Lexicographer, NASA Scientific and Technical Information Facility, P.O. Box 8757, BWI Airport, Maryland 21240.

DEFINITIONS and CONVENTIONS

The definitions and conventions employed in the NASA Thesaurus follow.

Postable terms. Subject terms that have been approved for use in indexing and retrieval, and thus, can be ‘posted’.

Nonpostable terms. Subject terms that are included for cross reference information and cannot be used for indexing or retrieval. The terms are also called ‘Use references’ which are mentioned in the section on Cross Reference Structure (page vi).

Term Selection. Subject terms have been chosen on the basis of their significance and use in aerospace literature and their effectiveness in incorporating productive retrieval concepts. Particular consideration has been given to frequency of use in earlier NASA indexing and search vocabularies, to relationships with other terms in the vocabulary, and to precise scientific and technical usage.

Grammatical Form. Subject terms are presented in the noun form. Expressions that were presented in earlier vocabularies as adjectives or verbs have been converted to the noun form.
**Singular vs. Plural.** The plural form has in general been used for subject terms. The singular form, however, is occasionally employed for specific processes, properties, conditions, and hardware.

**Term Length.** No more than 42 characters, including spaces, are used for any subject term. Various words in longer terms are often truncated.

**Term Ambiguity.** When subject terms have more than one meaning in aerospace usage, or where distinction between terms must be made, clarification is provided in one of two ways:

a) Parenthetical qualifying expressions or glosses are added, becoming part of the subject term. For example:

   SIZING (SHAPING)
   SIZING (SURFACE TREATMENT)

b) Parenthetical scope notes are also added for explanation or definition; they do not become part of the subject term. For example:

   SPECTROSCOPIC ANALYSIS
   SN (FOR SPECTROSCOPIC TOOLS IN CHEMICAL ANALYSIS)

**Direct Entry.** Subject terms that consist of more than one word are listed for direct entry, i.e., in their natural word order rather than in the inverted form. Inverted forms appear in the Access Vocabulary. For example:

   ANALYTICAL CHEMISTRY not CHEMISTRY, ANALYTICAL

**Abbreviations and Acronyms.** Abbreviations and acronyms that are in common use in the aerospace community are employed in this Thesaurus. In most cases USE cross references are made from the unabbreviated forms. For example:

   ORBITING SOLAR OBSERVATORY
   USE OSO

**Synonyms.** When candidate subject terms are true synonyms, one is chosen to be the valid, or postable term, and the other is provided with a USE cross reference. For example:

   COLUMBIUM
   USE NIOBium

**Array Terms.** Subject terms with meaning either too broad or ambiguous for effective indexing or retrieval of information, have been designated array terms and carry the following scope note: (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--
CONSULT THE TERMS LISTED BELOW. Relationships with other postable terms are shown by the Related Term (RT) reference only. For example:

\*BEAMS
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)
RT BEAMS (RADATION)
BEAMS (SUPPORTS)

An infinity symbol \* precedes an array term in each of its appearances in Volume 1.

Identifiers. In the NASA Thesaurus identifiers, i.e., subject terms that include a numeric or alphabetic designation, or both, for a specific model or item, are treated as regular subject terms and are provided complete cross references. For example:

F-111 AIRCRAFT
UF LASV
TFS 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 VARIABLE SWEEP WINGS

CROSS REFERENCE STRUCTURE

Cross reference relationships in the Hierarchical Listing are shown as follows:

<table>
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<td>Narrower term</td>
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<td>Related term</td>
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These cross references have the following applications:

Broader Term. This reference indicates that the term represents more inclusive concepts. In the Generic Structuring (GS), the Broader Terms appear above and to the left of the term
referenced. For example:

**REENTRY COMMUNICATION**

GS  TELECOMMUNICATION
   . SPACE COMMUNICATION
      . SPACECRAFT COMMUNICATION
         . REENTRY COMMUNICATION

TELECOMMUNICATION, SPACE COMMUNICATION and SPACECRAFT COMMUNICATION are Broader Terms to REENTRY COMMUNICATION.

**Narrower Term.** This reference indicates that the term represents more specific concepts. In the Generic Structuring (GS), the Narrower Terms appear below and to the right (indented) of the term referenced. For example:

GS  SCANNERS
    . COASTAL ZONE COLOR SCANNER
       . HORIZON SCANNERS
       . INFRARED SCANNERS
       . OPTICAL SCANNERS
          . FLYING SPOT SCANNERS
             . MULTISPECTRAL BAND SCANNERS

COASTAL ZONE COLOR SCANNER, HORIZON SCANNERS, INFRARED SCANNERS, and OPTICAL SCANNERS are Narrower Terms to SCANNERS. FLYING SPOT SCANNERS and MULTISPECTRAL BAND SCANNERS are narrower to both OPTICAL SCANNERS and SCANNERS.

The number of narrow terms is not limited. For example SATELLITES has over 500 narrower terms.

**Related Term (RT).** This indicates that the two terms are closely related conceptually but are not structured within the broader or narrower ‘tree,’ or hierarchy. The reciprocal of the RT reference ‘a’ is the RT reference ‘b’ and vice versa.

(a) RADAR EQUIPMENT
   RT  RADIO EQUIPMENT
(b) RADIO EQUIPMENT
    RT  RADAR EQUIPMENT

**Use (USE).** This indicates that the term is not ‘postable,’ i.e., not a valid term, and that the following term or terms should be used instead. For example:

STS
   USE  SPACE TRANSPORTATION SYSTEM
**Used For (UF).** This is a reciprocal of the USE cross reference and identifies valid, or 'postable,' terms. For example:

```
SPACE TRANSPORTATION SYSTEM
UF     STS
```

**ALPHABETIZATION**

The ordering of subject terms into an alphabetical arrangement can be accomplished in several ways. The most commonly used methods are the letter-by-letter, word-by-word, and the computer sorting order. In the absence of any universal agreement on a standardized approach, a word-oriented modification of the computer sorting technique has been adopted in this *Thesaurus* as the most useful and economic for this purpose.

Nonalphabetic characters are filed either at the beginning of the alphabet, at the end of the alphabet or are ignored altogether. Thus parens are filed before the alphabet in Volume 1. Parens are ignored for filing in Volume 2 due to permuting. Hyphens, slashes and periods follow blank spaces.

**RELATIONSHIP TO ACCESS VOCABULARY**

The *NASA Thesaurus Volume 2 - Access Vocabulary* is a useful companion to this volume and its use is encouraged. It provides thousands of additional 'access points' to the terms whose hierarchies are listed in this volume.
PREVIOUS EDITIONS OF THE NASA THESAURUS


HIERARCHICAL LISTING

Examples of entries and notations in the Hierarchical Listing follow:

POSTABLE TERM

SPACECRAFT COMMUNICATION

SN (COMMUNICATION OF SPACECRAFT WITH GROUND OR OTHER SPACECRAFT)

GSC TELECOMMUNICATION

SPATEL COMMUNICATION

... SPACECRAFT COMMUNICATION

... REENTRY COMMUNICATION

ARPA COMPUTER NETWORK

ASTRONICS

CIRCUMLUNAR COMMUNICATION

EARTH TERMINALS

FACSIMILE COMMUNICATION

GROUND-AIR-GROUND COMMUNICATION

INTERPLANETARY COMMUNICATION

LUNAR COMMUNICATION

OPTICAL COMMUNICATION

PACKET TRANSMISSION

RADIO COMMUNICATION

SATELLITE COMMUNICATIONS SHIPS

SATELLITE GROUND SUPPORT

SINGLE CHANNEL PER CARRIER TRANSMISSION

SYSTEM GENERATED

ELECTROMAGNETIC PULSES

UNIFIED S BAND

WIRELESS COMMUNICATION

NONPOSTABLE TERM

SATELLITE COMMUNICATION

USE SPACECRAFT COMMUNICATION

USE REFERENCE
A

A STARS
GS CELESTIAL BODIES
. . . STARS
. . . A STARS
RT BLUE STARS
PECULIAR STARS
WOLF-RAYET STARS

A-1 AIRCRAFT
UF SKYRAIDER AIRCRAFT
GS ATTACK AIRCRAFT
. . . A-1 AIRCRAFT
MCDONNELL, DOUGLAS AIRCRAFT
. . . A-1 AIRCRAFT
MONoplanes
. . . A-1 AIRCRAFT

A-2 AIRCRAFT
UF SAVAGE AIRCRAFT
GS ATTACK AIRCRAFT
. . . A-2 AIRCRAFT
JET AIRCRAFT
. . . A-2 AIRCRAFT
MONoplanes
. . . A-2 AIRCRAFT
NORTH AMERICAN AIRCRAFT
. . . A-2 AIRCRAFT
OBSERVATION AIRCRAFT
. . . A-2 AIRCRAFT

A-3 AIRCRAFT
UF AJD AIRCRAFT
GS SKYWARRIOR AIRCRAFT
ATTACK AIRCRAFT
. . . BOMBER AIRCRAFT
. . . A-3 AIRCRAFT
JET AIRCRAFT
. . . A-3 AIRCRAFT
MCDONNELL, DOUGLAS AIRCRAFT
. . . DOUGLAS AIRCRAFT
. . . A-3 AIRCRAFT
MONoplanes
. . . A-3 AIRCRAFT

A-4 AIRCRAFT
UF AO AIRCRAFT
GS SKYHAWK AIRCRAFT
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 J-45 ENGINE

A-5 AIRCRAFT
UF A3J AIRCRAFT
GS ATTACK AIRCRAFT
. . . BOMBER AIRCRAFT
. . . A-5 AIRCRAFT
JET AIRCRAFT
. . . A-5 AIRCRAFT
MONoplanes
. . . A-5 AIRCRAFT
NORTH AMERICAN AIRCRAFT
. . . A-5 AIRCRAFT
SUbSONIC AIRCRAFT
. . . A-5 AIRCRAFT

A-6 AIRCRAFT
UF A2F AIRCRAFT
GS INTRUDER AIRCRAFT
. . . A-6 AIRCRAFT
MCDONNELL, DOUGLAS AIRCRAFT
. . . A-6 AIRCRAFT
MONoplanes
. . . A-6 AIRCRAFT

A-7 AIRCRAFT
UF CORSAIR AIRCRAFT
GS ATTACK AIRCRAFT
. . . A-7 AIRCRAFT
JET AIRCRAFT
. . . A-7 AIRCRAFT
TURBOFAN AIRCRAFT
. . . A-7 AIRCRAFT
LONG-TEMCO-VOUGHT AIRCRAFT
. . . A-7 AIRCRAFT
MONoplanes
. . . A-7 AIRCRAFT

A-8 AIRCRAFT
GS ATTACK AIRCRAFT
. . . A-8 AIRCRAFT
NORTHROP AIRCRAFT
. . . A-8 AIRCRAFT
RECONNAISSANCE AIRCRAFT
. . . A-8 AIRCRAFT

A-9 AIRCRAFT
GS ATTACK AIRCRAFT
. . . A-9 AIRCRAFT
NORTHROP AIRCRAFT
. . . A-9 AIRCRAFT
RECONNAISSANCE AIRCRAFT
. . . A-9 AIRCRAFT

A-10 AIRCRAFT
GS ATTACK AIRCRAFT
. . . A-10 AIRCRAFT
REPUBLIC AIRCRAFT
. . . A-10 AIRCRAFT

A-11 SATELLITE
USE ECHO 1 SATELLITE

A-12 SATELLITE
USE ECHO 2 SATELLITE

A-13 SATELLITE
GS ATTACK AIRCRAFT
. . . A-13 SATELLITE
CESSNA AIRCRAFT
. . . A-13 SATELLITE
MONoplanes
. . . A-13 SATELLITE

A-14 AIRCRAFT
GS ATTACK AIRCRAFT
. . . A-14 AIRCRAFT
MCDONNELL, DOUGLAS AIRCRAFT
. . . DOUGLAS AIRCRAFT
. . . A-14 AIRCRAFT
MONoplanes
. . . A-14 AIRCRAFT

A-15 AIRCRAFT
GS ATTACK AIRCRAFT
. . . A-15 AIRCRAFT
MCDONNELL, DOUGLAS AIRCRAFT
. . . DOUGLAS AIRCRAFT
. . . A-15 AIRCRAFT
MONoplanes
. . . A-15 AIRCRAFT

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

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

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

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

ABBREVIATIONS
RT ABBREVIATIONS
ASPERICITY
BLURRING
CRITICAL OPTICS
DEVIATION
DISTORTION
GRAZING INCIDENCE
SPATIAL FILTERING

ABILITIES
UF PROFICIENCY
SKILLS
GS ARTS
. . . ABILITIES
RT CONSISTENCY
EFFORT
HUMAN FACTORS ENGINEERING
INCOMPATIBILITY
TRANSFER OF TRAINING

ABIOGENESIS
GS EVOLUTION (DEVELOPMENT)
. . . BIOLOGICAL EVOLUTION
. . . ABIOGENESIS
RT CHEMICAL EVOLUTION
LIFE SCIENCES
PANSPERMIA

ABLATED NOSETIPS
USE PANT PROGRAM

ABLATION
RT ABLATIVE MATERIALS
ABLATIVE NOSE CONES
AERODYNAMIC HEAT TRANSFER
AEROTHERMOCHEMISTRY
ATMOSPHERIC ENTRY
BLANKET (FAILURE)
CHARING
COOLING
DECOMPOSITION
EROSION
GAS-METAL INTERACTIONS
HEAT SHIELDING
IMPINGEMENT
JET IMPINGEMENT
ABLA TIVE MATERIALS

ABLATION (CONT.)
- MELTING
- ME LTING
- PYROLYSIS
- REENTRY
- REENTRY EFFECTS
- REENTRY PHYSICS
- REENTRY SHIELDING
- SUBLIMATION
- TEMPERATURE EFFECTS
- THERMAL ABSORPTION
- THERMAL DECOMPOSITION
- VAPORIZATION

ABLA TIVE MATERIALS
- ABLATION
- COOLING
- HEAT SHIELDING
- HEAT SINKS
- MATERIALS
- NOSE CONES
- NOZZLE INSERTS
- PYROLYTIC MATERIALS
- REFRAC TORY MATERIALS
- THERMAL CONTROL COATINGS
- THERMAL PROTECTION

ABLATIVE NOSE CONES
- GS CONES
- NOSE CONES
- ABLATIVE NOSE CONES
- RT ABLATION
- HEAT SHIELDING
- REENTRY SHIELDING
- REENTRY VEHICLES
- ROCKET NOSE CONES
- SHIELDING

ABLESTAR LAUNCH VEHICLE
- GS LAUNCH VEHICLES
- ABLESTAR LAUNCH VEHICLE
- MULTISTAGE ROCKET VEHICLES
- ABLESTAR LAUNCH VEHICLE
- RT LIQUID PROPELLANT ROCKET ENGINES

ABMB
- USE
- APOGEE BOOST MOTORS

ABNORMALITIES
- RT
- ABBREVIATION
- DEVIATION
- DISTORTION
- ECCENTRICITY
- IRREGULARITIES
- UNIQUENESS

ABORIGINALS
- RT
- ANTHROPOLOGY
- HUMAN BEINGS
- INHABITANTS

ABORT APPARATUS
- GS
- ABORT APPARATUS
- AIRCRAFT SAFETY
- ARRESTING GEAR
- BARRIERS
- BRakes (FOR ARRESTING MOTION)
- DRAG DEVICES
- EJECTION SEATS
- EQUIPMENT
- ESCAPE CAPSULES
- ESCAPE ROCKETS
- FLYING EJECTION SEATS

ABORT TRAJECTORIES
- GS
- ABORT TRAJECTORIES
- ABORTED MISSIONS
- MINDS (SYSTEMS)

ABORTED MISSIONS
- RT
- ABORT APPARATUS
- ARRESTING GEAR
- DESTRUCTION
- ENGINE FAILURE
- ESCAPE CAPSULES
- ESCAPE ROCKETS
- FAILURE
- MALFUNCTIONS
- MISSIONS

ABRASION
- RT
- ABRASIVES
- CHIPPING
- CLEANING
- CUTTING
- DRY FRICTION
- EROSION
- FILES (TOOLS)
- FRICTION
- GRINDING (MATERIAL REMOVAL)
- LESSIONS
- METALLOGRAPHY
- POLISHING
- SCORING
- SOIL EROSION
- TRIBOLOGY
- WEAR

ABRASION RESISTANCE
- GS
- MECHANICAL PROPERTIES
- ABRASION RESISTANCE
- RT
- HARDNESS
- RESISTANCE
- TOUGHNESS

ABRASIVES
- RT
- ABRASION
- ALUMINUM OXIDES
- CARBON RUDUM (TRADEMARK)
- CERAMICS
- DIAMONDS
- GRIT
- PUMICE
- QUARTZ
- SILICON CARBIDES

ABRUKOSOV THEORY
- RT
- CRYSTAL STRUCTURE
- ELECTROMAGNETIC FIELDS
- SUPERCONDUCTIVITY
- SUPERCONDUCTORS
- THEORIES
- VORTICES

ABSOLUTE ZERO
- GS
- TEMPERATURE
- ABSOLUTE ZERO
- RT
- CRYOGENICS
- SUBZERO TEMPERATURE
- TEMPERATURE EFFECTS
- TEMPERATURE SCALES
- ULTRALOW TEMPERATURES
- ZERO POINT ENERGY

ABSORBENTS
- UF
- MOLECULAR SIEVES
- GS
- SORBENTS
- ABRAM MENT
- ABSORPTION

ABSORPTION
- SN
- ELECTROMAGNETIC PROPERTIES
- OPTICAL PROPERTIES
- ABSORPTION
- RT
- ALBEDO
- CAPTURE EFFECT
- COSMIC RAY ALBEDO
- DENSITY (MASS/VOLUME)
- EARTH ALBEDO
- ELECTROMAGNETIC ABSORPTION
- LIGHT TRANSMISSION
- LUNAR ALBEDO
- OPAQUCY
- REFLECTANCE
- SURFACE PROPERTIES
- TRANSMISSION
- TRANSMITTANCE
- TRANSPARENCE
- TURBIDITY

ABSORPTION (CONT.)
- SN
- MATERIAL ABSORPTION
- REFRIGERATING MACHINERY
- SHOCK ABSORBERS

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

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

ABSORPTION (CONT.)
- SN
- (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
- RT
- ACTIVATED CARBON
- ABSORPTION
- ATOMIC COLLISIONS
- ATTENUATION
- BENEFICIATION
- CAPTURE EFFECT
- COLLISION PARAMETERS
- COSMIC RAY ALBEDO
- DAMPING
- DESCRIPTION
- DIFFUSION
- DRYING
- ELECTROMAGNETIC ABSORPTION
- ENERGY ABSORPTION
- GAMMA RAY ABSORPTION
- INFRARED SPECTRA
- MATERIAL ABSORPTION
- MATERIALS RECOVERY
- MULTIPHOTON ABSORPTION
- PERMEATING
- PLANETARY ATMOSPHERES
- RADIATION ABSORPTION
- SELF ABSORPTION
- SORPTION
- THERMAL ABSORPTION
- ULTRAVIOLET SPECTRA
- VISIBLE SPECTRUM
- X RAY ABSORPTION

ABSORPTION BANDS
- USE
- ABSORBANCE SPECTRA

ABSORPTION COEFFICIENT
- USE
- ABSORPTIVITY
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ADSORBENTS

ADVANCED TECHNOLOGY LIGHT TWIN AIRCRAFT
USE ATLAS PROJECT

ADVANCED TEST REACTORS
UF ALT REACTOR
GS NUCLEAR REACTORS
- NUCLEAR RESEARCH AND TEST REACTORS
- ADVANCED TEST REACTORS

ADVANCED VIDICON CAMERA SYSTEM (AVCS)
UF AVCS
GS COMMUNICATION EQUIPMENT
- ADVANCED VIDICON CAMERA SYSTEM (AVCS)
- TELEVISION SYSTEMS
- ADVANCED VIDICON CAMERA SYSTEM

ADVANCED X RAY ASTROPHYSICAL FACILITY
USE X RAY ASTROPHYSICS FACILITY

ADVANCED X RAY ASTROPHYSICS FACILITY
USE X RAY ASTROPHYSICS FACILITY

ADVANCING GLACIERS
USE GLACIERS

ADVANCING SHORELINES
USE BEACHES

ATMOSPHERIC CIRCULATION
USE ELUTION

AERIAL RUDDERS
USE AERIAL RUDDERS

AERIAL PHOTOGRAPHY
USE AERIAL PHOTOGRAPHY

AERIAL PHOTOGRAPHY
USE AERIAL PHOTOGRAPHY

AERIAL RUDDERS
USE AERIAL RUDDERS

AERIAL RUDDERS
USE AERIAL RUDDERS

AERIAL RECONNAISSANCE
USE AERIAL RECONNAISSANCE

AERIAL RECONNAISSANCE
USE AERIAL RECONNAISSANCE

AERIAL RUDDERS
USE AERIAL RUDDERS

AERIAL RUDDERS
USE AERIAL RUDDERS

AIR CONDITIONING EQUIPMENT
CHARCOAL
DESANCS
HEMOPERFUSION

ADVANCED RANGE INSTRUMENTATION AIRCRAFT
APPLET PROJECT
C-135 AIRCRAFT
DATA ACQUISITION
TELEMETRY

ADVANCED RANGE INSTRUMENTATION SHIP
UF ARS INSTRUMENTATION SHIP
GS WATER VESSELS
- SHIPS
- ADVANCED RANGE INSTRUMENTATION SHIP

ADVANCED RANGE INSTRUMENTATION SPACECRAFT
UF ARES (SPACECRAFT)
GS INTERPLANETARY SPACECRAFT
- MARS PROBES
- ADVANCED RECON ELECTRIC SPACECRAFT

ADVANCED SODIUM COOLED REACTOR
UF ASR REACTOR
GS NUCLEAR REACTORS
- LIQUID COOLED REACTORS
- LIQUID METAL COOLED REACTORS
- ADVANCED SODIUM COOLED REACTOR

ADVANCED TECHNOLOGY LABORATORY
STAE ABADIZED TECHNOLOGY LABORATORY
SPACE SHUTTLES
SPACECAB

AERIAL EXPLOSIONS
SN (EXPLOSIONS OCCURRING AT HEIGHTS LESS THAN 50 KM)
UF AIR BLASTS
GS EXPLOSIONS
- AERIAL EXPLOSIONS

AERIAL IMAGERY
USE AERIAL PHOTOGRAPHY

AERIAL IMAGERY
USE AERIAL PHOTOGRAPHY

AERIAL IMAGERY
USE AERIAL PHOTOGRAPHY

AERIAL IMAGERY
USE AERIAL PHOTOGRAPHY

ADVANCED ORBITING SOLAR OBSERVATORY
USE AOSO

ADVANCED SPACECRAFT
USE AERIAL PHOTOGRAPHY

ADVANCED SPACECRAFT
USE AERIAL PHOTOGRAPHY

ADVANCED SPACECRAFT
USE AERIAL PHOTOGRAPHY

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ADVANCED SPACECRAFT
USE AERIAL PHOTOGRAPHY
AIR BREATHING ENGINES

AIR CONDITIONING EQUIPMENT-(CONT.)

- AIR FILTERS
- DUST COLLECTORS
- SAME FILTERS
- VENTILATORS
- VENTILATION

AIR DROP OPERATIONS-(CONT.)

- CARGO
- DELIVERY
- FREE FALL
- OPERATIONS
- PARACHUTES
- PARAVUCOONS
- PARAWINGS

AIR DUCTS

- GS DUCTS
- . AIR DUCTS
- RT ANNUAL DUCTS
- BLOWERS
- EXHAUST NOZZLES
- FANS
- GAS FLOW
- VENTILATORS

AIR FILTERS

- GS CLEANERS
- . AIR FILTERS
- SEPARATORS
- . FLUID FILTERS
- FILTERS
- PRECIPITATORS
- VENTILATION

AIR FLOW

- GS FLUID FLOW
- . AIR FLOW
- . AIR CURRENTS
- . AIR CURRENTS
- MERIDIONAL FLOW
- RT VERTICAL AIR CURRENTS
- RT AERODYNAMIC INTERFERENCE
- ATMOSPHERIC BOUNDARY LAYER
- BAROTROPIC FLOW
- BLATON FORMULA
- COMPRESSIBLE FLOW
- CURRENTS
- DUCT GEOMETRY
- DUCTED FLOW
- STREAMLINING
- STREAMS
- VENTILATION

AIR FREIGHT

- USE AIR CARGO

AIR INLETS

- USE AIR INTAKES

AIR INTAKES

- USE AIR INLETS
- GS INTAKE SYSTEMS
- . AIR INTAKES
- . ENGINE INLETS
- HYPERSONIC INLETS
- INLET AIRFRAME CONFIGURATIONS
- . SUPERSONIC INLETS
- RT BYPASS RATIO
- CONICAL INLETS
- COWINGS
- INLET NOZZLES
- INLET TEMPERATURE
- INTERNAL COMPRESSION INLETS
- MANIFOLDS
- NACELLES
- NOSE INLETS
- PLUMEN CHAMBERS
- SCOOPS
- SIDE INLETS
- SUPERCARGERS
- SUPERSONIC DIFFUSERS
- VENTILATION
- VENTILATORS
- WATER INTAKES

AIR JETS

- USE AIR JETS
- . AIR JETS
- . AIR JETS
- FLUID JETS
- GAS JETS
- JETS
- VAPOR JETS
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AIRCRAFT USE = PCP (PERSONNEL)
### Alpha Particles

**Alpha Jet Aircraft (Cont.)**
- **RT** = AIRCRAFT
- **RT** = MILITARY AIRCRAFT

**Alpha Particles**
- **SN** = Emitted by Nuclei
- **UF** = Alpha Radiation
- **GS** = Ionizing Radiation
  - **. . .** = Alpha Particles
  - **. . .** = Elementary Particles
  - **. . .** = Bosons
  - **. . .** = Alpha Particles
  - **. . .** = Nuclear Particles
  - **. . .** = Bosons
  - **. . .** = Alpha Particles
  - **RT** = Alpha Trations
  - **RT** = Corpuscular Radiation
  - **RT** = Cosmic Rays
  - **RT** = Photoemission
  - **RT** = Deuteron Irradiation
  - **RT** = Deuteron Flux Density
  - **RT** = Helium
  - **RT** = Helium Ions
  - **RT** = Nuclear Radiation
  - **RT** = Nucleons
  - **RT** = Protons
  - **RT** = Radioactivity
  - **RT** = Solar Wind Velocity
  - **RT** = Tritons

**Alpha Plasma Devices**
- **GS** = Plasma Accelerators
- **GS** = Alpha Plasma Devices
- **RT** = Devices
- **RT** = Hall Accelerators
- **RT** = Magnetohydrodynamics
- **RT** = Plasma Physics

**Alpha Radiation**
- **USE** = Alpha Particles

**Alphabets**
- **RT** = Alphanumeric Characters
  - **Coded**
  - **Coding**
  - **Languages**
  - **Symbols**

**Alphanumeric Characters**
- **GS** = Alphanumeric Characters
  - **. . .** = Digits
  - **. . .** = Binary Digits
  - **RT** = Alphabets
  - **RT** = Instruction Sets (Computers)
  - **RT** = Light Emitting Diodes
  - **RT** = Numbers
  - **RT** = Symbols

**Alpha Trations**
- **GS** = Measuring Instruments
  - **. . .** = Pressure Gages
  - **. . .** = Vacuum Gages
  - **. . .** = Ionization Gages
  - **. . .** = Alpha Trations
  - **. . .** = Vacuum Apparatus
  - **. . .** = Ionization Gages
  - **. . .** = Alpha Trations

**Alpine Meteorology**
- **GS** = Meteorology
  - **. . .** = Alpine Meteorology
  - **. . .** = Aeronomy
  - **. . .** = Clouds (Meteorology)
  - **. . .** = Precipitation (Meteorology)
  - **. . .** = Storons (Meteorology)
  - **. . .** = Weather
  - **. . .** = Wind (Meteorology)

**Alps Mountains (Europe)**
- **GS** = Landforms
  - **. . .** = Mountains
  - **. . .** = Alps Mountains (Europe)
  - **RT** = Australia
  - **RT** = Europe
  - **RT** = Italy
  - **RT** = Switzerland
  - **RT** = West Germany

**Alpha Engine**
- **USE** = X-24E Engine

**Alpha Radiation**
- **USE** = Revisions

**Alternating Current**
- **GS** = AC (Current)
  - **GS** = Electric Current
  - **GS** = Alternating Current
  - **RT** = Alternating Current
  - **RT** = Current Converters (AC to DC)
  - **RT** = Direct Current
  - **RT** = Induction Motors
  - **RT** = Voltage Converters (DC to AC)

**Alternating Current Generators**
- **USE** = AC Generators

**Alternations**
- **GS** = Variations
- **GS** = Substitutions

**Alternators (Generators)**
- **USE** = AC Generators

**Altimeters**
- **GS** = Aircraft Instruments
  - **GS** = Altimeters
  - **GS** = Radio Altimeters
  - **GS** = Measuring Instruments
  - **GS** = Distance Measuring Equipment
  - **GS** = Altimeters
  - **RT** = Radio Altimeters
  - **RT** = Altimeter Approach Indicators
  - **RT** = Astrolabes
  - **RT** = Barometers
  - **RT** = Flight Instruments
  - **RT** = Hypsometers
  - **RT** = Landing Instruments
  - **RT** = Navigation Aids
  - **RT** = Navigation Instruments
  - **RT** = Position Indicators
  - **RT** = Range Finders
  - **RT** = Rate of Climb Indicators

**Altimeter**
- **GS** = Altitude
  - **GS** = Flight Altitude
  - **GS** = High Altitude
  - **GS** = Low Altitude
  - **GS** = Altitude
  - **GS** = Elevation
  - **GS** = Altitude Angle
  - **GS** = Height

**Altimeter Test**
- **GS** = Altitude Tests
  - **RT** = High Altitude Tests
  - **RT** = Engine Tests
  - **RT** = Full Scale Tests
  - **RT** = High Altitude Environments
  - **RT** = Test Vehicles

**Aluminum**
- **GS** = Aluminum Compounds
  - **GS** = Aluminum Potassium Compounds
  - **GS** = Aluminum Sulphur Compounds
  - **GS** = Aluminum

**Aluminum Compounds**
- **GS** = Aluminum Compounds
  - **GS** = SIALON
  - **GS** = CRYSOLITE
  - **GS** = SPINEL

**Aluminum Oxides**
- **GS** = Aluminum Oxides

**Aluminum Coatings**
- **USE** = Aluminum Coatings

**Aluminum Isotopes**
- **GS** = Aluminum Isotopes
  - **GS** = Aluminum 27

**Aluminum Metalloids**
- **GS** = Aluminum Metalloids
  - **GS** = Aluminum Antimonides
  - **GS** = Aluminum Arsenides
  - **GS** = Aluminum Borides
  - **GS** = Aluminum Boron

**Aluminum Alloys**
- **GS** = Aluminum Alloys
  - **GS** = Light Alloys
  - **GS** = Aircraft Alloys

**Aluminum Compounds**
- **GS** = Aluminum Compounds
  - **GS** = Aluminum Antimonides
  - **GS** = Aluminum Antimony Compounds
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  - **GS** = Aluminum Antimonides
AMPLIFIERS

AMPLIFIER
- Beam Plasma Amplifiers
- Broadband Amplifiers
- Cathode Ray Tubes
- Crossed Field Amplifiers
- 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
- Operational Amplifiers
- Parametric Amplifiers
- Postamplifiers
- Power Amplifiers
- Preamplifiers
- Push-Pull Amplifiers
- Servoamplifiers
- Transistor Amplifiers
- Traveling Wave Amplifiers
- Voltage Amplifiers

RT AMPLIDYNE
- Amplification
- Amplifier Design
- Capacitors
- Circuits
- 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
- Transistors
- Traveling Wave Masers

AMPLITRONs

USE PLANITRONs

AMPLITUDE DISTRIBUTION ANALYSIS

AMPLITUDE (CONT.)
- Intensity
- Level (Quantity)
- Magnitude
- Oscillations
- Picosecond Pulses
- Pulsed
- Standing Wave Ratios

AMPLITUDE PROBABILITY ANALYSIS

AMPLITUDES
- Amplitude
- Pulse Amplitude
- Scattering Amplitude
- Amplification Cycles
- Dimensions
- Displacement

NASA THESAURUS (VOLUME 1)

ANALOG COMPUTERS

ANALOG DATA

ANALOG SIMULATION

ANALOG TO DIGITAL CONVERTERS

ANALOGS

ANALYSIS

ANALYSIS (MATHEMATICS)

ANNALS OF THE FIELD OF MATHEMATICS WHICH ARISES FROM THE CALCULUS AND WHICH DEALS PRIMARILY WITH FUNCTIONS

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- ANDESITE
- FELDSPARS
- IGNEOUS ROCKS
- MINERALS
- SOILS

ANDORMA

- EUROPE
- FRANCE
- NATIONS
- PYRENEES MOUNTAINS (EUROPE)
- SPAIN

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- USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW
- ANDROMEDA CONSTELLATION
- ANDROMEDA GALAXIES

ANDROMEDA CONSTELLATION

- GS
- ANDROMEDA
- GS
- GS

ANDROMEDA GALAXIES

- GS
- CELESTIAL BODIES
- GS
- GS

ANEMOMETERS

- AIRCRAFT INSTRUMENTS
- SPEED INDICATORS
- ANEMOMETERS
- DRAG FORCE ANEMOMETERS
- SONIC ANEMOMETERS
- DISPLAY DEVICES
- SLEEP INDICATORS
- ANEMOMETERS
- DRAG FORCE ANEMOMETERS
- HOT-FILM ANEMOMETERS
- SONIC ANEMOMETERS
- MEASURING INSTRUMENTS
- INDICATING INSTRUMENTS
- SPEED INDICATORS
- ANEMOMETERS
- DRAG FORCE ANEMOMETERS
- HOT-FILM ANEMOMETERS
- SONIC ANEMOMETERS
- RT

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- VELOCITY MEASUREMENT
- WIND (METEOROLOGY)
- WIND MEASUREMENT

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- WIND VELOCITY MEASUREMENT

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- USE
- VELOCITY MEASUREMENT

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- GS
- ANESTHESIA
- ELECTROANESTHESIA
- RT
- ANALGESIA
- HYPNOSES
- SENSORY PERCEPTION
- UNCONSCIOUSNESS

ANEMOTRANCE

- GS
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- MEDICAL SCIENCE
- ANESTHESIOLOGY

ANGELS

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ANGULAR VELOCITY

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ANGULAR RESOLUTION

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UF ELECTRONIC STRUCTURE
RT ATOMS
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**GS**
- MISSILES
  - ATSAN MISSILES

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**NASA THESAURUS (VOLUME 1)**

**ATTACK AIRCRAFT**

**ATTACHMENT**

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
- UF REATTACHMENT
- RT ASSEMBLING
- COANDA EFFECT
- MOUNTING
- REATTACHED FLOW

**ATTACHMENTS**

- USE ACCESSORIES

**ATTACK**

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
- RT ATTACKING (ASSAULTING)
- CHEMICAL ATTACK

**ATTACK AIRCRAFT**

- GS ATTACK AIRCRAFT
  - A-1 AIRCRAFT
  - A-7 AIRCRAFT
  - A-9 AIRCRAFT
  - A-10 AIRCRAFT
  - A-37 AIRCRAFT
  - AH-64 HELICOPTER
  - BOOMER AIRCRAFT
  - A-2 AIRCRAFT
  - A-3 AIRCRAFT
  - A-4 AIRCRAFT
  - A-5 AIRCRAFT
  - A-6 AIRCRAFT
  - B-1 AIRCRAFT
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  - SHACKLETON BOMBER
  - BOMBER AIRCRAFT
  - VICTOR MK-1 AIRCRAFT
  - VULCAN AIRCRAFT
  - BREGUET 1150 AIRCRAFT
  - BUCCANEER AIRCRAFT
  - CL-41 AIRCRAFT
  - DM 150 AIRCRAFT
  - DH 112 AIRCRAFT
  - DH 115 AIRCRAFT
  - FIGHTER AIRCRAFT
  - ALPHA JET AIRCRAFT
  - F-2 AIRCRAFT
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**ATTACKING (ASSAULTING)**

- UF ASSAULTING
- GS VIOLENCE
- RT ATTACKING (ASSAULTING)
- MILITARY AIRCRAFT
- MIG AIRCRAFT
- JET AIRCRAFT
- MILITARY HELICOPTERS
- MRCA AIRCRAFT
- SUPERSONIC AIRCRAFT
- TERRAIN FOLLOWING AIRCRAFT
- V/STOL AIRCRAFT

**ATTENTION**

- RT ALERTNESS
- CONSCIOUSNESS

**ATTENUATION**

- GS ATTENUATION
  - ACOUSTIC ATTENUATION
  - SHOCK WAVE ATTENUATION
  - ATMOSPHERIC ATTENUATION
  - AURORAL ABSORPTION
  - MICROWAVE ATTENUATION
  - Sidelobe Reduction
  - WAVE ATTENUATION
  - RADAR ATTENUATION
  - RADIO ATTENUATION
  - MANDELSTAM REPRESENTATION
  - SHOCK WAVE ATTENUATION

- RT ABSORPTION
  - ATTENUATORS
  - DAMPING
  - DIFFRACTION
  - DISSIPATION
  - ELIMINATION
  - FADING
  - IMPEDANCE
  - 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**

- GS COEFFICIENTS
  - ATTENUATION COEFFICIENTS
  - DIFFUSION COEFFICIENT
  - FLOW COEFFICIENTS
  - IMPEDANCE
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  - REFLECTANCE
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- UF SATELLITE ATTITUDE DISTURBANCE
- GS DYNAMIC CHARACTERISTICS
- RT AERODYNAMIC STABILITY
- AIRCRAFT STABILITY
- SPACECRAFT STABILITY
- SATELLITE ATTITUDE CONTROL
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AVCS
USE ADVANCED VIDICON CAMERA SYSTEM (AVCS)

AVERAGE
GS AVERAGE
RT MEAN
RT DISTRIBUTION MOMENTS
RT MEDIAN (STATISTICS)
RT MODE (STATISTICS)
RT NORMALITY
RT NORMS
RT QUALITY CONTROL

AVIAN 2/180 AUTO GIRO
GS RESEARCH AIRCRAFT
RT AVIAN 2/180 AUTO GIRO
VISTOL AIRCRAFT
RT ROTARY WING AIRCRAFT
RT AUTOGYROS
RT AW 650 AIRCRAFT

AVIATION
USE AERONAUTICS

AVIATORS
USE AIRCRAFT PILOTS

AVIDIN
GS PROTEINS
RT ALBUMINS
RT AVIDIN
RT BOTIN

AVIONICS
RT AERONAUTICS
AIRBORNE EQUIPMENT
AIRCRAFT COMMUNICATION
AIRCRAFT EQUIPMENT
AIRCRAFT INSTRUMENTS
ASTRONAUTICS
RT ASTRONAUTICS
RT CONTROL
RT ELECTRONICS
RT GUIDANCE (MOTION)
HEAD-UP DISPLAYS
SYSTEMS INTEGRATION
RT TEST EQUIPMENT
VIDEOMARK LANDMARK ACQUISITION AND TRACKING

AVOIDANCE
GS AVOIDANCE
RT COLLISION AVOIDANCE
RT BEACON COLLISION AVOIDANCE
RT EARLY WARNING SYSTEMS
RT VORTEX AVOIDANCE
RT ACCIDENT PREVENTION
RT HAZARDS
RT TRAFFIC
RT TRAFFIC CONTROL
RT WARNING SYSTEMS

AVRO WHITWORTH HS-748 AIRCRAFT
USE HS-748 AIRCRAFT

AVRO 698 AIRCRAFT
USE VULCAN AIRCRAFT

AVRO 707 AIRCRAFT
GS HAWKER SIDDELEY AIRCRAFT
RT AVRO 707 AIRCRAFT
JET AIRCRAFT
RT AVRO 707 AIRCRAFT
RESEARCH AIRCRAFT
RT AVRO 707 AIRCRAFT
TAILLESS AIRCRAFT
RT AVRO 707 AIRCRAFT
DELTA WINGS
VULCAN AIRCRAFT

AW 650 AIRCRAFT
UF GLOSTER AW-650 AIRCRAFT
WHITWORTH GLOSTER AW-650 AIRCRAFT
GS HAWKER SIDDELEY AIRCRAFT
AW 650 AIRCRAFT
JET AIRCRAFT
RT TURBOPROP AIRCRAFT
AW 650 AIRCRAFT
MONOPLANES
AW 650 AIRCRAFT

AXIAL LOADS
GS LOADS (FORCES)
RT AXIAL LOADS
RT AXIAL COMPRESSION LOADS
RT AERODYNAMIC LOADS
RT COMPRESSION LOADS
RT DYNAMIC LOADS
RT STATIC LOADS
RT STRUCTURAL DESIGN CRITERIA
RT THRUST LOADS

AXIAL MACHINES
GS MACHINES
RT AXIAL MACHINES
RT COMBUSTION STABILITY
RT LASER MACHINES
RT PROPELLANT MACHINES
RT ROCKETS

AXIAL STRAIN
GS STRAIN
RT AXIAL STRAIN
RT TENSILE STRAIN

AXIOMS
GS POSTULATES
GS MATHEMATICAL LOGIC
GS AXIOMS
RT KNOWLEDGE
RT LOGIC
RT MATHEMATICS

AXISYMMETRIC BODIES
GS SYMMETRICAL BODIES
GS AXISYMMETRIC BODIES
RT BLUNT BODIES
RT BODIES
RT BODIES OF REVOLUTION
RT CONICAL BODIES
RT DUCTED BODIES
RT LENTICULAR BODIES
RT MISSILE BODIES
RT SLENDER BODIES
RT SLENDER CONES
RT STREAMLINED BODIES

AXISYMMETRIC DEFORMATION
USE AXIAL STRAIN

AXISYMMETRIC FLOW
GS FLUID FLOW
RT AXISYMMETRIC FLOW
RT ANULAR FLOW
RT KARMAN-BODEWADT FLOW
RT AXIAL FLOW
RT COAXIAL FLOW
RT CONICAL FLOW
RT COUETTE FLOW
RT CROCCO METHOD
RT CYLINDRICAL WAVES
RT FLOW GEOMETRY
RT HELICAL FLOW
RT THREE DIMENSIONAL BOUNDARY LAYER

AXISYMMETRY
USE SYMMETRY

AXLES
USE SHAFTS (MACHINE ELEMENTS)

AXONS
GS CELLS (BIOLOGY)
GS AXONS
GS NERVOUS SYSTEM
GS AXONS
RT NEUROTRANSMITTERS

AZEOTROPES
RT BINARY MIXTURES
RT MIXTURES
RT SOLUTIONS

AZIDES (INORGANIC)
GS AZIDES (INORGANIC)
GS NITROGEN COMPOUNDS
AZIDES (ORGANIC)

AZIDES (INORGANIC) (CONT.)

- HYDROGEN AZIDES
- SODIUM AZIDES

AZIDES (ORGANIC)

GS NITROGEN COMPOUNDS

- AZIDES (ORGANIC)
- SODIUM AZIDES
- TRIAMINOQUATNUM AZIDE
- TRIAMINOQUATNUM HYDRAZONIUM AZIDE

RT EXPLOSIVES

AZIMUTH

UF SOLAR AZIMUTH

RT ALTITUDE

ANGLES (GEOMETRY)
ASTRONOMICAL COORDINATES
BEARING (DIRECTION)
CELESTIAL REFERENCE SYSTEMS

DIRECTION
ELEVATION ANGLE
LOOK ANGLES (TRACKING)
NAVIGATION

POSITION (LOCATION)

AZINES

GS HETEROCYCLIC COMPOUNDS

- AZINES
  - CYANURATES
  - CYANURIC ACID
  - MECLIZINE
  - METHYLENE BLUE
  - PHENOTHIAZINES

- PYRONES

- AZINES
  - CYANURATES
  - CYANURIC ACID
  - MECLIZINE
  - METHYLENE BLUE
  - PHENOTHIAZINES

RT DYES

AZO COMPOUNDS

GS NITROGEN COMPOUNDS

- AZO COMPOUNDS
  - RDX

RT DYES

AZOLES

GS HETEROCYCLIC COMPOUNDS

- AZOLES
  - ACETAZOLAMIDE
  - OXAZOLE
  - PYRONES
  - CARBAZOLE
  - INDOL
  - TRYPHTOPHAN

AZOTOBACTER

GS MICROORGANISMS

- BACTERIA
- AZOTOBACTER

AZULENE

GS HETEROCYCLIC COMPOUNDS

- AZULENE
  - TERPENES
  - AZULENE

AZUR SATELLITE

GS SATELLITES

- EARTH SATELLITES
  - AZUR SATELLITE
  - SCIENTIFIC SATELLITES

- AZUR SATELLITE

RT EUROPEAN SPACE PROGRAMS INTERNATIONAL COOPERATION NASA PROGRAMS WEST GERMANY

AZF AIRCRAFT

USE A-6 AIRCRAFT

AZD AIRCRAFT

USE A-3 AIRCRAFT

AZJ AIRCRAFT

USE A-4 AIRCRAFT

AZL AIRCRAFT

USE A-5 AIRCRAFT

AZM AIRCRAFT

USE A-7 AIRCRAFT

AZP AIRCRAFT

USE A-8 AIRCRAFT

AZQ AIRCRAFT

USE A-9 AIRCRAFT

AZB AIRCRAFT

USE A-10 AIRCRAFT

AZC AIRCRAFT

USE A-11 AIRCRAFT

AZD AIRCRAFT

USE A-12 AIRCRAFT

AZS AIRCRAFT

USE A-13 AIRCRAFT

AZT AIRCRAFT

USE A-14 AIRCRAFT

AZU AIRCRAFT

USE A-15 AIRCRAFT

AZV AIRCRAFT

USE A-16 AIRCRAFT

AZW AIRCRAFT

USE A-17 AIRCRAFT

AZX AIRCRAFT

USE A-18 AIRCRAFT
### NASA THESAURUS (VOLUME 1)

#### BEAM WAVEGUIDES (CONT.)
- Plasmaguides
- Rectangular guides
- Wave propagation
- Yokes

#### BEAMS
- Sn (Use of a more specific term is recommended—consult the terms listed below)
- RT (Beams (radiation))
- GS (Beams (supports))

#### BEAMS (RADIATION)
- GS (Beams (radiation))
- Gamma ray beams
- Microbeams
- Atomic beams
- Electron beams
- Relativistic electron beams
- Ion beams
- Neutral beams
- Molecular beams
- Neutron beams
- Neutrino beams
- Pion beams
- Proton beams
- Phonon beams
- Photon beams
- Light beams
- Radar beams

#### BEAMS (INTERACTIONS)
- Beam interactions
- Beam neutralization
- Beam splitters
- Beam switching

#### BEAMS (SUPPORTS)
- UF (Structural beams)
- GS (Structural members)
- Beams (supports)
- Box beams
- Cantilever beams
- Curved beams
- I beams
- Rectangular beams
- Timoshenko beams

#### BEAMSHAPING
- Use colonization

#### BEARING
- Sn (Use of a more specific term is recommended—consult the terms listed below)
- RT (Bearing (direction))
- GS (Bearings, internal combustion engines)

#### BEARING (ALIGNMENT)
- Azimuth
- Bearing
- Direction
- Exposures
- Field of view
- Instrument orientation
- Orientation
- Position (location)
- Sound localization
- Space orientation

#### BEARING ALLOYS
- GS (Alloys)
- Bearing alloys
- Aluminum alloys
- Babbitt metal
- Bearings
- Cadmium alloys
- Copper alloys
- Iron alloys
- Lead alloys
- Metal powder
- Silver alloys
- Tin alloys
- Zinc alloys

#### BEARINGLESS ROTORS
- GS (Bearings)
- Antifriction bearings
- Ball bearings
- Roller bearings
- Foil bearings
- Gas bearings
- Journal bearings
- Liquid bearings
- Needle bearings

#### BEARS
- GS (Animals)
- Vertebrates
- Mammals
- Bears

#### BEAT FREQUENCIES
- GS (Frequencies)
- Beat frequencies
- Group velocity
- Intermediate frequency amplifiers
- More effects
- Resonant frequencies
- Standing waves
- Superheterodyne receivers

#### BEAUTHSEA (NORTH AMERICA)
- GS (Seas)
- Beaufort sea (North America)

#### BEAVERTON (NORTH AMERICA)
- GS (Seas)

#### BEDS
- RT (Beds (process engineering))

#### BEDDING EQUIPMENT
- RT (Blankets)

#### BEEDISATES
- GS (Celestial bodies)
- Meteorites
- Stony meteorites
- Textites

#### BEDROCK
- UF (Shields (geology))

#### BEDS (GEOLGY)
- UF (Lake beds)
- GS (Landforms)

#### BEDS (PROCESS ENGINEERING)
- RT (Beds)

#### BEECHCRAFT AIRCRAFT
- GS (Beechcraft aircraft)
- C-33 Aircraft

#### BEECHCRAFT 95 AIRCRAFT
- GS (Beechcraft aircraft)
- C-33 Aircraft

#### BEECHCRAFT 18 AIRCRAFT
- GS (Beechcraft aircraft)
- C-33 Aircraft

#### BEECHCRAFT 99 AIRCRAFT
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- C-33 Aircraft

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- GS (Beechcraft aircraft)
- C-33 Aircraft
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|              | - BOROHYDRIDES |
|              | - BERYLLIUM BOROHYDRIDES |
|              | - HYDROGEN COMPOUNDS |
|              | - HYDRIDES |
|              | - BOROHYDRIDES |
|              | - ALUMINUM BOROHYDRIDES |
|              | - BERYLLIUM BOROHYDRIDES |
| RT           | BORANES |
|              | BORON HYDRIDES |

| BORON | GS CHEMICAL ELEMENTS |
|       | - METALLURDS |
|       | - BORON |
|       | - BORON ISOTOPES |
|       | - BORON 10 |
| RT    | BORON REINFORCED MATERIALS |
|       | BORSIC (TRADENAME) |

| BORON ALLOYS | GS ALLOYS |
|             | - BORON ALLOYS |
|             | RT METALLOIDS |

| BORON CARBIDES | GS BORON COMPOUNDS |
|               | - BORON CARBIDES |
|               | - CARBON COMPOUNDS |
|               | - CARBIDES |
|               | - BORON CARBIDES |
| RT            | BORAL |

| BORON CHLORIDES | GS BORON COMPOUNDS |
|                | - BORON CHLORIDES |
|                | - HALOGEN COMPOUNDS |
|                | - CHLORINE COMPOUNDS |
|                | - CHLORIDES |
|                | - BORON CHLORIDES |
|                | - HALIDES |
|                | - CHLORIDES |
|                | - BORON CHLORIDES |

| BORON COMPOUNDS | GS BORON COMPOUNDS |
|                | - ALUMINUM BOROHYDRIDES |
|                | - BORATES |
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|                | - BORIC ACIDS |
|                | - BORIDES |
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|                | - BERYLLIUM BOROHYDRIDES |
|                | - BORON CARBIDES |
|                | - BORON CHLORIDES |
|                | - BORON OXIDES |
|                | - BORON HYDRIDES |
|                | - BERYLLIUM BOROHYDRIDES |
|                | - CARBON |
|                | - CARBORANE |
|                | - HYDRABORANE |
|                | - PENTABORANES |
|                | - BORON NITRIDES |
|                | - BORON OXIDES |
|                | - BORON PHOSPHIDES |
| RT             | = GROUP 1A COMPOUNDS |
|                | - HIGH ENERGY FUELS |
|                | - METAL ALLOYS |

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|                          | - BORON 10 |
|                          | - BORON 10 |

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|                       | - BORON-EPOXY COMPOUNDS |
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|                       | - BORON-EPOXY COMPOUNDS |
| RT                    | AIRCRAFT STRUCTURES |
|                       | COMPOSITE STRUCTURES |
|                       | EPOXY RESINS |
|                       | FIBER COMPOSITES |
|                       | LAMINATES |
|                       | PLASTIC AIRCRAFT STRUCTURES |
|                       | SPACECRAFT COMPONENTS |
|                       | SUPERHYBRID MATERIALS |

| BOROSILICATE GLASS | UPR PYREX (TRADEMARK) |
|                    | GS GLASS |
|                    | RT BOROSILICATE GLASS |
|                    | GLASSWARE |
|                    | SILOXON DIOXIDE |

| BORSIC (TRADENAME) | GS COMPOSITE MATERIALS |
|                    | - METAL MATRIX COMPOSITES |
|                    | - BORSIC (TRADENAME) |
|                    | MIXTURES |
|                    | METAL MATRIX COMPOSITES |
| RT                 | ALUMINUM |
|                    | BORON |
|                    | BORSIC |
|                    | FIBER COMPOSITES |
|                    | METALS |

| BOSE GEOMETRY | GS GEOMETRY |
|              | - BOSE GEOMETRY |
|              | RT EQUATIONS OF STATE |

| BOSE-CHAUDHURI-HOCQUENGHEM CODES | USE BCH CODES |

| BOSE-EINSTEIN STATISTICS | USE QUANTUM STATISTICS |

| BOSON FIELD | RT FIELD THEORY (PHYSICS) |
|            | - FIELDS |
|            | MESONS |

| BOXONS | GS PARTICLES |
|        | - ELEMENTARY PARTICLES |
|        | - BORONS |
|        | - ALPHON PARTICLES |
|        | - MESONS |
|        | - E-TA-MESONS |
|        | - K-MESONS |
|        | - KAONS |
|        | - MESON RESONANCES |
|        | - X MESONS |
|        | - MUONS |
|        | - PIONS |
|        | - VECTOR MESONS |
|        | - J-RHO-MESONS |
|        | - SIGMA-MESONS |
|        | - PHOTONS |
|        | - LIGHT BEAMS |
|        | - XI HYPERONS |
|        | NUCLEAR PARTICLES |
|        | - BORSONS |
|        | - ALPHA PARTICLES |
|        | - MESONS |
|        | - ETA-MESONS |
|        | - K-MESONS |
|        | - KAONS |
|        | - MESON RESONANCES |
|        | - X MESONS |
|        | - MUONS |
|        | - PIONS |
|        | - VECTOR MESONS |
|        | - J-RHO-MESONS |

| BORON FIBERS | GS FIBERS |
|             | - REINFORCING FIBERS |
|             | - BORON FIBERS |
| RT          | ALUMINUM BORON COMPOSITES |
|             | BORSIC (TRADENAME) |

| BORON 10 | GS CHEMICAL ELEMENTS |
|          | - METALLURDS |
|          | - BORON |

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BREADBOARD MODELS-(CONT.)

PROTOTYPES

BREAKAWAY

USE BOUNDARY LAYER SEPARATION

BREAKDOWN

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

RT DESTRUCTION fragmentation separation

BREAKWATERS

UF JETTIES sea walls

RT CONCRETE STRUCTURES harbors littoral drift littoral transport oceanography structural design structures underwater engineering underwater structures water waves waves

BREAKING

SN USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT TERMS LISTED BELOW

RT ARGON-OXYGEN ATMOSPHERES breathing vibration emergency breathing techniques expiration helium-oxygen atmospheres high altitude breathing hypercapnia hyperpnea oxygen breathing respiration respiratory reflexes

BREAKING APPARATUS

GS BREATHING APPARATUS oxygen masks underwater breathing apparatus

RT EQUIPMENT life support systems oxygen supply equipment portable life support systems respirators

BREAKING VIBRATION

GS VIBRATION structural vibration breathing vibration

RT bending vibration breathing exhausting missile vibration venting

BRECIA

GS ROCKS breccia
desert igneous rocks regolith sedimentary rocks soils

BREEDER REACTORS

GS NUCLEAR REACTORS breeder reactors experimental breeder reactor 1 experimental breeder reactor 1 light water breeder reactors

BREEDER REACTORS-(CONT.)

. . liquid metal fast breeder reactors

RT enrico fermi atomic power plant nuclear power reactors

BREEDING (REPRODUCTION)

RT FERTILITY genetics heredity reproduction reproduction (biology)

BREGUET AIRCRAFT

GS BREGUET AIRCRAFT breguet 940 aircraft breguet 941 aircraft breguet 942 aircraft breguet 945 aircraft breguet 947 aircraft breguet 1150 aircraft breguet 1151 aircraft jaguar aircraft

BREGUET 940 AIRCRAFT

GS BREGUET AIRCRAFT breguet 940 aircraft monoplanes breguet 940 aircraft research aircraft breguet 940 aircraft short takeoff aircraft v/stol aircraft short takeoff aircraft . . . breguet 940 aircraft

BREGUET 941 AIRCRAFT

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

BREGUET 942 AIRCRAFT

GS BREGUET AIRCRAFT breguet 942 aircraft jet aircraft turboprop aircraft . . . breguet 942 aircraft monoplanes breguet 942 aircraft passenger aircraft breguet 942 aircraft transport aircraft cargo aircraft breguet 942 aircraft v/stol aircraft short takeoff aircraft . . . breguet 942 aircraft

BREGUET 1150 AIRCRAFT

GS ATLANTIC AIRCRAFT breguet 1150 aircraft attack aircraft breguet 1150 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

BREMSTRAHLUNG

GS ELECTROMAGNETIC RADIATION bremsstrahlung bremsstrahlung cerenkov radiation electron photon cascades electron radiation far ultraviolet radiation gamma ray bursts gamma rays nuclear radiation

BRIGHTNESS DISTRIBUTION

GS ELECTROMAGNETIC RADIATION

. . . relativistic plasmas synchrotron radiation x rays

BRIGHTNESS DISCRIMINATION

GS DISCRIMINATION BRIGHTNESS DISCRIMINATION Illumination visual perception

BRIGHTNESS DISTRIBUTION

GS DISTRIBUTION PROPERTY BRIGHTNESS DISTRIBUTION ELECTROMAGNETIC PROPERTIES
NASA THESAURUS (VOLUME 1)

Cadmium Chlorides (Cont.)
- Halogen Compounds
- Chlorine Compounds
- Chlorides
- Cadmium Chlorides
- Haüdes
- Chlorides
- Cadmium Chlorides
- Metals
- Cadmium Chlorides

Cadmium Compounds
- Cadmium Compounds
- Cadmium Antimonides
- Cadmium Chlorides
- Cadmium Fluorides
- Cadmium Selenium
- Cadmium Sulfides
- Cadmium Tellurides

RT GROUP 28 Compounds
= Metal Compounds

Cadmium Fluorides
- Cadmium Compounds
- Halogen Compounds
- Fluorine Compounds
- Fluorides
- Metal Fluorides
- Cadmium Fluorides
- Halides
- Metal Halides
- Cadmium Fluorides

Cadmium Isotopes
- Uf Cadmium
- Cadmium 114
- 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 Selenium
- Cadmium Compounds
- Cadmium Selenium Compounds
- Chalcogenides
- Selenium
- Cadmium Selenium
- Selenium
- Cadmium Selenium Compounds
- Selenium
- Cadmium Selenium

Cadmium Silver Batteries
Use Silver Cadmium Batteries

Cadmium Sulfides
- Cadmium Compounds
- Cadmium Sulfides
- Chalcogenides
- Sulfides
- Inorganic Sulfides
- Cadmium Sulfides
- Sulfur Compounds
- Sulfides
- Inorganic Sulfides
- Cadmium Sulfides

Cadmium Tellurides
- Cadmium Compounds
- Cadmium Tellurides
- Chalcogenides
- Tellurides
- Cadmium Tellurides
- Tellurium Compounds
- Tellurides
- Cadmium Tellurides

Cadmium 114
Use Cadmium Isotopes

Caffeine
- Caffeine
- Purgatives
- Caffeine
- Heterocyclic Compounds
- Xanthines
- Nitrogen Compounds
- Xanthines
- Caffeine
- Purinines
- Xanthines
- Caffeine

CAI
Use Computer Assisted Instruction

Caissons
RT Construction Foundations

Cajun Rocket Vehicle
GS Rocket Vehicles
RT Cajun Rocket Vehicle

Calciferol
Uf Vitamin D
GS Vitamins
Use Calciferol

Calcification
RT Arthritis
Bones

Calcination
Use Roasting

Calcite
GS Calcium Compounds
- Calcium Carbonates
- Calcite
- Carbon Compounds
- Carbonates
- Calcium Carbonates
- Calcite
- Minerals
- Calcite
- Aragonite
- Birefringence

Calcium
GS Chemical Elements
- Calcium
- Calcium Isotopes
- Metals
- Calcium Isotopes

Calcium Carbonates
GS Calcium Compounds
- Calcium Carbonates
- Aragonite
- Calcite
- Chalk
- Spurrite
- Carbon Compounds
- Carbonates
- Calcium Carbonates
- Akermanite
- Aragonite
- Calcite
- Chalk
- Spurrite

RT Bone Mineral Content
Limestone

Calcium Chlorides
GS Calcium Compounds
- Calcium Chlorides
- Halogen Compounds
- Chlorine Compounds
- Chlorides
- Calcium Chlorides
- Halides
- Chlorides
- Calcium Chlorides
- Metal Halides
- Calcium Chlorides

Calcium Phosphates
GS Calcium Compounds
- Calcium Phosphates
- Fluorapatite
- Calcium Phosphates
- Calcium Phosphates

Calcium Oxides
Uf Lme
GS Calcium Compounds
- Calcium Oxides
- Chalcogenides
- Oxides
- Metal Oxides
- Alkaline Earth Oxides
- Calcium Oxides

Calcium Phosphates
Uf Apatites
GS Calcium Compounds
- Calcium Phosphates
- Calcium Phosphates
- Calcium Phosphates

Calcium Sulfides
GS Calcium Compounds
- Calcium Sulfides
- Calcium Sulfides

Calcium Vanadates
UF Vanadates
GS Calcium Compounds
- Calcium Vanadates
- Fluoride
- Merwinte
- Motticellite
- Perovskites
- Scheellite

RT Alkaline Earth Compounds
= Metal Compounds

Calcium Fluorides
GS Calcium Compounds
- Calcium Fluorides
- Fluorapatite
- Halogen Compounds
- Fluorine Compounds
- Fluorides
- Difluorides
- Calcium Fluorides
- Fluorospar
- Metal Fluorides
- Calcium Fluorides
- Fluorides
- Difluorides
- Calcium Fluorides
- Fluorospar
- Metal Halides
- Calcium Fluorides
- Fluorospar

Calcium Isotopes
Uf Calcium 45
GS Chemical Elements
- Calcium
- Calcium Isotopes
- Nuclides
- Isotopes
- Calcium Isotopes
- Metals
- Calcium
- Calcium Isotopes

Calcium Metabolism
GS Metabolism
Calcium Metabolism
RT Bed Rest
Osteoporosis
Parathyroid Gland
Thyroid Gland

Calcium Niobates
GS Calcium Compounds
- Calcium Niobates
- Niobium Compounds
- Niobates
- Calcium Niobates

Calcium Oxides
Uf Lme
GS Calcium Compounds
- Calcium Oxides
- Chalcogenides
- Oxides
- Metal Oxides
- Alkaline Earth Oxides
- Calcium Oxides

Calcium Phosphates
Uf Apatites
GS Calcium Compounds
- Calcium Phosphates
- Calcium Phosphates
- Calcium Phosphates
- Calcium Phosphates

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CAMEBRED WINGS
GS AIRCRAFT
- WINGS
- CAMBERED WINGS
RT CAMBER
- FIXED WINGS
- TWISTED WINGS
- UNCAMBERED WINGS
- WING CAMBER

CAMEROON
RT AFRICA
- NATIONS

CAMERAS
GS OPTICAL EQUIPMENT
- CAMERAS
  - BAKER-NUNNカメラ
  - BALLISTIC CAMERAS
  - DELFTカメラ
  - DIFFRACTION LIMITED CAMERAS
  - FAINT OBJECT CAMERA
  - HIGH SPEED CAMERAS
  - FRAMING CAMERAS
  - 25 CAMERAS
  - LALLEMAND CAMERAS
  - MULTISPECTRAL BAND CAMERAS
  - PANORAMIC CAMERAS
  - PINNACLE CAMERAS
  - SCHMIDT CAMERAS
  - STREAK CAMERAS
  - TELEVISION CAMERAS
  - PHOTOGRAPHIC EQUIPMENT
  - CAMERAS
  - BAKER-NUNNカメラ
  - BALLISTIC CAMERAS
  - DELFTカメラ
  - DIFFRACTION LIMITED CAMERAS
  - FAINT OBJECT CAMERA
  - HIGH SPEED CAMERAS
  - FRAMING CAMERAS
  - 25 CAMERAS
  - LALLEMAND CAMERAS
  - MULTISPECTRAL BAND CAMERAS
  - PANORAMIC CAMERAS
  - PINNACLE CAMERAS
  - SCHMIDT CAMERAS
  - STREAK CAMERAS
  - TELEVISION CAMERAS
RT CAMERA SHUTTERS
- CINEMATOGRAPHY
- FOCUSING
- LENSES
- PHOTOGRAPHY
- SIM
- STREAK PHOTOGRAPHY
- ULTRAVIOLET PHOTOGRAPHY
- UNDERWATER PHOTOGRAPHY
- WIDE ANGLE LENSES

CANADIAN SPACE PROGRAMS (CONT.)
GS PROGRAMS
- SPACE PROGRAMS

CAMPANELLO
RT AIR DEFENSE
- COVERINGS

CAMPBELL-HAUSDORFF SERIES
GS ANALYSIS (MATHEMATICS)
- CALCULUS
- SERIES (MATHEMATICS)
- CAMPBELL-HAUSDORFF SERIES
- REAL VARIABLES
- SERIES (MATHEMATICS)
- CAMPBELL-HAUSDORFF SERIES

CAMPHOR
GS ALIPHATIC COMPOUNDS
- KETONES
- CAMPHOR
- TERPENES
- CAMPHOR

CAMPS
GS POSITIONING DEVICES (MACHINERY)
- CAMPS
- ACTUATORS
- ECNOMETERS
- INTERNAL COMBUSTION ENGINES
- LINKAGES
- MECHANICAL DEVICES

CANADA
RT ACCORDION PROJECT
- ANIK 1
- ANIK 2
- ANIK 3
- BEAUFORT SEA (NORTH AMERICA)
- CANADIAN SPACE PROGRAMS
- COMMUNICATIONS TECHNOLOGY
- SATELLITE
- GREAT LAKES (NORTH AMERICA)
- GREAT PLAINS CORRIDOR (NORTH AMERICA)
- INTERNATIONAL FIELD YEAR FOR GREAT LAKES
- INTERNATIONAL HYDROLOGICAL DECADE
- LABRADOR
- LAKE CHAMPLAIN BASIN (NY-VT)
- MANITOBA
- NATIONS
- NORTH AMERICA
- CANADA
- ONTARIO
- PACIFIC NORTHWEST (US)
- QUEBEC
- ROCKY MOUNTAINS (NORTH AMERICA)
- SASKATCHEWAN
- ST LAWRENCE VALLEY (NORTH AMERICA)
- WILLISTON BASIN (NORTH AMERICA)

CANADIAN AIRCRAFT
UF CANADIAN CF-104 AIRCRAFT
- CF-104 AIRCRAFT
- GENERAL DYNAMICS AIRCRAFT
- CANADIAN AIRCRAFT
- CL-28 AIRCRAFT
- CL-41 AIRCRAFT
- CL-44 AIRCRAFT
- CL-84 AIRCRAFT
- RT AIRCRAFT

CANADIAN CF-104 AIRCRAFT
USE CANADIAN AIRCRAFT
- F-104 AIRCRAFT

CANADIAN CL-28 AIRCRAFT
USE CL-28 AIRCRAFT

CANADIAN CL-41 AIRCRAFT
USE CL-41 AIRCRAFT

CANADIAN CL-44 AIRCRAFT
USE CL-44 AIRCRAFT

CANADIAN CL-84 AIRCRAFT
USE CL-84 AIRCRAFT

CANADIAN SHIELD
RT GEOLOGY
- METERITE CRATERS
- PRECAMBRIAN PERIOD

CANADIAN SPACE PROGRAMS
GS PROGRAMS
- SPACE PROGRAMS

CANNING
GS FOOD PROCESSING
- CANNING
- ENCAPSULATING
- FOOD
NASA THESAURUS (VOLUME 1)

CARBONMONOXYDE (TRADEMARK)-(CONT.)
  SILICON CARBIDES

CARBOXYHEMOGLOBIN
  GS CELLS (BIOLOGY)
  HEMOGLOBIN
  CARBOXYHEMOGLOBIN
  CIRCULATION
  CARBOXYHEMOGLOBIN
  CARBONOMIC COMPOUNDS
  HEMOGLOBIN
  CARBOXYHEMOGLOBIN
  ORGANOMETALLIC COMPOUNDS

CARBOXYLESTER
  CARBON MONOXIDE POISONING
  ERYTHROCYTES

CARBOXYHEMOGLOBIN TEST
  GS PHYSIOLOGICAL TESTS
  CARBOXYHEMOGLOBIN TEST
  RT BLOOD
  RT HEMATOLOGY

CARBOXYL GROUP
  RT CARBOXYLIC ACIDS

CARBOXYLATES
  GS ALIPHATIC COMPOUNDS
  CARBOXYLATES
  ESTER
  CARBOXYLATES
  RT CARBOXYLIC ACIDS

CARBOXYLATION
  GS CHEMICAL REACTIONS
  CARBOXYLATION
  RT DECARBOXYLATION

CARBOXYLIC ACIDS
  GS ACIDS
  . . FAT ACIDS
  . . CARBOXYLIC ACIDS
  . . ACETIC ACID
  . . ETHYLENEDAMINETETRAACETIC ACIDS
  . . VERSINE
  . . IODOACETIC ACID
  . . ACETYLSALICYLIC ACID
  . . BENZOIC ACID
  . . DICARBOXYLIC ACIDS
  . . TEREPhTHALATE
  . . OLIC ACID
  . . PROPRIC ACID
  . . SEBIC ACID
  . . VALERIC ACID
  RT ALIPHATIC COMPOUNDS
  CARBOXYL GROUP
  CARBOXYLATES

CARBURETORS
  US INJECTION CARBURETORS
  RT CHOKES (FUEL SYSTEMS)
  CONTACTORS
  ENGINE PARTS
  FUEL INJECTION
  FUEL SYSTEMS
  INJECTORS
  INTERNAL COMBUSTION ENGINES
  . . JET NOZZLES
  MIXERS
  PREMIXED FLAMES
  THROATS

CARBURIZING
  GS HARDENING (MATERIALS)
  CARBURIZING
  RT DECARBURIZATION

CARCINOGENS
  RT CANCER
  NEOPLASMS

CARCINOMA
  USE CANCER

CARCINOTRONS
  GS AMPLIFIERS
  CARCINOTRONS
  ELECTRON TUBES
  VACUUM TUBES

CAROGO AIRCRAFT

CARINO VASCULAR SYSTEM-(CONT.)
  . . . THROMBIN
  . . . THROMBOPHILIN
  RT ANGIOGRAPHY
  . . . BLOOD
  . . . BLOOD VOLUME
  CARDIOGRAPHY
  . . . CAROTID SINUS BODY
  CAROTID SINUS REFLEX
  . . . GENERAL VASCULAR ACCIDENTS
  . . . CIRCULATORY SYSTEM
  . . . PAT EMBOLISMS
  HEMODYNAMICS
  HEMORRHAGES
  . . . LOWER BODY NEGATIVE PRESSURE
  VASCULAR SYSTEM

CARDS
  GS CARDS
  . . . PUNCH CARDS
  RT COMPUTER STORAGE DEVICES
  DATA STORAGE

CARET WINGS
  GS AIRFOILS
  . . WINGS
  . . CARET WINGS
  RT PLANFORMS
  RT ARROW WINGS
  RT DELTA WINGS

CARETS (TEST SITE)
  USE CENTRAL ATLANTIC REGIONAL ECOL TEST SITE

CARGO
  US 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
  GS TRANSPORT AIRCRAFT
  . . . CARGO AIRCRAFT
  . . . BREGUET #41 AIRCRAFT
  . . . BREGUET #42 AIRCRAFT
  . . . C-14 AIRCRAFT
  . . . C-2 AIRCRAFT
  . . . C-5 AIRCRAFT
  . . . C-9 AIRCRAFT
  . . . C-46 AIRCRAFT
  . . . C-47 AIRCRAFT
  . . . C-54 AIRCRAFT
  . . . C-97 AIRCRAFT
  . . . C-118 AIRCRAFT
  . . . C-119 AIRCRAFT
  . . . C-121 AIRCRAFT
  . . . C-123 AIRCRAFT
  . . . C-124 AIRCRAFT
  . . . C-130 AIRCRAFT
  . . . C-131 AIRCRAFT
  . . . C-132 AIRCRAFT
  . . . C-135 AIRCRAFT
  . . . C-140 AIRCRAFT
  . . . C-141 AIRCRAFT
  . . . C-160 AIRCRAFT
  . . . CL-44 AIRCRAFT
  . . . RC 3 AIRCRAFT
  . . . RC 7 AIRCRAFT
  . . . P-27 AIRCRAFT
  . . . P-156 AIRCRAFT
  . . . SPANDR LICATED AIRCRAFT
  . . . YC-14 AIRCRAFT
  RT AIR CARGO
  . . . CARGO AIRCRAFT
  . . . BOEING 727 AIRCRAFT
  . . . BOEING 727 AIRCRAFT
  . . . BOEING 767 AIRCRAFT
  . . . COMMERCIAL AIRCRAFT
  . . . HEAVY LIFT HELICOPTERS
  . . . JET AIRCRAFT

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CARGO SHIPS

CARGO SPACECRAFT
RT CARRIER SPACECRAFT

CARGOMASTER AIRCRAFT
USE C-153 AIRCRAFT

CARIBBEAN SEA
GS CARIBBEAN SEA
RT BELIZE
DOMINICAN REPUBLIC
GULF STREAM
HAITI
PANAMA CANAL ZONE
VIRGIN ISLANDS

CARIBOU AIRCRAFT
USE DHC-4 AIRCRAFT

CARIBOUS
GS ANIMALS
. VERTEBRATES
. MAMMALS
. DEER
. CARIBOUS

CAROTENE
GS HYDROCARBONS
. CAROTENE
. PIGMENTS
. CAROTENE
RT RETINENE SKIN (ANATOMY)

CAROTID SINUS BODY
RT ARTERS
BLOOD VESSELS CARDIOVASCULAR SYSTEM CAROTID SINUS REFLEX CHEMORECEPTORS

CAROTID SINUS BODY-(CONT.)
CIRCULATORY SYSTEM
NERVES SINUSES
VASCULAR SYSTEM
CASCADIS SINUS REFLEX
GS REFLEXES . CAROTID SINUS REFLEX RT ARTERIES
BLOOD VESSELS CARDIOVASCULAR SYSTEM CAROTID SINUS BODY CIRCULATORY SYSTEM NERVES SINUSES VASCULAR SYSTEM

CARRIAGES
RT CARTS
CHAIRSHIP
TANKER SUPPORTS UNIFIED S BAND

CARRIAGE WAVE (SOLID STATE)
GS DENSITY (NUMBER/VOLUME)
. PARTICLE DENSITY (CONCENTRATION)
. ELECTRON DENSITY (CONCENTRATION)
. CARRIER DENSITY (SOLID STATE)
RT ACCEPTOR MATERIALS CARRIER TRANSPORT (SOLID STATE)
CARRIERS DONOR MATERIALS ELECTRON-HOLE DROPS SEMICONDUCTORS (MATERIALS)
ZENER EFFECT

CARRIERS
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

CARTAN SPACE
RT COMPRESSIBLE FLOW
FLUID FLOW POTENTIAL FLOW SPACE

CARTOGRAPHY
USE MAPPING

CARTILAGE
GS ANATOMY
. MUSCULOSKELETAL SYSTEM
. BONES
. CARTILAGE
. CONNECTIVE TISSUE
. CARTILAGE RT LARYNX

CARTOGRAPHY
USE MAPPING

CARTOGRAPHY
USE MAPPING

CARTOGENE ACTUATED DEVICES
USE ACTUATORS EXPLOSIVE DEVICES

CARTIDES
RT CARRIAGES MATERIALS HANDLING UNDERCARRIAGES

CASCADING CONTROL
UF MULTILOOP SYSTEMS
GS AUTOMATIC CONTROL
FEEDBACK CONTROL
CASCADE CONTROL RT = CASCADING ELECTRONIC CONTROL REMOTE CONTROL

CASCADING FLOW
GS FLUID FLOW
CASCADE FLOW RT = CASCADING OUTLET FLOW TURBOMACHINE BLADES

CASCADING RANGE (CA-OR-WA)
GS LAND

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### CEILINGS

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)
- RT CEILING (AIRCRAFT CAPABILITY)
- CEILINGS (ARCHITECTURE)
- CEILINGS (METEOROLOGY)

### CEILINGS (ARCHITECTURE)

- CEILINGS
- DIFFUSIONS
- FLOORS
- INSULATION
- PANELS
- REFLECTORS

### CEILINGS (METEOROLOGY)

- RT AIRCRAFT LANDING

### CEILOMETERS

- USE CLOUD HEIGHT INDICATORS

### CELESCOPES

- GS ELECTRON TUBES
- VACUUM TUBES
- VACUUM TUBE OSCILLATORS
- MICROELECTRONICS TUBES
- PLANOTRONS
- MICROWAVE EQUIPMENT
- MICROWAVE TUBES
- PLANOTRONS
- CELESCOPES
- MIRRORS
- TELESCOPES
- TELESCOPES

### CELESTIAL BODIES

#### GS

- CELESTIAL BODIES
- ASTEROID BELTS
- ASTEROIDS
- AMOR ASTEROIDS
- APOLLO ASTEROIDS
- CERES ASTEROID
- CERES
- CAPRITUS ASTEROID
- TITAN ASTEROID
- VESTA ASTEROID
- BL LACERTAE OBJECTS
- COMETS
- AMUKHARDI COMET
- COMET HEADS
- COMET NUCLEI
- COMET TAILS
- GIACOBINI-ZINNER COMET
- GREGO-SKUELLERUP COMET
- HALLEY’S COMET
- HUMASON COMET
- KONDIUTEX COMET
- MOREHOUSE COMET
- MIRKOS COMET
- SCHWASSMANN-WACHMANN COMET
- TEMPL 2 COMET
- WEST COMET
- GALAXIES
- ANDROMEDA GALAXIES
- DISK GALAXIES
- ELLIPITCAL GALAXIES
- GALACTIC CLUSTERS
- VIRGO GALACTIC CLUSTER
- MAFFEI GALAXIES
- RAD GALAXIES
- SEYFERT GALAXIES
- SPIRAL GALAXIES
- BARRED GALAXIES
- MILKY WAY GALAXY
- TRIPLE GALAXIES
- GLOBULAR CLUSTERS
- HORIZONTAL BRANCH STARS
- JUPITER RINGS
- PROTOSOLAR SYSTEMS
- HARLETON METEORITE
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- COASTAL CURRENTS
- LOMONOSOV CURRENT
RT ARTIFICIAL CARDIAC PACEMAKER
BLOOD
BLOOD PUMPS
BLOWING
- CURRENTS
- DELIVERY
- DIFFUSION
- DISSIPATING
- HEART IMPLANTATION
- PUSHER
- ROTATION

CIRCULATION CONTROL AIRFOILS
GS AIRFOILS
CIRCULATION CONTROL AIRFOILS
RT BLOWING
BOUNDARY LAYER CONTROL
COANDA EFFECT
LIFT AUGMENTATION
SHORT TAKEOFF AIRCRAFT
UNDER SURFACE BLOWING
UPPER SURFACE BLOWING

CIRCULATION CONTROL ROTORS
GS ROTATING BODIES
- ROTORS
- ROTARY WINGS
- CIRCULATION CONTROL ROTORS
RT VERTICAL TAKEOFF AIRCRAFT
X WING ROTORS

CIRCULATORS (PHASE SHIFT CIRCUITS)
GS CIRCUITS
- PHASE SHIFT CIRCUITS
- CIRCULATORS (PHASE SHIFT CIRCUITS)
RT CAVITY RESONATORS
DELAY CIRCUITS
DUPLIEXERS
FARADAY EFFECT
HALL GENERATORS
LIMITER CIRCITS

CIRCULATORY SYSTEM
GS ANATOMY
- CIRCULATORY SYSTEM
- VASCULAR SYSTEM
- BLOOD VESSELS
- ARTERIES
- VEINS
RT ARTIODACTYLOSIS
ARTIFICIAL CARDIAC PACEMAKER
BLOOD CIRCULATION
BLOOD PUMPS
CAROTID SYSTEM
CAROTID SINUS BODY
CAROTID SINUS REFLEX
EXERCISE PHYSIOLOGY
HEART
HYPERVOLEMIA

CIRCUMFENCES
GS GEOMETRY
- EUCLIDEAN GEOMETRY
- ANALYTIC GEOMETRY
- CIRCUMFENCES
RT BOUNDARIES
CIRCLES (GEOMETRY)
DIAMETERS
RADI

CIRCUMLUNAR COMMUNICATION
GS TELECOMMUNICATION
- SPACE COMMUNICATION
- LUNAR COMMUNICATION
- CIRCUMLUNAR COMMUNICATION
RT INTERPLANETARY COMMUNICATION
RADAR
RADIO COMMUNICATION
SPACECRAFT COMMUNICATION
UNIFIED S BAND

CIRCUMLUNAR TRAJECTORIES
GS TRAJECTORIES
- ROUND TRIP TRAJECTORIES
- CIRCUMLUNAR TRAJECTORIES
- SPACECRAFT TRAJECTORIES
- LUNAR TRAJECTORIES
RT EARTH ORBITS
EARTH-MOON TRAJECTORIES
LUNAR FLIGHT
LUNAR ORBITS
MOON-EARTH TRAJECTORIES
REENTRANT TRAJECTORIES
TRANSFER ORBITS

CIRCUMPOLAR WESTERLIES
GS WIND (MeteOROLOGY)
CIRCUMPOLAR WESTERLIES
RT ATMOSPHERIC CIRCULATION
JET STREAMS (METEOROLOGY)
WINDS ALOFT

CIRCSMOSOLAR RADIATION
GS EXTRATERRESTRIAL RADIATION
- SOLAR RADIATION
- CIRCSMOSOLAR RADIATION
RT ATMOSPHERIC SCATTERING
LIGHT SCATTERING
SCATTERING
SUNLIGHT

CIRCSMOSOLAR TELESCOPES
GS TELESCOPES
CIRCSMOSOLAR TELESCOPES
RT LENSES
MEASURING INSTRUMENTS
MIRRORS
OPTICAL EQUIPMENT
RADIATION PYROMETERS
SOLAR ENERGY

CITIES
UF METROPOLITAN AREAS
GS CITIES
- ATLANTA (GA)
- CEDAR RAPIDS (IA)
- HOUSTON (TX)
- MANITOUL (CO)
- MOSCOW
- NEW HAVEN (CT)
- PHENIX (AZ)
- PONTIAC (MI)
- SAN FRANCISCO (CA)
- VATICAN CITY

GS CITIES
- ANTHROPOLOGY
- COMMUNITIES
- HEAT ISLANDS
- MEGALOPOLISES
- INHABITANTS
- INDUSTRIAL AREAS
- RESIDENTIAL AREAS
- URBAN AREAS
- COUNTRIES
- NATIONS
- SOCIAL SCIENCE
CITRATES

CITIES-(CONT.)
SUBURBAN AREAS
URBAN DEVELOPMENT
URBAN PLANNING
URBAN RESEARCH

CITRATES
RT CITRIC ACID
ESTERS

CITRIC ACID
GS ALIPHATIC COMPOUNDS
... CITRIC ACID
CARBOHYDRATES
RT CITRATES

CITRUS TREES
GS PLANTS (BOTANY)
... TREES (PLANTS)
RT AGRICULTURE
BLOOM
CROP GROWTH
CROP NURTURE
FOOD
IRRIGATION
ORCHARDS
SEEDS

CIVIL AVIATION
UF COMMERCIAL AVIATION
RT = AERONAUTICS
AIR LAW
AIRLINE OPERATIONS
COMMERCIAL AIRCRAFT
GENERAL AVIATION AIRCRAFT
PAASSENGER AIRCRAFT

CIVIL DEFENSE
RT = DEFENSE
AIR DEFENSE
ANTI-MISSILE DEFENSE
CHEMICAL DEFENSE
DEFENSE PROGRAM
EVACUATING (TRANSPORTATION)
NUCLEAR EXPLOSIONS
NUCLEAR WARFARE
PROTECTION
SENTINEL SYSTEM
SHELTERS
SURVIVAL
WARNING
WARNING SYSTEMS

CL-28 AIRCRAFT
UF CANADIAN CL-28 AIRCRAFT
GS ANTISUBMARINE WARFARE AIRCRAFT
CL-28 AIRCRAFT
ATTACK AIRCRAFT
BOMBER AIRCRAFT
CL-28 AIRCRAFT
GENERAL DYNAMICS AIRCRAFT
CANADIAN AIRCRAFT
CL-28 AIRCRAFT
MONOPLANES
CL-28 AIRCRAFT
OBSERVATION AIRCRAFT
CL-28 AIRCRAFT
RECONNAISSANCE AIRCRAFT
CL-28 AIRCRAFT
TRANSPORT AIRCRAFT
CL-28 AIRCRAFT

CL-41 AIRCRAFT
UF CANADIAN CL-41 AIRCRAFT
CL-41 AIRCRAFT
TUTER AIRCRAFT
GS ATTACK AIRCRAFT
CL-41 AIRCRAFT
GENERAL DYNAMICS AIRCRAFT
... CANADIAN AIRCRAFT
CL-41 AIRCRAFT
JET AIRCRAFT
CL-41 AIRCRAFT
MONOPLANES
CL-41 AIRCRAFT
TRAINING AIRCRAFT
CL-41 AIRCRAFT

CL-44 AIRCRAFT
UF CANADIAN CL-44 AIRCRAFT
CL-44 AIRCRAFT
CARGO AIRCRAFT
YUKON AIRCRAFT

CL-44 AIRCRAFT-(CONT.)
GS GENERAL DYNAMICS AIRCRAFT
... CANADIAN AIRCRAFT
CL-44 AIRCRAFT
JET AIRCRAFT
TURBOPROP AIRCRAFT
... CL-44 AIRCRAFT
MONOPLANES
CL-44 AIRCRAFT
TRANSPORT AIRCRAFT
... CL-44 AIRCRAFT

CL-84 AIRCRAFT
UF CANADIAN CL-84 AIRCRAFT
GS ANTISUBMARINE WARFARE AIRCRAFT
CL-84 AIRCRAFT
GENERAL DYNAMICS AIRCRAFT
... CANADIAN AIRCRAFT
CL-84 AIRCRAFT
JET AIRCRAFT
TURBOPROP AIRCRAFT
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MONOPLANES
CL-84 AIRCRAFT
TRANSPORT AIRCRAFT
... CL-84 AIRCRAFT

CL-823 AIRCRAFT
UF LOCKHEED CL-823 AIRCRAFT
GS LOCKHEED CL-823 AIRCRAFT
... CL-823 AIRCRAFT
MONOPLANES
CL-823 AIRCRAFT
BOMBER AIRCRAFT
CL-823 AIRCRAFT

CL-8400 CHALLENGER AIRCRAFT
CL-84 AIRCRAFT
SUPERSONIC AIRCRAFT
CL-84 AIRCRAFT
TRANSPORT AIRCRAFT
CL-84 AIRCRAFT

CL-595 HELICOPTER
USE XH-51 HELICOPTER

CLASSIC AIRCRAFT
USE IL-42 AIRCRAFT

CLASSICAL MECHANICS
GS CLASSICAL MECHANICS
SPACE MEANURES
ASTRODYNAMICS
CELESTIAL MECHANICS
ORBITAL MECHANICS
... MINIMUM VARIANCE ORBIT DETERMINATION

CLASSIFICATIONS
GS CLASSIFICATIONS
HIERARCHIES
... DICTOMIES
INDEXES (DOCUMENTATION)
... SUBJECTS
RT ASTRONOMICAL CATALOGS
... BREAKDOWN
CLASSIFYING
... TAXONOMY
... WISWESSER NOTATIONS

CLASSIFIERS
GS SEPARATORS
... SIZE SEPARATION
... SIZE SEPARATION
SPECIAL CONCENTRATORS
... Preparing
RT CENTRIFUGES
CONCENTRATING
... SEPARATION
SPECIAL CONCENTRATORS
... TREATMENT
SPECIAL SEPARATION
SPECIAL SEPARATION
... SPECIAL SEPARATION
SPECIAL SEPARATION

CLASSIFYING
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS
... LISTED BELOW)
NF SORTING
RT CLASSIFICATIONS
CONCENTRATING
DISCRIMINANT ANALYSIS (STATISTICS)
EVALUATION
... SECURITY
... SELECTION
... TAXONOMY

CLARITY-(CONT.)
... ELECTROMAGNETIC PROPERTIES
... OPTICAL PROPERTIES
... PURITY
... SHARPNESS
... TRANSPARENCY
... TURBIDITY

CLARK Y AIRFOIL
USE AIRFOIL PROFILES

CLASSES
RT CATEGORIES
... GROUPS
... SECTIONS

CLASTRATES
RT = CHEMICAL COMPOUNDS
... CRYSTAL STRUCTURE
... CRYSTALS
... INCLUSIONS

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### NASA Thesaurus (Volume 1)

#### Clean Energy

- **RT** Air Pollution
  - Environment Pollution
  - Environmental Engineering
  - Geothermal Energy Conversion
  - Solar Energy
  - Tidewater
  - Water Pollution
  - Waterwave Energy
  - Windpower Utilization

#### Clean Fuels

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<tr>
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<td>Hydrocarbon Fuels</td>
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<td>Refining</td>
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#### Clean Rooms

- **GS** Rooms
  - Clean Rooms
  - Assembling
  - Controlled Atmospheres
  - Environmental Control

#### Cleaners

- **GS** Cleaners
  - Air Filters
  - Absorbers (Equipment)
  - Absorbers (Materials)
  - Cleaning
  - Cleanliness
  - Separators
  - Ultrasonic Cleaning
  - Washers (Cleaners)

#### Cleaning

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#### Cleaning (Cont.)

- Separation
- Sterilization
- Surface Finishing
- Washing
- Waste Water

#### Cleanlineess

- **GS** Cleanliness
  - Housekeeping (Spacecraft)
  - Clean Rooms
  - Cleaners
  - Cleaning
  - Hygiene
  - Oral Hygiene

#### Clean Air Turbulence

- **GS** Turbulence
  - Atmospheric Turbulence
  - Clean Air Turbulence
  - Gusts
  - Jet Streams (Meteorology)
  - Turbulent Diffusion
  - Wind Shear

#### Clearances

- **RT** Adjusting
  - Alignment
  - Allowances
  - Datum (Elevation)
  - Spacing
  - Tightness
  - Tolerances (Mechanics)

#### Clearing

- **RT** Cleaning
  - Purging
  - Removal

#### Clearings (Openings)

- **UF** Slashes
  - Deforestation
  - Firebreaks
  - Forests
  - Trees (Plants)

#### Cleavage

- **UF** Scission
  - Brittle Materials
  - Brittleness

#### Clebsch-Gordan Coefficients

- **GS** Coefficients
  - Clebsch-Gordan Coefficients
  - Angular Momentum
  - Coupling

#### Cliffs

- **UF** Bluffs (Landforms)
  - Cliffs
  - Escarpments
  - Fiords
  - Landslides
  - Ledges
  - Shelves
  - Slopes
  - Topography

#### Climate

- **RT** Macroclimate
  - Long Term Effects
  - Meteorology
  - Weather

#### Climatology

- **GS** Climatology
  - Agroclimatology
  - Bioclimatology
  - Microclimatology
  - Antarctic Regions
  - Arctic Regions
  - Atmospheric Circulation
  - Cap Clouds
  - CirroCumulus Clouds
  - CirroStratus Clouds
  - Cirrus Shields
  - Climate
  - Cloud Cover
  - Cloud Dispersion
  - Clouds (Meteorology)
  - Dendrochronology

#### Climato (Cont.)

- Desertline
- Deserts
- Environmental Chemistry
- Environmental Engineering
- Fog Dispersion
- Geography
- Hailstorms
- Heat Islands
- Humidity
- Hydroclimatology
- Hydrology
- 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
- Temperate Regions
- Temperature
- Tropical Regions
- Weather
- Wind (Meteorology)

#### Climbing Flight

- **GS** Ascent
  - Climbing Flight
  - Ascent Trajectories
  - Coasting Flight
  - Flight
  - Flight Paths
  - Horizontal Flight
  - Parabolic Flight
  - Rocket Flight
  - Scaring
  - Takeoff
  - Turning Flight
  - Vertical Flight

#### Clinical Medicine

- **RT** Anesthesiology
  - Bed Rest
  - Blood Volume
  - Case Histories
  - Diagnosis
  - Examination
  - Healing
  - Human Beings
  - Medical Science
  - Medicine
  - Operations
  - Surgery
  - Transplantation
  - Treatment

#### Clipper Circuits

- **GS** Circuits
  - Limiter Circuits
  - Clipper Circuits
  - Comparator Circuits
  - Power Limiters

#### Clips

- **RT** Anchors (Fasteners)
  - Bands
  - Clamps
  - Couplings
  - Fasteners
  - Holders
  - Mechanical Devices

#### Clock Paradox

- **GS** Time Measurement
  - Clock Paradox
  - Atomic Clocks
  - Chronometers
  - Time Signals
  - Timing Devices

#### Clocks

- **UF** Watches

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CLOUDS (CONT.)
- Nimbostratus clouds
- Stratocumulus clouds
- Stratus clouds
- Cumulus clouds
- Nephogenic clouds
- Electron clouds
- Hydrogen clouds
- Magellanic clouds
- Molecular clouds
- Plasma clouds
- Venus clouds
RT
- Drop size
Dust
- Meteoroid dust clouds
- Particles

CLOUDS (METEOROLOGY)
UF
- Chaotic cloud patterns
GS
- Clouds (meteorology)
- Artificial clouds
- Chemical clouds
- Barium ICN clouds
- Cap clouds
- Cirrostratus clouds
- Cirrus clouds
- Convection clouds
- Cumulonimbus clouds
- Nimbostratus clouds
- Stratocumulus clouds
- Stratus clouds
- Cumulus clouds
- Noctilucent clouds
RT
- Acid rain
- Alpine meteorology
- Atmospheric moisture
- Climatology
- Cloud cover
- Cloud dispersion
- Cloud seeding
- Drop size
- Fog
- Fog dispersal
- Hydrogen clouds
- Meteorology
- Nephanalysis
- Plasma clouds
- Precipitation (meteorology)
- Shadows
- Sky
- Thunderstorms
- Weather

CLUMPS
UF
- Clusters
RT
- Agglomeration
- Pattern recognition
- Regression analysis

CLUSTERS
USE
- Clumps

CLUTCHES
RT
- Engine parts
- Mechanical devices
- Mechanical drives

CLUTTER
GS
- Echoes
- Radar echoes
RT
- Jaming
- Radio frequency interference

CMOS
UF
- Complementary metal oxide semiconductors
GS
- Electronic equipment
- Solid state devices
- Semiconductor devices
- Metal oxide semiconductors
- CMOS
- Semiconductors (materials)
RT
- Latch-up

CN EMISSION (CONT.)
- CN emission
- Electromagnetic radiation
- radio waves
- radio emission
RT
- Electromagnetic radiation
- Hydrocyanic acid
- Millimeter waves
- Radio sources (astronomy)

CNODIAL WAVES
RT
- Elastic waves
- Gravity waves
- Shallow water
- Solitary waves
- Surface waves
- Water depth
- Water waves

COACHELLA VALLEY (CA)
GS
- Valleys
- Coachella Valley (CA)
RT
- California
- Deserts

COAGULATION
GS
- Coagulation
- Blood coagulation
RT
- Accumulations
- Agglomeration
- Aitken nuclei
- Blood
- Coalescing
- Concentrating
- Deposition
- Embolisms
- Fibrin
- Flocculating
- Flocculation
- Gelation
- Hardening (materials)
- Hemorhages
- Lumping
- Precipitation (chemistry)
- Separation
- Setting
- Settlement
- Solidification
- Thrombopenia
- Water treatment

COAL
GS
- Resources
- Earth resources
- Fossil fuels
- Coal
- Lignite
- Solvent refined coal
- Rocks
- Coal
- Lignite
- Solvent refined coal
- Sedimentary rocks
- Carbonaceous rocks
- Coal
- Lignite
RT
- Ashes
- Asphaltene
- Bitumens
- Carbonaceous materials
- Coal gasification
- Coal liquefaction
- Coal utilization
- Coke
- Energy policy
- Fly ash
- Hydrocracking
- Peat
- Regolith
- Soils
- Strip mining
- Synthane

COAL DERIVED LIQUIDS (CONT.)
RT
- Coal derived liquids
- Coal gasification
- Coal utilization
- Methane

COAL GASIFICATION
GS
- Gasification
- Coal gasification
- Hydrocracking
RT
- Coal
- Coal derived gases
- Coal derived liquids
- Coal liquefaction
- Crackling (chemical engineering)
- Energy policy
- Fuel cell power plants
- Gases
- Hydrocarbon fuels
- Hydrocracking
- Lignite
- Methanation
- Synthane
- Volatility

COAL LIQUEFACTION
GS
- Phase transformations
- Liquefaction
RT
- Coal
- Coal derived liquids
- Coal gasification
- Energy policy
- Hydrocarbon fuels
- Hydrocracking
- Hydropyrolysis
- Lignite
- Melting
- Solvent refined coal

COAL UTILIZATION
GS
- Utilization
RT
- Coal
- Coal derived gases
- Coal derived liquids
- Energy conversion
- Energy policy
- Energy technology
- Hydrocarbon fuels
- Lignite
- Solvent refined coal

COALESCENCE
USE
- Coalescing

COALESCING
UF
- Coalescence
RT
- Agglomeration
- Agitation
- Coalescing
- Concentrating
- Flocculating
- Flocculating
- Mixers
- Separation
- Setting
- Settlement
- Thickening (equipment)

COANA EFFECT
RT
- Attachment
- Bubbles
- Circulation control airfoils
- Entrainment
- Fluid amplifiers
- Jet amplifiers
- Jet streams (meteorology)
- Reattached flow
- Separation
- Thrust augmentation

COARSENESS
RT
- Fineness
- Reflectance
- Roughness
- Surface properties
- Surface roughness
- Surface stability
- Surface temperature

COASTAL CURRENTS
UF
- Littoral currents
- Longshore currents
GS
- Circulation
- Water circulation

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  - PROPULSION SYSTEM PERFORMANCE
  - PROPULSIVE EFFICIENCY
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  - PROPULSIVE EFFICIENCY
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USE - COMBUSTION STABILITY

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  - CHUGGING
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GS - DYNAMIC STABILITY
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  - COMA
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COMETS

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compound helicopters

gs vs/STOL aircraft
  . rotary wing aircraft
  . helicopters

rt compound helicopters
  aeronautical engineering
  air transportation
  aircraft configurations
  aircraft design
  helicopter design
  short takeoff aircraft
  vertical takeoff aircraft

compounding

uf milling (mixing)
  gs mixing
  . compounding
  rt grinding (comminution)
  homeogenizing
  = milling

= compounds

sn (use of a more specific term is recommended-consult the terms listed below)

rt acetyl compounds
  alloxan
  cyclic compounds
  ethyl compounds
  molten salts
  neptunium compounds
  organic sulfur compounds
  palladium compounds
  potting compounds
  ruthenium compounds
  thallium compounds

compressed air

gs gases
  . compressed air
  . gas mixtures
  . compressed air

rt compressors
  drills
  energy storage
  man operated propulsion systems
  oxygen supply equipment
  pneumatic equipment
  = pumping

compressed gas

gs gases
  . compressed gas
  . high pressure oxygen

rt compressors
  gas pressure
  pneumatic control

compressibility

gs mechanical properties
  . compressibility

rt bulk modulus
  compressible flow
  compressive strength
  density (mass/volume)
  equations of state
  grunneisen constant
  hydroelasticity
  incompressibility
  metal powder
  porosity
  powder (particles)

compressibility effects

rt buffeting
  compressible flow
  = effects
  flutter
  heat transfer
  oscillating flow
  pressure effects
  relaxation (physiology)
  secondary flow
  supersonic flow
  transonic flow

compressible boundary layer

gs boundary layers
  . compressible boundary layer

rt laminar boundary layer
  threedimensional boundary layer

compressible boundary layer (cont.)

compressible flow

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

rt aerodynamic heating
  crocco method
  fluid power
  = fluids
  hydroelasticity
  ideal fluids
  incompressible fluids
  maxwell fluids
  method of characteristics
  p waves
  superfluidity

compressing

uf recompression
  squeezing

gs compressing
  . plasma compression
  . speech baseband compression

rt adiabatic conditions
  anwils
  axial compression loads
  flowing compressors
  concentrating
densification
  internal compression inlets
  magnetic compression
  mechanical properties
  metal powder
  piston theory
  = pressing
  pressure
  pressure reduction
  pulse compression
  pumping
  rarefaction
  superchargers

compressors

gs gases
  . compressed gases
  . high pressure oxygen

rt compressors
  gas pressure
  pneumatic control

computation

compressors

computation tests (cont.)

hardness tests
  impact tests
  load tests
  = materials tests
  static tests
  = tests

compressor blades

gs turbonmachine blades
  compressor blades

rt = blades
  centrifugal compressors
  fan blades
  rotating stalls
  rotor blades (turbo machinery)
  stator blades
  turbine blades
  turbo compressors
  vanes

compressor efficiency

gs efficiency
  compressor efficiency

rt power efficiency
  thermodynamic efficiency

compressor rotors

gs rotating bodies
  . rotors

rt centrifugal compressors
  compressors
  = fans
  impellers
  rotor blades (turbo machinery)
  turbine wheels
  turbo compressors

compressors

sn (excludes data compressors)

gs compressors
  . centrifugal compressors
  . superchargers
  . supersonic compressors
  . transonic compressors
  . turbo compressors

rt air conditioning equipment
  blowers
  compressed air
  compressed gas
  compressing
  compressor rotors
  condensers (liquifiers)
  coolers
  = fans
  refrigerating machinery
  stators
  turbo machinery
  vacuum pumps
  vanless diffusers

compton effect

gs scattering
  = compton effect

rt coherent scattering
  inelastic scattering
  nuclear reactions
  photoelectricity

computation

uf calculation
  gs computation
  = orbit calculation
### Construction Materials (Cont.)

- **Consulting**
  - RT conferences
  - Management planning
  - Personnel resources

- **Consumables (Spacecraft)**
  - GS consumables (spacecraft)
    - Most consumables (spacecraft supplies)
      - Dehydrated food
      - Soaps
      - Space rations
      - Propellant storage
      - Space logistics
      - Space propellants
      - Working fluids

### Construction in Space

- **Consumers**
  - RT consumption
    - Market research
    - Marketing
    - Product development

### Construction Industry

- **Contact Dermatitis**
  - GS diseases
    - Infectious diseases
    - Dermatitis
    - Contact dermatitis

### Construction in Space

- **Contact Lenses**
  - GS lenses
    - Contact lenses

### Contact Potentials

- **Contact Resistance**
  - GS impedance
    - Electrical impedance
    - Electrical resistance
    - Contact resistance

### Containers

- **Containers**
  - SN (Use of a more specific term is recommended—consult the terms listed below)
    - uf receptacles (containers)
    - rt ampoules

### Contact Resistance (Cont.)

- **Contactors**
  - SN (Excludes electric switches)
    - rt contactors
      - Chemical reactors
      - Columns (process engineering)
      - Electric switches
      - Mixers
      - Sprayers

### Contactors (Electric)

- **Contacts (Electrology)**
  - RT formations
    - Metamorphism (geology)
    - Mineral deposits
    - Rocks
    - Rocks

### Contactors (Geology)

- **Contactors**
  - RT Crystallization
    - Crystals
    - Directional solidification (crystals)
    - Low gravity manufacturing
    - Manufacturing
    - Melting
    - Orbital workshops
    - Space processing
    - Weightlessness

### Containerless Melt

- **Containers**
  - SN (Use of a more specific term is recommended—consult the terms listed below)
    - uf containers
    - rt crucibles
      - Disposal
      - Drums (containers)
      - Enclosures
      - Fuel tanks
      - Glassware
      - Hoppers
      - Housing
      - Materials handling
      - Micromodules
      - Packages
      - Packaging
      - Preserving
      - Pressure vessels
      - Protectors
      - Reels
      - Spools
      - Sprayers
      - Tanks (containers)
      - Transporter
      - Trays
      - Wing tanks

### Containment

- **Containment**
  - RT asteroid capture
    - Blocking
    - Confine
    - Retaining
    - Sealing
    - Stopping

### Contaminants

- **Contaminants**
  - SN noxious materials
    - Pollutants
    - GS contaminants
      - Radioactive contaminants
      - Trace contaminants
      - Trace contamination
      - Decontamination
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- Use: Electric Corona

**CORONAGRAPHY**

- RT: Astronomical Photography
- GS: Astronomical Telescopes
- Solar Observatories
- Spectroheliograms
- Starsat Telescope

**CORONAL HOLES**

- GS: Coronas, Stellar coronas, Solar corona
- RT: Decametric waves
- Holes: Radio astronomy, Solar radio emission, Solar wind, Solar X-rays
- Stellar structure: Ultraviolet radiation

**CORONAL LOOPS**

- GS: Coronas, Stellar coronas, Solar corona
- RT: Chromospheres, Solar flares, Solar limb

**CORONARY ARTERY DISEASE**

- GS: Diseases, Heart diseases, Coronary artery disease
- RT: Angina pectoris, Arteriosclerosis, Myocardial infarction

**CORONARY CIRCULATION**

- GS: Circulation, Blood circulation, Coronary circulation
- RT: Heart, Heart valves

**CORPUSCULAR RADIATION**

- RT: Radiation belts, Solar corpuscular radiation, Solar electrons, Solar protons

**CORRECTION**

- GS: Correction
- RT: Optical correction procedure, Accommadation, Adaptability, Adjusting, Alignment, Error correcting devices, Errors, Improvement, Information theory, Parity, Redundancy, Revisions

**CORRELATION**

- GS: Correlation
- RT: Angular correlation, Autocorrelation, Correlation coefficients, Correlation detection, Cross correlation, Data correlation, Signal analysis, Spectral correlation, Statistical correlation
- UF: Penetrating particles
- GS: Particles
- RT: Corpuscular radiation
- SN: Non electromagnetic radiation, Consisting of energetic charged or beta particles
- UF: Penetrating particles
- GS: Particles
- RT: Corpuscular radiation
- SN: Cyclotron radiation, Ion cyclotron radiation, Electron precipitation, Electron radiation, Beta particles, Electron beams, Relativistic electron beams, Primary cosmic rays, Solar cosmic rays

**NASA THESaurus (VOLUME 1)**

- CORPUSCULAR RADIATION (CONT.)
  - Radiation belts
  - Solar corpuscular radiation
  - Solar electrons
  - Solar protons
- RT: Alpha particles
- ATMOSPHERIC RADIATION
- BACKGROUND RADIATION
- BEAMS (RADIATION)
- CHERENKOV 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 TERRRESTRIAL INTERACTIONS
- STRATOSPHERE RADIATION

**CORRECTION**

- GS: Correction
- RT: Optical correction procedure
- ACCOMMODATION
- ACCURACY
- ADAPTATION
- ADJUSTING
- ALIGNMENT
- ERROR CORRECTING DEVICES
- ERRORS
- IMPROVEMENT
- INFORMATION THEORY
- PARITY
- REDUNDANCY
- REVISIONS
### Critical Frequencies
- Critical frequencies
- Light (visible radiation)
- Resonant frequencies

### Critical Loading
- SN (limited to force loads)
- UF (critical stress)
- GS loads (forces)
- RT (dynamic loads)
- Critical loading stresses
- Critical loading

### Critical Mach Number
- Use critical velocity
  - Mach number

### Critical Mass
- GS mass
- Critical mass
- Nuclear fission
- Nuclear fuel burnup
- Nuclear reactions
- Plasma core reactors
- Subcritical mass

### Critical Path Method
- GS network analysis
- Critical path method
- Control
- Dynamic programming
- Estimating
- GERT
- Management methods
- Methodology
- Mission planning
- Operations research
- Paths
- Planning
- Program trend line analysis
- Programming (scheduling)
- Project management
- Research
- Sequencing
- SNEAK circuit analysis
- Systems engineering

### Critical Point
- GS thermodynamic properties
- Thermophysical properties
- Critical point
- Mayer problem

### Critical Pressure
- GS pressure
- Critical pressure
- Thermodynamic properties
- Thermophysical properties
- Critical pressure
- High pressure
- Liquid phases
- Supercritical pressures
- Vapor phases

### Critical Reynolds Number
- Use critical velocity
  - Reynolds number

### Critical Speed
- Use critical velocity

### Critical Stress
- Use critical loading

### Critical Temperature
- GS temperature
- Critical temperature
- Thermodynamic properties
- Thermophysical properties
- Critical temperature
- Heat treatment
- Metallic hydrogen

### Critical Temperature (Cont.)
- Nongaseous gases
- Phase diagrams
- Phase transformations
- Ultralow temperatures

### Critical Velocity
- Critical Mach number
- Critical Reynolds number
- Critical speed
- GS rates (per time)
  - Critical velocity
  - Velocity
  - Critical velocity
  - Exhaust velocity
  - Resonant frequencies
  - Tip speed

### Crocco Method
- RT axial symmetric flow
- Boundary layers
- Compressible flow
- Entropy
- Inviscid flow

### Crocco-Lee Theory
- Boundary layer separation
- Continuity equation
- Gas flow
- Inviscid flow
- Mass flow
- Multiphase flow
- Separated flow

### Croplands
- Use farmlands

### Crop Identification
- Use crop identification
  - Agriculture
  - Crops
  - Earth resources
  - Evaluation
  - Farmlands
  - Ground truth
  - Imaging techniques
  - Multispectral photography
  - Recognition
  - Remote sensors
  - Sensors
  - Sorghum
  - Spectral signatures
  - Spot (French satellite)
  - Sunflowers
  - Timber identification

### Crop Inventories
- GS inventories
- Crop inventories
  - Agriculture
  - AgriStars project
  - Farm crops
  - Farmlands
  - Irrigation
  - Oats
  - Orchards
  - Phototropism
  - Plant stress
  - Plants (botany)
  - Sugar beets
  - Sugar cane
  - Thermal resources
  - Vegetation growth
  - Viability
  - Vineyards
  - Wheat

### Crop Growth
- Use crop growth
  - Agriculture
  - Alfalfa
  - Barley
  - Citrus trees
  - Farm crops
  - Farmlands
  - Irrigation
  - Oats
  - Orchards
  - Phototropism
  - Plant stress
  - Plants (botany)
  - Sugar beets
  - Sugar cane
  - Thermal resources
  - Vegetation growth
  - Viability
  - Vineyards
  - Wheat

### Crop Inventories by Remote Sensing
- Use AgriStars project

### Crop Vigor
- RT agriculture
  - Alfalfa
  - Barley
  - Citrus trees
  - Farm crops
  - Farmlands
  - Irrigation
  - Oats
  - Orchards
  - Phototropism
  - Plant stress
  - Plants (botany)
  - Sugar beets
  - Sugar cane
  - Thermal resources
  - Vegetation growth
  - Viability
  - Vineyards
  - Wheat

### Cross Correlation
- GS correlation
  - Cross correlation
  - Autocorrelation
  - Data correlation

### Cross Coupling
- GS coupling
  - Cross coupling
  - Communication theory
  - Couples
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CRYSTAL LATTICES (CONT.)
- ISOMORPHISM
- KOSSEL PATTERN
- LATTICE PARAMETERS
- LATTICE VIBRATIONS
- LATTICES
- LAUE METHOD
- METAL CRYSTALS
- METALLURGY
- 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
- ABERRATION
- ACOUSTO-OPTICS
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- CRYSTAL OSCILLATORS
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- OSCILLATORS
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- EXCLUDES CRYSTAL LATTICES
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- CLATHRATES
- CRYSTALLITY
- CRYSTALLITES
- DOPED CRYSTALS
- EPIXY
- GRAPHOPHYTEXY
- INTERSTITIALS
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- ANTHROPOLOGY
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CURING

CURIE TEMPERATURE

CURIE WEIGHT

CURING

CURRENT DENSITY

CURIE 242 (CONT.)

CURIE TEMPERATURE

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CURRENT ISSUE

CURRENT METAL

CURRENT NORM

CURRENT DENSITY

CURIE WEIGHT

CURRENT POTENTIAL

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CURRENT AMPLIFIERS

CURIE-WEISS LAW

CURRENT CONSUMPTION

CURRENT ISSUE

CURRENT METAL

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CURIE WEIGHT

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<th>CUSHIONCRAFT GROUND EFFECT MACHINE</th>
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<td>GROUND EFFECT MACHINES</td>
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<td>- CUSHIONCRAFT GROUND EFFECT MACHINE</td>
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<td>RT HOVERING</td>
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<td>VERTICAL TAKEOFF AIRCRAFT</td>
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<td>BUMPERS</td>
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<td>VIBRATION ISOLATORS</td>
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<td>- CUSPS (LANDFORMS)</td>
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<tr>
<td>RT BEACHES</td>
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RT BUILDING
COLD DRAWING
COLD WORKING
EXPLOSIVE FORMING
MAGNETIC FORMING
METAL WORKING
STRETCHING

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RT ACOUSTIC SCATTERING
ECHO SOUNDING
LAYER
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SCATTERING
SOUND WAVES
UNDERWATER ACOUSTICS

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... AEROSPACE ENVIRONMENTS
... DEEP SPACE
... INTERPLANETARY SPACE
... INTERSTELLAR SPACE
... EXTRATERRESTRIAL ENVIRONMENTS
... DEEP SPACE
... INTERPLANETARY SPACE
... INTERSTELLAR SPACE
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... LONG DURATION SPACE FLIGHT
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GS TRACKING NETWORKS
DEEP SPACE NETWORK
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... FLUID INJECTION
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TANKER TERMINALS
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GS ANIMALS
... VERTEBRATES
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RT GRAZING
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... SURFACE DEFECTS
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... CRACKS
... CUMULATIVE DAMAGE
... DAMAGE
... INHOMOGENEITY
... IRREGULARITIES
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... POROSITY
... SCORING
... VIGNETTING
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... X RAY ANALYSIS

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GS PROGRAMS
... PROJECTS
... DEFENDER PROJECT

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RT AIR DEFENSE
... ANTIMISSILE DEFENSE
... CIVIL DEFENSE
... MISSILE DEFENSE
... PHYSICAL DEFENSES

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GS TELECOMMUNICATION
... SATELLITE SYSTEM
... FLEET SATELLITE COMMUNICATION SYSTEM
... COMMUNICATION SATELLITES
... RADIO RELAY SYSTEMS
... SPACE COMMUNICATION

DEFENSE COMMUNICATIONS SYSTEM (DCS)
GS TELECOMMUNICATION
... DEFENSE COMMUNICATIONS SYSTEM (DCS)
... COMMUNICATION NETWORKS
... MILITARY TECHNOLOGY

DEFENSE INDUSTRY
GS INDUSTRIES
... DEFENSE INDUSTRY
... WEAPONS INDUSTRY
RT ANTIMISSILE DEFENSE
... MILITARY TECHNOLOGY
... MISSILE DEFENSE

DEFENSE PROGRAM
GS PROGRAMS
... DEFENSE PROGRAM
... AIR DEFENSE
... ARMED FORCES (UNITED STATES)
... CIVIL DEFENSE
... MILITARY TECHNOLOGY
... MISSILE DEFENSE
... SPACE TRANSPORTATION SYSTEM WEAPONS DELIVERY
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... FLASHBACK

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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

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GS DEFLECTORS
... BLAST DEFLECTORS
... FLAME DEFLECTORS
... ATTENUATORS
RT BUMPS
... DIFFUSERS
... DIVERS
... FLOW DEFLECTION
... GUST ALLEViators
... REFLECTORS
... SAFETY DEVICES
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... SPOILERS

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GS FOCUSING
. DEFOCUSING
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... DOUGLAS (BOTANY)
... FORESTS
... HENDRICES
... LEAVES
... PLANTS (BOTANY)
... TREES (PLANTS)

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RT CLEARINGS (OPENINGS)
... CONSERVATION
... DEFORECTION
... ENVIRONMENT EFFECTS
... FORESTS
... LEAVES
... PLANTS (BOTANY)
... TREES (PLANTS)

DEFORMATION
GS DEFORMATION
... AXIAL STRAIN
... ELASTIC DEFORMATION
... ELASTIC BENDING
... ELASTIC BUCKLING
... NUCLEAR DEFORMATION
... PLASTIC DEFORMATION
... STATIC DEFORMATION
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... BENDING

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FLAMMABILITY
FLAMMABLE GASES
GAS EXPLOSIONS
GAS-GAS INTERACTIONS
OXYACETYLENE

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UF CHAPMAN-JOUGET FLAME
RT CHEMICAL EXPLOSIONS
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EXPLOSIONS
FIRING (IGNITING)
FLAME PROPAGATION
INITIATION
PERCUSSION
PRIMERS (EXPLOSIVES)
PROPPELLANT EXPLOSIONS
ROCKET FIRING
SHOCK WAVES

DETONATION WAVES
GS ELASTIC WAVES
SHOCK WAVES
DETONATION WAVES
RT COMBUSTIBLE FLOW
FLAME PROPAGATION
GAS EXPLOSIONS
SEISMIC WAVES
SOUND WAVES
WAVES

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GS EXPLOSIVE DEVICES
INITIATORS (EXPLOSIVES)
DETONATORS
IGNITERS
INITIATORS (EXPLOSIVES)
DETONATORS
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EXPLOSIVES
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GS HYDROGEN COMPOUNDS
DEUTERIUM COMPOUNDS
DEUTERIDES
RT HYDROGEN

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UF HYDROGEN 2
GS CHEMICAL ELEMENTS
HYDROGEN
HYDROGEN ISOTOPES
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NUCLIDES
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HYDROGEN ISOTOPES
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HYDROGEN
HYDROGEN ISOTOPES
DEUTERIUM
RT HEAVY WATER
HYDROGEN FUELS
HYDROGEN PLASMA
NUCLEAR FUELS

DEUTERIUM COMPOUNDS
GS HYDROGEN COMPOUNDS
DEUTERIUM COMPOUNDS
DEUTERIDES
DEUTERIUM FLUORIDES
HEAVY WATER

DEUTERIUM FLUORIDES
UF DF
GS HYDROGEN COMPOUNDS
DEUTERIUM COMPOUNDS

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RT DF LASERS

DEUTERIUM OXIDES
USE HEAVY WATER

DEUTERIUM PLASMA
GS CHEMICAL ELEMENTS
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HYDROGEN
HYDROGEN PLASMA
DEUTERIUM PLASMA
RT DEUTERIUM

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GS IRRADIATION
DEUTERIUM RADIATION
RT ALPHA PARTICLES
CHARGED PARTICLES
NUCLEAR FUSION
PARTICLES
PLASMAS (PHYSICS)
PROTON RADIATION

DEUTERIUMS
GS IONS
DEUTERIUM PARTICLES
ELEMENTARY PARTICLES
DEUTERIUM
RT ALPHA PARTICLES
COSMIC RAYS
DEUTERIUM PLASMA
PHOTOMAGNETIC EFFECTS
PLASMAS (PHYSICS)
PONENAMENKU THEOREM
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USE PHOTOGRAPHIC DEVELOPERS

DEVELOPING NATIONS
GS NATIONS
DEVELOPING NATIONS
RT ECONOMIC DEVELOPMENT
ECONOMIC FACTORS
UNITED NATIONS

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SN USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS (LISTED BELOW)
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EVOLUTION (DEVELOPMENT)
EXPLOITATION
GROWTH
LAND USE
MANAGEMENT PLANNING
MISSILE DESIGN
PERSONNEL DEVELOPMENT
PHOTOGRAPHIC DEVELOPERS
PRODUCT DEVELOPMENT
RURAL LAND USE
STANISLAE PROGRAM
TRAINING ANALYSIS
URBAN DEVELOPMENT

DEVOTION
RT ABEPTION
ABNORMALITIES
ASYMETRY
DISPERSION
DISTORTION
DIVERGENCE
DRIFT
ECCENTRICITY
HETEROGENEITY
IRRREGULARITIES
NONSYNCHRONIZATION
VARIATIONS

DEVICES
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

DEVICES
RT DF LASERS

DEW POINT
RT ATOMIC MOISTURE
CONDENSING
HYDROMETERS

DEW SYSTEMS
USE CRYOGENIC EQUIPMENT

DEWATERING
RT DEHYDRATION
DRYING
POLLUTION CONTROL
WASTE DISPOSAL
WATER RECLAMATION

DEWAXING
RT DECONTAMINATION
REFINING

DEWETTING
USE DRYING

DEXTRANS
GS ALIPHATIC COMPOUNDS
POLYSACCHARIDES
DEXTRANS
SUGARS
DEXTRANS
CARBOHYDRATES
POLYSACCHARIDES
DEXTRANS
SUGARS
DEXTRANS

DF
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DF LASERS
USE DEUTERIUM FLUORIDE LASERS
LASERS
DF LASERS

DFA
USE DELAYED FLAP APPROACH

DH 108 AIRCRAFT
USE COMET 4 AIRCRAFT

DH 108 AIRCRAFT
UF DE HAVILLAND DH 108 AIRCRAFT
GS DE HAVILLAND AIRCRAFT
DH 108 AIRCRAFT
HAWKER SIDDELEY AIRCRAFT
DH 108 AIRCRAFT

DH 108 AIRCRAFT
USE DEUTERIUM FLUORIDES

DH 108 AIRCRAFT
GS DE HAVILLAND DH 108 AIRCRAFT
DH 108 AIRCRAFT
HAWKER SIDDELEY AIRCRAFT
DH 108 AIRCRAFT
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DIMENSIONS-(CONT.)
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. DISCOVERER 17 SATELLITE

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. DISCOVERER SATELILTES

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. DISCOVERER SATELILTES
DISINTEGRATION

RT
ATOMIZING
COMMINUTION
CRUSHERS
CRUSHING
DAMAGE
DELAY
DECOMPOSITION
DETERIORATION
FLAKING
GRINDING (COMMINUTION)
IONIZATION
LYSOSOMES

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CELESTIAL BODIES

... DISK GALAXIES
RT ANDROMEDA GALAXIES
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ELLIPTICAL GALAXIES
GALACTIC CLUSTERS
GALACTIC EVOLUTION
GALACTIC NUCLEI
GALACTIC ROTATION
GALACTIC STRUCTURE
RADIO GALAXIES
SPIRAL GALAXIES
STAR CLUSTERS
VIRGO GALACTIC CLUSTER

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DISPLAY SYSTEMS
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... 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
... RADARSCAPES
... PLAN POSITION INDICATORS
... SPEED INDICATORS
... ANEMOMETERS
... DRAG FORCE ANEMOMETERS
... HOT-FILM ANEMOMETERS
... HOT-WIRE ANEMOMETERS
... SONIC ANEMOMETERS
... TACHMETERS
... AIRBINES SURVEILLANCE RADAR
... AIRCRAFT EQUIPMENT
... AIRCRAFT INSTRUMENTS
... AUTOMATIC TYPWRITERS
... CANCELLATION CIRCUITS
... CATHODE RAY TUBES
... CHARTS
... COMPUTER GRAPHICS
... CONSOLES
... CONTROL BOARDS
... CREW PROCEEDURES (INFLIGHT)
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... DATA RECORDERS
... DETECTORS
... DIALS
... FLIGHT CONTROL
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DOMAIN WALL
RT DOMAINS MAGNETIC DOMAINS MOTION

DOMAINS
GS DOMAINS MAGNETIC DOMAINS RT DIPOLAR MOMENTS DOME WALL ELECTRICAL PROPERTIES RANGE (EXTREMES)

DOMES
(USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
RT DOMES GEODESIC DOMES STRUCTURAL FORMS

DOMESTIC ENERGY
RT ALLOCATIONS COMMERCIAL ENERGY DISTRIBUTING ECONOMIC FACTORS ENERGY CONSUMPTION ENERGY CONVERSION INDUSTRIAL ENERGY SOLAR COOLING SOLAR HEATING TRANSPORTATION ENERGY WATER HEATING

DOMESTIC SATELLITE COMMUNICATIONS SYSTEMS
RT COMMUNICATION SATELLITES MICROWAVE TRANSMISSION RCA SATCOM C RCA SATCOM SATELLITES RCA SATCOM 1 SATELLITE NETWORKS SATELLITE TRANSMISSION SATELLITES

DOMINANCE
GS DOMINANCE EYE DOMINANCE RT GENETICS

DOMINICAN REPUBLIC
RT CARIBBEAN SEA ISLANDS WEST INDIES DOMINICA NATIONS

DOMINO PROPELLANTS
GS PROPELLANTS HIGH ENERGY PROPELLANTS DOMINO PROPELLANTS RT PLASTICIZERS ROCKET OXIDIZERS SOLID ROCKET PROPELLANTS

DOPPLER EQUATIONS
RT BUCKLING EQUATIONS STRESS ANALYSIS

DONOR MATERIALS
GS SEMICONDUCTORS (MATERIALS) RT CARRIER DENSITY (SOLID STATE) ELECRONS HOLEs ELECTRON DEFICIENCIES

DOORS
RT EXITS (DOORS) AIR LOCKS APERTURES CURTAINS EGRESS ENTRANCES FLOORS GATES (OPENINGS) HATCHES INGRESS (SPACERAK CRAFT PASSAGeway) OPENINGS OUTLETS THRESHOLDS WINDOWS (APERTURES)

DOPPA
RT DHYDROXYPHENYLALANINE GS ORGANIC COMPOUNDS DOPA RT CHEMICAL COMPOUNDS MELANIN OXIDATION PIGMENTS

DOPED CRYSTALS
GS CRYSTALS DOPED CRYSTALS RT CRYSTAL GROWTH CRYSTAL OPTICS CRYSTAL STRUCTURE

DOSES
RT ADDITIVES FILLERS FINISHES GELS PRIMERS (COATINGS) SEALERS

DOPING (ADDITIVES)
USE ADDITIVES

DOPPLER EFFECT
RT DOVAP STELLAR DOPPLER SHIFT GS DOPPLER EFFECT RT DOPPLER-FIZEAU EFFECT RT EFFECTS ELASTIC WAVES ELECTROMAGNETIC RADIATION FIZEAU EFFECT FREQUENCY SHIFT OPTICAL HETERODYNING RADIAL VELOCITY RED SHIFT STELLAR MOTIONS

DOPPLER NAVIGATION
GS NAVIGATION DOPPLER NAVIGATION RT AIR NAVIGATION ALL-WEATHER AIR NAVIGATION DEAD RECKONING RADAR NAVIGATION RADIO NAVIGATION

DOPPLER RADAR
GS RADAR DOPPLER RADAR RT MULTISTATIC 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 SURVEILLANCE RADAR

DOPPLER-FIZEAU EFFECT
GS DOPPLER EFFECT

DOUBLE BASE PROPELLANTS

DORNIER AIRCRAFT
GS DORNIER AIRCRAFT DO-27 AIRCRAFT DO-26 AIRCRAFT DO-25 AIRCRAFT DO-31 AIRCRAFT RT AIRCRAFT

DORNIER DO-27 AIRCRAFT
USE DO-27 AIRCRAFT

DORNIER DO-28 AIRCRAFT
USE DO-28 AIRCRAFT

DORNIER DO-29 AIRCRAFT
USE DO-29 AIRCRAFT

DORNIER DO-31 AIRCRAFT
USE DO-31 AIRCRAFT

DORNIER PARAGLIDER ROCKET VEHICLE
GS ROCKET VEHICLES SINGLE STAGE ROCKET VEHICLES DORNIER PARAGlider ROCKET VEHICLE SOUNDING ROCKETS DORNIER PARAGLIDER ROCKET VEHICLE
RT LIQUID PROPELLANT ROCKET ENGINES

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RT ANATOMY POSTERIOR SECTIONS

DOSE
RT DOSE GS DOSAGE RT BIOLOGICAL EFFECTS DOSIMETERS DRUGS RADIATION MEASUREMENT

DOSIMETERS
RT DOSIMETERS RT DOSIMETRY GS MEASURING INSTRUMENTS RADIATION MEASURING INSTRUMENTS RADIATION DETECTORS DOSIMETERS DOSE RADIATION DETECTORS (DOSEMETERS)

DOUBLE BASE PROPELLANTS

DORNIER PARAGlider ROCKET VEHICLE
GS PROPELLANTS DOUBLE BASE PROPELLANTS DOUBLE BASE ROCKET PROPELLANTS

DOUBLE BASE PROPELLANTS
RT CELLULOSE NITRATE COMPOSITE PROPELLANTS
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  - JINDIVI TARGET AIRCRAFT
  - MILITARY AIRCRAFT
  - PILOTLESS AIRCRAFT
  - SANDPIPER TARGET MISSILE
  - WINGED VEHICLES

- **GS** AERODYNAMIC CONFIGURATIONS
- **RT** DROOPED AIRFOILS
- **GS** AIRCRAFT CONFIGURATIONS
- **RT** DROPPED AIRFOILS
- **RT** AIRPOD
- **RT** DROP TESTS
- **RT** DROPS (LIQUIDS)

**DROPEO AIRFOILS**

- **GS** MEASURING INSTRUMENTS
- **RT** DROPS (LIQUIDS)
- **GS** DROPS (LIQUIDS)
- **RT** AIR POLLUTION
- **RT** CONDENSING
- **RT** SPRAYERS

**DROP TUBES**

- **GS** METEOROLOGICAL BALLOONS
- **RT** METEOROLOGICAL BALLOONS
- **RT** RAWSONDES

**DROP TRANSFER**

- **GS** MEASURING INSTRUMENTS
- **RT** MEASURING INSTRUMENTS

**DROP WEIGHT TESTS**

- **GS** MEASURING INSTRUMENTS
- **RT** MEASURING INSTRUMENTS

**DROPPING**

- **GS** ANIMALS
- **GS** ARTHROPOIDS
- **GS** INSECTS
- **GS** DROSOPHILA
- **RT** CHRONOMUS FLIES

**DROUGHT**

- **GS** DROUGHT CONDITIONS
- **RT** ARTIC LANDS
- **RT** CONSIDERATION
- **GS** FLOODS
- **RT** HYDROLOGY
- **RT** POTABLE WATER
- **RT** PRECIPITATION (METEOROLOGY)
- **RT** WATER CONSUMPTION
- **RT** WATER MANAGEMENT
- **RT** WATER POLLUTION
- **RT** WATER RECLAMATION

**DROUGHT CONDITIONS**

- **GS** USE DROUGHT

**DROWSINESS**

- **GS** USE SLEEP

**DRUG THERAPY**

- **GS** CHEMOTHERAPY

**DRUGS**

- **GS** DRUGS
- **RT** DRUGS

**DRUMS**

- **GS** DRUMS
- **GS** DRUMS (CONTAINERS)
- **RT** DRUMS
- **RT** BARRELS
- **RT** CYLINDERS
- **RT** DRUMS (CONTAINERS)

**DROOPED AIRFOILS**

- **GS** AERODYNAMIC CONFIGURATIONS
- **RT** DROPPED AIRFOILS
- **GS** BODY-WING CONFIGURATIONS
- **RT** BODY-WING CONFIGURATIONS

**DROPEO AIRFOILS**

- **GS** MEASURING INSTRUMENTS
- **RT** DROPPED AIRFOILS
- **RT** AIRPOD
- **RT** CONDENSING
- **RT** SPRAYERS

**DROP TUBES**

- **GS** MEASURING INSTRUMENTS
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**DROP TRANSFER**

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- **RT** MEASURING INSTRUMENTS

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**DRUMS**

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FEASIBILITY ANALYSIS
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MANAGEMENT
RESERVES
RESOURCES
TRANSPORTATION ENERGY

ECONOMIC IMPACT
GS IMPACT
ECOLOGICAL IMPACT
RT COSTS
ENVIRONMENTS
INDUSTRIES
INVESTMENTS
RESOURCES

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GS ECONOMICS
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EDDINGTON APPROXIMATION

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SN LIMITED TO ELECTRIC CURRENTS
GS ELECTRIC CURRENT
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COST EFFECTIVENESS
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EFFECTORS
USE CONTROL EQUIPMENT

**EFFECTS**

SN USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW
UF AFFECTS
RT ATMOSPHERIC EFFECTS
AUGER EFFECT
BAUSCHINGER EFFECT
BIOLOGICAL EFFECTS
CAUSES
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LUNAR EFFECTS
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- GS: Electric Charge
  - Magnetic Field
  - Electrical Field
  - Electric Potential
  - Electric Current
- RT: Electric Charge
  - Electric Dipole
  - Electric Field Strength
- UF: Electric Charge
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  - Electric Current

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- GS: Electric Control
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  - Remote Control
  - Solenoid Valves
- RT: Electric Control
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- GS: Electric Current
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- RT: Electric Current
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- RT: Electric Energy Storage
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- GS: Electric Energy Tests
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- GS: Electric Fields
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- GS: Electric Control Equipment
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  - Electric Arches
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- GS: Electric Discharge Equipment
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- RT: Electric Discharge Equipment
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- GS: Electric Energy
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- RT: Electric Energy
  - Energy Storage

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- GS: Electric Field
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- RT: Electric Field
  - Electric Field Strength

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- GS: Electric Equipment
  - Equipment
- RT: Electric Equipment
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- GS: Electric Instruments
  - Instruments
- RT: Electric Instruments
  - Instruments

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- GS: Electric Lightning
  - Lightning
- RT: Electric Lightning
  - Lightning

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- GS: Electric Power Transmission
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- RT: Electric Power Transmission
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- GS: Electric Currents
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- RT: Electric Currents
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- GS: Electric Resistance
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- RT: Electric Resistance
  - Resistance

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- GS: Electric Supply
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- RT: Electric Supply
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- GS: Electric Systems
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- RT: Electric Systems
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FEEDBACK CONTROL

FEDERAL BUDGETS-(CONT.)
CONTRACTS
COST ESTIMATES
FINANCIAL MANAGEMENT
GOVERNMENT PROCUREMENT
PROCUREMENT MANAGEMENT

FEDERAL REPUBLIC OF GERMANY
USE WEST GERMANY

FEDERATIONS
GS ORGANIZATIONS
FEDERATION
RT INSTITUTIONS
INTERNATIONAL COOPERATION
NATIONS
TEAMS
UNIONIZATION
UNITED NATIONS

FEED SYSTEMS
RT COLD FLOW TESTS
FEEDING (SUPPLYING)
FUEL TANKS
INTAKE SYSTEMS
PUMPS
SYSTEMS

FEEDBACK
GS AMPLIFIERS
FEEDBACK AMPLIFIERS
RT NONLINEAR FEEDBACK
OSCILLATORS
PHANTASTRONS
POWERS
SELF OSCILLATION
SERVOMETERS
TRANSISTOR AMPLIFIERS
VOLTAGE AMPLIFIERS

FEEDBACK CIRCUITS
GS CIRCUITS
FEEDBACK CIRCUITS
RT FEEDFORWARD CONTROL
TRANSFER FUNCTIONS

FEEDBACK CONTROL
UF CLOSED LOOP SYSTEMS
GS AUTOMATIC CONTROL
FEEDBACK CONTROL
CASCADE CONTROL
ADAPTIVE CONTROL
AUTOMATIC FREQUENCY CONTROL
AUTOMATIC GAIN CONTROL
SYSTEMS
CONTROL
CONTROL EQUIPMENT
CONTROL THEORY
DYNAMIC CONTROL
ELECTRONIC CONTROL
KALMAN-SCHMIDT FILTERING
LEARNING MACHINES
NEGATIVE FEEDBACK
NONLINEAR FEEDBACK
OBSERVABILITY (SYSTEMS)
OPTIMAL CONTROL
PROPORTIONAL CONTROL
ROBUSTNESS (MATHEMATICS)
SERVOCONTROL
SERVOMECHANISMS
STABILITY AUGMENTATION
TERMINAL CONFIGURED VEHICLE
PROGRAM
TRACKING PROBLEM
**NASA Thesaurus (Volume 1)**

### Ferrofluids
- **GS** Liquids
  - Ferrofluids
- **RT** Dispersions
  - Fluids
  - Microparticles
  - Suspending (mixing)
  - Suspensions

### Ferrography
- **RT** Fatigue Tests
  - Metallography
  - Wear Tests

### Ferromagnetic Films
- **GS** Magnetic Materials
  - Ferromagnetic Materials
  - Thin Films
  - Ferromagnetic Films

### Ferromagnetic Materials
- **GS** Magnetic Materials
  - Ferromagnetic Materials
  - Ferrofluids
  - Ferromagnetic Films
  - Magnetite
  - Ferrofluids (trademark)
- **RT** Ferromagnetic Materials
  - Magnets
  - Materials
  - Yokes

### Ferromagnetic Resonance
- **GS** Resonance
  - Magnetic Resonance
  - Ferromagnetic Resonance
- **RT** Magnetic Fields
  - Paramagnetic Resonance

### Ferromagnetism
- **UF** Ising Model
- **GS** Magnetic Properties
  - Ferromagnetism
- **RT** Antiferromagnetism
  - Curie Temperature
  - Curie-Weiss Law
  - Diamagnetism
  - Langevin Formula
  - Magnetic Cores
  - Magnetic Dispersion
  - Magnets
  - Magnons

### Ferrous Metals
- **GS** Metals
  - Ferrous Metals
- **RT** Alloys
  - Chemical Elements
  - Iron
  - Iron Isotopes
  - Metallurgy

### Ferry Spacecraft
- **UF** Space Buses
  - GS Maneuverable Spacecraft
  - Ferry Spacecraft
- **RT** Astro Vehicle
  - Cargo Spacecraft
  - Mars (Manned Reusable Spacecraft)
  - Reentry Vehicles
  - Rendezvous Spacecraft
  - Reusable Spacecraft
  - Soft Landing Spacecraft
  - Space Stations

### Fertility
- **RT** Breeding (Reproduction)
  - Fertilization
  - Reproduction (Biology)
  - Reproductive Systems

### Fertilization
- **RT** Birth
  - Fertility
  - Recombination Reactions
  - Spermatogenesis

### Fertilizers
- **RT** Ammonia
  - Ammonium Nitrates
  - Ashes
  - Cultivation
  - Planting
  - Ureas
  - Vegetation Growth

### Feynman Diagrams
- **GS** Diagrams
  - Electromagnetic Interactions
  - Minkowski Space
  - Particle Interactions
  - Quantum Electrodynamics

### Fiar Rocket Vehicle
- **RT** Folding Fin Aircraft Rocket Vehicle

### Fift
- **RT** Fast Fourier Transformations

### Fh-1100 Helicopter
- **RT** OH-5 Helicopter

### Fiat Aircraft
- **GS** Fiat Aircraft
  - Fiat Aircraft
  - Fiat 702 Helicopter
  - G-91 Aircraft
  - G-95/4 Aircraft

### Fiat G-91 Aircraft
- **RT** Fiat 91 Aircraft

### Fiat G-95/4 Aircraft
- **RT** Fiat 95/4 Aircraft

### Fiat G-222 Aircraft
- **RT** Fiat 222 Aircraft

### Fiat 702 Helicopter
- **GS** Fiat Helicopter
  - Fiat 702 Helicopter
  - General Aviation Aircraft
  - Passenger Aircraft
  - Transport Aircraft
  - VTOL Aircraft
  - Rotary Wing Aircraft
  - Helicopters
  - Fiat 702 Helicopter

### Fiber Composites
- **GS** Composite Materials
  - Fiber Composites
  - Carbon Fiber Reinforced Plastics
  - Aluminum Boron Composites
  - Boron Fibers
  - Boron Reinforced Materials
  - Boron-Epoxy Comounds
  - Boric (tradename)
  - Carbon Fibers
  - Carbon-Carbon Composites
  - Composite Wrapping
  - Fiber Reinforced Composites
  - Filament Winding
  - Graphite
  - Graphite-Epoxy Composites

### Fiber Composites (Cont.)
- **Fibers**
  - Laminates
  - Metal Fibers
  - Metal Matrix Composites
  - Micarta
  - Polymer Matrix Composites
  - Pultrusion
  - Reinforced Plastics
  - Reinforcing Fibers
  - Superhybrid Materials
  - Three Dimensional Composites

### Fiber Optics
- **RT** Cassegrain Optics
  - Crystal Optics
  - Electron Tubes
  - Geometrical Optics
  - Gradient Index Optics
  - Light Transmission
  - Optics
  - Photonics
  - Physical Optics
  - Vidicons

### Fiber Orientation
- **RT** Boron Fibers
  - Composite Materials
  - Dynamic Response
  - Epoxy Matrix Composites
  - Glass Fiber Reinforced Plastics
  - Impact Loads
  - Lay-Up
  - Mechanical Properties
  - Orientation
  - Reinforcing Fibers

### Fiber Reinforced Composites
- **GS** Composite Materials
  - Fiber Reinforced Composites
- **RT** Fiber Composites
  - Glass Fiber Reinforced Plastics
  - Matrix Materials
  - Reinforcing Materials

### Fiber Release
- **GS** Releasing
  - Fiber Release
- **RT** Carbon Fibers
  - Combustion Products
  - Composite Materials
  - Fibers
  - Fiets
  - Graphite

### Fiber Strength
- **GS** Mechanical Properties
  - Fiber Strength
- **RT** Bending
  - Boron Fibers
  - Compressive Strength
  - Hooke's Law
  - Poison Ratio
  - Shear Strength
  - Strength
  - Tensile Strength

### Fiberglass
- **UF** Glass Fibers

### Fibers
- **UF** Fibrous Materials
  - Refrasil (trademark)
- **GS** Fibers
  - Cotton Fibers
  - Hair
  - Linen
  - Metal Fibers
  - Microfibers
  - Reinforcing Fibers
  - Boron Fibers
  - Carbon Fibers
  - Silk
  - Synthetic Fibers
  - Dacron (trademark)
  - Fortisan (trademark)
  - Glass Fibers
  - Nylon (trademark)
  - Rayon
  - Wool
- **RT** Boron Reinforced Materials
  - Carbon Fiber Reinforced Plastics
  - Composite Materials
  - Cordage
  - Cotton
<table>
<thead>
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<th>Term</th>
<th>Definition</th>
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<tr>
<td>Flares</td>
<td>Lighting equipment, luminaires, pyrotechnics, runway lights, solar flares, solar maximum mission, solar terrestrial interactions, stellar flares.</td>
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<td>Flash</td>
<td>Use of a more specific term is recommended—consult the terms listed below.</td>
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<tr>
<td>Flashing (vaporizing)</td>
<td>Explosion, flash welding, flashing (vaporizing), light (visible radiation), radiography, solar flares.</td>
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<td>Flash tubes</td>
<td>Use flash lamps.</td>
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<tr>
<td>Flash welding</td>
<td>GS welding.</td>
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<tr>
<td>Flat coaxial transmission lines</td>
<td>Use microstrip transmission lines.</td>
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<tr>
<td>Flat conductors</td>
<td>GS conductors, flat conductors, RT bus conductors, circuits.</td>
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<td>Flat layers</td>
<td>RT flatness.</td>
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<tr>
<td>Flat patterns</td>
<td>RT castings, molds.</td>
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<tr>
<td>Flat plates</td>
<td>GS structural members, flat plates, RT annular plates.</td>
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<tr>
<td>Flat surfaces</td>
<td>Use facet, GS sheet, RT convexity.</td>
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<tr>
<td>Flatness</td>
<td>GS shapes, flatness, RT concavity.</td>
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<td>Flats (landforms)</td>
<td>Use adobe flats, salt flats, GS landforms, flats (landforms), tidal flats.</td>
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<tr>
<td>Flattening</td>
<td>Use microstrip transmission lines.</td>
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**Flammable Gases (Cont.)**

- Pyrogen
- Chemical explosions, detonable gas mixtures, explosives, firing (igniting), flammability, gas explosions, hazards.

**Flanges**

- Flange wrinkling (RT buckling)
- Flanges (RT connectors, metal plates)

**Flap Control**

- Use aircraft control flaps (control surfaces)

**Flapping**

- Flutters, resonant vibration, rotor aerodynamics, shaking, undamped oscillations, vibration, wing oscillations.

**Flapping Hinges**

- GS hinges, flapping hinges (RT rotary wings, rotor aerodynamics).

**Flaps**

- Flaps (control surfaces), flaps (control surfaces, externally blown flaps, upper surface blown flaps, jet flaps, split flaps, wing flaps, leading edge slats, trailing-edge flaps, vortex flaps, control surfaces.
- FLATS (control surfaces, externally blown flaps, upper surface blown flaps, jet flaps, split flaps, wing flaps, leading edge slats, trailing-edge flaps).

**Flare Stars**

- UV CETI stars, celestial bodies, stars, dwarf stars, flare stars, M stars, flare stars.
- Solar flares, stellar flares, variable stars.

**Flared Bodies**

- Aircraft configurations, spacecraft configurations, symmetrical bodies.

**Flares**

- Flares, spaceflares, symmetrical bodies.
- Use flares.
FLIGHT SIMULATORS

FLIGHT SIMULATORS
GS SIMULATORS
FLIGHT SIMULATORS
FLIGHT SIMULATORS
COCKPIT SIMULATORS
RT ATMOSPHERIC ENTRY SIMULATION
CENTRIFUGES
CONTROL SIMULATION
CRYOGENIC WIND TUNNELS
LANEY COMPLEX COORDINATOR
LUNAR ORBIT AND LANDING SIMULATORS
MISSION SIMULATORS
MOTION SIMULATORS
PILOT TRAINING
SPACE ENVIRONMENT SIMULATION
SPACE SIMULATORS
TEST FACILITIES
TRAINING DEVICES
WIND TUNNELS

FLIGHT STABILITY TESTS
GS FLIGHT TESTS
FLIGHT STABILITY TESTS
STABILITY TESTS
FLIGHT STABILITY TESTS
RT AERODYNAMIC STABILITY

FLIGHT STRESS
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)
RT FLIGHT FATIGUE
RT FLIGHT FITNESS
RT FLIGHT SAFETY
HUMAN FACTORS ENGINEERING
SPACE FLIGHT STRESS
STRESS ANALYSIS
STRESSES

FLIGHT STRESS (BIOLOGY)
SN (EXCLUDES MECHANICAL STRESS AND END STRAIN)
GS FLIGHT STRESS (BIOLOGY)
SPACE FLIGHT STRESS
RT ACCELERATION (PHYSICS)
BIOLOGICAL EFFECTS
JET LAG
PHYSIOLOGICAL FACTORS
PSYCHOLOGICAL FACTORS
STRESS (PHYSIOLOGY)
STRESS (PSYCHOLOGY)
WEIGHTLESSNESS

FLIGHT SURGEONS
GS PERSONNEL
MEDICAL PERSONNEL
SURGEONS
FLIGHT SURGEONS

FLIGHT TECHNICAL ERROR
USE PILOT ERROR

FLIGHT TEST INSTRUMENTS
GS FLIGHT TESTS
FLIGHT TEST INSTRUMENTS
AIRCRAFT INSTRUMENTS
ROCKET-BORNE INSTRUMENTS
SPACECRAFT INSTRUMENTS

FLIGHT TEST VEHICLES
GS TEST VEHICLES
FLIGHT TEST VEHICLES
AIRCRAFT
LAUNCH VEHICLES
MISSILES
RESEARCH AIRCRAFT
SPACECRAFT

FLIGHT TESTS
GS FLIGHT TESTS
FLIGHT STABILITY TESTS
SPACE TRANSPORTATION SYSTEM 1
SPACE TRANSPORTATION SYSTEM 2
SPACE TRANSPORTATION SYSTEM 3
FLIGHT
SPACE TRANSPORTATION SYSTEM 4
FLIGHT
SPACE TRANSPORTATION SYSTEM 5
FLIGHT

FLIGHT TESTS (CONT.)
SPACE TRANSPORTATION SYSTEM 6
SPACE TRANSPORTATION SYSTEM 7
SPACE TRANSPORTATION SYSTEM 8
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SPACE TRANSPORTATION SYSTEM 9
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SPACE TRANSPORTATION SYSTEM 10
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SPACE TRANSPORTATION SYSTEM 11
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SPACE TRANSPORTATION SYSTEM 12
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SPACE TRANSPORTATION SYSTEM 13
FLIGHT
SPACE TRANSPORTATION SYSTEM 14
FLIGHT
SPACE TRANSPORTATION SYSTEM 15
FLIGHT

FLIGHT TIME
GS TIME
FLIGHT TIME
RT AIR TRAFFIC CONTROL
BURNING TIME
TESTING TIME
TRAJECTORY
TRANSIT TIME
TURNAROUND (STS)
WINDOWS (INTERVALS)

FLIGHT VEHICLES
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

FLIGHT SIMULATORS—(CONT.)
GS MEASURING INSTRUMENTS
RADIATION MEASURING INSTRUMENTS
INFRARED INSTRUMENTS
INFRARED DETECTORS
RT DETECTORS
INFRARED RADAR
SENSORS

FLOATING
RT BALLAST (MASS)
BUOYS
EMERGENCY LIFE SUSTAINING SYSTEMS
FLOATING
INFLATABLE STRUCTURES
LANDING GEAR
LIFE RAFTS
RAFTS
SEPARATORS

FLOCCULATING
RT AGGLOMERATION
CODAGULATION
COALESCING
COLLOIDING
CONCENTRATING
FLOTATION
PRECIPITATION (CHEMISTRY)
SETTLING
WATER TREATMENT

FLOOD CONTROL
RT CANALS
DRAINAGE
HYDROLOGY
RAINSTORMS
STORM DAMAGE
STORMS (METEOROLOGY)
WATERSHEDS

FLOOD DAMAGE
GS DAMAGE
FLOOD DAMAGE
RT DRAINAGE PATTERNS
HYDROLOGY
LANDSLIDES
PRECIPITATION (METEOROLOGY)
SEEPA GE
STORMS
STORMS (METEOROLOGY)
TIDES
WATER EROSION
WATER FLOW

FLOOD PLAINS
GS LAND
FLOOD PLAINS
RT FLOODS
HYDROGEOLoGY
HYDROLOGY

FLOOD PREDICTIONS
GS PREDICTIONS
FLOOD PREDICTIONS
RT FLOODS
HYDROGEOLoGY
HYDROLOGY

FLOODS
RT ALLUVIUM
DROUGHT
**FLYING PLATFORMS (CONT.)**

- Observation Aircraft
- Reconnaissance Aircraft
- Research Aircraft
- Subsonic Aircraft
- V-2 Aircraft

**FLYING QUALITIES**

- Use: Flight Characteristics

**FLYING SPOT SCANNERS**

- GS: 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**

- GS: Rotating Bodies
  - Rotors
  - Flywheels
  - Wheels
- RT: Balancing
  - Counter-Rotating Wheels
  - Energy Storage
  - Engine Parts
  - Mechanical Engineering
  - Reaction Wheels

**FM/PM (MODULATION)**

- GS: Modulation
  - Frequency Modulation
  - FM/PM (Modulation)
  - Phase Modulation
  - FM/PM (Modulation)
- RT: Data Transmission

**FOAMING**

- RT: Beneficiation
  - Flocculation
  - Foams
  - Metal Foams
  - Separation
  - Surface Properties
  - Swirling
  - Wetting

**FOAMS**

- UF: Cellular Materials (Non-Biological)
- GS: Foams
  - Metal Foams
- RT: Bubbles
  - Colloids
  - Explosion Suppression
  - Foaming
  - Low Density Materials
  - Polyurethane Foam
  - Styrofoam (Trademark)

**FOCI**

- GS: Foci
  - Plasma Focus
  - Centers
  - Focusing
  - Geometry
  - Locii
  - Optics
  - Points (Mathematics)
  - Resolution

**FOCUSING**

- GS: Focusing
  - Defocusing
  - Prefocusing
  - Sufi Focusing
- RT: Accommodation
  - Adjusting
  - Astigmatism
  - Cameras
  - Distance
  - Foci

**FOCUSING (CONT.)**

- 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**

- GS: Mixtures
  - Dispersions
  - Colloids
  - Aerosols
  - Liquid-Gas Mixtures
  - Aerosols
  - Fog
  - Particles
  - Aerosols
  - Fog
- RT: Anvil Clouds
  - Cirrocumulus Clouds
  - Cirrus Clouds (Meteorology)
  - Drop Size
  - Haze
  - Haze Detection
  - Mist
  - Precipitation (Meteorology)
  - Smog
  - Smoke
  - Steam
  - Stratus Clouds
  - Visibility

**FOG DISPERSAL**

- GS: Weather Modification
  - Fog Dispersion
- RT: Aerosols
  - Climatology
  - Cloud Physics
  - Clouds (Meteorology)
  - Dispersing
  - Dispersions
  - Mist
  - Precipitation (Meteorology)

**FOIL BEARINGS**

- GS: Bearings
  - Foil Bearings
- RT: Foils (Materials)
  - Metal Foils
  - Airfoils
  - Foils (Materials)
  - Hydrofoils
  - Multilayer Insulation

**FOILS (MATERIALS)**

- GS: Foils (Materials)
  - Metal Foils
- RT: Airfoils
  - Foils (Materials)
  - Hydrofoils
  - Multilayer Insulation
  - Thin Plates

**FOKKER AIRCRAFT**

- 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

**FOLIC ACID**

- Use: F-27 Aircraft

**FOLK AND FRIENDSHIP EQUATION**

- 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**

- UF: Crimping
- RT: Binding
  - Curl (Materials)
  - Distortion
  - Flexing

**FOLDING FINS AIRCRAFT ROCKET VEHICLE**

- UF: Ffar Rocket Vehicle
- GS: Rocket Vehicles
  - Folding Fin Aircraft Rocket Vehicle

**FOLDING STRUCTURES**

- UF: Rogallo Wings
- GS: Folding Structures
  - Sailings
  - Antennas

**FOLDS (GEOLOGY)**

- UF: Nappes
- RT: Earth Crust
  - Fissures (Geology)
  - Geological Faults
  - Great Basin (US)
  - Layers
  - Outcrops
  - Rocks
  - Seamounts
  - Stratification

**FOLIAGE**

- GS: Plants (Botany)
  - Foliage
- RT: Brown Wave Effect
  - Canopies (Vegetation)
  - Copies
  - Deciduous Trees
  - Defoliants
  - Green Wave Effect
  - Herbicides
  - Leaves
  - Locusts
  - Timber Vigor

**FOLIC ACID**

- UF: Vitamin M
- GS: Acids
  - Amido Acids
  - Folic Acid
  - Heterocyclic Compounds
  - Folic Acid
  - Nitrogen Compounds
  - Folic Acid
  - Organic Compounds
  - Amino Acids
  - Folic Acid
  - Vitamins
NASA THESAURUS (VOLUME 1)

FORECASTS
USE FORECASTING

FOREHEAD
GS FACE (ANATOMY)
. . FOREHEAD
RT HEAD (ANATOMY)
SKULL

FOREIGN BODIES
RT AIRCRAFT HAZARDS
. . BODIES INJURIES METEORITES

FOREIGN POLICY
GS FOREIGN POLICY
. . INTERNATIONAL RELATIONS
. . INTERNATIONAL COOPERATION OUTER SPACE TREATY
RT BODIES EUROPEAN SPACE PROGRAMS INTERNATIONAL HYDROLOGICAL DECADE

FOREIGN TRADE
RT ECONOMICS

FORENSIC SCIENCES
USE LAW (JURISPRUDENCE)

FOREST FIRE DETECTION
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
GS FIRES
. . FOREST FIRES RT AIR POLLUTION
. . ASHES COMBUSTION FIRE PREVENTION FIREBREAKS FLAMES FOREST SMOKE WASTES

FOREST MANAGEMENT
GS MANAGEMENT
. . RESOURCES MANAGEMENT . . FOREST MANAGEMENT RT CONSERVATION EARTH RESOURCES FORESTS LAND USE REGIONAL PLANNING TIMBER INVENTORY

FORESTS
GS RESOURCES
. . EARTH RESOURCES . . . . . . FORESTS . . . . . . RAIN FORESTS RT AMAZON REGION (SOUTH AMERICA) CANOPIES (VEGETATION)
. . . . . . CLEARINGS (OPENINGS)
. . . . . . CONIFERS
. . . . . . CONSERVATION DECIDUOUS TREES DEPOLIANTS DEPOLITION DEFORESTATION FIREBREAKS FOREST FIRES FOREST MANAGEMENT HERBIOIDES LOGGING INDUSTRY PLANTS (BOTANY)
. . REGIONAL PLANNING

FOREST FIRES
GS MANAGEMENT
. . RESOURCES MANAGEMENT . . FOREST MANAGEMENT RT CONSERVATION
. . EARTH RESOURCES FORESTS LAND USE REGIONAL PLANNING TIMBER INVENTORY

FOREST MANAGEMENT
GS MANAGEMENT
. . RESOURCES MANAGEMENT . . FOREST MANAGEMENT RT CONSERVATION
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FOREST FIRES
GS MANAGEMENT
. . RESOURCES MANAGEMENT . . FOREST MANAGEMENT RT CONSERVATION
. . EARTH RESOURCES FORESTS LAND USE REGIONAL PLANNING TIMBER INVENTORY

FORMS (PAPER)
RT BLANKS
. . DATA ACQUISITION

FORMULAS (MATHEMATICS)
RT BLANKS
. . DATA ACQUISITION

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RT = EMOTIONAL FACTORS
RT = HANDICAPS
RT = INHIBITION
RT = PSYCHOLOGICAL EFFECTS
RT = PSYCHOLOGY

FUEL CONTROL
RT = CONTROL
RT = COMBUSTION CONTROL
RT = ENGINE CONTROL
RT = LIQUID SLOSHING
RT = PROPELLANT TRANSFER
RT = REFUELING
RT = ROCKET ENGINE CONTROL
RT = TURBOJET ENGINE CONTROL

FUEL CORROSION
GS = CORROSION
GS = FUEL CORROSION
RT = PROPELLANT DECOMPOSITION
RT = PROPELLANT STORABILITY

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GS = FUEL FLOW REGULATORS

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GS = CAPACITIVE FUEL GAGES
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RT = FLOWMETERS

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RT = INJECTION CARBURATORS
RT = INJECTION
RT = BURNERS
RT = CARBURETORS
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GS = PRESSURIZING
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RT = LIQUID ROCKET PROPELLANTS
RT = PRESSURE REGULATORS
RT = PRESSURE VESSELS
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RT = PROPELLANTS
RT = PROPULSION
RT = RELIEF VALVES
RT = UPLAGE
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FUEL OILS
GS = FUELS
GS = CLEAN FUELS
GS = OILS
GS = FUEL OILS
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RT = PROPELLANT SPRAYS
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RT = SYSTEMS

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FUEL VALVES
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  GAS ANALYSIS
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  GAS BAGS
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GROUP 7A COMPOUNDS
USE HALOGEN COMPOUNDS

GROUP 7B COMPOUNDS
Sn USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW
Rt MANGANESE COMPOUNDS RHENIUM COMPOUNDS TECHNETIUM COMPOUNDS

GROUP 8 COMPOUNDS
Sn USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW
Rt COBALT COMPOUNDS IRON COMPOUNDS NICKEL COMPOUNDS OSMIUM COMPOUNDS PLATINUM COMPOUNDS RHODIUM COMPOUNDS RHENIUM COMPOUNDS

GROUPS
Sn USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW
Rt CATEGORIES CLASSES SUBDIVISIONS

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Rt AMORPHOUS MATERIALS CEMENTS CLAYS CONCRETES CONSTRUCTION MATERIALS MORTAR (MATERIAL) MUD PLASTERS TILES

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HUMERUS
RT ARM (ANATOMY)
ELBOW (ANATOMY)

HUMIDITY
RT AIR CONDITIONING
ATMOSPHERIC DENSITY
ATMOSPHERIC MOISTURE
BODY TEMPERATURE
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COMFORT
CORROSION
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LAPSE RATE
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MOISTURE METERS
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MEASUREMENT
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USE F-2 AIRCRAFT

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USE H-126 AIRCRAFT

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... CYCLONES
... ANNOCANANES
... STORMS (METEOROLOGY)
... TROPICAL STORMS
... HURRICANES
... ANNOCANANES
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GS CELESTIAL BODIES
... METEORITES
... STONY METEORITES
... CHONDRITES
... HVITTS CHONDRITE

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GS AIRCRAFT
... HYBRID AIRCRAFT
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USE HYBRID PROPELLANT ROCKET ENGINES

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... HYBRID COMPUTERS
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RT NAVIGATION AIDS
... SYSTEMS

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GS ENGINES
... ROCKET ENGINES
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INTERNAL COMBUSTION ENGINES
JET ENGINES
LIQUID PROPELLANT ROCKET ENGINES
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GASEOUS ROCKET PROPELLANTS
GELLED ROCKET PROPELLANTS
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HIGH ENERGY PROPELLANTS
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METAL PROPELLANTS
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SOLID ROCKET PROPELLANTS

HYBRID PROPULSION
UP DUAL MODE PROPULSION
GS PROPULSION
... CHEMICAL PROPULSION
... HYBRID PROPULSION
RT JET ENGINES
LASER PROPULSION
ROCKET ENGINES

HYBRID ROCKET ENGINES
SN use of a more specific term is recommended--consult the terms listed below
RT DUCTED ROCKET ENGINES

HYBRID STRUCTURES
RT COMPOSITE STRUCTURES
ELASTIC PROPERTIES
FLEXIBLE BODIES
RIGID STRUCTURES

HUMASON COMET (CONT.)
COMETS
... HUMASON COMET

HYDRAGS (BIOLOGY)
USE GENETIC ENGINEERING

HYDRATES
RT AQUEOUS SOLUTIONS
WATER

HYDRATION
RT CHEMICAL REACTIONS
DEHYDRATION
HYDROLYSIS

HYDRAULIC ACTUATORS
USE ACTUATORS
HYDRAULIC EQUIPMENT

HYDRAULIC ANALOGS
GS ANALOGS
... HYDRAULIC ANALOGS
RT COMPUTERIZED SIMULATION
FLOW VISUALIZATION
FLUIDICS
GAS FLOW
HYDRAULICS
PNEUMATIC CONTROL
REMOTE CONTROL
SOLNOID VALVES

HYDRAULIC CONTROL
UF ELECTROHYDRAULIC CONTROL
RT AUTOMATIC CONTROL
... CONTROL
ELECTRONIC CONTROL
ENGINE CONTROL
FLUID POWER
FLUIDICS
HYDRAULICS
PNEUMATIC CONTROL
REMOTE CONTROL
SOLNOID VALVES

HYDRAULIC EQUIPMENT
UF HYDRAULIC ACTUATORS
HYDRAULIC HEATING SOURCES
HYDRAULIC PUMPS
HYDRAULIC SYSTEMS
HYDRAULIC VALVES

HYDRAULIC NAVIGATION SYSTEMS
RT NAVIGATION AIDS
... SYSTEMS

HYDRAULIC PROPELLANTS
RT CHEMICAL REACTIONS
AQUEOUS SOLUTIONS

HYDRAULIC STRUCTURES
RT COMPOSITE STRUCTURES
ELASTIC PROPERTIES
FLEXIBLE BODIES
RIGID STRUCTURES

HYDRAULICS (CONT.)
STRUCTURAL STABILITY
... STRUCTURES

HYDRAULICS
... HYDRAULICS

HYDRAULICS (BIOLOGY)
USE GENETIC ENGINEERING

HYDRAULICS
... HYDRAULICS

HYDRAULIC FLUIDS
GS LIQUIDS
... HYDRAULIC FLUIDS
SKYDROL (TRADEMARK)
RT FLUID PRESSURE
FLUID TRANSMISSION LINES
... FLUIDS
HIGH TEMPERATURE FLUIDS
... HYDRAULICS
OILS
PATCH TESTS
TRANSMISSION FLUIDS
WORKING FLUIDS

HYDRAULICS
... HYDRAULICS

HYDRAULICS (BIOLOGY)
USE GENETIC ENGINEERING

HYDRAULICS
... HYDRAULICS

HYDRAULICS
... HYDRAULICS

HUMASON COMET (CONT.)
COMETS
... HUMASON COMET

HYDRAULICS
... HYDRAULICS

HYDRAULICS
... HYDRAULICS

HUMASON COMET (CONT.)
COMETS
... HUMASON COMET

HYDRAULICS
... HYDRAULICS

HYDRAULICS
... HYDRAULICS

HUMASON COMET (CONT.)
COMETS
... HUMASON COMET

HYDRAULICS
... HYDRAULICS

HYDRAULICS
... HYDRAULICS

HUMASON COMET (CONT.)
COMETS
... HUMASON COMET

HYDRAULICS
... HYDRAULICS
HYDROGEN AZIDES
GS EXTRAPOLATION
.R. HYDROGEN AZIDES

HYDROGEN CYANIDES
USE HYDROGEN CYANIDE
HYDROGEN OXYGEN FUEL CELLS

UF HYDROGEN OXYGEN FUEL CELLS
GS ELECTRIC GENERATORS
RT DEHYDROGENATION

RT HYDROGEN OXYGEN FUEL CELLS

HYDROGEN BASED ENERGY (CONT.)
HYDROGEN FLAMMABLES
HYDROGEN OXYGEN FUEL CELLS

HYDROGEN PRODUCTION
LIQUID HYDROGEN
NICKEL HYDROGEN BATTERIES

HYDROGEN RECOMBINATIONS

HYDROGEN SULFIDE
GS CHALCOGENIDES
SULFIDES
SULFUR ACIDS
HYDROGEN SULFIDE
HYDROGEN COMPOUNDS
SULFUR COMPOUNDS

HYDROGEN 2
USE DEUTERIUM

HYDROGEN 3
USE TRITIUM

HYDROGEN 4
GS CHEMICAL ELEMENTS
HYDROGEN
HYDROGEN ISOTOPES
HYDROGEN 4
NUCLIDES
ISOTOPES
HYDROGEN ISOTOPES
HYDROGEN 4
GASES

HYDROGEN BASED ENERGY
RT ENERGY
ENERGY TECHNOLOGY
FUEL CELLS
GASE MIXTURES
INERTIAL FUSION (REACTOR)-(CONT.)
Laser fusion
Nuclear fusion
Lasers
Plasma compression
Pulsed lasers
Relativistic electron beams

INERTIAL GUIDANCE
GS GUIDANCE (MOTION)
- AIRBROKEN GUIDANCE
- STRAPDOWN INERTIAL GUIDANCE
RT INJECTION GUIDANCE
MOODURSE GUIDANCE
REENTERY GUIDANCE
SATELITE GUIDANCE
SPACECRAFT GUIDANCE
STABILIZED PLATFORMS
TERMNAL GUIDANCE

INERTIAL MEASURING UNITS
USE INERTIAL PLATFORMS

INERTIAL NAVIGATION
GS NAVIGATION
- INERTIAL NAVIGATION
- ASTROGUIDE NAVIGATION SYSTEM
- GIMBALLESS INERTIAL NAVIGATION
RT AIR NAVIGATION
- ALL-WEATHER AIR NAVIGATION
- CELESTIAL NAVIGATION
- DEAD RECKONING
- DIGITAL NAVIGATION
- HYPERDIAL NAVIGATION
- NAVIGATION AIDS
- POLAR NAVIGATION
- RADIO NAVIGATION
- SCHLIER TUNING
- SPACE NAVIGATION
- STAR TRACKERS
- STRAPDOWN INERTIAL GUIDANCE
- SURFACE NAVIGATION

INERTIAL PLATFORMS
UF INERTIAL MEASURING UNITS
RT GIMBALLESS INERTIAL NAVIGATION
- PLATFORMS
- THREE AXIS STABILIZATION

INERTIAL REFERENCE SYSTEMS
RT CELESTIAL REFERENCE SYSTEMS
- REFERENCE SYSTEMS
- RELATIVITY
- SYSTEMS

INERTIAL UPPER STAGE
UF INTERIM UPPER STAGE (STS)
GS INTERIM STAGES (SPACECRAFT)
ZI  INERTIAL UPPER STAGE
RT INTERNATIONAL SOLAR POLAR MISSION
- ORBIT TRANSFER VEHICLES
- RECOVERABLE SPACECRAFT
- REUSABLE SPACECRAFT
- SPACE SHUTTLE ORBITERS
- SPACE SUITLES
- SPACE TRANSPORTATION
- SPACE TRANSPORTATION SYSTEM
- SPACE TUGS
- UPPER STAGE ROCKET ENGINES

INERTIALLESS STEERABLE ANTENNAS
GS ANTENNAS
- DIRECTIONAL ANTENNAS
- STEERABLE ANTENNAS
- INERTIALLESS STEERABLE ANTENNAS
ARAYS
- ANTENNA ARRAYS
- STEERABLE ANTENNAS
- INERTIALLESS STEERABLE ANTENNAS
RT COMMUNICATION EQUIPMENT
- INERTIAL COORDINATES

INFARCTION (CONT.)
TISSUES (BIOLOGY)
INFECTIONS
USE INFECTIOUS DISEASES

INFECTIOUS DISEASES
UF INFECTIOUS DISEASES
GS DISEASES
- AIRBROKEN INFECTION
- CHOLERA
- CONJUNCTIVITIS
- DERMATITIS
- CONTACT DERMATITIS
- DIPHTHERIA
- HANSEN'S DISEASE
- HEPATITIS
- INFUSION
- MENINGITIS
- PNEUMONIA
- SMALLPOX
- SYRINGE
- VASOCONSTRICTION
- PYODID
- ANTHEREXICS
- ASPERGILLUS
- BUSTERS
- EPIDEMIOLOGY
- IMMUNITY
- LEUKOCYTOSIS
- TYPHOID
- LEUKEMIA
- PARASITIC DISEASES

INFERENCE
UF ASSUMPTIONS
- DEDUCTION
- HYPOTHESIS
- IMPLICATION
- INDUCTION

INFESTATION
UF INSECT DAMAGE
RT BITES
- BORE WORMS
- BOLL WEEVILS
- BOLLWORMS
- CHROMOSOMES
- FLIES
- FLATWORMS
- INSECT
- LARVAE
- LICE
- LOGS
- MOTHS
- PARASITES
- PLANTS
- SILKWORMS
- SKELETONS
- WORMS

INFLATION
RT AIR CONDITIONING
- GUERRILLAS
- PERMEABILITY
- POROSITY
- VOIDS
- WARFARE

INFINITE SPAN WINGS
GS AIRFOILS
- THIN AIRFOILS
- INFINITE SPAN WINGS
- WINGS
- SLENDER WINGS
- INFINITE SPAN WINGS
- THICK AIRFOILS
- INFINITE SPAN WINGS
- UNSEWED WINGS
- INFINITE SPAN WINGS
- PLANKFORMS
- WING PLANKFORMS
- INFINITE SPAN WINGS
- FLEXIBLE WINGS

INFINITY
RT FUNCTIONS (MATHEMATICS)
- GEOMETRY
- NUMBER THEORY
- PROBABILITY THEORY
- REAL VARIABLES
- SERIES (MATHEMATICS)

INFLATION POINTS
GS GEOMETRY
- EUCLIDEAN GEOMETRY
- POINTS (MATHEMATICS)
- INJECTION POINTS

INFLATABLE GLIDERS
GS EXPANDABLE STRUCTURES
- INFATABLE GLIDERS
- GLIDERS
- PARAGLIDERS
- HYPERSONIC GLIDERS
RT AIRCRAFT

INFLATABLE HYPERSONIC VEHICLES
GS EXPANDABLE STRUCTURES
- INFATABLE HYPERSONIC VEHICLES
- HYPERSONIC VEHICLES
- INFATABLE HYPERSONIC VEHICLES
RT HYPERSONIC GLIDERS
LIFTING REENTRY VEHICLES

INFLATABLE SPACECRAFT
GS EXPANDABLE STRUCTURES
- INFATABLE SPACECRAFT
- INFATABLE SPACECRAFT
- BEACON SATELLITES
- BEACON EXPLORER A
- BEACON EXPLORER B
- SPACE ERECTABLE STRUCTURES
- INFATABLE SPACECRAFT
- BEACON SATELLITES
- BEACON EXPLORER A
- BEACON EXPLORER B
- SPACECRAFT
- UNMANNED SPACECRAFT

INFLATABLE STRUCTURES
UF DEFLATING
GS EXPANDABLE STRUCTURES
- INFATABLE STRUCTURES
- INFATABLE SPACECRAFT
- BALLOONS
- AIRSHIPS
- HIGH ALTITUDE BALLOONS
- JIMSHIRE BALLOONS
- SKYHOOK BALLOONS
- SUPERPRESSURE BALLOONS
- METEOROLOGICAL BALLOONS
- JIMSHIRE BALLONS
- ROBIN BALLOONS
- MICROBALLOONS
- TETHERED BALLOONS
- BALLOONS
- INFATABLE GLIDERS
- INFATABLE HYPERSONIC VEHICLES
- INFATABLE SPACECRAFT
- BEACON SATELLITES
- BEACON EXPLORER A
- BEACON EXPLORER B
- SPACECRAFT
- PARAVULCOONS
RT AIRCRAFTS
- BUILDINGS
- FLEET AIRCRAFT
- FLEXIBLE BODIES
- FLEXIBLE WINGS
- FLOATS
- FOLDING STRUCTURES
- INFATING
- LIFE RAFTS
- LUNAR SHELTERS
- PNEUMATIC EQUIPMENT
- PRESSURE SUITS
- RADOMES
- SELF ERECTING DEVICES
- SPACE ERECTABLE STRUCTURES
- SPACE STATIONS
- STRUCTURES
- TIRES
- VARIABLE GEOMETRY STRUCTURES

INFLECTION POINTS
GS GEOMETRY
- EUCLIDEAN GEOMETRY
- POINTS (MATHEMATICS)
- INJECTION POINTS
### NASA Thesaurus (Volume 1)

#### Instrument Receivers (Cont.)
- Isotropic turbulence
- Measuring instruments
- Receivers
- Recording instruments
- Transducers

#### Instrument Transformers
- GS Transformers
- Instrument Transformers
- RT Converters
- Resolvers

#### Instrument Transmitters
- GS Transmitters
- Instrument Transmitters
- Controllers
- Instruments
- Measuring instruments
- Recording instruments
- Transducers

#### Instrumental Analysis
- Use
- Scanning
- Automation

#### Instrumentation
- Use
- Instruments

#### Intensifiers
- SN (Use of a more specific term is recommended—consult the terms listed below)
- LF 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
- Microphone sensors
- Monitors
- Navigation instruments
- Oscilometers
- Packages
- Propellant actuated instruments
- Recording instruments
- Remote control
- Rocket-borne instruments
- Satellite instruments
- Satellite-borne instruments
- Scatteringometers
- SIM
- SODAR
- Sound detecting and ranging
- Spacecraft instruments
- Surgical instruments
- Transducers
- Transmitters
- Turbine instruments
- Ultrasonic densimeters

#### Insulated Structures (Cont.)
- Reentry vehicles
- Spacecraft shielding

#### Insulating Materials
- Use
- Insulation

#### Insulation
- SN (Material)
- LF
- GS Insulation
- Electrical insulation
- Multi-layer insulation
- Thermal insulation
- RT Absorbers (Materials)
- Asbestos
- Ceilings (Architecture)
- Composite materials
- Concretes
- Construction materials
- Damping
- Honeycomb structures
- Insulated structures
- Insulators
- Interlayers
- Isolations
- Jackets
- Lining processes
- Linings
- Mica
cap oxides
- Potting compounds
- Protection
- Suppressors
- Vermiculite
- Waterproofing

#### Insulators
- SN (Excludes thermal insulation—limited to devices composed of electrically insulating materials)
- LF
- RT Attenuators
- Dielectrics
- Electric conductors
- Electrical insulation
- Insulation
- Transmission lines

#### Insulin
- GS Drugs
- Insulin
- Secretions
- Endocrine secretions
- GS Insulin
- Diabetes mellitus

#### Intake Systems
- UF
- GS Intake systems
- Inlets (Devices)
- Intake systems
- Air intakes
- Engine intakes
- Hypersonic inlets
- Inlet airframe configurations
- Supersonic inlets
- Conical inlets
- Helical inductors
- Internal compression inlets
- Nose inlets
- Side inlets
- RT Aeronautical 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
- Penuma chambers
- Ramps (Structures)
- Scoops
- Systems
- Water intakes

#### Integrated Circuits
- INTASAT Satellite
- GS Satellites
- Artificial satellites
- Environmental research satellites
- Earth satellites
- Environmental research satellites
- INTASAT satellite
- Scientific satellites
- Environmental research satellites
- INTASAT satellite
- Lower atmosphere
- Magnetic fields
- Troposphere

#### Integ Med and Behavioral Lab Measure System
- Use
- IMB/LMS

#### Integ Program for Aerospace veh design
- Use
- IPAD

#### Integers
- GS
- Number theory
- Integers
- Real numbers
- Integers
- RT
- Arithmetic
- Complex numbers
- Congruences
- Digits
- Numbers

#### Integral Calculus
- GS Analysis (Mathematics)
- Calculus
- Integral Calculus
- Real variables
- Measure and integration
- Integral calculus
- RT
- Area
- Differential calculus
- J Integral
- Numerical integration
- Operational calculus

#### Integral Equations
- UF
- Integro-differential equations
- GS Analysis (Mathematics)
- Functional analysis
- Integral equations
- Fredholm equations
- J Integral
- Singular integral equations
- Volterra equations
- Wiener Hopf equations
- RT
- Calculus of variations
- Differential equations
- Distributed parameter systems
- Equations
- Mellin transforms
- Method of moments
- Nonlinear equations
- Percus method
- Range (extrema)
- Schmidt method
- Transport theory

#### Integral Functions
- Use
- Entire functions

#### Integral Transforms
- UF
- Transform Integrals
- GS Analysis (Mathematics)
- Functional analysis
- Integral transforms
- Convolution integrals
- Fourier transformation
- Hilbert transformation
- Laplace transformation
- Transformations (Mathematics)
- Integral transformations
- Fast fourier transformations
- Laplace transformation
- Lightbuhl method
- Operators (Mathematics)

#### Integrated Circuits
- UF
- Monolithic circuits
- GS Circuits
- Integrated circuits

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NASA THESAURUS (VOLUME 1)

INTERACTIONS
- meson-nucleon interactions
- molecular collisions
- molecular interactions
- nuclear capture
- nuclear interactions
- nuclear reactions
- particle interactions
- particle theory
- photon-electron interaction
- plasma interactions
- plasma-electromagnetic interaction
- plasma-particle interactions
- proton-proton reactions
- shock wave interaction
- solar terrestrial interactions
- sound-sound interactions
- wave interaction
- weak energy interactions

INTERACTIVE CONTROL
- active control
- control theory
- numerical control

INTERACTIVE GRAPHICS
- use computer graphics
- van der waal forces

INTERATOMIC FORCES
- atomic structure
- van der waal forces

INTERCALATION
- chemical compounds
- graphite
- interlayers

INTERCEPTION
- rendezvous
- spacecraft docking

INTERCEPTOR AIRCRAFT
- use fighter aircraft

INTERCEPTORS
- sn

INTERCONTINENTAL BALLISTIC MISSILES
- intermediate range ballistic missiles
- intercontinental ballistic missiles

INTERCONTINENTAL BALLISTIC (CONT.)
- 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 10 reentry body
- mark 11 reentry body
- mark 12 reentry body
- mark 17 reentry body

INTERCONTINENTAL BALLISTIC (CONT.)
- transonic systems

INTERCOSMOS SATELLITES
- artificial satellites
- cosmo satellites
- geophysical satellites
- intercosmos satellites
- cosmic satellites
- geophysical satellites
- intercosmos satellites
- soviet spacecraft
- cosmic satellites
- intercosmos satellites

INTERCRANIAL CIRCULATION
- blood circulation
- intercranial circulation
- skull

INTERFACE STABILITY
- fluid boundaries
- gas-solid interfaces
- interfaces
- liquid sloshing
- liquid-liquid interfaces
- liquid-solid interfaces
- liquid-vapor interfaces
- taylor-instability
- ullage

INTERFACES
- interfaces
- fluid boundaries
- jet boundaries
- liquid-liquid interfaces
- liquid-solid interfaces
- liquid-vapor interfaces
- solid-solid interfaces
- boundaries
- coordination
- data processing equipment
- free boundaries
- interface stability
- management planning
- project management
- surface properties
- surface reactions
- surfaces
- telecommunication

INTERFACIAL ENERGY
- adhesion
- electron energy
- energy
- liquid-liquid interfaces
- shear strength
- surface energy

INTERFACIAL STRAIN
- use interfacial tension

INTERFACIAL TENSION
- interfacial strain
- surface tension

INTERFACIAL TENSION
- use interfacial tension

INTERFEROMETERS
- spreading
- surface energy
- surface stability
- tension
- tribology
- vapor pressure
- wetting

INTERFERENCE
- use of a more specific term is recommended-consult the terms listed below

INTERFERENCE DRAG
- aerodynamic characteristics
- aerodynamic interference
- interference factor table
- propulsion slipstreams
- supersonic drag
- upwash

INTERFERENCE FACTOR TABLE
- tables (data)
- interference factor table

INTERFERENCE GRATING
- fringe multiplication
- gratings
- interference
- more effects
- moire fringes
- radio filters
- radio frequency interference

INTERFERENCE LIFT
- aerodynamic characteristics
- aerodynamic forces
- lift
- interference lift
- dynamic characteristics
- lift
- interference lift

INTERFERENCE MONOCHROMATIZATION
- use diffraction
- monochromatization

INTERFEROMETERS
- measuring instruments
- interferometers
- fabry-perot interferometers
- infrared interferometers
- mach-zehnder interferometers
- michelson interferometers
- microwave interferometers
- phase switching
- interferometers
- radio interferometers
- diffractometers
- flatness
- goniometers
NASA THESAURUS (VOLUME 1)

INTERPLANETARY SPACECRAFT (CON'T.)
- VENERA 3 SATELLITE
- VENERA 6 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 SPACECRAFT
RENDEZVOUS SPACECRAFT
REUSABLE SPACECRAFT
SATUllITES
SPACE CAPSULES
SPACE EXPLORATION
SPACE PROBES

"SPACECRAFT"
UNMANNED SPACECRAFT
VOYAGER 1977 MISSION

INTERPLANETARY TRAJECTORIES
GS TRAJECTORIES
- SPACECRAFT TRAJECTORIES
- INTERPLANETARY TRAJECTORIES
- EARTH-MARS TRAJECTORIES
- EARTH-MERCURY 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
GS ORBITS
- ELLIPTICAL ORBITS
- TRANSFER ORBITS
- INTERPLANETARY TRANSFER ORBITS
- SPACECRAFT ORBITS
- TRANSFER ORBITS
- INTERPLANETARY TRANSFER ORBITS
- ORBITAL MECHANICS
- SWINGBY TECHNIQUE

INTERPOLATION
GS ANALYSIS (MATHEMATICS)
- NUMERICAL ANALYSIS
- INTERPOLATION
RT COMPUTATION
- COMPUTATION
- EXTRAPOLATION
- FINITE DIFFERENCE THEORY
- STATISTICAL ANALYSIS

INTERPOLATORS
USE REPEaters

"INTERPRETATION"
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
RT COMPUTER NETWORKS
- COMPUTER SYSTEMS DESIGN
- MULTIPROCESSING (COMPUTERS)
- PARALLEL PROCESSING (COMPUTERS)

INTERRELATIONSHIPS
USE RELATIONSHIPS

INTERROGATION
RT DATA PROCESSING
- IF5 SYSTEMS (IDENTIFICATION)
- SECONDARY RADAR
- TRANSMITTER RECEIVERS
- TRANSPONDERS

INTERUPTION
RT ELECTRIC RELAYS
- PACKET SWITCHING
- SEQUENCING
- SWITCHES
- SWITCHING

INTERSECTIONS
SN (EXCLUDES BOOLEAN LOGICAL PRODUCTS)
RT CROSSINGS
- CROSSROADS
- HIGHWAYS
- JUNCTIONS
- RAMPS (STRUCTURES)
- ROADS
- STREETS
- TRANSPORTATION NETWORKS

INTERSERVICE DATA EXCHANGE PROGRAM
UF IDEP (DATA EXCHANGE)
RT DATA RETRIEVAL
- DATA STORAGE
- INFORMATION RETRIEVAL
- LIBRARIES
- MILITARY TECHNOLOGY RESEARCH

INTERSTELLAR CHEMISTRY
GS PARTICLE INTERACTIONS
- MOLECULAR INTERACTIONS
- INTERSTELLAR CHEMISTRY
RT ASSOCIATION REACTIONS
- CHEMICAL REACTIONS
- CHEMISTRY
- MOLECULAR CLOUDS
- REACTION KINETICS

INTERSTELLAR COMMUNICATION
GS COMMUNICATIONS
- INTERSTELLAR COMMUNICATION
RT INTERPLANETARY COMMUNICATION
- RADIO COMMUNICATION
- SPACE COMMUNICATION

INTERSTELLAR EXTINCTION
UF INTERSTELLAR REDDENING
GS EXTINCTION
RT INTERSTELLAR EXTINCTION
- ASTROPHYSICS
- EVOLUTION (DEVELOPMENT)
- INTERSTELLAR GAS
- RADIATION ABSORPTION
- STELLAR EVOLUTION
- STELLAR RADIATION

INTERSTELLAR GAS
GS EXTRATERRESTRIAL MATTER
- COSMIC GASES
- INTERSTELLAR GAS
- NEUTRAL GASES
- RAREFIED GASES
- COSMIC GASES
- INTERSTELLAR GAS

INTERSTELLAR GAS (CON'T.)
RT HELIOPHERE
- INTERSTELLARY GAS
- INTERSTELLAR EXTINCTION
- INTERSTELLAR SPACECRAFT
- ORION NEBULA
- STELLAR MASS ACCRETION
- STELLAR WINDS

INTERSTELLAR MAGNETIC FIELDS
UF GALACTIC MAGNETIC FIELDS
GS MAGNETIC FIELDS
RT INTERSTELLAR MAGNETIC FIELDS
- STELLAR MAGNETIC FIELDS

INTERSTELLAR MASERS
GS STIMULATED EMISSION DEVICES
- MASERS
RT INTERSTELLAR MASERS
- COHERENT ELECTROMAGNETIC RADIATION
- GAS MASERS
- LASERS
- MICROWAVE AMPLIFIERS
- MOLECULAR CLOUDS
- NEBULAE
- ORION NEBULA
- STELLAR MASS ACCRETION

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RT CELESTIAL BODIES
- COSMIC DUST
- MASS DISTRIBUTION
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- NEBULAE
- ORION NEBULA
- STELLAR MASS ACCRETION

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USE INTERSTELLAR RADIATION
- MICROWAVE SPECTRA

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UF INTERSTELLAR MICROWAVE SPECTRA
GS EXTRATERRESTRIAL RADIATION
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- CORPUSCULAR RADIATION
- COSMIC NOISE
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- ELECTROMAGNETIC RADIATION
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USE INTERSTELLAR EXTINCTION

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INTERPLANETARY SPACECRAFT
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- SATELLITES
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**NASA Thesaurus (Volume 1)**

- **Ion**
  - Extraction
  - Ion production rates
  - Ion extraction
  - Ion exchange membranes
  - Ion exchange electrolytes
  - Ion engines
  - Ion exchange membrane electrolytes
  - Ion exchange resins
  - Ion exchanging

- **Propulsion**
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  - Ion engines
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  - Ion exchanging

- **Storage**
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- **Stripping**
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  - Ion exchange membrane electrolytes
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- **Straw**
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- **Strengthening**
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...SOLAR STORMS
...IONOSPHERIC DISTURBANCES
RT DISTURBANCES
...IONOSPHERIC DISTURBANCES
...IONOSPHERIC STORMS
...SOLAR STORMS
SPACE TRAVEL

IONOSPHERIC TEMPERATURE
GS TEMPERATURE
...ATMOSPHERIC TEMPERATURE
...IONOSPHERIC TEMPERATURE
RT AURORAL TEMPERATURE
...ELECTRON ENERGY
...ION TEMPERATURE

IONOSPHERIC TILTS
RT TRAVELING IONOSPHERIC DISTURBANCES
IONOSPHERICS
GS ELECTROMAGNETIC INTERFERENCE
...IONOSPHERIC NOISE
...ATMOSPHERICS
...IONOSPHERICS
...DAWN CHORUS
...HERS
RT IONOSPHERIC STORMS
...RADIO AURORAS

IONS
GS IONS
...ANIONS
...ANTIPROTONS
...IONS
...METAL IONS
...FERRIC IONS
...MANGANESE IONS
...VANADYL RADICAL
...CESIUM ION
...DEUTERONS
...HEAVY IONS
...HELIUM IONS
...HYDROGEN IONS
...HYDROXION IONS
...LIGHT IONS
...MOLECULAR IONS
...NEGATIVE IONS
...NITROGEN IONS
...OXYGEN IONS
...POSITIVE IONS
...PROTIONS
...SOLAR PROTIONS
...RECOIL IONS
...TRITONS
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RT ALPHA PARTICLES
...ATONS
...CHEMICAL ELEMENTS
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...ION IMPLANTATION
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...MONATOMIC MOLECULES
...NUCLEI (NUCLEAR PHYSICS)
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...POLYATOMIC MOLECULES
...VALENCE

IOWA
GS UNITED STATES OF AMERICA
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RT CEDAR RAPIDS (IA)
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UF INTEG-PROGRAM FOR AEROSPACE VEH
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IRAP
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...STAINLESS STEELS
...FERRITIC STAINLESS STEELS
...STAINLESS STEELS
...MARTENSITIC STAINLESS STEELS

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...BAINITE
...BEARING ALLOYS
...CERAMITE
...FERRITES
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...INCONEL (TRADEMARK)
...KAMASITE
...MARTENSITE
...NICKEL ALLOYS
...PEARLITE
...PERMALLOY (TRADEMARK)
...ZRCALOY (TRADEMARK)

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...CHLORINE COMPOUNDS
...CHLORIDES
...IRON CHLORIDES
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...CHLORIDES
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...IRON CHLORIDES
...IRON CHLORIDES

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RADIANT FLUX DENSITY
IRRADIANCE
ILLUMINANCE
SOLAR CONSTANT
RT ELECTRON FLUX DENSITY
LUMINANCE
NEUTRON FLUX DENSITY
PROTON FLUX DENSITY
IRRADIATION
RADIANCE
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DETECTORS
EMISSION
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FLUX DENSITY
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GS THERMODYNAMICS

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CORN
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DRAINAGE
DRAINAGE PATTERNS
FARM CROPS
FARMLANDS
OATS
ORCHARDS
PONDS
SEEPAGE
SUGAR BEETS
SUGAR CANE
TROUGHS
VEGETATION GROWTH
VINEYARDS
WATER CONSUMPTION

IRROTATIONAL FLOW
USE POTENTIAL FLOW

ISAGEX
USE INTERNATIONAL SATELLITE GEODESY EXPERIMENT

ISCHEMIA
GS CIRCULATION
BLOOD CIRCULATION
RT ISCHEMIA
RT CONGESTION
VASOCONESTRUCTION

ISSEE
USE INTERNATIONAL SUN EARTH EXPLORERS

ISSEE A
USE INTERNATIONAL SUN EARTH EXPLORER 1

ISSEE B
USE INTERNATIONAL SUN EARTH EXPLORER 2

ISSEE C
USE INTERNATIONAL SUN EARTH EXPLORER 3

ISSEE 1
USE INTERNATIONAL SUN EARTH EXPLORER 1

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USE INTERNATIONAL SUN EARTH EXPLORER 2

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RT ISOTHERMAL LAYERS

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ISOTHERMAL PROCESSES

ISOTHERMAL PRESSURE

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ISOTONICITY

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ISOTHERMAL PRESSURE

ISOTOPE EFFECT

ISOTOPE SEPARATION

ISOTOPE SHIFT

ISOTOPE EFFECT

ISOTOPE SEPARATION

ISOTOPE EFFECT

ISOTOPE SEPARATION

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ISOTOPE SEPARATION

ISOTOPE SEPARATION

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</table>
# NASA Thesaurus (Volume 1)

## JET AMPLIFIERS
- **UF**: Fluid Jet Amplifiers
- **GS**: Gas Amplifiers
- **RT**: Rocket Amplifiers

**Jet Noise**
- Jet Nozzles
- Noise Walls

## JET ASSISTED TAKEOFF
- Use Jet Engines

## JET AUGMENTED WING FLAPS
- Use Jet Flaps

## JET BLAST EFFECTS
- RT: Blasts
- Effects: Exhaust Gases
  - Ground Effect
  - Noise (Sound)
  - Pressure Effects
  - Temperature Effects

## JET BOUNDARIES
- **GS**: Gas Boundaries
- **RT**: Fluid Boundaries
- **JET**: Jet Boundaries

## JET CONDENSERS
- **GS**: Gas Condensers (Liquifiers)
- **UF**: Fluid Jet Condensers

## JET CONTROL
- **RT**: Automatic Control
- **JET**: Directional Control
- **SATELLITE ATTITUDE CONTROL**: Satellite Control
- **THRUST CONTROL**: Thrust Control
- **VARIABLE THRUST**: Variable Thrust

## JET DAMPING
- Use Damping
  - Spin Reduction

## JET DRAGON AIRCRAFT
- Use DH 125 Aircraft

## JET DRIVE
- Use Jet Propulsion

## JET ENGINES FUELS
- **UF**: Jet Fuels
- **GS**: Gas Fuels
- **SN**: Jet Propulsion Engines

## JET ENGINES
- **SN**: Excludes Hydrojet Engines
- **GS**: Engines
  - Air Breathing Engines
  - Gas Turbine Engines
  - Jet Engines
  - Ramjet Engines
  - Low Volume Ramjet Engines
  - Pulsejet Engines
  - Supersonic Combustion Ramjet Engines

## JET FLIGHT
- Use Jet Aircraft

## JET FLIGHTS
- Use Jet Aircraft
### Lanthanide Series Metals

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<td>Lanthanum</td>
<td>Chemical elements of the lanthanide series</td>
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<td>Lanthanum Oxides</td>
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<td>Lanthanum Isotopes</td>
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### Keywords
- Rare Earth Elements
- Metal Compounds
- Metal Oxides
- Rare Earth Elements
- Metal Isotopes

### Related Terms
- GS Chemical Elements
- GS Halogen Compounds
- GS Chlorides
- GS Alloys
- GS Chemical Elements
- GS Halogen Compounds
- GS Chlorides
- GS Alloys

### Additional Information
- Use Rare Earth Elements
- Use Metal Compounds
- Use Metal Oxides
- Use Rare Earth Elements
- Use Metal Isotopes

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### Largos Satellites

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<td>Largos Satellite</td>
<td>Geodetic satellites</td>
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<tr>
<td>Largos Satellite</td>
<td>Unmanned spacecraft</td>
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<td>Largos Satellite</td>
<td>Geometric satellites</td>
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### Keywords
- Largos Satellite
- Geodetic Satellites
- Unmanned Spacecraft
- Geometric Satellites

### Related Terms
- GS Satellites
- GS Artificial Satellites
- GS Geodetic Satellites
- GS Largos Satellite

### Additional Information
- Use Largos Satellite
- Use Geodetic Satellites
- Use Unmanned Spacecraft
- Use Geometric Satellites

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### Large Scale Telescope

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<td>Large Space Telescope</td>
<td>Large space structure</td>
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### Keywords
- Large Space Telescope
- Large Space Structure

### Related Terms
- GS Telescopes
- GS Spacetime Telescopes
- GS Large Space Telescope
- GS Larges Satellite

### Additional Information
- Use Large Space Telescope
- Use Large Space Structure
- Use Large Space Telescope
- Use Larges Satellite

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### Laser Anemometers

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### Keywords
- Laser Anemometers
- Measuring Instruments

### Related Terms
- GS Measuring Instruments
- GS Indicating Instruments
- GS Speed Indicators

### Additional Information
- Use Laser Anemometers
- Use Measuring Instruments
- Use Indicating Instruments
- Use Speed Indicators
LASER STABILITY

LASER SPECTROSCOPY (CONT.)
- LASER SPECTROMETERS
- SPECTROSCOPIC ANALYSIS
- SPECTRUM ANALYSIS

LASER STABILITY
- CONTINUOUS WAVE LASERS
- FREQUENCY STABILITY
- LASER CAVITIES
- LASER MODES
- LASER OUTPUTS

LASER TARGET DESIGNATORS
- DETECTORS
- MISSILE TRACKING
- SATELLITE TRACKING
- TARGET RECOGNITION
- TARGETS

LASER TARGET INTERACTIONS
- INTERACTIONS
- LASER CUTTING
- LASERS
- PULSED LASERS
- TARGETS

LASER WELDING
- GS WELDING
- FUSION WELDING
- SOLID STATE LASERS
- MILITARY TECHNOLOGY
- STIMULATED EMISSION DEVICES

LASER WELDING
- GS WELDING
- FUSION WELDING
- SOLID STATE LASERS
- MILITARY TECHNOLOGY
- STIMULATED EMISSION DEVICES

LASER WINDOWS
- GS WINDOWS (INTERVALS)
- LASER WINDOWS
- BANDWIDTH
- ENERGY BANDS
- LASERS

LASICING (CONT.)
- SHIVA LASER SYSTEM
- INFRARED LASERS
- INJECTION LASERS
- IODINE LASERS
- LIQUID LASERS
- METAL VAPOR LASERS
- NEODYMIUM LASERS
- NUCLEAR PULSED LASERS
- ORGANIC LASERS
- OXYGEN LASERS
- PULSE LASERS
- Q SWITCHED LASERS
- ULTRASHORT PULSED LASERS
- ULTRAVIOLET LASERS
- RAMAN LASERS
- RARE GAS-HALIDE LASERS
- KRYPTON FLUORIDE LASERS
- XENON FLUORIDE LASERS
- XENON LASERS
- SEMICONDUCTOR LASERS
- SOLID STATE LASERS
- RAMAN ARSENIDE LASERS
- RUBY LASERS
- YAG LASERS
- H Ruba SEMICONDUCTOR LASERS
- TWO-WAVELENGTH LASERS
- WAVEGUIDE LASERS
- X RAY LASERS
- AMPLIFIERS
- BEAM SWITCHING
- COHERENCE
- COHERENT ELECTROMAGNETIC RADIATION
- COHERENT LIGHT
- ELECTRON PUMPING
- GARNETS
- HOLOGRAPHY
- INFRARED WINDOWS
- INTERPLANETARY COMMUNICATION
- INTERSTELLAR MASERS
- KERR ELECTROOPTICAL EFFECT
- LASER ALTIMETERS
- LASER ANNEALING
- LASER APPLICATIONS
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- LASER TARGETS
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- LASER WINDOWS
- LASING
- LIGHT AMPLIFIERS
- LIGHT BEAMS
- LIGHT MODULATION
- LIGHT SOURCES
- LIGHT TRANSMISSION
- LUNAR COMMUNICATION
- MASERS
- MICROBOOBS
- MOLECULAR OSCILLATORS
- NUCLEAR PUMPING
- OPTICAL COMMUNICATION
- OPTICAL DATA PROCESSING
- OPTICAL MEMORY (DATA STORAGE)
- OPTICAL PUMPING
- PHASE MATCHING
- PHOTODIODES
- PHOTONICS
- POWER TRANSMISSION (LASERS)
- PULSE GENERATORS
- PULSED RADIATION
- QUANTUM METERS
- RAPID BALLISTICS IDENTIFICATION
- SERNAMC WANDAR POLARISCOPE
- SOLID STATE DEVICES
- SPACE COMMUNICATION
- STIMULATED EMISSION
- THERMAL BLOOMING
- TRANSIENT OSCILLATIONS
- TRAVELING WAVE MODULATION

LASING (CONT.)
- LASING (CONT.)
- STIMULATED EMISSION DEVICES

LASY
- USE
- F-111 AIRCRAFT

LATCH-UP
- CMOS
- ELECTRICAL IMPEDANCE
- INTEGRATED CIRCUITS
- P-W-N JUNCTIONS
- SWITCHING CIRCUITS

LATCHES
- FASTENERS
- HOLDERS
- LINKAGES
- PINS

LATE STARS
- GS
- CELESTIAL BODIES
- STARS
- LATE STARS
- RT
- DWARF STARS
- EARLY STARS
- GIANT STARS
- MAIN SEQUENCE STARS
- RED GIANT STARS
- STELLAR EVOLUTION
- SUBGIANT STARS

LATENESS
- RT
- DELAY
- SCHEDULING

LATENT HEAT OF FUSION
- USE
- HEAT OF FUSION

LATERAL CONTROL
- UF
- LATERALIZATION
- ROLL CONTROL
- GS
- ATTITUDE CONTROL
- LATERAL CONTROL
- RT
- AILERS
- AIRCRAFT CONTROL
- ALTITUDE CONTROL
- AUTOMATIC CONTROL
- DIRECTIONAL CONTROL
- ELEVONS
- HELICOPTER CONTROL
- LATERAL CONTROL
- LONGITUDINAL CONTROL
- MANUAL CONTROL
- MISSILE CONTROL
- ROLL
- SATELLITE ATTITUDE CONTROL
- SATELLITE CONTROL

LATERAL OSCILLATION
- UF
- SNAPPING
- RT
- DIRECTIONAL STABILITY
- ROLL STABILITY
- AUGMENTATION
- TRANSVERSE OSCILLATION
- TURNING FLIGHT
- YAW
- YAWING MOMENTS

LATERAL STABILITY
- 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
- DIRECTIONAL STABILITY
- FLOW STABILITY
- HANDHELDNESS
- HOVERING STABILITY
- LONGITUDINAL STABILITY
- ROLL
- ROLLING MOMENTS
- ROTARY STABILITY
- SPACECRAFT STABILITY
- TURNING FLIGHT

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| LAWS |現代同様に引用されるアクチュエータとして使用されるもの

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<td>Ramjet Engines</td>
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**Low Weight**

RT = GRAVITATION

Reduced Gravity

Weightlessness

**Low Wing Aircraft**

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

LIGHTRCRAFT

MONoplanes

PASSENGER AIRCRAFT

TAILLESS AIRCRAFT

TURBOFAN AIRCRAFT

TURBOPROP AIRCRAFT

**Lower Atmosphere**

SN = ALTITUDE BELOW ABOUT 50 KM

GS = EARTH ATMOSPHERE

LOWEST ATMOSPHERE

BIosphere

Ozonosphere

Troposphere

RT = CHIMESphere

HETErOsphere

HOMosphere

INTASAT SATELLITE

LACATE (EXPERIMENT)

LOW ALTITUDE

MESOMETEOROLOGY

MOBILE ATMOSPHERE

TROPopause

**Lower Atmospheric Composition Experiment**

USE = LACATE EXPERIMENT

**Lower Body Negative Pressure**

GS = HEMODYNAMICS

LOWEST BODY NEGATIVE PRESSURE

RT = ARTIFICIAL GRAVITY

CARDIOVASCULAR SYSTEM

GRAVITATIONAL EFFECTS

ORTHOSTATIC TOLERANCE

SPACE FLIGHT STRESS

STRESS (PHYSIOLOGY)

WEIGHTLOSS

**Lower Body Negative Pressure (LBNP)**

USE = ACCELERATION STRESSES (PHYSIOLOGY)

**Lower California (Mexico)**

USE = BAJA CALIFORNIA

RT = MEXICO

NORTH AMERICA

**Lower Ionosphere**

GS = EARTH ATMOSPHERE

UPPER ATMOSPHERE

IONOSPHERE

LOWER IONOSPHERE

... D REGION

ENVIRONMENTS

IONOSPHERE

LOWER IONOSPHERE

RT = E REGION

**LOX (Oxygen)**

USE = LIQuID OXyGEN

**LOX-Hydrogen Engines**

USE = HYDROGEN OXyGEN ENGINES

LPT REACTOR

USE = LIVERMORE POOL TYPE REACTOR

LR CIRCUITS

USE = RL CIRCUITS

LR-59-AJ-13 ENGINE

GS = ENGINES

ROCKET ENGINES

BOOSTER ROCKET ENGINES

... LR-59-AJ-13 ENGINE

... LIQUID PROPELLANT ROCKET ENGINES

RT = LR-59-AJ-13 ENGINE

... BOMARC A MISSLE

LR-62 ENGINE

USE = YLR-62 ENGINE

GS = ENGINES

ROCKET ENGINES

LIQUID PROPELLANT ROCKET ENGINES

... LR-62 ENGINE

RT = BULLPUP B MISSLE

LR-62-RM-2 ENGINE

GS = ENGINES

ROCKET ENGINES

LIQUID PROPELLANT ROCKET ENGINES

... LR-62-RM-2 ENGINE

RT = BULLPUP B MISSLE

LR-62-RM-3 ENGINE

GS = ENGINES

ROCKET ENGINES

LIQUID PROPELLANT ROCKET ENGINES

... LR-62-RM-3 ENGINE

RT = TITAN 1CBM

LR-62-AJ-3 ENGINE

GS = ENGINES

ROCKET ENGINES

LIQUID PROPELLANT ROCKET ENGINES

... LR-62-AJ-3 ENGINE

RT = TITAN 1CBM

LR-67-AJ-3 ENGINE

GS = ENGINES

ROCKET ENGINES

LIQUID PROPELLANT ROCKET ENGINES

... LR-67-AJ-3 ENGINE

RT = TITAN 1CBM

LR-67-AJ-5 ENGINE

GS = ENGINES

ROCKET ENGINES

LIQUID PROPELLANT ROCKET ENGINES

... LR-67-AJ-5 ENGINE

RT = TITAN 1CBM

LR-91-AJ-3 ENGINE

GS = ENGINES

ROCKET ENGINES

LIQUID PROPELLANT ROCKET ENGINES

... LR-91-AJ-3 ENGINE

RT = TITAN 1CBM

LR-91-AJ-5 ENGINE

GS = ENGINES

ROCKET ENGINES

LIQUID PROPELLANT ROCKET ENGINES

... LR-91-AJ-5 ENGINE

RT = TITAN 1CBM

LR-99 ENGINE

USE = YLR-99-RM-1 ENGINE

GS = ENGINES

ROCKET ENGINES

LIQUID PROPELLANT ROCKET ENGINES

... LR-99 ENGINE

RT = X-15 AIRCRAFT

LRC CIRCUITS

USE = RL CIRCUITS

LRV (Vehicle)

USE = LUNAR ROVING VEHICLES

LSI

USE = LARGE SCALE INTEGRATION

LSSM

USE = LUNAR SURFACE SCIENTIFIC MODULES

GS = LUNAR SPACECRAFT

LUNAR LANDING MODULES

LUNAR MODULE

Lucite (Trademark)

USE = POLYMETHYL METHACRYLATE

LSSM (Cont.)

... 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

RT = APOLLO PROJECT

LST

USE = LARGE SPACE TELESCOPE

LTV Aircraft

USE = LING-TEMCO-VOUGHT AIRCRAFT

Lubricant Tests

RT = ENGINE TESTS

HIGH TEMPERATURE TESTS

LOW TEMPERATURE TESTS

MATERIALS TESTS

Tests

Lubricants

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

GS = LUBRICANTS

LUBRICATING OILS

OILS

LUBRICATING OILS

RT = DETERGENTS

LUBRICATION

MINERAL OILS

SHALE OIL

Lubrication

GS = LUBRICATION

BOUNDARY LUBRICATION

SELF LUBRICATION

SPACECRAFT LUBRICATION

RT = BEARINGS

ELASTOHYDRODYNAMICS

ENGINES

FRICTION REDUCTION

GEARS

IMPREGNATING

LIQUID BEARINGS

LUBRICANTS

LUBRICATION OILS

LUBRICATION SYSTEMS

MAINTENANCE

SELF LUBRICATING MATERIALS

SLIDING

TRIBOLOGY

Lubrication Systems

RT = AUTOMOBILES

COOLING SYSTEMS

INTERNAL COMBUSTION ENGINES

LUBRICATION

PUMPS

SYSTEMS

Lucite (Trademark)

USE = POLYMETHYL METHACRYLATE

413
MACH CONES
GS
- ELASTIC WAVES
- SHOCK WAVES
RT
- ACOUSTIC VELOCITY
- BOW WAVES
- CONES
- HYPERSONIC SHOCK
- SOUND WAVES
- SUPERSONIC FLIGHT
- SUPERSONIC FLOW
- SUPERSONICS

MACH INERTIA PRINCIPLE
GS
- INERTIA
- MACH PRINCIPLE
- MACH INERTIA PRINCIPLE
RT
- EQUATIONS OF MOTION
- MOMENTS OF INERTIA

MACH NUMBER
UF
- CRITICAL MACH NUMBER
- GLAUERT COEFFICIENT
GS
- RATIOS
- DIMENSIONLESS NUMBERS
- MACH NUMBER
RT
- ACOUSTIC VELOCITY
- AERODYNAMICS
- AIRSPEED
- SHOCK WAVES
- SUPERHARMONICS
- SWEEP ANGLE

MACH REFLECTION
GS
- REFLECTION
- WAVE REFLECTION
RT
- MACH REFLECTION
- SHOCK WAVES

MACH-ZEHNDER INTERFEROMETERS
GS
- MEASURING INSTRUMENTS
- INTERFEROMETERS
- MACH-ZEHNDER INTERFEROMETERS
RT
- AERODYNAMICS
- ARGON LASERS
- CARBON DIOXIDE LASERS
- DIFFRACTOMETERS
- GAS LASERS
- GONIOMETERS
- OPTICAL EQUIPMENT
- OPTICAL MEASURING INSTRUMENTS
- SCHLIEREN PHOTOGRAPHY

MACHINE LEARNING
USE
- LEARNING MACHINES

MACHINE LIFE
USE
- SERVICE LIFE

MACHINE ORIENTED LANGUAGES
GS
- LANGUAGES
- MACHINE ORIENTED LANGUAGES
- MARVIS (PROGRAMMING LANGUAGE)
- SLEUTH (PROGRAMMING LANGUAGE)
RT
- ALGOL
- ASSEMBLY LANGUAGE
- AUTOCODERS
- LANGUAGE PROGRAMMING
- PL/1
MACHINE RECOGNITION
- ARTIFICIAL INTELLIGENCE

MACHINE STORAGE
- COMPUTER STORAGE DEVICES
- CORE STORAGE

MACHINE TOOLS
- GS TOOLS
  - MACHINE TOOLS
    - GRINDING MACHINES
    - LATHES
    - TURRET LATHES
    - MILLING MACHINES
    - SHAPERS
- RT CUTTERS
- USE MACHINERY
- MACHINES
- MANDRILES
- MECHANICAL DEVICES
- MECHANICAL ENGINEERING
- METAL CUTTING
- NUMERICAL CONTROL
- PRESSES
- PUNCHES
- SAWS
- SHEARS
- TAPS
- ULTRASONIC CLEANING

MACHINE TRANSLATION
- GS LINGUISTICS
  - MACHINE TRANSLATION
  - TRANSLATING
- RT COMPUTER PROGRAMS
  - INFORMATION THEORY
  - LANGUAGE PROGRAMMING
  - LANGUAGES

MACHINE-INDEPENDENT PROGRAMS
- GS COMPUTER PROGRAMS
- MACHINE-INDEPENDENT PROGRAMS
- PROGRAMS
- MACHINE-INDEPENDENT PROGRAMS
- COMPUTERS
- MULTIPROGRAMMING

MACHINERY
- USE A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW

MACHINING
- UF MATERIAL REMOVAL (MACHINING)
- GS MACHINING
  - CHEMICAL MACHINING
  - ELECTRO-CHEMICAL MACHINING
  - HOT MACHINING
  - MILLING (MACHINING)
  - SPARK MACHINING
  - ULTRASONIC MACHINING
- RT CUTTING
  - DRILLING
  - FINISHES
  - FORMING TECHNIQUES
  - GRINDING (MATERIAL REMOVAL)
  - GROOVING
  - KNURLING
  - LASER CUTTING
  - MACHINE TOOLS

MACHINING (CONT.)
- METAL CUTTING
- METAL WORKING
- PLANNING
- RESIDUAL STRESS
- SETUPS
- SURFACE FINISHING
- SURFACE ROUGHNESS
- TOOLING
- V GROOVES

MACLAURIN SERIES
- UF MACLAURIN SERIES
- GS ANALYSIS (MATHEMATICS)
  - CALCULUS
    - SERIES (MATHEMATICS)
      - POWER SERIES
        - TAYLOR SERIES
        - MACLAURIN SERIES
    - REAL VARIABLES
      - SERIES (MATHEMATICS)
        - POWER SERIES
        - TAYLOR SERIES

MACROCLIMATE
- USE CLIMATE

MACROMOLECULES
- USE MOLECULES

MACROPHAGES
- GS CELLS (BIOLOGY)
  - MACROPHAGES
- RT TISSUES (BIOLOGY)

MACROSCOPIC EQUATIONS
- RT EQUATIONS
  - MEASUREMENT
  - PROPERTIES
  - STATISTICAL MECHANICS

MACULAR VISION
- USE VISION

MAFFEI GALAXIES
- GS CELESTIAL BODIES
  - GALAXIES

MAFFEI GALAXIES
- RT NEBULAE
  - RADIO ASTRONOMY
  - RADIO GALAXIES
  - RADIO SOURCES (ASTRONOMY)
    - SPIRAL GALAXIES

MAGAZINES (SUPPLY CHAMBERS)
- RT AMMUNITION
  - PHOTOGRAPHIC FILM
  - SPOOLS

MAGDALENA-CAUCA VALLEY (COLOMBIA)
- GS LANDFORMS
  - MAGDALENA-CAUCA VALLEY (COLOMBIA)
- VALLEYS
  - MAGDALENA-CAUCA VALLEY (COLOMBIA)

MAGDALENA-CAUCA VALLEY (COLOMBIA)
- RT COLOMBIA
  - SOUTH AMERICA

MAGELLANIC CLOUDS
- GS CLOUDS
  - MAGELLANIC CLOUDS
- RT NEBULAE
  - ORION NEBULA
  - STAR CLUSTERS
  - STARS

MAGIC TEES
- RT DUXPLEXERS

MAGMA
- RT IGNEOUS ROCKS
  - LAVA
  - REGOLITH
  - ROCKS
  - SOILS

MAGNIFICATION
- GS CHEMICAL ELEMENTS
  - MAGNESIUM
    - MAGNESIUM ISOTOPES
    - METALS
    - MAGNESIUM

MAGNETIC MATERIALS
- GS MAGNETIC MATERIALS
  - MAGNETIC MATERIALS
  - MAGNETIC MATERIALS

MAGNETIC METER
- USE METERS

MAGNETIC MINERALS
- GS MAGNETIC MINERALS
  - MAGNETIC MINERALS
  - MAGNETIC MINERALS

MAGNETIC PROPERTIES
- USE PROPERTIES

MAGNETIC RESONANCE
- USE RESONANCE

MAGNETIC SUSCEPTIBILITY
- USE SUSCEPTIBILITY

MAGNETRON
- USE TUBES

MAGNETIC VISION
- USE VISION

MAGNESIA
- USE SILICA

MAGNESIUM
- USE ALUMINUM

MAGNESIUM ALLOYS
- GS ALLOYS
  - LIGHT ALLOYS
  - MAGNESIUM ALLOYS

MAGNESIUM BROMIDES
- GS HALOGEN COMPOUNDS
  - BROMINE COMPOUNDS
  - BROMIDES
  - MAGNESIUM BROMIDES
    - HALIDES
    - BROMIDES
    - MAGNESIUM BROMIDES
    - METAL HALIDES
    - MAGNESIUM BROMIDES
    - MAGNESIUM BROMIDES

MAGNESIUM CELLS
- GS ELECTRIC GENERATORS
  - DIRECT POWER GENERATORS
  - PRIMARY BATTERIES
  - DRY CELLS
  - MAGNESIUM CELLS
    - ELECTROCHEMICAL CELLS
    - ELECTRIC BATTERIES
    - PRIMARY BATTERIES
    - DRY CELLS
    - MAGNESIUM CELLS
  - RT CHEMICAL AUXILIARY POWER UNITS
    - ELECTROLYTIC POLARIZATION

MAGNESIUM CHLORIDES
- GS HALOGEN COMPOUNDS
  - CHLORINE COMPOUNDS
  - CHLORIDES
  - MAGNESIUM CHLORIDES
  - HALIDES
  - CHLORIDES
  - MAGNESIUM CHLORIDES
  - MAGNESIUM CHLORIDES

MAGNESIUM COMPOUNDS
- GS MAGNESIUM COMPOUNDS
  - AKERMANNITE
  - BRUCITE
  - CHLOROPHYLLS
  - CORDIERITE
  - DOLOMITE (MINERAL)
  - ENSTATITE
  - FORSTERITE
  - GENHILITE
  - MAGNESIUM BROMIDES
  - MAGNESIUM CHLORIDES
  - MAGNESIUM FLUORIDES
  - MAGNESIUM GERMANATES
  - MAGNESIUM GERMANIDES
  - MAGNESIUM OXIDES
  - PERILASITE
  - MAGNESIUM PERCHLORATES
  - MAGNESIUM SULFATES
  - HEXAHEDRITE
  - MAGNESIUM TITANATES
  - MERMANTITE
  - MONTICELLO
  - NORBERGITE
  - TALC
  - RT ALKALINE EARTH COMPOUNDS
  - METAL COMPOUNDS

MAGNESIUM FLUORIDES
- GS HALOGEN COMPOUNDS
  - FLUORINE COMPOUNDS
  - FLUORIDES
  - METAL FLUORIDES
  - MAGNESIUM FLUORIDES
    - HALIDES
    - METAL HALIDES
    - MAGNESIUM FLUORIDES
    - MAGNESIUM FLUORIDES

MAGNESIUM GERMANATES
- GS GERMANIUM COMPOUNDS
  - GERMANIUM COMPOUNDS
  - MAGNESIUM GERMANATES
  - MAGNESIUM GERMANATES
  - MAGNESIUM GERMANATES

MAGNESIUM GERMANIDES
- USE MAGNESIUM GERMANIDES
MAGNETIC MATERIALS

USE MAGNETIC MATERIALS

MAGNETIC METALS

USE MAGNETIC MATERIALS

MAGNETIC POLARIZATION (SOLID STATE PHYSICS)

MAGNETIC PROPERTIES

USE MAGNETIC PROPERTIES

MAGNETIC RECORDING

USE MAGNETIC RECORDING
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**MANNED REENTRY**

**GS**
- ATMOSPHERIC ENTRY
- REENTRY

**RT**
- MANED REENTRY
- SPACE FLIGHT
- MANED SPACE FLIGHT

**MANNED SPACE FLIGHT**

**GS**
- SPACE FLIGHT
- MANNED SPACE FLIGHT
- APOLLO 6 FLIGHT
- APOLLO 7 FLIGHT
- APOLLO 8 FLIGHT
- APOLLO 9 FLIGHT
- APOLLO 10 FLIGHT
- APOLLO 11 FLIGHT
- APOLLO 12 FLIGHT

**MANNED SPACECRAFT**

**GS**
- AEROSPACEPLANES
- ASTROPLANE
- APOLLO SPACECRAFT
- APOLLO LUNAR EXPERIMENT MODULE
- ASTRO VEHICLE
- FERRY SPACECRAFT
- GEMINI 3 SPACECRAFT
- GEMINI SPACECRAFT
- GEMINI (GT-1) SPACECRAFT
- GEMINI 2 SPACECRAFT
- JANUS SPACECRAFT
- LUNAR MODULE
- APOLLO LUNAR EXPERIMENT MODULE
- LSSM
- LUNAR MODULE 5
- LUNAR MODULE 7

**MANITOLA**

**GS**
- ALPHATIC COMPOUNDS
- SUGARS
- MANNITOL
- CARBOHYDRATES
- SUGARS
- MANNITOL

**MANITOMETERS**

**UF**
- MICROMANOMETERS
- U TUBES

**GS**
- MEASURING INSTRUMENTS
- PRESSURE GAGES
- MANITOMETERS

**RT**
- BAHMETERS
- BLOOD PRESSURE
- FLAME PROBES
- ISOTENISCOPIES
- PRESSURE DISTRIBUTION
- PRESSURE MEASUREMENT
- VACUUM GAGES

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MATERIALS HANDLING

- GRAPHITE-EPOXY COMPOSITES
- GROUND SUPPORT EQUIPMENT
- HOLES (ELECTRON DEFICIENCIES)
- INORGANIC MATERIALS
- LOW DENSITY MATERIALS
- MAGNETIC MATERIALS
- MATERIALS HANDLING
- METAL MATRIX COMPOSITES
- MOLDING MATERIALS
- NONFLAMMABLE MATERIALS
- ORGANIC MATERIALS
- PAPER (MATERIAL)
- PHASE CHANGE MATERIALS
- PHOTOLEASTIC MATERIALS
- PHOTOELECTRIC MATERIALS
- POLYMER MATRIX COMPOSITES
- POROUS MATERIALS
- PYROLYTIC MATERIALS
- RADIOACTIVE MATERIALS
- RADIUM MATERIALS
- REACTOR MATERIALS
- REFRACTORY MATERIALS
- RESERVES
- RESOURCES
- SELF LUBRICATING MATERIALS
- SEMICONDUCTORS (MATERIALS)
- SOLIDS
- THERMOCROMATIC MATERIALS
- THERMOELECTRIC MATERIALS
- THREE DIMENSIONAL COMPOSITES
- VITREOUS MATERIALS
- VYCOR

MATERIALS HANDLING

- MATERIAL HANDLING
- GROUND HANDLING
- PROPELLANT TRANSFER
- REMOTE HANDLING

RT AIRFIELD SURFACE MOVEMENTS

- AUTOMATION
- BLOWERS
- CANALS
- CARGO
- CARGO AIRCRAFT
- CARTS
- CHEMICAL ENGINEERING
- CHUTES
- CONTAINERS
- CONTINGENCY
- CONVEYORS
- CRANES
- DELIVERY
- DISPENSERS
- DISPOSAL
- DISTRIBUTING
- DISTRIBUTOR
- DOLLS
- DUMPING
- EJECTION
- ELECTRONS
- EMPTYING
- ENCAPSULATING
- EXCAVATION
- FEEDERS
- FEEDING (SUPPLYING)
- FLUID FLOW
- FUEL PUMPS
- HAULING
- HEAVY LIFT AIRCRAFTS
- HOPPERS
- LOADING OPERATIONS
- LUNARLOGISTICS
- MARKING
- MATERIALS
- MECHANICAL ENGINEERING
- MINES (EXCAVATIONS)
- MOORING
- PACKAGING
- PIPELINES
- PUMPING
- PUMPS
- RAILROAD HUMPING TESTS
- RELEASING
- RIGGING
- SERVICES
- SPACERS
- SPREADING
- STACKS
- STORAGE
- TANKS (CONTAINERS)
- TRACTORS
- TRANSFERRING
- TRANSPORTATION
### Materials Recovery

**Materials Handling (Cont.)**
- Trucks
- Unloading
- Vacuum Pumps
- Waste Disposal
- Wharves

**Materials Recovery**
- Storage of a Material to Reclaim One or More of Its Components
- Reclamation
- Materials Recovery
  - Nuclear Fuel Reprocessing
  - Water Reclamation

**Absorption**
- By-Products
- Centrifuging
- Crystallization
- Disposal
- Distillation
- Extraction
- Filtration

**Matteries Science**
- Use of a More Specific Term is Recommended—Consult the Terms Listed Below

**Materials Testing Reactors**
- Use Nuclear Research and Test Reactors

**Mathematical Logic**
- Algorithms
- Mathematical Logic
  - Boolean Functions
  - Set Theory
  - Borel Sets
  - Equivalence

### Mathematical Logic (Cont.)
- Threshold Logic
- Branching (Mathematics)

**Mathematical Models**
- Airplane Model
- Gauss Models
- Mathematical Models
  - Analog Simulation
  - Biological Models (Mathematics)
  - Digital Simulation

### Mathematical Programming
- Research
- Operations Research
  - Mathematical Programming

**Mathematical Tables**
- GS Tables (Data)
- Mathematical Tables

### Mathematics
- Use of a More Specific Term is Recommended—Consult the Terms Listed Below

**Mathematics**
- Algebra
  - Analysis (Mathematics)
  - Axioms
  - Bond Graphs
  - Calculus

### Materials Science
- Use of a More Specific Term is Recommended—Consult the Terms Listed Below

**Materials Testing Reactors**
- Use Nuclear Research and Test Reactors

**Matrices**
- Use of a More Specific Term is Recommended—Consult the Terms Listed Below

**Matrices (Circuits)**
- GS Circuits
- Matrices (Circuits)

### Materials (Mathematics)
- Algebra
  - Vector Spaces
  - Matrices (Mathematics)

- Adjoints
- Canonical Forms

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MAULER MISSILE (CONT.)
SOLID PROPELLANT ROCKET ENGINES

Mauritanias
AFRICA
NATIONS

Maverick Missiles
GS MISSILES
AIR TO SURFACE MISSILES
MAVERICK MISSILES

Max Holste MH-260 Aircraft
USE MH-260 AIRCRAFT

Max Holste MH-262 Aircraft
USE MH-262 AIRCRAFT

MAXIMA
GS ANALYSIS (MATHEMATICS)
REAL VARIABLES
EXTREMUM VALUES
MAXIMA
RT APEXES
CALCULUS OF VARIATIONS
CUSPS (MATHEMATICS)
MINIMA
OPTIMIZATION
RT PEAKS
PENALTY FUNCTION
MAXIMA
RT RANGE (EXTREMES)
ZENITH

MAXIMUM ENTROPY METHOD
GS ENTROPY (STATISTICS)
MAXIMUM ENTROPY METHODS
SPECTRUM ANALYSIS
MAXIMUM ENTROPY METHOD
RT DISTRIBUTION FUNCTIONS
ENTROPY
FOURIER TRANSFORMATION
INFORMATION THEORY
POWER SPECTRA
MAXIMUM ENTROPY METHOD
RT ANALYSIS (MATHEMATICS)
MAXIMA
RT REAL VARIABLES
EXTREMUM VALUES
MAXIMA

MAXIMUM LIKELIHOOD ESTIMATES
RT CONFIDENCE LIMITS
FORECASTING
GOODNESS OF FIT
LIKELIHOOD RATIO
PARAMETER IDENTIFICATION
PREDICTIONS
RELIABILITY
MAXIMUM LIKELIHOOD ESTIMATES
RT RISK
SYSTEM IDENTIFICATION

MAXIMUM PRINCIPLE
RT COMPLEX VARIABLES
DIFFERENTIAL EQUATIONS
ELLIPTIC DIFFERENTIAL EQUATIONS
HARMONIC FUNCTIONS
POINTYRAGIN PRINCIPLE
REAL VARIABLES

MAXIMUM USABLE FREQUENCY
GS FREQUENCIES
RT MAXIMUM USABLE FREQUENCY
FREQUENCY ASSIGNMENT
FREQUENCY REUSE
HIGH FREQUENCIES
MAXIMUM USABLE FREQUENCY
RT VERY HIGH FREQUENCIES

Maxwell Bodies
RT CLASSICAL MECHANICS
CONTINUUM MECHANICS
HOOKES LAW
OSCILLATION DAMPERS
RELAXATION TIME

Maxwell Equation (CONT.)
RT STOKES LAW

MAXWELL FLUIDS
RT COMPRESSIBLE FLUIDS
FLUID MECHANICS
RT FLUIDS
RHEOLOGY
VISCOELASTICITY
VISCOUS FLOW
VISCOUS FLUIDS

Maxwell-Boltzmann Density Function
RT DENSITY DISTRIBUTION
KINETIC THEORY
PROBABILITY THEORY
STATISTICAL MECHANICS

MAXWELL-MOHR METHOD
RT DEFORMATION
RT EQUILIBRIUM
METHODS
RT STATIC DEFORMATION
TRUSSES

Maypole Antennas
RT ANTENNA DESIGN
LARGE SPACE STRUCTURES
SPACE ERECTABLE STRUCTURES

Mayer Problem
RT CONDENSATION
CRITICAL POINT
GIBBS FREE ENERGY
MOLECULAR PHYSICS
PROBLEMS
SUPERSATURATION

MBM Junctions
RT METAL-BARRIER-METAL JUNCTIONS
SEMICONDUCTOR JUNCTIONS
MBM JUNCTIONS
RT BARRIER LAYERS
JUNCTION TRANSISTORS

McDonnell Aircraft
GS MCCONNELL DOUGLAS AIRCRAFT
MCDONNELL AIRCRAFT
C-9 AIRCRAFT
DC 10 AIRCRAFT
F-101 AIRCRAFT
F-102 AIRCRAFT
F-4 AIRCRAFT
DC 8 AIRCRAFT
DC 7 AIRCRAFT
DC 2 AIRCRAFT
D-55B AIRCRAFT
C-124 AIRCRAFT
C-118 AIRCRAFT
C-54 AIRCRAFT
C-47 AIRCRAFT
B-66 AIRCRAFT
A-4 AIRCRAFT
A-1 AIRCRAFT
A-3 AIRCRAFT

McDonnell Douglas Aircraft
GS MCCONNELL DOUGLAS AIRCRAFT
MCDONNELL AIRCRAFT
C-9 AIRCRAFT
DC 10 AIRCRAFT
F-101 AIRCRAFT
F-102 AIRCRAFT
F-4 AIRCRAFT
DC 8 AIRCRAFT
DC 7 AIRCRAFT
DC 2 AIRCRAFT
D-55B AIRCRAFT
C-124 AIRCRAFT
C-118 AIRCRAFT
C-54 AIRCRAFT
C-47 AIRCRAFT
B-66 AIRCRAFT
A-4 AIRCRAFT
A-1 AIRCRAFT
A-3 AIRCRAFT

Maxwellian Distribution (Density)
GS MAXWELLIAN DISTRIBUTION (DENSITY)
FUNCTION

MAZE LEARNING
GS LEARNING
MAZE LEARNING
RT PROBLEM SOLVING

MB-1 Rocket Vehicle
USE GENIE ROCKET VEHICLE

MCDONNELL AIRCRAFT
GS MCCONNELL DOUGLAS AIRCRAFT
MCDONNELL AIRCRAFT
C-9 AIRCRAFT
DC 10 AIRCRAFT
F-101 AIRCRAFT
F-102 AIRCRAFT
F-4 AIRCRAFT
DC 8 AIRCRAFT
DC 7 AIRCRAFT
DC 2 AIRCRAFT
D-55B AIRCRAFT
C-124 AIRCRAFT
C-118 AIRCRAFT
C-54 AIRCRAFT
C-47 AIRCRAFT
B-66 AIRCRAFT
A-4 AIRCRAFT
A-1 AIRCRAFT
A-3 AIRCRAFT

MCDONNELL DOUGLAS AIRCRAFT
GS MCCONNELL DOUGLAS AIRCRAFT
MCDONNELL AIRCRAFT
C-9 AIRCRAFT
DC 10 AIRCRAFT
F-101 AIRCRAFT
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**NASA Thesaurus (Volume 1)**
### NASA Thesaurus (Volume 1)

#### METAL OXIDES (CONT.)
- Hafnium oxides
- Iron oxides
- Chromites
- Hematite
- Ilmenite
- Magnetite
- Lanthanum oxides
- Lead oxides
- Lithium oxides
- Manganesine oxides
- HOPCAITE (TRADEMARK)
- Mercury oxides
- Mixed oxides
- Molybdenum oxides
- Nickel oxides
- Niobium oxides
- Platinum oxides
- Plutonium oxides
- Potassium oxides
- Scandium oxides
- Silver oxides
- Sodium peroxides
- Thorium oxides
- Tin oxides
- Titanium oxides
- Anatas
- Ilmenite
- Rutile
- Tungsten oxides
- Scheelite
- Uranium oxides
- Vanadium oxides
- Yttrium oxides
- Zinc oxides
- Zirconium oxides

#### METAL PARTICLES
- GS PARTICLES
  - Metal particles
  - Platinum black
  - Powdered aluminum
- RT Powders metallurgy
  - Sputtering

#### METAL PLATES
- UF PLATE (METAL)
- GS METAL PLATES
  - Boiler plate
- RT Armor
  - Bars
  - Billets
  - Flanges
  - Flat plates
  - Grooved webs
  - Parallel plates
  - Plates (structural members)
  - Rectangular plates
  - Slabs
  - Thick plates
  - Thin plates

#### METAL POLISHING
- UF Polished metals
  - Metal polishing
  - Electroropolishing
- RT Cleaning
  - Surface finishing

#### METAL POWDER
- UF Powdered metals
  - Metals
  - Metal powder
  - Platinum black
  - Powdered aluminum
- RT Atomizing
  - Bearing alloys
  - Communication
  - Compressibility
  - Compressing
  - Electrodeposition
  - Flakes
  - Mixing particles
  - Porous materials
  - Reduction (chemistry)
  - Sintering

#### METAL POWDER (CONT.)
- Size separation

#### METAL PROPELLANTS
- GS Fuels
  - Solid rocket propellants
  - Metal propellants
  - Rocket propellants
  - Solid rocket propellants
  - Metal propellants
  - Solid propellants
  - Solid rocket propellants
  - Metal propellants
- RT Aluminum compounds
  - Beryllium compounds
  - Boron compounds
  - Gelled propellants
  - Gelled rocket propellants
  - Hybrid propellants
  - Monopropellants
  - Surlyn propellants

#### METAL SHEETS
- UF Sheet metal
- RT Plates (structural members)
- Metal sheets

#### METAL SPINNING
- RT Cold working
  - Extruding
  - Hot working

#### METAL SPRAYING
- GS Spraying
  - Metal spraying
  - Arc spraying
  - Flame spraying
  - Metallizing
  - Surface finishing

#### METAL STRIPS
- RT Billets
  - Ribbons
  - Strakes

#### METAL SURFACES
- RT Crack initiation
  - Crystal surfaces
  - Erosion
  - Gas-solid interfaces
  - Liquid-solid interfaces
  - Oxide films
  - Solid surfaces
  - Surface finishing
  - Surface properties
  - Surface reactions

#### METAL VAPOR LASERS
- GS Stimulated emission devices
  - Lasers
  - Metal vapor lasers
  - Laser materials
  - Laser microscopy
  - Optical pumping

#### METAL-INSULATOR-METAL DIODES
- Metal-vapor diodes
  - Metal-gas systems
  - Metal-barrier-metal junctions
  - Metal-gas systems
  - Metal-insulator-metal diodes

#### METAL WHISKER REINFORCEMENT
- Metal whisker composites

#### METAL WORKING
- SN (Metal deformation for changing shape and forming)
- GUI (Metal forming)
- GF Metal working
  - Ausforming
  - Burring
  - Cladding
  - Coning
  - Explosive forming
  - Forging
  - Hydroforming
  - Magnetic forming
  - Metal drawing
  - Metal spinning
  - Hydrospinning
  - Sizing (shaping)

#### METAL VAPORS
- RT Gas lubricants
  - Gas-metal interactions
  - Gas-metal interactions
  - Metal vapors
  - Metal vapor lamps
  - Metal vapor deposition
  - Liquid metals
  - Vapor deposition

#### METAL VAPORS
- RT Alkali metals
  - Alkali vapor lamps
  - Gas-metal interactions
  - Heat transfer
  - Liquid metals
  - Vapor deposition

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METEOROLOGICAL SERVICES

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- NAVIGATION SATELLITES
- NOESS
- SATELLITE OBSERVATION
- SATELLITE TELEVISION
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- SOUND DETECTING AND RANGING
- STORMS (METEOROLOGY)
- TEMPERATURE
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- ESA SPACECRAFT
- ESA SATELLITE
- ARTIFICIAL SATELLITES
- ESA SATELLITE
- METEORSAT SATELLITE
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- METEORSAT SATELLITE
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METHYL NITRATE

METHYL COMPOUNDS

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METHYL CHLOROSILANES

METHYL COMPOUNDS

METHYL NITRATE

METHYL POLYSILXONANE

METHYLATION

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**MIMAS**

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  - NATURAL SATELLITES
  - SATURN SATELLITES
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**MINE DETECTORS**

**GS**
- WARNING SYSTEMS
  - MINE DETECTORS
- WARNING

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**MINERAL DEPOSITS**

RT CONTAKTS (GEOLOGY)
- EARTH RESOURCES
- EXCAVATION
- GEOLOGY
- MINERALOGY
- MINERALS
- MINES (EXCAVATIONS)
- MINING
- RESERVES
- STRIP MINING
- UNDERWATER RESOURCES

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GS EXPLOSION
- MINERAL EXPLORATION
RT EXCAVATION
- MINERALS
- MINES (EXCAVATIONS)
- MINING

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GS METABOLISM
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RT BODY FLUIDS
- CALORIC REQUIREMENTS
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- SECRECTIONS

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GS OILS
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- MINERALS
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  - BERYL
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  - BRUCITE
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- NEPHELITE
- NORMERGITE
- OLIVINE
- FORSTERITE
- PEROVSKITIDES
- PROLITITE
- PYRTITES
- PYROPHYLITE
- PYROXENES
- ENASTITE
- PYRROHOTITE
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- COESITE
- STISHOVITE
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- TOURMALINE
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BENEFICATION
BIOGEOCHEMISTRY
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BOWREHILES
CALCIC SILICATES
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DUNITE
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MINERAL DEPOSITS
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**MINES**

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= PITS (EXCAVATIONS)
= RESERVES
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= UNDERGROUND STORAGE
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GS WEAPONS
- MINES (ORDNANCE)
RT AMMUNITION
= MINES

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GS ELECTRONIC EQUIPMENT
- MINIATURE ELECTRONIC EQUIPMENT
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= THIN FILMS

**MINIATURIZATION**

GS MINIATURIZATION
- MICROMINIATURATION
= SUBMINIATURATION
RT CIRCUITS
= MINIATURE ELECTRONIC EQUIPMENT
= PRINTED CIRCUITS
= PRINTED RESISTORS
= TRANSISTORS
= WAFERS

**MINICOMPUTERS**

GS DATA PROCESSING EQUIPMENT
- MINICOMPUTERS
= DIGITAL COMPUTERS
= MINICOMPUTERS
RT AIRCRAFT/SPACEBORNE COMPUTERS
= ATMOSPHERIC & OCEANOGRAPHIC INSTRUMENTS
= MICROCOMPUTERS

**MINIMA**

GS ANALYSIS (MATHEMATICS)
- REAL VARIABLES
  = EXTREUM VALUES
- MINIMA
RT CURVES (MATHEMATICS)
= DIFFERENTIAL CALCULUS
= MAXIMA
OPERATIONS RESEARCH
= OPTIMIZATION
= PENALTY FUNCTION
= RANGE (EXTREMES)
= STEEPDEST DESCENT METHOD

**MINIMAX TECHNIQUE**

RT APPROXIMATION
= CURVE FITTING
= GAME THEORY
= OPERATIONS RESEARCH
= SADDLE POINTS

**MINIMIZATION**

USE OPTIMIZATION

**MINIMUM DRAG**

GS DYNAMIC CHARACTERISTICS
= DRAG
= MINIMUM DRAG
RT AIRCRAFT PERFORMANCE
= FRICTION DRAG

**MINIMUM ENTROPY METHOD**

GS ENTROPY (STATISTICS)
= MINIMUM ENTROPY METHOD

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**MISSILE BODIES** (CONT.)
- SLENDER BODIES
- STREAMLINED BODIES

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- USE MISSILE BODIES

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- GS MISSILE COMPONENTS
  - MISSILE ANTIQUATIONS
  - MISSILE COMPONENTS
- RT COMPONENTS
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  - FINS
  - NOSE CONES
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  - WINGS

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- RT AERODYNAMIC CONFIGURATIONS
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  - CONFIGURATIONS
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  - AIRCRAFT CARRIER CONFIGURATION
  - LAUNCH VEHICLE CONFIGURATIONS
  - MISSILES
  - MULTIENGINE VEHICLES
  - PATRIOT MISSILES
  - PROPULSION SYSTEM CONFIGURATIONS
  - ROCKET ENGINES
  - ROCKET VEHICLES

**MISSILE CONSTRUCTION**
- USE MISSILE STRUCTURES

**MISSILE CONTROL**
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  - MISSILE STABILIZATION
- RT ACTUATORS
  - ANALOG COMPUTERS
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  - AUTOMATIC CONTROLS
  - AUTOMATIC FLIGHT CONTROL
  - CONTROL
  - DIRECTIONAL CONTROL
  - FLIGHT CONTROL
  - GROUND BASED CONTROL
  - HOMEING
  - LASER GUIDANCE
  - LATERAL CONTROL
  - LONGITUDINAL CONTROL
  - MISSILES
  - RADAR HOMING MISSILES
  - RADIO CONTROL
  - REMOTE CONTROL
  - ROCKET ENGINE CONTROL
  - SPACECRAFT CONTROL
  - STAR TRACKERS
  - THRUST VECTOR CONTROL
  - VISUAL CONTROL

**MISSILE DEFENSE**
- SN (SYSTEMS DESIGNED TO PROTECT MISSILES AGAINST ATTACK)
- RT ANTIMISSILE DEFENSE
  - ANTIMISSILE MISSILES
  - ANTIRADIATION MISSILES
  - BALLISTIC MISSILE DECOYS
  - DEFENSE
  - DEFENSE INDUSTRY
  - DEFENSE PROGRAM
  - HARDENING (SYSTEMS)
  - MILITARY TECHNOLOGY
  - MILITARY MISSILES
  - OPTICAL COUNTERMEASURES
  - REENTRY DECOYS
  - SAFEGUARD SYSTEM
  - WEAPONS DELIVERY

**MISSILE DESIGN**
- RT AEROSPACE ENGINEERING
  - AIRCRAFT DESIGN
  - COMPUTERIZED DESIGN
  - DESIGN
  - DEVELOPMENT
  - ENGINE DESIGN
  - FLIGHT TESTS
  - FUNCTIONAL DESIGN SPECIFICATIONS
  - MAGNETIC EFFECT
  - RELIABILITY
  - STRUCTURAL DESIGN
  - SYSTEMS ENGINEERING

**MISSILE DETECTION**
- GS DETECTION
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**MISSILE ENGINE CASES**
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**MISSILE GUIDANCE**
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  - BALISTIC MISSILE SUBMARINES
  - SHIP LAUNCHERS
  - GROUND SUPPORT EQUIPMENT
  - GUN LAUNCHERS
  - LAUNCH VEHICLES
  - LAUNCHING
  - LAUNCHING SITES
  - MISSILES
  - ROCKET LAUNCHERS
  - SEA LAUNCHERS
  - WEAPONS SYSTEMS

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  - RANGES (DISTANCES)
  - TEST RANGES
  - MISSILE RANGES
  - TEST FACILITIES
  - TEST RANGES
  - MISSILE RANGES
  - MISSILE RANGES

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  - RADAR SIGNATURES
  - MISSILE SIGNATURES
  - MISSILE SIGNATURES
  - MISSILE SIGNATURES
  - MISSILE SIGNATURES

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- UF SILOS (MISSILE STORAGE)
  - BUILDINGS
  - LAUNCHING SITES
  - MISSILE STORAGES
  - MISSILE STORAGES

**MISSILE SIMULATORS**
- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)
  - COMPUTED SIMULATION
  - FLIGHT SIMULATORS
  - MATHEMATICAL MODELS
  - MISSILES
  - SIMULATORS
  - TRAINING SIMULATORS
  - WIND TUNNEL MODELS

**MISSILE STABILIZATION**
- USE MISSILE CONTROL
  - STABILITY

**MISSILE STORAGE**
- RT GROUND SUPPORT EQUIPMENT
  - MOBILE MISSILE LAUNCHERS
  - PROPELLANT STORAGE
  - UNDERGROUND STORAGE

**MISSILE SYSTEMS**
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  - NIKE-X SYSTEMS
  - SAFEGUARD SYSTEM
  - AEROSPACE DEPLOYMENT
  - MOBILE MISSILE LAUNCHERS
  - RADAR HOMEING MISSILES
  - SYSTEMS

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- RT CAPTIVE TESTS
  - ENGINE TESTS
  - FLIGHT TESTS
  - FUEL TESTS
  - GROUND TESTS
  - MISSILES
  - PRELAUNCH TESTS
  - PROPellant TESTS
  - STABILITY TESTS
  - STATIC TESTS
  - TEST FIRING
  - TEST VEHICLES
  - TESTS
  - WIND TUNNEL STABILITY TESTS

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- GS TRACKING (POSITION)
  - MISSILE TRACKING
  - RT AEROSPACE TRACKING
    - LASER TRACKER DECENTRALIZATION
    - POLYMER DOPPLER TRACKING
    - SYSTEM
    - RANGE AND RANGE RATE TRACKING
    - SPACE DETECTION AND TRACKING
    - SYSTEM
    - SPACECRAFT TRACKING
    - TRACKING NETWORKS
    - TRACKING STATIONS
      - MISSILE TRACKING SYSTEM

**MISSILE TRAJECTORIES**
- GS TRAJECTORIES
  - MISSILE TRAJECTORIES
  - RT AEROSPACE TRACKING
    - BALLISTIC TRAJECTORIES
    - COBRA DANE (RADAR)
    - DESCENT TRAJECTORIES
    - FLIGHT PATHS
    - IMPACT PREDICTION
    - PARABOLIC FLIGHT
    - REENTRY TRAJECTORIES
    - SPINNING UNGUIDED ROCKET TRAJECTORY
    - UNDERWATER TRAJECTORIES

**MISSILE VIBRATION**
- GS VIBRATION
  - STRUCTURAL VIBRATION
  - MISSILE VIBRATION
  - RT VIBRATION
    - BENDING VIBRATION
    - BREATHING VIBRATION
    - FLIGHT VIBRATION
    - LINEAR VIBRATION
    - RANDOM VIBRATION
    - SELF INDUCED VIBRATION
    - SUPERSONIC FLIGHT
    - TORSIONAL VIBRATION
    - TRANSONIC FLIGHT

**MISSILES**
- GS MISSILES
  - AIR SLEW MISSILES
  - AIR TO AIR MISSILES
  - AIRCRAFT MISSILES
  - AUTOPILOT MISSILES
  - FALCON MISSILE
  - MATRA MISSILE
  - MICRONIKE MISSILES
  - SPARRROW MISSILES
  - SPARRROW 2 MISSILE
  - SPARRROW 3 MISSILE
  - AIR TO SURFACE MISSILES
  - BULLPUP MISSILES
  - BURTON MISSILES
  - CONDOR MISSILE
  - HARPOON MISSILE
  - HOUND DOG MISSILE
  - MAVENICK MISSILES
  - MAULER MISSILE
  - QUAIL MISSILE
  - SHAIK MISSILE
  - ANTIARTILLERY MISSILES
  - ANTIAIRCRAFT MISSILES
  - BOMARC MISSILES
  - FALCON MISSILE
  - MAVERICK MISSILE
  - NIKE-AJAX MISSILE

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**MISSILE SYSTEMS**
- GS WEAPON SYSTEMS
  - MISSILE SYSTEMS
  - NIKE-X SYSTEMS
  - SAFEGUARD SYSTEM
  - AEROSPACE DEPLOYMENT
  - MOBILE MISSILE LAUNCHERS
  - RADAR HOMEING MISSILES
  - SYSTEMS

**MISSILE TESTS**
- RT CAPTIVE TESTS
  - ENGINE TESTS
  - FLIGHT TESTS
  - FUEL TESTS
  - GROUND TESTS
  - MISSILES
  - PRELAUNCH TESTS
  - PROPellant TESTS
  - STABILITY TESTS
  - STATIC TESTS
  - TEST FIRING
  - TEST VEHICLES
  - TESTS
  - WIND TUNNEL STABILITY TESTS

**MISSILE TRACKING**
- GS TRACKING (POSITION)
  - MISSILE TRACKING
  - RT AEROSPACE TRACKING
    - LASER TRACKER DECENTRALIZATION
    - POLYMER DOPPLER TRACKING
    - SYSTEM
    - RANGE AND RANGE RATE TRACKING
    - SPACE DETECTION AND TRACKING
    - SYSTEM
    - SPACECRAFT TRACKING
    - TRACKING NETWORKS
    - TRACKING STATIONS
      - MISSILE TRACKING SYSTEM

**MISSILE TRAJECTORIES**
- GS TRAJECTORIES
  - MISSILE TRAJECTORIES
  - RT AEROSPACE TRACKING
    - BALLISTIC TRAJECTORIES
    - COBRA DANE (RADAR)
    - DESCENT TRAJECTORIES
    - FLIGHT PATHS
    - IMPACT PREDICTION
    - PARABOLIC FLIGHT
    - REENTRY TRAJECTORIES
    - SPINNING UNGUIDED ROCKET TRAJECTORY
    - UNDERWATER TRAJECTORIES

**MISSILE VIBRATION**
- GS VIBRATION
  - STRUCTURAL VIBRATION
  - MISSILE VIBRATION
  - RT VIBRATION
    - BENDING VIBRATION
    - BREATHING VIBRATION
    - FLIGHT VIBRATION
    - LINEAR VIBRATION
    - RANDOM VIBRATION
    - SELF INDUCED VIBRATION
    - SUPERSONIC FLIGHT
    - TORSIONAL VIBRATION
    - TRANSONIC FLIGHT

**MISSILES**
- GS MISSILES
  - AIR SLEW MISSILES
  - AIR TO AIR MISSILES
  - AIRCRAFT MISSILES
  - AUTOPILOT MISSILES
  - FALCON MISSILE
  - MATRA MISSILE
  - MICRONIKE MISSILES
  - SPARRROW MISSILES
  - SPARRROW 2 MISSILE
  - SPARRROW 3 MISSILE
  - AIR TO SURFACE MISSILES
  - BULLPUP MISSILES
  - BURTON MISSILES
  - CONDOR MISSILE
  - HARPOON MISSILE
  - HOUND DOG MISSILE
  - MAVENICK MISSILES
  - MAULER MISSILE
  - QUAIL MISSILE
  - SHAIK MISSILE
  - ANTIARTILLERY MISSILES
  - ANTIAIRCRAFT MISSILES
  - BOMARC MISSILES
  - FALCON MISSILE
  - MAVERICK MISSILE
  - NIKE-AJAX MISSILE

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MOIRE EFFECTS-CONT.
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FRINGE MULTIPLICATION
INTERFERENCE GRATINGS
MOIRE EFFECTS
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MOISTURE METERS
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MOISTURE RESISTANCE
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COATINGS
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HYDROPHILICITY
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GS
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IGNeous ROCKS
OBESIDAN
MOLDAVITE
RT
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CASTING
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MATERIALS
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ASPERGillus
CASTING
CASTINGS
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ENERGY ABSORPTION
MOLECULAR ABSORPTION
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ATOMIC ABSORPTION
BEER LAW
ELECTROMAGNETIC ABSORPTION
LIGHT TRANSMISSION

MOLECULAR BEAM EPI TaXY
GS
GROWTH
CRYSTAL GROWTH
EPI TaXY
MOLECULAR BEAM EPI TaXY

MOLECULAR BEAMS
GS
BEAMS (RADIATION)
PARTICLE BEAMS
NEUTRAL BEAMS
MOLECULAR BEAMS
RT
ATOMIC BEAMS
ATOMIC CLOCKS
FREE MOLECULAR FLOW
ION BEAMS
MOLECULES
RAREFIED GAS DYNAMICS

MOLECULAR BIOLOGY
GS
LIFE SCIENCES
MOLECULAR BIOLOGY
RT
BIOCHEMISTRY
PHYSIOCHEMISTRY

MOLECULAR BONDS
USE
CHEMICAL BONDS

MOLECULAR CHAINS
RT
CHAINS
CRYSTAL LATTICES
MONO MERS

MOLECULAR CLOUDS
GS
CLOUDS
MOLECULAR CLOUDS

MOLECULAR CLOUDS-CONT.
RT
ASTRONOMICAL MODELS
COSMIC DUST
HYDROGEN CLOUDS
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MOLECULAR COLLISIONS
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PARTICLE INTERACTIONS

MOLECULAR DISASSOCIATION
USE
DISSOCIATION

MOLECULAR ELECTRONS
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ELECTROPHYSICS
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DTL INTEGRATED CIRCUITS
ELECTRONICS
INTEGRATED CIRCUITS
LINEAR INTEGRATED CIRCUITS
MICROELECTRONICS
MICROMINIATURIZATION
MINIATURE ELECTRONIC EQUIPMENT
MONOMOLECULAR FILMS
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SEMICONDUCTOR DEVICES
THIN FILMS
TTL INTEGRATED CIRCUITS

MOLECULAR ENERGY LEVELS
GS
LEVEL (QUANTITY)
ENERGY LEVELS
MOLECULAR ENERGY LEVELS
INTERMOLECULAR FORCES
RT
CHEMICAL ENERGY
ENERGY OF FORMATION
EXCITATION
FREE ENERGY
HEAT OF SOLUTION
INTERNAL ENERGY
NUCLEAR ENERGY

MOLECULAR EXCITATION
GS
EXCITATION
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RT
ATOMIC EXCITATIONS
ENERGY LEVELS
IONIZATION
PARTICLE COLLISIONS

MOLECULAR FLOW
SN
FLOW WITH KNUDSEN NUMBERS
GREATER THAN 0.01-FOR SPECIFIC FLOWS IN THIS RANGE USE NARROWER TERMS-FOR DUCTED FLOW USE KNUDSEN FLOW
GS
FLUID FLOW
MOLECULAR FLOW
SLIP FLOW
TRANSPORT FLOW
RT
BOUNDARY LAYER TRANSITION
CONTINUUM FLOW
KNUDSEN FLOW
LOW DENSITY FLOW
RAREFIED GAS DYNAMICS
TRANSPORTATION

MOLECULAR GASES
GS
GASES
# NASA Thesaurus (Volume 1)

## National Airspace Utilization System

- Air Law
- Air Navigation
- Air Traffic
- Aircraft Approach/Spacing
- Airspace
- Collision Avoidance
- Flight Plans
- Flight Rules
  - Traffic Control

## National Aviation System

- Air Traffic
  - Traffic Control
  - Transportation
  - Aircraft Approach/Spacing
  - Flight Rules
  - Landing Aids
  - Traffic Control

## National Launch Vehicle Program

- Programs
  - Programs
  - National Launch Vehicle Program
- Launch Vehicles
- Launches
- Launching Sites
  - Space Programs

## National Oceanic Satellite System

- Artificial Satellites
- Earth Satellites
- Maritime Satellites
  - Satellites

## National Operational Environmental SAT Sys

- Use NOESS

## National Parks

- Land
  - Parks
  - National Parks
    - Yellowstone National Park (ID-MT-WY)

## National Severe Storms Project

- Meteorology
  -ornadoes
  - Warning Systems

## Nations

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## Natural Lasers

- Use LASERS
### NATURAL SATELLITES

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### NAVIGATION AIDS

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### NAVIGATION

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**Note:** The text is a condensed list of terms related to navigation, satellites, and aerospace technology. Each term is a link to more detailed information within the NASA Thesaurus (Volume 1) database.
NEGATRONS

NEGATIVE RESISTANCE DEVICES (CONT.)
GUNN Diodes
GUNN EFFECT
MIM Diodes
NEGATRONS
PARAMETRIC AMPLIFIERS
RAMSAUER EFFECT

NEGATRONS
GS PARTICLES
- CHARGED PARTICLES
- ENERGETIC PARTICLES
- ELECTRONS
- NEGATRONS
RT NEGATIVE RESISTANCE DEVICES

NEMBUTAL (TRADEMARK)
GS ALIPHATIC COMPOUNDS
- KETONES
- NEMBUTAL (TRADEMARK)
- PHOSPHATES
- NEMBUTAL (TRADEMARK)
- SODIUM COMPOUNDS
- NEMBUTAL (TRADEMARK)
RT PENTOBARBITAL SODIUM

NEODYMIUM
GS CHEMICAL ELEMENTS
- RARE EARTH ELEMENTS
- NEODYMIUM METALS
- RARE EARTH ELEMENTS
- NEODYMIUM

NEODYMIUM ALLOYS
GS ALLOYS
- RARE EARTH ALLOYS
- NEODYMIUM ALLOYS

NEODYMIUM COMPOUNDS
GS RARE EARTH COMPOUNDS
- NEODYMIUM COMPOUNDS
RT = METAL COMPOUNDS

NEODYMIUM ISOTOPES
GS CHEMICAL ELEMENTS
- NUCLIDES
- ISOTOPES
- NEODYMIUM ISOTOPES
- RARE EARTH ELEMENTS
- NEODYMIUM ISOTOPES
- RARE EARTH ELEMENTS
- NEODYMIUM ISOTOPES

NEODYMIUM LASERS
GS STIMULATED EMISSION DEVICES
- LASERS
- NEODYMIUM LASERS
RT COHERENT LIGHT
GLASS LASERS
OPTICAL PUMPING
RARE EARTH ELEMENTS

NEON
GS CHEMICAL ELEMENTS
- RARE GASES
- NEON
- LIQUID NEON
- NEON ISOTOPES
GASES
- RARE GASES
- NEON
- LIQUID NEON
- NEON ISOTOPES

NEON ISOTOPES
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GS CHEMICAL ELEMENTS
- NUCLIDES
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- RARE GASES
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GASES
- RARE GASES
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NEON 19
USE NEON ISOTOPES

NEONpentane
GS ALIPHATIC COMPOUNDS
- ALKANES
- PENTANES
- NEOPENTANE
- HYDROCARBONS
- ALKANES
- PENTANES
- NEOPENTANE

NEOPLASMS
GS DISEASES
- TUMORS
- NEOPLASMS
- CANCER
- LEUKEMIAS
RT CARCINOID CYSTS

NEORENDS
USE CHLOROPRENE RESINS

NEPHERINE
GS ALUMINUM COMPOUNDS
- NEPHERINE
- MINERALS
- NEPHERINE
- POTASSIUM COMPOUNDS
- NEPHERINE
- SILICATES
- NEPHERINE
- NAPHTHALENE
- NAPHTHALENE
- SODIUM COMPOUNDS
RT NAPHTHALENE

NEPHERITE
GS ALUMINUM COMPOUNDS
- NEPHERITE
- CHALCOGENIDES
- OXIDES
- SILICON OXIDES
- NEPHERITE
- MINERALS
- NEPHERITE
- SILICON COMPOUNDS
- SILICON OXIDES
RT NEPHERITE

NEPHEROMETERS
GS MEASURING INSTRUMENTS
- OPTICAL MEASURING INSTRUMENTS
- NAPHTHALENE
- OPTICAL INSTRUMENTS
- OPTICAL MEASURING INSTRUMENTS
- NAPHTHALENE
RT NAPHTHALENE
OPTICAL MEASUREMENT
PHOTOMETERS

NEPHRITIS
GS DISEASES
- KIDNEY DISEASES
- NEPHRITIS

NEPTUNE (PLANET)
GS CELESTIAL BODIES
- PLANETS

NEPTUNIUM
GS CHEMICAL ELEMENTS
- ACTINIDE SERIES
- TRANSURANIUM ELEMENTS
- NEPTUNIUM
- NEPTUNIUM ISOTOPES
- NUCLIDES
- ISOTOPES
- RADIOACTIVE ISOTOPES
- TRANSURANIUM ELEMENTS
- NEPTUNIUM ISOTOPES
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NEPTUNIUM COMPOUNDS
GS ACTINIDE SERIES COMPOUNDS
- NEPTUNIUM COMPOUNDS
RT = METAL COMPOUNDS

NEPTUNIUM ISOTOPES
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NERNS GENERATORS
USE THERMOMAGNETIC COOLING

NERNS HEAT THEOREM
USE NERNST-ETTINGHAUSEN EFFECT

NERNS-ETTINGHAUSEN EFFECT
UF NERNST HEAT THEOREM
GS GALVANOMAGNETIC EFFECTS
RT NERNST-ETTINGHAUSEN EFFECT
TEMPERATURE EFFECTS
THERMOMAGNETIC EFFECTS

NERVA (ENGINE)
USE NUCLEAR ENGINE FOR ROCKET VEHICLES

NERSV
GS NERVOUS SYSTEM
- GANGLIA
- NERVES
- CAROTID SINUS BODY
- CAROTID SINUS REFLEX
NICKEL ZINC BATTERIES

NICKEL STEELS—(CONT.)
RT STAINLESS STEELS

NICKEL ZINC BATTERIES
UF ZINC NICKEL BATTERIES
GS ELECTRIC GENERATORS
DIRECT POWER GENERATORS
PRIMARY BATTERIES
DRIED CELLS
NICKEL ZINC BATTERIES
ELECTROCHEMICAL CELLS
ELECTRIC BATTERIES
PRIMARY BATTERIES
DRIED CELLS
NICKEL ZINC BATTERIES
STORAGE BATTERIES
NICKEL ZINC BATTERIES
RT NICKEL-IRON BATTERIES

NICKEL-IRON BATTERIES
GS ELECTROCHEMICAL CELLS
ELECTRIC BATTERIES
NICKEL-IRON BATTERIES
STORAGE BATTERIES

NICOTINAMIDE
GS HETEROCYCLIC COMPOUNDS
ALKALOIDS
NICOTINAMIDE
NITROGEN COMPOUNDS
ALKALOIDS
NICOTINAMIDE
AMIDES
NICOTINAMIDE
VITAMINS
NICOTINAMIDE

NICOTINE
GS HETEROCYCLIC COMPOUNDS
ALKALOIDS
NICOTINE NITROGEN COMPOUNDS
ALKALOIDS
NICOTINE
RT TOBACCO

NICOTINIC ACID
GS HETEROCYCLIC COMPOUNDS
NICOTINIC ACID
PYRIDINES
NICOTINIC ACID
VITAMINS
NICOTINIC ACID

NIGELLA
GS PLANTS (BOTANY)
NIGELLA
RT BOTANY

NIGER
RT AFRICA
NATIONS

NIGERIA
RT AFRICA
NATIONS

NIGHT
RT DARKENING
DARKNESS
DARK TIME
DIURNAL VARIATIONS
EVENING
SHADOWS
SKY BRIGHTNESS
TWILIGHT GLOW

NIGHT AIRGLOW
USE NIGHTGLow

NIGHT E LAYER
USE EASTERN SKY
NIGHT SKY

NIGHT F LAYER
USE F REGION
NIGHT SKY

NIGHT FLIGHTS (AIRCRAFT)
RT APPROACH CONTROL
BLIND LANDING

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DAYLIGHT
FLIGHT INSTRUMENTS
INSTRUMENT APPROACH
INSTRUMENT LANDING SYSTEMS
NORTH-EASTERN NAVIGATION
RADAR
RADAR BEACONS
VISIBILITY

NIGHT SKY
UF NIGHT E LAYER
NIGHT F LAYER
GS SKY
NIGHT SKY
RT AIRGLOW
AURORAS
GEGENSCHEN
NIGHTGLOW
SKY BRIGHTNESS
TWILIGHT GLOW
ZODIACAL LIGHT

NIGHT VISION
GS VISION
RT DARK ADAPTATION
IMAGE INTENSIFIERS
LIGHT ADAPTATION
MICROCHANNELS
NORTH-EASTERN NAVIGATION

NIGHTGLOW
UR NIGHT AIRGLOW
GS ATMOSPHERIC RADIATION
SKY RADIATION
AIRGLOW
... NIGHTGLOW
ELECTROMAGNETIC RADIATION
LIGHT (VISIBLE RADIATION)
SKY RADIATION
AIRGLOW
... NIGHTGLOW
RT BIOMEDICAL
MICROWAVE EQUIPMENT
SKY BRIGHTNESS

NIGOTRONS
GS ELECTRON TUBES
VACUUM TUBES
VACUUM TUBE OSCILLATORS
MICROWAVE TUBES
... MAGNETRONS
... NIGOTRONS
MICROWAVE EQUIPMENT
MICROWAVE TUBES
... MAGNETRONS
... NIGOTRONS
OSCILLATORS
VACUUM TUBE OSCILLATORS
MICROWAVE TUBES
... MAGNETRONS
... NIGOTRONS

NIHON AIRCRAFT
UF HMC AIRCRAFT
NATIONAL AIRCRAFT
Y-5-11 AIRCRAFT
RT AIRCRAFT

NIHON YS-11 AIRCRAFT
USE Y-5-11 AIRCRAFT

NIKE BOOSTER ROCKET ENGINES
GS ENGINES
ROCKET ENGINES
BOOSTER ROCKET ENGINES
NIKE BOOSTER ROCKET ENGINES
SOLID PROPELLANT ROCKET ENGINES
... NIKE BOOSTER ROCKET ENGINES
RT = NIKE ROCKETS

NIKE MISSILES
GS MISSILES
SURFACE TO AIR MISSILES
... NIKE MISSILES
... NIKE-JAX MISSILE
... NIKE-HERCULES MISSILE
... NIKE-ZEUS MISSILE
RT ANTIARMAMENT MISSILES
ANTI-MISSILE MISSILES
NIKE ROCKETS
SENTINEL SYSTEM

NIKE PROJECT
GS PROGRAMS
PROJECTS
... NIKE PROJECT
RT = NIKE ROCKETS

NIKE ROCKET VEHICLES
GS ROCKET VEHICLES
MULTISTAGE ROCKET VEHICLES
... NIKE MISSILES
... NIKE-ASP ROCKET VEHICLE
... NIKE-JAX MISSILE
... NIKE-HYDAC MISSILE
... NIKE-HYDAC ROCKET VEHICLE
... NIKE-HYDAC MISSILE
... NIKE-HYDAC ROCKETS
RT = NIKE ROCKETS

NIKE ROCKETS
SM USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW
RT NIKE BOOSTER ROCKET ENGINES
NIKE MISSILES
NIKE PROJECT
NIKE ROCKETS

NIKE X SYSTEMS
GS WEAPON SYSTEMS
ROCKET VEHICLES
SURFACE TO AIR MISSILES
... NIKE ROCKETS
... NIKE-JAX MISSILE
... NIKE-JAX MISSILE
RT ARGO D-4 ROCKETS
ARGO 0.5 ROCKETS
EXOS SOUNDING ROCKETS
JASON ROCKET
LIQUID PROPELLANT ROCKET ENGINES
SOLID PROPELLANT ROCKET ENGINES
STRONG ARM ROCKET VEHICLE
TRAILBLAZER 1 REENTRY VEHICLE

NIKE-APACHE ROCKET VEHICLE
GS ROCKET VEHICLES
MULTISTAGE ROCKET VEHICLES
... NIKE MISSILES
... NIKE-JAX MISSILE
... NIKE-JAX MISSILE
RT ARGO D-4 ROCKETS
ARGO 0.5 ROCKETS
EXOS SOUNDING ROCKETS
JASON ROCKET
LIQUID PROPELLANT ROCKET ENGINES
SOLID PROPELLANT ROCKET ENGINES

NIKE-ASP ROCKET
USE ASP ROCKET VEHICLE

NIKE-ASP ROCKET VEHICLE
GS ROCKET VEHICLES
MULTISTAGE ROCKETS
... NIKE MISSILES
... NIKE-ASP ROCKET VEHICLE
RT SOLID PROPELLANT ROCKETS
SOUNDING ROCKETS

NIKE-CAJUN ROCKET VEHICLE
GS ROCKET VEHICLES
MULTISTAGE ROCKETS
... NIKE MISSILES
... NIKE-CAJUN MISSILE
RT NIKE VEHICLES

NIKE-HERCULES MISSILE
GS MISSILES
... NIKE JAX MISSILE
... NIKE HERCULES MISSILE
RT SOLID PROPELLANT ROCKET ENGINES

NIKE-HYDAC ROCKET VEHICLE
GS ROCKET VEHICLES
MULTISTAGE ROCKETS
... NIKE MISSILES
... NIKE-HYDAC ROCKET VEHICLE
... NIKE-HYDAC MISSILE
RT = NIKE ROCKETS

RT = NASA THESAURUS (VOLUME 1)
NIKE-IROQUOIS ROCKET VEHICLE
GS ROCKET VEHICLES
. . MULTISTAGE ROCKET VEHICLES
. . . NIKE ROCKET VEHICLES
RT = VEHICLES

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GS ROCKET VEHICLES
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RT SOLID PROPELLANT ROCKET ENGINES
SOUNDING ROCKETS

NIKE-TOMAHAWK ROCKET VEHICLE
GS ROCKET VEHICLES
. . . NIKE ROCKET VEHICLES
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NIKE-ZEUS MISSILE
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SPRINT MISSILE
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NIMROD ACCELERATOR
GS PARTICLE ACCELERATORS
RT NIMROD ACCELERATOR

NIOBATES
GS NIOBIUM COMPOUNDS
. . . NIOBATES
. . . CALCIUM NIOBATES
RT EICKENITE
OXIDES
= OXYGEN COMPOUNDS

NIOBIUM
UF COLUMBIUM
GS CHEMICAL ELEMENTS
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. . . NIOBIUM ISOTOPES
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GS CARBON COMPOUNDS
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NIOBIUM COMPOUNDS
GS NIOBIUM COMPOUNDS
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. . . NIOBIUM STANNIDES
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NIOBIUM IODIDES
GS HALOGEN COMPOUNDS
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**NOTATION**

**NOTCH TESTS**

**NOTCH SENSITIVITY**

**NOTCH STRENGTH**
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NOTCH TESTS-(CONT.)
STRESS CONCENTRATION
= TESTS

NOTCHED METALS
USE NOTCH TESTS

NOTCHES
RT PASSAGEWAYS
= NOSES

NOVA
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED-CONSULT THE TERMS
LISTED BELOW)
RT NOVA LAUNCH VEHICLES
NOVAE

NOVA H LAUNCH VEHICLE
GS LAUNCH VEHICLES
. NOVA LAUNCH VEHICLES
. NOVA SATELLITE VEHICLE
ROCKET VEHICLES
. MULTISTAGE ROCKET VEHICLES
. NOVA LAUNCH VEHICLES
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NOVA J LAUNCH VEHICLE
GS LAUNCH VEHICLES
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ROCKET VEHICLES
. MULTISTAGE ROCKET VEHICLES
. NOVA LAUNCH VEHICLES
. NOVA J LAUNCH VEHICLE

NOVA LASER SYSTEM
GS STIMULATED EMISSION DEVICES
. LASERS
. . HIGH POWER LASERS
. NOVA LASER SYSTEM
RT LASER FUSION
LASER OUTPUTS
SHIVA LASER SYSTEM
= SYSTEMS

NOVA LAUNCH VEHICLES
GS LAUNCH VEHICLES
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RT F-1 ROCKET ENGINE
J-2 ENGINE
LIQUID PROPELLANT ROCKET ENGINES
M-1 ENGINE
NOVA

NOVA SATELLITE
GS SATELLITES
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CONTROL)

NOVAE
GS CELESTIAL BODIES
. STARS
. VARIABLE STARS
. NOVAE
. DWARF NOVAE
. HERCULES NOVAE
RT = NOVA
SHOCK WAVES
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Adjacent terms and concepts are listed below.
NASA THESAURUS (VOLUME 1)

OCTANES
SN (ACYCLIC HYDROCARBONS)
GS ALIPHATIC COMPOUNDS
. ALKANES
. OCTANES
. HYDROCARBONS
. ALKANES
. OCTANES
RT ANTIKNOCK ADDITIVES

OCTAVES
GS RANGE (EXTREMES)
. FREQUENCY RANGES
. OCTAVES
RT ACoustics
MUStIC

OCTETS
GS VALENCE
. OCTETS
RT GRAVITATIONAL RECEPTORS

OCTOL (EXPLOSIVE)
GS EXPLOSIVES
. ALIPHATIC COMPOUNDS

OCTOATES
GS ALIPHATIC COMPOUNDS
. OCTOATES
. ESTERS
. OCTOATES

ODD-EVEN NUCLEI
GS GASSES
. IONIZED GASSES
. CHARGED PARTICLES
. NUCLEI (NUCLEAR PHYSICS)
. OCTOATES
. EVEN-EVEN NUCLEI
. ODD-ODD NUCLEI

ODD-ODD NUCLEI
GS GASSES
. IONIZED GASSES
. CHARGED PARTICLES
. NUCLEI (NUCLEAR PHYSICS)
. OCTOATES
. EVEN-EVEN NUCLEI
NUCLEAR STRUCTURE
NUCLEI
ODD-ODD NUCLEI

ODESSA METEORITE
GS CELESTIAL BODIES
. OCTOATES

ODOESSE METERORITE-(CONT.)
. METEORITES
. IRON METEORITES
. ODESSA METEORITE

ODORS
RT AIR POLLUTION
COMBUSTION PRODUCTS
EXHAUST GASES

OFF-ON CONTROL
UF BANG-BANG CONTROL
GS AUTOMATIC CONTROL
. OFF-ON CONTROL
RT CONTROL EQUIPMENT
CONTROL THEORY
PROPORTIONAL CONTROL
SERVOCONTROL
SOLENOID VALVES

OFFGASSING
RT DEGASSING
VACUUM

OFFICE OF SPACE & TERRESTRIAL APPLICATIONS
PAYLOADS
USE OSTA-1 PAYLOAD

OFFSHORE DOCKING
RT ARTIFICIAL HARBORS
CARGO SHIPS
DEEPWATER TERMINALS
MARINE TECHNOLOGY
MARINE TRANSPORTATION
OCEANOGRAPHY
SHIP TERMINALS
TANKER SHIPS
TANKER TERMINALS

OFFSHORE ENERGY SOURCES
RT CRUDE OIL
DEEPWATER TERMINALS
DRILLING
ENERGY TECHNOLOGY
MARINE TECHNOLOGY
OCEANOGRAPHY
OIL EXPLORATION
OIL FIELDS
SEA BREEZE
SEEPEAGE

OFFSHORE PLATFORMS
RT ARTIFICIAL HARBORS
CARGO SHIPS
DEEPWATER TERMINALS
MARINE TECHNOLOGY
OCEANOGRAPHY
PLATFOWMS
TANKER TERMINALS
TANKER TERMINALS
TANKERS

OFFSHORE REACTOR SITES
GS SITES
OFFSHORE REACTOR SITES
RT REACTOR DESIGN
REACTOR SAFETY
REACTOR TECHNOLOGY
REMOTE REGIONS

OFFT
USE SPACE TRANSPORTATION SYSTEM 1

OFG 4
USE SPACE TRANSPORTATION SYSTEM 4

OGEE SHAPE
GS SHAPES
. OGG-E SHAPE
RT VARIABLE SWEEP WINGS

OGEE WINGS
USE VARIABLE SWEEP WINGS

OIVIES
RT BODIES OF REVOLUTION
ELIPSOIDS
FAIRINGS
NOSE CONES
SPHERES

OCTAVES
GS CELESTIAL BODIES
. OCTOATES

503
ORIFICES

ORIFICE FLOW (CONT.)

ORIFICES

RT ANNUAL DUCTS

APERTURES

CAVITIES

CHOKE (FUEL SYSTEMS)

CHOKES (RESTRICTIONS)

DUCTS

FLOW MEASUREMENT

FLOWMETERS

GAPS

INJECTORS

NOZZLES

OPENINGS

OPERATIONS

ORIFICE FLOW

PORTS (OPENINGS)

SPRAY NOZZLES

THROATS

VENTURI TUBES

ORIGENS

(OFF OF A MORE SPECIFIC TERM IS

RECOMMENDED-CONSULT TERMS

LISTED BELOW)

RT CAUSES

COORDINATES

DERIVATION

GRAPHS (CHARTS)

ORION (RADIO INTERFEROMETRY NETWORK)

RT RADIO INTERFEROMETERS

RECEIVERS

TRACKING NETWORKS

ORION AIRCRAFT

USE P-3 AIRCRAFT

ORION CONSTELLATION

GS CONSTELLATIONS

. ORION CONSTELLATION

RT OPIK THEORY

POLUX STAR

SIGMA ORIONIS

ORION NEBULA

GS CELESTIAL BODIES

. NEBULAE

. ORION NEBULA

RT ASTROPHYSICS

CASSIOPEIA A

CRAB NEBULA

GALAXIES

GUM NEBULA

INTERSTELLAR GAS

INTERSTELLAR MATTER

MAGNIFICENT CLOUDS

MILKY WAY GALAXY

OPIK THEORY

PLANETARY NEBULAE

STELLAR CORONAS

SUPERNOVAE

ORIONID METEOROIDS

GS CELESTIAL BODIES

. METEOROID SHOWERS

. ORIONID METEOROIDS

. METEORIDS

. ORIONID METEOROIDS

RT AQUARIID METEOROIDS

ORLUCZ SPACE

RT SET THEORY

ORNITHOPTER AIRCRAFT

USE RESEARCH AIRCRAFT

ORNSTEIN-UHLENBECK PROCESS

RT = PROCESSES

OROGRAPHIC CLOUDS

USE CAP CLOUDS

ORTHOGRAPHY

GS GEOGRAPHY

. OROGRAPHY

GEODESY

. OROGRAPHY

RT ADIRONDACK MOUNTAINS (NY)

CONES (VOLCANOES)

GEOMORPHOLOGY

ISOTASEY

MARS VOLCANOES

MOUNTAINS

PEAKS (LANDFORMS)

VOLCANOES

VOLCANOLOGY

WIND RIVER RANGE (WY)

WRANGLE MOUNTAINS (AK)

ORR-SOMMERFELD EQUATIONS

RT FLOW DISTORTION

FLOW STABILITY

FLOW THEORY

QUANTUM MECHANICS

VELOCITY DISTRIBUTION

ORRERIES

USE ASTRONOMICAL MODELS

ORTHICONS

GS ELECTRON TUBES

. CAMERA TUBES

. . ORTHICONS

. . . IMAGE ORTHICONS

MICROWAVE EQUIPMENT

MICROWAVE TUBES

. ORTHICONS

. IMAGE ORTHICONS

IMAGE INTENSIFIERS

PHOTOCATHODES

TELEVISION CAMERAS

TELEVISION EQUIPMENT

ORTHODOHYDROGEN

GS CHEMICAL ELEMENTS

. HYDROGEN

. ORTHO HYDROGEN

GASES

HYDROGEN

. ORTHO HYDROGEN

ORTHOPARA CONVERSION

GS ISOMERIZATION

. ORTHO PARA CONVERSION

RT PARA HYDROGEN

ORTHOGONAL FUNCTIONS

GS ANALYSIS (MATHEMATICS)

. COMPLEX VARIABLES

. ORTHOGONAL FUNCTIONS

FUNCTIONS (MATHEMATICS)

. ORTHOGONAL FUNCTIONS

. WALSH FUNCTION

RT . . BESSEL FUNCTIONS

FUNCTION SPACE

HANKEL FUNCTIONS

HYPERBOLIC FUNCTIONS

LAGUERRE FUNCTIONS

LEGENDRE FUNCTIONS

LINEAR TRANSFORMATIONS

MATHIEU FUNCTION

ORTHOGONALITY

ORTHORATIONALITY

ORTHORATIONAL FUNCTIONS

QUALITY CONTROL

ORTHOGONAL MULTIPLEXING THEORY

RT PULSE COMMUNICATION

. SIGNAL TRANSMISSION

. THEORIES

WAVE INTERACTION

WAVELENGTH DIVISION MULTIPLEXING

ORTHORADIALITY

UF KRONICKER PRODUCT

GS MOMENTS

DISTRIBUTION MOMENTS

. ORTHORADIALITY

RT COVARIANCE

EXPERIMENTAL DESIGN

FACTOR ANALYSIS

ORTHORATIONAL FUNCTIONS

QUALITY CONTROL

ORTHOGRAPHY

GS LANGUAGES

. ORTOGRAPHY

HANDWRITING

INTELLIGIBILITY

LINGUISTICS

SEMANTICS

SYNTAX

WORDS (LANGUAGE)

ORTHORADIALITY

GS FUNCTIONS (MATHEMATICS)

. ORTHORADIALITY

FUNCTIONS

RT ORTHOGONAL FUNCTIONS

ORTHOPEDICS

GS MEDICAL SCIENCE

. ORTHOPEDICS

ORTHOPHOTOGRAPHY

GS PHOTOGRAPHY

. ORTHOPHOTOGRAPHY

RT AERIAL PHOTOGRAPHY

COLOR PHOTOGRAPHY

MAPPING

ORTHOSTATIC TOLERANCE

RT BED REST

BLOOD PRESSURE

HUMAN TOLERANCES

LOWER BODY NEGATIVE PRESSURE

POSTURE

TOLERANCES (PHYSIOLOGY)

ORTHOTROPIC CYLINDERS

RT CYLINDERS

CYLINDRICAL BODIES

CYLINDRICAL SHELLS

ROCKET ENGINE CASES

ORTHOTROPIC PLATES

GS STRUCTURAL MEMBERS

. PLATES (STRUCTURAL MEMBERS)

. . ORTHOTROPIC PLATES

ORTHOTROPIC SHELLS

GS SHELLS (STRUCTURAL FORMS)

. ORTHOTROPIC SHELLS

RT CYLINDRICAL SHELLS

METAL SHELLS

REINFORCED SHELLS

SHELL STABILITY

THIN WALLED SHELLS

ORTHOTROPISM

RT PLATES (STRUCTURAL MEMBERS)

OSCILLATING CYLINDERS

RT CYLINDERS

CYLINDRICAL BODIES

CYLINDRICAL SHELLS

OSCILLATIONS

VIBRATION

OSCILLATING FLOW

GS FLUID FLOW

. UNSTEADY FLOW

. OSCILLATING FLOW

RT BUFFETING

COMPRESSIBILITY EFFECTS

FLOW DISTORTION

NONEQUILIBRIUM FLOW

SMALL PERTURBATION FLOW

STROUHAL NUMBER

OSCILLATION DAMPERS

RT ASSOURIERS

. DAMPERS

MAXWELL BODIES

NONOSCILLATORY ACTION

NOSTABILIZED OSCILLATION

NUTATION DAMPERS

SPRINGS (ELASTIC)

VIBRATION ISOLATORS

OSCILLATIONS

GS PHUGOD OSCILLATIONS

GS OSCILLATIONS

. ELECTRON OSCILLATIONS

. HARMONIC OSCILLATION

HYDROFOIL OSCILLATIONS

MOLECULAR OSCILLATIONS

NONOSCILLATORY ACTION

NOSTABILIZED OSCILLATION

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OV-10 AIRCRAFT

OV-4 SATELLITES-(CONT.)
  . ARTIFICIAL SATELLITES
  . OV-4 SATELLITES
  . EARTH SATELLITES
  . OV-4 SATELLITES

OV-10 AIRCRAFT
  LF NA-200 AIRCRAFT
  GS ATTACK AIRCRAFT
  RT OV-10 AIRCRAFT
  COIN AIRCRAFT
  OV-10 AIRCRAFT
  JET AIRCRAFT
  . TURBOPROP AIRCRAFT
  . OV-10 AIRCRAFT
  . MONoplanes
  . OV-10 AIRCRAFT
  . NORTH AMERICAN AIRCRAFT
  . OV-10 AIRCRAFT
  OBSERVATION AIRCRAFT
  . OV-10 AIRCRAFT
  . RECONNAISSANCE AIRCRAFT
  . OV-10 AIRCRAFT

OVARIES
  GS ANATOMY
  . GENITOURINARY SYSTEM
  . OVARIES
  . GLANDS (ANATOMY)
  . ENDOCRINE GLANDS
  . OVARIES
  . SEX GLANDS
  . OVARIES
  . ORGANS
  . OVARIES
  . REPRODUCTIVE SYSTEMS
  . OVARIES
  . VISCERA
  . ENDOCRINE GLANDS
  . OVARIES
  . ORGANS
  . OVARIES
  . SEX GLANDS
  . OVARIES
  RT EGS MENSTRUATION

OVENS
  GS HEATING EQUIPMENT
  . OVENS
  RT BAKING
  . DRY HEAT
  . FURNACES
  . WASTE ENERGY UTILIZATION

OVER-THE-HORIZON RADAR
  GS RADAR
  . SEARCH RADAR
  . OVER-THE-HORIZON RADAR
  RT EARLY WARNING SYSTEMS
  . MOVING TARGET INDICATORS
  . OPTICAL RADAR
  . RADAR DETECTION
  . RADAR RANGE

OVERCAST
  USE CLOUD COVER

OVERCOMPRESSION
  USE OVERCONSOLIDATION

OVERCONSOLIDATION
  LF OVERCOMPRESSION
  RT CONSOLIDATION
  FOUNDATIONS

OVERHAUSER EFFECT
  RT EFFECTS
  . MAGNETIC RESONANCE
  . NUCLEAR SPIN
  . POLARIZATION
  . RESONANCE

OVERPRESSURE
  GS PRESSURE
  . OVERPRESSURE
  RT BLAST LOADS
  . DYNAMIC PRESSURE

OVERTONES
  USE HARMONICS

OVERVOLTAGE
  RT CIRCUIT PROTECTION

OVERVOLTAGE-(CONT.)
  DECOMPOSITION
  . ELECTRIC POTENTIAL
  . ELECTRON COUNTERS
  . OPEN CIRCUIT VOLTAGE
  . POLARIZATION (CHANGE SEPARATION)
  . SURGES

OXALATES
  GS OXALATES
  RT COBALT OXALATES
  . OXALIC ACID
  . OXYGEN COMPOUNDS

OXALIC ACID
  GS ALIPHATIC COMPOUNDS
  RT OXALATES

OXAMIC ACIDS
  GS ALIPHATIC COMPOUNDS
  . OXAMIC ACIDS
  . NITROGEN COMPOUNDS
  . AMIDES
  . OXAMIC ACIDS

OXAZOLE
  GS HETEROCYCLIC COMPOUNDS
  . ACIDES
  . OXAZOLE

OXIDASE
  GS ACIDS
  . ENZYMES
  . OXIDASE
  . ORGANIC COMPOUNDS
  . OXIDASE PROTEINS
  . OXIDASE

OXIDATION
  GS CHEMICAL REACTIONS
  . OXIDATION
  . ELECTROCHEMICAL OXIDATION
  . PHOTOOXIDATION
  . RUSTING
  . RT ASSOCIATION REACTIONS
  . CHARRING
  . CHEMICAL ATTACK
  . COMBUSTION
  . CORROSION
  . DEGRADATION
  . DEHYDROGENATION
  . DOPA
  . ELECTRON TRANSFER
  . EPIDERMATION
  . EROSY BURNING
  . FUEL COMBUSTION
  . HOT CORROSION
  . HYDROCARBON COMBUSTION
  . METAL COMBUSTION
  . OXIDIZERS
  . OXYGENATION
  . PASSIVITY
  . REDUCTION (CHEMISTRY)
  . ROASTING
  . THERMAL RESISTANCE

OXIDATION RESISTANCE
  GS CORROSION RESISTANCE
  . OXIDATION RESISTANCE
  . PASSIVITY
  . RESISTANCE
  . RUSTING
  . SULFIDING
  . THERMAL RESISTANCE

OXIDATION-REDUCTION REACTIONS
  GS CHEMICAL REACTIONS
  . OXIDATION-REDUCTION REACTIONS
  . REDUCTION (CHEMISTRY)
  . RT ELECTROCHEMISTRY
  . REDUCTION (CHEMISTRY)

OXIDE FILMS
  RT CATHODIC COATINGS
  . FILMS
  . METAL OXIDES
  . METAL SURFACES
  . SURFACE LAYERS
  . THIN FILMS

OXIDES
  GS CHALCOGENIDES

OXIDES-(CONT.)
  . OXIDES
  . ANHYDROXIDES
  . PEROXIDES
  . INORGANIC PEROXIDES
  . ORGANIC PEROXIDES
  . SODIUM PEROXIDES
  . BORON OXIDES
  . BRUITE
  . CARBON MONOXIDE
  . CARBON SUBOXIDES
  . CHLORINE OXIDES
  . DIOXIDES
  . CARBON DIOXIDE
  . FLUT
  . HYDROGEN PEROXIDE
  . SILICON DIOXIDE
  . QUARTZ
  . GOCITE
  . SULFUR DIOXIDES
  . GERMANIUM OXIDES
  . HEAVY WATER
  . METAL OXIDES
  . ALKALINE EARTH OXIDES
  . BARIUM OXIDES
  . BERYLLIUM OXIDES
  . CALCIUM OXIDES
  . MAGNESIUM OXIDES
  . PERICLASE
  . ALUMINUM OXIDES
  . SAPPHIRE
  . BISMUTH OXIDES
  . CESIUM OXIDES
  . CHROMIUM OXIDES
  . CHROMITES
  . COBALT OXIDES
  . COPPER OXIDES
  . NAPHTHON OXIDES
  . IRON OXIDES
  . HEMATITE
  . ILMENITE
  . MAGNETITE
  . LANTHANUM OXIDES
  . LEAD OXIDES
  . LITHIUM OXIDES
  . MANGANESE OXIDES
  . HOPCALITE (TRADEMARK)
  . MOLYBDENUM OXIDES
  . NICKEL OXIDES
  . NIOBIUM OXIDES
  . PLATINUM OXIDES
  . PLUTONIUM OXIDES
  . POTASSIUM OXIDES
  . SCANDIUM OXIDES
  . SILVER OXIDES
  . SODIUM PEROXIDES
  . TANTALUM OXIDES
  . TITANIUM OXIDES
  . TUNGSTEN OXIDES
  . VERTELE
  . TUNGSTEN OXIDES
  . URANIUM OXIDES
  . VANADIUM OXIDES
  . YTTRIUM OXIDES
  . ZINC OXIDES
  . ZIRCONIA OXIDES
  . NITROX OXIDE
  . NITROGEN OXIDES
  . NITRIC OXIDE
  . NITROGEN TETROXIDE
  . NITROUS OXIDES
  . PHOSPHORUS OXIDES
  . PYROXENES
  . ENSTATITE
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RT INDONESIA INTERNATIONAL COOPERATION

PALEOBIOLOGY

RT BIOLOGY FOSSILS GEOCHEMISTRY GEOCHRONOLOGY PALEONTOLOGY

PALEOMAGNETISM

GS MAGNETIC FIELDS - PALEOMAGNETISM - MAGNETIC PROPERTIES - PALEOMAGNETISM - ARCHAEOMAGNETISM CONES (VOLCANOES) CONTINENTAL DRIFT GEOLOGY GEOMAGNETISM GEOPHYSICS MARS VOLCANOES REMANENCE ROCKS VOLCANOES VOLCANOLOGY

PALEONTOLOGY

RT FORMATIONS FOSSILS GEOCHEMISTRY GEOCHRONOLOGY GEOLOGICAL SURVEYS GEOLOGY HISTORIES PALEOBIOLOGY PRECAMBRIAN PERIOD STRATIGRAPHY

PALLADIUM

GS CHEMICAL ELEMENTS - PALLADIUM METALS - TRANSITION METALS - PALLADIUM

PALLADIUM ALLOYS

GS ALLOYS

PALATOM ATTACK (CONT.)

PALLADIUM ALLOYS (CONT.)

PALLADIUM COMPOUNDS

RT = CHEMICAL COMPOUNDS = COMPOUNDS METALS TRANSITION METALS

PALMAR SWEAT INDEX

RT PERSPIRATION = STRESS (PHYSIOLOGY) = STRESS (PSYCHIATRY)

PALMGRREN-MINER RULE

UF MINER RULE GS RULES = PALMGRREN-MINER RULE RT FATIGUE LIFE

PALMITIC ACID

GS ACIDS - FATTY ACIDS - PALMITIC ACID ALIPHATIC COMPOUNDS - FATTY ACIDS - PALMITIC ACID RT FATS

PALO VERDE VALLEY (CA)

GS VALLEYS - PALO VERDE VALLEY (CA) DESERTS

PAM (MODULATION)

USE PULSE AMPLITUDE MODULATION

PAMPAS

GS LAND - PLAINS - PAMPAS

PANAMA COUNTRY

RT CANALS - CENTRAL AMERICA NATIONS

PANAMA CANAL ZONE

GS LANDFORMS - PANAMA CANAL ZONE REGIONS - PANAMA CANAL ZONE - CARIBBEAN SEA - CENTRAL AMERICA - UNITED STATES OF AMERICA

PANAVIA MILITARY AIRCRAFT

RT AIRCRAFT = AIRCRAFT DESIGN = MILITARY AIRCRAFT VARIABLE SWEEP WINGS WEAPON SYSTEMS

PANCREAS

GS ANATOMY - GLANDS (ANATOMY) - ENDOCRINE GLANDS - PANCREAS DIGESTIVE SYSTEM - PANCREAS - ENDOCRINE GLANDS PANCREAS - DIABETES MELLITUS GASTROINTESTINAL SYSTEM TRYPsin

PANEL FLUTTER

GS VIBRATION - STRUCTURAL VIBRATION = FLUTTER = PANEL FLUTTER = SELF INDUCED VIBRATION PANEL FLUTTER RT AERODYNAMIC NOISE AEROELASTICITY BENDING VIBRATION

PANEL METHOD (FLUID DYNAMICS)

GS PROCEDURES = PANEL METHOD (FLUID DYNAMICS) RT BERNOULLI THEOREM BOUNDARY LAYERS COMPUTATIONAL FLUID DYNAMICS

PAPER (MATERIAL)

RT BOARDS (PAPER) = PRINTED SHEETS - CEILINGS (ARCHITECTURE) - CONSTRUCTION MATERIALS - DIVIDERS - PLATES - SHEETS SHIELDING - THIN PLATES - WALLS

PANIC

RT EMOTIONAL FACTORS = EMOTIONS FEAR - HUMAN BEHAVIOR

PANORAMIC CAMERAS

GS OPTICAL EQUIPMENT - CAMERAS - PANORAMIC CAMERAS - PHOTOGRAPHIC EQUIPMENT - CAMERAS - PANORAMIC CAMERAS - CAMERA SHUTTERS FOCUSING LENSES PHOTOGRAPHY WIDE ANGLE LENSES

PANORAMIC SCANNING

GS SCANNING - PANORAMIC SCANNING - CONICAL SCANNING FREQUENCY SCANNING - MULTISECTRAL BAND SCANNERS - RADAR SCANNING SCANNERS SEARCHING SURVEILLANCE

PANSPERMIA

RT ABOIGENESIS - AEROSPACE ENVIRONMENTS - BACTERIA - BIOLOGICAL EVOLUTION - EXOBIOLOGY - EXTRATERRESTRIAL LIFE - FUNGI

PANT PROGRAM

UF ABLATED NOSETIPS PASSIVE NOSETIP TECHNOLOGY GS PROGRAMS - PANT PROGRAM

PANTAR CHONDRITES

GS CELESTIAL BODIES - MERCURIDES - STONY METEORITES - CHONDRITES - PANTAR CHONDRITES

PANTHER AIRCRAFT

USE F-16 AIRCRAFT

PAPAIN

GS ACIDS - AMINO ACIDS - PAPAIN ENZYMES - PAPAIN ORGANIC COMPOUNDS - AMINO ACIDS RT PAPAIN

PAPER (MATERIAL)

RT BOARDS (PAPER) = KRAFT PROCESS (WOODPULP)

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. . . PARTICLE ACCELERATOR TARGETS
RT TARGET THICKNESS

PARTICLE ACCELERATORS
GS PARTICLE ACCELERATORS
. . . CYCLIC ACCELERATORS
. . . BETATRONS
. . . SYNCHROCYCLOTRONS
. . . SYNNCHRONTRONS
. . . BEVATRON
. . . STORAGE RINGS (PARTICLE ACCELERATORS)
. . . CYCLOTRONS
. . . GEOCYCLOTRONS
. . . MICROTRONS
. . . OAK RIDGE ISOCYCHRONOUS CYCLOTRON
. . . OMEGATRONS
. . . SYNCHROCYCLOTRONS
. . . ELECTRON ACCELERATORS
. . . BETATRONS
. . . ION ACCELERATORS
. . . LINEAR ACCELERATORS
. . . NIMROD ACCELERATOR
. . . SYNCHROPHASOTRONS
. . . VAN DE GRAFF ACCELERATORS
RT » ACCELERATORS
BEAM SPLITTERS
ELECTRON GUNS
ELEMENTARY PARTICLES
ION SOURCES
KAON PRODUCTION
NEUTRON SOURCES
NUCLEAR PARTICLES
RACETRACKS (PARTICLE ACCELERATORS)
RAILGUN ACCELERATORS
SEPAC (PAYLOAD)

PARTICLE BEAMS
GS BEAMS (RADIATION)
. . . PARTICLE BEAMS
. . . ATOMIC BEAMS
. . . ELECTRON BEAMS
. . . RELATIVISTIC ELECTRON BEAMS
. . . BEAM BEAMS
. . . NEUTRAL BEAMS
. . . MOLECULAR BEAMS
. . . NEUTRON BEAMS
. . . PROTON BEAMS
RT BEAM SPLITTERS
ELECTRON ACCELERATION
ELECTRON BOMBARDMENT
FLUX (RATE)
ION STRIPPING
PHONON BEAMS

PARTICLE CHARGING
RT CHARGED PARTICLES

PARTICLE COLLISIONS
GS COLLISIONS
. . . PARTICLE COLLISIONS
RT ATOMIC COLLISIONS
ATOMIC EXCITATIONS
DENSE PLASMAS
FADDEEVS EQUATIONS

PARTICLE COLLISIONS-(CONT.)
KINETICS
. . . MEAN FREE PATH
. . . MOLECULAR COLLISIONS
. . . MOLECULAR EXCITATION
. . . NUCLEON-NUCLEON SCATTERING
SCATTERING

PARTICLE COUNTERS
USE RADIATION COUNTERS

PARTICLE DEACY
USE RADIOACTIVE DECAY

PARTICLE DENSITY (CONCENTRATION)
GS DENSITY (NUMBER/VOLUME)
. . . PARTICLE DENSITY (CONCENTRATION)
. . . ELECTRON DENSITY (CONCENTRATION)
. . . CARRIER DENSITY (SOLID STATE)
. . . ELECTRON DENSITY PROFILES
. . . IONSOSPHERIC ELECTRON DENSITY
. . . MAGNETOSPHERIC ELECTRON DENSITY
. . . ELECTRON DISTRIBUTION
. . . ELECTRON DENSITY PROFILES
. . . ION DENSITY (CONCENTRATION)
. . . IONSOSPHERIC ION DENSITY
. . . MAGNETOSPHERIC PROTON DENSITY
. . . PROTON DENSITY (CONCENTRATION)
. . . MAGNETOSPHERIC PROTON DENSITY
. . . PLASMA DENSITY
RT ATMOSPHERIC DENSITY
ESRO 4 SATELLITE
ION STRIPPING
IIONSOSPHERIC COMPOSITION
SPACE DENSITY
SPATIAL DISTRIBUTION

PARTICLE DETECTORS
USE RADIATION COUNTERS

PARTICLE DIFFUSION
GS DIFFUSION
. . . PARTICLE DIFFUSION
. . . ELECTRON DIFFUSION
. . . IONIC DIFFUSION
RT ATOMIC BEAMS
BOLTMANN TRANSPORT EQUATION
DIFFUSION COEFFICIENT
DROP SIZE
FLUX (RATE)
GASEOUS SELF-DIFFUSION
MOLECULAR DIFFUSION
MION SPIN ROTATION
SELF DIFFUSION (SOLID STATE)

PARTICLE EMISSION
GS EMISSION
. . . PARTICLE EMISSION
. . . ELECTRON EMISSION
. . . FIELD EMISSION
. . . PHOTOELECTRIC EMISSION
. . . SECONDARY EMISSION
. . . NEUTRON EMISSION
. . . THERMONIC EMISSION
RT EXHAUST EMISSION
EXPULSION
SELF SUSTAINED EMISSION
STIMULATED EMISSION

PARTICLE ENERGY
GS PARTICLE ENERGY
. . . ELECTRON ENERGY
. . . ELECTRON STATES
. . . PROTON ENERGY
RT » ENERGY
INTERNAL ENERGY
KINETIC ENERGY
MONOCHROMATIZATION
. . . PARTICLE INTENSITY

PARTICLE FLUX
USE FLUX (RATE)

PARTICLE FLUX DENSITY
SN (PARTICLE EMISSION OR DETECTION RATE PER UNIT AREA)

PARTICLE PRECIPITATION
GS PARTICLE PRECIPITATION

PARTICLE PRECIPITATION-(CONT.)
. . . PARTICLE FLUX DENSITY
. . . RATES (PER TIME)
. . . ELECTRON DENSITY
. . . RADIANT FLUX DENSITY
. . . PARTICLE FLUX DENSITY
. . . ELECTRON DENSITY
. . . NEUTRON FLUX DENSITY
. . . PROTON FLUX DENSITY
RT HELIOS SATELLITES
. . . PARTICLE INTENSITY
RADIANCE
RADIATION COUNTERS
RADIATION PRESSURE
SOLAR CONSTANT
SOLAR FLUX DENSITY

PARTICLE IN CELL TECHNIEUE
GS ANALYSIS (MATHEMATICS)
. . . NUMERICAL ANALYSIS
. . . APPROXIMATION
RT PARTICLE ENERGY
PARTICLE FLUX DENSITY

PARTICLE INTERACTIONS
GS PARTICLE INTERACTIONS
. . . CONFIGURATION INTERACTION
. . . ELEMENTARY PARTICLE INTERACTIONS
. . . ELECTROMAGNETIC INTERACTIONS
. . . MESON-MESON INTERACTIONS
. . . NUCLEAR CAPTURE
. . . ELECTRON CAPTURE
. . . NUCLEON-NUCLEON INTERACTIONS
. . . ION ATOM INTERACTIONS
. . . MOLECULAR INTERACTIONS
. . . INTERSTELLAR CHEMISTRY
. . . MOLECULAR COLLISIONS
. . . NUCLEAR INTERACTIONS
. . . NUCLEAR CAPTURE
. . . ELECTRON CAPTURE
. . . SPIN-ORBIT INTERACIONS
. . . ELECTRON CAPTURE
. . . STRONG INTERACTIONS (FIELD THEORY)
. . . WEAK INTERACTIONS (FIELD THEORY)
. . . WEAK ENERGY INTERACTIONS
. . . WEAK INTERACTIONS (FIELD THEORY)
RT BRAGG CURVE
CHARM (PARTICLE PHYSICS)
CHEMICAL REACTIONS
COLLISION PARAMETERS
ELECTRON PHONON INTERACTIONS
ELECTRON SCATTERING
FEYNMAN DIAGRAMS
HIGH ENERGY INTERACTIONS
. . . INTERACTIONS
. . . NEUTRAL CURRENTS
. . . NUCLEAR REACTIONS
. . . PHOTONUCLEAR REACTIONS
. . . QUANTUM CHROMODYNAMICS
SINGLE

PARTICLE MASS
GS MASS
. . . PARTICLE MASS
. . . ELECTRON MASS
RT MAGNETIC RIGIDITY
. . . NUCLIDES

PARTICLE MOTION
RT ELECTROPHORESIS
FALLING
LATTICE VIBRATIONS
MAGNETIC RIGIDITY
MEAN FREE PATH
. . . MOTION
NEUTRAL SHEETS
RECOLLED
RELATIVISTIC VELOCITY
SETTLE
PERCUS METHOD

PERCOLATION-(CONT.)
- Penetration
- Permeability
- Seepage
- Separation
- Voiding

PERCUS METHOD
- RT Flow Equations
- Integral Equations
- Methodology

PERCUSSION
- RT Detonation
- Impact
- Physical Examinations
- Primers (Explosives)

PERFECT GAS
- Use Ideal Gas

PERFLUORO COMPOUNDS
- GS Halogen Compounds
  - Fluorine Compounds
  - Fluoro Compounds
  - Difluoro Compounds
  - Perfluor compounds
  - Organic Compounds
  - Fluorine Organic Compounds
  - Perfluoroalkane
  - Perfluorocarbons
  - Perfluoroalkane
  - Perfluorocarbons

PERFLUOROALKANE
- GS Halogen Compounds
  - Fluorine Compounds
  - Fluoro Compounds
  - Difluoro Compounds
  - Perfluor compounds
  - Organic Compounds
  - Fluorine Organic Compounds
  - Perfluoroalkane
  - Perfluorocarbons
  - Perfluoroalkane
  - Perfluorocarbons

PERFLUOROGUANIDINE
- GS Halogen Compounds
  - Fluorine Compounds
  - Fluoro Compounds
  - Difluoro Compounds
  - Perfluor compounds
  - Organic Compounds
  - Fluorine Organic Compounds
  - Perfluoroalkane
  - Perfluorocarbons
  - Perfluoroalkane
  - Perfluorocarbons

PERFORATING-(CONT.)
- Metal Working
- Penetration
- Perforation
- Piercing
- Water Injection

PERFORATION
- Use of a more specific term is recommended-consult the terms listed below

PERFORATED SHELLS
- GS Shells (Structural Forms)
  - Perforated Shells
  - Arches
  - Cables
  - Cavities
  - Enclosures
  - Fairings
  - Hole Distribution (Mechanics)
  - Hole Geometry (Mechanics)
  - Hoists
  - Hulls (Structures)
  - Membrane Structures
  - Nacelles
  - Perforation
  - Pressure Vessel Design
  - Rocket Engine Cases
  - Shell Theory
  - Stress Concentration

PERFORATING
- RT Burnthrough (Failure)
- Cutting
- Drilling
- Forging
- Fracturing
- Gas Injection
- Injection
- Metal Cutting

PERIODIC ORBITS
- Use Orbits

PERIODIC PROCESSES
- Use Cycles

PERIODIC VARIATIONS
- Use Periodic Variations

PERIODICITY
- Use Periocity

PERIODIC FUNCTIONS
- Use Periodic Functions

PERIODICITY (CONT.)
- Chalcogenides
  - Metal Oxides
  - Alkaline Earth Oxides
  - Magnesium Oxides
  - Magnesium Compounds

PERIODIC VARIATIONS
- Use Periodic Variations

PERIGEE
- GS Apogees
  - Solar Orbits
  - Earth Orbits
  - Elliptical Orbits
  - Perigees

PERIGEE-APOGEE SATELLITES
- Use PAS

PERIGEES
- GS Apogees
  - Solar Orbits
  - Elliptical Orbits
  - Perigees

PERIMETER
- Use Perimeter

PERIMETRIC
- Use Peripheral

PERIMETERS
- GS Halogen Compounds
  - Fluorine Compounds
  - Fluoro Compounds
  - Difluoro Compounds
  - Perfluor compounds
  - Organic Compounds
  - Fluorine Organic Compounds
  - Perfluoroalkane
  - Perfluorocarbons
  - Perfluoroalkane
  - Perfluorocarbons

PERINDOTITE
- GS Rocks
  - Igneous Rocks
  - Diorites
  - Dunites
  - Olivine
  - Regolith
  - Soils

PERIODIC (CONT.)
- Use Periodic

PERIODICITY
- Use Periodicity

PERIODICITY (CONT.)
- Use Periodicity

PERIODS
- Use Periods

PERIODS (CONT.)
- Use Periods

PERIODS (VOLUME 1)
- Use Periods

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PERIODS (CONT.)
- Use Periods
PHREATOPHYTES

PHYSICAL OPTICS-(CONT.)
- GRADIENT INDEX OPTICS
- OPTICAL PROPERTIES
- OPTICS
- QUANTUM THEORY
- THEORIES

PHYSICAL PROPERTIES
- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
- RT ACOUSTIC PROPERTIES
- ADSORPTIVITY
- BRAGG ANGLE
- BUDYANCY
- CHEMICAL PROPERTIES
- COLOR
- DENSITY (MASS/VOLUME)
- DIFFUSIVITY
- DURABILITY
- EDDY CURRENTS
- ELECTRIC PROPERTIES
- ELECTRICAL PROPERTIES
- ELECTROMAGNETIC PROPERTIES
- FUSIBILITY
- HIGH RESISTANCE
- HYDROGEOGRAPHY
- IMPEDANCE
- INTERNAL FRICTION
- ISOTROPY
- MAGNETIC Dipoles
- MAGNETIC PROPERTIES
- MECHANICAL PROPERTIES
- OPTICAL PROPERTIES
- PERMEABILITY
- POLYMORPHISM
- PROPELLANT PROPERTIES
- SURFACE PROPERTIES
- THERMAL PROPERTIES
- THERMAL EXPANSION
- THERMODYNAMIC PROPERTIES
- THIXOTROPY
- TRANSMISSIVITY
- TRANSPORT PROPERTIES
- VIRTUAL PROPERTIES
- VISCOSITY

PHYSICAL SCIENCES
- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
- RT ASTRONOMY
- ENVIRONMENTAL ENGINEERING
- GEOLOGY
- LIFE SCIENCES
- METALLURGY
- METEOROLOGY
- OCEANOGRAPHY
- QUANTUM CHEMISTRY
- SCIENCE

PHYSICAL WORK
- UF EXERTION
- GS WORK
- PHYSICAL WORK
- RT EFFORT
- HORSEPOWER
- TASKS
- TREADMILLS
- WORK CAPACITY
- WORKLOADS (PSYCHOPHYSIOLOGY)

PHYSICIANS
- GS PERSONNEL
- PHYSICIANS
- RT STETHOSCOPES

PHYSICAL FACTORS
- GS PHYSIOLOGICAL FACTORS
- PHYSICAL FACTORS
- RT = PHYSICS

PHYSICAL FITNESS
- UF PHYSICAL ENDURANCE
- GS FITNESS
- PHYSICAL FITNESS
- RT ATHLETES
- COMPEITION
- CRAFTSMAN
- CROP
- EXERCISE
- FLIGHT FITNESS
- PHYSICAL EXCISE
- PHYSIOLOGICAL TESTS
- POSTURE
- SWIMMING
- TREADMILLS
- WORK CAPACITY

PHYSICAL OPTICS
- RT CRYSTAL OPTICS
- FIBER OPTICS
- GEOMETRICAL OPTICS

PHYSICAL OPTICS-(CONT.)
- GRADIENT INDEX OPTICS
- OPTICAL PROPERTIES
- OPTICS
- QUANTUM THEORY
- THEORIES

PHYSICAL PROPERTIES
- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
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- ISOTROPY
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- MAGNETIC PROPERTIES
- MECHANICAL PROPERTIES
- OPTICAL PROPERTIES
- PERMEABILITY
- POLYMORPHISM
- PROPELLANT PROPERTIES
- SURFACE PROPERTIES
- THERMAL PROPERTIES
- THERMAL EXPANSION
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- THIXOTROPY
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- METEOROLOGY
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- QUANTUM CHEMISTRY
- SCIENCE

PHYSICAL WORK
- UF EXERTION
- GS WORK
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- PHYSICAL FITNESS
- RT ATHLETES
- COMPEITION
- CRAFTSMAN
- CROP
- EXERCISE
- FLIGHT FITNESS
- PHYSICAL EXCISE
- PHYSIOLOGICAL TESTS
- POSTURE
- SWIMMING
- TREADMILLS
- WORK CAPACITY

PHYSICAL OPTICS
- RT CRYSTAL OPTICS
- FIBER OPTICS
- GEOMETRICAL OPTICS
PLATINUM ISOTOPES

PLATINUM COMPOUNDS-(CONT.)

= METAL COMPOUNDS

PLATINUM ISOTOPES

GS CHEMICAL ELEMENTS
. . . NUCLEIDES
. . . ISOTOPES
. . . PLATINUM ISOTOPES
. . . PLATINUM METALS
. . . TRANSITION METALS
. . . PLATINUM ISOTOPES

PLATINUM OXIDES

GS CHALCOGENIDES
. . . OXIDES
. . . METAL OXIDES
. . . PLATINUM OXIDES
. . . PLATINUM COMPOUNDS
. . . PLATINUM ISOTOPES

PLAYAS

GS LAND
. . . PLANES
. . . PLAYAS
. . . PLAYAS
. . . DESERTS
. . . LAKES

PLAYBACKS

RT MAGNETIC TAPES
= RECORDERS
= RECORDING
= TAPES
= VIDEO DISKS

PLENUM CHAMBERS

RT AIR INTAKES
= CHAMBERS
= DUCTS
= EXHAUST SYSTEMS
= FUEL SYSTEMS
= INTAKE SYSTEMS
= MANIFOLDS
= WATER INTAKES

PLETHYSMOGRAPHY

GS BIOENGINEERING
. . . BIOMETRICS
. . . PLETHYSMOGRAPHY
. . . ELECTROPLETHYSMOGRAPHY

PLEURAE

GS MEMBRANES
. . . PLEURAE
. . . LUNGS

PLEUROTIN

GS DRUGS
. . . ANTIBIOTICS
. . . PLEUROTIN
. . . STAPHYLOCOCCUS

PLEXIGLASS (TRADEMARK)

USE POLYMETHYL METHACRYLATE

PLIES

USE LAYERS

= PLOTS

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)

RT CHARTS
= DISPLAY DEVICES
= PLOTTERS
= PLOTTING
= SITES

PLOTTERS

US PLOTTERS
. . . PLOTTING INSTRUMENTS
. . . RECORDING INSTRUMENTS
. . . PLOTTERS
. . . X-Y PLOTTERS

RT COMPUTER GRAPHICS
= DIGITAL TO ANALOG CONVERTERS
= DISPLAY DEVICES
= NAVIGATION AIDS
= PLOTS
= PLOTTING

PLATTERS-(CONT.)

= POSITION INDICATORS
= PRINTERS
= REMOTE CONSOLES

PLOTTING

RT ANALOG TO DIGITAL CONVERTERS
= DISPLAY DEVICES
= NAVIGATION
= PLOTS
= PLOTTERS
= PRINTING
= RECORDING

PLOTTING INSTRUMENTS

USE PLOTTERS

PLOWED FIELDS

USE FARMLANDS

PLOWING

GS CULTIVATION
= PLOWING
RT AGRICULTURE
= FARM CROPS
= FARMLANDS
= GRASSLANDS
= PLANTING
= PLANTS (BOTANY)
= FLOWS
= SOD
= TRACTORS

PLOWS

RT AGRICULTURE
= MIXERS
= PLANTING
= PLOWING

PLSS

USE PORTABLE LIFE SUPPORT SYSTEMS

PLUG NOZZLES

GS EXHAUST NOZZLES
= PLUG NOZZLES
RT ANNULAR NOZZLES
= CONICAL NOZZLES
= NOZZLE GEOMETRY
= NOZZLES
= ROCKET NOZZLES
= SPIKE NOZZLES

PLUGGING

LF CLOGGING
RT AGGLOMERATION
= BLOCKING
= CAULKING
= CLOSING
= CLOSURES
= CONSTRUCTIONS
= FOULING
= PLUGS
= SEALING
= SEALS (STOPPERS)

PLUGS

SN (EXCLUDES SPARKPLUGS OR ELECTRICAL CONNECTORS)
GS SEALS (STOPPERS)
RT BLOCKING
= CLOSURES
= LUMINARIES
= SEALING
= OUTLETS
= PLOTTING
= STOPPING

PLUM BROOK REACTOR

GS NUCLEAR REACTORS
= LIQUID COOLED REACTORS
= WATER COOLED REACTORS
= PLUG REACTOR
= NUCLEAR RESEARCH AND TEST REACTORS
= PLUM BROOK REACTOR

PLUMAGE

RT BIRDS

PLUMBANE

USE LEAD COMPOUNDS
= METAL HYDROXIDES

PLUMES

GS PLUMES
= ROCKET EXHAUST
RT CHIMNEYS
= CONDENSATES
= POLLUTION TRANSPORT
= SHOCK WAVES

PLUMGERS

RT MIXERS
= PISTONS
= RAMS (PRESSURES)
= RAMS (PUMPS)

PLUTO (PLANET)

GS CELESTIAL BODIES
. . . PLANETS
. . . PLUTO (PLANET)
RT CHAPON

PLUTO REACTORS

GS NUCLEAR REACTORS
. . . PLUTO REACTORS
RT NUCLEAR RAMJET ENGINES
= NUCLEAR ROCKET ENGINES
= SUPERSONIC LOW ALTITUDE MISSILE

PLUTONIUM

GS CHEMICAL ELEMENTS
. . . ACTINIDE SERIES
. . . TRANSURANIUM ELEMENTS
. . . PLUTONIUM
. . . PLUTONIUM ISOTOPES
. . . PLUTONIUM 238
. . . PLUTONIUM 239
. . . PLUTONIUM 240
. . . PLUTONIUM 241
. . . PLUTONIUM 242
. . . PLUTONIUM 244
. . . PLUTONIUM 245
. . . NUCLEIDES
. . . ISOTOPES
= RADIOACTIVE ISOTOPES
. . . TRANSURANIUM ELEMENTS
. . . PLUTONIUM
. . . PLUTONIUM ISOTOPES
. . . PLUTONIUM 238
. . . PLUTONIUM 239
. . . PLUTONIUM 240
. . . PLUTONIUM 241
. . . PLUTONIUM 242
= HEAVY ELEMENTS
. . . TRANSURANIUM ELEMENTS
. . . PLUTONIUM
. . . PLUTONIUM ISOTOPES
. . . PLUTONIUM 238
. . . PLUTONIUM 239
. . . PLUTONIUM 240
. . . PLUTONIUM 241
. . . PLUTONIUM 242
RT FISSIONABLE MATERIALS
= NUCLEAR FUELS

PLUTONIUM ALLOYS

GS ALLOYS
. . . PLUTONIUM ALLOYS
RT NUCLEAR FUEL ELEMENTS
= NUCLEAR FUELS

PLUTONIUM CARBIDES

USE PLUTONIUM COMPOUNDS

PLUTONIUM COMPOUNDS

US PLUTONIUM CARBIDES
. . . PLUTONIUM CARBIDES
= PLUTONIUM COMPOUNDS
. . . PLUTONIUM CARBIDES
= PLUTONIUM COMPOUNDS
RT CERAMIC NUCLEAR FUELS
= METAL COMPOUNDS
= NUCLEAR FUELS

PLUTONIUM FLUORIDES

GS ACTINIDE SERIES COMPOUNDS
. . . PLUTONIUM FLUORIDES
= HALOGEN COMPOUNDS
= FLUORINE COMPOUNDS
. . . FLUORIDES
. . . METAL FLUORIDES
. . . PLUTONIUM FLUORIDES
= HALIDES

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PLUTONIUM 238-(CONT.)
- Actinide Series
- Transuranium Elements
- Plutonium
- Plutonium Isotopes

PLUTONIUM 239
- Actinide Series
- Transuranium Elements
- Plutonium
- Plutonium Isotopes

PLUTONIUM 240
- Actinide Series
- Transuranium Elements
- Plutonium
- Plutonium Isotopes

PLUTONIUM 241
- Actinide Series
- Transuranium Elements
- Plutonium
- Plutonium Isotopes

PLUTONIUM 244
- Actinide Series
- Transuranium Elements
- Plutonium
- Plutonium Isotopes

PNEUMATIC PROBES

PNEUMATIC EQUIPMENT
- Gas Valves
- Pneumatic Circuits
- Automatic Control
- Fluidic Systems
- Hydraulic Control
- Remote Control

PLUTONIUM
- Chemical Elements
- Actinide Series
- Transuranium Elements
- Plutonium
- Plutonium Isotopes
- Heavy Elements
- Transuranium Elements
- Plutonium
- Plutonium Isotopes
- Metals

NUCLEIDES
- Isotopes
- Radioactive Isotopes
- Transuranium Elements
- Plutonium
- Plutonium Isotopes

PNEUMATIC CIRCUITS
- Control
- Interlayers
- Layers
- Positioning
- Sandwich Structures
- Substrates

PLY ORIENTATION
- Alignment
- Composite Materials
- Laminates
- Plywood

PLYWOOD
- Composite Materials
- Laminates
- Plywood
- Wood

PNEUMATIC CONTROL
- Pneumatic Reset
- Automatic Control
- Automatic Control Valves
- Compressed Air
- Control
- Control Equipment
- Control Valves
- Controllers
- Electronic Control
- Engine Control
- Fluid Power
- Fluidics
- Hydraulic Control
- Remote Control

PNEUMATIC PROBES
- Measuring Instruments
- Temperature Measuring Instruments
- Temperature Probes
- Pneumatic Probes
PROLATE SPHEROIDS

PROJECTS (CONT.)
- ASSET PROJECT
- ALTIT PROJECT
- BABY PROJECT
- BEAGLE PROJECT
- BIG SHOT PROJECT
- BIOS PROJECT
- BUMBLEBEE PROJECT
- CENTAUR PROJECT
- DEFENDER PROJECT
- EARTH & OCEAN PHYSICS APPLICATIONS PROGRAM
- ECHO PROJECT
- ECLIPSE PROJECT
- EXPERIMENTAL REFLECTOR ORBITAL SHOT PROU
- GALILEO PROJECT
- GEOSAR PROJECT
- HARVARD RADIO METEOR PROJECT
- HELIOS PROJECT
- JUPITER PROJECT
- MARS 69 PROJECT
- MARS 71 PROJECT
- MERCURY PROJECT
- NEW MOONS PROJECT
- NIMBUS PROJECT
- ORBITER PROJECT
- PIONEER PROJECT
- PROJECT SETI
- RADIO ATTENUATION MEASUREMENT PROJECT
- RAND PROJECT
- RANGER PROJECT
- AGES A RANGER PROGRAM
- ROVER PROJECT
- SAIL PROJECT
- SATURN PROJECT
- SCANNER PROJECT
- SCOUT PROJECT
- SEAFARER PROJECT
- SQUID PROJECT
- SUBMARINE INTEGRATED CONTROL PROJECT
- SUCCESS PROJECT
- SURVEYOR PROJECT
- Synchronous Communications System Projects
- TELESTAR PROJECT
- THEMIS PROJECT
- TIROS PROJECT
- TITAN PROJECT
- VANGUARD PROJECT
- VOYAGER PROJECT
- WEST FORD PROJECT
- WHIRLWIND PROJECT
- RT Bureaus (Organizations)
- CONTRACTS
- ESTIMATING
- MISSIONS
- OPERATIONS
- RESEARCH PROJECTS
- TASKS
- PROJECTS

PROLATE SPHEROIDS
GS GEOMETRY
- EUCLIDEAN GEOMETRY
- ANALYTIC GEOMETRY
- SPHEROIDS
- PROLATE SPHEROIDS
RT OBLATE SPHEROIDS

PROLATENESS
RT SHAPES

PROLONGATION
GS EXTENSIONS
- PROLATION
RT TIME

PROMETHAZINE
GS AMINES
- PROMETHAZINE
- DRUGS
- ANTHISTAMINICS
- PROMETHAZINE
- HETEROCYCLIC COMPOUNDS
- PROMETHAZINE

PROMETHIUM
GS CHEMICAL ELEMENTS
- RARE EARTH ELEMENTS
- PROMETHIUM
- PROMETHIUM-CONT.
- PROMETHIUM ISOTOPES
- METALS
- RARE EARTH ELEMENTS
- PROMETHIUM
- PROMETHIUM
- PROMETHIUM ISOTOPES

PROPAGATION VELOCITY
GS RATES (PER TIME)
- PROPAGATION VELOCITY
- VELOCITY
RT ELECTROMAGNETIC RADIATION
- GROUP VELOCITY
- PHASE VELOCITY
- PROPAGATION MODES
- WAVE PROPAGATION

PROPAGATORS
USE PROPAGATION

PROPANE
GS ALIPHATIC COMPOUNDS
- ALKANES
- PROPANE
- HYDROCARBONS
RT CYCLOPROPANE
- HYDROCARBON FUELS
- NITROPROPANE

PROPARGYL GROUPS
GS ORGANIC COMPOUNDS
- PROPARGYL GROUPS
RT ETHERS
GETTERS
- PHENYL

=PROPELLANT ACTUATED DEVICES
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
RT EJECTION SEATS
- EXPLOSIVE DEVICES
- PROPELLANT ACTUATED INSTRUMENTS
- ROCKET ENGINES

PROPELLANT ACTUATED INSTRUMENTS
RT ACTUATORS
- CONTROLLERS
- INSTRUMENTS
- MEASURING INSTRUMENTS
- PROPPELLANT ACTUATED DEVICES

PROPELLANT ADDITIVES
GS ADDITIVES
- PROPELLANT ADDITIVES
- PROPELLANT BINDERS
- SOLID ROCKET BINDERS
RT ANTICING ADDITIVES
- ANTIOXIDANTS
- CATALYSTS
- COMPOSITE PROPELLANTS
- CORROSION PREVENTION
- GELLED PROPELLANTS
- INHIBITORS
- PLASTICIZERS
- STORABLE PROPELLANTS

PROPELLANT BINDERS
GS ADDITIVES
- PROPELLANT ADDITIVES
- PROPELLANT BINDERS
- SOLID ROCKET BINDERS
- BINDERS (MATERIALS)
- PROPELLANT BINDERS
RT COMPOSITE PROPELLANTS
- ROCKET PROPULSANTS
- SOLID PROPELLANTS

PROPELLANT CASTING
GS CASTINGS
- PROPELLANT CASTING
- FORMING TECHNIQUES
- CASTING
- PROPELLANT CASTING

PROPELLANT CHEMISTRY
RT CHEMISTRY
- SOLID PROPELLANT COMBUSTION
- THERMOCHEMISTRY

PROPELLANT COMBUSTION
GS COMBUSTION
- PROPELLANT COMBUSTION
- SOLID PROPELLANT COMBUSTION
- SOLID PROPELLANT IGNITION
RT AXIAL MACH 2
- COMBUSTION EFFICIENCY

PROLATE SPHEROIDS

PROLATE SPHEROIDS

PROLATE SPHEROIDS

PROLATE SPHEROIDS

PROLATE SPHEROIDS

PROLATE SPHEROIDS

PROLATE SPHEROIDS

PROLATE SPHEROIDS

PROLATE SPHEROIDS

PRO¬
NASA THESAURUS (VOLUME 1)

PROTACTINIUM FLUORIDES-(CONT.)
- FLUORIDES
- METAL FLUORIDES
- GLazes
- PROTACTINIUM FLUORIDES
- HALIDES
- METAL HALIDES
- PROTACTINIUM FLUORIDES
- PROTACTINIUM COMPOUNDS
- PROTACTINIUM FLUORIDES

PROTACTINIUM ISOTOPES
- PROTACTINIUM 234
- PROTACTINIUM 239
- USE PROTACTINIUM ISOTOPES

PROTECTIVE COATINGS-(CONT.)
- FINISHES
- GLASS COATINGS
- GLazes
- GOLD COATINGS
- INORGANIC COATINGS
- LACQUERS
- METAL COATINGS
- NICKEL COATINGS
- PAINTS
- PLASTIC COATINGS
- PLATING
- RUBBER COATINGS
- SPRAYED COATINGS
- SURFACE FINISHING
- TRANSGRANULAR CORROSION
- VARNISHES
- WATERPROOFING
- ZINC COATINGS

PROTECTIVE COATINGS
- USE PROTACTINIUM ISOTOPES

PROTECTIVE CLOTHING
- HELMETS
- PRESSURE SUITS
- SPACE SUITS
- VAPOR BARRIER CLOTHING

PROTEASE
- ENZYMES
- PROTEIN SYNTHESIS

PROTEIN METABOLISM
- PROTEIN METABOLISM
- LIpid METABOLISM
- PROTEIN SYNTHESIS

PROTEIN SYNTHESIS
- PROTEIN METABOLISM

PROTEIN SYNTHESIS
- PROTEIN METABOLISM

PROTON DAMAGE
- PROTON DAMAGE

PROTON BELTS
- EARTH ATMOSPHERE
- PROTON BELTS
- PARTICLES
- CHARGED PARTICLES
- MAGNETICALLY TRAPPED PARTICLES
- RADIATION BELTS
- TRAPPED PARTICLES
- MAGNETICALLY TRAPPED PARTICLES
- RADIATION BELTS
- PROTON BELTS
- OUTER RADIATION BELT

PROTON ENERGY
- PARTICLE ENERGY
- PROTON ENERGY
- ACTIVATION ENERGY
- ELECTRON ENERGY
- ENERGY
- SURFACE ENERGY

PROTON FLUX DENSITY
- PROTON FLUX DENSITY

PROTON IMPACT
- ELECTRON IMPACT
- POINT IMPACT

PROTON MAGNETIC RESONANCE
- MAGNETIC RESONANCE
- NUCLEAR MAGNETIC RESONANCE
### NASA THESAURUS (VOLUME 1)

**PSYCHOMETRICS**

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### NASA Thesaurus (Volume 1)

**Radar Approach Control (Continued)**
- Aircraft Guidance
- Approach Indicators
- Instrument Landing Systems
- Landing Aids
- Landing Instruments
- Landing NAVs
- Radar Scopes
- Surveillance Radar

**Radar Astronomy**
- GS Astronomy
- RT Astronomy

**Radar Attenuation**
- GS Attenuation
- RT Attenuation

**Radar Beams**
- GS Beams
- RT Beams

**Radar Clutter Maps**
- GS Maps

**Radar Corner Reflectors**
- UF Luneberg Lenses
- GS Radar Equipment
- Radar Reflectors
- Radar Corner Reflectors
- Radar Reflectors
- Radar Corner Reflectors
- RT Retroreflectors

**Radar Cross Sections**
- RT Angles

**Radar Data**
- RT Data

**Radar Detection**
- GS Detection
- RT Coherent Radar

**Radar Displays**
- Use Radarscopes

**Radar Echos**
- GS Echos

**Radar Equipment**
- GS Radar Equipment

**Radar Filters**
- GS Electromagnetic Wave Filters

**Radar Geology**
- GS Geology

**Radar Homing Missiles**
- GS Missiles

**Radar Imaging**
- GS Imagery

**Radar Maps**
- GS Maps

**Radar Navigation**
- GS Navigation

**Radar Observations**
- Use Radar Tracking

**Radar Photography**
- GS Photography

**Radar Reflectors**
- Use Meteorological Charts

**Radar Measurements**
- GS Radar

**Radar Networks**
- GS Tracking Networks

**Radar Receivers**
- GS Radar Equipment

**Radar Reflections**
- Use Radar Echos

**Radar Scopes**
- GS Radar Equipment

- **Radar Reflectors**
RADIATION COUNTERS (CONT.)

RADIATION COUNTERS

GAS DISCHARGE TUBES
ION SPECTROMETERS
ION TRAPS (INSTRUMENTATION)
IONIZATION CHAMBERS
IONIZING RADIATION
MAGNETIC FIELDS
MAGNETOMETER
NUCLEAR EMISSIONS
NUCLEAR FLUX DENSITY
NUCLEAR RADIATION
PCARD RADIATION
RADIANT FLUX DENSITY
SPECTROMETERS

RADIATION DAMAGE

GS DAMAGE
Laser Damage
Radiation Effects
Radiation Damage
RT ONIZING RADIATION

RADIATION DETECTORS

GS MEASURING INSTRUMENTS
Laser Measuring Instruments
Radiation Detectors
Dosimeters
Threshold Detectors
Dosimeter Calibrations
GALOY DETECTOR CELLS
SILICON RADIATION DETECTORS
RT DETECTORS
GEIGER COUNTERS
HEALTH PHYSICS
SATELLITE-BORNE INSTRUMENTS
VELA SATELLITES

RADIATION DISTRIBUTION

UF RADIATION FIELDS
GS DISTRIBUTION (PROPERTY)
Laser Radiation Distribution
Radiation Fields
Radiation Dosimeter Calibration
Radiation Dosimetry
RT RADAR POPULATION
ANTENNA RADIATION PATTERNS
SIDELOBES
DIFFRACTION PATTERNS
KOSSEL PATTERN
RAINBOWS
ELASTIC WAVES
ELECTROMAGNETIC RADIATION
FIELD THEORY (PHYSICS)
FLUX DENSITY
NULL ZONES
PATTERNS
VERTICAL DISTRIBUTION
WAVE DISPERSION

RADIATION DOSAGE

UF RADIATION EXPOSURE
GS DOSAGE
Radiation Dosage
Radiation Field
Radiation Dosimetry
RT BIOLOGICAL EFFECTS
DOSIMETERS
EXPOSURE
HEALTH PHYSICS
IRRADIATION

RADIATION EFFECTS

GS RADIATION EFFECTS
Laser Damage
Radiation Damage
Radiation Injuries
Radiolysis
RT BIOLOGICAL EFFECTS
BLACKOUT (PROPAGATION)
BRAGG CURVE
DAMAGE
DOSEMETERS
EFFECTS
ELECTRON RADIATION
FALLOUT
GAMMA RAYS
HEALTH PHYSICS
HEMATOPOIESIS
IRRADIATION
MECHANICAL PROPERTIES
NEUTRONS
NUCLEAR EXPLOSION EFFECT
NUCLEAR RADIATION
NUCLEAR VULNERABILITY
PARTICLE TRACKS
PHYSIOLOGICAL EFFECTS
POST-BLAST NUCLEAR RADIATION
POUYING-ROBERTSON EFFECT
PREVENTION
RADIATION CONTAMINANTS
SPACE RADAR

589
RADIO COMMUNICATION
- SPACE COMMUNICATION
- SPACECRAFT COMMUNICATION
- TELEGRAPH SYSTEMS
- TELEMETRY
- TELEVISION SYSTEMS
- TRANSCAPACITIVE COMMUNICATION
- UNDERGROUND COMMUNICATION
- VOICE COMMUNICATION

RADIO EMISSION
- EXTRATERRESTRIAL RADIO WAVES
- QUASARS

RADIO FREQUENCY HEATING
- RADIO FREQUENCY DISCHARGE
- HIGH FREQUENCIES
- LOW FREQUENCIES
- SUBAURAL FREQUENCIES
- VERY LOW FREQUENCIES
- C BAND
- P BAND
- SUPERHIGH FREQUENCIES
- ULTRAHIGHS FREQUENCIES
- P BAND

RADIO FREQUENCY DISCHARGE
- ELECTRIC CURRENT
- ELECTRIC DISCHARGES
- RADIO FREQUENCY DISCHARGE

RADIO FREQUENCY IMPEDANCE PROBES
- MEASURING INSTRUMENTS
- IMPEDANCE PROBES

RADIO FREQUENCIES
- EXTRATERRESTRIAL RADIO WAVES
- QUASARS

RADIO FILTERS
- ELECTROMAGNETIC WAVE FILTERS
- FILTERS

RADIO FILTERS
- ELECTROMAGNETIC WAVE FILTERS
- ELECTRIC FILTERS
- RADIO FILTERS
- RADIO EQUIPMENT

RADIO FREQUENCY HEATING
- HEATING
- RADIO FREQUENCY HEATING
- PLASMA HEATING

RADIO FREQUENCY IMPEDANCE PROBES
- MEASURING INSTRUMENTS
- IMPEDANCE PROBES

RADIO FREQUENCY IMPEDANCE PROBES
- MEASURING INSTRUMENTS
- IMPEDANCE PROBES

RADIO COMMUNICATION
- SPACE COMMUNICATION
- SPACECRAFT COMMUNICATION
- TELEGRAPH SYSTEMS
- TELEMETRY
- TELEVISION SYSTEMS
- TRANSCAPACITIVE COMMUNICATION
- UNDERGROUND COMMUNICATION
- VOICE COMMUNICATION
RADIO SPECTROSCOPY

RADIO TELEGRAPHY

RADIO TELEMETRY

RADIO TELESCOPES

RADIO TRACKING

RADIO TRANSMISSION

RADIO WAVES

RADIOACTIVE DEBRIS

RADIOACTIVE DECAY
RAIL TRANSPORTATION (CONT.)
- MAGNETIC LEVITATION VEHICLES
- MARINE TRANSPORTATION RAILS
- RAIL ROADS
- RAPID TRANSIT SYSTEMS SURFACE VEHICLES
- URBAN TRANSPORTATION

RAILGUN ACCELERATORS
- HYPERVELOCITY GUNS
- HYPERVELOCITY LAUNCHERS
- NUCLEAR FUSION PARTICLE ACCELERATORS
- SPACECRAFT \ 'UNCHING

RAILROAD HUMPING TESTS
RT CARGO IMPACT ACCELERATION MATERIALS HANDLING SHOCK TESTS TESTS

RAILROADS
USE RAIL TRANSPORTATION

RAILS
RT RAIL TRANSPORTATION RAPID TRANSIT SYSTEMS SURFACE VEHICLES

RAIN
GS PRECIPITATION (METEOROLOGY)
- RAIN
- ACID RAIN
RT AQUIFERS CLOUD SEEDING FLOOD PREDICTIONS HYDROLOGY HYDROLOGY MODELS LIMNOLOGY RAINBOWS RAINDROPS RAINSTORMS SHOWERS THUNDERSTORMS WATERSHEDS

RAIN EROSION
GS EROSION
- RAIN EROSION
RT LANDSLIDES MUD SANDS SOIL EROSION

RAIN FORESTS
GS RESOURCES
- EARTH RESOURCES
- TREES
- RAIN FORESTS
RT CANDOLES (VEGETATION) GEOBOTANY PLANTS (BOTANY)
- SHOWERS TROPICAL REGIONS VEGETATION

RAIN GAGES
UF PLUVIOGRAPHS
GS MEASURING INSTRUMENTS
- METEOROLOGICAL INSTRUMENTS
- RAIN GAGES

RAIN IMPACT DAMAGE
GS DAMAGE
- IMPACT DAMAGE
- RAIN IMPACT DAMAGE
RT ARROYOS EROSION SOIL EROSION WATER EROSION

RAINBOWS
GS DISTRIBUTION (PROPERTY)
- RADIATION DISTRIBUTION
- DISPERSION PATTERNS
- RAINBOWS
RT HALOS LIGHT TRANSMISSION RAIN

RAINDROPS
GS PARTICLES
- DROPS (LIQUIDS)
- RAINDROPS (CONT.)
RT DROP SIZE FALLING SPHERES RAIN RAINMAKING

RAINMAKING
GS WEATHER MODIFICATION
RT CLIMATOLOGY CLOUD SEEDING PRECIPITATION (METEOROLOGY) RAINDROPS WATER RESOURCES

RAINSTORMS
GS STORMS
- STORMS (METEOROLOGY)
- RAINSTORMS
- THUNDERSTORMS
RT ACID RAIN FLOOD CONTROL FLOOD PREDICTIONS HAILSTORMS PRECIPITATION (METEOROLOGY) RAIN = SHOWERS STORM DAMAGE STORM ENHANCEMENT STORM SUPPRESSION TORNADOES

RAMPS (STRUCTURES)
RT RAMPS (STRUCTURES)
- CROSSINGS
- HIGHWAYS
- INTAKE SYSTEMS
- INTERSECTIONS
- PARKING
- SLOPES WHEELCHAIRS

RAMAN SPECTROSCOPY
UF COHERENT ANTI-STOKES RAMAN SPECTROSCOPY
GS SPECTROSCOPY
- MOLECULAR SPECTROSCOPY
- RAMAN SPECTROSCOPY
RT ASTRONOMICAL SPECTROSCOPY INFRARED SPECTROSCOPY UNIC SPECTRA OPTOGALVANIC SPECTROSCOPY RAYLEIGH SCATTERING SPEKTROSCOPIC ANALYSIS

RAMIS (SYSTEM)
UF RAPID AUTOMATIC MALFUNCTION ISOLATION
RT = SYSTEMS

RAMJET ENGINES
UF HYDROGEN FUELS
GS ENGINES
- AIR BREATHING ENGINES
- GAS TURBINE ENGINES
- JET ENGINES
- RAMJET ENGINES
- LOW VOLUME RAMJET ENGINES
- PULSJEET ENGINES
- SUPERSONIC COMBUSTION RAMJET ENGINES
- TURBoramjet ENGINES
- INTERNAL COMBUSTION ENGINES
- GAS TURBINE ENGINES
- JET ENGINES
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- TURBoramjet ENGINES
- ...

RAMSTORMS
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
RT PRESSURE SENSORS SLOPES

RAMS (PUMPS)
RT RAMS (PRESSES)

RAMS (SYSTEM)
RT RAMS (SYSTEM)
- AIR BREATHING ENGINES
- GAS TURBINE ENGINES
- JET ENGINES
- RAMJET ENGINES
- LOW VOLUME RAMJET ENGINES
- PULSJEET ENGINES
- SUPERSONIC COMBUSTION RAMJET ENGINES
- TURBoramjet ENGINES
- INTERNAL COMBUSTION ENGINES
- GAS TURBINE ENGINES
- JET ENGINES
- RAMJET ENGINES
- LOW VOLUME RAMJET ENGINES
- PULSJEET ENGINES
- SUPERSONIC COMBUSTION RAMJET ENGINES
- TURBoramjet ENGINES
- ...

RAMS (PRESSES)
RT RAMS (PRESSES)

RAINbows
GS DISTRIBUTION (PROPERTY)
- RADIATION DISTRIBUTION
- DISPERSION PATTERNS
- RAINBOWS
RT HALOS LIGHT TRANSMISSION RAIN

RAMAN SPECTRA
UF RAINMAKING
GS SCATTERING
- WAVES SCATTERING
- ELECTROMAGNETIC SCATTERING
- RAMAN SPECTRA
- MOLECULAR SPECTRA
- RAMAN SPECTRA
- RADIATION SPECTRA
- ELECTROMAGNETIC SPECTRA
- RAMAN SPECTRA
RT ABSORPTION SPECTRA EMISSION SPECTRA LIGHT (VISIBLE RADIATION) LINE SPECTRA MOLECULAR ROTATION NONLINEAR OPTICS VIBRATIONAL SPECTRA

RAMAN SPECTROSCOPY
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
RT RAMP FUNCTIONS RAMP SPECTRA

RAMAN EFFECT
USE RAIN SPECTRUM

RAMAN LASERS
GS STIMULATED EMISSION DEVICES LASERS
- RAIN LASERS

RAMAN SCATTERING
USE RAIN SPECTRA

RAMAN SPECTRA
UF RAINMAKING
GS SCATTERING
- WAVES SCATTERING
- ELECTROMAGNETIC SCATTERING
- RAMAN SPECTRA
- MOLECULAR SPECTRA
- RAMAN SPECTRA
- RADIATION SPECTRA
- ELECTROMAGNETIC SPECTRA
- RAMAN SPECTRA
RT ABSORPTION SPECTRA EMISSION SPECTRA LIGHT (VISIBLE RADIATION) LINE SPECTRA MOLECULAR ROTATION NONLINEAR OPTICS VIBRATIONAL SPECTRA

RAMAN SPECTROSCOPY
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
RT RAMP FUNCTIONS RAMP SPECTRA

RAMPS (STRUCTURES)
RT RAMPS (STRUCTURES)
- CROSSINGS
- HIGHWAYS
- INTAKE SYSTEMS
- INTERSECTIONS
- PARKING
- SLOPES WHEELCHAIRS

RAMS (SYSTEM)
RT RAMS (SYSTEM)
- AIR BREATHING ENGINES
- GAS TURBINE ENGINES
- JET ENGINES
- RAMJET ENGINES
- LOW VOLUME RAMJET ENGINES
- PULSJEET ENGINES
- SUPERSONIC COMBUSTION RAMJET ENGINES
- TURBoramjet ENGINES
- INTERNAL COMBUSTION ENGINES
- GAS TURBINE ENGINES
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- RAMJET ENGINES
- LOW VOLUME RAMJET ENGINES
- PULSJEET ENGINES
- SUPERSONIC COMBUSTION RAMJET ENGINES
- TURBoramjet ENGINES
- ...

RAMS (PRESSES)
RT RAMS (PRESSES)

RAMS (PUMPS)
RT RAMS (PRESSES)

RAINMAKING
GS WEATHER MODIFICATION
RT CLIMATOLOGY CLOUD SEEDING PRECIPITATION (METEOROLOGY) RAINDROPS WATER RESOURCES

RAINSTORMS
GS STORMS
- STORMS (METEOROLOGY)
- RAINSTORMS
- THUNDERSTORMS
RT ACID RAIN FLOOD CONTROL FLOOD PREDICTIONS HAILSTORMS PRECIPITATION (METEOROLOGY) RAIN = SHOWERS STORM DAMAGE STORM ENHANCEMENT STORM SUPPRESSION TORNADOES

RAINBOWS
GS DISTRIBUTION (PROPERTY)
- RADIATION DISTRIBUTION
- DISPERSION PATTERNS
- RAINBOWS
RT HALOS LIGHT TRANSMISSION RAIN

RAINDROPS
GS PARTICLES
- DROPS (LIQUIDS)
### Rapid Transit Systems

**Rapid Transit Systems**
- **GS** High Speed Transportation
- **RT** Rapid Transit Systems
- **UF** Automated Guideway Transit Vehicles
- **Cargo** Ground Effect Machines
- **Highways** Logistics
- **Rail** Rail Transportation
- **Rads** Roads
- **Systems** Urban Transportation

### Rare Earth Elements

<table>
<thead>
<tr>
<th>Rare Earth Elements-CONT.</th>
<th>Yttrium Isotopes</th>
<th>Neodymium</th>
<th>ytterbium Isotopes</th>
<th>Thulium Isotopes</th>
<th>Terbium Isotopes</th>
<th>Scandium Isotopes</th>
<th>Samarium Isotopes</th>
<th>Promethium Isotopes</th>
<th>Praseodymium</th>
<th>Neodymium Isotopes</th>
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<tr>
<td><strong>GS</strong> Alloys</td>
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<tr>
<td><strong>RT</strong> Yttrium Alloys</td>
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### Rare Earth Compounds

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<td><strong>RT</strong> Yttrium Compounds</td>
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### Rare Gas Compounds

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<td><strong>RT</strong> Alkali Vapor Lamps</td>
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<tr>
<td><strong>GS</strong> Neodymium Lasers</td>
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<td><strong>RT</strong> Transition Metals</td>
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### Rare Gas Lasers

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<tr>
<td><strong>RT</strong> Helium Compounds</td>
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<td><strong>GS</strong> Xenon Compounds</td>
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### Rarefied Gases

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<tr>
<td><strong>RT</strong> Atoms</td>
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<tr>
<td><strong>GS</strong> Gases</td>
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### Rarefied Plasmas

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<tr>
<td><strong>RT</strong> Cathode Glow</td>
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### Rasers

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### Rate Meters

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### Rate of Climb Indicators

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<td><strong>RT</strong> Altimeters</td>
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### NASA Thesaurus (Volume 1)

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<tr>
<td><strong>RT</strong> Monatomic Gases</td>
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<tr>
<td><strong>GS</strong> Pulsar Instruments</td>
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**Conversions**
- **Rapid Transit Systems**
- **RT** Rapid Transit Systems
- **GS** Ground Systems
RECOVERY

RECOVERABLE SPACECRAFT-(CONT.)
- MARS (MASS REUSABLE SPACECRAFT)
- VOSTOK MANNED SPACECRAFT
- VOSTOK 1 SPACECRAFT
- VOSTOK 2 SPACECRAFT
- VOSTOK SPACECRAFT
- VOSTOK 3 SPACECRAFT
- VOSTOK 4 SPACECRAFT
- VOSTOK 5 SPACECRAFT
- VOSTOK 6 SPACECRAFT
- BOOSTER ROCKET ENGINES
- BOOSTGLIDE VEHICLES
- EXPANDABLE STAGES (SPACECRAFT)
- HYPERSONIC VEHICLES
- INTERIAL UPPER STAGE
- INTERNAL STAGES (SPACECRAFT)
- LIFTING REENTRY VEHICLES
- MANEUVERABLE SPACECRAFT
- MANNED SPACECRAFT
- MILITARY SPACECRAFT
- RENDEZVOUS SPACECRAFT
- SPACE CAPSULES
- SPACE SHUTTLE ORBITER 101
- SPACE SHUTTLE ORBITERS
- SPACECRAFT
- SPACECRAFT RECOVERY
- UNMANNED SPACECRAFT
- WINGED VEHICLES

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED; CONSULT THE TERMS LISTED BELOW)

RT BOOSTER RECOVERY
- GAS RECOVERY
- MATERIALS RECOVERY
- NUCLEAR FUEL REPROCESSING
- OIL RECOVERY
- PRESSURE RECOVERY
- RECLAMATION
- RECOVERABILITY
- RECOVERABLE LAUNCH VEHICLES
- RECOVERY PARACHUTES
- RETRACTION
- REUSE
- SPACECRAFT RECOVERY
- STRESS RELAXATION
- STRESS RELIEVING
- VISUAL DISCRIMINATION

RECOVERY PARACHUTES
- GS PARACHUTES
- RECOVERY PARACHUTES
- RT BOOSTER RECOVERY
- DISCOVERER RECOVERY CAPSULES
- RECOVERABLE LAUNCH VEHICLES
- RECOVERY PARACHUTES
- RETRACTION
- RIBBON PARACHUTES
- SPACECRAFT RECOVERY

RECOVERY VEHICLES
- SN (EXCLUDES RECOVERABLE VEHICLES)
- RT MILITARY VEHICLES
- TRUCKS

RECOVERY ZONES
- RT DOWN RANGE
- LANDING SITES
- REENTRY RANGE
- REGIONS
- SPACECRAFT RECOVERY

RECREATION
- RT MORALE
- PARKS
- RELAXATION (PHYSIOLOGY)
- REST
-'SITE PROGRAM
- URBAN PLANNING
- URBAN RESEARCH

RECRYSTALLIZATION
- GS CRYSTALIZATION
- RECRYSTALLIZATION
- RT ANNEALING
- HOT TREATMENT
- LASER ANNEALING
- METALLURGY
- NUCLEAR ENERGETICS
- POLYMERIZATION

RECRYSTALLIZATION-(CONT.)
- SEPARATION

RECTANGLES
- GS GEOMETRY
- EUCLIDEAN GEOMETRY
- POLYGONS
- RECTANGLES
- RT RECTANGULAR PLANFORDS

RECTANGULAR BEAMS
- GS STRUCTURAL MEMBERS
- BEAMS (SUPPORTS)
- RECTANGULAR BEAMS
- RT BOX BEAMS

RECTANGULAR COORDINATES
- USE CARTESIAN COORDINATES

RECTANGULAR DRAINAGE
- USE DRAINAGE PATTERNS

RECTANGULAR GUIDES
- GS TRANSMISSION LINES
- COMMUNICATION CABLES
- WAVEGUIDES
- RECTANGULAR GUIDES
- RT BEAM WAVEGUIDES
- MICROWAVE FILTERS

RECTANGULAR PANELS
- GS PANELS
- RECTANGULAR PANELS
- PLANFORMS
- RECTANGULAR PANELS
- RT STRAKES
- STRUCTURAL MEMBERS
- WING PANELS

RECTANGULAR PLANFORMS
- GS PLANFORMS
- RECTANGULAR PLANFORMS
- RECTANGULAR PANELS
- RT WING PANELS

RECTANGULAR PLATES
- GS PLANFORMS
- RECTANGULAR PLATES
- PLATE (STRUCTURAL MEMBERS)

RECTANGULAR WIND TUNNELS
- GS WIND TUNNELS
- WIND TUNNELS
- RECTANGULAR WIND TUNNELS
- RT SUBSONIC WIND TUNNELS

RECTANGULAR WINGS
- GS STRAIGHT WINGS
- AIRFOILS
- WINGS
- UNSWEPT WINGS
- RECTANGULAR WINGS
- PLANFORMS
- RECTANGULAR PLANFORMS
- RECTANGULAR WINGS

RECTENNAS
- GS RECTENNAS
- RECIPROCATOR ANTENNAS
- MICROWAVE EQUIPMENT
- MICROWAVE ANTENNAS
- RECENTNAS
- RT SATELLITE COMMUNICATIONS (TO EARTH)
- SOLAR RADIATION
- SPACECRAFTS

RECTIFICATION
- GS RECTIFICATION
- GEOMETRIC RECTIFICATION (IMAGERY)
- RT CONDENSATION
- DISTILLATION
- PURIFICATION
- REFINING

RECYCLING
- RT ECONOMY
- EXTRACTION
- MATERIALS RECOVERY
- NUCLEAR FUEL REPROCESSING
- PROCESSING
- RECLAMATION
- REFINING
- RESOURCES
- SPENT FUELS

RED ARCS
- GS ATMOSPHERIC RADIATION
- AURORAS
- AURORAL ARCS
- RED ARCS
- RT AURORAL IONIZATION

RED BLOOD CELLS
- USE ERYTHROCYTES

RED GIANT STARS
- GS CELESTIAL BODIES
- STARS
- S STARS
- GIANT STARS
- RED GIANT STARS
- CARBON STARS
- RT LATE STARS
- M STARS
- STELLAR EVOLUTION
- STELLAR LUMINOSITY

RED SEA
- GS SEAS
- RED SEA
- RT AFRICA
- ASIA

RED SHIFT
- RT COSMOLOGY
- DOPPLER EFFECT
- DOPPLER-FIZEAU EFFECT

NAS A THESAURUS (VOLUME 1)

RECTIFIERS
- SN (EXCLUDES PHOTOGRAPHIC RECTIFIER)
- GS RECTIFIERS
- AVALANCHE DIODES
- CRYSTAL RECTIFIERS
- GERMANIUM DIODES
- IGNITRONS
- THYRATRONS
- THYRISTORS
- SOLID STATE DEVICES
- SEMICONDUCTOR DEVICES
- POWER SUPPLIES
- POWER SUPPLY CIRCUITS
- SOLID STATE DEVICES
- THIN FILMS

RECTUM
- GS DIGESTIVE SYSTEM
- GASTROINTESTINAL SYSTEM
- INTESTINES
- RECTUM
- VISCERA
- INTESTINES
- RECTUM

RECUPERATORS
- USE REGENERATORS

RECURSIVE FORMULAS
- USE RECURSIVE FUNCTIONS

RECURSIVE FUNCTIONS
- GS RECURSIVE FORMULAS
- GS FUNCTIONS (MATHEMATICS)
- RECURSIVE FUNCTIONS
- RT FIR FILTERS
- LISP (PROGRAMMING LANGUAGE)

RECYCLING
- RT ECONOMY
- EXTRACTION
- MATERIALS RECOVERY
- NUCLEAR FUEL REPROCESSING
- PROCESSING
- RECLAMATION
- REFINING
- RESOURCES
- SPENT FUELS

RED ARCS
- GS ATMOSPHERIC RADIATION
- AURORAS
- AURORAL ARCS
- RED ARCS
- RT AURORAL IONIZATION

RED BLOOD CELLS
- USE ERYTHROCYTES

RED GIANT STARS
- GS CELESTIAL BODIES
- STARS
- S STARS
- GIANT STARS
- RED GIANT STARS
- CARBON STARS
- RT LATE STARS
- M STARS
- STELLAR EVOLUTION
- STELLAR LUMINOSITY

RED SEA
- GS SEAS
- RED SEA
- RT AFRICA
- ASIA

RED SHIFT
- RT COSMOLOGY
- DOPPLER EFFECT
- DOPPLER-FIZEAU EFFECT
### REENTRY TRAJECTORIES

<table>
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<th>GS</th>
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<td>REENTRY TRAJECTORIES</td>
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<td>CIRCUMLUNAR TRAJECTORIES</td>
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<td>FLIGHT MECHANICS</td>
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### REENTRY VEHICLES

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- Perforated Shells
- Reinforced Shells
- Shallow Shells
- Spherical Shells
- Spherical Caps
- Thin Walled Shells
- Toroidal Shells

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- Membranes
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- Skin (Structural Member)

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  - Buildings

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  - Surface to Surface Missiles
  - AntiTank Missiles
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#### SHIP HULLS
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  - Surface Effect Ships
  - Submarines

#### SHIP TERMINALS
- GS Terminal Facilities
  - Ship Terminals

#### SHIPS
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  - Ships

#### SHOCK DISCONTINUITY
- TRANSPORT VEHICLES
- TRANSPORTATION ENERGY
- UNDERWATER VEHICLES

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  - Industrial Areas
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#### SHOCK DISCONTINUITY
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- UNDERWATER VEHICLES

#### SHOCK Absorbers
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  - Absorbers (Equipment)
  - Cushions
  - Damping
  - Energy Absorption
  - Hydraulic Equipment
  - Impact
  - Impact Acceleration
  - Isolators
  - Landing Gear
  - Mechanical Shock
  - Pneumatic Equipment
  - Silencers
  - Springs (Elastic)
  - Suspension Systems (Vehicles)

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#### SHOCK Absorbers
- Use Diffusers
  - Shock Wave Attenuation

#### SHOCK DISCONTINUITY
- GS Discontinuity
  - Shock Discontinuity

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#### SHOCK Absorbers
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  - Shock Wave Attenuation

#### SHOCK DISCONTINUITY
- GS Discontinuity
  - Shock Discontinuity
  - Density Distribution
  - Wavefronts

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**Note:** The above text includes a variety of terms related to aerospace and defense technologies, including structural forms, shielding materials, and various systems and components. The entries are organized in a thesaurus format to aid in terminology lookup and standardization within these fields.
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<td><strong>RT SHRAPNEL</strong></td>
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<td>JATO ENGINES</td>
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<td>JET FLAPS</td>
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<td>LIFT FANS</td>
<td><strong>RT SHRAPNEL</strong></td>
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<td>LIFTING ROTORS</td>
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<td><strong>RT SHRAPNEL</strong></td>
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SIGNATURE ANALYSIS

SIGNATURES

RT AUDITORY SIGNALS
BEARS
BELLS
CHIP SIGNALS
ELECTRIC PULSES
ERROR SIGNALS
HORNS
MAGNETIC SIGNALS
MESSAGES
PSYCHOMETRIC SEQUENCES
PYROTECHNICS
RADIO SIGNALS
RANDOM SIGNALS
SIGNAL TO NOISE RATIOS
SIRENS
SOUND GENERATORS
TELECOMMUNICATION
TIME SIGNALS
VISUAL SIGNALS
VISUAL STIMULI

SIGNATURE ANALYSIS
RT = ANALYZING
CENSRAL ANALYSIS
DETECTION
IMAGERY
MISSILE SIGNALS
RADAR SIGNALS
SIGNATURES
TARGET RECOGNITION

SIGNATURES
GS SIGNATURES
MAGNETIC SIGNALS
RADAR SIGNALS
MISSILE SIGNALS
SPECTRAL SIGNALS
RT AMPLITUDE DISTRIBUTION ANALYSIS
DETECTION
REPRESENTATIONS
SIGNATURE ANALYSIS
TARGET RECOGNITION
VIDEO LANDMARK ACQUISITION AND TRACKING

SIGNIFICANCE
RT CONFIDENCE LIMITS
CORRELATION
COVARIANCE
DEGREES OF FREEDOM
FINITE DIFFERENCE THEORY
NULL HYPOTHESIS
NUMERICAL ANALYSIS
REGRESSION ANALYSIS
STATISTICAL TESTS

SIGNS (SYMBOLS)
USE SYMBOLS

SIGNS AND SYMPTOMS
UF SYMPTOMS
SYNDROMES
GS SIGN SYMPTOMS
BRADYCARDIA
COUGH
DYSPEA
HEADACHE
HEMATURE
LEUKOPENIA
VERTIGO
RT ARTHRITIS
DISEASES
HALLUCINATIONS
= INDICATION
SYMPTOMATOLOGY

SIKURTSE-ALIN METEORITE
GS CELESTIAL BODIES
METEORITES
IRON METEORITES
SIKURTSE-ALIN METEORITE

SIKIM
RT ASIA
BHUPTAN
INDIA
NATIONS

SIKORSKY AIRCRAFT
GS SIKORSKY AIRCRAFT
H-3 HELICOPTER
H-56 HELICOPTER
H-60 HELICOPTER
S-58 HELICOPTER
S-61 HELICOPTER
S-67 HELICOPTER
S-70 HELICOPTER
SH-3 HELICOPTER
SH-4 HELICOPTER
SH-34 HELICOPTER
SHERMONOKE HELICOPTER
UN-460A HELICOPTER
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RT = AIRCRAFT

SIKORSKY H5-2 HELICOPTER
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USE S-58 HELICOPTER
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SIKORSKY S-44 HELICOPTER
USE CH-54 HELICOPTER
SIKORSKY S-45 HELICOPTER
USE S-50 HELICOPTER
SIKORSKY S-47 HELICOPTER
USE S-47 HELICOPTER

SIKORSKY WHIRLWIND HELICOPTER
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GS SILICON COMPOUNDS
SILICATES
ANDERITE
ARAGONITE
BERYL
CALCITE
CALCIFERITE
CALCIMONTORILLONITE
CALCITE
CALCIUM SILICATES
GEHLENITE
SILICATES
SPRURITE
SPRURITE
CORDERITE
FAYALITE
FELDSPARS
FELDSPARS
FLUOROSILICATES
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GARNETS
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RT REACTION BONDING
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SILICON CARBIDES
GS CARBON COMPOUNDS
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SPURRITE
CORDERITE
FAYALITE
FELDSPARS
FLUOROSILICATES
FORSTERITE

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- SNAP 10A
- RT HEAT EXCHANGERS
- SNAPSHOOT SATELLITE

SNAP 11
GS AUXILIARY POWER SOURCES
- NUCLEAR AUXILIARY POWER UNITS
- SNAP
- SNAP 11
- ELECTRIC GENERATORS
- DIRECT POWER GENERATORS
- RADIOISOTOPE BATTERIES
- SNAP 11
- THERMOELECTRIC GENERATORS
- SNAP 11
- NUCLEAR ELECTRIC POWER GENERATION
- NUCLEAR AUXILIARY POWER UNITS
- SNAP 11

SNAP 13
GS AUXILIARY POWER SOURCES
- NUCLEAR AUXILIARY POWER UNITS
- SNAP
- SNAP 13
- ELECTRIC GENERATORS
- DIRECT POWER GENERATORS
- RADIOISOTOPE BATTERIES
- SNAP 13
- THERMIonic CONVERTERS
- SNAP 13
- NUCLEAR ELECTRIC POWER GENERATION
- NUCLEAR AUXILIARY POWER UNITS
- SNAP
- SNAP 13
- SNAP 13

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- NUCLEAR AUXILIARY POWER UNITS
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- DIRECT POWER GENERATORS
- RADIOISOTOPE BATTERIES
- SNAP 15
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- SNAP 15
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- NUCLEAR AUXILIARY POWER UNITS
- SNAP
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- NUCLEAR AUXILIARY POWER UNITS
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- DIRECT POWER GENERATORS
- RADIOISOTOPE BATTERIES
- SNAP 17
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- NUCLEAR AUXILIARY POWER UNITS
- SNAP
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- NUCLEAR AUXILIARY POWER UNITS
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- RADIOISOTOPE BATTERIES
- SNAP 19
- THERMOELECTRIC GENERATORS
- SNAP 19
- NUCLEAR ELECTRIC POWER GENERATION
- NUCLEAR AUXILIARY POWER UNITS
- SNAP
- SNAP 19

SNAP 21
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- NUCLEAR AUXILIARY POWER UNITS
- SNAP

SNAP 21 (CONT.)
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- ELECTRIC GENERATORS
- DIRECT POWER GENERATORS
- RADIOISOTOPE BATTERIES
- SNAP 21
- THERMOELECTRIC GENERATORS
- SNAP 21
- NUCLEAR ELECTRIC POWER GENERATION
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- SNAP
- SNAP 21

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- NUCLEAR AUXILIARY POWER UNITS
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- SNAP 23
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- SNAP
- SNAP 23

SNAP 27
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SNAP 29
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SNAP 30
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- NUCLEAR AUXILIARY POWER UNITS
- SNAP
- SNAP 30
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- NUCLEAR AUXILIARY POWER UNITS
- SNAP
- SNAP 30

SNAP 31
GS SNAPHOTO SATELLITE
- SNAPSHOOT SATELLITE
- GS SATELLITES
- ARTIFICIAL SATELLITES

SNAPTRAN REACTOR
RT Reactors
SNAP

SNATCHING
USE SPACECRAFT RECOVERY

SNEAK CIRCUIT ANALYSIS
GS NETWORK ANALYSIS
RT AUTOMATIC TEST EQUIPMENT
- CIRCUIT PROTECTION
- CIRCUIT RELIABILITY
- CRITICAL PATH METHOD
- ELECTRIC NETWORKS
- ELECTRICAL FAULTS
- REIBILITY ENGINEERING
- SHORT CIRCUITS
- SIGNAL FLOW GRAPHS
- TREES (MATHEMATICS)

SNEEZING
GS REFLEXES
- RESPIRATORY REFLEXES
- SNEEZING
- INVOLUNTARY ACTIONS
- VASOCOnSTRUCTION

SNELLEN TESTS
RT VISUAL ACUITY

SHELLS LAW
GS LAWS
SNELL'S LAW
RT GEOMETRICAL OPTICS
- OPTICS
- REFRACTION
- REFRACTIVITY

SNOW
GS PRECIPITATION (METEOROLOGY)
- SNOW
- ACID RAIN
- CIRQUES (LANDFORMS)
- CLOUD GLACIATION
- ICE FORMATION
- SLUSH
- STORMS (METEOROLOGY)

SNOW AERIAL APPLICATOR AIRCRAFT S-2B
USE S-2 AIRCRAFT

SNOW AIRCRAFT
GS SNOW AIRCRAFT
- S-2 AIRCRAFT
- AIRCRAFT
- UTILITY AIRCRAFT

SHOW COVER
GS PRECIPITATION (METEOROLOGY)
- SHOW COVER
- CLOUD GLACIATION
- COLD WEATHER
- STORM DAMAGE
- STORMS
- STORMS (METEOROLOGY)

SNOW S-2 AIRCRAFT
USE S-2 AIRCRAFT

SNOWPLOW EFFECT
USE PLASMA DYNAMICS

SNOWSTORMS
GS STORMS
- STORMS (METEOROLOGY)
- SNOWSTORMS
- CLIMATOLOGY
- PRECIPITATION (METEOROLOGY)
- STORM ENHANCEMENT
- STORM SUPPRESSION
- WEATHER FORECASTING
- WEATHER MODIFICATION

SNOWSHOEING (USE OF A MORE SPECIFIC TERMIN IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)
SN
SOAKING
- SOAKING
### Solar Compasses (cont.)

- Beacons
- Deca Navigation
- Display Devices
- Distance Measuring Equipment
- Flight Control
- Flight Instruments
- Flight Paths
- Gyrocopes
- Helicopters
- Homing Devices
- Landing Aids
- Loran
- Magnetic Compasses
- Omnidirectional Radio Ranges
- Position Indicators
- Radar Beacons
- Radio Navigation
- Self-calibrating Omnimrange
- Shoran
- Tacon
- VHF Omnimrange Navigation
- Weather

### Solar Constant

- GS Constants
  - Solar Constant Rates (per time)
  - Flux Density
  - Radiant Flux Density
  - Irradiance
- Solar Constant
- Solar Flux Density
- Solar Constant
- Radiant Flux Density
- RT Illuminance
- Particle Flux Density

### Solar Converters

- Use Solar Generators

### Solar Cooling

- GS Cooling
- Solar Cooling
- RT Cooling Systems
- Domestic Energy
- Energy Technology
- Residential Energy
- Space Cooling (Buildings)

### Solar Corona

- Use Solar Nebula
- GS Coronas
- Stellar Coronas
- Solar Corona
- Coronal Loops
- RT Chromosphere
- Electric Corona
- Nebulae
- Stellar Structure

### Solar Corpuscular Radiation

- Use Solar Streams
- GS Extraterrestrial Radiation
- Solar Radiation
- Solar Corpuscular Radiation
- Solar Electrons
- Solar Neutrons
- Solar Protons
- Particles
- Corpuscular Radiation
- Solar Corpuscular Radiation
- Solar Electrons
- Solar Protons
- RT M Region
- Sunspot Storm Commencements
- Sun

### Solar Cosmic Rays

- GS Extraterrestrial Radiation
- Primary Cosmic Rays
- Solar Radiation
- Solar Cosmic Rays
- Solar Radiation
- Solar Cosmic Rays
- Solar Cosmic Rays
- Cosmic Rays
- Solar Cosmic Rays
- Cosmic Rays
- Solar Cosmic Rays
- Particles
- Corpuscular Radiation
- Primary Cosmic Rays
- Solar Cosmic Rays
- RT Electron Acceleration
- Enigmatic Particles
- Grist (Telescope)

### Solar Cycles

- GS Cycles
- Solar Cycles
- Sunspot Cycle
- RT International Quiet Sun Year
- Solar Events
- Solar Variations
- Sun
- Sunspots
- Twenty-seven day Variation

### Solar Diameter

- RT Astrometry
- Solar Eclipses
- Solar Disk
- Use Sun

### Solar Eclipses

- GS Eclipses
- Solar Eclipses
- Occultation
- Lunar Occultation
- Solar Eclipses
- RT Lunar Shadow
- Solar Diameter

### Solar Electric Propulsion

- GS Propulsion
- Solar Electric Propulsion
- Low Thrust Propulsion
- Solar Propulsion
- Solar Electric Propulsion
- Spacecraft Propulsion
- Solar Propulsion
- Solar Electric Propulsion
- Solar Powered Aircraft
- Solar Thermal Propulsion

### Solar Electrons

- GS Extraterrestrial Radiation
- Solar Radiation
- Solar Corpuscular Radiation
- Solar Electrons
- Particles
- Corpuscular Radiation
- Solar Corpuscular Radiation
- Solar Electrons
- Solar Electrons

### Solar Energy

- RT Circumlunar Telescopes
- Clean Energy
- = Energy
- Energy Absorption Films
- Solar Energy
- Phase Change Materials
- Solettas
- Solar Energy Absorbers
- Absorbers (Materials)
- Electromagnetic Absorption
- Photothermal Conversion
- Trombe Walls

### Solar Energy Conversion

- GS Energy Conversion
- Solar Energy Conversion
- Solar Total Energy Systems
- RT Coherence
- Energy Technology
- Heterojunction Devices
- Hydrogen Production
- Phase Change Materials
- Photovoltaic Generators
- Photoneurochemical Devices
- Photothermal Conversion
- Space Cooling (Buildings)

### Solar Faculae

- Use Faculae

### Solar Flares

- GS Flares
- Solar Activity
- Stellar Flares
- Solar Flares
- RT Corona Loops
- Flare Stars
- = Flares
- = Forbush Decreases
- Solar Flares
- Solar Solar Flares
- Solar Maximum Mission

### Solar Heating

- Solar Heating
- GS Solar Heating
- Solar Heating
- RT Bioconversion
- Hydrothermal Systems

### Solar Flares (cont.)

- Forbush Storm Commencements
- Sunspots

### Solar Flux

- GS Rates (per time)
- Flux Density
- Solar Flux Density
- Solar Constant
- RT Electromagnetic Density
- Helios Satellites
- Illuminance
- Irradiance
- Luminance
- Luminous Intensity
- Particle Flux Density
- Proton Flux Density
- Radiance
- Radiation Pressure

### Solar Furnaces

- Use Heating Equipment
- Furnaces
- Solar Furnaces
- RT Forbush Decreases
- Melting
- Vacuum Furnaces

### Solar Generators

- Use Solar Converters
- Solar Power Generation
- Solar Power Sources
- GS Electric Generators
- GS Generators
- Solar Auxiliary Power Units
- ASTEC Solar Turbogenerator
- Solar Auxiliary Power System
- Solar Cells
- Homojunctions
- Vertical Junction Solar Cells
- RT Direct Power Generators
- Fuel Cells
- Paddles
- Photovoltaic Cells
- Photovoltaic Generators
- Photovoltaic Cells
- = Power Supplies
- Rankine Cycle
- Solar Sea Power Plants
- Thermoelectric Generators
- Turbogenerators

### Solar Granulation

- GS Electromagnetic Properties
- Optical Properties
- Brightness
- Solar Granulation
- Photosphere
- Solar Granulation
- RT Benard Cells
- Brightness Distribution
- Convection Currents
- Limb Brightening
- Surface Layers
- Temperature Effects

### Solar Gravitation

- Use Ejection
- GS Gravitation
- Solar Gravitation
- RT Sun

### Solar Heating

- GS Heating
- Solar Heating
- RT Bioconversion
- Hydrothermal Systems

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SOLID ROTATION

SOLID ROCKET PROPELLANTS-(CONT.)
- PROPELLANT GRAINS
- RDX
- ROCKET ENGINES
- SLURRY PROPELLANTS

SOLID ROTATION
- USE
- ROTATING BODIES

SOLID SOLUTIONS
- GS MIXTURES
- SOLUTIONS
- SOLID SOLUTIONS
- RT AGING (METALLURGY)
- ALLOYS
- LIQUID PHASES
- LIQUIDUS
- LIQUID PHASE MELTING POINTS
- ORDER-DISORDER TRANSFORMATIONS
- PHASE DIAGRAMS
- PRECIPITATION HARDENING
- SOLIDS
- SUPERSATURATION
- TERMINARY SYSTEMS

SOLID STATE
- GS ELECTRONIC EQUIPMENT
- RT CRYSTALLIZATION
- ENERGY GAP (SOLID STATE)
- MELTING POINTS
- METALLIC HYDROGEN

SOLID STATE DEVICES
- GS ELECTRONIC EQUIPMENT
- SOLID STATE DEVICES
- CRYOTRONS
- CRYSTAL RECTIFIERS
- METAL-NITRIDE-OXIDE-SEMICONDUCTORS
- MULTISPECTRAL LINEAR ARRAYS
- SEMICONDUCTOR DEVICES
- AVALANCHE DIODES
- BARRITT DIODES
- GERMANIUM DIODES
- HETERJUNCTION DEVICES
- JUNCTION DIODES
- LED DIODES
- LED Diode Arrays
- STEP RECOVERY DIODES
- LIGHT EMITTING DIODES
- METAL OXIDE SEMICONDUCTORS
- CHARGE TRANSFER DEVICES
- SIGNAL GATE DEVICES
- CHARGE COUPLED DEVICES
- FAIRCHILD CCD-456 MEMORY
- CMOS
- SOS (SEMICONDUCTORS)
- MIM (SEMICONDUCTORS)
- MIS (SEMICONDUCTORS)
- NMOS SEMICONDUCTOR DEVICES
- NEUROSTORS
- PARAMETRIC DEVICES
- PHOTO DEVICES
- PHOTOVOLTAIC CELLS
- SCHOTTKY DIODES
- SEMICONDUCTOR LASERS
- GALLIUM ARSENIDE LASERS
- SILICON LASERS
- THYRISTORS
- THERMISTORS
- SILICON CONTROLLED RECTIFIERS
- TRANSFERRED ELECTRON DEVICES
- TRANSISTOR AMPLIFIERS
- TRANSISTORS
- BIPOLAR TRANSISTORS
- FIELD EFFECT TRANSISTORS
- CHARGE FLOW DEVICES
- JFET
- JUNCTION TRANSISTORS
- JFET
- PHOTO TRANSISTORS
- SILICON TRANSISTORS
- SOS (SEMICONDUCTORS)
- TRAFFIC DEVICES
- VARIOUS DIODES
- VARISTORS
- SIS (SEMICONDUCTORS)
- SOLID STATE LASERS
- GALLIUM ARSENIDE LASERS
- RUBY LASERS
- YAG LASERS
- RT AMPLIFIERS
- BUBBLE TECHNIQUE
- CAPACITORS

SOLID STATE DEVICES-(CONT.)
- =DEVICES
- ELECTRIC BRIDGES
- LASER CAVITIES
- MINIATURE ELECTRONIC EQUIPMENT
- OSCILLATORS
- PHOTOMASKS
- RECTIFIERS
- RESISTORS
- SIGNAL GENERATORS
- SUPERCONDUCTORS
- THIN FILMS
- TRANSFORMERS
- WAFERS

SOLID STATE LASERS
- GS ELECTRONIC EQUIPMENT
- SOLID STATE DEVICES
- GALLIUM ARSENIDE LASERS
- RUBY LASERS
- YAG LASERS

SOLID STATE PHYSICS
- =SOLID STATE PHYSICS
- USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW
- RT CRYSTALLOGRAPHY
- ELECTRICAL PROPERTIES
- ELECTRON MOBILITY
- ENERGY GAP (SOLID STATE)
- FORBIDDEN TRANSITIONS
- HOLE MOBILITY
- MAGNETIC PROPERTIES
- OPTICAL PROPERTIES
- SEMICONDUCTORS (MATERIALS)
- SUPERCONDUCTIVITY
- THEORETICAL PHYSICS
- THIN FILMS
- TRANSPORT PROPERTIES

SOLID SURFACES
- GS SOLID SURFACES
- CRYSTAL SURFACES
- LIQUID SURFACES
- METAL SURFACES
- SURFACE CRACKS
- SURFACE FINISHING SURFACE PROPERTIES
- =SURFACES

SOLID SUSPENSIONS
- GS MIXTURES
- SOLID SUSPENSIONS
- COLLOIDAL PROPPELLANTS
- COMPOSITE MATERIALS
- METALLOGRAPHY
- PHASE DIAGRAMS
- =SUSPENSIONS

SOLID WASTES
- GS WASTES
- WASTE
- SEWAGE
- SOLID WASTES
- COMPOSTING
- GARBAGE
- HUMAN WASTES
- INDUSTRIAL WASTES
- LANGFILLS
- LIQUID WASTES
- METABOLIC WASTES
- POLLUTION
- RADIOACTIVE WASTES
- RESIDUES
- SLUDGE
- WASTE DISPOSAL
- WASTE ENERGY UTILIZATION
- WASTE UTILIZATION
- SOLID-SOLID INTERFACES
- GS INTERFACES
- SOLID-SOLID INTERFACES

SOLIDS FLOW
- GS FLOW
- SOLIDS FLOW
- LIQUID FLOW
- MASS FLOW
- MULTIPHASE FLOW
- PARTICLE SIZE DISTRIBUTION
- STEADY FLOW
- TWO PHASE FLOW
- UNIFORM FLOW
- UNSTEADY FLOW

SOLIDS
- RT BINARY SYSTEMS (MATERIALS)
- LIQUID PHASES
- LIQUIDUS
- SOLID PHASES

SOLIQUES
- RT CIRCUITS
- DIODES
- INTEGRATORS
- INTEGRATED CIRCUITS

SOLITARY WAVES
- UF SOLITONS
- GS TRAVELING WAVES
- . . . SOLITARY WAVES
- BACKWARD WAVES
- CNODAL WAVES
- ELASTIC WAVES
- ELECTROMAGNETIC RADIATION
- PLANET WAVES
- PULSES
- RADIO WAVES
- RATES (PER TIME)
- VELOCITY

NASA THESAURUS (VOLUME 1)
SORBATES

SORBENTS

SORTING

SORTIE CAN

SORTIE LAB

SOPRITON

SORET COEFFICIENT

SORGHUM

SORPTION

SOUND DETECTING AND RANGING

SOUND DETECTORS

SOUND FIELDS

SOUND GENERATORS

SOUND HOLOGRAPHY

SOUND LOCALIZATION

SOUND MEASUREMENT

SOUND PERCEPTION

SOUND PROPAGATION

SOUND PROPAGATION-CONT.

SOUND PROPAGATION-TRANSMISSION

SOUND VELOCITY

SOUND WAVES

SOUND WAVES (CONT.)

SOUND WAVES TRANSMISSION

SOUND WAVE VELOCITY
NASA THESAURUS (VOLUME 1)

SOUND WAVES-(CONT.)
- Phonons
- Plane Waves
- Polarized Elastic Waves
- Reverberation
- Shock Waves
- Sonograms
- Surface Acoustic Wave Devices
- Ultrasonic Radiation
- Waves

SOUND-SOUND INTERACTIONS
- RT Harmonics
- GS Intermodulation
- UF Wave Dispersion

SOUNDERS
- USE SOUNDING

SOUNDING
- UF SOUNDERS
- GS SOUNDING
  - Acoustic sounding
  - Atmospheric sounding
  - Balloon soundings
  - Echo sounding
  - Ionospheric sounding
  - Microwave sounding
  - Rocket sounding
  - Satellite sounding
- RT BATHYMETERS
- USE Depth measurement
- GS Measurement
  - Meteorological balloons
  - Meteorological flight
  - Robin balloons
  - Sondes

SOUNDING ROCKETS
- UF MICROSCOPIC ROCKETS
- GS ROCKET VEHICLES
  - Acoustic sounding rockets
  - Atmospheric sounding rockets
  - Balloon sounding rockets
  - Echo sounding rockets
  - Ionospheric sounding rockets
  - Microwave sounding rockets
  - Rocket sounding rockets
  - Satellite sounding rockets
- RT VOTING
- USE Rockets
  - Argos sounding rockets
  - Javelin sounding rockets
  - Kappa rocket vehicles
  - Lambda rocket vehicles
  - LEO rocket vehicles
- USE Thrust sounding rockets
  - KOP-220 rocket vehicle
  - Petrel sounding rocket
  - Phoenix sounding rocket
  - Shotput sounding rockets
  - Skylark rocket vehicle
  - Venus fly trap rocket vehicle
  - Veronique rocket vehicles
  - Veronique V-27 rocket vehicle
  - Veronique V-37 rocket vehicle
  -Vertical 8 rocket
- RT Acoustic sounding
  - Argos D-4 rocket vehicle
  - Ionosondes
  - Javelin rocket vehicle

SOUNDING ROCKETS-(CONT.)
- Meteorological instruments
- Meteorological satellites
- Nike-ASP rocket vehicle
- Nike-Javelin rocket vehicle
- Payload control
- Radiosondes
- Rocket sounding
- Sondes
- Viking rocket vehicle

SOUNDS (TOPOGRAPHIC FEATURES)
- GS SOUNDS (TOPOGRAPHIC FEATURES)
  - Block Island sound (RI)
  - Chesapeake Bay (US)
  - Inlets (topography)
  - Oceans
  - Rivers
  - Water

SOURCE PROGRAMS
- GS COMPUTER PROGRAMS
- SOURCE PROGRAMS
- Programs

= SOURCES
- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
  - RT Causes
  - Derivation
  - Extragalactic radio sources
  - Ion sources
  - Nonpoint sources
  - Radiation sources
  - Radio sources (astronomy)
  - Sink

SOUTHERN CALIFORNIA
- USE Republik of South Africa
- GS Regions

SOUTHERN HEMISPHERE
- GS SOUTHERN HEMISPHERE
- ANTARCTIC REGIONS
- MCALPINO SOUND
- ROSS ICE SHELF
- RT HEMISPHERES
- NORTHERN HEMISPHERE
- SOUTHERN SKY

SOUTHERN SKY
- RT SOUTHERN HEMISPHERE
- USE SOUTHERN HEMISPHERE

SOUTHERN YEMEN
- GS REGIONS
- SOUTHERN YEMEN

SOVIET SPACECRAFT
- USE Republic of South Africa
- GS Regions

SOUTH AMERICA
- GS CONTINENTS
- SOUTH AMERICA
- RT Andes Mountains (South America)
- Argentina
- Bolivia
- Brazil
- Chile
- Colombia
- Ecuador
- French Guinea
- Guyana
- Magdalena-Cauca Valley (Colombia)
- Paraguay
- Peru
- Surinam
- Trinidad and Tobago
- Uruguay
- Venezuela

SOUTH CAROLINA
- USE UNITED STATES OF AMERICA
- South Carolina

SOUTH DAKOTA
- USE UNITED STATES OF AMERICA
- South Dakota
- RT Black Hills (SD-WY)
- Missouri river (US)

SOUTH KOREA
- USE REPUBLIC OF KOREA
- RT Asia
- Korea
- NATIONS
- North Korea

SOUTH VIETNAM
- USE VIETNAM

SOUTH WEST AFRICA
- USE Namibia

SOUTHEAST ASIA
- GS REGIONS
- SOUTHEAST ASIA
- RT Asia
- Vietnam

SOVIET SPACECRAFT
- USE Republic of South Africa
- GS Regions

SOVIET SPACECRAFT
- Cosmos satellites
- Cosmos 1 satellite
- Cosmos 2 satellite
- Cosmos 3 satellite
- Cosmos 4 satellite
- Cosmos 5 satellite
- Cosmos 6 satellite
- Cosmos 7 satellite
- Cosmos 8 satellite
- Cosmos 11 satellite
- Cosmos 12 satellite
- Cosmos 15 satellite
- Cosmos 17 satellite
- Cosmos 41 satellite
- Cosmos 44 satellite
- Cosmos 53 satellite
- Cosmos 54 satellite
- Cosmos 55 satellite
- Cosmos 71 satellite
- Cosmos 110 satellite
- Cosmos 127 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 482 satellite
- Cosmos 1128 satellite
- Cosmos 1129 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
- Interkosmos satellites
- Cosmos 782 satellite
- Cosmos 906 satellite
- Lunokhod probes
- Lunik lunar probes
- Lunik 1 lunar probe
- Lunik 2 lunar probe
- Lunik 3 lunar probe
- Lunik 4 lunar probe
- Lunik 9 lunar probes
- Lunik 10 lunar probe
- Lunik 11 lunar probe
- Lunik 12 lunar probe

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SPONTANEOUS COMBUSTION-(CONT.)
PYROPHORIC MATERIALS

SPONTANEOUS EMISSION
GS
DECAY
. EMISSION
. SPONTANEOUS EMISSION
RT
ATOMIC ENERGY LEVELS
. ELECTROMAGNETIC RADIATION
EMISSION SPECTRA
SPECTRAL EMISSION

SPOOLS
RT CONTAINERS
INSERTS
MAGAZINES (SUPPLY CHAMBERS)
REELS
SPOKES

SPORADIC E LAYER
GS
. UPPER ATMOSPHERE
.IONOSPHERE
..E REGION
. SPORADIC E LAYER
RT
E-1 LAYER
E-2 LAYER
E-3 LAYER
MEDITATL ATMOSPHERE

SPORADIC METEOROIDS
SN (METEOROIDS NOT ASSOCIATED WITH A METEORID SHOWER OR STREAM)
GS
CELESTIAL BODIES
. METEOROIDS
. SPORADIC METEOROIDS
RT
METEOR TRAILS
METEORID CONCENTRATION

SPORES
GS
. ANIMALS
. INVERTEBRATES
. SPORES
. MICROSPORES
Fungi
. SPORES
. MICROSPORES
MICROORGANISMS
. SPORES
RT
. PLANTS (BOTANY)
. REPRODUCTION
. TETRAD THEORY

SPOT (FRENCH SATELLITE)
GS
. EARTH OBSERVATIONS (FROM SPACE)
. SPOT (FRENCH SATELLITE)
SATELLITES
. ARTIFICIAL SATELLITES
. SPOT (FRENCH SATELLITE)
RT
CROP IDENTIFICATION
EARTH RESOURCES
LAND USE
MAPPING
SOIL MAPPING
STEREOGRAPHY

SPOT WELDS
GS
. JOINTS (JUNCTIONS)
. METAL JOINTS
. WELDED JOINTS
. SPOT WELDS
RT
ARC WELDING
BEADS
ELECTRIC WELDING
FUSION WELDING
PRESSURE WELDING
ULTRASONIC WELDING

SPRAY CHARACTERISTICS
RT
. CHARACTERISTICS
SPRAYERS
SPRAYING

SPRAY CONDENSERS
RT
. JET CONDENSERS
. SPRAYERS

SPRAY NOZZLES
RT
. ANNUAL NOZZLES
. CONICAL NOZZLES
FUEL INJECTION
FUEL SYSTEMS

SPRAY NOZZLES-(CONT.)
INJECTORS
NOZZLES
ORIFICES
SPRAYERS

SPRAYED COATINGS
UF
SPRAYED PROTECTIVE COATINGS
GS
. SPRAYED PROTECTIVE COATINGS
RT
CERAMIC COATINGS
DIELECTRICS
FINISHES
LACQUERS
METAL COATINGS
PAINTS
PLASMA SPRAYING
PLASTIC COATINGS
PRIMERS (COATINGS)
PROTECTIVE COATINGS
VARNISHES

SPRAYED PROTECTIVE COATINGS
USE
PROTECTIVE COATINGS
SPRAYED COATINGS

SPRAYERS
UF
SPRAYING APPARATUS
SPRAYERS
RT
ATOMIZERS
BLOWERS
COLLOIDAL GENERATORS
CONTACTORS
CONTAINERS
DIFFUSERS
DISPENSERS
DISTRIBUTORS
DROPS (LIQUIDS)
EJECTORS
FUEL SPRAYS
JETS
MATERIALS HANDLING
MIXERS
NOZZLES
PROPELLANT SPRAYS
SPRAY CHARACTERISTICS
SPRAY CONDENSERS
SPRAY NOZZLES
SPRAYING
VAPORIZERS

SPRAYING
GS
SPRAYING
. ARC SPRAYING
. CROP DUSTING
. FLAME SPRAYING
. METAL SPRAYING
. PLASMA SPRAYING
AEROSOLS
ATOMIZING
BLOWING
COATING
COATINGS
DIFFUSION
DISPERSING
ENTRAINMENT
FORMING TECHNIQUES
FUMIGATION
LIQUID ATOMIZATION
METALLIZING
MIXING
PREMIXING
SEALING
SPRAY CHARACTERISTICS
SPRAYERS
SPRINKLING
VAPORIZING
WETTING

SPRAYING APPARATUS
USE SPRAYERS

SPREAD
GS
. SPREAD REFLECTION
OPTICAL REFLECTION
SCATTERING
SIGNAL REFLECTION
ULTRAVIOLET REFLECTION
WAVE REFLECTION
GS
SPREAD SPECTRUM TRANSMISSION
ATOMIC ENERGY LEVELS
. ELECTROMAGNETIC WAVE TRANSMISSION
. RADIO TRANSMISSION
. SPREAD SPECTRUM TRANSMISSION
RT
COMMUNICATION
FREQUENCY HOPPING

SPREAD NOZZLES-(CONT.)
GS
OPTICAL REFLECTION
SCATTERING
SIGNAL REFLECTION
ULTRAVIOLET REFLECTION
WAVE REFLECTION

SPRINT MISSILE
GS
MISSILES
. ANTIMISSILE MISSILES
. SPRINT MISSILES
. SPREAD MISSILE
RT
NIKE-ZEUS MISSILE
SENTINEL SYSTEM
SPREAD SPECTRUM TRANSMISSION
SOLID PROPPELLANT ROCKET ENGINES
SPARTAN MISSILE

SPRINT NOZZLES-(CONT.)
GS
NOZZLES
ORIFICES
SPRAYERS

SPRINT NOZZLES-(CONT.)
. ANNUAL NOZZLES
. CONICAL NOZZLES
FUEL INJECTION
FUEL SYSTEMS

SPRUNT NOZZLES-(CONT.)
. ANNUAL NOZZLES
. CONICAL NOZZLES
FUEL INJECTION
FUEL SYSTEMS

SPUR (REACTORS)
USE
SPACE POWER UNIT REACTORS

SPURRATE
GS
CALCIIUM COMPOUNDS
. CALCIUM CARBONATES
. SPURRATE
. CALCIUM SILICATES
SPURRATE
CALCIUM COMPOUNDS
. CARBONATES
. CALCIUM CARBONATES
. SPURRATE
MINERALS
. SPURRATE
SILICON COMPOUNDS
. SILICATES
. CALCIUM SILICATES
STABILIZERS (FLUID DYNAMICS)

STABILIZERS (AGENTS)—(CONT.)

STABILIZERS (FLUID DYNAMICS)

UF HORIZONTAL STABILIZERS
VERTICAL STABILIZERS
VERTICAL TAILS

GS STABILIZERS (FLUID DYNAMICS)
HORIZONTAL TAIL SURFACES
AERIAL RUDDERS
AIRFOILS
CONTROL SURFACES
ELEVATORS (CONTROL SURFACES)
FINS
RUDDERS
STACKS

STACKS (CONTROL SURFACES)

STACKING FAULTS
USE CRYSTAL DEFECTS

STACKING FAULT ENERGY
RT CRYSTAL DEFECTS
疞 ENERGY

STACKING FAULTS
USE CRYSTAL DEFECTS

STACKS
RT CHIMNEYS
CRYSTAL DEFECTS
MATERIALS HANDLING

STABILIZED (SATELLITE TRACKING NETWORK)
USE STN (NETWORK)

STABILIZERS (FLUID DYNAMICS)

STABILIZERS (AGENTS)—(CONT.)

STAGNATION PRESSURE
GS PRESSURE
RT COMPRESSIBLE FLOW
INLET PRESSURE

STAGNATION TEMPERATURE
GS TEMPERATURE
RT AERODYNAMIC STALLING
ENGINE FAILURE

STAGNATION PRESSURE
GS STAGNATION PRESSURE
RT INLET PRESSURE

STAGNATION TEMPERATURE
GS STAGNATION TEMPERATURE
RT AERODYNAMIC FLOW
INCOMPRESSIBLE FLOW

STAINING
RT CHEMICAL TESTS
DISCOLORATION
MARKING
METHYLENE BLUE

STAINLESS STEELS
GS IRON ALLOYS
ALLOYS
STEELS
STAINLESS STEELS
AUSTENITIC STAINLESS STEELS
FERRITIC STAINLESS STEELS
MARTENSITIC STAINLESS STEELS

CHROMIUM ALLOYS
MOLYBDENUM ALLOYS
NICKEL ALLOYS
NICKEL STEELS

STAIRCASES
USE STAIRWAYS

STAIRCASES
USE STAIRWAYS

STAIRCASES
RT BUILDINGS
ESCALATORS
LADDERS
TREDS

STAIRWAYS
USE STAIRWAYS

STANDARD DEVIATION—(CONT.)

VARIANCE (STATISTICS)

STANDARD LAUNCH VEHICLE F 1
GS LAUNCH VEHICLES
STANDARD LAUNCH VEHICLE F 1
ROCKET VEHICLES
STANDARD LAUNCH VEHICLE F 1
ROCKET VEHICLES

STANDARD LAUNCH VEHICLE 1
GS LAUNCH VEHICLES
STANDARD LAUNCH VEHICLE 1
ROCKET VEHICLES
STANDARD LAUNCH VEHICLE 1
ROCKET VEHICLES

STANDARD LAUNCH VEHICLE 1B
GS LAUNCH VEHICLES
STANDARD LAUNCH VEHICLE 1B
ROCKET VEHICLES
STANDARD LAUNCH VEHICLE 1B
ROCKET VEHICLES

STANDARD LAUNCH VEHICLE 2A
GS LAUNCH VEHICLES
STANDARD LAUNCH VEHICLE 2A
ROCKET VEHICLES
STANDARD LAUNCH VEHICLE 2A
ROCKET VEHICLES

STANDARD LAUNCH VEHICLE 3
USE ATLAS SLV-3 LAUNCH VEHICLE

STANDARD LAUNCH VEHICLE 5
GS LAUNCH VEHICLES
STANDARD LAUNCH VEHICLE 5
ROCKET VEHICLES
STANDARD LAUNCH VEHICLE 5
ROcket VEHICLES

STANDARD LAUNCH VEHICLES
USE SLV
GS LAUNCH VEHICLES
STANDARD LAUNCH VEHICLES
ROCKET VEHICLES
STANDARD LAUNCH VEHICLES
ROCKET VEHICLES

STANDARD LAUNCH VEHICLES
RT ATLAS D ICBM
BLUE SCOUT JR ROCKET VEHICLE

STANDARDIZATION
GS STANDARDIZATION
COMMONALITY (EQUIPMENT)
METRICATION
NAMING
NUMERICAL CONTROL
PRODUCT DEVELOPMENT
QUALITY CONTROL
SPECIFICATIONS
STANDARDS
VARIABILITY

STANDARDIZED SPACE GUIDANCE
GS GUIDANCE (MOTION)
STANDARDIZED SPACE GUIDANCE
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### STYROFOAM (TRADEMARK)
- POLYSTYRENE
- POLYSTYRENE (TRADEMARK)

### SUBARCTIC REGIONS
- GS REGIONS
- SUBARCTIC REGIONS
- RT ARCTIC REGIONS

### SUBASSEMBLIES
- UF SUBCIRCUITS
- GS ASSEMBLIES
- SUBASSEMBLIES
- RT ACCESSORIES

### SUBCIRCUITS
- USE CIRCUITS
- SUBASSEMBLIES

### SUBCONTRACTS
- GS CONTRACTS
- SUBCONTRACTS
- RT AGREEMENTS

### SUBCRITICAL FLOW
- GS FLUID FLOW
- SUBCRITICAL FLOW
- RT CRITICAL FLOW

### SUBCRITICAL MASS
- GS MASS
- SUBCRITICAL MASS
- RT CRITICAL MASS

### SUBDIVISIONS
- RT DIVISION
- GROUPS
- SECTIONS
- SET THEORY
- SUBGROUPS

### SUBDWARF STARS
- GS CELESTIAL BODIES
- STARS
- DWARF STARS

### SUBGIANST STARS
- GS CELESTIAL BODIES
- STARS
- DWARF STARS

### SUBHARMONIC GENERATORS
- RT DAMPING
- GENERATORS

### SUBHARMONIC OSCILLATORS
- GS OSCILLATORS

### SUBIC PROJECT
- USE SUBMARINE INTEGRATED CONTROL PROJECT

### SUBJECTS
- GS CLASSIFICATIONS
- SUBJECTS
- RT HANDBOOKS

### SUBLATTICES
- USE LATTICES (MATHEMATICS)

### SUBLAYER
- USE LAYERS

### SUBLETHAL DOSAGE
- GS DOSAGE
- SUBLETHAL DOSAGE

### SUBMERGING
- UF IMMERSION
- BATHS

### SUBORBITAL FLIGHT
- SUBMARINE INTEGRATED CONTROL PROJECT
- SUBMARINE PROPELLION
- SUBMERGED BODIES
- SUBORBITAL FLIGHT
Sudden Storm Commencements
RT Magnetic Disturbances
Magnetic Storms
Solar Activity Effects
Solar Corpuscular Radiation
Solar Flares
Storms

Sugar Beets
GS Farm Crops
Sugar Beets
RT Agriculture
Botany
Crop Growth
Crop Vigor
Earth Resources
Farmlands
Irrigation
Seeds
Sugars

Sugar Cane
GS Farm Crops
Sugar Cane
Plants (Botany)
Sugars
RT Agriculture
Botany
Crop Growth
Crop Vigor
Earth Resources
Farmlands
Food
Irrigation
Seeds

Sugars
GS Aliphatic Compounds
Sugars
RT Aliphatic Compounds
Dextrose
Galactose
Glucose
Hexoses
Inositol
Lactose
Manitol
Monosaccharides
Ribose
Xylose
Pentose
Ribo
Xylose
Sucrose
Carbohydrates
Sugar Cane

Sodium Sulfates
GS Sulfates
Sulphates
GS Sulfates
Barite
Hydroxyamine Sulfate
Lithium Sulfates
Magnesium Sulfates
Hexahedrite
Sodium Sulfates
Gypsum
Sulfuric Acid

Sulfation
GS Chemical Reactions
Sulfation
RT Hydrometallurgy
Sulfides
GS Chalcogenides
Sulfides
RT Sulfides
Carbon Disulfide
Indium Sulfides
Lead Sulfides
Molybdenum Sulfides
Molybdenum Disulfides
Poly sulfides
Strontium Sulfides
Zinc Sulfides
Wurtzite
Zincblende
Pyrites
Pyrrhotite
Trolite
Sulfur Compounds

Sulfur Fluorides
Sulfonates
GS Chalcogenides
Sulfonates
GS Sulfur Compounds
Sulfites
RT Sulfites
Hydrogen Sulfide
Indium Sulfides
Lead Sulfides
Molybdenum Sulfides
Molybdenum Disulfides
Poly sulfides
Strontium Sulfides
Zinc Sulfides
Wurtzite
Zincblende
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- COMPUTER SYSTEMS ANALYSIS
- COMPUTER PROGRAMMING
- COMPUTER SYSTEMS PROGRAMS
- COMPUTER SYSTEMS SIMULATION
- COMPUTER SYSTEMS ANALYSIS

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- USE SYSTEMS ENGINEERING

SYSTEMS ENGINEERING
- GS SYSTEMS DESIGN
- RT AEROSPACE SYSTEMS
- AEROSPACE SYSTEMS
- AIRCRAFT DESIGN
- AUTOMATION
- BIOSYS
- BOND GRAPHS
- COMMUNICATING
- CONTRACT MANAGEMENT
- CONTROL
- CRITICAL PATH METHOD
- SYSTEMS DESIGN
- ELECTRICAL ENGINEERING
- ENGINEERING
- EXPERIMENTAL DESIGN
- FORECASTING
- FUNCTIONAL DESIGN SPECIFICATIONS
- HUMAN FACTORS ENGINEERING
- INFORM SYS
- OBSERVABILITY (SYSTEMS)
- OPERATIONS
- OPERATIONS RESEARCH
- OPTICAL TRANSFER FUNCTION
- ORBITAL SPECTRUM UTILIZATION
- PARAMETER IDENTIFICATION
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- RELIABILITY ENGINEERING

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TAIL SURFACES

TAILLESS AIRCRAFT

TAILORING

TAILS (ASSEMBLIES)

TAKEOFF

TAKEOFF SYSTEMS

TALKING

TALON AIRCRAFT

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TANKER SHIPS (CONT.)

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TANKERS

TANKS (CONTAINERS)

TANKS (COMBAT VEHICLES)

TANKER TERMINALS

TANKER TERMINALS

TANKER TERMINALS

TANKERS

TANKS (CONTAINERS)

TANKS (COMBAT VEHICLES)

TANKS (COMBAT VEHICLES)

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- CARBIDES
- TANTALUM CARBIDES
- TANTALUM COMPOUNDS
- TANTALUM CARBIDES
TANTALUM COMPOUNDS
GS - TANTALUM COMPOUNDS
- TANTALUM CARBIDES
- TANTALUM NITRIDES
- TANTALUM OXIDES
RT - GROUP 5B COMPOUNDS
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GS - CHEMICAL ELEMENTS
- NUCLIDES
- TANTALUM ISOTOPES
- RFRACTORY METALS
- TANTALUM
- TANTALUM ISOTOPES
- METALS
- TRANSITION METALS
- RFRACTORY METALS
- TANTALUM
- TANTALUM ISOTOPES
- RFRACTORY MATERIALS
- RFRACTORY METALS
- TANTALUM
- TANTALUM ISOTOPES
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GS - NITROGEN COMPOUNDS
- NITRIDES
- TANTALUM NITRIDES
- TANTALUM COMPOUNDS
- TANTALUM NITRIDES
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GS - CHALCOGENIDES
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TAPE RECORDERS
UF - MAGNETIC TAPE RECORDERS
RT - DATA RECORDERS
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TAPERED COLUMNS
GS - STRUCTURAL MEMBERS
- COLUMNS (SUPPORTS)
- TAPERED COLUMNS
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USE - SWEPT WINGS
TAPERING
UF - TAPER
RT - CONVERGENCE
- DECELERATION
- REDUCTION
- TAPES
SN - USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW
RT - ADHESIVES
- COMPUTER COMPATIBLE TAPES
- FASTENERS
- MAGNETIC TAPES
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RT - CUTTERS
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- MACHINE TOOLS
- TOOLS
TAR SANDS
GS - RESOURCES
- EARTH RESOURCES
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- SEDIMENTS
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RT - DISTILLATION
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- OIL FILDS
- OILS
- TAR
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USE - DATA REDUCTION
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GS - ACQUISITION
- TARGET ACQUISITION
RT - DETECTION
- HIGH ALT TARGET AND BACKGROUND MEASUREMENT
- MATTs (SYSTEMS)
- MISSILE DETECTION
- MOVING TARGET INDICATORS
- SOUND RANGING
- SURVEILLANCE
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GS - DRONE VEHICLES
- DRONE AIRCRAFT
- TARGET DRONE AIRCRAFT
- FIREBEE 2 TARGET DRONE AIRCRAFT
- JINDIVIK TARGET AIRCRAFT
RT - TARGET DRONE AIRCRAFT
- TARTAR MISSILE
- DEPARTMENT DRONE AIRCRAFT
- TARGET DRONE AIRCRAFT
- FIREBEE 2 TARGET DRONE AIRCRAFT
- JINDIVIK TARGET AIRCRAFT
RT - AIRCRAFT
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= REMOTELY PILOTTED VEHICLES
TARGET MASKING
GS - MASKING
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TARGET PENETRATION
USE - TERMINAL BALLISTICS
TARGET RECOGNITION
GS - DETECTION
- TARGET RECOGNITION
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RT - TARGET RECOGNITION
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- RADAR HOMING MISSES
- RADAR SIGNATURES
- SIGNATURE ANALYSIS
- SIGNATURES
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- TRAXED RADAR SYSTEM
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GS - SIMULATORS
RT - TARGET SIMULATORS
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TARGETS
UF - TOWED TARGETS
GS - TARGETS
- DAID TARGET
- JINDIVIK TARGET AIRCRAFT
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- PARTICLE ACCELERATOR TARGETS
- RADAR TARGETS
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- FIREBEE 2 TARGET DRONE AIRCRAFT
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- LASER TARGET DESIGNATORS
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- LINE OF SIGHT
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- MISSIONS
- RADAR ECHOES
- RADAR TARGET SCATTER SITE
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- SANDPIPER TARGET MISSILE
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GS - PRODUCTS
= PETROLEUM PRODUCTS
= TARS
RT - ASPHALT
- GUMS (SUBSTANCES)
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GS - MISSILES
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- TARTAR MISSILES
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- BUMBLEBEE PROJECT
- SOLID PROPELLANT ROCKET ENGINES
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RT - COSTS
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GS - LANDFORMS
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GS - PERCEPTION
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RT - TASTE
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GS - CELESTIAL BODIES
= METEOROID SHOWERS
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TELEMETRY - (CONT.)
- TRANSPONDER CONTROL GROUP
- WEATHER DATA RECORDERS
- WIRELESS TELECOMMUNICATION

TELEOPERATORS

GS CONTROL EQUIPMENT
- TELESCOPES
- TELEPHOTOGRAPHY
- TELEPHOTOMETRY
- TELEPHOTOMETERS
- TELEMETRY
- TELEPHONES
- TELEPRINTERS
- TELECOMMUNICATION
- TELEGRAPHY
- TELEPHONE UTILITIES

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GS TELECOMMUNICATION
- RADIO COMMUNICATION
- TELEPHONE
- VOICE COMMUNICATION
- TELEPHONY
- TELEPHONE TRANSMISSION
- TELEPHONE COMMUNICATION
- TELEPHONE EQUIPMENT
- TELEPHONE SYSTEMS
- TELEPHONE RECEIVERS
- TELEPHONE RECEIVING

TELEPHOTOMETRY

UF TELEPHOTOMETRY
- TELEPHOTOMETRY COMMUNICATION
- TELEPHOTOGRAPHY
- TELEPHOTOGRAPHIC EQUIPMENT
- TELEPHOTOGRAPHIC MEASUREMENT
- TELEPHOTOGRAPHIC MEASURING
- TELEPHOTOGRAPHIC INSTRUMENTS
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TELEPRINTERS

GS PRINTERS
- TELEPRINTERS
- TELEPRINTERS EQUIPMENT
- TELEPRINTERS RECEIVERS

TELEPRINTERS

RT KEYING
- PRINTERS (DATA PROCESSING)
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TELESAT CANADA B

USE ANK 2

TELESAT CANADA C

USE ANK 3

TELESAT CANADA D

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- TELESCOPES
- TELESCOPES SYSTEMS
- TELESCOPES EQUIPMENT
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- TELESCOPES
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- TELEVISION RECEPTION SYSTEMS
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TELEVISION TRANSMISSION

GS TELEVISION TRANSMISSION
- TELEVISION TRANSMISSION EQUIPMENT
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- NETWORK ANALYSIS
- NETWORK SYNTHESIS

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- TELLURIC CURRENTS
- TELLURIC CURRENTS ELECTRICITY
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- TELLURIC LINES
- TELLURIC LINES ABSORPTION SPECTRA
- TELLURIC LINES ATTENUATION SPECTRA
- TELLURIC LINES LINE SPECTRA
- TELLURIC LINES SPECTRAL LINES
- TELLURIC LINES WAVELENGTH SPECTRA

TELLURIC PHOTOLUMINESCENCE

GS CHLOROCALORIDES
- TELLURIC PHOTOLUMINESCENCE
- TELLURIC PHOTOLUMINESCENCE ABSORPTION SPECTRA
- TELLURIC PHOTOLUMINESCENCE ATTENUATION SPECTRA
- TELLURIC PHOTOLUMINESCENCE LINE SPECTRA
- TELLURIC PHOTOLUMINESCENCE SPECTRAL LINES
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- TELLURIUM
- TELLURIA
- BISMUTH TELLURIDES
- CADMIUM TELLURIDES
- INDIUM TELLURIDES
- LANTHANUM TELLURIDES
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- MERCURY TELLURIDES
- TIN TELLURIDES
- ZINC TELLURIDES

TELLURIUM
- GS CHEMICAL ELEMENTS
- METALLOIDS
- TELLURIUM
- TELLURIUM ISOTOPES
- NUCLIDES
- ISOTOPES
- TELLURIUM
- TELLURIUM ISOTOPES

TELLURIUM ALLOYS
- GS ALLOYS
- TELLURIUM ALLOYS

TELLURIUM COMPOUNDS
- GS TELLURIUM COMPOUNDS
- TELLURIUM
- TELLURIUM ISOTOPES
- NUCLIDES
- ISOTOPES
- TELLURIUM
- TELLURIUM ISOTOPES

TELLURIUM 119
- RT ALLOYS
- GROUP 6A COMPOUNDS

TEMPEL 2 COMET
- GS CELESTIAL BODIES
- COMETS
- TELSTAR 2 SATELLITE

TELEMETRY
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- UF TEMPERATURE REGIONS
- SUBTROPICAL REGIONS
- GS REGIONS
- TEMPERATE REGIONS
- RT CLIMATOLOGY
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- POLAR REGIONS
- TROPICAL REGIONS

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- UF BODY TEMPERATURE (NON-BIOLOGICAL)
- GS TEMPERATURE

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- TEMPERATURE (CONT.)
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- THERMAL CYCLING TESTS
- THERMAL EXPANSION
- THERMAL SHOCK
- THERMAL STABILITY
- THERMODYNAMIC PROPERTIES
- VENTILATION

TEMPERATURE COMPENSATION
- GS INSTRUMENT COMPENSATION

TEMPERATURE CONTROL
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- RT AIR CONDITIONING

TEMPERATURE EFFECTS
- UF HEAT EFFECTS

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- UF TEMPERATURE DISTRIBUTION

TEMPERATURE EFFECTS
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  - Ettingshausen Effect
  - Jet Blast Effects
  - Magnetic Effects
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  - Peltier Effects
  - Pressure Effects
  - Radiation
  - Reentry Effects
  - Seebeck Effect
  - Shape Memory Alloys
  - Solar Gradients
  - Sterilization Effects
  - Thermal Buckling
  - Thermal Degradation
  - Thermal Dissociation
  - Thermal Resistance
  - Thermal Stresses
  - Thermogrammetry
  - Thermoluminescence
  - Thermoplasticity

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- Emissions
  - X-Ray Strain Analysis
  - Yield Strength

**Temperature Measurement**
- UF
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  - Thermography
- RT
  - Anomalous Temperature Zones
  - Bolometers
  - Brightness Temperature
  - Crayons
  - Gas Temperature
  - High Temperature
  - Measurement
  - Noise Temperature
  - Pyrometers
  - Radiation Pyrometers
  - Resistance Thermometers
  - Satellite Temperature
  - Sodar
  - Sound Detecting and Ranging
  - Thermocouple Pyrometers
  - Thermometers
  - Wind Tunnel Calibration

**Temperature Measuring Instruments**
- UF
  - Pyrometers
  - Temperature Instruments
- GS
  - Thermography
  - Temperature Measuring Instruments
  - Instruments
  - Bathythermographs
  - Optical
  - Pyrometers
  - Thermometers
  - Radiation Pyrometers
  - Thermocouple Pyrometers
  - Temperature Probes
  - Pneumatic Probes
  - Thermocouples
  - Thermometers
  - Resistance Thermometers
  - Bomb Calorimeters
  - Calorimeters
  - Drop Calorimeters
  - Flame Calorimeters
  - Flame Probes
  - Thermistors
  - Thermocouples
  - Thermostats
  - Transducers

**Temperature Probes**
- GS
  - Measuring Instruments
  - Temperature Measuring Instruments
  - Temperature Probes
  - Pneumatic Probes
  - Thermocouples

**Temperature Profiles**
- RT
  - Differential Thermal Analysis
  - Heat Transfer

**Temperature Scales**
- UF
  - Fahrenheit Temperature Scale
  - International Practical Temperature
- RT
  - Absolute Zero
  - Anomalous Temperature Zones
  - Calibrating
  - Scale
  - Standards
  - Thermometers

**Temperature Sensors**
- GS
  - Temperature Sensors
  - Thermists
  - Thermometers
- RT
  - Anomalous Temperature Zones

**Tempering**
- GS
  - Heat Treatment
  - Tempering
- RT
  - Annealing
  - Drawing
  - Hardening (Materials)
  - Laser Annealing
  - Metal Working
  - Normalizing (Heat Treatment)
  - Stress Relieving

**Temperature**
- TEMPERING (Cont.)
  - Stretching

**Templates**
- RT
  - Lofting
  - Molds
  - Patterns

**Temporal Distribution**
- RT
  - Annual Variations
  - Spatial Distribution
  - Time Dependence
  - Time Response

**Temporal Resolution**
- RT
  - Spatial Resolution

**Tendencies**
- RT
  - Inclination

**Tendons**
- RT
  - Connective Tissue
  - Fibroblasts

**Tenite**
- RT
  - Cellulose
  - Molding Materials

**Tennessee**
- GS
  - United States of America
  - Tennessee
  - Great Smoky Mountains (NC-TN)
  - Tennessee Valley (AL-KY-TN)

**Tennessee Valley**
- AL
  - Kentucky
  - Tennessee

**Tensile Creep**
- GS
  - Mechanical Properties
  - Creep Properties
  - Tensile Creep
- RT
  - Plastic Deformation
  - Shear Creep

**Tensile Deformation**
- GS
  - Deformation
  - Tensile Deformation
- RT
  - Elastic Deformation
  - Elongation
  - Plastic Deformation
  - Temperature Inversions

**Tensile Properties**
- GS
  - Mechanical Properties
  - Tensile Properties
- RT
  - Elastic Properties
  - High Strength Alloys

**Tensile Strength**
- GS
  - Mechanical Properties
  - Tensile Strength
- RT
  - Ductility
  - Elastic Properties
  - Elongation
  - Fiber Strength
  - High Strength
  - Hysteresis
  - Posson Ratio
  - Resilience
  - Shear Strength
  - Strength
  - Toughness

**Tensile Stress**
- GS
  - Stresses
  - Tensile Stress
- RT
  - Axial Stress
  - High Strength
  - Hoops
  - Stress Intensity Factors
  - Tension
  - Triaxial Stresses

**Tensile Tests**
- RT
  - Destructive Tests
  - Fatigue Tests
  - Load Tests
  - Specimen Geometry
  - Static Tests

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**Temperature Fields**

- USE
  - Temperature Distribution

**Temperature Gradients**
- UF
  - Temperature Differences
  - Temperature Gradients
- GS
  - Thermoclines
- RT
  - Atmospheric Temperature
  - Bathythermographs
  - Chapman-Enskog Theory
  - Convective Heat Transfer
  - Differential Thermal Analysis
  - Isotherms
  - Isothermals
  - Nonisothermal Processes
  - Ocean Temperature
  - Potential Gradients
  - Stratification
  - Thermal Mapping
  - Thermogramration

**Temperature Indicators**
- USE
  - Indicator Instruments
  - Temperature Measuring Instruments

**Temperature Instruments**
- USE
  - Temperature Measuring Instruments

**Temperature Inversions**
- GS
  - Inversions
- RT
  - Temperature Inversions
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  - Atmospheric Temperature
  - Bending
  - Birefringence
  - Buckling
  - Cracking
  - Crack (Fracturing)
  - Creep
  - Creep Properties
  - Deflection
  - Deformation
  - Displacement
  - Distortion
  - Failure
  - Fatigue (Materials)
  - Internal Pressure
  - Lapse Rate
  - Mechanical Properties
  - Meteorological Parameters
  - Meteorology
  - Photoelastic Analysis
  - Plastic Deformation
  - Pressure
  - Pressure Effects
  - Residual Stress
  - Saint Venant Principle
  - Shear Properties
  - Shrinkage
  - Strain Gages
  - Strain Hardening
  - Strain Rate
  - Stress Analysis
  - Stress Relaxation
  - Stress Waves
  - Stresses
  - Structural Strain
  - Tensile Deformation
  - Tension
  - Tephigrams

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  - Temperature Inversions
  - Air Pollution
  - Atmospheric Temperature
  - Bending
  - Birefringence
  - Buckling
  - Cracking
  - Crack (Fracturing)
  - Creep
  - Creep Properties
  - Deflection
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  - Displacement
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TEST VEHICLES (CONT.)
- MISSILES
- REENTRY VEHICLES
- RESEARCH AIRCRAFT
- ROCKET VEHICLES
- SPACECRAFT
- TESTS
- TOWED BODIES
- VEHICLES

TESTERS
- USE TEST EQUIPMENT

TESTES
- GS
  - ANATOMY
  - GENTOURINARY SYSTEM
    - TESTES
    - GLANDS (ANATOMY)
    - SEX GLANDS
    - TESTES
    - ORGANS
    - TESTES
  - REPRODUCTIVE SYSTEMS
    - TESTES
  - VISCERA
    - ORGANS
    - TESTES
    - SEX GLANDS
    - TESTES

TESTING
- USE TESTS

TESTING MACHINES
- USE TEST EQUIPMENT

TESTING TIME
- GS
  - TIME
    - TESTING TIME
  - RT
    - BURNING TIME
    - ENGINE TESTS
    - FATIGUE TESTS
    - FLIGHT TIME
- TESTS
  - TURNAROUND (STS)
  - WINDOWS (INTERVALS)

TESTS
- SN
  - USE TESTS
  - (USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)
- UF
  - PRIETESTS
  - TESTING
- RT
  - ACCELERATED LIFE TESTS
    - ACCEPTABILITY
    - ADHESION TESTS
    - ALTITUDE TESTS
    - APPROACH AND LANDING TESTS (STS)
    - CAPTIVE TESTS
    - CHECKOUT
    - CHEMICAL ANALYSIS
    - CHEMICAL TESTS
    - COMPRESSION TESTS
    - CONFIDENCE LIMITS
    - CORROSION TEST LOOPS
    - CREW PROCEDURES (INFLIGHT)
    - CREW PROCEDURES (PREFLIGHT)
    - DESTRUCTIVE TESTS
    - DROP TESTS
    - EDUCATION
    - ELECTRIC EQUIPMENT TESTS
    - ELECTRONIC EQUIPMENT TESTS
    - EMPLOYMENT
    - ENGINE TESTS
    - ENVIRONMENTAL TESTS
    - ERRORS
    - EVALUATION
    - EXTRAPOLATION
    - FATIGUE TESTS
    - FLIGHT TESTS
    - FUEL TESTS
    - FULL SCALE TESTS
    - GROUND TESTS
    - HARDNESS TESTS
    - HIGH ALTITUDE TESTS
    - IMPACT TESTS
    - LABORATORIES
    - LOAD TESTS
    - LUBRICANT TESTS
    - MEDIAN (STATISTICS)
    - MISSILE TESTS
    - NONDESTRUCTIVE TESTS
    - NOTCH TESTS

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- PATCH TESTS
- PERFORMANCE TESTS
- PERSONALITY TESTS
- PHYSIOLOGICAL TESTS
- PRELIGHT ANALYSIS
- PROGRAM VERIFICATION (COMPUTERS)
- PROPellant TESTS
- PROVING
- PSYCHOLOGICAL TESTS
- QUALIFICATIONS
- QUALITY
- QUALITY CONTROL
- RADIOAID HUMMING TESTS
- REACTOR STARTUP TESTS
- RECORDS
- RELIABILITY
- RESONANCE TESTING
- SALT SPRAY TESTS
- SAMPLING
- SELECTION
- SHOCK TESTS
- SPACE TRANSPORTATION SYSTEM
  - FLIGHTS
  - SPACEx VEHICLE CHECKOUT PROGRAM
- SPIN TESTS
- STABILITY TESTS
- STATIC TESTS
- STATISTICAL TESTS
- STRESSING TESTS
- TASKS
- TEST FACILITIES
- TEST Firing
- TEST VEHICLES
- TESTING TIME
- THERMAL CYCLING TESTS
- THERMAL VACUUM TESTS
- ULTRASONIC TESTS
- VACUUM TESTS
- VIBRATION TESTS
- WEAR TESTS
- WELD TESTS
- WIND TUNNEL TESTS
- WING FLOW METHOD TESTS
- X RAY INSPECTION

TETHERED BALLOONS
- UF
  - KITE BALLOONS
- GS
  - EXPANDABLE STRUCTURES
    - INFLATABLE STRUCTURES
    - BALLOONS
    - TETHERED BALLOONS
  - RT
    - METEOROLOGICAL BALLOONS

TETHERED SATELLITES
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RT = GROUP 4A COMPOUNDS
... METAL COMPOUNDS

TIN ISOPOES
GS CHEMICAL ELEMENTS
... TIN
... ISOPES
... TIN ISOPOES
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... TIN ISOPOES
METALS
... TIN
... TIN ISOPOES

TIN OXIDES
GS CHALCOGENIDES
... OXIDES
... METAL OXIDES
... TIN OXIDES
... TIN COMPOUNDS
RT SIS (SEMICONDUCTORS)

TIN TELLURIDES
GS CHALCOGENIDES
... TELLURIDES
... TELLURIDES
... TELLURIDES
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... TELLURIDES
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... TELLURIDES
... TELLURIDES

TIROS N SATELLITE
TIP DRIVEN ROTORS (CONT.)
... ROTARY WINGS
... TIP DRIVEN ROTORS
... ROTATING BODIES
... ROTORS
... ROTARY WINGS
... TIP DRIVEN ROTORS
RT XV-9A AIRCRAFT

TIP SPEED
GS RATES PER TIME
... TIP SPEED
VELOCITY
... TIP SPEED
ANGULAR VELOCITY
CRITICAL VELOCITY
ROTOR SPEED

TIPS
GS TIPS
... BLADE TIPS
... NOSE TIPS
... WING TIPS
RT AIRFOIL PROFILES
... EDGES

TIRES
GS TIRES
... AIRCRAFT TIRES
RT BLOWOUTS
INFLATABLE STRUCTURES
LANDING GEAR
ROLLERS
TOROIDAL WHEELS
TREADS
VEHICLE WHEELS
WHEEL BRAKES
WHEELS

TIROS D SATELLITE
USE TIROS 4 SATELLITE

TIROS E SATELLITE
USE TIROS 5 SATELLITE

TIROS F SATELLITE
USE TIROS 6 SATELLITE

TIROS G SATELLITE
USE TIROS 7 SATELLITE

TIROS H SATELLITE
USE TIROS 8 SATELLITE

TIROS K SATELLITE
GS SATELLITES
... ARTIFICIAL SATELLITES
... METEOROLOGICAL SATELLITES
... TIROS SATELLITES
... TIROS K SATELLITE
... EARTH SATELLITES
... METEOROLOGICAL SATELLITES
... TIROS SATELLITES
... TIROS K SATELLITE
RT DELTA LAUNCH VEHICLE
IMPROVED TIROS OPERATIONAL SATELLITES
ITOS 1
ITOS 2
ITOS 3
ITOS 4
TIROS OPERATIONAL SATELLITE SYSTEM

TIROS M
GS SATELLITES
... ARTIFICIAL SATELLITES
... METEOROLOGICAL SATELLITES
... TIROS SATELLITES
... TIROS M
... EARTH SATELLITES
... METEOROLOGICAL SATELLITES
... TIROS SATELLITES
RT IMPROVED TIROS OPERATIONAL SATELLITES
ITOS 1
ITOS 2
ITOS 3
ITOS 4

TIROS N SATELLITE
USE NOAA-A SATELLITE

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TITAN 1 ICBM

- Use: TITANIUM CHLORIDES
- Constituents: CHLORINE COMPOUNDS
- Processing: CHLORINE

TITAN 2 ICBM

- Use: TITANIUM ISOTOPES
- Constituents: TITANIUM
- Processing: METAL COMPOUNDS

TITAN 3 LAUNCH VEHICLE

- Use: TITANIUM COMPOUNDS
- Constituents: TITANIUM NITRIDES
- Processing: NITRIDES

TITANATES

- Use: TITANIUM COMPOUNDS
- Constituents: TITANIUM NITRIDES
- Processing: NITRIDES

TITANIUM NITRIDES

- Use: TITANIUM NITRIDES
- Constituents: TITANIUM NITRIDES
- Processing: NITRIDES
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### Transition Layers (Cont.)
- Shock Waves
- Surface Layers
- Turbulent Flow

### Transition Metals
- **GS Metals**
  - Transition Metals
    - Cadmium
    - Cadmium Isotopes
    - Cobalt
    - Cobalt Isotopes
    - Cobalt 60
    - Gold
    - Gold Isotopes
    - Gold 198
    - Hafnium
    - Hafnium Isotopes
    - Iron
    - Iron Isotopes
    - Iron 57
    - Iron 58
    - Iron 59
    - Manganese
    - Manganese Isotopes
    - Nickel
    - Nickel Isotopes
    - Palladium
    - Platinum
    - Platinum Black
    - Platinum Isotopes
    - Refractory Metals
    - Chromium
    - Chromium Isotopes
    - Iridium
    - Iridium Isotopes
    - Molybdenum
    - Nickel
    - Nickel Isotopes
    - Niobium
    - Niobium Isotopes
    - Niobium 95
    - Osmium
    - Osmium Isotopes
    - Rhenium
    - Rhenium Isotopes
    - Tantalum
    - Tantalum Isotopes
    - Tungsten
    - Tungsten Isotopes
    - Rhodium
    - Rhodium Isotopes
    - Ruthenium
    - Ruthenium Isotopes
    - Scandium
    - Scandium Isotopes
    - Silver
    - Silver Isotopes
    - Technetium
    - Technetium Isotopes
    - Titanium
    - Titanium Isotopes
    - Vanadium
    - Vanadium Isotopes
    - Yttrium
    - Yttrium Isotopes
    - Zinc
    - Zinc Isotopes
    - Zirconium
    - Zirconium Isotopes
    - Zirconium 95
  - Actinide Series
    - Complex Compounds
    - Palladium Compounds
    - Rare Earth Elements
    - Ruthenium Compounds
    - Shape Memory Alloys
    - Transuranium Elements

### Transition Points
- Boundary Layer Transition
  - Equilibrium
- Knudsen Flow
- Phase Diagrams
- Reynolds Number

### Transition Pressure
- **GS Pressure**
  - Transition Pressure
  - High Pressure
  - Hydrostatic Pressure
  - Phase Transformations
  - Pressure Effects

### Transition Probabilities
- **RT** Electron Transitions
- Transiton Layers (Cont.)
  - Excitation
  - Fermi Surfaces
  - Nuclear Capture
  - Probability Theory
  - Spectra

### Transition Temperature
- **GS Temperature**
  - Transition Temperature
  - Heat of Fusion
  - Kondo Effect
  - Liquid Phases
  - Melting Points
  - Phase Diagrams
  - Phase Transformations
  - Solidification
  - Superconducting Power
  - Transmission
  - Superconductivity

### Transits
- **SN** (Excludes Partial or Total Occultation of One Body by Another)
- GS Measuring Instruments
  - Optical Measuring Instruments
  - Transits
  - Theodolites
  - CineTheodolites
  - Optical Equipment
  - Optical Measuring Instruments
  - Transits
  - Theodolites
  - CineTheodolites
  - RT Compasses
  - Sextants
  - Transit

### Translating
- **GS Translating**
  - Machine Translation
  - Decoding
  - Documentation
  - Interpretation
  - Languages
  - Technical Writing
  - Translators

### Translational Motion
- **GS Translational Motion**
  - Karman-Boehmke Flow
  - Three Dimensional Motion
  - Five Dimensional Flow
  - Secondary Flow
  - Motion
  - Racks (Gears)
  - Rigid Structures
  - Translators

### Translunacy
- **GS Electromagnetic Properties**
  - Optical Properties
  - Transitcace
  - Light Transmission
  - Opacity
  - Optical Density
  - Transmissivity
  - Transparency

### Translumary Injection
- **GS Injection**
  - Translumary Injection
  - Injection Guidance
  - Midcourse Guidance
  - Orbital Mechanics
  - Transfer Orbit

### Translunar Space
- Use Interplanetary Space

### Transmission
- **UF** Coaxial Transmission
- **GS Transmission**
  - ACOUSTIC PROPAGATION
  - DEMULTIPLEXING
  - ELECTRIC POWER TRANSMISSION
  - ELECTROMAGNETIC WAVES
  - TRANSMISSION
  - LIGHT TRANSMISSION
  - LIGHT SCATTERING
  - HALOS
  - RADIATION PROPAGATION
  - 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
  - TRANSEXURAL PROPAGATION
  - TRANSLUNAR RADIO PROPAGATION
  - SCATTER PROPAGATION
  - IONOSPHERIC F-SCATTER PROPAGATION
  - TELEVISION TRANSMISSION
  - HEAT TRANSMISSION
  - HEAT TRANSFER
  - AERODYNAMIC HEAT TRANSFER
  - HYPERSONIC HEAT TRANSFER
  - SUPERSONIC HEAT TRANSFER
  - CONVECTIVE HEAT TRANSFER
  - CONVECTIVE HEAT TRANSFER
  - LAMENAR HEAT TRANSFER
  - RADIATIVE HEAT TRANSFER
  - TURBULENT HEAT TRANSFER
  - MULTIPLEXING
  - CODE DIVISION MULTIPLEXING
  - FREQUENCY DIVISION MULTIPLEXING
  - TIME DIVISION MULTIPLEXING
  - WAVELENGTH DIVISION MULTIPLEXING
  - SELF PROPAGATION
  - SIGNAL TRANSMISSION
  - DATA TRANSMISSION
  - AUTOMATIC PICTURE TRANSMISSION
  - MULTIPLE ACCESS
  - CODE DIVISION MULTIPLE ACCESS
  - FREQUENCY DIVISION MULTIPLE ACCESS
  - SINGLE CHANNEL PER CARRIER TRANSMISSION
  - PCM TELEMETRY
  - RADIATION 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
  - TRANSEXURAL PROPAGATION
  - TRANSEXURAL PROPAGATION
  - TRANSSHORIZON RADIO TRANSMISSION
  - TRANSEXURAL PROPAGATION
  - SATELLITE TRANSMISSION
  - TELEVISION TRANSMISSION
  - SOUND TRANSMISSION
  - STRESS PROPAGATION
  - TELEPHONE
  - WAVE PROPAGATION
  - DIFFRACTION PROPAGATION
  - GROUND WAVE PROPAGATION
  - IONOSPHERIC PROPAGATION
  - IONOSPHERIC F-SCATTER PROPAGATION
  - ACOUSTIC PROPAGATION
  - ALOHA SYSTEM
  - ATMOSPHERIC ATTENUATION
  - ATTENUATION
  - BROADCASTING
  - CONDUCTION
TRANSMISSION CIRCUITS

TRANSMISSION LINES

TRANSMISSION CIRCUITS

TRANSMISSION FLUIDS

TRANSMISSION LINES

TRANSMITTERS

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TRANSPORT THEORY

TRANSPORT PROPERTIES-(CONT.)
- Kondo Effect
- Gaseous Diffusion
- Gaseous Self-Diffusion
- Ionic Mobility
- Thermal Conductivity
- Thermal Diffusivity
- Viscosity
- Eddy Viscosity
- Gas Viscosity

RT Binary Fluids
Boltzmann Transport Equation
- Conductivity
- Diffusion
- Flow Coefficients
- Hall Effect
- Heat Transfer
- High Temperature Tests
- Kinetic Theory
- Light-Hill Gas Model
- Mobility
- Physical Properties
- Pollution Transport
- Properties
- Radiation Transport
- Seebeck Effect
- Solid State Physics
- Thermoelectricity

TRANSPORT THEORY
GS Kinetic Theory
- Transport Theory
- Evrying Theory
- Mixing Length Flow Theory

RT Boltzmann Transport Equation
- Diffusion Theory
- Gas Transport
- Integral Equations
- Molecular Interactions
- Mont Carlo Method
- Pollution Transport
- Theories

TRANSPORT VEHICLES
SN (Use of a more specific term is recommended—consult the terms listed below.)

RT Crawler Tractors
Ground Effect Machines
Rapid Transit Systems
Ships
Transport Aircraft

TRANSPORTATION
GS Transportation
- Aeromaneuvering Orbit to Orbit Shuttle
- Air Transportation
- Marine Transportation
- Rail Transportation
- Rapid Transit Systems
- Space Transportation System
- Space Shuttle Boosters
- Space Shuttle Orbiters
- Space Shuttle Orbiter 101
- Space Shuttle Orbiter 102
- Urban Transportation

RT Artificial Harbors
Automated Guideway Transit Vehicles
Cargo
Contractors
Conveyors
Deepwater Terminals
Delivery
Distributing
Electric Automobiles
Evacuating (Transportation)
Freight Costs
Freighters
Handling Equipment
Hauling
Highways
Logistics
Materials Handling
Missiles
Motor Vehicles
Offshore Docking
Offshore Platforms
Packaging
Passengers
Pipelines
Riding Quality

TRANSPORTATION-(CONT.)
- Roads
- Routes
- Services
- Site Selection
- Space Transportation System
- Tanker Terminals
- Terminal Facilities
- Tractors
- Traffic
- Transcontinental Systems
- Transferring
- Transoceanic Systems
- Transportation Networks
- Travel
- Trucks

TRANSPORTATION ENERGY
RT Allocations
- Cargo
- Commercial Energy
- Distributing
- Domestic Energy
- Economic Factors
- Energy Conversion
- Engines
- Fuels
- Hauling
- Industrial Energy
- Ships
- Tankers
- Trucks

TRANSPORTATION NETWORKS
RT Highways
- Intersections
- Networks
- Rapid Transit Systems
- Roads
- Transportation

TRANSURANIUM ELEMENTS
GS Chemical Elements
- Actinide Series
- Transuranium Elements
- Americium
- Californium
- Curium
- Einstenium
- Fermium
- Menadlevium
- Neptunium
- Plutonium
- Sergentium
- Transuranium Elements

RT Actinide Series
- Americium
- Californium
- Curium
- Einstenium
- Fermium
- Menadlevium
- Neptunium
- Plutonium
- Sergentium
- Transuranium Elements

RT Transition Metals

TRANVERSE ACCELERATION
GS Rates (Per Time)
- Acceleration (Physics)
- Acceleration Stresses

RT Acceleration
- Acceleration Stresses
- (Physiology)
- Angular Acceleration

TRANVERSE OSCILLATION
UP Transverse Vibration
GS Oscillations
- Transverse Oscillation

RT Gamma Rays
- Harmonic Oscillation
- Lateral Oscillation
- Stable Oscillations
- Transient Oscillations

TRANVERSE VIBRATION
USE Transverse Oscillation

TRANVERSE WAVES
GS Transverse Waves
- H Waves
- Elastic Waves
- Electromagnetic Radiation
- Gamma Rays
- Longitudinal Waves
- Magnetohydrodynamic Flow
- Plane Waves
- Radiowaves
- S Waves
- Vibration Mode

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#### Transverse Waves (Cont.)
- Wave packets
- Waves

#### Transversely Excited Atmospheric Lasers
- USE TEA LASERS

#### Trap Program
- GS PROGRAM
- RT TRAP PROGRAM

#### Trap Devices
- UF TRAPPED PLASMA AVALANCHE
  - Triggered Transit
- GS ELECTRONIC EQUIPMENT
  - SOLID STATE DEVICES
  - SEMICONDUCTOR DEVICES
  - TRAPATT DEVICES
  - Avalanche diodes
  - Devices
  - Diodes
  - Transistors

#### Trap Diodes
- USE Avalanche diodes

#### Trapezoidal Tail Surfaces
- GS Planforms
  - Trapezoidal tail surfaces
  - Tail surfaces
  - Trapezoidal tail surfaces
- RT Control surfaces
  - Horizontal tail surfaces
  - Hypersonic aircraft
  - Rudders
  - Stabilizers (fluid dynamics)
  - Supersonic aircraft
  - Sweptback tail surfaces

#### Trapezoidal Wings
- GS Airfoils
  - Wings
  - Low aspect ratio wings
  - Trapezoidal wings
  - Swept wings
  - Swept forward wings
  - Trapezoidal wings
  - Sweptback wings
  - Trapezoidal wings
- RT Planforms
  - Wing planforms
  - Swept forward wings
  - Trapezoidal wings
  - Sweptback wings
  - Trapezoidal wings

#### Trapezoids
- GS Geometry
  - Euclidean geometry
  - Polygons
  - Tetragons
  - Trapezoids

#### Trapped Magnetic Fields
- GS Magnetic fields
  - Trapped magnetic fields
- RT Flux pinning
  - Magnetically trapped particles
  - Plasma control
  - Superconductivity
  - Trapping

#### Trapped Particles
- GS Particles
  - Trapped particles
  - Magnetically trapped particles
  - Radiation belts
  - Artificial radiation belts
  - Inner radiation belt
  - Outer radiation belt
  - Proton belts
- RT Charged particles
  - Electron precipitation
  - Proton precipitation
  - Trapping

#### Trapped Plasma Avalanche Triggered Transit
- USE Trapatt devices

#### Trapped Vortexes
- UF Vortexes
- Trapatt devices
  - COHERENT ELECTROMAGNETIC
  - CAVITY RESONATORS
  - HELICITRONS
  - HELITRONS
- RT TRAPPED MAGNETIC FIELDS
  - VORTEX RINGS
  - VORTICITY

#### Trees (Mathematics)
- USE DENDROCHRONOLOGY

#### Traveling Wave Amplifiers
- GS Amplifiers
  - Traveling wave amplifiers

#### Traveling Wave Maser
- GS Stimulated emission devices
  - Maser
  - Traveling wave masers

#### Traveling Wave Modulation
- GS Modulation
  - Traveling wave modulation

#### Traveling Waves (Mathematics)
- USE TREES (MATHEMATICS)

#### Traveling Waves
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TWO STAGE TURBINES

TYPE 2 BURSTS-(CONT.)
- SOLAR RADIO BURSTS
- TYPE 2 BURSTS
- SOLAR RADIATION
- SOLAR RADIO EMISSION
- SOLAR RADIO BURSTS
- TYPE 2 BURSTS

TYPE 5 BURSTS-(CONT.)
- EMISSION
- SOLAR RADIO EMISSION
- SOLAR RADIO BURSTS
- TYPE 5 BURSTS
- ELECTROMAGNETIC RADIATION
- RADIO WAVES
- EXTRATERRESTRIAL RADIO WAVES
- RADIO BURSTS
- SOLAR RADIO BURSTS
- TYPE 5 BURSTS
- SOLAR RADIO EMISSION
- RADIO BURSTS

TWO STAGE TURBINES

TVCHO CRATER

TX-354 ENGINE

USE XM-33 ENGINE

TX-77 ENGINE

GS ENGINES
- ROCKET ENGINES
- SOLID PROPELLANT ROCKET ENGINES
- TX-77 ENGINE

RT LANCE MISSILE

TX-135 ENGINE

GS ENGINES
- ROCKET ENGINES
- BOOSTER ROCKET ENGINES
- TX-135 ENGINE
- SOLID PROPELLANT ROCKET ENGINES
- TX-135 ENGINE

RT NIKE-ZEUS MISSILE

TX-354 ENGINE

UF CASTOR 2 ENGINE

GS ENGINES
- ROCKET ENGINES
- SOLID PROPELLANT ROCKET ENGINES

TX-354 ENGINE

RT BOOSTER ROCKET ENGINES

JOURNEYMAN ROCKET VEHICLE

LITTLE JOE 2 LAUNCH VEHICLE

RAM B LAUNCH VEHICLE

SCOUT LAUNCH VEHICLE

SUSTAINER ROCKET ENGINES

TRAILBLAZER 2 REENTRY VEHICLE

XM-33 ENGINE

TYPHOON WEAPON SYSTEM

GS WEAPON SYSTEMS

RT BUMBLEBEE PROJECT

TYPHUS

GS DISEASES
- INFECTIOUS DISEASES

RT TELEPRINTERS

TYPHOONS

GS STORMS
- CYCLONES

RT ATOMIC CIRCULATION

HURRICANES

MARINE METEOROLOGY

MeteOROLOGY

STORM DAMAGE

TORNADEOS

TYPHUS

GS DISEASES

RT TELEPRINTERS

TYPHOONS

GS STORMS

RT ATMOSPHERIC CIRCULATION

HURRICANES

MARINE METEOROLOGY

MeteOROLOGY

STORM DAMAGE

TORNADEOS

TYPHUS

GS DISEASES

RT TELEPRINTERS

U BENDS

GS PIPES (TUBES)

RT FITTINGS

U SPIN SPACE

GS ALGEBRA

RT MATRICES (MATHEMATICS)

778
VAMPIRE AIRCRAFT

VAMPIRE AIRCRAFT

VAMPIRE MK 35 AIRCRAFT

VAN ALLEN RADIATION BELTS

VAN BIESBROECK STAR

VAN DE GRAAFF ACCELERATORS

VAN DER WAAL FORCES

VAN SLYKE METHOD

VANADATES

VANADIUM

VANADYL COMPOUNDS

VANADYL RADICAL

VANELESS DIFFUSERS

VANES

VANADIUM OXIDES

NASA THESAURUS (VOLUME 1)

VANGUARD 2 Launch Vehicle (CONT.)

VANGUARD 2 SATELLITE

VANGUARD 3 SATELLITE

VAMES

VAPOR BARRIER CLOTHING

VAPOR DEPOSITION

VAPOR GENERATORS

VAPOR JETS

VAPOR PHASE EPISTASY

VAPOR PHASES

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**VARIABLE LIFT**

| USE | LIFT |

**VARIABLE MASS SYSTEMS**

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**VARIABLE STREAM CONTROL ENGIEnES**

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**VARIABLE SWEEP WINGS**

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**VARIABLE THRUST**

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USE DH 112 AIRCRAFT

VENTILATION
RT AIR CONDITIONING
AIR COOLING
AIR FILTERS
AIR FLOW
AIR INTAKES
AIR PURIFICATION
BLOWERS
COMFORT COOLING
COOLING SYSTEMS
DRAFT (GAS FLOW)
Ducts
ENVIRONMENTAL ENGINEERING
EXHAUST SYSTEMS
EXHAUSTING
LIFE SUPPORT SYSTEMS
REFRIGERATING
TEMPERATURE CONTROL
TEMPERATURE DISTRIBUTION
VENTILATORS
VENTING
VENTS

VENTILATION FANS
RT BLOWERS
COOLING
COOLING SYSTEMS
DUCTED FANS
FAN BLADES
FANS
VENTILATORS
RT AIR DUCTS
AIR INTAKES
BLOWERS
DUCTS
EXHAUST SYSTEMS
VENTILATION
VENTILATION FANS
VENTS

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RT BREATHING VIBRATION
COOLING
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EXHAUSTING
FLUSHING
PURGING
RELEASEING
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SEPARATION
VENTILATION
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RT ABDOMEN

VENTS
GS OUTLETS
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RT ANTHROPOMORPHIC DUCTS
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CAVITIES
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GATES (OPENINGS)
LOUVERS
NOZZLES
OPENINGS
PORTS (OPENINGS)
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SLOTTED WIND TUNNELS
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FLOWMETERS
GAS METERS
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PLANETS
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VENUS (PLANET)
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VENERA 10 SATELLITE
VENERA 11 SATELLITE
VENERA 12 SATELLITE

VENUS ATMOSPHERE
GS ENVIRONMENTS
EXTRATERRESTRIAL ENVIRONMENTS
PLANETARY ENVIRONMENTS
PLANETARY ATMOSPHERES
VENUS ATMOSPHERE
RT AEROSPACE ENVIRONMENTS
VENERA 11 SATELLITE
VENERA 12 SATELLITE
VENUS ORBITING IMAGING RADAR (SPACECRAFT)

VENUS CLOUDS
GS CLOUDS
VENUS CLOUDS
RT ATMOSPHERIC MODELS
CLOUD COVER
CLOUD PHYSICS
GREENHOUSE EFFECT

VENUS FLY TRAP ROCKET VEHICLE
GS ROCKET VEHICLES
SOUNDING ROCKETS
VENUS FLY TRAP ROCKET VEHICLE
RT COSMIC DUST
EXTRATERRESTRIAL MATTER

VENUS ORBITING IMAGING RADAR (SPACECRAFT)
GS RADAR
VENUS ORBITING IMAGING RADAR (SPACECRAFT)
RT SYNTHETIC APERTURE RADAR
VENUS ATMOSPHERE
VENUS PROBES
VENUS SURFACE

VENUS PROBES
GS INTERPLANETARY SPACECRAFT
VENUS PROBES
MARINER 1 SPACE PROBE
MARINER 2 SPACE PROBE
MARINER 5 SPACE PROBE
PIONEER VENUS 2 SPACECRAFT
PIONEER VENUS 2 TRANSPORTER BUS
VENERA SATELLITES
VENERA 2 SATELLITE
VENERA 3 SATELLITE
VENERA 6 SATELLITE
VENERA 9 SATELLITE
VENERA 10 SATELLITE
VENERA 11 SATELLITE
VENERA 12 SATELLITE
ZOND 1 SPACE PROBE
ZOND 4 SPACE PROBE
ZOND 6 SPACE PROBE
ZOND 8 SPACE PROBE

VENUS RADAR ECHOES
GS RADAR ECHOES
VENUS RADAR ECHOES

VENUS SURFACE
GS PLANETARY SURFACES
VENUS SURFACE
RT CLOUD COVER
EXTRATERRESTRIAL ENVIRONMENTS
PLANETARY CRATERS
SOLAR SYSTEM
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VENERA 12 SATELLITE
VENUS ORBITING IMAGING RADAR (SPACECRAFT)

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GS COMMUNICATING
VERBAL COMMUNICATION
RT ACOUSTICS
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LANGUAGES
LECTURES
PHONETICS
SPEECH BASEBAND COMPRESSION
TELEPHONE
VOICE COMMUNICATION
VOICE DATA PROCESSING
WORDS (LANGUAGE)

VERIFICATION (PROVING)
USE PROVING

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GS CLAYS
VERMICULITE
MINERALS
VERMICULITE
RT INSULATION
MICA
PACKAGING

VERMONT
GS UNITED STATES OF AMERICA
VERMONT
RT LAKE CHAMPLAIN BASIN (NY-VT)
ST LAWRENCE VALLEY (NORTH AMERICA)

VERNEUL PROCESS
GS GROWTH
CRYSTAL GROWTH
VENUEUL PROCESS
RT CZochralski Method
RUBY LASERS

VERNIER ENGINES
GS ENGINES
ROCKET ENGINES
VENNIER ENGINES
SYNCOM APOGEE ENGINES
TORPEDO ENGINES
VENNIER ENGINES
CONTROL ROCKETS
SYNCOM APOGEE ENGINES
YLR-101-NA-15 ENGINE
YLR-101-NA-16 ENGINE
ELECTRIC ROCKET ENGINES
ELECTROSTATIC ENGINES
HYBRID PROPELLANT ROCKET ENGINES
INTERNAL COMBUSTION ENGINES
LAUNCH VEHICLES
LIQUID PROPELLANT ROCKET ENGINES
MA-2 ENGINE

VIBRATIONAL ROCKET ENGINES
VENNIER ENGINES
ELECTRIC ROCKET ENGINES
ELECTROSTATIC ENGINES
HYBRID PROPELLANT ROCKET ENGINES
INTERNAL COMBUSTION ENGINES
LAUNCH VEHICLES
LIQUID PROPELLANT ROCKET ENGINES
MA-2 ENGINE
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<td>VERTICAL TAKEOFF AIRCRAFT-(CONT.)</td>
<td>VIBRATION-(CONT.)</td>
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<tr>
<td>CUSHIONCRAFT GROUND EFFECT MACHINE, FAN IN WING AIRCRAFT, GETOL AIRCRAFT, HELICOPTERS, LIFT FANS, LIFTING ROTORS = MILITARY AIRCRAFT, POWERED LIFT AIRCRAFT, RESEARCH AIRCRAFT, ROTARY WING AIRCRAFT, SHORT TAKEOFF AIRCRAFT, SUBSONIC AIRCRAFT, T-5 ENGINE, T-5B-GS-65 ENGINE, TT-106 ENGINE, TILT WING AIRCRAFT, V/STOL AIRCRAFT = WINGED VEHICLES</td>
<td>FREE VIBRATION, LATTICE VIBRATIONS, POGO EFFECTS, RANDOM VIBRATION, RESONANT VIBRATION, STRUCTURAL VIBRATION, BENDING VIBRATION, BREATHING VIBRATION, FLUTTER, PANEL FLUTTER, SUBSONIC FLUTTER, SUPERSONIC FLUTTER, TRANSONIC FLUTTER, LINEAR VIBRATION, MISSILE VIBRATION, SELF INDUCED VIBRATION, PANEL FLUTTER, SUBSONIC FLUTTER, SUPERSONIC FLUTTER, TRANSONIC FLUTTER, TORSIONAL VIBRATION</td>
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<td>USE VERTICAL LANDING VERTICAL TAKEOFF</td>
<td>AMPLITUDES, ANTIMODES, COMPACTING, CYCLOID LOADS, DISPLACEMENT = DYNAMICS, ELASTIC WAVES, FATIGUE (MATERIALS), FLAPPING, HARMONICS, ISOLATORS, MECHANICAL OSCILLATORS, MECHANICAL SHOCK, MODES (STANDING WAVES), MOTION, NODES (STANDING WAVES), MUTATION, OSCILLATING CYLINDERS, OSCILLATORS, RESONANCE, SHAKING, SHOCK RESISTANCE, SPACECRAFT MOTION, STANDING WAVES, VIBRATIONAL STRESS, VIBRATORY LOADS, VIBRATORY POLISHING, WAVES, WING OSCILLATIONS</td>
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<td>RT BARRANCY CHAIR, EAR PRESSURE TEST VESTIBULAR TESTS</td>
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<td>USE BOEING AIRCRAFT</td>
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<td>VERY HIGH FREQUENCIES</td>
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VOSTOK SPACECRAFT

VOSKHOD 2 SPACECRAFT

VORTICITY TRANSPORT HYPOTHESIS

GS MANNED SPACECRAFT

RT ATMOSPHERIC CIRCULATION

BELTRAM FLOW

CROCCO METHOD

FLOW STABILITY

HELMHOLTZ VORTICITY EQUATION

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SECONDARY FLOW

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FLOW EQUATIONS

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VON KARMAN EQUATION

VORTICITY TRANSPORT HYPOTHESIS

GS HYPOTHESIS

VORTICITY TRANSPORT HYPOTHESIS

RT CIRCULATION EQUATIONS

EDDY CURRENTS

MIXING LENGTH FLOW THEORY

TURBULENT FLOW

VOSKHOD MANNED SPACECRAFT

GS MANNED SPACECRAFT

... VOSKHOD MANNED SPACECRAFT

... VOSKHOD 1 SPACECRAFT

... VOSKHOD 2 SPACECRAFT

REENTRY VEHICLES

RECOVERABLE SPACECRAFT

VOSKHOD MANNED SPACECRAFT

... VOSKHOD 1 SPACECRAFT

... VOSKHOD 2 SPACECRAFT

SOFT LANDING SPACECRAFT

VOSKHOD MANNED SPACECRAFT

... VOSKHOD 1 SPACECRAFT

... VOSKHOD 2 SPACECRAFT

RT SPACE CAPSULES

VOSTOK 1 SPACECRAFT

GS MANNED SPACECRAFT

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REENTRY VEHICLES

RECOVERABLE SPACECRAFT

VOSTOK SPACECRAFT

... VOSTOK 1 SPACECRAFT

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SOFT LANDING SPACECRAFT

VOSTOK SPACECRAFT

... VOSTOK 1 SPACECRAFT

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VOSTOK 2 SPACECRAFT

GS MANNED SPACECRAFT

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REENTRY VEHICLES

RECOVERABLE SPACECRAFT

VOSTOK SPACECRAFT

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SOFT LANDING SPACECRAFT

VOSTOK SPACECRAFT

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VOSTOK 4 SPACECRAFT

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VOSTOK SPACECRAFT

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SOFT LANDING SPACECRAFT

VOSTOK SPACECRAFT

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VOSTOK 6 SPACECRAFT

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VOSTOK SPACECRAFT

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RT SPACE CAPSULES

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RT GOVERNMENTS

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RT CONSONANTS (SPEECH)

GRAMMARS

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WORDS (LANGUAGE)

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VOYAGER PROJECT

GS PROGRAMS

... VOYAGER PROJECT

RT BEAGLE PROJECT

MARSH PROBES

SATURN PROBES

UNMANNED SPACECRAFT

VENUS PROBES

VOYAGER 1 SPACECRAFT

GS INTERPLANETARY SPACECRAFT

... VOYAGER 1 SPACECRAFT

UNMANNED SPACECRAFT

... VOYAGER 1 SPACECRAFT

RT FLYBY MISSIONS

GRAND TOURS

JUPITER (PLANET)

JUPITER PROBES

SPACE PROBES

VULCANIZED ELASTOMERS

USE VULCANIZED ELASTOMERS

VULCAN AIRCRAFT

USE VERTICAL TAKEOFF AIRCRAFT

VULCANIZING

GS CROSSLINKING

VULCANIZING

RT CURING

VULCANIZED ELASTOMERS

VULNERABILITY

GS VULNERABILITY
WARFARE

GS WARFARE
  • ANTI-SHIP WARFARE
  • ANTI-SUBMARINE WARFARE
  • CHEMICAL WARFARE
  • ELECTRONIC WARFARE
  • GUERRILLAS
  • NUCLEAR WARFARE
RT ATTACKING (ASSAULTING)
B-1 AIRCRAFT
CHEMICAL DEFENSE
EVADE ACTIONS
INFLATION
INTERNATIONAL LAW
ORDNANCE
PEACETIME
POLITICS
STRATEGY
VIOLENCE

WARHEADS
GS WEAPONS
  • WARHEADS
    • NUCLEAR WARHEADS
    • PRECISION GUIDED PROJECTILES
RT AMMUNITION
ANTI-SHIP WARFARE
BOMBS (ORDNANCE)
EXPLOSIVE DEVICES
EXPLOSIONS
FUSES
FUSES (ORDNANCE)
MISSILE COMPONENTS
MISSILES
NOSE CONES
NUCLEAR DEVICES
NUCLEAR WEAPONS
PAYLOADS
PROJECTILES
ROCKETS
SHAPED CHARGES
TORMEDOES

WARM FRONTS
GS FRONTS (METEOROLOGY)
  • WARM FRONTS
RT AIR MASSES
COLD FRONTS
FRONTS
METEOROLOGICAL PARAMETERS
METEOROLOGY
STORMS
SYNOPTIC METEOROLOGY
THUNDERSTORMS
TORNADOES
WEATHER FORECASTING

WARNING
USE HEATING

WARNING
RT ACCIDENT PREVENTION
AUDITORY SIGNALS
BELLS
CIVIL DEFECE
COLLISION AVOIDANCE
DETECTION
DETECTORS
EVADE ACTIONS
FIRE PREVENTION
FIRES
GAS DETECTORS
HARDS
HEAD-UP DISPLAYS
HORN
MONITORS
NATIONAL SEVERE STORMS PROJECT
POLUTION MONITORING
PROTECTION
PUBLIC ADDRESS SYSTEMS
SAFETY
SAFETY DEVICES
SAFETY MANAGEMENT
SANITATION
SIRENS
SOUND GENERATORS
SYSTEMS
THREAT EVALUATION

WARPAGE
RT BENDING
BUCKING
CAMBER
DEFORMATION
DISTORTION
GROWTH
HEAVING
PLASTIC DEFORMATION
SHRINKAGE
STRUCTURAL STRAIN
SURFACE DISTORTION
THERMAL EXPANSION
TWISTING

WASHERS
SN USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW
RT WASHERS (CLEANERS)
WASHERS (SPACERS)

WASHERS (CLEANERS)
RT CLEANERS
CONCENTRATORS
EXTRACTION
SEPARATORS
WASHERS
WASHING

WASHERS (SPACERS)
RT FASTENERS
WASHERS (SPACERS)
INSERTS
SEPARATORS
WASHERS

WASHING
UF SCRUBBING
GS WASHING
  • HOUSEKEEPING (SPACECRAFT)
RT BATHING
BENEFICATION
CLEANING
DECONTAMINATION
DISTILLATION
ELUTION
FLUSHING
PURIFICATION
SCRUBBERS
SEPARATION
WASHERS (CLEANERS)
WASTE WATER

WASHINGTON
GS UNITED STATES OF AMERICA
WASHINGTON
RT CASCADE RANGE (CA-OR-WA)

WASHINGTON (CONT.)
GS COLUMBIA RIVER BASIN (ID-OR-WA)

WASHINGTON COUNTY METEORITE
GS CELESTIAL BODIES
  • METEORITES
    • IRON METEORITES
    • WASHINGTON COUNTY METEORITE

WASHOUT (RADIOACTIVITY)
USE FALLOUT

WASP SOUNDING ROCKET
UF HIGH ALTITUDE SOUNDING PROJECTILE
WINDOW ATMOSPHERE SOUNDING PROJECTILE
GS ROCKET VEHICLES
  • MULTISTAGE ROCKET VEHICLES
  • WASP SOUNDING ROCKET
  • WASP SOUNDING PROJECTILE
RT LOW ROCKET VEHICLE
SOLID PROPELLANT ROCKET ENGINES

WASPALOY
GS ALLOYS
  • HEAT RESISTANT ALLOYS
  • WASPALOY
  • NICKEL ALLOYS
  • WASPALOY
RT CHROMIUM ALLOYS
COBALT ALLOYS
WROUGHT ALLOYS

WASTE DISPOSAL
GS DISPOSAL
  • WASTE DISPOSAL
    • COMPOSTING
RT AIR POLLUTION
DEEP WELL INJECTION (WASTES)
DEWATERING
DILUTION
DISPERSION
DRAINAGE
EFFLUENTS
ELIMINATION
ENVIRONMENT EFFECTS
ENVIRONMENT POLLUTION
ENVIRONMENTAL CHEMISTRY
ENVIRONMENTAL ENGINEERING
ENVIRONMENTAL SURVEYS
EXHAUST GASES
EXHAUST SYSTEMS
GARBAGE
HUMAN WASTES
INCENTRATORS
INDUSTRIAL WASTES
LANDFILLS
MANURES
MATERIALS HANDLING
METABOLIC WASTES
MINES (EXCAVATIONS)
MODULAR INTEGRATED UTILITY SYSTEM PIPELINES
PLASMA CORE REACTORS
POLLUTION
PONDS
RADWASTE DISPOSAL
SANITATION
SEWAGE
SEWAGE TREATMENT
SEWERS
SOLID WASTES
SPACE FLIGHT FEEDING
STORAGE
SUMPS
UTILITIES
WASTES
WATER POLLUTION

WASTE ENERGY UTILIZATION
GS UTILIZATION
  • WASTE ENERGY UTILIZATION
RT BOILERS
BURNERS
CHIMNEYS
CONVERSION
ENERGY CONVERSION
EXHAUST GASES
FURNACES
HEAT TRANSFER
HEATING
INCENTRATORS
LIGHTING EQUIPMENT

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<td>SPACE MANUFACTURING</td>
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<td>SPACE PROCESSING APPLICATIONS</td>
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<td>WEIGHTLESSNESS SIMULATION</td>
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<td>GS MECHANICAL PROPERTIES</td>
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<td>RT PATCH TESTS</td>
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<td>GS JOINTS (JUNCTIONS)</td>
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<td>WS LAUNCH FORMS</td>
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<td>ISLANDS</td>
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<td>WEST INDIES</td>
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<td>MARTINIQUE</td>
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<td>PUERTO RICO</td>
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<td>TRINIDAD AND TOBAGO</td>
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<td>VIRGIN ISLANDS</td>
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WEST VIRGINIA

WEST INDIES (CONT.)
RT ATLANTIC OCEAN

WEST VIRGINIA
GS UNITED STATES OF AMERICA
RT ALLEGHENY PLATEAU (US)
OHIO RIVER (US)
POTOMAC RIVER VALLEY (MD-VA-WV)

WESTLAND AIRCRAFT
GS WESTLAND AIRCRAFT
RT P-531 HELICOPTER
WESTLAND WHIRLWIND HELICOPTER

WESTLAND GROUND EFFECT MACHINES
UF SR-N2 GROUND EFFECT MACHINE
SR-N3 GROUND EFFECT MACHINE
SR-N5 GROUND EFFECT MACHINE
WESTLAND SR-N2 GROUND EFFECT MACHINE
WESTLAND SR-N2 HOVERCRAFT
WESTLAND SR-N3 GROUND EFFECT MACHINE
WESTLAND SR-N3 HOVERCRAFT
WESTLAND SR-N5 GROUND EFFECT MACHINE
GS GROUND EFFECT MACHINES
WESTLAND GROUND EFFECT MACHINES

WESTLAND MK-10 HELICOPTER
USE WESTLAND WHIRLWIND HELICOPTER

WESTLAND P-531 HELICOPTER
USE P-531 HELICOPTER

WESTLAND SR-N2 GROUND EFFECT MACHINE
USE WESTLAND GROUND EFFECT MACHINES

WESTLAND SR-N2 HOVERCRAFT
USE WESTLAND GROUND EFFECT MACHINES

WESTLAND SR-N3 GROUND EFFECT MACHINE
USE WESTLAND GROUND EFFECT MACHINES

WESTLAND SR-N3 HOVERCRAFT
USE WESTLAND GROUND EFFECT MACHINES

WESTLAND SR-N5 GROUND EFFECT MACHINE
USE WESTLAND GROUND EFFECT MACHINES

WESTLAND WHIRLWIND HELICOPTER
USE WESTLAND MK-10 HELICOPTER
WESTLAND SR-N10 HELICOPTER

GS UTILITY AIRCRAFT
RT WESTLAND WHIRLWIND HELICOPTER
V/STOL AIRCRAFT
. ROTARY WING AIRCRAFT
. HELICOPTERS
. WESTLAND WHIRLWIND HELICOPTER
WESTLAND AIRCRAFT
WESTLAND WHIRLWIND HELICOPTER

RT AIRCRAFT

WET CELLS (CONT.)
FUEL CELLS
NONAQUEOUS ELECTROLYTES
PRIMARY BATTERIES

WET SPINNING
RT EXTRUding
FIBERS
. FILAMENTS
. PROCESSING
SYNTHETIC FIBERS
TEXTILES
WETTING

WETLANDS
GS LAND
. WETLANDS
RT COASTAL CURRENTS
COASTAL ECOLOGY
COASTAL PLAINS
COASTAL WATER
ENVIRONMENT EFFECTS
FISHERIES
MARINE BIOLOGY
MARINE ENVIRONMENTS
MARINE RESOURCES
MARSHLANDS
NEARSHORE WATER
OCÉANOGRAPHY
OIL POLLUTION
SEA GRASSES
SHORTLINES
TIDES
WATER RESOURCES
WATERFOWL
WILDLIFE

WETNESS
USE MOISTURE CONTENT

WETTABILITY
RT ADHESION
ADHESION TESTS
FORMATION
HYDROSCOPICITY
PERMEABILITY
POROSITY
SURFACE PROPERTIES
WETTING

WHEELS
GS WHEELS
. COUNTER-ROTATING WHEELS
. FLYWHEELS
. REACTION WHEELS
. TURBOIDAL WHEELS
. TURBINE WHEELS
. VEHICLE WHEELS
. NOSE WHEELS
. WATER WHEELS
RT BEARINGS
. BRAKES (FOR ARRESTING MOTION)
. GEAR WHEELS
. HUBS
. LANDING GEAR
. PULLEYS
. ROLLERS
. ROTORS
. SHAFTS (MACHINE ELEMENTS)
. SPOKES
. TIRES

WHIP ANTENNAS
GS ANTENNAS
. OMNI DIRECTIONAL ANTENNAS
. MONOPOLE ANTENNAS
. WHIP ANTENNAS
RT RADIO ANTENNAS

WHISP INJURIES
GS INJURIES
. WHIP INJURIES
. WHEAT
RT BACK INJURIES
. CRASH INJURIES

WHIRL
USE ROTATION

WHIRL STABILITY
USE ROTARY STABILITY

WHIRLING
USE ROTATION

WHIRLING TESTS
USE SPIN TESTS

WHIRLWIND MK-10 HELICOPTER
USE WESTLAND WHIRLWIND HELICOPTER

WHIRLWIND PROJECT
GS PROGRAMS
. PROJECTS
. WHIRLWIND PROJECT

WHISKER COMPOSITES
USE METAL WHISKER REINFORCEMENT
. COMPOSITE MATERIALS

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NASA THESAURUS (VOLUME 1)

WHEAT
GS FARM CROPS
. GRAINS (FOOD)
. WHEAT
RT CROP GROWTH
. CROP GROWTH
. CROP VIGOR
. CROPS
. RICE

WHEATSTONE BRIDGES
GS CIRCUITS
. ELECTRIC BRIDGES
. WIRE BRIDGE CIRCUITS
. WHEATSTONE BRIDGES
RT MEASURING INSTRUMENTS
. OHMETERS

WHEEL BRAKES
GS BRAKES (FOR ARRESTING MOTION)
. WHEEL BRAKES
RT AIRCRAFT BRAKES
. AIRCRAFT SAFETY
. ANTISKID DEVICES
. CONTROLLABILITY
. FRICTION
. HYDRAULIC EQUIPMENT
. LANDING GEAR
. TIRES
. VEHICLE WHEELS

WHEELCHAIRS
RT HANDICAPS
. HUMAN FACTORS ENGINEERING
. LOCOMOTION
. RAMPS (STRUCTURES)

WET CELLS
GS ELECTROCHEMICAL CELLS
. ELECTRIC BATTERIES
. WET CELLS
RT ELECTRIC CELLS
. ELECTROLYTES
W2F AIRCRAFT

X RAY ASTROPHYSICS FACILITY

X RAY ABSORPTION

X RAY APPARATUS

X RAY ASTRONOMY

X RAY ASTRONOMY FACILITY

W2F AIRCRAFT

X RAY LASERS

X RAY SOURCES

X RAY SPECTRA

X RAY SPECTROGRAPHY

X RAY SPECTROSCOPY

X RAY STRESS MEASUREMENT

X RAY STRESS MEASUREMENT

X RAY TELESOPES

X RAY TUBES

X WING ROTORS

X-Y PLOTTERS

X-1 AIRCRAFT

X-2 AIRCRAFT

NASA THESAURUS (VOLUME 1)
### NASA Thesaurus (Volume 1)

**XV-8A Aircraft (Cont.)**
- Yagi Antennas
- Utility Aircraft
- V/STOL Aircraft
- Flexible Wings

**XV-9A Aircraft**
- Hughes Aircraft
- V/STOL Aircraft
- Vertical Takeoff Aircraft
- Lift Fans

**XV-10 Aircraft**
- BELL Aircraft
- Rotary Wing Aircraft
- Tilt Rotor Aircraft

**XYLOSE**
- Aliphatic Compounds
- Sugars
- Monosaccharides
- Xylose
- Pentose
- Carbohydrates
- Sugars
- Monosaccharides

**XYLINENE**
- Hydrocarbons
- Toluene

**XYLOCAINE**
- Drugs
- Anesthetics

**XYSTONE NATIONAL PARK** (ID-MT-WY)
- Land
- Parks
- National Parks

**YAK 40 Aircraft**
- General Aviation Aircraft
- Jet Aircraft
- Light Aircraft
- Passenger Aircraft

**YAK-15 Aircraft**
- V/STOL Aircraft
- XV-9A Aircraft
- Utility Aircraft

**YANG-MILLS Fields**
- Electromagnetic Fields
- Field Theory (Physics)
- Gauge Theory
- Gravitational Fields
- Perturbation Theory
- Yang-Mills Theory

**YANG-MILLS Theory**
- Field Theory (Physics)
- Gauge Theory
- Perturbation Theory
- Space-Time Functions
- Statistical Analysis
- Theoretical Physics

**YARNS**
- Cordage
- Cotton
- Fibers
- Yarns
- Wool

**YAW**
- Damping in Yaw
- Fishiptailing
- Yawmeters

**YAWMETERS**
- Use Attitude Indicators

**YAWING MOMENTS**
- Stability Derivatives
- Yawing Moments

**YAWING MOMENTS**
- Use Yawing Moments

**YIELD**
- Use Yield Strength

**YIELD STRENGTH**
- Use Yield Strength

**YIG (GARNET)**
- Use Yttrium-Aluminum Garnet

**YIG (GARNET)**
- Use Yttrium-Iron Garnet

**YJ73 Turbojet Engine**
- Use YJ73 Engine
ZOND SPACE PROBES (CONT.)
- 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 MARS PROBES
ZOND 1 SPACE PROBE
- ZUND PROBE
- ZOND SPACE PROBES
- ZOND 1 SPACE PROBE

GS INTERPLANETARY SPACECRAFT
- VENUS PROBES
- ZOND SPACE PROBES
- ZUND SPACE PROBE
- ZOND SPACE PROBES
- ZOND 1 SPACE PROBE

SOVIET SPACECRAFT
- ZOND SPACE PROBES
- ZOND SPACE PROBES
- ZOND 1 SPACE PROBE

UNMANNED SPACECRAFT
- SPACE PROBES
- VENUS PROBES
- ZOND SPACE PROBES
- ZOND 1 SPACE PROBE

ZOND 2 SPACE PROBE
- ZUND SPACE PROBE
- ZOND SPACE PROBES
- ZOND 1 SPACE PROBE

SOVIET SPACECRAFT
- ZOND SPACE PROBES
- ZOND SPACE PROBES
- ZOND 1 SPACE PROBE

ZOND 3 SPACE PROBE
- ZUND SPACE PROBE
- ZOND SPACE PROBES
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SOVIET SPACECRAFT
- ZOND SPACE PROBES
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- ZOND 1 SPACE PROBE

ZOND 4 SPACE PROBE
- ZUND SPACE PROBE
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SOVIET SPACECRAFT
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SOVIET SPACECRAFT
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ZOND 8 SPACE PROBE
- ZUND SPACE PROBE
- ZOND SPACE PROBES
- ZOND 1 SPACE PROBE

SOVIET SPACECRAFT
- ZOND SPACE PROBES
- ZOND SPACE PROBES
- ZOND 1 SPACE PROBE

ZONE MELTING
- UF ZONE REFINING
- GS PHASE TRANSFORMATIONS
- FREEZING
- ZONE MELTING
- RT ARC MELTING
- CRYSTALLIZATION
- MELTING
- PURIFICATION
- REFINING
- SEPARATION
- ULTRAPURE METALS
- VACUUM MELTING

ZONE REFINING
USE ZONE MELTING

ZONES
USE REGIONS

ZOOLOGY
USE ANIMALS
- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
- RT ANIMALS
- BOTANY
- ENTOMOLOGY
- TAXONOMY

ZPR REACTORS
USE ZERO POWER REACTORS

ZUNI ROCKET VEHICLE
USE single stage rocket vehicles
- ZUNI ROCKET VEHICLE

RT SOLID PROPELLANT ROCKET ENGINES
There are 16,713 postable terms and 3,716 nonpostable terms approved for use in the NASA scientific and technical information system in the Hierarchical Listing of the NASA Thesaurus. The generic structure is presented for many terms. The broader term and narrower term relationships are shown in an indented fashion that illustrates the generic structure better than the more widely used BT and NT listings. Related terms are generously applied, thus enhancing the usefulness of the Hierarchical Listing. Greater access to the Hierarchical Listing may be achieved with the collateral use of Volume 2 - Access Vocabulary.