NASA THESAURUS SUPPLEMENT

JANUARY 1985

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

THESAURUS
SUPPLEMENT

JANUARY 1985

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

National Aeronautics
and Space Administration

Scientific and Technical
Information Branch

1985
INTRODUCTION

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

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

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

• Earthnet

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

Any comments or suggestions about this publication, including suggestions for new terms, should be directed to the Lexicographer, NASA Scientific and Technical Information Facility, P.O. Box 8757, BWI Airport, Maryland 21240.
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PART 3
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A

A-310 AIRCRAFT
GS COMMERCIAL AIRCRAFT EUROPEAN AIRBUS
A-310 AIRCRAFT JET AIRCRAFT EUROPEAN AIRBUS
PASSenger AIRCRAFT EUROPEAN AIRBUS
A-310 AIRCRAFT TRANSPORT AIRCRAFT SHORT HAUL AIRCRAFT EUROPEAN AIRBUS
A-310 AIRCRAFT RT INTERNATIONAL COOPERATION SWEPT WINGS

A-320 AIRCRAFT
GS COMMERCIAL AIRCRAFT EUROPEAN AIRBUS
A-320 AIRCRAFT JET AIRCRAFT EUROPEAN AIRBUS
PASSenger AIRCRAFT EUROPEAN AIRBUS
A-320 AIRCRAFT TRANSPORT AIRCRAFT SHORT HAUL AIRCRAFT EUROPEAN AIRBUS
A-320 AIRCRAFT RT INTERNATIONAL COOPERATION SWEPT WINGS

ACCOUNTING
RT BUDGETING COSTS
FINANCE

ACCRETION DISKS
RT ASTROPHYSICS
BINARY STARS
BLACK HOLES (ASTRONOMY)
DISKS (SHAPES)
ECLIPSEING BINARY STARS
GALACTIC NUCLEI
ROTATING DISKS
STELLAR MASS ACCRETION

ACEE PROGRAM
UF AIRCRAFT ENERGY EFFICIENCY
PROGRAM
ENERGY EFFICIENCY TRANSPORT
GS PROGRAMS
NASA PROGRAMS
ACEE PROGRAM

ADA (PROGRAMMING LANGUAGE)
GS LANGUAGES
ADA (PROGRAMMING LANGUAGE)
RT COMPUTER PROGRAMMING
EMBEDDED COMPUTER SYSTEMS

AEROASSIST
RT AEROBRACING
AEROSKATING
AEROMANEUVERING
ATMOSPHERIC ENTRY
INTERPLANETARY TRANSFER ORBITS
TRANSFER ORBITS

AEROCAPTURE
RT AEROASSIST
AEROBRACING
AEROCAPTURE
AEROMANEUVERING
ATMOSPHERIC ENTRY
INTERPLANETARY TRANSFER ORBITS
TRANSFER ORBITS

AEROELASTIC RESEARCH WINGS
GS WINGS
AEROELASTIC RESEARCH WINGS
STRUCTURAL DESIGN
AEROELASTIC RESEARCH WINGS
RT AIRCRAFT DESIGN

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

AIR START
GS STARTING
AIR START
RT AIRCRAFT CONTROL
AIRCRAFT ENGINES
ENGINE CONTROL
FLIGHT TESTS

AIRBORNE LASERS
GS ONBOARD EQUIPMENT
AIRBORNE LASERS
STIMULATED EMISION DEVICES
LASERS

AIRBORNE LASERS
RT LASER APPLICATIONS
LASER RANGER/TRACKER
REMOTE SENSORS
SPACEBORNE LASERS

AIRCRAFT ENERGY EFFICIENCY PROGRAM
USE ACEE PROGRAM

AIRCRAFT POWER SUPPLIES
GS ELECTRIC POWER SUPPLIES
AIRCRAFT POWER SUPPLIES
AIRCRAFT POWER SUPPLIES
RT AIRCRAFT EQUIPMENT
AIRCRAFT POWER SUPPLIES
POWER SUPPLIES

ALBERTA
GS NATIONS
CANADA

ALLENDE METEORITE
GS CELESTIAL BODIES
METEORITES
STONEY METEORITES
CHONDrites
CARBONACEOUS CHONDrites
ALLENDE METEORITE

AMPHITRITE ASTEROID
GS CELESTIAL BODIES
ASTEROID BELTS
ASTEROIDS
AMPHITRITE ASTEROID
RT GALILEO PROJECT

ANIK SATELLITES
GS CANADIAN SPACECRAFT
ANIK SATELLITES
ANIK 1
ANIK 2
ANIK 3
SATELLITES
ARTIFICIAL SATELLITES
SYNCHRONOUS SATELLITES
ANIK SATELLITES
ANIK 1
ANIK 2
ANIK 3
RT CANADIAN SPACE PROGRAMS
DELTA LAUNCH VEHICLE
INTERNATIONAL COOPERATION

ANTISTATIC DEVICES
USE STATIC DISCHARGERS

APES
GS ANIMALS
VERTEBRATES
MAMMALS
PRIMATES
APES

ARABSAT
GS SATELLITES
ARTIFICIAL SATELLITES
ARABSAT
EARTH SATELLITES
ARABSAT
RT INTERNATIONAL COOPERATION

ARC CLOUDS
GS CLOUDS
CLOUDS (METEOROLOGY)
CONVECTION CLOUDS
CUMULONIMBUS CLOUDS
ARC CLOUDS
RT METEOROLOGY
OBSERVATION AIRCRAFT
SATELLITE OBSERVATION

ARIES SOUNDING ROCKET
GS ROCKET VEHICLES
### ASTROMASTS

- **ARIES SOUNDING ROCKET (CONT.)**
  - SOUN丁NG ROCKETS
  - ARIES SOUNDING ROCKET

- **ASTROMASTS**
  - USE LONGERONS

### ASTRONOMICAL SATELLITES

- GS OBSERVATORIES
- ASTROMONICAL OBSERVATORIES
- ASTRONOMICAL SATELLITES
  - HEAO
    - HEAD 1
    - HEAD 2
    - HEAD 3
    - OAO
    - OAO 1
    - OAO 2
    - OAO 3
    - OSG
    - OSG 1
    - OSG 2
    - OSG 3
    - OSG 4
    - OSG 5
    - OSG 6
    - OSG 7
    - OSG 8
- SPACE INFRARED TELESCOPE
- FACILITY
- SPARTrAN SATELLITES
- ARTIFICIAL SATELLITES
- ASTRONOMICAL SATELLITES
  - HEAO
    - HEAD 1
    - HEAD 2
    - HEAD 3
    - OAO
    - OAO 1
    - OAO 2
    - OAO 3
    - OSG
    - OSG 1
    - OSG 2
    - OSG 3
    - OSG 4
    - OSG 5
    - OSG 6
    - OSG 7
    - OSG 8
- SPACE INFRARED TELESCOPE
- FACILITY
- SPARTrAN SATELLITES
- EARTH SATELLITES
- ASTRONOMICAL SATELLITES
  - HEAO
    - HEAD 1
    - HEAD 2
    - HEAD 3
    - OAO
    - OAO 1
    - OAO 2
    - OAO 3
    - OSG
    - OSG 1
    - OSG 2
    - OSG 3
    - OSG 4
    - OSG 5
    - OSG 6
    - OSG 7
    - OSG 8
  - GS ELECTROMAGNETIC WAVE FILTERS
  - DF ELECTROMAGNETIC WAVE FILTERS
  - BAHAMAS
  - ISLANDS
  - WEST INDIES
  - CARIBBEAN REGION

### ATLAS (ORBITER)

- UF SPACE SHUTTLE ORBITER 104
- GS TRANSPORTATION
  - SPACE TRANSPORTATION
  - SPACE TRANSPORTATION SYSTEM
  - SPACE SHUTTLE ORBITERS
- ATLANTIS (ORBITER)
  - RT MANNED SPACE FLIGHT

### ATLAS (ORBITER) (CONT.)

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

### ATMOSPHERIC CORRECTION

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

### ATMOSPHERIC LOADING

- USE POLLUTION TRANSPORT

### ATOMIC INTERACTIONS

- RT ATOMIC ENERGY LEVELS
- MOLECULAR STRUCTURE
- QUANTUM MECHANICS

### AUDIO DATA

- RT AUDIO FREQUENCIES
- DATA
- TRANSMISSION

### AUDIO SIGNALS

- RT AUDIO FREQUENCIES
- AUDITORY SIGNALS
- SIGNAL PROCESSING
- SIGNAL TRANSMISSION
- SIGNALS

### AUTOMATED TRANSIT VEHICLES

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

### AUTUMN

- GS SEASONS
- AUTUMN
- SUMMER
- WINTER

### AV-8B AIRCRAFT

- USE HARRIER AIRCRAFT

### AWARDS

- SN (EXCLUDES CONTACTS & GRANTS)
- RT ASTRONAUTS
- SCIENTISTS

### B

### BACKWARD DIFFERENCING

- RT DIFFERENTIAL EQUATIONS
- NUMERICAL STABILITY
- PROBLEM SOLVING

### BACKWARD FACING STEPS

- UF REARWARD FACING STEPS
- RT BOUNDARY LAYER FLOW
- FLOW GEOMETRY
- FLUID BOUNDARIES
- REATTACHED FLOW
- RECIRCULATING FLOW
- RecIRCULATING FLOW
- STAIRSTEPS
- STAIRSTEMS

### BAHAMAS

- GS LANDFORMS
- ISLANDS
- WEST INDIES
- BAHAMAS
- NATIONS
- BAHAMAS
NASA THESAURUS SUPPLEMENT (PART 1)

Biot Number

Cam (Manufacturing)

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Cylindrical coordinates

Use cartesian coordinates

D

DaHomé
Use Benin

DAMA
Use demand assignment multiple access

DAST program
Use demand assignment multiple access

UF drones for aerodynamic and structure test

RT aerelasticity

Aircraft control

Aircraft design

Drone aircraft

Flight tests

Flutter

Remotely piloted vehicles

Vibration damping

Data flow analysis

Use thermal analysis

Differential analyzers

RT algorithms

Analog computers

Computerized simulation

Differential equations

Digital computers

Digital integrators

RT differential thermal analysis

Use thermal analysis

Dikes (geology)

Use rock intrusions

Dining philosophers problem

RT distributed processing

Interprocessor communication

Problem solving

Synchronization

Direction finding

Use bearing (direction)

Radio direction finders

Signal processing

Directional couplers

RT antenna components

Couplers

Coupling

Impedance matching

Microstrip transmission lines

Microwave coupling

Transmission lines

Yokes

Directories

RT handbooks

Manuals

Discovery (Orbiter)

Use space shuttle orbiter 103

UF space transportation

Space shuttle orbiter

-recovery spacecraft

Space shuttle mission 41-D

Space shuttle mission 51-A

Space shuttle mission 51-B

Space shuttle mission 51-D

Spacecraft

Distributed processing

Use data processing

Earthnet

Use earth observations (from space)

Earth resources

Europa satellites

European space programs

Landsat satellites

Remote sensors

Synthetic aperture radar

Eastern hemisphere

Use earth (planet)

Geography

Western hemisphere

Einstein observatory

Use head 2

El niño

Use circulation

Water circulation

Water currents

Ocean currents

El Nino

RT air water interactions

Ocean temperature

Pacific ocean

Periodic variations

Tropical meteorology
### ELECTRIC AIRCRAFT

**SN** (Design of Experiments Excludes Prototypes)

**UF** Design of Experiments

**GS** Experiment Design

**RT** Covariance

**DEGREES OF FREEDOM**

**RT** Design Factorial Design

**EXPERIMENT DESIGN**

**FACTOR ANALYSIS**

**LABORATORIES**

**MATHEMATICAL MODELS**

**OPERATIONS RESEARCH**

**ORTHOGONALITY**

**QUALITY CONTROL**

**REGRESSION ANALYSIS**

**STATISTICAL ANALYSIS**

**SYSTEMS ENGINEERING**

**VARIANCE (STATISTICS)**

---

### EXPERT SYSTEMS

**UF** Knowledge Engineering

**GS** Intelligenz

**RT** Artificial Intelligence

**EXPERT SYSTEMS**

**LOGIC PROGRAMMING**

---

### EXPEDITION 42 SATELLITE

**USE** UHURO SATELLITE

---

### FAR UV SPECTROSCOPIC EXPLORER

**GS** Satellites

**RT** Artificial Satellites

**EXPLORER SATELLITE**

**FLIGHT MANAGEMENT SYSTEMS**

**GS** Management Systems

**RT** Flight Management Systems

---

### FLIGHT MANAGEMENT SYSTEMS

**RT** Air Navigation

**AIR TRAFFIC CONTROL**

**AVIONICS**

**COMPUTER TECHNIQUES**

**FLIGHT CONTROL**

**GROUND BASED CONTROL**

**NAVIGATION AIDS**

**ONBOARD DATA PROCESSING SYSTEMS ENGINEERING**

---

### FLUID MANAGEMENT

**RT** Cryogenic Fluid Storage

**CRYOGENIC FLUIDS**

**CRYOGENIC ROCKET PROPELLANTS**

**FLUID DYNAMICS**

**FLUID-SOLID INTERFACES**

**REFLECTION SURFACES**

**REACTION KINETICS**

**REACTION RATE**

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### FLUOROPOLYMERS

**USE** Fluoropolymers

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### FORMYL IONS

**GS** Ions

**RT** Formyl Ions

---

### FRACTALS

**GS** Dimensions

**RT** Fractals

---

### FISCHER-TROPSCH PROCESS

**RT** Catalysis

**CATALYTIC ACTIVITY**

**REACTION KINETICS**

**SYNTHESIS (CHEMISTRY)**

**SYNTHETIC FUELS**

---

### FLAP VENTS

**GS** Airfoils

**ALEPONS**

**FLAPERONS**

**FLAPS (CONTROL SURFACES)**

**FLAP VENTS**

---

### FLAVOR

**PARTICLE PHYSICS**

**THEORETICAL PHYSICS**

**FLAVORS**

**PARTICLE PHYSICS**

---

### FRACTIONAL DESIGNS

**RT** Applications of Mathematics

**COORDINATES**

**EXPERIMENT DESIGN**

**HALF SPACES**

**MATHEMATICS**

**RATIOS**

**SET THEORY**
<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTERACTIONAL AERODYNAMICS</td>
<td>Study of the interactions between airfoils and fluid dynamics.</td>
</tr>
<tr>
<td>INTERACTIONAL AERODYNAMICS</td>
<td>Study of the interactions between airfoils and fluid dynamics.</td>
</tr>
<tr>
<td>AIRFOILS</td>
<td>Shapes and surfaces used in aerodynamics.</td>
</tr>
<tr>
<td>COMPUTATIONAL FLUID DYNAMICS</td>
<td>Simulation techniques for fluid flow.</td>
</tr>
<tr>
<td>LAMINAR BOUNDARY LAYER</td>
<td>Type of flow in which fluids move smoothly and consistently.</td>
</tr>
<tr>
<td>INTERDIGITAL TRANSUDERS</td>
<td>Devices that convert digital signals into analog signals.</td>
</tr>
<tr>
<td>TRANSUDERS</td>
<td>Devices that convert digital signals into analog signals.</td>
</tr>
<tr>
<td>INTERDIGITAL TRANSUDERS</td>
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<tr>
<td>DIGITAL TRANSUDERS</td>
<td>Devices that convert digital signals into analog signals.</td>
</tr>
<tr>
<td>ELECTROACOUSTIC TRANSUDERS</td>
<td>Devices that convert electrical signals into acoustic signals.</td>
</tr>
<tr>
<td>PIEZOELECTRIC TRANSUDERS</td>
<td>Devices that convert electrical signals into mechanical signals.</td>
</tr>
<tr>
<td>SURFACE ACOUSTIC WAVE DEVICES</td>
<td>Devices that create and detect surface acoustic waves.</td>
</tr>
</tbody>
</table>

**INTERNATIONAL GEOSphere-BiOSPHERE PROGRAM**

- **GS** PROGRAMS
- **RT** GEOchemistry
- **BIOSPHERE**
- **EARTH OBSERVATIONS (FROM SPACE)**
- **GEOPHYSICS**
- **MAN ENVIRONMENT INTERACTIONS**
- **SOLAR TERRESTRIAL INTERACTIONS**

**INTERNATIONAL SOLAR POLAR MISSION**

- **USE** ULYSSES MISSION

**INPERSONAL RELATIONS**

- **USE** HUMAN RELATIONS

**ION SPECTROMETERS**

- **USE** MASS SPECTROMETERS

**IGNOPAUSE**

- **SN** (EXCLUDES PLASMAPOUSE)

**IRAS-ARAKI-ALCOCK COMET**

- **GS** CELESTIAL BODIES
- **COMETS**
- **IRAS-ARAKI-ALCOCK COMET**

**IRS (INDIAN SPACECRAFT)**

- **USE** INDIAN SPACECRAFT

**JAPANESE SPACECRAFT**

- **USE** JAPANESE SPACECRAFT

**JUPITER SATELLITES**

- **GS** CELESTIAL BODIES
- **NATURAL SATELLITES**
- **JUPITER SATELLITES**
- **GAULIEN SATELLITES**
- **CALLISTO**
- **EUROPA**
- **GANYMED**

**JUPITER SATELLITES**

- **ANALYSIS**
- **GAULIEN SATELLITES**
- **CALLISTO**
- **EUROPA**
- **GANYMED**

**JUPITER SATELLITES**

- **RT** JUPITER (PLANET)
- **JUPITER RINGS**
- **SOLAR SYSTEM**
NASA THESAURUS SUPPLEMENT (PART 1)

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

OPTICAL DISKS
GS PERIPHERAL EQUIPMENT (COMPUTERS)
COMPUTER STORAGE DEVICES

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

ORATORY
USE PUBLIC SPEAKING

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

ORIGIN OF PLASMAS IN EARTH NEIGHBORHOOD
USE OPEN PROJECT

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

PARTICLE LADEN JETS
RT FUEL FLOW
JET FLOW
PARTICLES
TURBULENT FLOW

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

PBB
USE POLYBROMINATED BIPHENYLS

PERSONAL COMPUTERS
GS DATA PROCESSING EQUIPMENT
COMPUTERS
DIGITAL COMPUTERS
MICROCOMPUTERS
PERSONAL COMPUTERS
RT COMPUTER TECHNIQUES

PHOTOCLINOMETRY
USE PHOTOGRAMMERY

PIONEER 12 SPACE PROBE
USE PIONEER VENUS SPACECRAFT

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

PLASMA ANTENNAS
GS ANTENNAS
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### TRIAMINOTRINITROBENZENE

- **USE** TATB

### TRIBOLUMINESCENCE

- **GS** DEVICES
  - EMISSION
  - LIGHT EMISSION
  - LUMINESCENCE
  - PHOTOLUMINESCENCE

- **RT** FLUORESCENCE
  - FRICTION
  - MECHANICAL PROPERTIES
  - PHOTOLUMINESCENT BANDS
  - STRESSES
  - TRIBOLOGY

### TYROSINE

- **GS** ACIDS
  - AMINO ACIDS
  - TYROSINE
  - ORGANIC COMPOUNDS
  - AMINO ACIDS

- **RT** ENZYME ACTIVITY
  - LIVER

### ULTRALIGHT AIRCRAFT

- **RT** AIRCRAFT
  - HANG GLIDERS
  - LIGHT AIRCRAFT
  - WINGED VEHICLES

### ULYSSES MISSION

- **UF** INTERNATIONAL SOLAR POLAR MISSION
- **GS** SPACE MISSIONS
- **RT** INERTIAL UPPER STAGE
- **MISSION PLANNING**
  - SOLAR MAXIMUM MISSION
  - SOLAR PROBES

### UNIFIED FIELD THEORY

- **GS** FIELD THEORY (PHYSICS)
  - EINSTEIN EQUATIONS
  - ELECTROMAGNETIC FIELDS
  - ELECTROMAGNETIC INTERACTIONS
  - ELECTROMAGNETISM
  - GRAVITATION THEORY
  - GRAVITATIONAL FIELDS
  - PARTICLE THEORY
  - PLASMA PHYSICS
  - RELATIVITY
  - THEORETICAL PHYSICS

### UNITED STATES

- **(CONT.)**
  - MONTANA
  - NEBRASKA
  - NEVADA
  - NEW HAMPSHIRE
  - NEW JERSEY
  - NEW MEXICO
  - NEW YORK
  - NORTH CAROLINA
  - NORTH DAKOTA
  - OHIO
  - OKLAHOMA
  - OREGON
  - PENNSYLVANIA
  - RHODE ISLAND
  - SOUTH CAROLINA
  - SOUTH DAKOTA
  - TENNESSEE
  - TEXAS
  - UTAH
  - VERMONT
  - VIRGINIA
  - WASHINGTON
  - WEST VIRGINIA
  - WISCONSIN
  - WYOMING
  - ALEUTIAN ISLANDS (US)
  - CASCADE RANGE (CA-OR-WA)
  - CENTRAL ATLANTIC REGION (US)
  - DISTRICT OF COLUMBIA
  - GREAT LAKES (NORTH AMERICA)
  - GREAT PLAINS CORRIDOR (NORTH AMERICA)
  - GUAM
  - INTERNATIONAL FIELD YEAR FOR GREAT LAKES
  - INTERNATIONAL HYDROLOGICAL DECADE
  - MISSOURI RIVER (US)
  - NEW ENGLAND (US)
  - NEW YORK
  - NORTH AMERICA
  - PACIFIC NORTHWEST (US)
  - PANAMA CANAL ZONE
  - PUERTO RICO
  - ROCKY MOUNTAINS (NORTH AMERICA)
  - SOUTHERN CALIFORNIA
  - VIRGIN ISLANDS

### UPPER VOLTA

- **USE** BURKINA

### URANUS SATELLITES

- **GS** CELESTIAL BODIES
  - NATURAL SATELITES
  - URANUS SATELITES
  - PLANETS
  - GAS GIANT PLANETS
  - URANUS (PLANET)
  - URANUS SATELITES

### VAX COMPUTERS

- **GS** DATA PROCESSING EQUIPMENT
  - COMPUTERS
  - DIGITAL COMPUTERS

### VAX COMPUTERS

- **VAX COMPUTERS**
  - VAX-11 SERIES COMPUTERS
  - VAX-11/780 COMPUTER

### VCO

- **USE** VOLTAGE CONTROLLED OSCILLATORS

### VEGA PROJECT

- **RT** FLYBY MISSIONS
  - HALLEY'S COMET
  - INTERATIONAL COOPERATION
  - U.S.R. SPACE PROGRAM
  - VENERA SATELLITES
  - VENUS (PLANET)

### VEGETATIVE INDEX

- **RT** AGRISTARS PROJECT
  - ATMOSPHERIC ATTENUATION
  - ATMOSPHERIC EFFECTS
  - ATMOSPHERIC OPTICS
  - ATMOSPHERIC SCATTERING

### NASA THESARUS SUPPLEMENT (PART 1)

### VEGETATIVE INDEX (CONT.)

- **CANOPIES (VEGETATION)**
  - COLOR
  - CORRECTION
  - CROP IDENTIFICATION
  - CROP INVENTORIES
  - IMAGE ENHANCEMENT
  - IMAGING TECHNIQUES
  - MULTISPECTRAL BAND SCANNERS
  - RADIOMETRIC CORRECTION
  - REFLECTANCE
  - REMOTE SENSING
  - SATELLITE IMAGERY
  - SATELLITE OBSERVATION
  - SPECTRAL REFLECTANCE
  - VEGETATION GROWTH

### VERTICAL ATTITUDE TAKEOFF-LANDING AIRCRAFT

- **USE** VATOL AIRCRAFT

### VERY LARGE SCALE INTEGRATION

- **UF** VLSI
- **GS** CIRCUITS
  - INTEGRATED CIRCUITS
  - VERY LARGE SCALE INTEGRATION
  - ARCHITECTURE (COMPUTERS)
  - CHIPS (ELECTRONICS)
  - LARGE SCALE INTEGRATION

### VIDEO SIGNALS

- **RT** SIGNAL PROCESSING
  - SIGNAL TRANSMISSION
  - SIGNALS
  - VIDEO COMMUNICATION
  - VIDEO DATA

### VIRAL COEFFICIENTS

- **GS** COEFFICIENTS
  - VIRAL COEFFICIENTS
  - EQUATIONS OF STATE
  - INTERMOLECULAR FORCES
  - VIRAL THEOREM

### VIRTUAL MEMORY SYSTEMS

- **RT** COMPUTER SYSTEMS DESIGN
  - DATA MANAGEMENT
  - DATA STORAGE
  - MAGNETIC STORAGE

### VLSI

- **USE** VERY LARGE SCALE INTEGRATION

### VOLTAGE CONTROLLED OSCILLATORS

- **UF** VCO
- **GS** OSCILLATORS
  - VOLTAGE CONTROLLED OSCILLATORS
- **RT** CIRCUITS
  - ELECTRIC CONTROL
  - ELECTRIC NETWORKS
  - FREQUENCY MODULATION
  - FREQUENCY STABILITY
  - MICROWAVE OSCILLATORS
  - VOLTAGE REGULATORS

### VORTEX PRECESSION

- **RT** FLOW VELOCITY
  - FLOWMETERS
  - PRECISION
  - VELOCITY MEASUREMENT
  - VORTICES

### WASTE HEAT

- **RT** ENERGY TECHNOLOGY
  - HEAT EXCHANGERS
  - HEAT PUMPS
  - WASTE ENERGY UTILIZATION

### WEST PAKISTAN

- **USE** PAKISTAN

### WESTERN HEMISPHERE

- **RT** EARTH (PLANET)
  - EASTERN HEMISPHERE
  - GEOGRAPHY

### WHIRL TOWERS

- **RT** HELICOPTER DESIGN
WHIRL TOWERS (CONT.)
HOVERING
HOVERING STABILITY
PARACHUTES
ROTARY WINGS
ROTOR AERODYNAMICS
SPIN TESTS

WOLFRAM
USE TUNGSTEN

X

X RAY TIMING EXPLORER
GS SATELLITES
ARTIFICIAL SATELLITES
EXPLORER SATELLITES
X RAY TIMING EXPLORER
EARTH SATELLITES
EXPLORER SATELLITES
X RAY TIMING EXPLORER

XENON CHLORIDE LASERS
GS STIMULATED EMISSION DEVICES
LASERS
GAS LASERS
XENON CHLORIDE LASERS
RARE GAS-HALIDE LASERS
XENON CHLORIDE LASERS
RT ELECTRON TRANSITIONS
EXCIMER LASERS
LASER MATERIALS
LASER OUTPUTS
ULTRAVIOLET LASERS

Y

• YUKON TERRITORY
GS NATIONS
CANADA
YUKON TERRITORY
NASA THESAURUS SUPPLEMENT

PART 2
ACCESS VOCABULARY

A

A, AIR START
USE SHUTTLE IMAGING RADAR

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

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

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

A-310 AIRCRAFT

A-320 AIRCRAFT

Access, Demand Assignment Multiple
USE DEMAND ASSIGNMENT MULTIPLE ACCESS

ACCOUNTING

ACCRETION DISKS

Accuracy, Geodetic
USE GEODETiC ACCURACY

Accuracy, Geometric
USE GEOMETRIC ACCURACY

ACEE PROGRAM

Adenosine Monophosphate, Cyclic
USE CYCLIC AMP

AEROASSIST

AEROBRAKING

AEROCAPTURE

Aerodynamic And Struct Test, Drones For
USE DAST PROGRAM

Aerodynamics, Interactional
USE INTERACTIONAL AERODYNAMICS

AEROLEASTIC RESEARCH WINGS

AEROMAGNETISM

AEROMANEUVERING

AGROPHYSICAL UNITS

Aided Design, Computer
USE COMPUTER AIDED DESIGN

Aided Manufacturing, Computer
USE COMPUTER AIDED MANUFACTURING

Aided Mapping, Computer
USE COMPUTER AIDED MAPPING

Air Pollution, Indoor
USE INDOOR AIR POLLUTION

AIR START

AIRBORNE LASERS

Aircraft, A-310
USE A-310 AIRCRAFT

Aircraft, A-320
USE A-320 AIRCRAFT

Aircraft, AV-8B
USE HARRIER AIRCRAFT

Aircraft, Chinese
USE CHINESE AIRCRAFT

Aircraft, Electric
USE FLY BY WIRE CONTROL

Aircraft Energy Efficiency Program
USE ACEE PROGRAM

Airframe, High Manueverable
USE HIGHLY MANEUVERABLE AIRCRAFT

AIRCRAFT POWER SUPPLIES

Airframe, Ultralight
USE ULTRALIGHT AIRCRAFT

Airframe, US-2A
USE S-2 AIRCRAFT

Airframe, Vertical Attitude Takeoff-Landing
USE VATOL AIRCRAFT

Airfoils, Supercritical
USE SUPERCRITICAL AIRFOILS

ALBERTA

Alcock Comet, IReS-Araki-
USE IRAS-ARAI-ALCOCK COMET

Allende Meteorite

Amp, Cyclic
USE CYCLIC AMP

AMPHITRITE ASTEROID

Analysis, Cluster
USE CLUSTER ANALYSIS

Analysis, Data Flow
USE DATA FLOW ANALYSIS

Analysis, Gas Path
USE GAS PATH ANALYSIS

Analysis, Image
USE IMAGE ANALYSIS

Analysis, Multitemporal
USE TEMPORAL RESOLUTION

Analysis, Principal Components
USE PRINCIPAL COMPONENTS ANALYSIS

Analysis, Thermal
USE THERMAL ANALYSIS

ANI X SATELLITES

Anode Microchannel Arrays, Multi-
USE MULTI-ANODE MICROCHANNEL ARRAYS

Anodes, Shell
USE SHELL ANODES

Anomalies, Geothermal
USE GEOTHERMAL ANOMALIES

Antennas, Multibeam
USE MULTIBEAM ANTENNAS

Antennas, Plasma
USE PLASMA ANTENNAS

Antistatic Devices
USE STATIC DISCHARGERS

APES

APL (PROGRAMMING LANGUAGE)

Applications, Microgravity
USE MICROGRAVITY APPLICATIONS

Applications, Multisensor
USE MULTISENSOR APPLICATIONS

ARABAT

Araki-Alock Comet, IRA
USE IRAS-ARAI-ALCOCK COMET

ARC CLOUDS

ARIES SOUNDING ROCKET

Arrays, Multi-Anode Microchannel
USE MULTI-ANODE MICROCHANNEL ARRAYS

Arrest, Crack
USE CRACK ARREST

Assignment Multiple Access, Demand
USE DEMAND ASSIGNMENT MULTIPLE ACCESS

Asteroid, Amphitrite
USE AMPHITRITE ASTEROID

Astroters
USE LONGERONS

ASTRONOMICAL SATELLITES

(Astronomy), Local Group
USE LOCAL GROUP (ASTRONOMY)

Astrophysics, Computational
USE COMPUTATIONAL ASTROPHYSICS

ASYMPTOTIC PROPERTIES

ATLANTIS (ORBITER)

Atmosphere, Lunar
USE LUNAR ATMOSPHERE

Atmospheres, Neutral
USE NEUTRAL ATMOSPHERES

ATMOSPHERIC CORRECTION

Atmospheric Loading
USE POLLUTION TRANSPORT

ATOMIC INTERACTIONS

Attitude Takeoff-Landing Aircraft, Vertical
USE VATOL AIRCRAFT
Attractors, Strange
USE Strange Attractors

Audio Data
USE Strang Attractors

Audio Signals

Automated Transit Vehicles

Autumn

AV-8B Aircraft
USE Harrier Aircraft

Awards

B
USE Gravity Probe

B Satellites, MagSat
USE MagSat B Satellite

B, Sir.
USE Shuttle Imaging Radar

B, Space Shuttle Mission 31-
USE Space Shuttle Mission 31-B

B, Space Shuttle Mission 41-
USE Space Shuttle Mission 41-B

B, Space Shuttle Mission 51-
USE Space Shuttle Mission 51-B

Backscatter UV Spectrometer, Solar
USE Solar Backscatter UV Spectrometer

Backward Differentiating

Backward Facing Steps

Bahamas

Ballooning Modes

Band Mapping
USE Energy Gaps (Solid State)

Bandstop Filters

Baryon Resonance

Bases, Numerical Data
USE Numerical Data Bases

Batteries, Nickel Iron
USE Nickel Iron Batteries

Bearings, Magnetic
USE Magnetic Bearings

Benediction, Rayleigh
USE Rayleigh-Benediction Convection

Benin

Beta Interactions
USE Weak Interactions (Field Theory)

Bioclimatology
USE Biometeorology

Biofeedback
USE Desynchronization (Biology)

Biometeorology

Bioprocessing

Biofeedback
USE Desynchronization (Biology)

Awards

B, Gravity Probe
USE Gravity Probe B

B Satellites, MagSat
USE MagSat B Satellite

B, Sir.
USE Shuttle Imaging Radar

B, Space Shuttle Mission 31-
USE Space Shuttle Mission 31-B

B, Space Shuttle Mission 41-
USE Space Shuttle Mission 41-B

B, Space Shuttle Mission 51-
USE Space Shuttle Mission 51-B

Backscatter UV Spectrometer, Solar
USE Solar Backscatter UV Spectrometer

Backward Differentiating

Backward Facing Steps

Bahamas

Balloonning Modes

Band Mapping
USE Energy Gaps (Solid State)

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Bases, Numerical Data
USE Numerical Data Bases

Batteries, Nickel Iron
USE Nickel Iron Batteries

Bearings, Magnetic
USE Magnetic Bearings

Benediction, Rayleigh
USE Rayleigh-Benediction Convection

Benin

Beta Interactions
USE Weak Interactions (Field Theory)

Bioclimatology
USE Biometeorology

Biofeedback
USE Desynchronization (Biology)

Biometeorology

Bioprocessing

B, Space Shuttle Mission 31-
USE Space Shuttle Mission 31-B

B, Space Shuttle Mission 31-
USE Space Shuttle Mission 31-C

B, Space Shuttle Mission 41-
USE Space Shuttle Mission 41-B

B, Space Shuttle Mission 41-
USE Space Shuttle Mission 41-C

B, Space Shuttle Mission 51-
USE Space Shuttle Mission 51-B

B, Space Shuttle Mission 51-
USE Space Shuttle Mission 51-C

B, Space Shuttle Mission 31-
USE Space Shuttle Mission 31-C

B, Space Shuttle Mission 41-
USE Space Shuttle Mission 41-B

B, Space Shuttle Mission 41-
USE Space Shuttle Mission 41-C

B, Space Shuttle Mission 51-
USE Space Shuttle Mission 51-B

B, Space Shuttle Mission 51-
USE Space Shuttle Mission 51-C

B, Space Shuttle Mission 31-
USE Space Shuttle Mission 31-C

B, Space Shuttle Mission 41-
USE Space Shuttle Mission 41-B

B, Space Shuttle Mission 41-
USE Space Shuttle Mission 41-C

B, Space Shuttle Mission 51-
USE Space Shuttle Mission 51-B

B, Space Shuttle Mission 51-
USE Space Shuttle Mission 51-C

B, Space Shuttle Mission 31-
USE Space Shuttle Mission 31-C

B, Space Shuttle Mission 41-
USE Space Shuttle Mission 41-B

B, Space Shuttle Mission 41-
USE Space Shuttle Mission 41-C

B, Space Shuttle Mission 51-
USE Space Shuttle Mission 51-B

B, Space Shuttle Mission 51-
USE Space Shuttle Mission 51-C

B, Space Shuttle Mission 31-
USE Space Shuttle Mission 31-C

B, Space Shuttle Mission 41-
USE Space Shuttle Mission 41-B

B, Space Shuttle Mission 41-
USE Space Shuttle Mission 41-C

B, Space Shuttle Mission 51-
USE Space Shuttle Mission 51-B

B, Space Shuttle Mission 51-
USE Space Shuttle Mission 51-C
Transmission, Mobile
USE MOBILE COMMUNICATION SYSTEMS

Components Analysis, Principal
USE PRINCIPAL COMPONENTS ANALYSIS

Composites, Ceramic Matrix
USE CERAMIC MATRIX COMPOSITES

Composition, Stellar
USE STELLAR COMPOSITION

COMPULSATORS

COMPUTATIONAL ASTROPHYSICS

COMPUTATIONAL CHEMISTRY

COMPUTATIONAL GRID

COMPUTER AIDED DESIGN

COMPUTER AIDED MANUFACTURING

COMPUTER AIDED MAPPING

Computer, CDC Cyber 205
USE CDC CYBER 205 COMPUTER

Computer Systems, Embedded
USE EMBEDDED COMPUTER SYSTEMS

Computerized Design
USE COMPUTER AIDED DESIGN

Computers, Cray
USE CRAY COMPUTERS

Computers, Micro
USE MICROCOMPUTERS

Computers, Nova
USE NOVA COMPUTERS

Computers, Optical
USE OPTICAL COMPUTERS

Computers, Personal
USE PERSONAL COMPUTERS

(Computers), Protocol
USE PROTOCOL (COMPUTERS)

Computers, Super
USE SUPERCOMPUTERS

Computers, VAX
USE VAX COMPUTERS

CONCURRENT PROCESSING

CONDENSATION NUCLEI

CONDENSERS (LIQUEFIERS)

CONJUGATE GRADIENT METHOD

Constellation, Lyra
USE LYRA CONSTELLATION

Continental Margins
USE CONTINENTAL SHELVES

CONTINUUM MODELING

CONTROL SYSTEMS DESIGN

Controlled Oscillators, Voltage
USE VOLTAGE CONTROLLED OSCILLATORS

Controllers, Power Factor
USE POWER FACTOR CONTROLLERS

Convection, Marangoni
USE MARANGONI CONVECTION

Convection, Rayleigh-Benard
USE RAYLEIGH-BENARD CONVECTION

Coolant Loss
USE LOSS OF COOLANT

Cores, Stellar
USE STELLAR CORES

Corrosion

Correction, Atmospheric
USE ATMOSPHERIC CORRECTION

Cosmic Rays, Galactic
USE GALACTIC COSMIC RAYS

COSMOS 954 SATELLITE

COPAS

Couplers, Directional
USE DIRECTIONAL COUPLERS

Coupling, Mode
USE COUPLED MODES

CRACK ARREST

CRACK TIPS

CRANK-NICOLSON METHOD

Cranked Wings
USE SWEEP WINGS

CRAY COMPUTERS

Crime

Currents, Short Circuit
USE SHORT CIRCUIT CURRENTS

Cusps, Polar
USE POLAR CUSPS

Cyber 205 Computer, CDC
USE CDC CYBER 205 COMPUTER

Cycle Engines, Topping
USE TOPPING CYCLE ENGINES

Cyclic Adenosine Monophosphate
USE CYCLIC AMP

CYCLIC AMP

Cylindrical Coordinates
USE CARTESIAN COORDINATES

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

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

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

Dahomey
USE BENIN

DAMA
USE DEMAND ASSIGNMENT MULTIPLE ACCESS

DAST PROGRAM

Data, Audio
USE AUDIO DATA

Data Bases, Numerical
USE NUMERICAL DATA BASES

DATA FLOW ANALYSIS

DATA INTEGRATION

(Data Processing), Frames
USE FRAMES (DATA PROCESSING)

DATA SIMULATION

DATA STRUCTURES

Defense Meteorological Satellite Program
USE DMSP SATELLITES

DEMAND ASSIGNMENT MULTIPLE ACCESS

Depth, Mixing
USE MIXING HEIGHT

Derived Vehicles, Shuttle
USE SHUTTLE DERIVED VEHICLES

DEdIFICATION

(Design), CAD
USE COMPUTER AIDED DESIGN

Design, Computer Aided
USE COMPUTER AIDED DESIGN

Design, Control Systems
USE CONTROL SYSTEMS DESIGN

Design, Experiment
USE EXPERIMENT DESIGN

DESYNCHRONIZATION (BIOLOGY)

Detection, Change
USE CHANGE DETECTION

Devices, Antistatic
USE STATIC DISCHARGERS

Devices, Charge Injection
USE CHARGE INJECTION DEVICES

Diagram, HR
USE HERTZSPRUNG-RUSSELL DIAGRAM

DIDYMIUM

Differencing, Backward
USE BACKWARD DIFFERENCING

DIFFERENTIAL ANALYZERS

Differential Thermal Analysis
USE THERMAL ANALYSIS

Diffusion, Gas
USE GASEOUS DIFFUSION

Dikes (Geology)
USE ROCK INTRUSIONS

DINING PHILOSOPHERS PROBLEM

DIRECTION FINDING

DIRECTIONAL COUPLERS

DIRECTORIES

DISCOVERY (ORBITER)

Disks, Accretion
USE ACCRETION DISKS

Disks, Optical
USE OPTICAL DISKS

Disposal (In Space), Hazardous Material
USE HAZARDOUS MATERIAL DISPOSAL (IN SPACE)

DISTRIBUTED PROCESSING

Distribution, Circulation
USE CIRCULATION DISTRIBUTION
DMSP SATELLITES

Doppler Positioning, Satellite
USE SATELLITE DOPPLER POSITIONING

Double Stars
USE BINARY STARS

DRAG COEFFICIENTS

DREDGING

Dwarf Stars, Red
USE RED DWARF STARS

DYNAMICAL SYSTEMS

Dynamics, Solar
USE HELIOSEISMOLOGY

E, NOAA
USE NOAA 8 SATELLITE

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

Earth Neighborhood, Origin Of Plasmas In
USE OPEN PROJECT

EARTNET

EASTERN HEMISPHERE

Edward Island, Prince
USE PRINCE EDWARD ISLAND

Efficiency Program, Aircraft Energy
USE ACEE PROGRAM

Efficiency Transport Program, Energy
USE ACEE PROGRAM

Einstein Observatory
USE HEAO 2

EL NINO

Electric Aircraft
USE FLY BY WIRE CONTROL

ELECTRIC FURNACES

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

ELECTROCHROMISM

Electroconductivity
USE ELECTRICAL RESISTIVITY

ELECTRODE MATERIALS

ELECTRONIC MAIL

Electronics, Quantum
USE QUANTUM ELECTRONICS

Electrons, Nonrelativistic
USE ELECTRONS

EMBEDDED COMPUTER SYSTEMS

Empennage
USE TAIL ASSEMBLIES

ENKE COMET

Energy Efficiency Program, Aircraft
USE ACEE PROGRAM

Energy Efficiency Transport Program
USE ACEE PROGRAM

Energy Storage, Magnetic
USE MAGNETIC ENERGY STORAGE

Engineering, Knowledge
USE EXPERT SYSTEMS

Engineering, Software
USE SOFTWARE ENGINEERING

Engines, Rotary
USE ROTARY ENGINES

Engines, Topping Cycle
USE TOPPING CYCLE ENGINES

Entropy
USE VORTICITY

ENTERPRISE (ORBITER)

Equipment, Spacecraft
USE SPACECRAFT EQUIPMENT

Error Rate, Bit
USE BIT ERROR RATE

(ESA), Eureca
USE EURECA (ESA)

EURECA (ESA)

European Large Telecomm Satellite
USE EURECA (ESA)

Exercise
USE PHYSICAL EXERCISE

Exper, Feature Identification And Location
USE FEATURE IDENTIFICATION AND LOCATION EXPER

EXPERIMENT DESIGN

EXPERT SYSTEMS

Explorer, Far UV Spectroscopic
USE FAR UV SPECTROSCOPIC EXPLORER

Explorer, X Ray Timing
USE X RAY TIMING EXPLORER

Explorer 42 Satellite
USE UHURU SATELLITE

EXPLORER 44 SATELLITE

EXPLORER 46 SATELLITE

Extraction, Feature
USE PATTERN RECOGNITION

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

Facility, Space Infrared Telescope
USE SPACE INFRARED TELESCOPE FACILITY

Facing Steps, Backward
USE BACKWARD FACING STEPS

Facing Steps, Forward
USE FORWARD FACING STEPS

Factor Controllers, Power
USE POWER FACTOR CONTROLLERS

FAR UV SPECTROSCOPIC EXPLORER

FASTING

NASA THESAURUS SUPPLEMENT (PART 2)

Fatigue, Sonic
USE ACOUSTIC FATIGUE

Fauna
USE ANIMALS

Feature Extraction
USE PATTERN RECOGNITION

FEATURE IDENTIFICATION AND LOCATION EXPER

Feedback, Bio
USE BIOFEEDBACK

Field Theory, Unified
USE UNIFIED FIELD THEORY

Filters, Bandstop
USE BANDSTOP FILTERS

Finding, Direction
USE DIRECTION FINDING

Fire Retardants
USE FLAME RETARDANTS

FIRMWARE

FLATelon-TROPSCH PROCESS

Fixation, Nitrogen
USE NITROGENATION

Fixing And Ranging, Sound
USE SOUND FIXING AND RANGING

FLAPERONS

FLAVOR (PARTICLE PHYSICS)

FLIGHT MANAGEMENT SYSTEMS

FLOAT ZONES

Flow Analysis, Data
USE DATA FLOW ANALYSIS

Flow, Grazing
USE GRAZING FLOW

FLUID MANAGEMENT

FLUID-SOLID INTERACTIONS

Fluoroplastics
USE FLUOROPOLYMERS

FORMYL IONS

FRACTALS

FRAMES (DATA PROCESSING)

Frequency, Brunt-Vaisala
USE BRUNT-VAIASLA FREQUENCY

Functions, Green’s
USE GREEN’S FUNCTIONS

Furnaces, Electric
USE ELECTRIC FURNACES

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

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

GALACTIC COSMIC RAYS

Galaxies, Dwarf
USE DWARF GALAXIES

Gas Diffusion
USE GASEOUS DIFFUSION
NASA THESAURUS SUPPLEMENT (PART 2)

**GAS PATH ANALYSIS**

Gel Permeation Chromatography

USE LIQUID CHROMATOGRAPHY

**GEODETIC ACCURACY**

**GEOGRAPHIC INFORMATION SYSTEMS**

(Geology), Dikes

USE ROCK INTRUSIONS

**GEOMETRIC ACCURACY**

**Geosphere-Biosphere Program, International**

USE INTERNATIONAL GEOSPHERE-BIOSPHERE PROGRAM

**GEOTHERMAL ANOMALIES**

**GIOTTO MISSION**

**GOERTLER INSTABILITY**

Goertler Instability, Taylor-

USE GOERTLER INSTABILITY

Gradient Method, Conjugate

USE CONJUGATE GRADIENT METHOD

**GRAIN SIZE**

Gravimetry, Thermal

USE THERMOGRAVIMETRY

**GRAVITATIONAL PHYSIOLOGY**

**GRAVITINOS**

**GRAVITY PROBE B**

**GRAY SCALE**

**GRAZING FLOW**

**GREEN'S FUNCTIONS**

Grids, Computational

USE COMPUTATIONAL GRIDS

Grids (Mathematics)

USE COMPUTATIONAL GRIDS

**GROUND RESONANCE**

Group (Astronomy), Local

USE LOCAL GROUP (ASTRONOMY)

**GYRES**

**H**

H, Space Shuttle Mission 51-

USE SPACE SHUTTLE MISSION 51-H

Habitation, Space

USE SPACE HABITATS

**HAZARDOUS MATERIAL DISPOSAL (IN SPACE)**

**HEAT TAPES**

Heat, Waste

USE WASTE HEAT

Height, Mixing

USE MIXING HEIGHT

**HELIOSEISMOLOGY**

Hemisphere, Eastern

USE EASTERN HEMISPHERE

Hemisphere, Western

USE WESTERN HEMISPHERE

**HIGH REYNOLDS NUMBER**

**HIGH SPEED PHOTOGRAPHY**

HIGHLY MANEUVERABLE AIRCRAFT

**HIMAT**

USE HIGHLY MANEUVERABLE AIRCRAFT

**HIPPARCOS SATELLITE**

**HOLE BURNING**

HR Diagram

USE HERTZSPRUNG-RUSSELL DIAGRAM

**HUBBLE SPACE TELESCOPE**

**HUMAN RELATIONS**

**I, JUPITER SATELLITES**

**INTERACTIONAL AERODYNAMICS**

Interactions, Atomic

USE ATOMIC INTERACTIONS

Interactions, Beta

USE WEAK INTERACTIONS (FIELD THEORY)

Interactions, Fluid-Solid

USE FLUID-SOLID INTERACTIONS

Interactions, Rotor Body

USE ROTOR BODY INTERACTIONS

Interactions, Solar Planetary

USE SOLAR PLANETARY INTERACTIONS

Interactions, Surface Noise

USE SURFACE NOISE INTERACTIONS

**INTERDIGITAL TRANSDUCERS**

**INTERNATIONAL GEOSPHERE-BIOSPHERE PROGRAM**

International Solar Polar Mission

USE ULYSSES MISSION

Interpersonal Relations

USE HUMAN RELATIONS

**ION SPECTROMETERS**

USE MASS SPECTROMETERS

**IONOPAUSE**

Ions, Formyl

USE FORMYL IONS

**IRAS-ARAKI-ALCOCK COMET**

**IRON BATTERIES, NICKEL**

USE NICKEL IRON BATTERIES

**IRS (Indian Spacecraft)**

USE INDIAN SPACECRAFT

**ISLAND, PRINCE EDWARD**

USE PRINCE EDWARD ISLAND

**J**

J, Space Shuttle Mission 51-

USE SPACE SHUTTLE MISSION 51-J

**JAPANESE SPACECRAFT**

Japanese Spacecraft, MOS

USE JAPANESE SPACECRAFT

Jeta, Particle Laden

USE PARTICLE LADEN JETS

Jones Potential, Lennard-

USE LENNARD-JONES POTENTIAL

**JUPITER SATELLITES**

**INTEGRAL ROCKET RAMJETS**

INTEGRALS

**INTEGRATED LIBRARY SYSTEMS**

Integration, Data

USE DATA INTEGRATION

Integration, Very Large Scale

USE VERY LARGE SCALE INTEGRATION

Intensity X Ray Imaging Scope, Low

USE LIXISCOPES

**INTERDIGITAL TRANSDUCERS**

**INTERNATIONAL GEOSPHERE-BIOSPHERE PROGRAM**

International Solar Polar Mission

USE ULYSSES MISSION

Interpersonal Relations

USE HUMAN RELATIONS

Ion Spectrometers

USE MASS SPECTROMETERS

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**JUPITER SATELLITES**
K-Mesons

K-Mesons
USE KAONS

KAMPUCHEA
Knowledge Engineering
USE EXPERT SYSTEMS

L

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

L-SAT
Laden Jets, Particle
USE PARTICLE LADEN JETS

LANDSAT 4

LANDSAT 5
Language, Ada (Programming
USE ADA (PROGRAMMING LANGUAGE)
Language, APL (Programming
USE APL (PROGRAMMING LANGUAGE)
Languages, Command
USE COMMAND LANGUAGES
Languages, Query
USE QUERY LANGUAGES
Large Scale Integration, Very Large
USE LARGE SCALE INTEGRATION
Large Space Telescope
USE HUBBLE SPACE TELESCOPE
Large Telecom Satellite, European
USE L-SAT
Lasers, Airborne
USE AIRBORNE LASERS
Lasers, Solar
USE SOLAR-PUMPED LASERS
Lasers, Solar-Pumped
USE SOLAR-PUMPED LASERS
Lasers, Spaceborne
USE SPACEBORNE LASERS
Lasers, Xenon Chloride
USE XENON CHLORIDE LASERS
Lennard-Jones Potential
USE LENNARD-JONES POTENTIAL
LES (Satellites)
USE LINCOLN EXPERIMENTAL SATELLITES
LEVITATION MELTING
Library Systems, Integrated
USE INTEGRATED LIBRARY SYSTEMS
LIGHT VALVES
(Liquifiers), Condensers
USE CONDENSERS (LIQUEIFIERS)
Liquid Plus Solid Zones
USE MUSHY ZONES
Loading, Atmospheric
USE POLLUTION TRANSPORT
LOCAL GROUP (ASTRONOMY)
Location Exper, Feature Identification And
USE FEATURE IDENTIFICATION AND LOCATION EXPER.
LOGIC PROGRAMMING
Loss, Coolant
USE LOSS OF COOLANT
LOSS OF COOLANT
Loss, Power
USE POWER LOSS
Low Intensity X Ray Imaging Scope
USE LIKOSCOPE
LOW REYNOLDS NUMBER
Luminescence, Tribo
USE TRIBOLUMINESCENCE
LUNAR ATMOSPHERE
LYRA CONSTELLATION

M

Madagascar
USE MALAGASY REPUBLIC
MAGELLAN MISSION
MAGNETIC BEARINGS
MAGNETIC ENERGY STORAGE
Magnetic Susceptibility
USE MAGNETIC PERMEABILITY
MAGSAT B SATELLITE
Mail, Electronic
USE ELECTRONIC MAIL
Main Sequence Stars, Pre-
USE PRE-MAIN SEQUENCE STARS
Maintenance, Spacecraft
USE SPACECRAFT MAINTENANCE
Management, Business
USE INDUSTRIAL MANAGEMENT
Management, Fluid
USE FLUID MANAGEMENT
Management Systems, Flight
USE FLIGHT MANAGEMENT SYSTEMS
Maneuverable Aircraft, Highly
USE HIGHLY MANEUVERABLE AIRCRAFT
Maneuvering, Aero
USE AEROMANEUVERING
Maneuvering System, Teleoperator
USE TELEOPERATORS
Maneuvering Units, Manned
USE MANNED MANEUVERING UNITS
Maneuvering Vehicles, Orbital
USE ORBITAL MANEUVERING VEHICLES
MANNED MANEUVERING UNITS
(Manufacturing), CAM
USE COMPUTER AIDED MANUFACTURING
Manufacturing, Computer Aided
USE COMPUTER AIDED MANUFACTURING
Mapping, Computer Aided
USE COMPUTER AIDED MAPPING
MAPSAT
MARS 7 SPACECRAFT
Material Disposal (In Space), Hazardous
USE HAZARDOUS MATERIAL DISPOSAL (IN SPACE)
Materials, Electrode
USE ELECTRODE MATERIALS
Materials, Strategic
USE STRATEGIC MATERIALS
[Mathematics], Grids
USE COMPUTATIONAL GRIDS
[Mathematics], Mesh
USE COMPUTATIONAL GRID
Matrix Composites, Ceramic
USE CERAMIC MATRIX COMPOSITES
Measurement, Strain
USE STRAIN MEASUREMENT
Mechanics, Mega
USE MEGAMACHANICS
Mechanics, Micro
USE MICROMECHANICS
Medicine, Nuclear
USE NUCLEAR MEDICINE
MEGAMECHANICS
Melting, Levitation
USE LEVITATION MELTING
MEMORY (COMPUTERS)
Memory Systems, Virtual
USE VIRTUAL MEMORY SYSTEMS
Metfets
USE FIELD EFFECT TRANSISTORS
Mesh (Mathematics)
USE COMPUTATIONAL GRIDS
MESON RESONANCE
METAL NITRIDES
METALLICITY
Meteorite, Allende
USE ALLENDE METEORITE
Meteorite, Murchison
USE MURCHISON METEORITE
Meteoroid Technology Satellite
USE EXPLORER 46 SATELLITE
Meteorological Satellite Program, Defense
USE DMSP SATELLITES
Method, Conjugate Gradient
USE CONJUGATE GRADIENT METHOD
Method, Crank-Nicholson
USE CRANK-NICHOLSON METHOD
Methods, Spectral
USE SPECTRAL METHODS
Microchannel Arrays, Multi-Anode
USE MULTI-ANODE MICROCHANNEL ARRAYS
Microgravity
USE REDUCED GRAVITY
MICROGRAVITY APPLICATIONS

NASA THESAURUS SUPPLEMENT (PART 2)
Origin Of Plasmas In Earth Neighborhood

Potentials, Lennard-Jones
USE LENNARD-JONES POTENTIAL

Potentials, Pseudo
USE PSEUDOPOTENTIALS

Power Factor Controllers

Power Loss

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

Power Supplies, Aircraft
USE AIRCRAFT POWER SUPPLIES

PR
USE PUERTO RICO

Pre-Main Sequence Stars

Precession, Vortex
USE VORTEX PRECESSION

Preprocessing

Prince Edward Island

Principal Components Analysis

Probe B, Gravity
USE GRAVITY PROBE B

Probe, Pioneer 12 Space
USE PIONEER VENUS SPACECRAFT

Problem, Dining Philosophers
USE DINING PHILOSOPHERS PROBLEM

Proceedings
USE CONFERENCES

Process, Fischler-Tropsch
USE FISCHLER-TROPSCH PROCESS

Processing, Concurrent
USE CONCURRENT PROCESSING

Processing, Distributed
USE DISTRIBUTED PROCESSING

Processing, Frames (Data)
USE FRAMES (DATA PROCESSING)

Program, ACEE
USE ACEE PROGRAM

Program, Aircraft Energy Efficiency
USE ACEE PROGRAM

Program, Brazilian Space
USE BRAZILIAN SPACE PROGRAM

Program, DAST
USE DAST PROGRAM

Program, Defense Meteorological Satellite
USE DMSP SATELLITES

Program, Energy Efficiency Transport
USE ACEE PROGRAM

Program, International Geosphere-Biosphere
USE INTERNATIONAL GEOSPHERE-BIOSPHERE PROGRAM

Program, Swedish Space
USE SWEDISH SPACE PROGRAM

Program, Swiss Space
USE SWISS SPACE PROGRAM

Programming, Logic
USE LOGIC PROGRAMMING

Query Languages

Radar, Imaging
USE IMAGING RADAR

Radar, Shuttle Imaging
USE SHUTTLE IMAGING RADAR

RadarSat

Radiation Medicine
USE NUCLEAR MEDICINE

Radiocardiography

Ramjets, Integral Rocket
USE INTEGRAL ROCKET RAMJETS

Ranging, Sound Fixing and Ranging
USE SOUND FIXING AND RANGING

Rate, Bit Error
USE BIT ERROR RATE

Rate, Pulse Repetition
USE PULSE REPETITION RATE

Ratio, Temperature
USE TEMPERATURE RATIO

Ratiometry, Band
USE BAND RATIOING

Ray Imaging Scope, Low Intensity X
USE LUXISCOPE

Ray Timing Explorer, X
USE X RAY TIMING EXPLORER

Rayleigh-Benard Convection

Rays, Galactic Cosmic
USE GALACTIC COSMIC RAYS

Reagents

Rearward Facing Steps
USE BACKWARD FACING STEPS

Receivers, Solar
USE SOLAR RECEIVERS

Rectifiers, Reverse Switching
USE REVERSE SWITCHING RECTIFIERS

Origin Of Plasmas In Earth Neighborhood

Plasmas In Earth Neighborhood, Origin Of
USE OPEN PROJECT

(Plasmas), Tearing Modes
USE TEARING MODES (PLASMAS)

Plus Solid Zones, Liquid
USE MUSHY ZONES

Polar Cusps

Polaritons

Pollution, Indoor Air
USE INDOOR AIR POLLUTION

Polybrominated Biphenyls

Poseidon Satellite

Positioning, Satellite Doppler
USE SATELLITE DOPPLER POSITIONING
NASA THESAURUS SUPPLEMENT (PART 2)

RED DWARF STARS

REFLECTION NEBULAE

REFORESTATION

Region, Caribbean
USE CARIBBEAN REGION

Relations, Human
USE HUMAN RELATIONS

Relations, Interpersonal
USE HUMAN RELATIONS

Repetition Rate, Pulse
USE PULSE REPERIOD RATE

Research Wings, Aeroelastic
USE AEROELASTIC RESEARCH WINGS

RESIDUAL STRENGTH

Resonance, Baryon
USE BARYON RESONANCE

Resonance, Ground
USE GROUND RESONANCE

Resonance, Meson
USE MESON RESONANCE

Retardants, Fire
USE FLAME RETARDANTS

Retrievable Carrier, European
USE EURECA (ESA)

REVERSE SWITCHING RECTIFIERS

Reynolds Number, High
USE HIGH REYNOLDS NUMBER

Reynolds Number, Low
USE LOW REYNOLDS NUMBER

Rings, Planetary
USE PLANETARY RINGS

ROBOTICS

Rocket, Aries Sounding
USE ARIES SOUNCING ROCKET

Rocket Ramjets, Integral
USE INTEGRAL ROCKET RAMJETS

Roentgen Satellite
USE ROSAT MISSION

ROMANIA

ROSAT MISSION

ROTARY ENGINES

Rotation, Carrington
USE SOLAR ROTATION

ROTOR BODY INTERACTIONS

Rumania
USE ROMANIA

S

SAND CASTING

Sat, L-
USE L-SAT

Satellite, Cosmos 954
USE COSMOS 954 SATELLITE

SATELLITE DOPPLER POSITIONING

Satellite, European Large Telecomm
USE L-SAT

Satellite, Explorer 44
USE EXPLORER 44 SATELLITE

Satellite, Explorer 46
USE EXPLORER 46 SATELLITE

Satellite, Hipparcos
USE HIPPARCOS SATELLITE

SATELLITE IMAGERY

Satellite, MagSat B
USE MAGSAT B SATELLITE

Satellite, Meteoroid Technology
USE EXPLORER 46 SATELLITE

Satellite, NOAA 8
USE NOAA 8 SATELLITE

Satellite, Poseidon
USE POSEIDON SATELLITE

Satellite Program, Defense Meteorological
USE DMSP SATELLITES

Satellite, P78-2
USE SCATHA SATELLITE

Satellite, Roentgen
USE ROSETATION

Satellite, Soiuz 10
USE EXPLORER 44 SATELLITE

Satellites, Anik
USE ANIK SATELLITES

Satellites, Astronomical
USE ASTRONOMICAL SATELLITES

Satellites, DMSP
USE DMSP SATELLITES

Satellites, INGAT
USE INDIAN SPACECRAFT

Satellites, Jupiter
USE JUPITER SATELLITES

(Satellites), LES
USE LINCOLN EXPERIMENTAL SATELLITES

Satellites, Marecs Maritime
USE MARECs MARITIME SATELLITES

Satellites, Nova
USE NOVA SATELLITES

Satellites, Spartan
USE SPARAN SATELLITES

Satellites, Uranus
USE URANUS SATELLITES

Scale, Gray
USE GRAY SCALE

Scale Integration, Very Large
USE VERY LARGE SCALE INTEGRATION

SCANDINAVIA

Scarpae
USE ESCARPMENTS

Scope, Low Intensity X Ray Imaging
USE LIXISCOPES

Scotia, Nova
USE NOVA SCOTIA

SDV
USE SHUTTLE DERIVED VEHICLES

SEA SURFACE TEMPERATURE

SEASAT 1

(Season), Spring
USE SPRING (SEASON)

Seismology, Eeho
USE HELIOSEISMOLOGY

Seismology, Solar
USE HELIOSEISMOLOGY

Selective Coatings, Solar
USE SELECTIVE SURFACES

SELECTIVE SURFACES

SELF SHADOWING

SED (Indian Spacecraft)
USE INDIAN SPACECRAFT

Sequence Stars, Pre-Main
USE PRE-MAIN SEQUENCE STARS

SFAR
USE SOUND FIXING AND RANGING

Shadowing, Self
USE SELF SHADOWING

SHELL ANODES

SHIP TO SHORE COMMUNICATION

Shore Communication, Ship To
USE SHIP TO SHORE COMMUNICATION

SHORT CIRCUIT CURRENTS

SHUTTLE DERIVED VEHICLES

SHUTTLE IMAGING RADAR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Shuttle Mission 51-H, Space
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Shuttle Mission 51-I, Space
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<th>Shuttle Orbiter 099, Space</th>
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<td>USE CHALLENGER (ORBITER)</td>
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<td>USE DATA SIMULATION</td>
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<td>USE MOTION SIMULATION</td>
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<td>USE SHUTTLE IMAGING RADAR</td>
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<td>USE HELIOSEISMOLOGY</td>
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<th>SOLAR LASERS</th>
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<th>SOLAR PLANETARY INTERACTIONS</th>
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<td>USE ARIES SOUNDRocket</td>
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| SPACE, HAZARDOUS MATERIAL DISPOSAL (IN |
| USE HAZARDOUS MATERIAL DISPOSAL (IN SPACE) |

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<tr>
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<tbody>
<tr>
<td>USE CHALLENGER (ORBITER)</td>
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<tr>
<th>SPACE SHUTTLE ORBITER 101</th>
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<td>USE ENTERPRISE (ORBITER)</td>
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<th>SPACE SHUTTLE ORBITER 102</th>
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<td>USE COLUMBIA (ORBITER)</td>
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<th>SPACE SHUTTLE ORBITER 103</th>
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<td>USE DISCOVERY (ORBITER)</td>
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<th>SPACE SHUTTLE ORBITER 104</th>
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<td>USE ATLANTIS (ORBITER)</td>
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<th>SPECTRAL METHODS</th>
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<tr>
<th>SPECTROMETER, SOLAR BACKSCATTER UV</th>
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<tr>
<td>USE SOLAR BACKSCATTER UV SPECTROMETER</td>
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<thead>
<tr>
<th>SPECTROMETERS, ION</th>
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<tr>
<td>USE MASS SPECTROMETERS</td>
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<th>SPECKLE PHOTOVOLTAICS</th>
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<th>SPEECHES</th>
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<td>USE LECTURES</td>
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<th>SPEED PHOTOGRAPHY, HIGH</th>
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<th>STAGE, MULTIPLEX</th>
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<tbody>
<tr>
<td>USE MULTIVIBRATORS</td>
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<tr>
<th>STARS, DOUBLE</th>
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<tr>
<td>USE BINARY STARS</td>
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<thead>
<tr>
<th>STARS, PRE-MAIN SEQUENCE</th>
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<tr>
<td>USE PRE-MAIN SEQUENCE STARS</td>
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<th>STARS, RED DwarF</th>
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<tr>
<td>USE RED DWARF STARS</td>
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<tr>
<th>STARS, SYMBIOTIC</th>
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<td>USE SYMBIOTIC STARS</td>
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<th>START, AIR</th>
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<td>USE AIR START</td>
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<th>STATES, UNITED</th>
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<tr>
<td>USE UNITED STATES</td>
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NASA THESAURUS SUPPLEMENT (PART 2)

STATIC CHARACTERISTICS

STATIC MODELS

STELLAR ACTIVITY

STELLAR COLOR

STELLAR COMPOSITION

STELLAR CORES

Steps, Backward Facing

USE BACKWARD FACING STEPS

Steps, Rearward Facing

USE BACKWARD FACING STEPS

STEREOPHONICS

Storage, Magnetic Energy

USE MAGNETIC ENERGY STORAGE

STRAIN MEASUREMENT

STRANGE ATTRACTORS

STRATEGIC MATERIALS

Strength, Residual

USE RESIDUAL STRENGTH

Strength, Oscillator

USE OSCILLATOR STRENGTHS

Struct Test, Drones For Aerodynamic And

USE DAST PROGRAM

Structures, Data

USE DATA STRUCTURES

Structures, Telescoping

USE FOLDING STRUCTURES

STS-13

USE SPACE SHUTTLE MISSION 41-C

STS-14

USE SPACE SHUTTLE MISSION 41-D

STS-17

USE SPACE SHUTTLE MISSION 41-G

STS-19

USE SPACE SHUTTLE MISSION 51-A

STS-20

USE SPACE SHUTTLE MISSION 51-C

STS-21

USE SPACE SHUTTLE MISSION 51-B

STS-22

USE SPACE SHUTTLE MISSION 51-E

STS-23

USE SPACE SHUTTLE MISSION 51-D

STS-24

USE SPACE SHUTTLE MISSION 51-F

STS-25

USE SPACE SHUTTLE MISSION 51-G

STS-26

USE SPACE SHUTTLE MISSION 51-L

STS-27

USE SPACE SHUTTLE MISSION 51-I

STS-28

USE SPACE SHUTTLE MISSION 51-J

STS-31

USE SPACE SHUTTLE MISSION 51-H

SULFIDATION

SUPERCOMPUTERS

SUPERCRITICAL AIRFOILS

SUPERLATTICES

Supplies, Aircraft Power

USE AIRCRAFT POWER SUPPLIES

SURFACE NOISE INTERACTIONS

Surface Temperature, Sea

USE SEA SURFACE TEMPERATURE

Surfaces, Minimal

USE MINIMAL SURFACES

Surfaces, Selective

USE SELECTIVE SURFACES

Susceptibility, Magnetic

USE MAGNETIC PERMEABILITY

SWATH WIDTH

SWEDISH SPACE PROGRAM

SWISS SPACE PROGRAM

Switching Rectifiers, Reverse

USE REVERSE SWITCHING RECTIFIERS

SYMBIOTIC STARS

SYNCHROPHASING

System, Teleoperator Maneuvering

USE TELEOPERATORS

System, Transit Navigation

USE TRANSIT NAVIGATION SYSTEM

Systems Design, Control

USE CONTROL SYSTEMS DESIGN

Systems, Dynamical

USE DYNAMICAL SYSTEMS

Systems, Embedded Computer

USE EMBEDDED COMPUTER SYSTEMS

Systems, Expert

USE EXPERT SYSTEMS

Systems, Flight Management

USE FLIGHT MANAGEMENT SYSTEMS

Systems, Geographic Information

USE GEOGRAPHIC INFORMATION SYSTEMS

Systems, Integrated Library

USE INTEGRATED LIBRARY SYSTEMS

Systems, Mobile Communication

USE MOBILE COMMUNICATION SYSTEMS

Systems, Sortie

USE SORTIE SYSTEMS

Systems, Virtual Memory

USE VIRTUAL MEMORY SYSTEMS

TAGN

TAIWAN

Takeoff-Landing Aircraft, Vertical Attitude

USE VATOL AIRCRAFT

Tapes, Heat

USE HEAT TAPES

TATB

Taylor-Goertler Instability

USE GOERTLER INSTABILITY

TEARING MODES (PLASMAS)

Towers, Whirl

Technology Satellite, Meteoroid

USE EXPLORER 46 SATELLITE

Telecomm Satellites, European Large

USE L-SAT

Telescopor Maneuvering System

USE TELEOPERATORS

Telescope Facility, Space Infrared

USE SPACE INFRARED TELESCOPE FACILITY

Telescope, Hubble Space

USE HUBBLE SPACE TELESCOPE

Telescope, Solar Optical

USE SOLAR OPTICAL TELESCOPE

Telescope, Space

USE HUBBLE SPACE TELESCOPE

Telescoping Structures

USE FOLDING STRUCTURES

Temperature Parameter, Time

USE TIME TEMPERATURE PARAMETER

TEMPERATURE RATIO

Temperature, Sea Surface

USE SEA SURFACE TEMPERATURE

Temperature, Spin

USE SPIN TEMPERATURE

Temporal, Multi

USE MULTIVIBRATORS

Territories, Northwest

USE NORTHWEST TERRITORIES

Territory, Yukon

USE YUKON TERRITORY

Test, Bruceton

USE STATISTICAL TESTS

Test, Drones For Aerodynamic And Struct

USE DAST PROGRAM

Tests, Burst

USE BURST TESTS

Theory, Milankovitch

USE CLIMATOLOGY

Theory, Unified Field

USE UNIFIED FIELD THEORY

THERMAL ANALYSIS

Thermal Electric Power Plants, Solar

USE SOLAR THERMAL ELECTRIC POWER PLANTS

Thermal Gravimetry

USE THERMOGRAVIMETRY

THERMOGRAPHY

THRUSTORS

TIME TEMPERATURE PARAMETER

Timing Explorer, X Ray

USE X RAY TIMING EXPLORER

TIP VANES

Tips, Crack

USE CRACK TIPS

Tools, Software

USE SOFTWARE TOOLS

Topping Cycle Engines

Torso, Whirl

USE WHIRL TOWERS
NASA THESAURUS SUPPLEMENT (PART 2)

Z

Zones, Float
USE FLOAT ZONES

Zones, Liquid Plus Solid
USE MUHSY ZONES

Zones, Mushy
USE MUSHY ZONES

NUMERICAL LISTING

1. SEASAT
USE SEASAT 1

2 Satellite, P78-
USE SCATHA SATELLITE

2 Spacecraft, Mariner Mark
USE MARINER MARK 2 SPACECRAFT

2A Aircraft, US-
USE S-2 AIRCRAFT

4. LANDSAT
USE LANDSAT 4

5. LANDSAT
USE LANDSAT 5

7 Spacecraft, Mars
USE MARS 7 SPACECRAFT

8 Satellite, NOAA
USE NOAA 8 SATELLITE

8 Aircraft, AV-
USE HARRIER AIRCRAFT

10 Satellite, Solrad
USE EXPLORER 44 SATELLITE

12 Space Probe, Pioneer
USE PIONEER VENUS SPACECRAFT

13, STS-
USE SPACE SHUTTLE MISSION 41-C

14, STS-
USE SPACE SHUTTLE MISSION 41-D

17, STS-
USE SPACE SHUTTLE MISSION 41-G

19, STS-
USE SPACE SHUTTLE MISSION 51-A

20, STS-
USE SPACE SHUTTLE MISSION 51-C

21, STS-
USE SPACE SHUTTLE MISSION 51-B

22, STS-
USE SPACE SHUTTLE MISSION 51-E

23, STS-
USE SPACE SHUTTLE MISSION 51-D

24, STS-
USE SPACE SHUTTLE MISSION 51-F

25, STS-
USE SPACE SHUTTLE MISSION 51-G

26, STS-
USE SPACE SHUTTLE MISSION 51-L

27, STS-
USE SPACE SHUTTLE MISSION 51-I

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

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

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

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

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

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

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

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

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

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

44 Satellite, Explorer
  USE  EXPLORER 44 SATELLITE

46 Satellite, Explorer
  USE  EXPLORER 46 SATELLITE

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

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

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

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

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

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

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

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

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

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

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

099, Space Shuttle Orbiter
  USE  CHALLENGER (ORBITER)

103, Space Shuttle Orbiter
  USE  DISCOVERY (ORBITER)

104, Space Shuttle Orbiter
  USE  ATLANTIS (ORBITER)

205 Computer, CDC Cyber
  USE  CDC CYBER 205 COMPUTER

310 Aircraft, A-
  USE  A-310 AIRCRAFT

320 Aircraft, A-
  USE  A-320 AIRCRAFT

954 Satellite, Cosmos
  USE  COSMOS 954 SATELLITE
NASA THESAURUS SUPPLEMENT

PART 3

DELETIONS

AEROMAGNETISM
Use GEOMAGNETISM
Deleted, term now postable

BARYON RESONANCES
Transferred to BARYON RESONANCE

BIOCLIMATOLOGY
Transferred to BIOMETEOROLOGY

CAMBODIA
Transferred to KAMPUCHEA

CERCOCEBUS MONKEYS
Transferred to MONKEYS

CHINA (Array term)
Deleted

CHINA (MAINLAND)
Transferred to CHINA

CHINA (TAIWAN)
Transferred to TAIWAN

COMMONALITY (EQUIPMENT)
Transferred to COMMONALITY

COMPUTERIZED DESIGN
Transferred to COMPUTER AIDED DESIGN

CONDENSERS (LIQUIFRS)
Transferred to CONDENSERS (LIQUEFIERS)

COSMOS 1 SATELLITE
COSMOS 4 SATELLITE
COSMOS 7 SATELLITE
COSMOS 8 SATELLITE
COSMOS 11 SATELLITE
COSMOS 12 SATELLITE
COSMOS 15 SATELLITE
COSMOS 17 SATELLITE
COSMOS 41 SATELLITE
COSMOS 53 SATELLITE
COSMOS 55 SATELLITE
COSMOS 462 SATELLITE
COSMOS 1128 SATELLITE
COSMOS 1130 SATELLITE
COSMOS 1131 SATELLITE
COSMOS 1132 SATELLITE
COSMOS 1133 SATELLITE
COSMOS 1134 SATELLITE
COSMOS 1135 SATELLITE
COSMOS 1136 SATELLITE
COSMOS 1137 SATELLITE

DAHOMEY
Transferred to BENIN

DIKES
Use ROCK INTRUSIONS
Deleted

DIFFERENTIAL ANALYZERS
Use ANALOG COMPUTERS
Deleted, term now postable

DIFFERENTIAL THERMAL ANALYSIS
Transferred to THERMAL ANALYSIS

DIRECTORIES
Use INDEXES (DOCUMENTATION)
Deleted

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

EXERCISE (PHYSIOLOGY)
Use PHYSICAL EXERCISE
Deleted

EXPERIMENTAL DESIGN
Transferred to EXPERIMENT DESIGN

EXPLORER 42 SATELLITE
Transferred to UHURU SATELLITE

FLUORPHLOGOPITE
Transferred to FLUORPHLOGOPITE

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

GREEN FUNCTION
Transferred to GREEN'S FUNCTIONS

IMAGING RADAR
Use SYNTHETIC APERATURE RADAR
Deleted, term now postable

INFORMATION TRANSFER
Use COMMUNICATING
Deleted, term now postable

INTELSAT 1 SATELLITE
INTELSAT 2 SATELLITE
INTELSAT 3 SATELLITE
INTELSAT 4 SATELLITE
INTELSAT 5 SATELLITE
INTELSAT 58 SATELLITE
INTELSAT 5C SATELLITE
INTELSAT 5F SATELLITE
Transferred to INTELSAT SATELLITES

INTERNATIONAL SOLAR POLAR MISSION
Transferred to ULYSSES MISSION

ISEE A
Use INTERNATIONAL SUN EARTH EXPLORER 1
Deleted

ISEE B
Use INTERNATIONAL SUN EARTH EXPLORER 2
Deleted

ISEE C
Use INTERNATIONAL SUN EARTH EXPLORER 3
Deleted

ISEE 1
Use INTERNATIONAL SUN EARTH EXPLORER 1
Deleted

ISEE 2
Use INTERNATIONAL SUN EARTH EXPLORER 2
Deleted

ISEE 3
Use INTERNATIONAL SUN EARTH EXPLORER 3
Deleted

K-MESONS
Transferred to KAONS

LANDSAT C
Use LANDSAT 3
Deleted

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

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

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

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

LUNAR ATMOSPHERES
Transferred to LUNAR ATMOSPHERE

LYRAE CONSTELLATION
Transferred to LYRA CONSTELLATION

MANGABFYS
Transferred to MONKEYS

MESON RESONANCES
Transferred to MESON RESONANCE

MUCOUS
Transferred to MUCUS

NIMBUS F
Transferred to NIMBUS 6

NIMBUS G
Transferred to NIMBUS 7

NORTH VIETNAM
Transferred to NOVA SATELLITES

NOVA SATELLITE
Transferred to NOVA SATELLITES

RADIATION MEDICINE
Transferred to NUCLEAR MEDICINE

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

RECTANGULAR GUIDES
Transferred to RECTANGULAR WAVEGUIDES

ROMANIA
Use RUMANIA
Deleted

RUMANIA
Transferred to ROMANIA

SEASAT-A SATELLITE
Transferred to SEASAT 1

SORTIE CAN
Use SPACELAB
Replaced by Use SORTIE SYSTEMS

SORTIE LAB
USE SPACELAB
Replaced by Use SORTIE SYSTEMS

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

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

THRUSTORS
Use ROCKET ENGINES
Deleted, term now postable

TIROS N SATELLITES
Transferred to TIROS N SERIES SATELLITES

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

PAYLOAD TRANSFER (STS)
Transferred to PAYLOAD TRANSFER

PHASED LOCKED SYSTEMS
Transferred to PHASE LOCKED SYSTEMS

PROCEEDINGS
Transferred to CONFERENCES

UNITED ARAB REPUBLIC
Deleted

UNITED STATES OF AMERICA
Transferred to UNITED STATES

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