

FAA
thesaurus
OF
TECHNICAL
DESCRIPTORS



THIRD EDITION
INFORMATION RETRIEVAL BULLETIN

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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The FAA Thesaurus of Technical Descriptors is one of the publications produced by the systems technology developed for the information retrieval system. This technology will be used in producing many of the other information retrieval services referenced in Order 1750.7, dated 7/25/67, which provided for the design, development and management of an integrated system for the storage and retrieval of scientific, technical and administrative reference information. The Office of Management Systems trusts that the products of this system will be useful to FAA libraries and to all agency personnel.



S. E. BLUM

Director of Management Systems

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Foreword

The Thesaurus of FAA Descriptors has been compiled as part of a program for developing a semi-automated information retrieval system for the FAA. Descriptors listed were selected in the indexing in depth of approximately 22,000 technical reports.

The Thesaurus will be refined and updated on a continuing basis to assure indexing reliability, retrieval accuracy and general acceptability.

Comments on the Third Edition or recommendations concerning the further development of the Thesaurus should be sent to the Office of Management Systems (MS-110).

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Introduction

Thesaurus Purpose

This is the third edition of the *Thesaurus of FAA Descriptors*, the vocabulary of the Federal Aviation Information Retrieval System (FAIRS).

This edition, with 3,123 descriptors, includes new terms established since the last publication, in November, 1965. Further, it is presented in the format developed by Project LEX for the *Thesaurus of Engineering and Scientific Terms*, issued recently by the Department of Defense.

The purpose of this thesaurus is to provide a definitive, working vocabulary for the field of civil aviation; its terms or descriptors serve as reference standards for the indexing and retrieval of information. The thesaurus is designed to permit effective specific descriptions of documents on input and answerable search queries on output. In this sense, the thesaurus is the communication link which permits entry and exit of information to and from the FAIRS system in a consistent and relatively predictable manner.

Description of Thesaurus Entries

The thesaurus lists *Descriptors* and *Use references* in alphabetical order. Descriptors always appear in all capital letters. Use references appear in upper and lower case and refer from terms not established as Descriptors to the appropriate Descriptor or combination of Descriptors to be used for expressing the concept being considered.

Used for (UF) references are the Use references which are cross-referenced to a specific Descriptor. UF references are never Descriptors and they always appear in upper and lower case.

Related Terms (RT), on the other hand, are always Descriptors. They are used to cross-reference related Descriptors. They refer from a single Descriptor to one or more related Descriptors.

Many Descriptors display generic relationships to *Broader Term (BT)* and *Narrower Term (NT)* entries. BT entries refer to the broader, more inclusive term; NT entries refer to narrower, more specific terms. The concept is explained as follows:

VELOCITY is broader than the terms AIRSPEED, FLIGHT SPEED, and GROUND SPEED. Conversely, the individual terms AIRSPEED,

FLIGHT SPEED, and GROUND SPEED are specific types of VELOCITY and, therefore, are narrower terms which make them specific to VELOCITY.

This concept of generic word relationships is used as an aid by the analyst or the searcher in determining whether or not the proper degree of specificity has been considered. It also serves as a guide to similar terms which may be used in determining the search strategy.

An annotated thesaurus entry is displayed on page vii.

Thesaurus Utilization

A. Indexing

The *Thesaurus of FAA Descriptors* is designed for use in coordinate indexing of documents for entry into the FAIRS system. Coordinate indexing is the assignment of a number of Descriptors to a document on the basis of its analysis by a trained indexer. These Descriptors act as vectors in defining content viewpoints, and taken together, they describe the theme of the document in question.

The purpose of the thesaurus in the indexing function is to provide a degree of consistency and standardization not possible in an unstructured approach to document analysis. Not only does the thesaurus specify those terms which are permissible for use as Descriptors, but it offers multiple access cross-references to many of those Descriptors, and assists the indexer in determining the most appropriate level of specificity at which a given document should be described. Finally, the thesaurus, through display of collateral term (RT) relationships, brings related subject concepts to the indexer's attention for consideration as further potential Descriptors.

B. Searching

Searching of the FAIRS system is based on the same basic principles of coordinate indexing which govern document indexing. Since people requiring information tend to think of their needs in terms of subject concepts, the thesaurus provides familiar terminology which can be effectively used when the thesaurus format and display are understood.

A problem with many information queries, however, is that the searcher is not entirely aware or sure of his needs. Even if his needs are firmly in mind, they will be expressed in terms of his own peculiar background, and he will need assistance to gain access to the information collection.

The thesaurus is designed to provide this assistance. To begin with, it provides cross-reference entries to assist the searcher in "translating" his search concepts into the acceptable Descriptors for system entry. Once the basic Descriptors have been identified, the searcher can define his search statement by analyzing the Descriptor groupings for the most suitable hierarchical levels and for possible collateral or related terms which would provide additional avenues of approach to searching the document file.

C. Method of Use

In utilizing the thesaurus to index reports or to search the file on specific subjects, the logical method is to use Descriptors that definitely convey the exact concept desired. For example, if information is sought on AVIATION MEDICINE, RADAR BEACONS, or MAINTENANCE, that information can be found directly.

In other cases, selection of the appropriate Descriptors can be made on the following bases:

- (1) From Use references which give Descriptors of equivalent, similar, or broader meaning:
Air lanes, use AIR ROUTES
Approach control, use ATC TERMINAL AREA
Certification, use LICENSING.
- (2) From Use references which stipulate the requirement of two or more valid Descriptors:
Angle of approach indicators, use GLIDE PATH and LANDING AIDS
Aviation psychology, use AVIATION MEDICINE and PSYCHOLOGY.
- (3) Not all Descriptors are subject related. Abstract concepts and modifying terminology exists in nearly all fields and disciplines; Descriptors representing these concepts are provided and can

be used without being restricted to a particular field or subject discipline.

Future Microthesauri

The *Thesaurus of FAA Descriptors* provides a starting point and framework from which narrower, more specialized FAA vocabularies can be constructed. Such vocabularies are commonly called "microthesauri."

Sections of the thesaurus which are related to the subject of such a vocabulary can be used as an outline for microthesaurus development and the addition of completely new terms. Descriptors of the thesaurus could become either Descriptors or Use references in such a microthesaurus, depending on the particular subject area in question.

Families of such vocabularies, useful to FAA analysts indexing specialized material, can be built with the same format as the *Thesaurus of FAA Descriptors*, to supplement its use and respond to specialized needs. Such microthesauri would be particularly helpful to searchers, because of their focus on specific areas of particular subject interest.

If analysts do not find the thesaurus sufficiently detailed to accurately describe certain information, initially they can add identifiers and candidate terms for examination as potential Descriptors.

A review of the type and frequency of such words, from time to time, would make possible a realistic decision as to whether or not to build a microthesaurus.

Care must be taken to distinguish those terms which are actually more detailed and representative of a specialized field, from words which are on the same level of specificity, and deal with the same subject area as the Descriptors in the thesaurus. The latter properly belong in a revision of the thesaurus, either as new Descriptors or as Use references to terms already in the thesaurus.

Criteria to use in determining whether to build a microthesaurus are: degree of specificity of appropriate terms, frequency of use of such terms, and the nature of the subject area in terms of information volume and detailed interest of FAA personnel.

Sample Thesaurus Entry

Descriptor.....	LEADING EDGE
Definition or explanation.....	(The forward edge of an airfoil, blade, etc., i.e., the edge which normally meets the air or fluid first.)
Reverse of the Use reference.....	UF Forward Edge Foremost Edge
Related broader Descriptor concept.....	BT AERODYNAMIC CON- TROL SURFACES AERODYNAMIC CON- FIGURATIONS CONTROL SURFACES
Related narrower Descriptor concept.....	NT LEADING EDGE FLAPS
Associated Descriptor concepts that are not generically related.....	RT AIRFOILS BLADE AIRFOILS TRAILING CONTROL SURFACES
Use reference.....	Forward edge use LEADING EDGE Foremost edge use LEADING EDGE

- AERIAL RUDDERS (Con)**
 BT AERODYNAMIC CONFIGURATIONS
 AERODYNAMIC CONTROL SURFACES
 CONTROL SURFACES
 RT FINNS
 FLAPS
- AERIAL TARGETS**
 BT TARGETS
 RT DRONES
 SURFACE TARGETS
 TARGET DRONES
- AEROBIOLOGY**
 BT BIOLOGY
 RT ATMOSPHERIC POLLUTION
 POLLEN
- AERODYNAMIC CHARACTERISTICS**
 BT FLUID DYNAMIC PROPERTIES
 NT AERODYNAMIC FORCES
 HYPERSONIC CHARACTERISTICS
 SUBSONIC CHARACTERISTICS
 SUPERSONIC CHARACTERISTICS
 TRANSONIC CHARACTERISTICS
- AERODYNAMIC CONFIGURATIONS**
(The relative dispositions of parts the figure, the contour, or the arrangement of parts within structures whose behavior is governed by aerodynamic laws)
 NT AERIAL RUDDERS
 AERODYNAMIC CONTROL SURFACES
 AERODYNAMIC SLOTS
 AILERONS
 AIR BRAKE FLAPS
 AIRFOILS
 AIRPLANE ENGINE COWLINGS
 AIRPLANE MODELS
 AUTOGYRO ROTORS
 BLADE AIRFOILS
 CANARD CONFIGURATIONS
 CONICAL WINGS
 CRUCIFORM WINGS
 DELTA WINGS
 ELEVATORS
 EXHAUST FAIRINGS
 FINNS
 FLAPS
 FLAT PLATE MODELS
 FLUTTER SIMULATORS
 FREE-FALL MODELS
 HELICOPTER ROTORS
 JET HELICOPTER ROTORS
 LEADING EDGE
 LEADING EDGE FLAPS
 PROPELLERS (AERIAL)
 RING WINGS
 ROCKET MODELS
 ROTARY WINGS
 ROTOR BLADES (ROTARY WINGS)
 SLOTTED FLAPS
 SPLIT FLAPS
 SPOILERS
 STABILIZERS (HORIZ TAIL SURFACE)
 STABILIZERS (VERT TAIL SURFACE)
 SUBSONIC AIRFOILS
 SUCTION SLOTS
 SUPERSONIC AIRFOILS
 SWEEP WINGS
 SWEEP-BACK WINGS
 SWEEP-FORWARD WINGS
 TAIL HELICOPTER ROTORS
 TRAILING CONTROL SURFACES
 TRAILING EDGE
 TRANSONIC AIRFOILS
 TRIM TABS
 VARIABLE-INCIDENCE WINGS
 VARIABLE-SWEEP WINGS
 VORTEX GENERATORS
 WIND TUNNEL MODELS
 WING INLETS
 WING SLOTS
 WING-BODY CONFIGURATIONS
 WING-ROTOR CONFIGURATIONS
 WINGS
 RT AERODYNAMIC HEATING
 AEROELASTICITY
 AEROSTATICS
 ASPECT RATIO
 CONTROL SURFACES
 DUCTED BODIES
 FLUID DYNAMIC PROPERTIES
 GEOMETRIC FORMS
- HYDRODYNAMIC CONFIGURATIONS**
AERODYNAMIC CONTROL SURFACES
 UF Wing tip control surfaces
 BT AERODYNAMIC CONFIGURATIONS
 AIRFOILS
 CONTROL SURFACES
 FLIGHT CONTROL SYSTEMS
 NT AERIAL RUDDERS
 AILERONS
 AIR BRAKE FLAPS
 ELEVATORS
 FINNS
 FLAPS
 LEADING EDGE
 LEADING EDGE FLAPS
 SLOTTED FLAPS
 SPLIT FLAPS
 SPOILERS
 STABILIZERS (HORIZ TAIL SURFACE)
 STABILIZERS (VERT TAIL SURFACE)
 TRAILING CONTROL SURFACES
 TRAILING EDGE
 TRIM TABS
 RT AIRFRAMES
 BOUNDARY LAYER CONTROL SYSTEMS
 CONTROL JETS
 CONTROL STICKS
- AERODYNAMIC FORCES**
(Forces acting on a body in motion through air or other gas, or in relative motion with respect to air or other gas, and arising from this motion)
 BT AERODYNAMIC CHARACTERISTICS
 NT DRAG
 GRAVITY
 LIFT
 THRUST
 RT AERODYNAMIC LOADING
 PRESSURE
- AERODYNAMIC HEATING**
 ST FLUID DYNAMIC PROPERTIES
 HEATING
 RT ABLATION
 AERODYNAMIC CONFIGURATIONS
 AERODYNAMIC LOADING
 AEROTHERMOELASTICITY
 ATMOSPHERE ENTRY
 GUST LOADS
 LOAD DISTRIBUTION
- AERODYNAMIC LOADING**
 BT LOADING (MECHANICS)
 RT AERODYNAMIC FORCES
 AERODYNAMIC HEATING
 GUST LOADS
 LOAD DISTRIBUTION
- Aerodynamic properties**
 USE FLUID DYNAMIC PROPERTIES
- AERODYNAMIC SLOTS**
(Nozzle-shaped openings in aerodynamic configurations to improve flow conditions at high angles of attack.)
 UF Slots (Aerodynamic)
 BT AERODYNAMIC CONFIGURATIONS
 NT SLOTTED FLAPS
 SUCTION SLOTS
 WING SLOTS
 RT DUCT INLETS
 DUCTED BODIES
 DUCTS
 ORIFICES
- AERODYNAMICS**
 BT DYNAMICS
 RT MECHANICS
- AEROELASTICITY**
 BT ELASTICITY
 NT AEROTHERMOELASTICITY
 RT AERODYNAMIC CONFIGURATIONS
 FLUID FLOW
 FLUID MECHANICS
- Aerembolism**
 USE GAS EMBOLISM
- Aerological balloons**
 USE METEOROLOGICAL BALLOONS
- AERONAUTICAL BOOMS**
 UF Booms (Aircraft Equipment)
 BT AIRCRAFT EQUIPMENT
 RT AIRCRAFT PROTUBERANCES
- AERONAUTICAL LABORATORIES**
 BT LABORATORIES
- RT ALTITUDE CHAMBERS**
AERONAUTICS
 UF Aviation
 BT SCIENTIFIC RESEARCH
 RT AIR FORCE RESEARCH
- AEROSOLS**
 BT COLLOIDS
 RT ATOMIZATION
 POISONOUS GASES
 SMOKES
 SPRAYS
- AEROSPACE CRAFT**
(Vehicles that function in both the sensible atmosphere and the space environment.)
 UF Aerospace vehicles
 BT SPACECRAFT
 NT AEROSPACE PLANES
 RT AIRCRAFT
- Aerospace ground equipment**
 USE GROUND SUPPORT EQUIPMENT
- AEROSPACE PLANES**
(Aerospace craft designed to take off from conventional runways and operate in the outer fringes of the atmosphere by air liquefaction.)
 UF Asp
 BT AEROSPACE CRAFT
 SPACECRAFT
 RT AIRPLANES
- Aerospace vehicles**
 USE AEROSPACE CRAFT
- AEROSTATICS**
 BT FLUID MECHANICS
 MECHANICS
 STATICS
 RT AERODYNAMIC CONFIGURATIONS
- AEROTHERMOELASTICITY**
 BT AEROELASTICITY
 ELASTICITY
 RT ABLATION
 AERODYNAMIC HEATING
- AF (Frequency)**
 USE AUDIOFREQUENCY
- Afc**
 USE AUTOMATIC FREQUENCY CONTROL
- AFTERBURNERS**
 RT GAS TURBINES
 TURBOJET ENGINES
- AFTERIMAGES**
 UF Visual after-images
 RT IMAGES
- Age**
 USE AGING (PHYSIOLOGY)
- Age factors**
 USE AGING (PHYSIOLOGY)
- AGING (MATERIALS)**
(Changes in materials or products produced under certain conditions by the passage of time. Includes the act of allowing such changes to take place.)
 UF Curing
 RT DEGRADATION
- AGING (PHYSIOLOGY)**
 UF Age
 Age factors
 Degeneration (Biology)
 Physiological aging
 Senescence
 RT GROWTH
- AGRICULTURE**
 NT FORESTRY
 RT ECONOMICS
 PLANTS (BOTANY)
- Allicon tabs**
 USE TRIM TABS
- AILERONS**
 UF Drooped ailerons
 BT AERODYNAMIC CONFIGURATIONS
 AERODYNAMIC CONTROL SURFACES
 CONTROL SURFACES
 TRAILING CONTROL SURFACES
 RT ELEVATORS
- AIR**
 ST GASES
 NT COMPRESSED AIR
 RT ATMOSPHERE
- Air bearings**
 USE GAS BEARINGS
- AIR BRAKE FLAPS**
 UF Airspeed brakes
 Dive flaps
- Speed brake flaps
 Wing speed brakes
 BT AERODYNAMIC CONFIGURATIONS
 AERODYNAMIC CONTROL SURFACES
 CONTROL SURFACES
 FLAPS
 TRAILING CONTROL SURFACES
 RT BRAKES
 ELEVATORS
 SLOTTED FLAPS
 TOWED BODIES
- Air brakes**
 USE PNEUMATIC BRAKES
- AIR BRAKING**
 USE AIRCRAFT BRAKING
- AIR BURST**
 RT NUCLEAR EXPLOSIONS
- AIR CARRIERS**
(Organizations operating aircraft certificated by the FAA for the purpose of carrying passengers or cargo for hire. For aircraft operated by air carriers, see TRANSPORT PLANES.)
 BT CIVIL AVIATION
 AIR CONDITIONING EQUIPMENT
 BT COOLING & VENTILATING EQUIPMENT
 RT REFRIGERATION SYSTEMS
 VENTILATION DUCTS
- AIR CONTROL CENTERS**
(The principal air operations installations from which all aircraft and air warning functions of tactical air operations are controlled.)
 RT AIRCRAFT INTERCEPT CONTROL SYSTEMS
 AIRCRAFT INTERCEPTION
- AIR DEFENSE COMMAND**
 BT AIR FORCE
 ARMED FORCES (UNITED STATES)
 MILITARY ORGANIZATIONS
 RT STRATEGIC AIR COMMAND
- AIR EJECTORS**
 BT JET PUMPS
 PUMPS
 RT ENGINE AIR SYSTEMS
 COMPONENTS
- Air flow**
 USE GAS FLOW
- AIR FORCE**
 BT ARMED FORCES (UNITED STATES)
 MILITARY ORGANIZATIONS
 NT AIR DEFENSE COMMAND
 AIR FORCE LOGISTICS COMMAND
 AIR FORCE SYSTEMS COMMAND
 STRATEGIC AIR COMMAND
 TACTICAL AIR COMMAND
 RT DEPARTMENT OF DEFENSE
- Air force budgets**
 USE ARMED FORCES BUDGETS
- Air Force depots**
 USE SUPPLY DEPOTS
- AIR FORCE EQUIPMENT**
 BT LOGISTICS
- Air force logistics**
 USE LOGISTICS
- AIR FORCE LOGISTICS COMMAND**
 UF Air material command
 BT AIR FORCE
 ARMED FORCES (UNITED STATES)
 MILITARY ORGANIZATIONS
- AIR FORCE OPERATIONS**
 BT ARMED FORCES OPERATIONS
 RT AERIAL RECONNAISSANCE
 ARMED FORCES
 TRANSPORTATION
 FORMATION FLIGHT
 LOGISTICS
 STRATEGIC BOMBING
- AIR FORCE PROCUREMENT**
 BT ARMED FORCES PROCUREMENT
 GOVERNMENT PROCUREMENT
 LOGISTICS
 PROCUREMENT
- AIR FORCE RESEARCH**
 BT ARMED FORCES RESEARCH
 RT AERONAUTICS
- Air Force supplies**
 USE ARMED FORCES SUPPLIES

AIR FORCE SYSTEM COMMAND

BT AIR FORCE ARMED FORCES (UNITED STATES) MILITARY ORGANIZATIONS
Air lanes
 USE AIR ROUTES
AIR MASS ANALYSIS
 UF Frontal analysis
 BT METEOROLOGY
Air material command
 USE AIR FORCE LOGISTICS COMMAND
Air position indicators
 USE GROUND-POSITION INDICATORS
Air raid casualties
 USE CASUALTIES
Air raid shelters
 USE SHELTERS

AIR ROUTE TRAFFIC CONTROL

RT ATC ENROUTE FLIGHT PATTERNS
AIR ROUTE TRAFFIC CONTROL CENTERS
 UF Air traffic control centers ATCC ATCC
 BT AIR TRAFFIC CONTROL SYSTEMS
 RT AIRPORT CONTROL TOWERS AIRPORTS ATC TERMINAL AREA TERMINAL FLIGHT FACILITIES

AIR ROUTES

(Navigable airspace between two points which is identifiable)
 UF Air lanes Enroute Jet routes Routes
 BT FLIGHT PATHS
 RT AIRSPACE AIRWAYS ATC ENROUTE FLIGHT PATTERNS FLIGHT PLANS

AIR SCOOPS

UF Scoops (Engines)
Air sickness
 USE MOTION SICKNESS
Air space
 USE AIRSPACE
Air stabilizers
 USE STABILIZATION SYSTEMS

AIR TRAFFIC

BT TRAFFIC
 NT PEAK AIR TRAFFIC
 RT AIR TRANSPORTATION ALL-WEATHER AVIATION AVIATION SAFETY CIVIL AVIATION TERMINAL FLIGHT FACILITIES

Air traffic control centers
 USE AIR ROUTE TRAFFIC CONTROL CENTERS

AIR TRAFFIC CONTROL SYSTEMS

(The personnel equipment and techniques for establishing, controlling, and maintaining orderly flow of aircraft in a given air space)
 NT AIR ROUTE TRAFFIC CONTROL CENTERS
 AIRPORT CONTROL TOWERS ATC ENROUTE CLEARANCE POSITIVE CONTROL
 RT AIRPORT RADAR SYSTEMS AIRPORTS ALL-WEATHER AVIATION AVIATION SAFETY CIVIL AVIATION COLLISION AVOIDANCE FLIGHT PLANS FLIGHT PROGRESS STRIPS FLIGHT SERVICE STATIONS HOLDING PATTERNS LANDING AIDS LANDING FIELDS RADAR HANDOFF RADAR LANDING CONTROL TERMINAL FLIGHT FACILITIES

AIR TRAFFIC CONTROLLERS

BT AVIATION PERSONNEL OPERATORS PERSONNEL
 RT FLIGHT SERVICE SPECIALISTS

RADAR OPERATORS RADIO OPERATORS
AIR TRANSPORTATION
 (The conveyance of cargo or personnel by aircraft. Equipment and systems characterized by use aboard aircraft are indicated as AIRBORNE.)
 UF Airlift
 BT TRANSPORTATION
 RT AIR TRAFFIC AIR-DROP OPERATIONS AIRPORT SURFACE TRAFFIC ARMED FORCES TRANSPORTATION CIVIL AVIATION

AIR-BREATHING ENGINES (UNCONV)

AIR-COOLED
AIR-DROP OPERATIONS
 BT ARMED FORCES OPERATIONS
 RT AERIAL PICKUP SYSTEMS AIR TRANSPORTATION PARACHUTE DESCENTS PARACHUTE JUMPING PARACHUTES

AIR-INTAKE FILTERS

BT FILTERS (FLUID)
 RT INDUCTION SYSTEMS JET ENGINE INLETS

AIR-SEA RESCUE BEACONS

BT BEACONS RESCUE BEACONS
AIR-SEA RESCUES
 BT RESCUES SEA RESCUES
 RT SEA RESCUE EQUIPMENT SURVIVAL

AIR-TO-AIR

AIR-TO-SURFACE

AIR-TOWED

AIRBORNE

AIRCRAFT

UF Flight recorders Propeller driven aircraft
 NT AIRPLANES AIRSHIPS AMPHIBIAN PLANES ANTISUBMARINE AIRCRAFT ARMY AIRCRAFT ATTACK BOMBERS AUTOGYROS BALLOONS BOMBERS CONVERTIBLE AIRPLANES DRONES FIGHTERS FLYING BOATS FLYING PLATFORMS GENERAL AVIATION AIRCRAFT GLIDERS GROUND EFFECT MACHINES HELICOPTERS HYPERSONIC PLANES JET BOMBERS JET FIGHTERS JET FLYING BOATS JET PLANES JET TRAINING PLANES JET TRANSPORT PLANES METEOROLOGICAL BALLOONS MILITARY AIRCRAFT NAVAL AIRCRAFT OBSERVATION PLANES PARASITE PLANES PATROL BOMBERS PATROL PLANES RECOMMISSANCE PLANES RESEARCH PLANES ROCKET PLANES SEAPLANES SHORT TAKE-OFF PLANES SUPERSONIC PLANES SUPERSONIC TRANSPORTS TAILLESS AIRPLANES TANKER PLANES TARGET DRONES TOWING PLANES TRAINING PLANES TRANSonic PLANES TRANSPORT PLANES UTILITY PLANES VERTICAL TAKE-OFF PLANES WATER-BASED AIRPLANES
 RT AEROSPACE CRAFT INFLATABLE STRUCTURES PROPLASION SPACECRAFT

Aircraft accidents
 USE AVIATION ACCIDENTS
AIRCRAFT BRAKING
 (The phenomenon of force applied to an aircraft to impede motion.)
 UF Air braking Ground braking

AIRCRAFT CABINS
 (Inclosed compartments in aircraft for cargo, passengers or crew members. For similar compartments especially designed for the pilot or for the pilot and copilot, see COCKPITS.)
 BT AIRCRAFT EQUIPMENT
 RT AIRCRAFT PROTUBERANCES AIRCRAFT SEATS COCKPITS JETTISONABLE COCKPITS JETTISONABLE EQUIPMENT PRESSURIZED CABINS

AIRCRAFT CANOPIES

UF Canopies
 JT AIRFRAMES
 RT TRANSPARENT PANELS

Aircraft clocks
 USE CLOCKS

AIRCRAFT DEFENSE SYSTEMS

BT DEFENSE SYSTEMS
AIRCRAFT EQUIPMENT
 (Devices located in or on aircraft excluding the control surfaces, parts of the airframe and the propulsion system.)
 NT AERIAL PICKUP SYSTEMS AERONAUTICAL BOOMS AIRCRAFT CABINS AIRCRAFT SEATS AIRCRAFT TIRES AIRPLANE ANTENNAS AIRPLANE ENGINE HEATERS BOUNDARY LAYER CONTROL SYSTEMS COCKPITS CONTROL STICKS DE-ICING SYSTEMS EJECTION SEATS GONDOLAS HELICOPTER HOISTS HYDRO-SKIS JETTISONABLE COCKPITS JETTISONABLE EQUIPMENT LANDING GEAR LANDING GEAR DOORS LANDING LIGHTS NOSE WHEELS PILOT SEATS SEAPLANE FLOATS TAIL WHEELS

RT AIRCRAFT PROTUBERANCES AIRFRAMES BALLOON EQUIPMENT CONTROL KNOBS CONTROL PANELS CONTROL SURFACES FARRINGS FLIGHT INSTRUMENTS NACELLES PRESSURIZED CABINS PROPELLERS (AERIAL)

Aircraft escape openings
 USE JETTISONABLE COCKPITS
AIRCRAFT FINISHES
 BT FINISHES & FINISHING
 RT PROTECTIVE TREATMENTS
AIRCRAFT FIRE CONTROL SYSTEMS
 (Systems containing target locators, computers and directors for employing air-to-air mounted weapons against air or surface targets.)
 BT FIRE CONTROL SYSTEMS

AIRCRAFT FIRES

BT FIRES
 RT AVIATION ACCIDENTS AVIATION PLANNES AVIATION SAFETY

Aircraft floor coverings
 USE FLOOR COVERINGS
AIRCRAFT INDUSTRY
 BT INDUSTRIES
AIRCRAFT INTERCEPT CONTROL SYSTEMS
 RT AIR CONTROL CENTERS INSTRUMENT LANDING

AIRCRAFT INTERCEPTION

BT INTERCEPTION

RT AIR CONTROL CENTERS
AIRCRAFT MARKINGS
AIRCRAFT NUCLEAR PROPULSION
 BT PROPULSION
 RT NUCLEAR POWER PLANTS
Aircraft passengers
 USE PASSENGERS

AIRCRAFT PROTUBERANCES

UF Airplane protuberances
 RT AERONAUTICAL BOOMS AIRCRAFT CABINS AIRCRAFT EQUIPMENT AIRPLANE ANTENNAS AIRPLANE NOSES ENGINE NACELLES FUEL TANKS GONDOLAS JET ENGINE NACELLES JETTISONABLE EQUIPMENT LANDING GEAR LANDING GEAR DOORS NACELLES SEAPLANE FLOATS

AIRCRAFT SEATS

BT AIRCRAFT EQUIPMENT
 NT EJECTION SEATS PILOT SEATS

RT AIRCRAFT CABINS

AIRCRAFT STRUCTURES

USE AIRCRAFT SYSTEMS
AIRCRAFT SYSTEMS
 (The electrical, mechanical, and structural systems of an aircraft.)
 UF Aircraft structures Electrical systems Mechanical systems

NT FLIGHT CONTROL SYSTEMS HYDRAULIC SYSTEMS PNEUMATIC SYSTEMS POWER PLANTS (AIRCRAFT) WEAPON SYSTEM

AIRCRAFT TIRES

BT AIRCRAFT EQUIPMENT LANDING GEAR
 RT NOSE WHEELS TAIL WHEELS

AIRCRAFT TRACTORS

BT TOWING VEHICLES TRACTORS VEHICLES
Aircraft wheel brakes
 USE VEHICLE BRAKES

Airfields
 USE LANDING FIELDS

AIRFOLDS

BT AERODYNAMIC CONFIGURATIONS
 NT AERODYNAMIC CONTROL SURFACES BLADE AIRFOLDS SUBSONIC AIRFOLDS SUPERSONIC AIRFOLDS TRANSonic AIRFOLDS WINGS
 RT FINS LEADING EDGE PROPELLER BLADES

AIRFRAME BEARINGS

BT BEARINGS
 RT BALL BEARINGS ROLLER BEARINGS

AIRFRAMES

UF Frames (Aircraft)
 NT AIRCRAFT CANOPIES AIRPLANE NOSES AIRPLANE PANELS FLYING BOAT HULLS FUSELAGES TAILS (AIRCRAFT)
 RT AERODYNAMIC CONTROL SURFACES AIRCRAFT EQUIPMENT ENGINE NACELLES GEOMETRIC FORMS JET ENGINE FARRINGS JET ENGINE NACELLES LANDING GEAR LANDING GEAR DOORS LANDING LIGHTS MONOCOQUES NACELLES NOSE WHEELS

Airglow
 USE SKY BRIGHTNESS

Airway
 USE AIR TRANSPORTATION

- Airline passengers**
 USE PASSENGERS
Airman certificates
 USE LICENSING
Airplane accidents
 USE AVIATION ACCIDENTS
AIRPLANE ANTENNAS
 BT AIRCRAFT EQUIPMENT
 ANTENNAS
 RT AIRCRAFT PROTUBERANCES
AIRPLANE ENGINE COWLINGS
 BT AERODYNAMIC CONFIGURATIONS
AIRPLANE ENGINE DUCTS
 RT INDUCTION SYSTEMS
 JET ENGINE INLETS
AIRPLANE ENGINE HEATERS
 BT AIRCRAFT EQUIPMENT
Airplane engine ignition systems
 USE IGNITION SYSTEMS
AIRPLANE ENGINE NOISE
 BT ENGINE NOISE
 NOISE
 RT AIRPLANE NOISE
AIRPLANE ENGINE OILS
 BT LUBRICANTS
 OILS
Airplane engine starters
 USE ENGINE STARTERS
AIRPLANE ENGINES
 BT POWER PLANTS (AIRCRAFT)
 RT HELICOPTER ENGINES
 JET ENGINES
 ROCKET MOTORS
Airplane launching
 USE CATAPULTS
AIRPLANE MODELS
 BT AERODYNAMIC CONFIGURATIONS
 MODELS (SIMULATIONS)
 RT FREE-FALL MODELS
 ROCKET MODELS
 WIND TUNNEL MODELS
AIRPLANE NOISE
 BT NOISE
 RT AIRPLANE ENGINE NOISE
 JET PLANE NOISE
AIRPLANE NOSES
 BT AIRFRAMES
 RT AIRCRAFT PROTUBERANCES
 FUSELAGES
AIRPLANE PANELS
 BT AIRFRAMES
 PANELS (STRUCTURAL)
 STRUCTURAL PARTS
 RT FUSELAGES
 HONEYCOMB CORES
 SANDWICH PANELS
 TRANSPARENT PANELS
Airplane protuberances
 USE AIRCRAFT PROTUBERANCES
Airplane refueling
 USE REFUELING
Airplane speed
 USE FLIGHT SPEEDS
AIRPLANES
 BT AIRCRAFT
 NT AMPHIBIAN PLANES
 ATTACK BOMBERS
 BOMBERS
 CONVERTIBLE AIRPLANES
 FIGHTERS
 FLYING BOATS
 GLIDERS
 HYPERSONIC PLANES
 JET BOMBERS
 JET FIGHTERS
 JET FLYING BOATS
 JET PLANES
 JET TRAINING PLANES
 JET TRANSPORT PLANES
 OBSERVATION PLANES
 PARASITE PLANES
 PATROL BOMBERS
 PATROL PLANES
 RECONNAISSANCE PLANES
 RESEARCH PLANES
 ROCKET PLANES
 SEAPLANES
 SHORT TAKE-OFF PLANES
 SUPERSONIC PLANES
 TAILLESS AIRPLANES
 TANKER PLANES
 TOWING PLANES
 TRAINING PLANES
 TRANSONIC PLANES
 TRANSPORT PLANES
 UTILITY PLANES
 VERTICAL TAKE-OFF PLANES
 WATER-BASED AIRPLANES
AEROSPACE PLANES
 RT ANTISUBMARINE AIRCRAFT
 ARMY AIRCRAFT
 AUTOGYROS
 FLYING PLATFORMS
 GROUND EFFECT MACHINES
 HELICOPTERS
 NAVAL AIRCRAFT
Airport aprons
 USE APRONS
AIRPORT CONTROL TOWERS
 BT AIR TRAFFIC CONTROL SYSTEMS
 LANDING AIDS
 TERMINAL FLIGHT FACILITIES
 RT AIR ROUTE TRAFFIC CONTROL
 CENTERS
 ATC TERMINAL AREA
 RADAR LANDING CONTROL
Airport radar scanners
 USE AIRPORT RADAR SYSTEMS
 AND RADAR SCANNING
AIRPORT RADAR SYSTEMS
(Radar systems used at airports for various applications including navigation, weather observation, and traffic control.)
 UF Airport radar scanners
 Navar
 Navascopes
 Surveillance radar
 BT RADAR
 RT AIR TRAFFIC CONTROL SYSTEMS
 ATC TERMINAL AREA
 GROUND-CONTROLLED
 APPROACH RADAR
 METEOROLOGICAL RADAR
 RADAR NAVIGATION
 SEARCH RADAR
AIRPORT SURFACE TRAFFIC
(Aircraft operating on the airport surface for movement of service vehicles, etc. see TRAFFIC.)
 BT TRAFFIC
 RT AIR TRANSPORTATION
 AIRPORTS
 ALL-WEATHER AVIATION
 ATC TERMINAL AREA
 AVIATION SAFETY
AIRPORTS
 BT TERMINAL FLIGHT FACILITIES
 NT HELIPORTS
 RT AIR ROUTE TRAFFIC CONTROL
 CENTERS
 AIR TRAFFIC CONTROL SYSTEMS
 AIRPORT SURFACE TRAFFIC
 APRONS
 FLIGHT SERVICE STATIONS
 LANDING AIDS
 LANDING FIELDS
AIRSHIPS
(Lighter-than-air aircraft that have their own means of propulsion and flight control.)
 UF Blimps
 Dirigibles
 BT AIRCRAFT
 RT BALLOONS
AIRSPACE
(Space in the air above the surface of the earth or a particular portion of such space, usually defined by the boundaries of an area on the surface projected upward.)
 UF Air space
 RT AIR ROUTES
 AIRWAYS
 FLIGHT PATHS
AIRSPEED
 BT VELOCITY
 NT MACH NUMBER
 RT FLIGHT SPEEDS
 GROUND SPEED
Airspeed brakes
 USE AIR BRAKE FLAPS
AIRSPEED INDICATORS
 BT FLIGHT INSTRUMENTS
 FLIGHT SPEED INDICATORS
 RT GROUND-POSITION INDICATORS
 GROUND-SPEED INDICATORS
 MACHMETERS
 RATE-OF-CLIMB INDICATORS
 STALL-WARNING INDICATORS
Airstream direction detectors
 USE ATTITUDE INDICATORS
AIRWAYS
(A 10 mile wide path through the navigable airspace designated by the FAA as extending from the ground to 24,000 feet above mean sea level.)
 UF Slant airways
 RT AIR ROUTES
 AIRSPACE
 ATC ENROUTE
 ATC TERMINAL AREA
 FLIGHT PATHS
 FLIGHT PLANS
AIRWORTHINESS
 BT AVIATION SAFETY
 RT LICENSING
Airy series
 USE SERIES
Airy-Hardy integrals
 USE INTEGRALS
Alarms
 USE WARNING SYSTEMS
ALCOHOL
 BT CNS DEPRESSANTS
 ORGANIC COMPOUNDS
 RT PHARMACOLOGY
 PHYSIOLOGY
Aldosterone
 USE CORTICOSTEROID AGENTS
Aldosterone antagonists
 USE DIURETICS
Alertness
 USE ATTENTION
Allyl waves
 USE MAGNETOHYDRODYNAMICS
ALGAE
 UF Chlorophyta
 Chrysophyta
 Cyanophyta
 Euglenophyta
 Hydrophytes
 Pyrrophyta
 Rhodophyta
 Seaweed
 BT PLANTS (BOTANY)
 RT FUNGI
ALGEBRA
 UF Abelian fields
 Boolean lattices
 Boolean sums
 Discriminants
 Embedding theory
 Hilbert's nullstellensatz
 L-ideals
 Lattice sums
 Lattices (Mathematics)
 Lie rings
 Modules (Mathematics)
 Ordered division rings
 Prime rings
 Ring domains
 Semi-lattices
 Struct ideals
 Torsion products
ALGEBRAIC TOPOLOGY
 UF Amitsur-Levitski theorem
 Cohomology
 Fibrations
 Fibre bundles
 Fibre systems
 Flows (Topology)
 Geodesic flows
 Homotopy
 Kuranishi theory
 Line bundles
 N-plane bundles
 Neighborhood retract
 Non-abelian cohomology
 Poincare duality (Theorem)
 Pontryagin product
 Prolongations
 Real Grassman manifolds
 Riemannian space
 Vector bundles
Algol
 USE PROGRAMMING LANGUAGES
ALKALI METAL COMPOUNDS
 NT LITHIUM COMPOUNDS
 RT INORGANIC COMPOUNDS
ALKALINE EARTH COMPOUNDS
 RT INORGANIC COMPOUNDS
ALKALINE EARTH METALS
 BT GROUP II ELEMENTS
 METALS
ALKALOIDS
 RT DRUGS
Alkyd resins
 USE POLYESTER PLASTICS
ALL-WEATHER AVIATION
 RT AIR TRAFFIC
 AIR TRAFFIC CONTROL SYSTEMS
 AIRPORT SURFACE TRAFFIC
 ATC ENROUTE
 ATC TERMINAL AREA
 AVIATION SAFETY
 CARRIER LANDINGS
 INSTRUMENT LANDINGS
 LANDING AIDS
 LANDING FIELDS
 NAVAL AVIATION
 POSITIVE CONTROL
 TERMINAL FLIGHT FACILITIES
All-wing gliders
 USE GLIDERS
ALLERGY
 UF Anaphylactic shock
 Asthma
 Hypersensitivity
 Schwartzman phenomenon
 RT ANTIGEN-ANTIBODY REACTIONS
ALLOYS
 BT ALUMINUM ALLOYS
 BORON ALLOYS
 BRASS
 CHROMIUM ALLOYS
 COBALT ALLOYS
 COPPER ALLOYS
 CORROSION-RESISTANT ALLOYS
 HEAT-RESISTANT METALS &
 ALLOYS
 IRON ALLOYS
 LOW-TEMPERATURE ALLOYS
 MAGNESIUM ALLOYS
 MOLYBDENUM ALLOYS
 NICKEL ALLOYS
 NIOBIUM ALLOYS
 PALLADIUM ALLOYS
 POTASSIUM ALLOYS
 SILVER ALLOYS
 SODIUM ALLOYS
 SOLDERING ALLOYS
 STAINLESS STEEL
 STEEL
 TANTALUM ALLOYS
 THORIUM ALLOYS
 TITANIUM ALLOYS
 TUNGSTEN ALLOYS
 VANADIUM ALLOYS
 RT CERMETS
 COLLOIDS
 EUTECTICS
Almost periodic functions
 USE FUNCTIONS
ALTERNATING CURRENT
 BT ELECTRIC CURRENTS
 ELECTRICITY
 RT PARTICLE ACCELERATOR
 COMPONENTS
 PARTICLE ACCELERATOR
 TECHNIQUES
 PARTICLE BEAMS
ALTIMETERS
 UF Aneroid chambers
 BT HEIGHT FINDING
 NT RADIO ALTIMETERS
 RT BAROMETERS
 CLOUD HEIGHT INDICATORS
 FLIGHT INSTRUMENTS
 HYPSONETERS
 POSITION FINDING
 RATE-OF-CLIMB INDICATORS
ALTITUDE
 NT HIGH ALTITUDE
 LOW ALTITUDE
Altitude adaptation
 USE ADAPTATION (PHYSIOLOGY)
 AND HIGH-ALTITUDE
ALTITUDE CHAMBERS
 BT TEST FACILITIES
 RT AERONAUTICAL LABORATORIES
 HIGH-ALTITUDE
Altitude suits
 USE PRESSURE SUITS
ALUMINUM
 BT GROUP III ELEMENTS
 METALS
ALUMINUM ALLOYS
 BT ALLOYS
ALUMINUM COATINGS
 BT COATINGS
 FINISHES & FINISHING
 METAL COATINGS

ALUMINUM COMPOUNDS
 BT CHEMICAL COMPOUNDS

AMBULANCES
 BT PASSENGER VEHICLES
 VEHICLES
 RT CRASH VEHICLES

Amidomycin
 USE ANTIBIOTICS

AMINO ACIDS
 RT PROTEINS
 PROTEINS (CONJUGATED)

Aminobenzolic acid (Para)
 USE VITAMIN B COMPLEX

Aminopurines
 USE PURINES

Amitsur-Levitski theorem
 USE ALGEBRAIC TOPOLOGY

AMMETERS
Ammunition hoists
 USE HOISTS

AMPHETAMINES
 UF Benzadrine sulfate
 Desoxyephedrine
 Dextro-amphetamine sulfate
 Methamphetamine
 Paredrine
 Pervitin

BT AUTONOMIC AGENTS
 CNS STIMULANTS
 SYMPATHOMIMETIC AGENTS

RT VASOACTIVE AGENTS

AMPHIBIAN PLANES
 BT AIRCRAFT
 AIRPLANES
 WATER-BASED AIRPLANES

RT FLYING BOATS
 JET PLANES
 SEAPLANES

Amphibious drones
 USE DRONES

AMPLIFIERS
 UF Linear amplifiers
 NT AUDIO AMPLIFIERS
 BACKWARD-WAVE AMPLIFIERS
 BAND-PASS AMPLIFIERS
 FEEDBACK AMPLIFIERS
 INTERMEDIATE FREQUENCY
 AMPLIFIERS
 IRASERS
 LASERS
 MAGNETIC AMPLIFIERS
 MASERS
 MICROWAVE AMPLIFIERS
 PARAMETRIC AMPLIFIERS
 PHOTOMULTIPLIERS
 POWER AMPLIFIERS
 PREAMPLIFIERS
 PUSH-PULL AMPLIFIERS
 RADIOFREQUENCY AMPLIFIERS
 SERVO AMPLIFIERS
 TRANSISTOR AMPLIFIERS
 TUNED AMPLIFIERS
 VIDEO AMPLIFIERS
 VOLTAGE AMPLIFIERS

AMPLITUDE MODULATION
 BT MODULATION
 RT FREQUENCY MODULATION
 PHASE MODULATION
 PULSE MODULATION
 SIDEBANDS

Amylodosis
 USE METABOLISM DISORDERS

Anaerobic spores
 USE SPORES

Analeptics
 USE CNS STIMULANTS

ANALOG COMPUTERS
 UF Differential analyzers
 BT COMPUTERS
 RT DIGITAL COMPUTERS
 SPECIAL PURPOSE COMPUTERS

ANALOG SYSTEMS
 RT DIGITAL SYSTEMS

ANALOG-DIGITAL COMPUTERS
 UF Hybrid computers
 BT COMPUTERS
 RT DIGITAL COMPUTERS
 SPECIAL PURPOSE COMPUTERS

ANALOG-TO-DIGITAL CONVERTERS
 BT INPUT-OUTPUT DEVICES
 RT DIGITAL-TO-ANALOG
 CONVERTERS

ANALYSIS
ANALYSIS OF VARIANCE
 UF Variance analysis
 RT STATISTICAL ANALYSIS

Analytic functions
 USE FUNCTIONS

Anaphylactic shock
 USE ALLERGY

ANATOMY
 RT ANTHROPOMETRY
 BODY
 GASTROINTESTINAL SYSTEM
 NERVOUS SYSTEM
 PHYSIOLOGY

Anchor bolts
 USE ANCHORS (STRUCTURAL)

Anchor plates
 USE ANCHORS (STRUCTURAL)

ANCHORS (STRUCTURAL)
 UF Anchor bolts
 Anchor plates
 Ground anchors
 Guy stakes
 Sisks

BT STRUCTURAL PARTS
 RT MOUNTING BRACKETS

ANECHOIC CHAMBERS
 BT ACOUSTIC EQUIPMENT
 RT ACOUSTICS

ANEMOMETERS
 UF Glow anemometers
 Hot-wire anemometers
 Leakage current anemometers
 Wind gages

BT METEOROLOGICAL
 INSTRUMENTS
 METERS

RT VERTICAL-GUST RECORDERS
 WIND-DIRECTION INDICATORS

Aneroid chambers
 USE ALTIMETERS

ANESTHESIA
 UF Narcosis
 RT HYPOTHERMIA

ANESTHETICS
(Agents that produce local or general insensibility to pain, touch, or other stimuli. General anesthetics produce loss of all consciousness. For agents that relieve pain before producing unconsciousness, see NARCOTICS. For agents that affect specific sensory nerves, see LOCAL ANESTHETICS.)
 BT CNS DEPRESSANTS
 RT HYPOTHERMIA

Angle of approach indicators
 USE GLIDE PATH
 and LANDING AIDS

ANGLE OF ARRIVAL
 RT ELECTROMAGNETIC WAVES
 MICROWAVE COMMUNICATION
 SYSTEMS
 RADIO RECEPTION

ANGLE OF ATTACK
 UF Angle of attack indicators
 RT DRAG
 TRIM

Angle of attack indicators
 USE ANGLE OF ATTACK
 and ATTITUDE INDICATORS

Angular momentum
 USE MOMENTUM

ANIMALS
(General studies of the kingdom. Animals or of species not specifically represented.)
 NT BIRDS
 CRUSTACEA
 DOGS
 LABORATORY ANIMALS
 MAMMALS
 MAN
 MICE
 PRIMATES
 RATS
 RODENTS
 SWINE

RT HIBERNATION
 MICROORGANISMS

Anisokonia
 USE VISION

ANISOTROPY
 BT SYMMETRY
 (CRYSTALLOGRAPHY)

RT CRYSTAL STRUCTURE

ANNULAR NOZZLES
 BT NOZZLES
 ROCKET MOTOR NOZZLES

Annular wings
 USE PING WINGS

ANODES
 BT ELECTRODES
 RT CATHODES

ANODES (ELECTROLYTIC CELL)
 BT BATTERIES & COMPONENTS
 ELECTRODES

Anoxia
 USE HYPOXIA

Antarctic regions
 USE POLAR REGIONS

Antenna arrays
 USE ANTENNA CONFIGURATIONS

ANTENNA COMPONENTS
(Circuits, devices, and hardware for all types of antennas.)
 UF Antenna couplers
 Antenna filters

NT ANTENNA FEEDS
 ANTENNA MASTS
 RT ANTENNAS

ANTENNA CONFIGURATIONS
(Antennas distinguished by special design characteristics.)
 UF Antenna arrays
 BT ANTENNAS
 NT CONICAL ANTENNAS
 COUPLED ANTENNAS
 DIPOLE ANTENNAS
 HELICAL ANTENNAS
 HORN ANTENNAS
 LENS ANTENNAS
 LOOP ANTENNAS
 OMNIDIRECTIONAL ANTENNAS
 PARABOLIC ANTENNAS
 SLOT ANTENNAS
 SPIRAL ANTENNAS

Antenna couplers
 USE ANTENNA COMPONENTS

ANTENNA FEEDS
 UF Antenna horns
 Horns (Antenna)

BT ANTENNA COMPONENTS
 RT ANTENNA MASTS
 TRANSMISSION LINES

Antenna filters
 USE ANTENNA COMPONENTS
 and BAND-PASS FILTERS

Antenna gain
 USE GAIN

Antenna horns
 USE ANTENNA FEEDS

ANTENNA LOBES
 UF Lobing
 Side lobe suppressors

BT ANTENNA RADIATION PATTERNS

ANTENNA MASTS
 BT ANTENNA COMPONENTS
 RT ANTENNA FEEDS

ANTENNA RADIATION PATTERNS
 NT ANTENNA LOBES
 RT ELECTROMAGNETIC LENSES

ANTENNA SIMULATORS
 BT SIMULATION

ANTENNAS
 UF Direction finding antennas
 Wideband antennas

NT AIRPLANE ANTENNAS
 ANTENNA CONFIGURATIONS
 CONICAL ANTENNAS
 COUPLED ANTENNAS
 DIPOLE ANTENNAS
 GROUND VEHICLE ANTENNAS
 HELICAL ANTENNAS
 HORN ANTENNAS
 LENS ANTENNAS
 LOOP ANTENNAS
 OMNIDIRECTIONAL ANTENNAS
 PARABOLIC ANTENNAS
 RADAR ANTENNAS
 SATELLITE ANTENNAS
 SLOT ANTENNAS
 SPIRAL ANTENNAS
 TELEVISION ANTENNAS

RT ANTENNA COMPONENTS

Anthropological data
 USE ANTHROPOLOGY

ANTHROPOLOGY
 UF Anthropological data
 Ethnology

NT ANTHROPOMETRY
 RT SOCIOLOGY

ANTHROPOMETRY
(Science of measuring the human body and its parts and functional capacities.)
 BT ANTHROPOLOGY
 RT ANATOMY
 BODY
 MAN

Anti-collision
 USE COLLISION AVOIDANCE

Antiacceleration suits
 USE PRESSURE SUITS

ANTI-AIRCRAFT DEFENSE SYSTEMS
 UF Blackout systems
 BT DEFENSE SYSTEMS
 RT CIVIL DEFENSE SYSTEMS
 EARLY WARNING SYSTEMS

ANTIBIOTICS
 UF Amidomycin
 Fungistatin
 Prodigiosin

RT DRUGS

Antiblackout suits
 USE PRESSURE SUITS

ANTICYCLONES
 BT METEOROLOGICAL PHENOMENA
 RT CYCLONES

ANTIEMETICS
 UF Antinauseants
 RT ANTIHISTAMINICS
 ANTIMOTION SICKNESS AGENTS
 DRUGS
 EMESIS
 MOTION SICKNESS

ANTIFERROMAGNETISM
 BT MAGNETISM
 RT FERROMAGNETISM

ANTIFOGGING AGENTS
 RT PROTECTIVE TREATMENTS

ANTIFOULING COATINGS
 UF Antifouling paints
 BT COATINGS
 FINISHES & FINISHING
 PROTECTIVE TREATMENTS

Antifouling paints
 USE ANTIFOULING COATINGS

ANTIFRICTION BEARINGS
(Roller support bearings that do not encircle the shaft.)
 UF Rolling contact bearings

BT BEARINGS
 NT BALL BEARINGS
 ROLLER BEARINGS

RT GAS BEARINGS

ANTIGEN-ANTIBODY REACTIONS
 UF Sensitization
 RT ALLERGY

ANTIHISTAMINICS
 UF Histamine antagonists
 RT ANTIEMETICS
 ANTIMOTION SICKNESS AGENTS
 CNS DEPRESSANTS
 DRUGS

Antihypertensive agents
 USE VASOACTIVE AGENTS

Antiinvasion alarms
 USE WARNING SYSTEMS

ANTIMOTION SICKNESS AGENTS
 RT ANTIEMETICS
 ANTIHISTAMINICS
 AUTONOMIC AGENTS
 DRUGS

Antinauseants
 USE ANTIEMETICS

ANTIOXIDANTS
 UF Inhibitors (Oxidation)
 Oxidation inhibitors

BT ADDITIVES

Antipest impregnants
 USE PESTICIDES

Antiradiation agents
 USE Radio protective agents
 and RADIOPROTECTIVE AGENTS

ANTIRAIN AGENTS
 RT COATINGS
 PROTECTIVE TREATMENTS

ANTISUBMARINE AIRCRAFT
(All types of aircraft, including airships, bombers, drones, and helicopters, for use against submarines.)
 BT AIRCRAFT
 RT AIRPLANES

Antitoxins**THESAURUS OF FAA DESCRIPTORS**

- Antitoxins**
USE TOXINS AND ANTITOXINS
- ANXIETY**
BT EMOTIONS
RT ABNORMAL PSYCHOLOGY
FEAR
PSYCHIATRY
PSYCHOLOGY
REACTION (PSYCHOLOGY)
STRESS (PSYCHOLOGY)
- AORTA**
BT ARTERIES
BLOOD VESSELS
CARDIOVASCULAR SYSTEM
RT BLOOD
HEART
- APPLIED PSYCHOLOGY**
(The science or art of securing desired conduct in oneself or other by utilizing the physical, psychological, or social conditions as they relate to the individuals effectiveness in the desired conduct.)
UF Psychotechnology
BT PSYCHOLOGY
NT INDUSTRIAL PSYCHOLOGY
MILITARY PSYCHOLOGY
RT BEHAVIOR
HUMAN ENGINEERING
PSYCHOMETRICS
PSYCHOMOTOR TESTS
- APPROACH**
(Maneuvering of an aircraft into a position downwind of the airfield in order to line-up with the runway prior to touchdown.)
UF Final approach
Initial approach
BT FLIGHT
NT FLAREOUT
RT DESCENT
FLIGHT PATHS
GLIDE PATH
LANDING
MISSED APPROACH
- Approach control**
USE ATC TERMINAL AREA
- APPROACH INDICATORS**
BT LANDING AIDS
- APPROACH LIGHTS**
BT LANDING AIDS
MARKER LIGHTS
TERMINAL FLIGHT FACILITIES
RT BEACON LIGHTS
LANDING MATS
NAVIGATIONAL LIGHTS
SIGNAL LIGHTS
STROBE LIGHTS
- Approximate computation**
USE NUMERICAL ANALYSIS
- APRONS**
UF Airport aprons
Holding aprons
Loading aprons
Parking aprons
Warm-up aprons
BT TERMINAL FLIGHT FACILITIES
RT AIRPORTS
RUNWAYS
TAXIWAYS
- APTITUDE TESTS**
UF Vocational tests
BT PSYCHOLOGY
PSYCHOMETRICS
RT INDUSTRIAL PSYCHOLOGY
INTELLIGENCE TESTS
PSYCHOMOTOR TESTS
- Aqualung**
USE BREATHING APPARATUS
- Aqualung**
USE HYDROPLANING
- Arboriculture**
USE FORESTRY
- ARC WELDING**
BT THERMAL JOINING
WELDS
- Arctic regions**
USE POLAR REGIONS
- Arctic tests**
USE COLD WEATHER TESTS
- Area rule**
USE DRAG
and REDUCTION
- AREA SUCTION**
BT FLUID DYNAMIC PROPERTIES
- RT BOUNDARY LAYER
BOUNDARY LAYER CONTROL
BOUNDARY LAYER TRANSITION
DRAG
LIFT
TURBULENCE
- ARGON**
BT HELIUM GROUP GASES
NON-METALS
- ARMAMENT**
RT WEAPONS
- ARMED FORCES (UNITED STATES)**
BT MILITARY ORGANIZATIONS
NT AIR DEFENSE COMMAND
AIR FORCE
AIR FORCE LOGISTICS COMMAND
AIR FORCE SYSTEM COMMAND
ARMY
NAVY
STRATEGIC AIR COMMAND
COAST GUARD
DEPARTMENT OF DEFENSE
- ARMED FORCES BUDGETS**
UF Air force budgets
Army budgets
Military budgets
Naval budgets
BT BUDGETS
LOGISTICS
RT ARMED FORCES PROCUREMENT
ARMY PROCUREMENT
FEDERAL BUDGETS
NAVAL PROCUREMENT
- ARMED FORCES OPERATIONS**
UF Military operations
NT AIR FORCE OPERATIONS
AIR-DROP OPERATIONS
ARMY OPERATIONS
NAVAL OPERATIONS
RT ARMED FORCES
TRANSPORTATION
LOGISTICS
WARFARE
- ARMED FORCES PROCUREMENT**
BT GOVERNMENT PROCUREMENT
LOGISTICS
PROCUREMENT
NT AIR FORCE PROCUREMENT
ARMY PROCUREMENT
NAVAL PROCUREMENT
RT ARMED FORCES BUDGETS
ARMED FORCES SUPPLIES
MAINTENANCE
SUPPLY DEPOTS
- ARMED FORCES RESEARCH**
NT AIR FORCE RESEARCH
RT ENGINEERING
INDUSTRIAL RESEARCH
MEDICAL RESEARCH
OPERATIONS RESEARCH
RESEARCH PROGRAM
ADMINISTRATION
SCIENTIFIC ORGANIZATIONS
SCIENTIFIC RESEARCH
- ARMED FORCES SUPPLIES**
(Expendable items for military use.)
UF Air Force supplies
Military supplies
Naval supplies
BT LOGISTICS
RT ARMED FORCES PROCUREMENT
ARMY PROCUREMENT
NAVAL EQUIPMENT
NAVAL PROCUREMENT
POWER SUPPLIES
SUPPLY DEPOTS
- ARMED FORCES TRANSPORTATION**
UF Military transportation
Naval transportation
BT LOGISTICS
TRANSPORTATION
RT AIR FORCE OPERATIONS
AIR TRANSPORTATION
ARMED FORCES OPERATIONS
NAVAL OPERATIONS
- ARMED FORCES (UNITED STATES)**
NT AIR FORCE LOGISTICS COMMAND
NAVY
- ARMS**
UF Fingers
Hands
Shoulder
BT BODY
EXTREMITIES
- RT LEGS
- ARMY**
UF Army department
BT ARMED FORCES (UNITED STATES)
MILITARY ORGANIZATIONS
RT DEPARTMENT OF DEFENSE
- ARMY AIRCRAFT**
BT AIRCRAFT
RT AIRPLANES
- Army budgets**
USE ARMED FORCES BUDGETS
- Army department**
USE ARMY
- Army depots**
USE SUPPLY DEPOTS
- ARMY EQUIPMENT**
BT LOGISTICS
- Army logistics**
USE LOGISTICS
- ARMY OPERATIONS**
BT ARMED FORCES OPERATIONS
RT LOGISTICS
- ARMY PROCUREMENT**
BT ARMED FORCES PROCUREMENT
GOVERNMENT PROCUREMENT
LOGISTICS
PROCUREMENT
RT ARMED FORCES BUDGETS
ARMED FORCES SUPPLIES
SUPPLY DEPOTS
- ARRESTING GEAR**
BT LANDING AIDS
RT MARINE SAFETY EQUIPMENT
- ARRHYTHMIA**
UF Ventricular fibrillation
RT HEART
- Arrival control**
USE ATC TERMINAL AREA
- Arrow wings**
USE DELTA WINGS
- ARSENIDES**
BT CHEMICAL COMPOUNDS
- Artcc**
USE AIR ROUTE TRAFFIC CONTROL
CENTERS
- Arterenol**
USE LEVARTERENOL
- ARTERIES**
UF Carotid sinus
BT BLOOD VESSELS
CARDIOVASCULAR SYSTEM
NT AORTA
RT ATHEROSCLEROSIS
VEINS
- Atherosclerosis**
USE ATHEROSCLEROSIS
- Artificial horizon**
USE HORIZONTAL INDICATORS
- ARTIFICIAL INTELLIGENCE**
BT BIONICS
RT CYBERNETICS
PATTERN RECOGNITION
- ARTIFICIAL PRECIPITATION**
UF Cloud seeding
RT ATMOSPHERIC PRECIPITATION
- ARTIFICIAL RESPIRATION**
UF Resuscitation
RT RESPIRATION
- Artillery shells**
USE PROJECTILES
- ASBESTOS**
BT FIBERS
MINERAL PRODUCTS
RT CERAMIC FIBERS
ELECTRIC INSULATION
FIBERS (SYNTHETIC)
FIRE-RESISTANT TEXTILES
THERMAL INSULATION
- ASCENT TRAJECTORIES**
(Initial trajectories of vehicles from their launching points to the point of injection into orbit. Also, ascent through the earth, atmosphere.)
BT TRAJECTORIES
- Asp**
USE AEROSPACE PLANES
- ASPECT RATIO**
RT AERODYNAMIC CONFIGURATIONS
- ASPHALT**
UF Asphaltite
BT ORGANIC MATERIALS
RT PAVEMENTS
- ASPHALTITE**
USE ASPHALT
- Asthma**
USE ALLERGY
- Astro communication**
USE SPACE COMMUNICATION
SYSTEMS
- Astrobiology**
USE SPACE BIOLOGY
- Astrocytes**
USE NERVE CELLS
- ASTRONAUTS**
UF Cosmonauts
BT AVIATION PERSONNEL
- ASTRONOMY**
NT ASTROPHYSICS
RADIO ASTRONOMY
- ASTROPHYSICS**
BT ASTRONOMY
- Asymptotic expansion**
USE SERIES
- Asymptotic series**
USE SERIES
- Ataraxics**
USE TRANQUILIZERS
- ATC ENROUTE**
UF ATC transition area
BT AIR TRAFFIC CONTROL SYSTEMS
RT AIR ROUTE TRAFFIC CONTROL
AIR ROUTES
AIRWAYS
ALL-WEATHER AVIATION
ATC TERMINAL AREA
AVIATION SAFETY
POSITIVE CONTROL
- ATC TERMINAL AREA**
UF Approach control
Arrival control
Departure control
Sector control
RT AIR ROUTE TRAFFIC CONTROL
CENTERS
AIRPORT CONTROL TOWERS
AIRPORT RADAR SYSTEMS
AIRPORT SURFACE TRAFFIC
AIRWAYS
ALL-WEATHER AVIATION
ATC ENROUTE
HOLDING PATTERNS
MISSED APPROACH
POSITIVE CONTROL
RADAR HANDOFF
TERMINAL FLIGHT FACILITIES
- ATC TERMINAL AREAS**
UF Sector control
- ATCC**
USE AIR ROUTE TRAFFIC CONTROL
CENTERS
- Atelectasis**
USE LUNGS
- ATHEROSCLEROSIS**
UF Atherosclerosis
BT DISEASES
METABOLISM DISORDERS
RT ARTERIES
CHOLESTEROL
- ATMOSPHERE**
UF Atmospheric moisture content
NT IONOSPHERE
STRATOSPHERE
TROPopause
TROPOSPHERE
UPPER ATMOSPHERE
RT AIR
INTERFERENCE
- ATMOSPHERE ENTRY**
UF Atmosphere re-entry
Re-entry
Re-entry aerodynamics
RT AERODYNAMIC HEATING
- ATMOSPHERE MODELS**
BT MODELS (SIMULATIONS)
RT CLIMATOLOGY
WEATHER FORECASTING
- Atmosphere re-entry**
USE ATMOSPHERE ENTRY
- ATMOSPHERIC CONDENSATION**
BT METEOROLOGICAL PHENOMENA
NT CLOUDS
FOG
HAIL
ICE FOG
RAINDROPS
SNOW
RT HAZE

ATMOSPHERIC CONDENSATION (Con.)

HUMIDITY
ICE
WATER
WATER VAPOR
ATMOSPHERIC ELECTRICITY
BT ELECTRICITY
METEOROLOGICAL PHENOMENA
NT ATMOSPHERICS
LIGHTNING
RT PRECIPITATION STATIC
RADIOFREQUENCY
INTERFERENCE
STATIC ELECTRICITY
Atmospheric moisture content
USE ATMOSPHERE
and HUMIDITY
ATMOSPHERIC MOTION
(Movements of air masses in the earth's atmosphere, especially large-scale circulation patterns)
UF Atmospheric turbulence
Planetary circulation
BT METEOROLOGICAL PHENOMENA
NT ATMOSPHERIC TIDES
CLEAR AIR TURBULENCE
CONVECTION
GUSTS
JET STREAMS (METEOROLOGY)
SEA BREEZE
STORMS
TORNADOES
TROPICAL CYCLONES
WIND
RT TURBULENCE
ATMOSPHERIC POLLUTION
RT AEROBIOLOGY
CONTAMINATION
GAS ANALYSIS
HAZE
METEOROLOGICAL PHENOMENA
POLLEN
RADIOACTIVE FALLOUT
SMOKES
WASTE GASES
WASTES (INDUSTRIAL)
ATMOSPHERIC PRECIPITATION
(Natural precipitation in the meteorological sense)
UF Precipitation (Atmospheric)
BT METEOROLOGICAL PARAMETERS
NT HAIL
RAINDROPS
RAINFALL
SNOW
RT ARTIFICIAL PRECIPITATION
CONDENSATION
Atmospheric pressure
USE BAROMETRIC PRESSURE
ATMOSPHERIC REFRACTION
(Refraction phenomena observed in light originating from a source outside the earth's atmosphere)
UF Rainbows
BT METEOROLOGICAL PHENOMENA
OPTICAL PROPERTIES
REFRACTION
RT LIGHT TRANSMISSION
REFRACTIVE INDEX
VISIBILITY
ATMOSPHERIC SOUNDING
UF Ionospheric sounding
BT METEOROLOGY
RT RADIOSONDES
ATMOSPHERIC TEMPERATURE
BT METEOROLOGICAL PARAMETERS
TEMPERATURE
ATMOSPHERIC TIDES
UF Tides (Atmospheric)
BT ATMOSPHERIC MOTION
Atmospheric turbulence
USE ATMOSPHERIC MOTION
and TURBULENCE
ATMOSPHERICS
(Disturbances produced in electronic communications dev. by atmospheric electrical phenomena)
UF Dawn chorus
Sterics
BT ATMOSPHERIC ELECTRICITY
ELECTRICITY
METEOROLOGICAL PHENOMENA
RT PRECIPITATION STATIC
RADAR INTERFERENCE
RADIO INTERFERENCE
RADIOFREQUENCY
INTERFERENCE

STATIC ELECTRICITY
Atomic bomb damage
USE NUCLEAR EXPLOSION DAMAGE
Atomic bomb tests
USE NUCLEAR EXPLOSIONS
ATOMIC CLOUDS
RT NUCLEAR EXPLOSIONS
Atomic energy
USE NUCLEAR ENERGY
Atomic energy plants
USE NUCLEAR POWER PLANTS
Atomic piles
USE NUCLEAR REACTORS
Atomic power plants
USE NUCLEAR POWER PLANTS
Atomic reactors
USE NUCLEAR REACTORS
Atomic transmutation
USE NUCLEAR REACTIONS
Atomic warfare
USE NUCLEAR WARFARE
ATOMIZATION
(Conversion of a liquid or solid to a fine spray, minute particles, or light dust)
UF Nebulization
RT AEROSOLS
SPRAYS
ATP
USE ADENOSINE PHOSPHATES
Atropine tolerance
USE TOXIC TOLERANCES
ATTACHMENT
ATTACK BOMBERS
BT AIRCRAFT
AIRPLANES
BOMBERS
RT FIGHTERS
JET BOMBERS
ATTENTION
UF Alertness
Vigilance
BT BEHAVIOR
RT PSYCHOLOGY
ATTENUATION
UF Electromagnetic absorption
Fading
RT ABSORPTION
PROPAGATION
ATTENUATORS
ATTITUDE CONTROL SYSTEMS
(The part of the flight control system that directs and maintains the desired attitude of an aircraft or spacecraft)
BT FLIGHT CONTROL SYSTEMS
NT HORIZON SCANNERS
TRIM TABS
RT AUTOMATIC PILOTS
THRUST VECTOR CONTROL
SYSTEMS
ATTITUDE INDICATORS
UF Airstream direction detectors
Angle of attack indicators
Flight altitude indicators
Rotor-altitude indicators
Turn-and-bank indicators
BT FLIGHT INSTRUMENTS
NT HORIZONTAL INDICATORS
VERTICAL INDICATORS
YAWMETERS
RT DIRECTION FINDING
RATE-OF-CLIMB INDICATORS
ATTITUDES
RT GROUP DYNAMICS
LEADERSHIP
PSYCHOLOGY
AUDIO AMPLIFIERS
UF Audiofrequency amplifiers
BT AMPLIFIERS
AUDIOFREQUENCY
(15 to 20,000 cps)
UF AF (Frequency)
Audiofrequency cables
Audiofrequency filters
BT FREQUENCY
Audiofrequency amplifiers
USE AUDIO AMPLIFIERS
Audiofrequency cables
USE Audiofrequency
and ELECTRIC CABLES
Audiofrequency filters
USE AUDIOFREQUENCY
and BAND-PASS FILTERS

Audiometers
USE AUDIOMETRY
AUDIOMETRY
(The measurement and testing of hearing acuity for variations in sound intensity and pitch and for tonal purity)
UF Audiometers
Auditory acuity
RT HEARING
PERCEPTION
Auditory acuity
USE AUDIOMETRY
Auditory illusions
USE HEARING
and ILLUSIONS
AUDITORY NERVE
BT NERVES
NERVOUS SYSTEM
RT AUTONOMIC NERVOUS SYSTEM
EAR
Auditory perception
USE HEARING
Auditory thresholds
USE HEARING
and THRESHOLDS (PHYSIOLOGY)
Augers
USE DRILLS
AURORAE
RT SKY BRIGHTNESS
TERRESTRIAL MAGNETISM
VAN ALLEN RADIATION BELT
Autocorrelation functions
USE STATISTICAL FUNCTIONS
Autocorrelators
USE CORRELATORS
Autocovariance functions
USE STATISTICAL FUNCTIONS
AUTOGYRO ROTORS
BT AERODYNAMIC CONFIGURATIONS
WINGS
Autogyro rotor blades
USE ROTOR BLADES (ROTARY WINGS)
AUTOGYRO ROTORS
BT AERODYNAMIC CONFIGURATIONS
ROTARY WINGS
WINGS
RT ROTOR BLADES (ROTARY WINGS)
AUTOGYROS
BT AIRCRAFT
RT AIRPLANES
CONVERTIBLE AIRPLANES
FLYING PLATFORMS
HELICOPTERS
SHORT TAKE-OFF PLANES
VERTICAL TAKE-OFF PLANES
AUTOIGNITION
(Spontaneous ignition of fuels or propellants owing to high engine temperatures, chemical impurities, etc.)
UF Preignition
Self-ignition
BT IGNITION
Autokinesis
USE MOTION
AUTOMATIC FREQUENCY CONTROL
UF Afc
RT AUTOMATIC GAIN CONTROL
FREQUENCY STABILIZERS
AUTOMATIC GAIN CONTROL
UF AGC (Electronics)
Automatic volume control
AVC
RT AUTOMATIC FREQUENCY CONTROL
AUTOMATIC LANDING SYSTEMS
BT INSTRUMENT LANDINGS
LANDING
RT AUTOMATIC PILOTS
AUTOMATIC NAVIGATORS
(Devices for determining the position or altering the course of aircraft, missiles, etc. on the basis of externally generated information)
BT GUIDANCE
RT CORRELATION TECHNIQUES
NAVIGATION
NAVIGATION COMPUTERS
POSITION FINDING
TERMINAL GUIDANCE SYSTEMS

AUTOMATIC PILOTS
(Devices for maintaining a predetermined course or flight attitude for an aircraft, missile, etc.)
UF Autopilots
RT ATTITUDE CONTROL SYSTEMS
Automatic translation
USE MACHINE TRANSLATION
Automatic volume control
USE AUTOMATIC GAIN CONTROL
AUTOMATION
Automobiles
USE PASSENGER VEHICLES
AUTONOMIC AGENTS
(Drugs that act peripherally, not on autonomic nerves, but directly on muscle and gland cells.)
UF Ganglionic blocking agents
NT AMPHETAMINES
EPINEPHRINE
SYMPATHOMIMETIC AGENTS
RT ADRENAL MEDULLA HORMONES
ANTIMOTION SICKNESS AGENTS
CNS DEPRESSANTS
CNS STIMULANTS
DRUGS
LEVARTEREMOL
VASOACTIVE AGENTS
AUTONOMIC NERVOUS SYSTEM
UF Adrenergic nerves
Cholinergic nerves
Parasympathetic nervous system
Sympathetic nervous system
BT CENTRAL NERVOUS SYSTEM
NERVES
NERVOUS SYSTEM
RT AUDITORY NERVE
BRAIN
NERVE CELLS
SENSE ORGANS
SPINAL CORD
Autopilots
USE AUTOMATIC PILOTS
Autoprecession
USE FLUTTER
AUTOROTATION
(Free rotation of helicopter rotor blades without power)
BT FLIGHT
Autosyncs
USE SYNCHROS
Auxiliary brakes
USE BRAKES
AUXILIARY POWER PLANTS
(Systems for generating power that is not applied to the propulsion of vehicle, but is used to operate peripheral equipment.)
UF Power plants (Auxiliary)
RT POWER PLANTS (AIRCRAFT)
Availability
USE ABUNDANCE
AVC
USE AUTOMATIC GAIN CONTROL
Aves
USE BIRDS
Aviation
USE AERONAUTICS
AVIATION ACCIDENTS
UF Aircraft accidents
Airplane accidents
BT ACCIDENTS
RT ACCIDENT INVESTIGATION
AIRCRAFT FIRES
AVIATION INJURIES
AVIATION SAFETY
COLLISION AVOIDANCE
COLLISIONS
CRASH TESTING
DITCHING
INGESTION (ENGINES)
Aviation deafness
USE DEAFNESS
AVIATION FUELS
(Fuels for reciprocating engine aircraft)
UF High octane gasoline
BT FUELS
RT JET ENGINE FUELS
AVIATION INJURIES
BT WOUNDS & INJURIES
RT ACCIDENT INVESTIGATION
AIRCRAFT FIRES
AVIATION ACCIDENTS
AVIATION SAFETY
COLLISIONS

AVIATION MEDICINE
 UF Aviation psychology
 BT MEDICINE
 RT SPACE MEDICINE

AVIATION PERSONNEL
 BT PERSONNEL
 NT AIR TRAFFIC CONTROLLERS
 ASTRONAUTS
 FLIGHT CREWS
 FLIGHT SERVICE SPECIALISTS
 FLIGHT SURGEONS
 NAVIGATORS
 PILOTS
 RT ENGINEERING PERSONNEL
 GUIDED MISSILE PERSONNEL
 INSTRUCTORS
 MAINTENANCE PERSONNEL
 MEDICAL PERSONNEL
 MILITARY PERSONNEL
 NAVAL PERSONNEL
 OPERATORS (PERSONNEL)
 PROFESSIONAL PERSONNEL
 RADAR OPERATORS
 RADIO OPERATORS
 SCIENTIFIC PERSONNEL

Aviation psychology
 USE AVIATION MEDICINE
 and PSYCHOLOGY

AVIATION SAFETY
 BT SAFETY
 NT AIRWORTHINESS
 CRASHWORTHINESS
 EMERGENCY PROCEDURES
 FAIL-SAFE
 RT ACCIDENT INVESTIGATION
 AIR TRAFFIC
 AIR TRAFFIC CONTROL SYSTEMS
 AIRCRAFT FIRES
 AIRPORT SURFACE TRAFFIC
 ALL-WEATHER AVIATION
 ATC ENROUTE
 AVIATION ACCIDENTS
 AVIATION INJURIES
 INGESTION (ENGINES)
 INSTRUMENT LANDINGS
 LANDING
 LANDING AIDS
 LANDING FIELDS
 PARACHUTES
 PILOT WARNING INDICATORS
 POSITIVE CONTROL
 TERMINAL FLIGHT FACILITIES

AWARDS

AXIAL-FLOW COMPRESSOR
BLADES
(Rotor and stator blades for axial-flow compressors.)
 BT COMPRESSOR BLADES
 RT COMPRESSOR ROTORS
 COMPRESSOR STATORS

AXIAL-FLOW COMPRESSORS
(Compressors that force the fluid in a straight line parallel to the axis of the rotating impeller.)
 BT COMPRESSORS
 RT CENTRIFUGAL COMPRESSORS
 ROTARY COMPRESSORS

AXIAL-FLOW FANS
(Fans generating fluid flow parallel to the axis of rotation of the blades.)
 BT FANS
 RT DUCTED FANS

AXIAL-FLOW TURBINE ROTORS
 RT GAS TURBINE ROTORS

AXIAL-FLOW TURBINES
(Turbines operated by the passage of a fluid parallel to the axis of rotation of the rotor.)
 BT TURBINES

AXIALLY SYMMETRIC FLOW
(Fluid flow parallel to an axis.)
 BT FLUID FLOW
 RT GAS FLOW
 JET MIXING FLOW
 TURBULENCE

Azons
 USE NERVE CELLS

AZIMUTH

B

Babies
 USE INFANTS

BACKGROUND
Background return
 USE RADAR CLUTTER

BACKWARD-WAVE AMPLIFIERS
 BT AMPLIFIERS
 RT BACKWARD-WAVE OSCILLATORS
 BACKWARD-WAVE TUBES

BACKWARD-WAVE OSCILLATORS
 BT OSCILLATORS
 RT BACKWARD-WAVE AMPLIFIERS

BACKWARD-WAVE TUBES
 BT ELECTRON TUBES
 TRAVELING-WAVE TUBES
 RT BACKWARD-WAVE AMPLIFIERS

BACTERIA
(Specific bacteria names are used in combination with DISEASES to describe specific diseases.)
 UF Bacteriology
 BT MICROORGANISMS
 NT ENTEROBACTERIACEAE
 KLEBSIELLA
 STREPTOCOCCUS
 RT FUNGI
 PLANTS (BOTANY)
 SPORES

Bacterial toxins
 USE TOXINS AND ANTITOXINS

Bacteriology
 USE BACTERIA

Baecklund transformations
 USE TRANSFORMATIONS
 (MATHEMATICS)

BAILOUT
 BT ABANDONMENT
 RT DITCHING

BALANCES
 UF Microbalances
 Quartz spring balances
 Scales
 Torsion balances

BALL BEARINGS
 BT ANTI-FRICTION BEARINGS
 BEARINGS
 RT AIRFRAME BEARINGS
 ROLLER BEARINGS

Ballistic galvanometers
 USE GALVANOMETERS

BALISTOCARDIOGRAPHY
 UF Vector ballistocardiography
 BT CARDIOGRAPHY
 RT DIAGNOSIS
 ELECTROCARDIOGRAPHY
 HEART

BALLOON EQUIPMENT
 RT AIRCRAFT EQUIPMENT
 BALLOONS
 GONDOLAS

BALLOONS
(Lighter-than-air craft having no means of propulsion.)
 BT AIRCRAFT
 INFLATABLE STRUCTURES
 NT METEOROLOGICAL BALLOONS
 RT AIRSHIPS
 BALLOON EQUIPMENT

Balsa wood
 USE WOOD

Banach space
 USE FUNCTIONAL ANALYSIS

BAND-PASS AMPLIFIERS
 UF Band-selective amplifiers
 BT AMPLIFIERS

BAND-PASS FILTERS
 UF Antenna filters
 Audiofrequency filters
 BT FILTERS (ELECTROMAGNETIC WAVE)
 RT CRYSTAL FILTERS

LOW-PASS FILTERS
 RADIOFREQUENCY FILTERS

Band-selective amplifiers
 USE BAND-PASS AMPLIFIERS

BANDWIDTH
 RT BROADBAND
 NARROWBAND

BARIUM COMPOUNDS
 BT CHEMICAL COMPOUNDS

BAROMETERS
 BT METEOROLOGICAL INSTRUMENTS
 METERS
 RT ALTIMETERS
 PRESSURE GAGES

BAROMETRIC PRESSURE
 UF Atmospheric pressure
 BT METEOROLOGICAL PARAMETERS

Bars
 USE RODS

Basic dead reckoning
 USE DEAD RECKONING

BATTERIES & COMPONENTS
 UF Bias batteries
 BT ELECTRICAL EQUIPMENT
 NT ANODES (ELECTROLYTIC CELL)
 FUEL CELLS
 SOLAR CELLS
 RT ELECTROLYTES

Battle damage
 USE DAMAGE

Battle shelters
 USE SHELTERS

Battles
 USE WARFARE

BEACON LIGHTS
 BT BEACONS
 MARKER LIGHTS
 RT APPROACH LIGHTS
 NAVIGATIONAL LIGHTS
 SIGNAL LIGHTS
 STROBE LIGHTS

BEACONS
(Devices that guide or orient, usually by means of visible or electronic signals.)
 NT AIR-SEA RESCUE BEACONS
 BEACON LIGHTS
 RADAR BEACONS
 RADIO BEACONS
 RESCUE BEACONS
 RT DIRECTION FINDING SIGNALS
 POSITION FINDING SIGNALS

Beam equations
 USE DIFFERENTIAL EQUATIONS

BEAMS (ELECTROMAGNETIC)
 BT ELECTROMAGNETIC WAVES
 NT RADIO BEAMS

Beams (Particle)
 USE PARTICLE BEAMS

BEAMS (STRUCTURAL)
 UF Girders
 NT BOX BEAMS
 CANTILEVER BEAMS
 WEB BEAMS
 RT GEOMETRIC FORMS
 STRUCTURAL PARTS

Bearing finding
 USE DIRECTION FINDING

BEARINGS
 NT AIRFRAME BEARINGS
 ANTI-FRICTION BEARINGS
 BALL BEARINGS
 GAS BEARINGS
 ROLLER BEARINGS

BEHAVIOR
 NT ADJUSTMENT (PSYCHOLOGY);
 ATTENTION
 CONDITIONED REFLEX
 GROUP DYNAMICS
 LEARNING
 REACTION (PSYCHOLOGY);
 VERBAL BEHAVIOR
 RT ABNORMAL PSYCHOLOGY
 APPLIED PSYCHOLOGY
 EMOTIONS
 HIBERNATION
 MEMORY
 MOTIVATION
 PERSONALITY
 PSYCHOLOGY
 REASONING

Bellman's search problem
 USE GAME THEORY

Bends (Physiology)
 USE DECOMPRESSION SICKNESS

Benzedrine sulfate
 USE AMPHETAMINES

Bernoulli distribution
 USE STATISTICAL DISTRIBUTIONS

Bernsteins approximation
 USE FUNCTIONAL ANALYSIS

BERYLLIUM
 BT GROUP II ELEMENTS
 METALS

BERYLLIUM COMPOUNDS

BESSEL FUNCTIONS

Bias batteries
 USE BATTERIES & COMPONENTS

BIBLIOGRAPHIES
 BT DOCUMENTATION
 RT CLASSIFICATION
 REPORTS

BICARBONATES
 RT CARBON COMPOUNDS

Binary sequences
 USE SEQUENCES

BINDERS
(Substances that produce cohesion or consistency in materials, thereby imparting desirable chemical or mechanical properties, especially as used in paints, propellants, or rubber. For substances used to join materials by adhering to their surfaces, see ADHESIVES.)
 RT PLASTICIZERS

Binet tests
 USE INTELLIGENCE TESTS

BINOCULARS
 BT OPTICAL EQUIPMENT

Binomial probability
 USE PROBABILITY

Bioastronautics
 USE SPACE BIOLOGY

Biochemical effects
 USE BIOCHEMISTRY

Biochemical tests
 USE BIOCHEMISTRY

Biochemistry
 UF Biochemical effects
 Biochemical tests
 Physiological chemistry
 BT CHEMISTRY
 NT BLOOD CHEMISTRY
 RT DIAGNOSIS

Biinstrumentation
 USE BIOLOGY
 and INSTRUMENTATION

BIOLOGICAL PRODUCTS
 NT TOXINS & ANTITOXINS

BIOLOGY
 UF Biinstrumentation
 NT AEROBIOLOGY
 GENETICS
 RADIOBIOLOGY
 SPACE BIOLOGY
 RT BIOPHYSICS
 SEX

Biometrics
 USE MATHEMATICAL ANALYSIS
 and MEDICAL RESEARCH

BIONICS
(Simulation of biological process by electronic equipment.)
 NT ARTIFICIAL INTELLIGENCE
 RT CYBERNETICS
 PATTERN RECOGNITION

BIOPHYSICS
(The application of physical methods and principles to biological problems.)
 NT RADIOBIOLOGY
 RT BIOLOGY
 PHYSICS

Biotechnology
 USE HUMAN ENGINEERING

Biotin
 USE VITAMIN B COMPLEX

Bird flight
 USE BIRDS
 and FLIGHT

Bird ingestion
 USE BIRDS
 and INGESTION (ENGINES)

Bird navigation
USE BIRDS
and NAVIGATION

BIRDS
UF Aves
Bird flight
Bird ingestion
Bird navigation
Fowl
BT ANIMALS

Birth and death process (Math)
USE STATISTICAL PROCESSES

BISMUTH COMPOUNDS

BITUMINOUS COATINGS
(Coatings of tar, asphalt, or similar materials)
BT COATINGS
FINISHES & FINISHING
ORGANIC COATINGS
RT SEALING COMPOUNDS

BLACKBODY RADIATION
(Radiation from a surface or body that is a complete radiator. For radiation that causes heating of materials it contacts, see THERMAL radiation. For radiation in the range 0.75 to 1,000 microns, see INFRARED RADIATION.)
BT ELECTROMAGNETIC WAVES
RT EMISSIVITY
INFRARED RADIATION

BLACKOUT (PHYSIOLOGY)
(Temporary loss of vision or consciousness owing to cessation of blood flow to the cranial cavity, caused by linear or centrifugal acceleration. For fainting from other causes, see SYNCOPE.)
RT ACCELERATION TOLERANCE
BLOOD PRESSURE
HYPOXIA
STRESS (PHYSIOLOGY)
SYNCOPE

Blackout systems
USE ANTI-AIRCRAFT DEFENSE SYSTEMS

BLADE AIRFOILS
BT AERODYNAMIC CONFIGURATIONS
AIRFOILS
RT LEADING EDGE
PROPELLER BLADES
ROTOR BLADES (ROTARY WINGS)

Blass method
USE NUMERICAL METHODS AND PROCEDURES

BLAST
UF Blast effects
BT EXPLOSION EFFECTS
RT SHOCK WAVES

Blast effects
USE BLAST

Blasting caps
USE DETONATORS

BLEED SYSTEMS

Bleeding
USE HEMORRHAGE

Blimps
USE AIRSHIPS

BLINDNESS
RT VISION

Block equation
USE PARTIAL DIFFERENTIAL EQUATIONS

Block designs
USE COMBINATORIAL ANALYSIS

BLOOD
UF Hemolymph
Hypozemia
BT BODY FLUIDS
NT BLOOD CELLS
BLOOD PLASMA
BLOOD SERUM
EOSINOPHILS
ERYTHROCYTES
LEUKOCYTES
LYMPHOCYTES
RT AORTA
BLOOD VESSELS
BODY
CARDIOVASCULAR SYSTEM
HEART
HEMATOLOGY
LYMPHATIC SYSTEM
PHYSIOLOGY
SPLEEN

TISSUES (BIOLOGY)

BLOOD CELLS
BT BLOOD
CELLS (BIOLOGY)
NT EOSINOPHILS
ERYTHROCYTES
LEUKOCYTES
LYMPHOCYTES
RT BLOOD COUNTS
HEMATOLOGY
HEMOGLOBIN
HEMOPOIETIC SYSTEM

BLOOD CHEMISTRY
BT BIOCHEMISTRY
CHEMISTRY

BLOOD CIRCULATION
UF Coronary circulation
Renal hemodynamics
RT CARDIOVASCULAR SYSTEM

Blood circulation insufficiency
USE SHOCK (PATHOLOGY)

BLOOD COUNTS
RT BLOOD CELLS
COUNTING METHODS
DIAGNOSIS
ERYTHROCYTES
LEUKOCYTES

BLOOD DISORDERS
UF Hemophilia
Hypercalcemia
Leukopenia
Polycythemia
BT DISEASES
NT LEUKEMIA

BLOOD GROUPS
UF Rh blood factor

BLOOD PLASMA
UF Plasma (Blood)
BT BLOOD
BODY FLUIDS
NT BLOOD SERUM

BLOOD PRESSURE
NT HYPERTENSION
HYPOTENSION
RT BLACKOUT (PHYSIOLOGY)
MANOMETERS

BLOOD PROTEINS
(Proteins made in the blood from amino acids and tissue proteins)
UF Plasma proteins
Serum proteins
BT PROTEINS
NT HEMOGLOBIN
RT PROTEINS (CONJUGATED)

BLOOD SERUM
(Blood plasma from which the fibrinogen has been removed.)
BT BLOOD
BLOOD PLASMA
BODY FLUIDS

BLOOD VESSELS
UF Cerebrovascular disease
BT CARDIOVASCULAR SYSTEM
NT AORTA
ARTERIES
VEINS
RT BLOOD
HEART

BLOOD VOLUME
UF Plasma volume
RT CARDIOVASCULAR SYSTEM

Bluff bodies
USE BLUNT BODIES

BLUNT BODIES
UF Bluff bodies
BT GEOMETRIC FORMS
RT BODIES OF REVOLUTION
CURVED PROFILES
HEMISPHERICAL SHELLS
PARABOLIC BODIES
SPHERES

BODIES OF REVOLUTION
BT GEOMETRIC FORMS
NT CONICAL BODIES
CYLINDRICAL BODIES
DISKS
ELLIPSOIDS
HEMISPHERICAL SHELLS
OGIVES
PARABOLIC BODIES
RINGS
SPHERES
STIFFENED CYLINDERS
RT BLUNT BODIES
CURVED PROFILES
STRUCTURAL SHELLS

BODY
UF Body surface
NT ABDOMEN
ARMS
EXTREMITIES
HEAD
LEGS
THORAX
RT ANATOMY
ANTHROPOMETRY
BLOOD
BODY FLUIDS
BODY WEIGHT
CARDIOVASCULAR SYSTEM
CELLS (BIOLOGY)
ENDOCRINE GLANDS
GASTROINTESTINAL SYSTEM
GLANDS
HEMOPOIETIC SYSTEM
INTEGUMENTARY SYSTEM
LYMPHATIC SYSTEM
MUSCULOSKELETAL SYSTEM
NERVOUS SYSTEM
PHYSIOLOGY
RESPIRATORY SYSTEM
SENSE ORGANS
TISSUES (BIOLOGY)

Body attitude
USE POSTURE

Body fats
USE LIPIDS

BODY FLUIDS
NT BLOOD
BLOOD PLASMA
BLOOD SERUM
URINE
RT BODY
ELECTROLYTES (PHYSIOLOGY)

Body surface
USE BODY

BODY TEMPERATURE
RT FEVERS
HEAT PRODUCTION (BIOLOGY)
HYPOTHERMIA
SHIVERING

BODY WEIGHT
RT BODY
OBESITY

Bogs
USE SWAMPS

BOLOMETERS
RT RESISTANCE THERMOMETERS
THERMOMETERS

BOLTED JOINTS
BT JOINTS
RT METAL JOINTS
RIVETED JOINTS

BOLTS
BT MECHANICAL FASTENERS
RT LOCKING FASTENER DEVICES

Boltzman H-functions
USE SPECIAL FUNCTIONS
(MATHEMATICAL)

Bolz problem
USE CALCULUS OF VARIATIONS

BOMB DETECTION

Bomb shelters
USE SHELTERS

BOMBERS
BT AIRCRAFT
AIRPLANES
NT ATTACK BOMBERS
JET BOMBERS
PATROL BOMBERS

BOMBING
NT STRATEGIC BOMBING
RT FIRE CONTROL SYSTEMS
PLOTING BOARDS

BOMBING COMPUTERS
UF Toss bombing computers
BT COMPUTERS
SPECIAL PURPOSE COMPUTERS
RT NAVIGATION COMPUTERS

Bombing aids
USE SURFACE TARGETS

BONDED JOINTS
BT JOINTS
RT METAL JOINTS
SOLDERED JOINTS

BONDING
(The holding together of parts as with adhesives or cements. Also the forces that hold parts together.)
UF Cementing
RT ADHESION
JOINTS

SURFACE PROPERTIES

BONE
UF Osteology
BT MUSCULOSKELETAL SYSTEM
TISSUES (BIOLOGY)
RT FRACTURES (BONE)
HEMOPOIETIC SYSTEM
JOINTS (PHYSIOLOGY)
SKELETON

Bone fractures
USE FRACTURES (BONE)

BONE MARROW
RT SPLEEN

Boolean functions
USE SPECIAL FUNCTIONS
(MATHEMATICAL)

Boolean lattices
USE ALGEBRA

Boolean relation matrices
USE MATRIX ALGEBRA

Boolean sums
USE ALGEBRA

Booms (Aircraft Equipment)
USE AERONAUTICAL BOOMS

BOOSTER ROCKETS
(Rocket motors that assist the normal propulsion systems of guided missiles, aerospace vehicles, etc. at some time during flight. For devices that supply the initial launching thrust of such vehicles, see LAUNCH VEHICLES (AEROSPACE))
BT ROCKET MOTORS
RT ROCKET PROPULSION
SOLAR ROCKETS

BORANES
BT BORON COMPOUNDS
CHEMICAL COMPOUNDS
NT PENTABORANES

Borel functions
USE SPECIAL FUNCTIONS
(MATHEMATICAL)

BORIDES

BOROHYDRIDES
BT CHEMICAL COMPOUNDS
RT BORON COMPOUNDS

BORON
BT GROUP III ELEMENTS
NON-METALS

BORON ALLOYS
BT ALLOYS

BORON COMPOUNDS
BT CHEMICAL COMPOUNDS
NT BORANES
PENTABORANES
RT BOROHYDRIDES

Botany
USE PLANTS (BOTANY)

BOUNDARY LAYER
BT FLUID DYNAMIC PROPERTIES
FLUID FLOW
NT LAMINAR BOUNDARY LAYER
TURBULENT BOUNDARY LAYER
RT AREA SUCTION
BOUNDARY LAYER TRANSITION
DRAG
FILM COOLING
FLUTTER
LIFT
SURFACE PROPERTIES
TURBULENCE

BOUNDARY LAYER CONTROL
RT AREA SUCTION
DRAG
FLUTTER
LAMINAR BOUNDARY LAYER
LIFT
SUCTION SLOTS
TURBULENCE

BOUNDARY LAYER CONTROL SYSTEMS
BT AIRCRAFT EQUIPMENT
FLIGHT CONTROL SYSTEMS
NT JET FLAPS
VORTEX GENERATORS
RT AERODYNAMIC CONTROL
SURFACES

BOUNDARY LAYER TRANSITION
(The transition from laminar to turbulent flow in a boundary layer.)
UF Transition (fluid flow)
BT FLUID DYNAMIC PROPERTIES
RT AREA SUCTION
BOUNDARY LAYER
DRAG
FLUTTER

BOUNDARY LAYER TRANSITION (Con.)
 LAMINAR BOUNDARY LAYER
 LIFT
 TURBULENCE
 TURBULENT BOUNDARY LAYER

BOUNDARY VALUE PROBLEMS
(Problems in the solution of differential equations which must meet given requirements for the values of the independent variable.)
 RT DIFFERENTIAL EQUATIONS

Bounded functions
 USE FUNCTIONS

Boussinesq-Papkovich stress funct.
 USE SPECIAL FUNCTIONS (MATHEMATICAL)

BOX BEAMS
 BT BEAMS (STRUCTURAL)
 RT CANTILEVER BEAMS
 WEB BEAMS

Boxes
 USE CONTAINERS

BRAIN
 UF Cerebrovascular disease
 Cerebrum
 BT CENTRAL NERVOUS SYSTEM
 NERVOUS SYSTEM
 NT CEREBRAL CORTEX
 RT AUTONOMIC NERVOUS SYSTEM
 ELECTROENCEPHALOGRAPHY
 HEAD
 NERVE CELLS
 NERVES
 SENSE ORGANS

BRAKES
 UF Auxiliary brakes
 Mechanical brakes
 Wheel brakes
 NT HYDRAULIC BRAKES
 PNEUMATIC BRAKES
 VEHICLE BRAKES
 WATER BRAKES
 RT AIR BRAKE FLAPS
 DRAG PARACHUTES
 VEHICLE CHASSIS COMPONENTS

BRASS
 BT ALLOYS
 COPPER ALLOYS

BRAZING
(The forming of heat-resistant metal joints by allowing melted alloys of copper, zinc, and silver to bind the members. For the similar joining process using tin-lead alloys to form joints much less resistant to heat, see SOLDERING.)
 BT THERMAL JOINING
 RT WELDING

Brazing alloys
 USE SILVER SOLDERS

Breathing
 USE RESPIRATION

BREATHING APPARATUS
(Apparatus that provides an oxygen supply or purifies available oxygen to permit breathing and usually to allow some freedom of movement in extreme environments, such as contaminated areas, high altitude, or underwater.)
 UF Aquating
 Scuba
 NT BREATHING MASKS
 OXYGEN MASKS
 RT OXYGEN EQUIPMENT
 PRESSURE BREATHING

BREATHING MASKS
(The part of the BREATHING APPARATUS that fits over the head and face, with special mechanisms to allow inhalation and exhalation.)
 BT BREATHING APPARATUS
 NT OXYGEN MASKS
 RT PROTECTIVE CLOTHING

BRIDGES
 UF Military bridges

Bricks
 USE ABSTRACTS

BRIGHTNESS
 BT OPTICAL PROPERTIES
 RT FLOORS
 FOCUSING
 ILLUMINATION
 LIGHT TRANSMISSION

Brittle materials
 USE BRITTLENESS

BRITTLENESS
 UF Brittle materials
 BT MECHANICAL PROPERTIES
 NT HYDROGEN EMBRITTLEMENT
 RT FAILURE (MECHANICS)
 HARDNESS
 PLASTICITY
 SHOCK RESISTANCE

Broach powders
 USE ABRASIVES

BROADBAND
 UF Wideband
 Wideband antennas
 BT FREQUENCY
 RT BANDWIDTH
 NARROWBAND

Broadband probes
 USE PROBES (ELECTROMAGNETIC)

BROMIDES
 BT HALIDES
 RT BROMINE

BROMINE
 BT GROUP VII ELEMENTS
 HALOGENS
 NON-METALS
 RT BROMIDES

Bronchi
 USE RESPIRATORY SYSTEM

Bronchiectasis
 USE DISEASES
 and RESPIRATORY SYSTEM

Bronchodilators
 USE SYMPATHOMIMETIC AGENTS

BUBBLES
 NT CAVITATION
 RT FOAMS
 WAKE
 WATER ENTRY

Buckets
 USE CONTAINERS

BUCKLING (MECHANICS)
(Bending of a structure out of its own plane or axis under compression.)
 BT DEFORMATION

BUDGETS
 UF Fiscal programs
 NT ARMED FORCES BUDGETS
 FEDERAL BUDGETS
 RT COMMERCE
 COSTS
 INDUSTRIAL PRODUCTION

BUFFETING
 BT FLIGHT

BUILDINGS
 NT HANGARS
 PREFABRICATED BUILDINGS
 WAREHOUSES
 RT FLOORS
 FOUNDATIONS (STRUCTURES)
 SHELTERS

Buoys
 USE PROJECTILES

Buoyancy recorders
 USE RECORDING SYSTEMS

BUOYS
 UF Gas marker buoys
 Mine can buoys
 Radio rescue buoys
 RT FLOATS
 MARINE SAFETY EQUIPMENT

BURNING RATE

BURNS
 UF Flash burns
 BT WOUNDS & INJURIES

Burnt
 USE RUPTURE

Buses
 USE PASSENGER VEHICLES

Business
 USE COMMERCE

Business machine operators
 USE OPERATORS (PERSONNEL)

Buzz
 USE VIBRATION

C

C BAND
(5000 to 6000 mc.)
 BT FREQUENCY
 MICROWAVE FREQUENCY
 RADIOFREQUENCY
 SUPERHIGH FREQUENCY
 RT S BAND
 X BAND

Cables (Electrical)
 USE ELECTRIC CABLES

CABLES (MECHANICAL)
 NT TOWING CABLES
 RT CORDAGE
 WIRE

CAD cartridges
 USE CARTRIDGES (PAD)

CADMIUM
 BT GROUP II ELEMENTS
 METALS

CALCIUM
 BT CHEMICAL ELEMENTS

CALCIUM COMPOUNDS
Calculating machines
 USE COMPUTERS

CALCULUS OF VARIATIONS
 UF Bolza problem

CALIBRATION
 RT MEASUREMENT
 STANDARDIZATION
 TOLERANCES (MECHANICS)

Calking compounds
 USE SEALING COMPOUNDS

CALORIMETERS
 RT HEAT
 TEMPERATURE SENSITIVE
 ELEMENTS
 THERMOMETERS

CAMBER
(The curve of an airfoil section from leading edge to trailing edge.)
 UF Lower camber
 Mean camber
 Upper camber

CAMERA TUBES
 UF Image orthicons
 BT ELECTRON TUBES
 IMAGE TUBES

CAMERAS
 NT AERIAL CAMERAS
 HIGH-SPEED CAMERAS
 MOTION-PICTURE CAMERAS
 RADAR RECORDING CAMERAS
 WIDE-FIELD CAMERAS
 RT PHOTOGRAPHIC EQUIPMENT
 PHOTOGRAPHIC RECORDING
 SYSTEMS
 PHOTOGRAPHY
 RECORDING SYSTEMS

Camera-film drives
 USE DRIVES

Canal abrasion
 USE EAR

CANARD CONFIGURATION
 BT AERODYNAMIC CONFIGURATIONS

CANCER
(Malignant NEOPLASMS)
 UF Carcinomas
 Sarcoma
 BT NEOPLASMS
 NT LEUKEMIA

Cancer research
 USE MEDICAL RESEARCH

Canopies
 USE AIRCRAFT CANOPIES

CANTILEVER BEAMS
 BT BEAMS (STRUCTURAL)
 RT BOX BEAMS
 WEB BEAMS

CAPACITANCE
 BT ELECTRICAL PROPERTIES
 RT ELECTROSTATICS

CAPACITANCE BRIDGES
 RT IMPEDANCE BRIDGES

Capacitors
 USE POTENTIAL THEORY

Capacities of sets
 USE POTENTIAL THEORY

CAPACITORS
 UF Condensers (Electrical)
 NT ELECTROLYTIC CAPACITORS
 VARIABLE CAPACITORS

Capital
 USE MONEY

CAPTIVE TESTS
 UF Firing test (Rocket)
 Static tests
 BT TESTS

CARBIDES
 RT CARBON
 CARBON COMPOUNDS

CARBOHYDRATES
 NT GLUCOSE
 MONOSACCHARIDES
 SUCROSE
 RT NUCLEOSIDES
 NUCLEOTIDES

CARBON
 UF Activated carbon
 BT GROUP IV ELEMENTS
 NON-METALS
 NT CARBON BLACK
 DIAMONDS
 GRAPHITE
 RT CARBIDES

CARBON ARC LAMPS

CARBON BLACK
 UF Lampblack
 BT CARBON

CARBON MATERIALS

CARBON COMPOUNDS
 NT CARBON DIOXIDE
 TOLERANCES (MECHANICS)
 RT BICARBONATES
 CARBIDES
 GRAPHITE

Carbon deposits
 USE COMBUSTION DEPOSITS

CARBON DIOXIDE
 BT CARBON COMPOUNDS
 DIOXIDES
 OXIDES

Carcinomas
 USE CANCER

Cardiac muscle
 USE HEART

CARDIOACTIVE AGENTS
 RT DRUGS

Cardiographs
 USE RADIOGRAPHY

CARDIOGRAPHY
 UF Cardiographs
 Cardiotachometers
 NT BALLISTOCARDIOGRAPHY
 ELECTROCARDIOGRAPHY
 RT HEART

Cardiotachometers
 USE RADIOGRAPHY

CARDIOVASCULAR SYSTEM
 UF Circulatory system
 NT AORTA
 ARTERIES
 BLOOD VESSELS
 HEART
 VEINS
 RT BLOOD
 BLOOD CIRCULATION
 BLOOD VOLUME
 BODY
 LYMPHATIC SYSTEM
 TISSUES (BIOLOGY)

CARGO
 UF Freight
 Lading
 BT TRANSPORTATION

Cargo planes
 USE TRANSPORT PLANES

CARGO VEHICLES
 UF Transport vehicles
 BT VEHICLES
 NT FUEL TRUCKS
 RT SLEDS
 SNOW VEHICLES

Carotid sinus
 USE ARTERIES

Carpets
 USE FLOOR COVERINGS

CARRIER LANDINGS
 BT LANDINGS
 RT ALL-WEATHER AVIATION
 INSTRUMENT LANDINGS
 NIGHT LANDINGS
 RADAR LANDINGS CONTROL

CARRIER WAVES
CARRIER-CONTROLLED APPROACH RADAR
(Aircraft carrier radar systems that ascertain the positions of incoming planes by radar, and relay to the planes by radio information for making approaches.)
 BT LANDING AIDS
 RADAR
 RADAR LANDING CONTROL
 RT GROUND-CONTROLLED APPROACH RADAR
 RADAR NAVIGATION
 RADAR TRACKING
 TERMINAL FLIGHT FACILITIES

CARRIERS (RADIO WAVES)
 UF Carrier waves
 BT RADIO WAVES
Carriers (Vehicles)
 USE VEHICLES

Cars
 USE PASSENGER VEHICLES

Cartography
 USE MAPPING

CARTRIDGES (PAD)
 UF CAD cartridges
 Catapult cartridges
 Ejector cartridges
 Ignition cartridges
 Pad
Personnel ejection catapult cartridges
 Propellant actuated devices
 Remover cartridges
 Thruster cartridges
 RT EXPLOSIVE ACTUATORS

Cases
 USE CONTAINERS

CASTING
 UF Investment casting
 Permanent mold casting
 Sand casting
 BT MATERIAL FORMING

Caster oil
 USE VEGETABLE OILS

CASUALTIES
 UF Air raid casualties
 War casualties
 RT ACCIDENTS
 DISASTERS
 MILITARY PERSONNEL WOUNDS & INJURIES

CAT
 USE CLEAR AIR TURBULENCE

CATALOGS
 UF Parts catalogs
 Supply catalogs
 BT DOCUMENTATION
 RT CLASSIFICATION
 DIRECTORIES
 INDEXES
 LIBRARIES
 SUBJECT INDEXING

CATALYSIS
 RT CHEMICAL REACTIONS
 REACTION KINETICS

Cataphoresis
 USE ELECTROPHORESIS

Catapult cartridges
 USE CARTRIDGES (PAD)

CATAPULTS
 UF Airplane launching
 BT LAUNCHING
 RT TAKE-OFF

CATHODE FOLLOWERS
 BT CIRCUITS

CATHODE RAY TUBE SCREENS
 BT ELECTRON TUBE PARTS
 VIEWING SCREENS
 RT DISPLAY SYSTEMS
 RADAR IMAGES

CATHODE RAY TUBES
 UF Dark trace tubes
 BT ELECTRON TUBES
 NT COLOR TELEVISION TUBES
 RT ELECTRON GUNS
 ICOSCOPIES
 IMAGE TUBES
 PLAN POSITION INDICATORS
 STEREOSCOPIC DISPLAY SYSTEMS
 STORAGE TUBES
 TELEVISION DISPLAY SYSTEMS

CATHODES
 BT ELECTRODES

RT ANODES
CATHODES (ELECTRON TUBES)
 UF Sintered cathodes
 BT ELECTRODES
 ELECTRON TUBE PARTS
 NT OXIDE CATHODES
CATHODIC PROTECTION
(Prevention of electrolytic corrosion in an underground or underwater metal structure by making the structure act as the cathode of an electrolytic cell.)
 BT CORROSION INHIBITION

Cauchy kernels
 USE INTEGRAL EQUATIONS
Cauchy points
 USE SERIES
Cauchy problem
 USE PARTIAL DIFFERENTIAL EQUATIONS

Cauchy product
 USE SERIES

CAVITATION
 BT BUBBLES
 RT TURBULENCE
 UNDERWATER
 WAKE
 WATER ENTRY

CAVITY RESONATORS
 BT RESONATORS

CEILING
(The height of the lowest clouds or obscuring phenomena at an airport, weather station, etc.)
 BT METEOROLOGICAL PARAMETERS
 RT CLOUD HEIGHT INDICATORS

CELESTIAL GUIDANCE
(Automatic direction of missiles, spacecraft, etc. by instruments within the vehicles that sense the positions of stars and other celestial bodies. For positioning techniques in which navigators determine geographic locations by celestial observations, see CELESTIAL NAVIGATION.)

BT GUIDANCE
 NT STAR TRACKERS
 RT CELESTIAL NAVIGATION
CELESTIAL NAVIGATION
 RT NAVIGATION
 BT CELESTIAL GUIDANCE
 HYPERBOLIC NAVIGATION

Cell Division (Biology)
 USE MITOSIS

CELLS (BIOLOGY)
 UF Protozoan
 NT BLOOD CELLS
 EOSINOPHILS
 ERYTHROCYTES
 GANGLIA
 LEUKOCYTES
 LYMPHOCYTES
 NERVE CELLS
 RT BODY
 HISTOLOGY
 MITOSIS
 NERVOUS SYSTEM
 PHYSIOLOGY
 TISSUES (BIOLOGY)

Cellular plastics
 USE EXPANDED PLASTICS
CELLULOSE PLASTICS
 BT PLASTICS

Cementing
 USE BONDING

CEMENTS
(Does not include ADHESIVES or OPTICAL CEMENTS.)
 UF Structural cements
 BT CERAMIC MATERIALS
 RT CONCRETE

CENTER OF GRAVITY
 BT GRAVITY

CENTRAL NERVOUS SYSTEM
 NT NERVOUS SYSTEM
 RT AUTONOMIC NERVOUS SYSTEM
 BRAIN
 CEREBRAL CORTEX
 SPINAL CORD

Central nervous system depressants
 USE CNS DEPRESSANTS

Central nervous system stimulants
 USE CNS STIMULANTS

CENTRIFUGAL COMPRESSORS
(Compressors producing discharge flows perpendicular to the axis of rotation of the fans or impellers.)
 BT COMPRESSORS
 RT AXIAL-FLOW COMPRESSORS
 HIGH-PRESSURE COMPRESSORS
 ROTARY COMPRESSORS

CENTRIFUGAL FIELDS
 RT SPIN

CENTRIFUGAL PUMPS
(Pumps producing discharge flows perpendicular to the axis of rotation of the rotors.)
 BT PUMPS
 RT IMPELLERS

CENTRIFUGES
 UF Human centrifuges

Ceramals
 USE CERMETS

CERAMIC COATINGS
 UF Ceramic paints
 Enamel coatings
 BT COATINGS
 FINISHES & FINISHING
 RT REFRACTORY COATINGS

CERAMIC FIBERS
 BT FIBERS
 FIBERS (SYNTHETIC)
 RT ASBESTOS

CERAMIC MATERIALS
(Material made essentially from nonmetallic minerals by firing at high temperatures.)
 NT CEMENTS
 GLASS
 REFRACTORY MATERIALS
 RT CERMETS
 Ceramic paints
 USE CERAMIC COATINGS

CEREBRAL CORTEX
 BT BRAIN
 CENTRAL NERVOUS SYSTEM
 NERVOUS SYSTEM

Cerebrovascular disease
 USE BLOOD VESSELS and BRAIN and DISEASES

Cerebrum
 USE BRAIN

CERENKOV RADIATION
 BT ELECTROMAGNETIC WAVES

Cerium compounds
 USE RARE EARTH COMPOUNDS

CERMETS
 UF Ceramals
 BT HEAT-RESISTANT MATERIALS
 HEAT-RESISTANT METALS & ALLOYS
 RT ALLOYS
 CERAMIC MATERIALS
 GRAM STRUCTURES (METALLURGY)

Certification
 USE LICENSING

Cebers transform
 USE SERIES

CESIUM ELECTRON TUBES
 BT ELECTRON TUBES

Chew
 USE RADAR CONFUSION REFLECTORS

CHAINS
CHANNEL SELECTORS
 UF Microwave selectors
 Radio channel selectors
 Selectors (Channel)
 BT ELECTRIC SWITCHES
 RT ROTARY SWITCHES

Character recognition
 USE PATTERN RECOGNITION

Characteristics X rays
 USE X RAYS

CHARGED PARTICLES
 UF Ions (Atomic)
 NT ELECTRONS
 PROTONS
 RT COSMIC RAYS
 ELEMENTARY PARTICLES
 NUCLEAR PARTICLES
 NUCLEONS

Charting
 USE SURVEYING

Charts
 USE MAPS

CHECKOUT PROCEDURES
(Sequences of operational and calibration tests performed on guided missiles and associated equipment.)
 UF Countdown procedures
 Pre-launch procedures
 BT TEST METHODS

CHEMICAL ANALYSIS
 BT CHEMISTRY
 NT CHROMATOGRAPHIC ANALYSIS
 MICROANALYSIS
 POLAROGRAPHIC ANALYSIS
 QUANTITATIVE ANALYSIS
 VOLUMETRIC ANALYSIS
 RT GAS ANALYSIS

CHEMICAL COMPOUNDS
 NT ALUMINUM COMPOUNDS
 ARSENIDES
 BARIUM COMPOUNDS
 BORANES
 BOROHYDRIDES
 BORON COMPOUNDS
 HALOGEN COMPOUNDS
 INORGANIC COMPOUNDS
 IRON COMPOUNDS
 ORGANIC COMPOUNDS
 PENTABORANES
 RARE EARTH COMPOUNDS
 RARE EARTHS
 SELENIDES
 SILICIC ACIDS
 TITANIUM COMPOUNDS
 ZINC COMPOUNDS
 RT CHEMICALS

CHEMICAL ELEMENTS
 NT CALCIUM

CHEMICAL MILLING
CHEMICAL PROPERTIES
CHEMICAL REACTIONS
 NT DECOMPOSITION
 ELECTROLYSIS
 HYDROLYSIS
 OXIDATION
 PHOTOCHEMISTRY
 RT CATALYSIS
 DEMYDRATION
 REACTION KINETICS

Chemical spray tanks
 USE SPRAY TANKS

Chemical waste
 USE WASTES (INDUSTRIAL)

CHEMICALS
 RT CHEMICAL COMPOUNDS

CHEMISTRY
 NT BIOCHEMISTRY
 BLOOD CHEMISTRY
 CHEMICAL ANALYSIS
 ELECTROCHEMISTRY
 PHOTOCHEMISTRY
 PHYSICAL CHEMISTRY
 THERMOCHEMISTRY
 RT MATHEMATICS
 PHYSICS
 SCIENTIFIC RESEARCH

CHEMOTHERAPEUTIC AGENTS
 RT DRUGS

Chew
 USE THORAX

Chewing
 USE MASTICATION

CIN speed test
 USE STATISTICAL TESTS

CHILDREN
 BT MAMMALS
 MAN
 RT INFANTS

Chlorides
 USE INSECTICIDES

CHLORIDES
 BT HALIDES
 RT CHLORINE
 CHLORINE COMPOUNDS

CHLORINE
 BT GROUP VI ELEMENTS
 HALOGENS
 NON-METALS
 RT CHLORIDES

CHLORINE COMPOUNDS
 BT HALOGEN COMPOUNDS
 RT CHLORIDES

Chlorophyta
 USE ALGAE

Cholesterol
 USE STEROIDS

CHOLESTEROL
 BT STEROIDS
 RT ATHEROSCLEROSIS
Cholinergic nerves
 USE AUTONOMIC NERVOUS SYSTEM
Choroid
 USE EYE
CHROMATOGRAPHIC ANALYSIS
(The analysis of mixtures of solutions by using adsorbents to separate the substances in solution by selective adsorption.)
 UF Electrochromatography
 BT CHEMICAL ANALYSIS
 RT MICROANALYSIS
 QUANTITATIVE ANALYSIS
CHROMIUM
 BT GROUP VI ELEMENTS
 METALS
 TRANSITION ELEMENTS
CHROMIUM ALLOYS
 BT ALLOYS
CHROMOPROTEINS
 UF Hemocyanin
CHRONOGRAPHS
 UF Chronometers
 Chronoscopes
 BT CLOCKS
Chronometers
 USE CHRONOGRAPHS
Chronoscopes
 USE CHRONOGRAPHS
Chryophyta
 USE ALGAE
Chutes
 USE CONVEYORS
Cicada functions
 USE SPECIAL FUNCTIONS
 (MATHEMATICAL)
Circles
 USE RINGS
CIRCUIT BREAKERS
 BT ELECTRIC SWITCHES
 RT FUSES (ELECTRICAL)
CIRCUITS
 BT NETWORKS
 NT CATHODE FOLLOWERS
 COUPLING CIRCUITS
 DELAY CIRCUITS
 FIRING CIRCUITS
 GATES (CIRCUITS)
 INTEGRATED CIRCUITS
 INVERTER CIRCUITS
 NEGATIVE RESISTANCE CIRCUITS
 PACKAGED CIRCUITS
 PHASE DETECTORS
 PRINTED CIRCUITS
 SCALERS
 SWITCHING CIRCUITS
 TUNING CIRCUITS
 TRIGGER CIRCUITS
 TUNED CIRCUITS
 RT WIRING DIAGRAMS
CIRCULAR ERROR PROBABILITY
Circular normal probabilities
 USE PROBABILITY
Circulators (Waveguide)
 USE WAVEGUIDE CIRCULATORS
Circulatory system
 USE CARDIOVASCULAR SYSTEM
CIRRUS CLOUDS
 BT CLOUDS
Cities
 USE URBAN AREAS
CIVIL AVIATION
 NT AIR CARRIERS
 RT AIR TRAFFIC
 AIR TRAFFIC CONTROL SYSTEMS
 AIR TRANSPORTATION
 NAVAL AVIATION
 TERMINAL FLIGHT FACILITIES
CIVIL DEFENSE SYSTEMS
 BT DEFENSE SYSTEMS
 RT AIRCRAFT DEFENSE SYSTEMS
 EARLY WARNING SYSTEMS
 NATIONAL DEFENSE
CIVIL ENGINEERING
 BT ENGINEERING
 RT MARINE ENGINEERING
Civil government
 USE POLITICAL SCIENCE
Civil service employees
 USE GOVERNMENT EMPLOYEES

Cladocera
 USE CRUSTACEA
Clans
 USE TOPOLOGY
CLASSIFICATION
 BT DOCUMENTATION
 RT BIBLIOGRAPHIES
 CATALOGS
 INDEXES
 RECORDS
 REPORTS
 SUBJECT INDEXING
CLAY
 BT ROCK (GEOLOGY)
CLEANING
CLEANING COMPOUNDS
 UF Cleaning fluids
 NT SOAPS
 RT PAINT REMOVERS
Cleaning fluids
 USE CLEANING COMPOUNDS
CLEAR AIR TURBULENCE
 UF Cat
 BT ATMOSPHERIC MOTION
 RT TURBULENCE
CLEARANCE
 UF Final clearance
 BT AIR TRAFFIC CONTROL SYSTEMS
Climate
 USE CLIMATOLOGY
CLIMATOLOGY
 UF Climate
 RT ATMOSPHERE MODELS
 GEOGRAPHY
 METEOROLOGY
 POLAR REGIONS
CLIMBING
 UF Zooming
 BT FLIGHT
Clinical psychology
 USE ABNORMAL PSYCHOLOGY
CLOCKS
 UF Aircraft clocks
 Electric clocks
 Stop watches
 Watches (Timers)
 Wrist watches
 NT CHRONOGRAPHS
 RT FLIGHT INSTRUMENTS
Close field
 USE NEAR FIELD
CLOSED-CYCLE ECOLOGICAL SYSTEMS
(Closed systems that support life in extreme environments by providing food and oxygen and disposing of waste products without aid from outside sources.)
 RT LIFE SUPPORT
 SPACE BIOLOGY
 SPACE MEDICINE
CLOTHING
 NT EXPOSURE SUITS
 FLIGHT CLOTHING
 GLOVES
 PRESSURE SUITS
 PROTECTIVE CLOTHING
 SOCKS
CLOUD COVER
(The amount of sky covered by clouds.)
 UF Cloudiness
 BT METEOROLOGICAL PARAMETERS
CLOUD HEIGHT INDICATORS
 BT HEIGHT FINDING
 METEOROLOGICAL INSTRUMENTS
 RT ALTIMETERS
 CERINO
 METEOROLOGICAL RADAR
Cloud seeding
 USE ARTIFICIAL PRECIPITATION
Cloudiness
 USE CLOUD COVER
CLOUDS
 BT ATMOSPHERIC CONDENSATION
 METEOROLOGICAL PHENOMENA
 NT CIRRUS CLOUDS
 CUMULONIMBUS CLOUDS
 CUMULUS CLOUDS
 FOG
 NOCTURNAL CLOUDS
 STRATUS CLOUDS
 RT CONDENSATION
 ICE FOG

Clutter
 USE RADAR CLUTTER
CNS DEPRESSANTS
 UF Central nervous system depressants
 NT ALCOHOL
 ANESTHETICS
 TRANQUILIZERS
 RT ANTIHISTAMINICS
 AUTONOMIC AGENTS
 DRUGS
CNS STIMULANTS
 UF Analeptics
 Central nervous system stimulants
 Convulsants
 Stimulants (cns)
 Thebaines
 NT AMPHETAMINES
 RT AUTONOMIC AGENTS
 DRUGS
COANDA EFFECT
COAST GUARD
 BT MILITARY ORGANIZATIONS
 RT ARMED FORCES (UNITED STATES)
 DEPARTMENT OF DEFENSE
COATINGS
 BT FINISHES & FINISHING
 NT ALUMINUM COATINGS
 ANTIFOULING COATINGS
 BITUMINOUS COATINGS
 CERAMIC COATINGS
 FIRE-RESISTANT COATINGS
 METAL COATINGS
 ORGANIC COATINGS
 PAINTS
 PHOSPHATE COATINGS
 PLASTIC COATINGS
 PLATING
 REFRACTORY COATINGS
 RUBBER COATINGS
 VAPOR PLATING
 VARNISHES
 RT ANTIRAIN AGENTS
 CORROSION INHIBITION
 FLAME SPRAYING
 PROTECTIVE TREATMENTS
COAXIAL CABLES
 BT ELECTRIC CABLES
 RT ELECTRIC WIRE
 RADIOFREQUENCY CABLES
COBALT
 BT METALS
 TRANSITION ELEMENTS
COBALT ALLOYS
 BT ALLOYS
Cobol
 USE PROGRAMMING LANGUAGES
Cochlea
 USE EAR
COCKPITS
 BT AIRCRAFT EQUIPMENT
 NT JETTISONABLE COCKPITS
 RT AIRCRAFT CABINS
 FLIGHT INSTRUMENTS
 PILOT SEATS
CODING
(Converting information into symbols to enable mechanical transmission.)
 RT COMMUNICATION THEORY
Coding (Computers)
 USE PROGRAMMING (COMPUTERS)
Coefficient determination
 USE DIFFERENTIAL EQUATIONS
COHERENT RADAR
 BT RADAR
Coinology
 USE ALGEBRAIC TOPOLOGY
COILS
(Compact windings of conductors to form inductors for coils producing magnetic fields for the conversion of electrical into mechanical energy.)
 see SOLENOIDS
 NT SOLENOIDS
 RT ELECTROMAGNETS
 GENERATORS
 OSCILLATORS
 POWER EQUIPMENT
 POWER SUPPLIES
 POWER TRANSFORMERS
Coins
 USE MONEY
COLD CATHODE TUBES
 BT ELECTRON TUBES
 RT DISCHARGE TUBES

COLD WEATHER TESTS
 UF Arctic tests
 BT ENVIRONMENTAL TESTS
 TESTS
 RT LOW-TEMPERATURE RESEARCH
COLLECTING METHODS
College students
 USE STUDENTS
Colleges
 USE UNIVERSITIES
COLLIMATORS
(Device for producing beams of light molecules or atoms.)
 RT OPTICAL INSTRUMENTS
COLLISION AVOIDANCE
 UF Anti-collision
 RT AIR TRAFFIC CONTROL SYSTEMS
 AVIATION ACCIDENTS
 COLLISIONS
 WARNING SYSTEMS
COLLISIONS
 UF Mid-air collisions
 BT ACCIDENTS
 RT AVIATION ACCIDENTS
 AVIATION INJURIES
 COLLISION AVOIDANCE
 MOTOR VEHICLE ACCIDENTS
COLLOIDS
(A state of matter characterized by particles of either a solid, liquid, or gas dispersed in a second medium that may be solid, liquid, or gaseous. Specific examples of colloids are BLOOD, CLOUDS, milk, PAINTS, and PHOTOGRAPHIC EMULSIONS, are represented as separate descriptors and are not considered to be encompassed by this meaning.)
 UF Emulsions
 NT AEROSOLS
 FOAMS
 GELS
 SMOOKES
 RT ALLOYS
 ELECTROPHORESIS
 SOLUTIONS
Colon
 USE INTESTINES
Color blindness
 USE COLOR VISION
COLOR TELEVISION
 UF Color television systems
 BT COMMUNICATION SYSTEMS
 TELEVISION COMMUNICATION SYSTEMS
 RT TELEVISION EQUIPMENT
Color television systems
 USE COLOR TELEVISION
COLOR TELEVISION TUBES
 BT CATHODE RAY TUBES
 ELECTRON TUBES
COLOR VISION
 UF Color blindness
 RT VISION
COLORIMETRY
(Measurement of color except in chemical analysis.)
 RT OPTICAL ANALYSIS
 SPECTROSCOPY
COLORS
 BT OPTICAL PROPERTIES
 RT BRIGHTNESS
 LIGHT TRANSMISSION
Columbus
 USE HODGKIN
Columns
 USE SUPPORTS
Combal
 USE WARFARE
COMBAT INFORMATION CENTERS
COMBINATORIAL ANALYSIS
 UF Block designs
 Designs (Mathematical)
 Enumeration theory
 Factorial experiments
 Latin squares
 Matchbox theory
 Permutations
 Response surfaces
 Retestable designs
Combustibility
 USE FLAMMABILITY
COMBUSTION
 RT FLAMES

COMBUSTION (Con)
 FUEL CONSUMPTION
 FUELS
 OXIDATION

COMBUSTION CHAMBER GASES
(The gases in a combustion chamber before or after ignition. For studies of gases ejected from the combustion chamber see EXHAUST GASES.)
 RT EXHAUST GASES
 FLAMES
 FUEL INJECTION

COMBUSTION CHAMBER LINERS
 UF Cylinder liners

COMBUSTION CHAMBERS
 RT FLAME ARRESTERS
 FLAME HOLDERS
 FURNACES

COMBUSTION DEPOSITS
 UF Carbon deposits
 BT COMBUSTION PRODUCTS
 RT EXHAUST GASES

COMBUSTION PRODUCTS
 NT COMBUSTION DEPOSITS
 EXHAUST GASES

COMMAND GUIDANCE
(Control or direction by an external source as of an aircraft or missile by electronic signals.)
 BT GUIDANCE

COMMAND & CONTROL SYSTEMS
 BT COMMUNICATION SYSTEMS

COMMERCE
 UF Business
 Foreign trade
 Trade

RT BUDGETS
 COSTS
 DISTRIBUTION (ECONOMICS)
 ECONOMICS
 INDUSTRIAL PRODUCTION

COMMUNICATION EQUIPMENT
 NT COMMUNICATION SATELLITES (ACTIVE)
 COMMUNICATION SATELLITES (PASSIVE)
 CRYSTAL DETECTORS
 EARPHONES
 FACSIMILE EQUIPMENT
 FREQUENCY-SHIFT KEYS
 LOUSPEAKERS
 MICROPHONES
 PULSE TRANSMITTERS
 RADIO BEACONS
 RADIO EQUIPMENT
 RADIO RECEIVERS
 RADIO TOWERS
 RADIO TRANSMITTERS
 RADIOTELEPHONES
 STEREOSCOPIC DISPLAY SYSTEMS
 TELEPHONE EQUIPMENT
 TELEPHONE LINES
 TELEVISION CAMERAS
 TELEVISION CONVERTERS
 TELEVISION DISPLAY SYSTEMS
 TELEVISION EQUIPMENT
 TELEVISION RECEIVERS
 TELEVISION TRANSMITTERS
 TRANSMITTER RECEIVERS
 WALKIE-TALKIES

RT DISPLAY SYSTEMS
 REPAIRED EQUIPMENT
 RADAR EQUIPMENT

COMMUNICATION SATELLITES (ACTIVE)
 BT COMMUNICATION EQUIPMENT
 SATELLITES (ARTIFICIAL)
 SPACECRAFT

COMMUNICATION SATELLITES (PASSIVE)
 BT COMMUNICATION EQUIPMENT
 SATELLITES (ARTIFICIAL)
 SPACECRAFT

COMMUNICATION SYSTEMS
(All factors including those in the human hardware personnel in the system etc. that contribute to complete communication for design testing production etc. of hardware see COMMUNICATION EQUIPMENT.)
 NT COLOR TELEVISION
 COMMAND & CONTROL SYSTEMS
 FACSIMILE COMMUNICATION SYSTEMS

FIELD WIRE COMMUNICATION SYSTEMS
 GLOBAL COMMUNICATION SYSTEMS
 INTERCOMMUNICATION SYSTEMS
 LIGHT COMMUNICATION SYSTEMS
 MICROWAVE COMMUNICATION SYSTEMS
 MICROWAVE RELAY SYSTEMS
 MULTICHANNEL TELEPHONE SYSTEMS
 PHASE-LOCKED COMMUNICATION SYSTEMS
 PUBLIC ADDRESS SYSTEMS
 PULSE COMMUNICATION SYSTEMS
 RADIO COMMUNICATION SYSTEMS
 RADIO RELAY STATIONS
 RADIO RELAY SYSTEMS
 RADIO STATIONS
 RADIO TELETYPE SYSTEMS
 SINGLE SIDEBAND COMMUNICATION SYSTEM
 SINGLE SIDEBAND COMMUNICATION SYSTEM
 SPACE COMMUNICATION SYSTEMS
 TELEMETRY SYSTEMS
 TELEPHONE COMMUNICATION SYSTEMS
 TELETYPE SYSTEMS
 TELEVISION COMMUNICATION SYSTEMS
 TELEVISION STATIONS
 VOICE COMMUNICATION SYSTEMS

RT DATA TRANSMISSION SYSTEMS
 SIGNALS

COMMUNICATION THEORY
 UF Information theory
 RT CODING

COMMUNICATIONS EQUIPMENT
 NT WALKIE-TALKIES
Commutator stones
 USE ABRASIVES

COMPARATIVE STUDIES

COMPASSES
 BT POSITION FINDING
 NT RADIO COMPASSES
 RT DIRECTION FINDING

COMPATIBILITY
(The ability of given materials especially rocks and ammunition propellants to remain unchanged under various conditions when in the presence of other materials.)
 RT STORAGE

COMPLEX NUMBERS

COMPOSITE MATERIALS
(Bonded combinations of plastics resins composites or other synthetic materials.)
 RT REINFORCING MATERIALS

COMPRESSED AIR
 BT AIR

COMPRESSIBLE FLOW
 BT FLUID FLOW
 GAS FLOW
 RT INCOMPRESSIBLE FLOW

Compression shock
 USE SHOCK WAVES

COMPRESSIVE PROPERTIES
(Applicable to compression loads.)
 BT MECHANICAL PROPERTIES
 RT TENSILE PROPERTIES

COMPRESSOR BLADES
 NT AXIAL FLOW COMPRESSOR BLADES
 RT COMPRESSOR ROTORS
 COMPRESSOR STATORS
 ROTOR BLADES
 (TURBOMACHINERY)

COMPRESSOR NOISE
 BT NOISE

COMPRESSOR ROTORS
 RT AXIAL FLOW COMPRESSOR BLADES
 COMPRESSOR BLADES
 TURBINE WHEELS

COMPRESSOR STATORS
 RT AXIAL FLOW COMPRESSOR BLADES
 COMPRESSOR BLADES

COMPRESSORS
 NT AXIAL-FLOW COMPRESSORS
 CENTRIFUGAL COMPRESSORS
 HIGH-PRESSURE COMPRESSORS
 ROTARY COMPRESSORS

RT FANS
 TURBINES

COMPUTER LOGIC
 UF Logical networks

COMPUTER STORAGE DEVICES
 NT CRYOGENIC STORAGE DEVICES
 DATA STORAGE SYSTEMS
 DELAY LINES
 INPUT-OUTPUT DEVICES
 MAGNETIC CORE STORAGE
 MAGNETIC CORES
 MAGNETIC TAPE
 PUNCHED CARDS
 PUNCHED TAPE
 STORAGE TUBES
 THIN FILMS (STORAGE DEVICES)

COMPUTERS
 UF Calculating machines
 NT ANALOG COMPUTERS
 ANALOG-DIGITAL COMPUTERS
 BOMBING COMPUTERS
 DIGITAL COMPUTERS
 NAVIGATION COMPUTERS
 RADAR RANGE COMPUTERS
 SPECIAL PURPOSE COMPUTERS

RT CONTROL SIMULATORS
 DATA PROCESSING SYSTEMS
 DATA TRANSMISSION SYSTEMS
 ELECTRONIC ACCOUNTING MACHINES
 FAST TIME
 GUIDED MISSILE SIMULATORS
 INFORMATION RETRIEVAL PROGRAMMING (COMPUTERS)
 SIMULATION
 UPDATING (COMPUTERS)

CONCRETE
 UF Concrete pavements
 Concrete surfacing
 NT REINFORCED CONCRETE
 RT CEMENTS
 PAVEMENTS

Concrete pavements
 USE CONCRETE
 and PAVEMENTS

Concrete surfacing
 USE CONCRETE
 and PAVEMENTS

CONCUSSION
 BT WOUNDS & INJURIES
 RT SHOCK (PATHOLOGY)
 STRESS (PHYSIOLOGY)

CONDENSATION
(Change of state from gas or vapor to liquid or solid also meteorological phenomenon; excludes chemical reaction.)
 RT ATMOSPHERIC PRECIPITATION
 CLOUDS
 NUCLEATION

CONDENSATION TRAILS
 UF Comets
 Exhaust trails
 Vapor trails

RT WAKE

Condensers (Electrical)
 USE CAPACITORS

CONDITIONED REFLEX
 UF Conditioned response
 BT BEHAVIOR
 REFLEXES
 RT ADJUSTMENT (PSYCHOLOGY)
 LEARNING
 MOTOR REACTIONS
 PSYCHOLOGY
 REACTION (PSYCHOLOGY)

Conditioned response
 USE CONDITIONED REFLEX

CONDUCTIVITY
 NT ELECTRICAL CONDUCTANCE
 PHOTOCONDUCTIVITY
 SUPERCONDUCTIVITY
 THERMAL CONDUCTIVITY

Conductivity (Electrical)
 USE ELECTRICAL CONDUCTANCE

Conductivity (Thermal)
 USE THERMAL CONDUCTIVITY

CONFERENCES
 RT SYMPOSIA

Confidence limits
 USE STATISTICAL ANALYSIS

Configural scoring
 USE FACTOR ANALYSIS

CONFIGURATION

CONFINED ENVIRONMENTS
(Restricted or isolated environments involving any number of people such as in spacecraft, submarines, or bomb shelters.)
 RT SENSORY DEPRIVATION
 STRESS (PSYCHOLOGY)

CONFORMAL MAPPING
 UF Representation (Mathematical)
 BT TRANSFORMATIONS (MATHEMATICS)

Congress
 USE UNITED STATES GOVERNMENT

CONICAL ANTENNAS
 BT ANTENNA CONFIGURATIONS
 ANTENNAS

CONICAL BODIES
 BT BODIES OF REVOLUTION
 GEOMETRIC FORMS
 RT HEMISPHERICAL SHELLS
 OGIVES
 WEDGES

CONICAL NOZZLES
 BT NOZZLES
 RT EXHAUST NOZZLES
 GAS TURBINE NOZZLES
 ROCKET MOTOR NOZZLES
 SPRAY NOZZLES
 SUBSONIC NOZZLES

CONICAL WINGS
 BT AERODYNAMIC CONFIGURATIONS
 WINGS
 RT GEOMETRIC FORMS

Conjugated proteins
 USE PROTEINS (CONJUGATED)

Conservation laws (Mathematics)
 USE DIFFERENTIAL GEOMETRY

Constant-speed drives
 USE DRIVERS
 and SPEED REGULATORS

CONSTRUCTION

Concrete lenses
 USE EYEGLASSES

CONTAINERS
 UF Boxes
 Buckets
 Cases
 Packaging
 NT FUEL TANKS
 OIL TANKS
 PACKS (PARACHUTE)
 SPRAY TANKS
 STORAGE TANKS
 TANKS (CONTAINERS)
 WATER TANKS

RT STORAGE

CONTAMINATION
 NT RADIOACTIVE FALLOUT
 RADIOLOGICAL CONTAMINATION
 RT ATMOSPHERIC POLLUTION
 DECONTAMINATION
 DOSIMETERS
 RADIATION HAZARDS

CONTINUOUS WAVE RADAR
 UF CW radar
 BT RADAR

Contour mapping
 USE MAPPING

CONTRACTION
 RT MUSCLES

Controls
 USE CONDENSATION TRAILS

CONTROL

Control amplifiers
 USE SERVO AMPLIFIERS

Control boxes
 USE CONTROL PANELS

CONTROL JETS
 RT AERODYNAMIC CONTROL SURFACES
 CONTROL SURFACES
 CONTROL SYSTEMS
 JETS
 THRUST VECTOR CONTROL SYSTEMS

CONTROL KNOBS
 UF Knobs
 RT AIRCRAFT EQUIPMENT

CONTROL PANELS

CONTROL PANELS
 UF Control boxes
 NT INSTRUMENT PANELS
 PANEL BOARDS (ELECTRICITY)
 RT AIRCRAFT EQUIPMENT

CONTROL SIMULATORS
 BT SIMULATION
 RT COMPUTERS
 FAST TIME
 FLIGHT SIMULATORS
 FLUTTER SIMULATORS

CONTROL STICKS
 UF Sticks (Aeronautics)
 BT AIRCRAFT EQUIPMENT
 RT AERODYNAMIC CONTROL SURFACES
 CONTROL SURFACES
 CONTROL SYSTEMS

CONTROL SURFACES
(Surfaces that provide predictable influences over the trajectories of bodies moving through gases or liquids.)
 NT AERIAL RUDDERS
 AERODYNAMIC CONTROL SURFACES
 ALERONS
 AIR BRAKE FLAPS
 ELEVATORS
 FINS
 FLAPS
 LEADING EDGE
 LEADING EDGE FLAPS
 SLOTTED FLAPS
 SPLIT FLAPS
 SPOILERS
 STABILIZERS (HORIZ TAIL SURFACES)
 STABILIZERS (VERT TAIL SURFACES)
 TRAILING CONTROL SURFACES
 TRAILING EDGE
 TRIM TABS

RT AERODYNAMIC CONFIGURATIONS
 AIRCRAFT EQUIPMENT
 CONTROL JETS
 CONTROL STICKS
 CONTROL SYSTEMS
 FLUID MECHANICS
 HYDRODYNAMIC CONFIGURATIONS
 PLANNING SURFACES

CONTROL SYSTEMS
 NT ADAPTIVE CONTROL SYSTEMS
 FLIGHT CONTROL SYSTEMS
 RT CONTROL JETS
 CONTROL STICKS
 CONTROL SURFACES
 GUIDANCE
 SPEED REGULATORS
 TEMPERATURE CONTROL

Control-able propellers
 USE VARIABLE-PITCH PROPELLERS

CONTROLLED ATMOSPHERES
 UF Inert atmospheres

CONVECTION
 UF Convection
 Updrafts

BT ATMOSPHERIC MOTION
 METEOROLOGICAL PHENOMENA

CONVERGENT-DIVERGENT NOZZLES
 BT ROCKET MOTOR NOZZLES

CONVERGENT-DIVERGENT NOZZLES
 BT ROCKET MOTOR NOZZLES

CONVERTIBLE AIRPLANES
 UF Convertibles
 BT AIRCRAFT
 AIRPLANES
 SHORT TAKE-OFF PLANES

RT AUTOGRIPS
 VERTICAL TAKE-OFF PLANES

Convexity theorem
 USE CONVEX SETS

CONVEYORS
 UF Chutes
 Tramways
 Transfer trays

Convulsants
 USE CNS STIMULANTS

CONVULSIVE DISORDERS
 UF Eclampsia
 Myoclonus
 Tetany

BT PATHOLOGY
 NT EPILEPSY

COOLANTS
 UF Heat transfer fluids
 RT REFRIGERANTS

Coolers
 USE COOLING

COOLING
 UF Coolers
 NT FILM COOLING
 TRANSPIRATION COOLING

RT ABLATION

COOLING & VENTILATING EQUIPMENT
 NT AIR CONDITIONING EQUIPMENT
 REFRIGERATION SYSTEMS
 VENTILATION DUCTS

RT REFRIGERANTS
 VENTILATION

COPPER
 BT GROUP I ELEMENTS
 METALS

COPPER ALLOYS
 BT ALLOYS
 NT BRASS

CORDAGE
 UF Ropes
 Shroud lines

RT CABLES (MECHANICAL)

CORNEA
 BT EYE

Coronary circulation
 USE BLOOD CIRCULATION and HEART

CORRECTIONS
Correction coefficients
 USE STATISTICAL FUNCTIONS
Correction functions
 USE STATISTICAL FUNCTIONS

CORRELATION TECHNIQUES
(Mathematical procedures for examining the significance of relationships among variables which may be used in estimation of "real" systems and equipment as well as in purely theoretical investigations.)
 BT STATISTICAL ANALYSIS
 RT AUTOMATIC NAVIGATORS
 CORRELATORS
 STATISTICAL FUNCTIONS

CORRELATORS
Devices that detect weak signals in noise by performing an electronic operation.
 UF Autocorrelators
 Cross-correlators
 Synchronous correlators
 Synchronous detectors

RT CORRELATION TECHNIQUES

CORROSION
 UF Corrosion research
 Corrosive effects

RT DEGRADATION
 OXIDATION

CORROSION INHIBITION
 UF Corrosion inhibitors
 Corrosion prevention
 Rust prevention

NT CATHODIC PROTECTION
 RT COATINGS
 PROTECTIVE TREATMENTS

Corrosion inhibitors
 USE CORROSION INHIBITION

Corrosion prevention
 USE CORROSION INHIBITION

Corrosion research
 USE CORROSION

CORROSION-RESISTANT ALLOYS
 BT ALLOYS

Corrosive effects
 USE CORROSION

Convexity theorem
 USE CONVEX SETS

CONVEYORS
 UF Chutes
 Tramways
 Transfer trays

Convulsants
 USE CNS STIMULANTS

CONVULSIVE DISORDERS
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 Myoclonus
 Tetany

BT PATHOLOGY
 NT EPILEPSY

COOLANTS
 UF Heat transfer fluids
 RT REFRIGERANTS

Coolers
 USE COOLING

COOLING
 UF Coolers
 NT FILM COOLING
 TRANSPIRATION COOLING

RT ABLATION

COOLING & VENTILATING EQUIPMENT
 NT AIR CONDITIONING EQUIPMENT
 REFRIGERATION SYSTEMS
 VENTILATION DUCTS

RT REFRIGERANTS
 VENTILATION

COPPER
 BT GROUP I ELEMENTS
 METALS

COPPER ALLOYS
 BT ALLOYS
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 Shroud lines

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 RT COATINGS
 PROTECTIVE TREATMENTS

Corrosion inhibitors
 USE CORROSION INHIBITION

Corrosion prevention
 USE CORROSION INHIBITION

Corrosion research
 USE CORROSION

CORROSION-RESISTANT ALLOYS
 BT ALLOYS

Corrosive effects
 USE CORROSION

Corticograms
 USE ELECTROENCEPHALOGRAPHY

Corticoids
 USE CORTICOSTEROID AGENTS

CORTICOSTEROID AGENTS
 UF Adrenal cortex hormones

Aldosterone
 Corticoids
 Corticosterone
 Cortisone
 Dca
 Deoxycorticosterones
 Electrocortin
 Hydrocorticosterone
 Prednisolone
 Triamcinolone

BT HORMONES
 RT DRUGS

Corticosterone
 USE CORTICOSTEROID AGENTS

Corticotropic
 USE ADRENOCORTICOTROPIC HORMONES

Cortisone
 USE CORTICOSTEROID AGENTS

CORUNDUM
 UF Emery
 NT RUBY
 RT ABRASIVES

Cosmic particles
 USE COSMIC RAYS

COSMIC RAYS
 UF Cosmic particles
 RT CHARGED PARTICLES
 ELECTROMS
 ELEMENTARY PARTICLES
 NEUTRONS
 NUCLEAR PARTICLES
 NUCLEONS
 PROTONS
 SPACE ENVIRONMENTAL CONDITIONS

Cosmonauts
 USE ASTRONAUTS

COSTS
 RT BUDGETS
 COMMERCE
 DISTRIBUTION (ECONOMICS)
 ECONOMICS
 INDUSTRIAL PRODUCTION
 WAGES

COTTON
 BT PLANTS (BOTANY)

Cotton dust
 USE COTTON TEXTILES

COTTON TEXTILES
 UF Cotton duct
 BT TEXTILES
 RT FIBERS

Cracked oil
 USE VEGETABLE OILS

Crackdown procedures
 USE CHECKOUT PROCEDURES

COUNTERMEASURES
COUNTING METHODS
 RT BLOOD COUNTS
 GAMMA COUNTERS
 GEIGER COUNTERS
 NEUTRON COUNTERS
 RADIATION MEASUREMENT SYSTEMS
 SAMPLERS
 SCALERS

COUPLED ANTENNAS
 BT ANTENNA CONFIGURATIONS
 ANTENNAS

COUPLERS
 NT WAVEGUIDE COUPLERS
 RT COUPLING CIRCUITS

COUPLING CIRCUITS
 BT CIRCUITS
 RT COUPLERS
 INVERTER CIRCUITS

COUPLINGS
 BT FITTINGS
 NT FLEXIBLE COUPLINGS
 HYDRAULIC COUPLINGS
 SELF-SEALING COUPLINGS

NT DISCONNECT FITTINGS
 ROSE FITTINGS
 SUSPENSION DEVICES

COURSE INDICATORS
 RT DRIFTMETERS
 RT DEAD RECKONING

THESAURUS OF FAA DESCRIPTORS

FLIGHT INSTRUMENTS
FLIGHT SPEED INDICATORS

Course mapping
 USE MAPPING and NAVIGATION

CRAB
(To turn an aircraft partly into the wind to compensate for drift.)
 UF Decrab
 BT FLIGHT
 RT SIDESLIP

Crabs
 USE CRUSTACEA

Cracking (Mechanical)
 USE FRACTURE (MECHANICS)

Cramer-Smirnov test
 USE STATISTICAL TESTS

Cranes
 USE HOISTS

Crank-Nicolson procedure
 USE NUMERICAL METHODS AND PROCEDURES

CRANKED WINGS
 UF Gull wings
 BT WINGS

CRASH TESTING
 BT TESTS
 RT AVIATION ACCIDENTS

CRASH VEHICLES
(Vehicles used in crash rescue or recovery operations.)
 BT VEHICLES
 RT AMBULANCES
 FIREFIGHTING VEHICLES
 RECOVERY VEHICLES

CRASHWORTHINESS
 BT AVIATION SAFETY

CREEP
(Slow plastic deformation under stress.)
 UF Plastic flow
 BT DEFORMATION
 MECHANICAL PROPERTIES

RT Ductility

CREW (AIR)
 USE FLIGHT CREWS

Criminal psychology
 USE CRIMINOLOGY

CRIMINOLOGY
 UF Criminal psychology
 BT SOCIOLOGY
 RT ABNORMAL PSYCHOLOGY

Cross-correlators
 USE CORRELATORS

CRUCIFORM WINGS
 BT AERODYNAMIC CONFIGURATIONS
 WINGS

CRUISING
 BT FLIGHT

CRUSTACEA
 UF Crustaceans
 Chira
 Daphnia
 Lobsters
 Shrimps

BT ANIMALS

CRYOGENIC STORAGE DEVICES
 UF Cryostats
 BT COMPUTER STORAGE DEVICES
 RT SEMICONDUCTORS
 SUPERCONDUCTIVITY
 THIN FILMS STORAGE DEVICES.

CRYOGENICS
(Studies of temperatures below 120 K.)
 RT LIQUIFIED GASES
 LOW-TEMPERATURE RESEARCH
 PHYSICS
 SUPERCONDUCTIVITY

Cryostats
 USE CRYOGENIC STORAGE DEVICES

CRYOSTATS
 BT TEMPERATURE CONTROL
 THERMOSTATS

CRYSTAL DETECTORS
 BT COMMUNICATION EQUIPMENT
 RADIO EQUIPMENT
 RT CRYSTAL VIDEO RECEIVERS
 WIRELESS ELECTRONIC

Crystal diffraction
 USE CRYSTAL LATTICE EFFECTS

CRYSTAL FILTERS
 BT FILTERS (ELECTROMAGNETIC WAVE)
 RT BAND-PASS FILTERS
 PIEZOELECTRIC CRYSTALS
 RADIO-FREQUENCY FILTERS

CRYSTAL FILTERS (Con.)
 TUNED CIRCUITS

CRYSTAL GROWTH
 UF Growth crystals
 NT EPITAXIAL GROWTH

CRYSTAL HOLDERS
 (Permanent mounting of crystals)

CRYSTAL LATTICE DEFECTS
 UF Crystal dislocations

CRYSTAL MIXERS
 BT DIODES (SEMICONDUCTOR)
 MIXERS (ELECTRONIC)

CRYSTAL OSCILLATORS
 BT OSCILLATORS
 RT ELECTRON TUBES
 RADIOFREQUENCY OSCILLATORS

CRYSTAL RECTIFIERS
 BT RECTIFIERS
 RT DIODES (SEMICONDUCTOR)
 FULL WAVE RECTIFIERS
 TRANSFORMERS

CRYSTAL STRUCTURE
 NT SYMMETRY
 (CRYSTALLOGRAPHY)
 RT ANISOTROPY
 CRYSTALLIZATION
 CRYSTALS
 ISOTROPISM
 METALLOGRAPHY
 MICROSTRUCTURE
 STRUCTURAL PROPERTIES
 X-RAY DIFFRACTION ANALYSIS

CRYSTAL STRUCTURES
 RT MICROSTRUCTURE

CRYSTAL VIDEO RECEIVERS
 UF Video receivers (Radar crystal)
 RT CRYSTAL DETECTORS
 RADAR RECEIVERS
 VIDEO AMPLIFIERS

Crystalline lens
 USE EYE

CRYSTALLIZATION
 RT CRYSTAL STRUCTURE

CRYSTALS
 NT FERROELECTRIC CRYSTALS
 METALLIC CRYSTALS
 PIEZOELECTRIC CRYSTALS
 SINGLE CRYSTALS
 RT CRYSTAL STRUCTURE
 FERROELECTRIC MATERIALS
 GRAIN STRUCTURES
 (METALLURGY)
 PARAMAGNETIC MATERIALS

Cubic equations
 USE EQUATIONS

CULTURE
 RT SOCIOLOGY

Cumulative frequency functions
 USE STATISTICAL FUNCTIONS

CUMULONIMBUS CLOUDS
 UF Thunderclouds
 BT CLOUDS

CUMULUS CLOUDS
 BT CLOUDS

Curing
 USE AGING (MATERIALS)

Curvacy
 USE MONEY

Curves (Electric)
 USE ELECTRIC CURRENTS

CURVED PROFILES
 BT GEOMETRIC FORMS
 RT BLUNT BODIES
 BODIES OF REVOLUTION
 ELLIPSOIDS
 HEMISPHERICAL SHELLS
 HORNOCOCOQUES
 CONES
 PARABOLIC BODIES
 SPHERES

CUT-OFF VALVES
 BT VALVES

CW radar
 USE CONTINUOUS WAVE RADAR

Cyclohexanone
 USE VITAMIN B COMPLEX

Cyanophyte
 USE ALGAE

CYBERNETICS
 RT ARTIFICIAL INTELLIGENCE
 BIONICS
 HUMAN ENGINEERING
 MAN-MACHINE SYSTEMS
 PATTERN RECOGNITION

Cyclic variations
 USE PERIODIC VARIATIONS

CYCLONES
 (Areas of relatively low atmospheric pressure. Excludes storms associated with cyclones)
 UF Lows (Atmospheric)
 BT METEOROLOGICAL PHENOMENA
 RT ANTICYCLONES
 STORMS
 TROPICAL CYCLONES

Cyclotron targets
 USE PARTICLE ACCELERATOR TARGETS

CYCLOTRONS
Cylinder liners
 USE COMBUSTION CHAMBER LINERS

CYLINDRICAL BODIES
 BT BODIES OF REVOLUTION
 GEOMETRIC FORMS
 NT STIFFENED CYLINDERS

D

DACRON
 RT PARACHUTE FABRICS

DAMAGE
 UF Battle damage
 NT NUCLEAR EXPLOSION DAMAGE
 RADIATION DAMAGE
 RT EXPLOSION EFFECTS
 EXPLOSIONS
 EXPLOSIVE DECOMPRESSION
 PENETRATION
 VULNERABILITY

DAMPING
 (The suppression of motion in a vibrating or oscillating system usually by conversion to heat)
 RT HYSTERESIS
 MOTION
 OSCILLATION
 RESONANCE
 VIBRATION

Daphnia
 USE CRUSTACEA

Dark adaptation
 USE ADAPTATION (PHYSIOLOGY)
 AND VISION

Dark trace tubes
 USE CATHODE RAY TUBES

DATA
 (Methods or equipment for the collection, evaluation, analysis, interpretation of data of various kinds)
 RT FLIGHT PROGRESS STRIPS

DATA LINE
 (A communication in channel used for transmitting digital data without paper tape units or radio equipment)
 RT DATA TRANSMISSION SYSTEMS

DATA PROCESSING SYSTEMS
 RT COMPUTERS
 ELECTRONIC ACCOUNTING MACHINES
 UPDATING (COMPUTERS)

DATA STORAGE SYSTEMS
 BT COMPUTER STORAGE DEVICES
 RT MAGNETIC TAPE
 PUNCHED TAPE
 THIN FILMS (STORAGE DEVICES)

DATA TRANSMISSION SYSTEMS
 RT COMMUNICATION SYSTEMS
 COMPUTERS
 DATA LINE
 ELECTRONIC ACCOUNTING MACHINES

DATA charts
 USE ATMOSPHERICS

Daylight
 USE LIGHT

Dea
 USE CORTICOSTEROID AGENTS

De Moivre distributions
 USE STATISTICAL DISTRIBUTIONS

DE-ICING MATERIALS
DE-ICING SYSTEMS
 (Equipment that prevents the formation of ice on aircraft in flight. For the prevention of ice formation on other surfaces see ICE PREVENTION)
 UF Electrical de-icing
 BT AIRCRAFT EQUIPMENT
 RT ICE-FORMATION INDICATORS

DEAD RECKONING
 UF Basic dead reckoning
 Precision dead reckoning
 BT NAVIGATION
 RT COURSE INDICATORS
 POSITION FIXING

DEAFNESS
 UF Aviation deafness
 RT HEARING THRESHOLDS (PHYSIOLOGY)

Decay (Materials)
 USE DEGRADATION

DECELERATION
 BT MOTION
 RT ACCELERATION
 VELOCITY

DECISION MAKING
Deck coverings
 USE FLOOR COVERINGS

DECOMPOSITION
 (Bre. of chemicals into simpler constituents. For reversible molecular breakdown see DISSOCIATION. For impairment of physical properties of materials etc see DEGRADATION)
 BT CHEMICAL REACTIONS
 NT ELECTROLYSIS
 HYDROLYSIS

DECOMPRESSION
 RT EXPLOSIVE DECOMPRESSION
 NT PRESSURE

DECOMPRESSION SICKNESS
 UF Bends (Physiology)
 Dysbarism
 RT EXPLOSIVE DECOMPRESSION
 GAS EMBOLISM

DECONTAMINATION
 RT CONTAMINATION
 RADIATION HAZARDS
 RADIOACTIVE WASTE

Deer
 USE CRAB

DEFENSE SYSTEMS
 NT AIRCRAFT DEFENSE SYSTEMS
 ANTI-AIRCRAFT DEFENSE SYSTEMS
 CIVIL DEFENSE SYSTEMS
 FAMILY WARNING SYSTEMS
 NATIONAL DEFENSE WARNING SYSTEMS
 WEAPONS

DEFLECTION
DEFLECTION
 (Change in shape of a body caused by stress)
 UF Flaring
 BT MECHANICAL PROPERTIES
 NT BUCKLING (MECHANICS)
 CREEP
 RT ELASTICITY
 EXTENSOMETERS
 PLASTICITY
 TENSILE PROPERTIES

Defibrillators
 USE DEFRUITING

DEFRUITING
 UF Defibrators
 RT RADAR BEACONS
 RADAR EQUIPMENT

Degeneration (Biology)
 USE AGING (PHYSIOLOGY)

DEGRADATION
 (Impairment of some physical property, usually of materials and systems. For breakdown of chemicals into distinct parts see DECOMPOSITION)
 UF Decay (Materials)
 Deterioration
 NT FUNGUS DETERIORATION
 RT AGING (MATERIALS)
 CORROSION
 FAILURE (MECHANICS)

Dehydrators
 USE DRIERS (APPARATUS)

Dehydrating agents
 USE DESICCANTS

DEHYDRATION
 RT CHEMICAL REACTIONS
 DESICCANTS
 METABOLISM

Dehydrators
 USE DRIERS (APPARATUS)

Dehydrogenases
 USE OXIDOREDUCTASES

DELAY
DELAY CIRCUITS
 (Circuits in which the output signal is delayed by a specified time interval with respect to the input signal)
 BT CIRCUITS
 RT TIMING CIRCUITS

Delay distortion
 USE PHASE DISTORTION

DELAY LINES
 UF Mercury delay lines
 Solid delay lines
 Supersonic delay lines
 Ultrasonic delay lines
 Video delay lines
 BT COMPUTER STORAGE DEVICES
 RT TRANSMISSION LINES

DELTA WINGS
 UF Arrow wings
 Triangular wings
 BT AERODYNAMIC CONFIGURATIONS
 WINGS

Demodulation
 USE MODULATION

DENSIMETERS
 UF Density sensitive indicators
 Hydrometers
 Pycnometers
 BT METERS

DENSITY
 RT MOLECULAR WEIGHT

Density sensitive indicators
 USE DENSIMETERS

Dental plaques
 USE TEETH

Dentures
 USE TEETH

Department of Commerce
 USE UNITED STATES GOVERNMENT

DEPARTMENT OF DEFENSE
 RT AIR FORCE
 ARMED FORCES (UNITED STATES)
 ARMY
 COAST GUARD
 UNITED STATES GOVERNMENT

Department of State
 USE UNITED STATES GOVERNMENT

DEPARTURE
 (The act of an aircraft from the time it leaves the APRON until it is out of the terminal control area)
 BT FLIGHT
 RT TAKE-OFF
 RT FLIGHT PATHS

Departure control
 USE ATC TERMINAL AREA

Depositing stations
 USE RANGES (ESTABLISHMENTS)

Depth perception
 USE SPACE PERCEPTION

Desargues's Theorem
 USE PROJECTIVE GEOMETRY

DESCENT
 UF Landing
 Sinking
 BT FLIGHT
 RT APPROACH
 FLAREOUT
 FLIGHT PATHS
 GLIDE PATH
 LANDING

DESERT
 BT TERRAIN

DESICCANTS
 UF Dehydrating agents
 Driers (Chemical)
 Drying agents
 RT ABSORPTION
 DETERIORATION

Desiccators
 USE DRIERS (APPARATUS)

DESIGN
Designs (Mathematics)
 USE COMBINATORIAL ANALYSIS

Desoxycorticosterones

USE CORTICOSTEROID AGENTS

Desoxyephedrine

USE AMPHETAMINES

DETECTION

BT ACOUSTIC DETECTORS
IDENTIFICATION SYSTEMS
TARGET RECOGNITION

RT DETECTORS
DIRECTION FINDING STATIONS
MOVING-TARGET INDICATORS
OPTICAL TARGET DESIGNATORS
PHOTODIODES
PLAN POSITION INDICATORS
POSITION FINDING
RADAR TRACKING
RADIATION MEASUREMENT SYSTEMS
RANGES (DISTANCE)
SOUND RANGING
TARGET POSITION INDICATORS
TRACKING
WARNING SYSTEMS

DETECTORS

UF Locators

NT ACOUSTIC DETECTORS
IDENTIFICATION SYSTEMS

RT DETECTION
POSITION FINDING
RADAR EQUIPMENT
RADIATION MEASUREMENT SYSTEMS COMPO
RANGES (DISTANCE)
TARGET RECOGNITION
TRACKING

Deterioration

USE DEGRADATION

DETONATIONS

(Chemical reactions in materials that produce vigorous evolution of heat and sparks or flame and move through the materials at a speed greater than that of sound. For studies of the energy released by detonations and the effects thereof, see EXPLOSIONS.)

BT EXPLOSIONS

DETONATORS

UF Blasting caps
Percussion detonators
Primer-detonators

RT EXPLOSIVE INITIATORS

DEW POINT

BT HUMIDITY

Dextro-amphetamine sulfate

USE AMPHETAMINES

DIAGNOSIS

(Identification of a disease from its signs or symptoms. For determination of general state of health, etc., see MEDICAL EXAMINATION.)

UF Diagnostic methods

RT BALLISTOCARDIOGRAPHY
BIOCHEMISTRY
BLOOD COUNTS
DISEASES
ELECTROCARDIOGRAPHY
ELECTROENCEPHALOGRAPHY
ETIOLOGY
MEDICAL EXAMINATION
MEDICINE
PATHOLOGY

Diagnostic methods

USE DIAGNOSIS

Diamagnetic properties

USE MAGNETIC PROPERTIES

Diamine

USE HYDRAZINES

DIAMONDS

UF Industrial diamonds

BT CARBON
MINERAL PRODUCTS

RT ABRASIVES

Dialtherapy

USE ELECTROTHERAPY

DICTIONARIES

UF Encyclopedias

DIELECTRIC FILMS

BT DIELECTRICS

FILMS**DIELECTRIC PROPERTIES**

(Properties of dielectrics and electric insulators excludes electric

properties of conductors and semiconductors.)

BT ELECTRICAL PROPERTIES

RT DIELECTRICS
ELECTRIC INSULATION
ELECTRICAL IMPEDANCE
RESISTANCE (ELECTRICAL)

DIELECTRICS

NT DIELECTRIC FILMS

RT DIELECTRIC PROPERTIES
ELECTRIC INSULATION
RESISTANCE (ELECTRICAL)

DIES

RT MACHINE TOOLS

SMALL TOOLS

DIESEL ENGINES

BT INTERNAL COMBUSTION ENGINES

Diesel fuels

USE FUEL OIL

DIET

UF Dietetics
Therapeutic diet

RT FOOD
NUTRITION
THERAPY

Dietetics

USE DIET

DIFFERENCE EQUATIONS

UF Dirichlet difference problem
Laplace difference equations
Minimum distance method
Poisson difference equations
Stochastic difference equations

Differential analyzers

USE ANALOG COMPUTERS

Differential discriminators

USE PULSE HEIGHT ANALYZERS

DIFFERENTIAL EQUATIONS

UF Beam equations
Coefficient determination
Gradient equation
Hills equation
Limit cycles
Mathieu differential equation
Pendulum type equations
Riccati equation
Stability criteria
Timoshenko beam equation

RT BOUNDARY VALUE PROBLEMS

Differential games

USE GAME THEORY

DIFFERENTIAL GEOMETRY

UF Conservation laws (Mathematical)
Exterior differential systems
Spinor connection

DIFFRACTION

BT OPTICAL PROPERTIES

RT DISTORTION
FOCUSING
LIGHT TRANSMISSION
REFLECTION
REFRACTION

DIFFRACTION ANALYSIS

NT X-RAY DIFFRACTION ANALYSIS

DIFFRACTION GRATINGS

UF Gratings (Optics)
Planar gratings

BT OPTICAL EQUIPMENT
COMPONENTS

DIFFUSERS

UF Supercharger diffusers

NT EXHAUST DIFFUSERS
SUPERSONIC DIFFUSERS

RT GAS TURBINE NOZZLES
NOZZLES
WIND TUNNEL NOZZLES

DIFFUSION

RT SCATTERING
TRANSPORT PROPERTIES

Digestive system

USE GASTROINTESTINAL SYSTEM

DIGITAL COMPUTERS

BT COMPUTERS

RT ANALOG COMPUTERS
ANALOG-DIGITAL COMPUTERS
ELECTRONIC ACCOUNTING MACHINES
PROGRAMMING (COMPUTERS)
SPECIAL PURPOSE COMPUTERS

DIGITAL RECORDING SYSTEMS

BT RECORDING DEVICES

RT ELECTRONIC RECORDING SYSTEMS

DIGITAL SYSTEMS

RT ANALOG SYSTEMS

DIGITAL-TO-ANALOG CONVERTERS

BT INPUT-OUTPUT DEVICES

RT ANALOG-TO-DIGITAL CONVERTERS

DIMENSIONS

JF Height
Length
Width

DIODES

NT DIODES (ELECTRON TUBES)
DIODES (SEMICONDUCTOR)
TUNNEL DIODES
VARACTOR DIODES

RT ELECTRON TUBE PARTS
ELECTRON TUBES
SEMICONDUCTOR DEVICES

DIODES (ELECTRON TUBES)

UF Double diodes
Twin diodes (Electron tubes)

BT DIODES
ELECTRON TUBES

DIODES (SEMICONDUCTOR)

UF Twin diodes (Semiconductor)

BT DIODES
SEMICONDUCTOR DEVICES

NT CRYSTAL MIXERS
TUNNEL DIODES
VARACTOR DIODES

RT CRYSTAL RECTIFIERS
ELECTRON TUBES
PHOTOELECTRIC CELLS (SEMICONDUCTOR)
TRANSISTORS

DIODES (SEMICONDUCTORS)

BT SEMICONDUCTOR DEVICES

Dipodometers

USE OPHTHALMOLOGY

DIOXIDES

BT OXIDES

NT CARBON DIOXIDE
MONOXIDES
OXYGEN

Dipodomys

USE RODENTS

DIPOLE ANTENNAS

BT ANTENNA CONFIGURATIONS
ANTENNAS

Dirac delta functions

USE SPECIAL FUNCTIONS (MATHEMATICAL)

DIRECT CURRENT

BT ELECTRIC CURRENTS
ELECTRICITY

Direction finders

USE DIRECTION FINDING

DIRECTION FINDING

(The determination of the direction from which a signal originates. Also, the relative position of, or direction taken by, an aircraft, bomb, etc., with respect to a point and line reference in a horizontal plane.)

UF Bearing finding
Direction finders
Direction finding antennas
Heading
Infrared bearing finders
Infrared direction finders
Radio direction finding

NT DIRECTION FINDING SIGNALS
DIRECTION FINDING STATIONS

RT ATTITUDE INDICATORS
COMPASSES
PLAN POSITION INDICATORS
POSITION FINDING
POSITION FINDING INSTRUMENTS
RADIO COMPASSES
RANGES (DISTANCE)
SEXTANTS

Direction finding antennas

USE Antennas and DIRECTION FINDING

DIRECTION FINDING SIGNALS

BT DIRECTION FINDING SIGNALS

RT REACONS

POSITION FINDING

RANGES (DISTANCE)

DIRECTION FINDING STATIONS

BT DIRECTION FINDING

RT DETECTION
POSITION FINDING

RANGES (DISTANCE)

TRACKING

DIRECTORIES

RT CATALOGS
LIBRARIES
MILITARY PUBLICATIONS

Dirichlet difference problem

USE DIFFERENCE EQUATIONS

Dirichlet series

USE SERIES

Dirigibles

USE AIRSHIPS

DISASTERS

RT ACCIDENTS
CASUALTIES
EXPLOSIONS
FIRES
FLOODS
HAZARDS
SURVIVAL

DISCHARGE TUBES

BT ELECTRON TUBES

RT COLD CATHODE TUBES
VOLTAGE REGULATORS

DISCONNECT FITTINGS

BT FITTINGS

RT COUPLINGS
HOSE FITTINGS
HYDRAULIC COUPLINGS

Discrete harmonic functions

USE FUNCTIONS

Discriminants

USE ALGEBRA

DISCRIMINATORS

(Devices in which the magnitude and polarity of the output voltage depend on the difference between the input signal and either a standard or another signal.)

RT PULSE HEIGHT ANALYZERS

DISEASES

(Specific diseases are indexed by the descriptor DISEASES and the descriptor representing the etiologic agent. If no causative organism is known, the descriptor representing the organ affected is used in addition to the descriptor DISEASES.)

UF Bronchiectasis
Cerebrovascular disease
Muscular atrophy
Otitis
Respiratory diseases

NT ATHEROSCLEROSIS
BLOOD DISORDERS
INFECTIONS
METABOLISM DISORDERS

RT DIAGNOSIS

ETIOLOGY

DISKS

BT BODIES OF REVOLUTION
GEOMETRIC FORMS

RT RINGS

DISPERSION HARDENING

UF Precipitation hardening

BT HARDENING

DISPLAY SYSTEMS

UF Distance-to-go-markers
Radar display systems

NT PLAN POSITION INDICATORS
STEREOSCOPIC DISPLAY SYSTEMS

RT TELEVISION DISPLAY SYSTEMS

CATHODE RAY TUBE SCREENS

COMMUNICATION EQUIPMENT

IMAGES

PHOTOCHROMISM

RADAR EQUIPMENT

RADAR IMAGES

VIEWING SCREENS

DISPOSAL**DISTANCE MEASURING EQUIPMENT**

UF DME

Distance-to-go-markers

USE Display systems and RUNWAYS

Distant field

USE FAR FIELD

DISTILLATION

UF Fractionation

BT PURIFICATION

DISTORTION

(Changes in the shapes of images)

BT OPTICAL PROPERTIES

DISTORTION (Con.)
 RT DIFFRACTION
 FOCUSING
 ILLUMINATION
 LIGHT TRANSMISSION
 REFLECTION
 REFRACTION

DISTRESS SIGNALS
 BT SIGNALS

Distribution
 USE FUNCTIONAL ANALYSIS

DISTRIBUTION (ECONOMICS)
 NT INDUSTRIAL PROCUREMENT
 INDUSTRIAL PROCUREMENT
 RT COMMERCE
 COSTS
 INDUSTRIAL PRODUCTION

Distribution functions
 USE STATISTICAL FUNCTIONS

DISTRIBUTION THEORY
 UF Minkusinski's theory
 Schwartz's theory

Distribution-free tests
 USE STATISTICAL TESTS

DITCHING
 RT ABANDONMENT
 AVIATION ACCIDENTS
 BAILOUT
 SEA RESCUES

DIURETICS
 UF Aldosterone antagonists
 Thiazide diuretics
 RT DRUGS

DIURNAL VARIATIONS
 BT PERIODIC VARIATIONS
 RT SEASONAL VARIATION

Dive flaps
 USE AIR BRAKE FLAPS

Divergent integrals
 USE INTEGRALS

DIVERSITY RADAR
(Radar that uses two or more transmitters and receivers, each pair operating at a slightly different frequency, and video display.)
 BT RADAR

DIVERSITY RECEPTION
(Radio reception in which the effects of fading are minimized by combining two or more sources of signal energy carrying the same modulation.)
 BT RADIO RECEPTION

Divided differences
 USE NUMERICAL ANALYSIS

Dizziness
 USE VERTIGO

DME
 USE DISTANCE MEASURING EQUIPMENT

Doctors
 USE MEDICAL PERSONNEL

DOCUMENTATION
 NT ABSTRACTS
 BIBLIOGRAPHIES
 CATALOGS
 CLASSIFICATION
 INDEXES
 RECORDS
 REPORTS
 SUBJECT INDEXING
 RT INFORMATION RETRIEVAL
 LIBRARIES
 MACHINE TRANSLATION
 REVIEWS
 VOCABULARY

Doebelin's theory
 USE PROBABILITY

DOGS
 BT ANIMALS
 MAMMALS

DOMESTIC

DOPPLER EFFECT
 UF Doppler shift

DOPPLER NAVIGATION
 BT NAVIGATION
 RT DOPPLER RADAR
 DOPPLER SYSTEMS
 RADAR NAVIGATION
 RADIO NAVIGATION

DOPPLER RADAR
 BT RADAR
 RT DOPPLER NAVIGATION

Doppler shift
 USE DOPPLER EFFECT

DOPPLER SYSTEMS
 UF Doppler tracking systems
 RT DOPPLER NAVIGATION
 RANGE FINDING
 RANGES (DISTANCE)
 SOUND RANGING

Doppler tracking systems
 USE DOPPLER SYSTEMS and TRACKING

DOSAGE
(The amount of therapeutic or toxic agent to which an organism is exposed. For exposure to nuclear radiation, see RADIOLOGICAL DOSAGE.)
 UF Dosage determination
 RT LETHAL DOSAGE
 RT DRUGS
 TOXIC TOLERANCES

Dosage determination
 USE DOSAGE

DOSE RATE
(Radiological dosage delivered per unit time.)
 BT RADIATION HAZARDS
 RADIOLOGICAL DOSAGE
 DOSIMETERS
 RADIOACTIVE WASTE
 RADIOLOGICAL CONTAMINATION

DOSIMETERS
(Instruments that measure radiological dosage.)
 UF Film badges
 BT METERS
 RT CONTAMINATION
 DOSE RATE
 RADIATION EFFECTS
 RADIATION HAZARDS
 RADIATION MONITORS
 RADIOLOGICAL DOSAGE

Double diodes
 USE DIODES (ELECTRON TUBES)

Downdrafts
 USE CONVECTION

DOWNWASH
 BT FLUID DYNAMIC PROPERTIES
 RT GROUND EFFECT
 LIFT
 SLIPSTREAM
 THRUST
 WAKE

DRAG
 UF Area rule
 BT AERODYNAMIC FORCES
 FLUID DYNAMIC PROPERTIES
 RT ANGLE OF ATTACK
 AREA SUCTION
 BOUNDARY LAYER
 BOUNDARY LAYER CONTROL
 BOUNDARY LAYER TRANSITION
 LIFT
 THRUST
 TURBULENCE
 WAKE

DRAG PARACHUTES
 BT PARACHUTES
 RT BRAKES
 TOWED BODIES

DRAINAGE
 BT HYDROLOGY
 RT EROSION

DRAWING (MACHINE PROCESSING)
 BT MATERIAL FORMING

DRIERS (APPARATUS)
 UF Dehumidifiers
 Dehydrators
 Desiccators
 Dryers
 Drying ovens

DRIFT
Drift signals
 USE SIGNALS

DRIFTMETERS
 BT COURSE INDICATORS

DRILLING MACHINES
 BT MACHINE TOOLS
 RT INDUSTRIAL EQUIPMENT
 MACHINES
 SMALL TOOLS

DRILLS
 UF Augers
Drive chains
 USE DRIVES

DRIVE SHAFTS
 BT SHAFTS

RT TRANSMISSIONS

DRIVES
(Devices that permit the application of power from motors to controlled movement of driven elements in a system.)
 UF Camshaft drives
 Constant-speed drives
 Drive chains
 RT ELECTROMAGNETIC DRIVES
 MAGNETIC DRIVES

Drives (Psychology)
 USE MOTIVATION

Drogues
 USE TOWED BODIES

DRONES
 UF Amphibious drones
 Pilotless aircraft
 Ship drones
 BT AIRCRAFT
 RT TARGET DRONES
 AERIAL TARGETS
 TEST VEHICLES

Drooped ailerons
 USE AILERONS

DROPS
 BT FLUIDS
 PARTICLES
 RT LIQUIDS
 SPRAYS

DRUGS
 BT PHARMACOLOGY
 RT ALKALOIDS
 ANTIBIOTICS
 ANTIEMETICS
 ANTIMISTAMINICS
 ANTIMOTION SICKNESS AGENTS
 AUTONOMIC AGENTS
 RADIOACTIVE AGENTS
 CHEMOTHERAPEUTIC AGENTS
 CNS DEPRESSANTS
 CNS STIMULANTS
 CORTICOSTEROID AGENTS
 DIURETICS
 DOSAGE
 HORMONES
 PSYCHOTROPIC AGENTS
 RADIOACTIVE ISOTOPES
 RADIOPROTECTIVE AGENTS
 VASOACTIVE AGENTS

Dryers
 USE DRIERS (APPARATUS)

Dryers (Chemical)
 USE DESICCANTS

Drying agents
 USE DESICCANTS

Drying ovens
 USE DRIERS (APPARATUS)

DUAL-ROTATION PROPELLERS
 RT PROPELLERS (AERIAL)
 TAIL HELICOPTER ROTORS

DUCT INLETS
 UF Scoops (Aerodynamics)
 BT DUCTS
 RT AERODYNAMIC SLOTS
 DUCTED BODIES
 INLET GUIDE VANES
 JET ENGINE INLETS
 ORIFICES
 WING INLETS

DUCTED BODIES
 RT AERODYNAMIC CONFIGURATIONS
 AERODYNAMIC SLOTS
 DUCT INLETS
 DUCTS
 INLET GUIDE VANES
 ORIFICES
 WIND TUNNEL MODELS

DUCTED FANS
 UF Tilt propellers
 BT FANS
 RT AXIAL-FLOW FANS
 SHROUDED PROPELLERS
 TURBOFAN ENGINES

Ducted propellers (Ext. shroud)
 USE SHROUDED PROPELLERS

DUCTED PROPELLERS (INTERNAL DUCTING)
 USE JET HELICOPTER ROTORS

DUCTILITY
 BT MECHANICAL PROPERTIES
 RT CREEP
 PLASTICITY

Ductless glands
 USE ENDOCRINE GLANDS

DUCTS
 NT DUCT INLETS
 RT AERODYNAMIC SLOTS
 DUCTED BODIES
 ORIFICES

Duffing type nonlinear wave equation
 USE NONLINEAR DIFFERENTIAL EQUATIONS

Duffing equation
 USE NONLINEAR DIFFERENTIAL EQUATIONS

Duodenam
 USE INTESTINES

DYES
 UF Sulfur dyes

DYNAMICAL SYSTEMS (TRANSFORMATIONS)
 USE TOPOLOGY

DYNAMICS
 UF Kinetics
 BT MECHANICS
 NT AERODYNAMICS
 HYDRODYNAMICS
 RT FLUID MECHANICS
 QUANTUM MECHANICS
 STATICS

DYNAMOMETERS
(Instruments for measuring or testing the torque or driving power of motors or other machines.)

Dybarism
 USE DECOMPRESSION SICKNESS

Dyspnea
 USE PATHOLOGY and RESPIRATION

Dysprosium compounds
 USE RARE EARTH COMPOUNDS

E

E-functions
 USE SPECIAL FUNCTIONS (MATHEMATICAL)

EAR
 UF Canal sickness
 Cochlea
 Labyrinth (Ear)
 Otitis
 Stapes
 Tympanic cavity
 Tympanic membrane
 NT SEMICIRCULAR CANALS
 VESTIBULAR APPARATUS
 RT AUDITORY NERVE
 END ORGANS
 HEARING

EARLY WARNING SYSTEMS
(Systems that warn of enemy attack in time for retaliatory as well as defensive measures.)
 BT WARNING SYSTEMS
 RT ANTI-AIRCRAFT DEFENSE SYSTEMS
 CIVIL DEFENSE SYSTEMS
 DEFENSE SYSTEMS

EARPHONES
 UF Headphones
 BT COMMUNICATION EQUIPMENT

EARTH
 BT PLANETS

Eclampsia
 USE CONVULSIVE DISORDERS

Economic aspects
 USE ECONOMICS

Economic conditions
 USE ECONOMICS

ECONOMICS
 UF Economic aspects
 Economic conditions
 RT AGRICULTURE
 COMMERCE
 COSTS
 GEOGRAPHY
 INDUSTRIAL PLANTS
 INDUSTRIAL RELATIONS
 INDUSTRIES
 LAND USE

EDUCATION

THESAURUS OF FAA DESCRIPTORS

EDUCATION
 UF Literacy
 Literacy
 Teaching
 RT INSTRUCTORS
 READING
 STUDENTS
Educators
 USE JET PUMPS
EFFECTIVENESS
Eigen vectors
 USE MATRIX ALGEBRA
Eigen-functions
 USE FUNCTIONS
Eigenfunction series
 USE SERIES
Eisenstein series
 USE SERIES
EJECTION
 RT JET PUMPS
EJECTION SEATS
 BT AIRCRAFT EQUIPMENT
 AIRCRAFT SEATS
 JETTISONABLE EQUIPMENT
 RT JETTISONABLE COCKPITS
 PILOT SEATS
Ejector cartridges
 USE CARTRIDGES (PAD)
Ejectors (Fluid)
 USE JET PUMPS
ELASTIC SHELLS
 BT STRUCTURAL SHELLS
Elastic waves
 USE MECHANICAL WAVES
ELASTICITY
 BT MECHANICAL PROPERTIES
 NT AEROELASTICITY
 AEROTHERMOELASTICITY
 PHOTOELASTICITY
 RT DEFORMATION
 PLASTICITY
 STRESSES
 TENSILE PROPERTIES
 VISCOELASTICITY
ELASTOMERS
 NT RUBBER
 SYNTHETIC RUBBER
 RT PLASTICS
ELECTRIC ARCS
 BT ELECTRIC DISCHARGES
 RT SPARKS
ELECTRIC BRIDGES
 NT IMPEDANCE BRIDGES
ELECTRIC CABLES
 UF Audiofrequency cables
 Cables (Electrical)
 Power distribution cables
 Stranded conductors
 NT COAXIAL CABLES
 RT ELECTRIC INSULATION
 ELECTRIC WIRE
 FIELD WIRE
 TRANSMISSION LINES
 WIRE
Electric clocks
 USE CLOCKS
ELECTRIC CONNECTORS
 UF Jacks (Electricity)
 Plugs (Electricity)
 RT ELECTRIC WIRE
 FITTINGS
Electric cord
 USE ELECTRIC WIRE
ELECTRIC CURRENTS
 UF Currents (Electrical)
 BT ELECTRICITY
 NT ALTERNATING CURRENT
 DIRECT CURRENT
 SPARKS
 RT LIGHTNING
ELECTRIC DISCHARGES
 BT ELECTRICITY
 NT ELECTRICAL ARCS
 ELECTRICAL CORONA
 GAS DISCHARGES
 GLOW DISCHARGES
 LIGHTNING
 SPARKS
 RT VAN DE GRAFF GENERATORS
ELECTRIC FIELDS
 NT ELECTROSTATIC FIELDS
 RT ELECTROMAGNETIC FIELDS
 ELECTROSTATICS
 FIELD EMISSION

ELECTRIC FILTERS
 BT FILTERS (ELECTROMAGNETIC
 WAVE)
 NT MATCHED FILTERS
 RT ELECTRICAL NETWORKS
ELECTRIC INSULATION
 UF Insulation (Electric)
 Insulators (Electric)
 RT ASBESTOS
 DIELECTRIC PROPERTIES
 DIELECTRICS
 ELECTRIC CABLES
 RESISTANCE (ELECTRICAL)
ELECTRIC MOMENTS
 BT POLARIZATION
 RT MAGNETIC MOMENTS
 MOMENTS
ELECTRIC MOTORS
 RT GENERATORS
 POWER EQUIPMENT PARTS
ELECTRIC POTENTIAL
 UF Potential (Electric)
 Voltage
 Voltage changes
ELECTRIC POWER PRODUCTION
 BT POWER EQUIPMENT
 RT ELECTROMAGNETS
 GENERATORS
 MOTOR GENERATORS
 NUCLEAR POWER PLANTS
 PERMANENT MAGNET
 GENERATORS
 POWER SUPPLIES
 POWER TRANSFORMERS
 SOLAR PANELS
ELECTRIC PROPULSION
 BT PROPULSION
 RT ROCKET PROPULSION
ELECTRIC RELAYS
 BT RELAYS
 RT ELECTRIC SWITCHES
 ELECTRONIC RELAYS
ELECTRIC SWITCHES
 UF Knife switches
 NT CHANNEL SELECTORS
 CIRCUIT BREAKERS
 ROTARY SWITCHES
 THERMAL SWITCHES
 TOGGLE SWITCHES
 TRANSFER SWITCHES
 RT ELECTRIC RELAYS
 ELECTRONIC SWITCHES
 MAGNETIC CORES
 RELAYS
 SOLENOIDS
 SWITCHING CIRCUITS
ELECTRIC WIRE
 (Single, unstranded conductors only.
 For stranded and multiple
 conductors in bundles, use
 ELECTRIC CABLES.)
 UF Electric cord
 BT WIRE
 RT COAXIAL CABLES
 ELECTRIC CABLES
 ELECTRIC CONNECTORS
 FIELD WIRE
 TRANSMISSION LINES
ELECTRIC CONDUCTANCE
 UF Conductivity (Electrical)
 BT CONDUCTIVITY
 ELECTRICAL PROPERTIES
 PHOTOCONDUCTIVITY
 SUPERCONDUCTIVITY
 RT RESISTANCE (ELECTRICAL)
 SEMICONDUCTORS
ELECTRIC CORONA
 UF Point discharge
 BT ELECTRIC DISCHARGES
 ELECTRICITY
 GLOW DISCHARGES
 RT GAS DISCHARGES
Electrical de-icing
 USE DE-ICING SYSTEMS
Electrical effects
 USE ELECTRICAL PROPERTIES
ELECTRICAL ENGINEERING
 BT ENGINEERING
 RT ELECTRONICS
ELECTRICAL EQUIPMENT
 NT BATTERIES & COMPONENTS
 MINIATURE ELECTRICAL
 EQUIPMENT
 RT ELECTRONIC EQUIPMENT
 MEASURING DEVICES (ELEC AND
 ELECTR)

ELECTRICAL IMPEDANCE
 UF Impedance (Electrical)
 BT ELECTRICAL PROPERTIES
 RT DIELECTRIC PROPERTIES
 IMPEDANCE MATCHING
ELECTRICAL NETWORKS
 BT NETWORKS
 RT ELECTRIC FILTERS
 TRANSMISSION LINES
ELECTRICAL PROPERTIES
 (Effects produced in equipment or
 materials by electric currents or
 fields. Also, the reactions of
 equipment and materials to electric
 currents and fields.)
 UF Electrical effects
 NT CAPACITANCE
 DIELECTRIC PROPERTIES
 ELECTRICAL CONDUCTANCE
 ELECTRICAL IMPEDANCE
 ELECTROSTRICTION
 HALL EFFECT
 PHOTOCONDUCTIVITY
 PIEZOELECTRIC EFFECT
 RESISTANCE (ELECTRICAL)
 SUPERCONDUCTIVITY
 RT HYSTERESIS
ELECTRICAL SYSTEMS
 USE AIRCRAFT SYSTEMS
ELECTRICITY
 NT ALTERNATING CURRENT
 ATMOSPHERIC ELECTRICITY
 ATMOSPHERICS
 DIRECT CURRENT
 ELECTRIC CURRENTS
 ELECTRIC DISCHARGES
 ELECTRICAL CORONA
 FERROELECTRICITY
 IONIC CURRENT
 LIGHTNING
 SPARKS
 STATIC ELECTRICITY
 THERMOELECTRICITY
 RT ELECTROMAGNETISM
 GAS DISCHARGES
 GLOW DISCHARGES
**ELECTROACOUSTIC
 TRANSDUCERS**
 UF Electrostatic transducers
 BT ACOUSTIC EQUIPMENT
 TRANSDUCERS
 NT MICROPHONES
 RT SOUND GENERATORS
ELECTROCARDIOGRAPHY
 UF Vector electrocardiography
 BY CARDIOGRAPHY
 RT BALLISTOCARDIOGRAPHY
 DIAGNOSIS
 HEART
ELECTROCHEMISTRY
 BT CHEMISTRY
 PHYSICAL CHEMISTRY
Electrochromatography
 USE CHROMATOGRAPHIC ANALYSIS
Electrocortin
 USE CORTICOSTEROID AGENTS
ELECTRODES
 UF Gas electrodes
 NT ANODES
 ANODES (ELECTROLYTIC CELL)
 CATHODES
 CATHODES (ELECTRON TUBES)
ELECTROENCEPHALOGRAPHY
 UF Corticograms
 RT BRAIN
 DIAGNOSIS
ELECTROLUMINESCENCE
 BT LUMINESCENCE
 RT PHOSPHORUS
 SEMICONDUCTORS
ELECTROLYSIS
 BT CHEMICAL REACTIONS
 DECOMPOSITION
ELECTROLYTES
 RT BATTERIES & COMPONENTS
ELECTROLYTES (PHYSIOLOGY)
 RT BODY FLUIDS
ELECTROLYTIC CAPACITORS
 BT CAPACITORS
 RT VARIABLE CAPACITORS
ELECTROLYTIC POLISHING
 UF Electropolishing
 BT FINISHES & FINISHING
Electromagnetic absorption
 USE ATTENUATION

ELECTROMAGNETIC AMPLIFIERS
 RT OSCILLATORS
Electromagnetic clutches
 USE ELECTROMAGNETIC DRIVES
ELECTROMAGNETIC DRIVES
 UF Electromagnetic clutches
 BT DRIVES
 MAGNETIC DRIVES
Electromagnetic effects
 USE ELECTROMAGNETIC PROPERTIES
Electromagnetic factors
 USE ELECTROMAGNETIC PROPERTIES
ELECTROMAGNETIC FIELDS
 BT ELECTROMAGNETIC WAVES
 MAGNETIC FIELDS
 NT RADIO FIELDS
 RT ELECTRIC FIELDS
 ELECTROMAGNETISM
ELECTROMAGNETIC LENSES
 UF Radiofrequency lenses
 BT LENSES
 RT ANTENNA RADIATION PATTERNS
 ELECTRON LENSES
 OPTICAL FILTERS
ELECTROMAGNETIC PROPERTIES
 (Response of equipment or materials to
 an electromagnetic field. Also, the
 ability of equipment or materials to
 produce electromagnetic fields.)
 UF Electromagnetic effects
 Electromagnetic factors
 Reluctance
 NT HALL EFFECT
 RT ELECTROMAGNETIC SHIELDING
 ELECTROMAGNETISM
 THERMOELECTRICITY
ELECTROMAGNETIC PULSES
 UF Pulses (Electromagnetic)
 BT ELECTROMAGNETIC WAVES
 NT LIGHT PULSES
 RADAR PULSES
 RADIOFREQUENCY PULSES
ELECTROMAGNETIC PUMPS
 BT PUMPS
 RT LIQUID METAL PUMPS
ELECTROMAGNETIC SHIELDING
 RT ELECTROMAGNETIC PROPERTIES
 ELECTROMAGNETISM
 SHIELDING
 SUPPRESSORS
Electromagnetic theory
 USE ELECTROMAGNETISM
ELECTROMAGNETIC WARFARE
 BT WARFARE
 NT ELECTRONIC
 COUNTERMEASURES
 RADAR ANTIJAMMING
 RADAR DECEPTION
 RADAR INTERCEPTION
 RADAR JAMMING
 RADIO JAMMING
**ELECTROMAGNETIC WAVE
 REFLECTIONS**
 BT ELECTROMAGNETIC WAVES
 NT RADAR REFLECTIONS
 RT OPTICS
 REFLECTION
ELECTROMAGNETIC WAVES
 UF Radiation (Electromagnetic)
 Waves (Electromagnetic)
 NT BEAMS (ELECTROMAGNETIC)
 BLACKBODY RADIATION
 Cerenkov radiation
 ELECTROMAGNETIC FIELDS
 ELECTROMAGNETIC PULSES
 ELECTROMAGNETIC WAVE
 REFLECTIONS
 GAMMA RAYS
 INFRARED RADIATION
 LIGHT
 LIGHT PULSES
 MICROWAVES
 MILLIMETER WAVES
 MONOCHROMATIC LIGHT
 RADAR PULSES
 RADAR SIGNALS
 RADIO BEAMS
 RADIO FIELDS
 RADIO SIGNALS
 RADIO WAVES
 RADIOFREQUENCY PULSES
 ULTRAVIOLET RADIATION
 X RAYS
 RT ANGLE OF ARRIVAL
 FREQUENCY
 MAGNETOHYDRODYNAMICS

ELECTROMAGNETIC WAVES (Con.)

MECHANICAL WAVES
RADIO TRANSMISSION

ELECTROMAGNETISM

UF Electromagnetic theory
RT ELECTRICITY
ELECTROMAGNETIC FIELDS
ELECTROMAGNETIC PROPERTIES
ELECTROMAGNETIC SHIELDING
MAGNETISM
MAGNETS

ELECTROMAGNETS

BT MAGNETS
RT COILS
ELECTRIC POWER PRODUCTION
GENERATORS
POWER EQUIPMENT
POWER EQUIPMENT PARTS
POWER SUPPLIES
POWER TRANSFORMERS

Electromechanical actuators
USE SYNCHROS

ELECTROMECHANICAL CONVERTERS

(Devices that convert electrical to mechanical energy.)

ELECTROMETERS

(Devices that convert electrical to mechanical energy.)

ELECTRON BEAMS

ELECTRON BOMBARDMENT

RT SECONDARY EMISSION

Electron charge

USE ELECTRONS

ELECTRON DENSITY

ELECTRON GUNS

BT ELECTRON TUBE PARTS
RT CATHODE RAY TUBES
ELECTRON TUBES

ELECTRON LENSES

BT LENSES
RT ELECTROMAGNETIC LENSES

Electron mass

USE ELECTRONS

ELECTRON MICROSCOPY

BT MICROSCOPY
RT ELECTRON OPTICS
SPECTROSCOPY

ELECTRON OPTICS

BT OPTICS
RT ELECTRON MICROSCOPY

Electron tube oscillators

USE OSCILLATORS

ELECTRON TUBE PARTS

NT CATHODE RAY TUBE SCREENS
CATHODES (ELECTRON TUBES)
ELECTRON GUNS
OXIDE CATHODES

RT DIODES
OSCILLATORS
SEMICONDUCTOR DEVICES

ELECTRON TUBES

NT BACKWARD-WAVE TUBES
CAMERA TUBES
CATHODE RAY TUBES
CESIUM ELECTRON TUBES
COLD CATHODE TUBES
COLOR TELEVISION TUBES
DIODES (ELECTRON TUBES)
DISCHARGE TUBES
ICONOSCOPES
IMAGE TUBES
KLYSTRONS
MAGNETRONS
PENTODES
PHOTOMULTIPLIERS
PHOTOTUBES
STORAGE TUBES
TETRODES
TRAVELING-WAVE TUBES
TRIODES

RT CRYSTAL OSCILLATORS
DIODES
DIODES (SEMICONDUCTOR)
ELECTRON GUNS
ELECTRONIC EQUIPMENT
MODULATORS
OSCILLATORS
OXIDE CATHODES
RELAXATION OSCILLATORS
RESONATORS
SEMICONDUCTOR DEVICES
TEST EQUIPMENT
(ELECTRONICS)
TRANSISTORS

ELECTRONIC ACCOUNTING MACHINES

RT COMPUTERS

DATA PROCESSING SYSTEMS
DATA TRANSMISSION SYSTEMS
DIGITAL COMPUTERS
INFORMATION RETRIEVAL
PUNCHED CARDS

ELECTRONIC

COUNTERMEASURES

BT ELECTROMAGNETIC WARFARE

ELECTRONIC EQUIPMENT

UF Electronic recognition systems
NT ELECTRONIC RECORDING SYSTEMS
MINIATURE ELECTRONIC EQUIPMENT
SUBMINIATURE ELECTRONIC EQUIPMENT
RT ELECTRICAL EQUIPMENT
ELECTRON TUBES
MICROMINIATURIZATION (ELECTRONICS)
MODULES (ELECTRONIC)
MOLECULAR ELECTRONICS

Electronic intelligence

USE RADAR INTERCEPTION

Electronic recognition systems

USE ELECTRONIC EQUIPMENT and IDENTIFICATION SYSTEMS

ELECTRONIC RECORDING SYSTEMS

BT ELECTRONIC EQUIPMENT RECORDING SYSTEMS
NT SOUND REPRODUCTION SYSTEMS
RT DIGITAL RECORDING SYSTEMS RECORDING DEVICES

ELECTRONIC RELAYS

BT ELECTRONIC SWITCHES RELAYS
RT ELECTRIC RELAYS

ELECTRONIC SCANNERS

BT SCANNING
RT OPTICAL SCANNING
RADAR SCANNING
RADIO SCANNING

ELECTRONIC SWITCHES

NT ELECTRONIC RELAYS
RT ELECTRIC SWITCHES SWITCHING CIRCUITS
TEST EQUIPMENT (ELECTRONICS)

ELECTRONICS

BT SCIENTIFIC RESEARCH
RT ELECTRICAL ENGINEERING PHYSICS

ELECTRONS

UF Electron charge
Electron mass
BT CHARGED PARTICLES
ELEMENTARY PARTICLES
NUCLEONS
RT COSMIC RAYS

ELECTROOPTICAL PHOTOGRAPHY

BT PHOTOGRAPHY

ELECTROPHORESIS

UF Cataphoresis
RT COLLOIDS

ELECTROPHOTOGRAPHY

UF Xerography
BT PHOTOGRAPHY

Electropolishing

USE ELECTROLYTIC POLISHING

ELECTROSCOPES

BT ELECTRIC FIELDS
RT ELECTROSTATICS

ELECTROSTATIC FIELDS

BT ELECTRIC FIELDS
RT ELECTROSTATICS

ELECTROSTATIC GENERATORS

NT VAN DE GRAAFF GENERATORS

ELECTROSTATIC PRECIPITATION

UF Electrostatic precipitators
Precipitation (Electrostatic)

Electrostatic precipitators

USE ELECTROSTATIC PRECIPITATION

Electrostatic transducers

USE ELECTROACOUSTIC TRANSDUCERS

ELECTROSTATICS

RT CAPACITANCE
ELECTRIC FIELDS
ELECTROSTATIC FIELDS
STATIC ELECTRICITY

ELECTROSTRICTION

BT ELECTRICAL PROPERTIES
RT MAGNETOSTRICTION
MECHANICAL PROPERTIES

PIEZOELECTRIC EFFECT

POLARIZATION

ELECTROTHERAPY

(The therapeutic use of electricity.)
Excludes electric shock treatment.)

UF Diathermy
Short wave therapy

BT THERAPY

ELEMENTARY PARTICLES

NT ELECTRONS
FAST NEUTRONS
NEUTRONS
NUCLEONS
PROTONS

RT CHARGED PARTICLES
COSMIC RAYS
GAMMA RAYS
PARTICLES

ELEVATORS

BT AERODYNAMIC CONFIGURATIONS
AERODYNAMIC CONTROL SURFACES
CONTROL SURFACES
TRAILING CONTROL SURFACES

RT AILERONS
AIR BRAKE FLAPS
SLOTTED FLAPS
SPLIT FLAPS
TRIM TABS

ELLIPSOIDS

BT BODIES OF REVOLUTION
GEOMETRIC FORMS

RT CURVED PROFILES
MONOCOQUES
OGIVES
PARABOLIC BODIES

Elliptic differential equations

USE PARTIAL DIFFERENTIAL EQUATIONS

Elliptic systems

USE PARTIAL DIFFERENTIAL EQUATIONS

Embedding theory

USE ALGEBRA

EMBRYOS

UF Fetus
Lithopedion

RT PREGNANCY

Emergency escape hatches

USE HATCHES

EMERGENCY PROCEDURES

BT AVIATION SAFETY

Emery

USE CORUNDUM

EMESIS

UF Vomiting
RT ANTIEMETICS

EMISSIVITY

(The ratio of the radiation emitted by a surface to the radiation emitted by a blackbody at the same temperature and under similar conditions.)

BT THERMAL RADIATION

RT BLACKBODY RADIATION
HEAT TRANSFER
INTENSITY

EMOTIONS

NT ANXIETY
FEAR

RT ABNORMAL PSYCHOLOGY
BEHAVIOR
PSYCHIATRY
PSYCHOLOGY
REACTION (PSYCHOLOGY)
REASONING
STRESS (PSYCHOLOGY)

EMPLOYEE RELATIONS

NT LABOR UNIONS
RT INDUSTRIAL RELATIONS
JOB ANALYSIS
LABOR PERSONNEL MANAGEMENT

Emulsions

USE COLLOIDS

Enamel coatings

USE CERAMIC COATINGS

Encyclopedias

USE DICTIONARIES

END ORGANS

UF Neurotendinous spindles

RT EAR
EYE
NOSE

ENDOCRINE GLANDS

UF Ductless glands
BT GLANDS

NT ADRENAL GLANDS
THYROID GLAND

RT BODY
HORMONES
SEX GLANDS

Endotoxins

USE TOXINS AND ANTITOXINS

Endurance limit (Mathematics)

USE STATISTICAL ANALYSIS

ENERGY

RT POWER

ENERGY CONVERSION

RT FUEL CELLS
HEAT EXCHANGERS
PHOTOELECTRIC CELLS
SOLAR CELLS

ENERGY MANAGEMENT

ENGINE AIR SYSTEMS COMPONENTS

RT AIR EJECTORS
FUEL FILTERS
FUEL SYSTEMS

ENGINE FUEL SYSTEMS COMPONENTS

NT FUEL FILTERS
FUEL GAGES
FUEL INJECTORS
FUEL METERS

RT ENGINE STRUCTURES
FUEL HOSE
FUEL PUMPS
FUEL SYSTEMS
FUEL TANKS

ENGINE NACELLES

BT NACELLES
NT JET ENGINE NACELLES
RT AIRCRAFT PROTUBERANCES
AIRFRAMES

ENGINE NOISE

BT NOISE
NT AIRPLANE ENGINE NOISE
HELICOPTER ENGINE NOISE
JET ENGINE NOISE
ROCKET MOTOR NOISE

ENGINE STARTERS

UF Airplane engine starters
Gas turbine starters
Starter cartridges

BT ENGINE STRUCTURES
RT IGNITION SYSTEMS
STARTING

ENGINE STRUCTURE

NT PISTON RINGS

ENGINE STRUCTURES

NT ENGINE STARTERS
IGNITION SYSTEMS
PISTON RINGS
PISTONS
SHAFTS

RT ENGINE FUEL SYSTEMS
COMPONENTS
FUEL METERS
FUEL SYSTEMS

ENGINE SURGE

ENGINEERING

NT CIVIL ENGINEERING
ELECTRICAL ENGINEERING
ENGINEERING GEOLOGY
MINING ENGINEERING
SYSTEMS ENGINEERING

RT ARMED FORCES RESEARCH
HUMAN ENGINEERING
INDUSTRIAL RESEARCH
OPERATIONS RESEARCH
RESEARCH PROGRAM
ADMINISTRATION
SCIENTIFIC RESEARCH

ENGINEERING GEOLOGY

BT ENGINEERING GEOLOGY

RT MINING ENGINEERING

ENGINEERING PERSONNEL

BT PROFESSIONAL PERSONNEL
RT AVIATION PERSONNEL
GOVERNMENT EMPLOYEES
INSTRUCTORS
MAINTENANCE PERSONNEL
MILITARY PERSONNEL
SCIENTIFIC PERSONNEL

Enroute

USE AIR ROUTES

ENTEROBACTERIACEAE

BT BACTERIA
NT KLEBSIELLA

ENTHALPY

BT THERMODYNAMICS

Entire functions

ENTHALPY (Con.)
 RT ENTROPY
Entire functions
 USE FUNCTIONS
ENTROPY
 BT THERMODYNAMICS
 RT ENTHALPY
Entropy functions
 USE FUNCTIONS
Enumeration theory
 USE COMBINATORIAL ANALYSIS
ENVIRONMENTAL TESTS
 BT TESTS
 NT COLD WEATHER TESTS
 TROPICAL TESTS
ENZYMES
 NT HYDROLASES
 OXIDOREDUCTASES
 PHOSPHORIC MONOESTER
 HYDROLASES
 PHOSPHORUS TRANSFERASES
 RT PROTEINS
EOSINOPHILS
 BT BLOOD
 BLOOD CELLS
 CELLS (BIOLOGY)
 LEUKOCYTES
 RT HEMATOLOGY
 HEMOPOIETIC SYSTEM
 LYMPHOCYTES
 RETICULOENDOTHELIAL SYSTEM
EPIDEMIOLOGY
 RT MEDICINE
EPILEPSY
 BT CONVULSIVE DISORDERS
EPINEPHRINE
 UF Adrenalin
 BT ADRENAL MEDULLA HORMONES
 ALTONOMIC AGENTS
 HORMONES
 SYMPATHOMIMETIC AGENTS
 RT LEVARTERENOL
 VASOACTIVE AGENTS
EPITAXIAL GROWTH
 BT CRYSTAL GROWTH
EPOXY PLASTICS
 UF Epoxy resins
 BT PLASTICS
 THERMOSETTING PLASTICS
Epoxy resins
 USE EPOXY PLASTICS
EQUATIONS
 UF Cubic equations
 Functional equations
 Linear equations
 Riemann's functional equation
 Secular equations
 Sourian-Franks characteristic equation
 Transcendental equations
EQUATIONS OF STATE
 RT THERMODYNAMICS
EQUATORIAL ORBIT
TRAJECTORIES
 BT ORBITAL TRAJECTORIES
Equilibrators
 USE STABILIZATION SYSTEMS
Erbium compounds
 USE RARE EARTH COMPOUNDS
EROSION
(The carrying away of surface materials, as of the earth's crust by running water or rocket motor nozzles by exhaust flames. For deliberate permission of erosion to counteract heating, see ABLATION.)
 RT ABLATION
 DRAINAGE
 HYDROLOGY
Error functions
 USE SPECIAL FUNCTIONS
 (MATHEMATICAL)
ERRORS
ERYTHROCYTES
 UF Megaloblasts
 Nucleocytes
 BT BLOOD
 BLOOD CELLS
 CELLS (BIOLOGY)
 RT BLOOD COUNTS
 HEMATOLOGY
 HEMOGLOBIN
 HEMOPOIETIC SYSTEM
 RETICULOENDOTHELIAL SYSTEM
Esaki diodes
 USE TUNNEL DIODES

Escape (Abandonment)
 USE ABANDONMENT
Escape hatches
 USE HATCHES
ESOPHAGUS
 UF Gullet
 BT GASTROINTESTINAL SYSTEM
 RT THROAT
Estimators variability
 USE STATISTICAL ANALYSIS
Ethnology
 USE ANTHROPOLOGY
ETIOLOGY
 RT DIAGNOSIS
 DISEASES
 PATHOLOGY
Euglenophyta
 USE ALGAE
EULER'S ANGLES
Euler's equations
 USE PARTIAL DIFFERENTIAL EQUATIONS
Europium compounds
 USE RARE EARTH COMPOUNDS
EUTECTICS
 BT MIXTURES
 RT ALLOYS
 SOLUTIONS
EVAPORATION
(The change from the liquid or solid state to a gas. For the intentional production of vapor, see VAPORIZATION.)
 RT VAPORIZATION
Exceedences
 USE STATISTICAL ANALYSIS
EXCITATION
EXCRETION
 UF Oliguria
 RT PERSPIRATION
EXERCISE
 UF Gymnastics
EXHAUST DIFFUSERS
 BT DIFFUSERS
 EXHAUST SYSTEMS
 RT EXHAUST NOZZLES
 SUPERSONIC DIFFUSERS
EXHAUST FAIRINGS
 BT AERODYNAMIC CONFIGURATIONS
 FAIRINGS
 RT EXHAUST NOZZLES
 JET ENGINE FAIRINGS
EXHAUST FLAMES
 BT FLAMES
 RT EXHAUST GASES
 EXHAUST SYSTEMS
EXHAUST GASES
 BT COMBUSTION PRODUCTS
 RT COMBUSTION CHAMBER GASES
 COMBUSTION DEPOSITS
 EXHAUST FLAMES
 EXHAUST SYSTEMS
Exhaust gases (Industrial waste)
 USE WASTE GASES
EXHAUST NOZZLES
(EXCLUDES ROCKET MOTOR NOZZLES.)
 BT EXHAUST SYSTEMS
 NOZZLES
 NT RAMJET ENGINE NOZZLES
 THRUST AUGMENTOR NOZZLES
 TURBOJET EXHAUST NOZZLES
 RT CONICAL NOZZLES
 EXHAUST DIFFUSERS
 EXHAUST FAIRINGS
 GAS TURBINE NOZZLES
 ROCKET MOTOR NOZZLES
 SUBSONIC NOZZLES
EXHAUST SYSTEMS
 NT EXHAUST DIFFUSERS
 EXHAUST NOZZLES
 RT EXHAUST FLAMES
 EXHAUST GASES
 GAS-GENERATING SYSTEMS
Exhaust trails
 USE CONDENSATION TRAILS
Exotoxins
 USE Toxins
 and TOXINS AND ANTITOXINS
EXPANDED PLASTICS
 UF Cellular plastics
 Foamed plastics
 Plastic foams
 Sponge plastics
 BT PLASTICS

RT ISOCYANATE PLASTICS
Experimental animals
 USE LABORATORY ANIMALS
EXPERIMENTAL DATA
Exploding bridgewires
 USE EXPLODING WIRES
EXPLODING WIRES
 UF Exploding bridgewires
 BT EXPLOSIVE INITIATORS
EXPLOSION EFFECTS
 NT BLAST
 NUCLEAR EXPLOSION DAMAGE
 SHOCK WAVES
 RT DAMAGE
 EXPLOSIONS
 EXPLOSIVE DECOMPRESSION
 PENETRATION
 VULNERABILITY
Explosion waves (Shock)
 USE SHOCK WAVES
EXPLOSIONS
 NT DETONATIONS
 NUCLEAR EXPLOSIONS
 UNDERGROUND EXPLOSIONS
 RT ACCIDENTS
 DAMAGE
 DISASTERS
 EXPLOSION EFFECTS
 VULNERABILITY
EXPLOSIVE ACTUATORS
(Devices that employ the energy supplied by the gases produced by explosions to accomplish or initiate mechanical actions, other than expelling projectiles.)
 UF Explosive bolts
 Release mechanisms (Pad)
 Removers (pad)
 Thrusters
 BT ACTUATORS
 RT CARTRIDGES (PAD)
 EXPLOSIVE INITIATORS
Explosive bolts
 USE EXPLOSIVE ACTUATORS
EXPLOSIVE DECOMPRESSION
 BT DECOMPRESSION
 RT DAMAGE
 DECOMPRESSION SICKNESS
 EXPLOSION EFFECTS
EXPLOSIVE INITIATORS
 UF Squibs
 BT FUZE FUNCTIONING ELEMENTS
 NT EXPLODING WIRES
 RT DETONATORS
 EXPLOSIVE ACTUATORS
Exponential functions
 USE SPECIAL FUNCTIONS
 (MATHEMATICAL)
EXPOSURE
EXPOSURE SUITS
 BT CLOTHING
 PROTECTIVE CLOTHING
EXTENDABLE STRUCTURES
 BT STRUCTURES
 RT INFLATABLE STRUCTURES
EXTENSOMETERS
(Instruments for measuring minute deformations of test specimens under stress.)
 BT METERS
 RT DEFORMATION
 STRAIN GAGES
 STRESSES
Exterior differential systems
 USE DIFFERENTIAL GEOMETRY
EXTERNAL STORES
 UF Tip tanks
 Wing tip tanks
 BT JETTISONABLE EQUIPMENT
 RT FUEL TANKS
Extrapolation of data
 USE MATHEMATICAL PREDICTION
Extraterrestrial life
 USE SPACE BIOLOGY
EXTREMELY HIGH FREQUENCY
(30,000 to 300,000 mc.)
 BT FREQUENCY
 MICROWAVE FREQUENCY
 RADIOFREQUENCY
 RT MILLIMETER WAVES
EXTREMELY LOW FREQUENCY
(3 to 3,000 cps.)
 UF Superlow frequency
 Ultralow frequency
 BT FREQUENCY

EXTREMITIES
 UF Limbs
 BT BODY
 NT ARMS
 LEGS
 RT HEAD
EXTRUSION
 BT MATERIAL FORMING
EYE
 UF Choroid
 Crystalline lens
 Lens (Crystalline)
 Nystagmus
 Pupil
 NT CORNEA
 RETINA
 RT END ORGANS
 PHOTORECEPTORS
 VISION
EYEGASSES
 UF Contact lenses
 Glasses
 Goggles
 Protective spectacles
 Spectacle frames
 Sunglasses
 RT PROSTHETICS
 PROTECTIVE CLOTHING

F

FAA
 USE FEDERAL AVIATION AGENCY
Fabrics
 USE TEXTILES
Face
 USE HEAD
Facsimile code generators
 USE FACSIMILE EQUIPMENT
FACSIMILE COMMUNICATION SYSTEMS
 BT COMMUNICATION SYSTEMS
 NT FACSIMILE TRANSMISSION
FACSIMILE EQUIPMENT
 UF Facsimile code generators
 Facsimile receiver converters
 BT COMMUNICATION EQUIPMENT
 RT PHOTOGRAPHIC EQUIPMENT
Facsimile receiver converters
 USE FACSIMILE EQUIPMENT
FACSIMILE TRANSMISSION
 BT FACSIMILE COMMUNICATION SYSTEMS
FACTOR ANALYSIS
 UF Configurational scoring
 Principal component analysis
 Profit analysis
 Successive intervals method
 Thurstone's successive intervals
Factorial experiments
 USE COMBINATORIAL ANALYSIS
Fading
 USE ATTENUATION
FAIL-SAFE
(The precautions taken in equipment design to ensure that the possibility of vital failures is avoided.)
 BT AVIATION SAFETY
 RT MALFUNCTIONS
Failure (Equipment)
 USE MALFUNCTIONS
FAILURE (MECHANICS)
 BT MECHANICAL PROPERTIES
 NT FRACTURE (MECHANICS)
 RUPTURE
 RT BRITTLENESS
 DEGRADATION
 FATIGUE (MECHANICS)
Fainting
 USE SYNCOPE
FAIRINGS
(Structures that provide smooth outlines, so as to reduce drag on aircraft or ships.)
 NT EXHAUST FAIRINGS
 JET ENGINE FAIRINGS
 SPINNERS
 RT AIRCRAFT EQUIPMENT
 JETTISONABLE EQUIPMENT

FAIRINGS (Con.)
 LANDING GEAR
 LANDING GEAR DOORS
 LANDING LIGHTS

FALLING BODIES
 RT PARACHUTE DESCENTS

Fallout
 USE RADIOACTIVE FALLOUT

FANS
 NT AXIAL-FLOW FANS
 DUCTED FANS
 RT COMPRESSORS
 TURBINES

FAR FIELD
 UF Distant field

Faraday effect
 USE MAGNETO-OPTIC EFFECT

FAST NEUTRONS
 BT ELEMENTARY PARTICLES
 NEUTRONS

FAST TIME
 RT COMPUTERS
 CONTROL SIMULATORS
 FLIGHT SIMULATORS

FATIGUE (MECHANICS)
 BT MECHANICAL PROPERTIES
 NT SONIC FATIGUE
 RT FAILURE (MECHANICS)

FATIGUE (PHYSIOLOGY)
 UF Mental fatigue

FATTY ACIDS
 BT LIPIDS

Fauces
 USE THROAT

FEAR
 BT EMOTIONS
 RT ABNORMAL PSYCHOLOGY
 ANXIETY
 PSYCHIATRY
 PSYCHOLOGY

FEASIBILITY STUDIES

FEDERAL AVIATION AGENCY
 UF FAA
 BT UNITED STATES GOVERNMENT

FEDERAL BUDGETS
 BT BUDGETS
 RT ARMED FORCES BUDGETS

Federal government
 USE UNITED STATES GOVERNMENT

Federal supplies
 USE LOGISTICS

FEEDBACK
 RT OSCILLATORS

FEEDBACK AMPLIFIERS
 BT AMPLIFIERS

Feedback oscillators
 USE OSCILLATORS

Feet
 USE LEGS

Ferric compounds
 USE IRON COMPOUNDS

FERRITES
 UF Ferrites
 RT FERROMAGNETIC MATERIALS

Ferroelectric crystals
 BT CRYSTALS
 FERROELECTRIC MATERIALS

Ferroelectric materials
 NT FERROELECTRIC CRYSTALS
 RT CRYSTALS
 FERROELECTRICITY
 FERROMAGNETISM

Ferroelectricity
 BT ELECTRICITY
 RT FERROELECTRIC MATERIALS
 PIEZOELECTRIC EFFECT
 POLARIZATION

Ferromagnetic materials
 BT MAGNETIC MATERIALS
 RT FERRITES
 FERROMAGNETISM
 PARAMAGNETIC MATERIALS

Ferromagnetism
 BT MAGNETISM
 RT ANTIFERROMAGNETISM
 FERROELECTRIC MATERIALS
 FERROMAGNETIC MATERIALS
 POLARIZATION

Ferrosplinite
 USE FERRITES

Ferrous compounds
 USE IRON COMPOUNDS

Fetus
 USE EMBRYOS

FEVERS
 UF Hyperpyrexia
 Hyperthermia
 Induced hyperthermia
 RT BODY TEMPERATURE

FIBER OPTICS
 (The controlled transmission of light longitudinally through bundles of fibers.)
 UF Fiberscopes
 Light pipes
 Optical bundles
 Optical fibers
 BT OPTICS
 RT LIGHT TRANSMISSION

Fiberglass
 USE GLASS TEXTILES

Fiberings
 USE ALGEBRAIC TOPOLOGY

FIBERS
 UF Threads
 Yarn
 NT ASBESTOS
 CERAMIC FIBERS
 FIBERS (SYNTHETIC)
 ORLON
 RT COTTON TEXTILES
 GLASS TEXTILES
 TEXTILES

FIBERS (SYNTHETIC)
 UF Plastic thread
 BT FIBERS
 NT CERAMIC FIBERS
 ORLON
 RT ASBESTOS
 NYLON
 TEXTILES

Fiberscopes
 USE FIBER OPTICS

Fibre bundles
 USE ALGEBRAIC TOPOLOGY

Fibre systems
 USE ALGEBRAIC TOPOLOGY

FIELD EMISSION
 RT ELECTRIC FIELDS
 SECONDARY EMISSION
 THERMIONIC EMISSION

Field equation
 USE PARTIAL DIFFERENTIAL EQUATIONS

FIELD THEORY
 UF Quantum electrodynamics
 Unified field theory

FIELD WIRE
 RT ELECTRIC CABLES
 ELECTRIC WIRE

FIELD WIRE COMMUNICATION SYSTEMS
 BT COMMUNICATION SYSTEMS
 RT TELEPHONE COMMUNICATION SYSTEMS

FIGHTERS
 BT AIRCRAFT
 AIRPLANES
 NT JET FIGHTERS
 RT ATTACK BOMBERS

FILAMENT WOUND CONSTRUCTION
 RT LAMINATED PLASTICS
 PRESSURE VESSELS
 REINFORCING MATERIALS
 STRUCTURAL PARTS

Film badge
 USE DOSIMETERS

FILM COOLING
 BT COOLING
 RT BOUNDARY LAYER

FILM PROJECTORS
 UF Projectors (Film)
 BT PHOTOGRAPHIC EQUIPMENT

FILM READERS
 UF Microfilm readers
 Microfilm selectors
 BT PHOTOGRAPHIC EQUIPMENT
 RT READING MACHINES

FILMS
 (Thin layers deposited on or adhering to surfaces for films used in photography, etc. see PHOTOGRAPHIC FILM and RADIOGRAPHIC FILM.)
 NT METAL FILMS
 SEMICONDUCTING FILMS

FILTERS (ELECTROMAGNETIC WAVE)
 NT BAND-PASS FILTERS
 CRYSTAL FILTERS
 ELECTRIC FILTERS
 LOW-PASS FILTERS
 MATCHED FILTERS
 OPTICAL FILTERS
 RADIOFREQUENCY FILTERS
 ULTRAVIOLET FILTERS
 VIDEO FILTERS
 WAVEGUIDE FILTERS
 RT OPTICAL EQUIPMENT COMPONENTS

FILTERS (ELECTROMAGNETIC)
 NT LOW-PASS FILTERS

FILTERS (FLUID)
 UF Porous filters
 NT AIR-INTAKE FILTERS
 FUEL FILTERS
 RT PURIFICATION

Final approach
 USE APPROACH

Final clearance
 USE CLEARANCE

Finances
 USE MONEY

Fingers
 USE ARMS

FINISHES
 NT CERAMIC COATINGS

FINISHES & FINISHING
 NT AIRCRAFT FINISHES
 ALUMINUM COATINGS
 ANTIFOULING COATINGS
 BITUMINOUS COATINGS
 CERAMIC COATINGS
 COATINGS
 ELECTROLYTIC POLISHING
 FIRE-RESISTANT COATINGS
 MACHINING
 METAL COATINGS
 MOISTUREPROOFING
 ORGANIC COATINGS
 PAINTS
 PHOSPHATE COATINGS
 PLASTIC COATINGS
 PLATING
 PROTECTIVE TREATMENTS
 REFRACTORY COATINGS
 RUBBER COATINGS
 VAPOR PLATING
 VARNISHES
 WEATHERPROOFING

FINS
 BT AERODYNAMIC CONFIGURATIONS
 AERODYNAMIC CONTROL SURFACES
 CONTROL SURFACES
 RT AERIAL RUDDERS
 AIRFOILS
 STABILIZERS (HORIZ. TAIL SURFACES)
 STABILIZERS (VERT. TAIL SURFACES)
 TRAILING CONTROL SURFACES

FIRE ALARM SYSTEMS
 UF Fire detectors
 Ultraviolet line detectors
 BT FIRE SAFETY
 WARNING SYSTEMS

FIRE CONTROL SYSTEMS
 NT AIRCRAFT FIRE CONTROL SYSTEMS
 RT BOMBING
 PLOTTERS
 TARGET DESIGNATORS

Fire detectors
 USE FIRE ALARM SYSTEMS

FIRE EXTINGUISHERS
 RT FIRE SAFETY
 SPRINKLERS

FIRE SAFETY
 BT SAFETY
 NT FIRE ALARM SYSTEMS
 FIRE EXTINGUISHERS
 FIREFIGHTING VEHICLES
 SPRINKLERS

FIRE-RESISTANT COATINGS
 UF Fire-resistant paints
 BT COATINGS
 FINISHES & FINISHING
 PROTECTIVE TREATMENTS

Fire-resistant paints
 USE FIRE-RESISTANT COATINGS

Fire-resistant plywood
 USE PLYWOOD

FIRE-RESISTANT TEXTILES
 BT TEXTILES
 RT ASBESTOS
 GLASS TEXTILES
 METALLIC TEXTILES

Firebrick
 USE REFRACTORY MATERIALS

FIREFIGHTING VEHICLES
 BT VEHICLES
 RT CRASH VEHICLES
 FIRE SAFETY
 RECOVERY VEHICLES

FIRES
 NT AIRCRAFT FIRES
 RT ACCIDENTS
 DISASTERS
 FLAMES

FIRING CIRCUITS
 (Electric circuits by means of which weapons, rockets, missiles, etc. are fired.)
 BT CIRCUITS

Firing test (Rocket)
 USE CAPTIVE TESTS

FIRST-AID
 UF Life saving
 RT ACCIDENTS
 WOUNDS & INJURIES

First-aid stations
 USE MEDICAL FACILITIES

Fiscal programs
 USE BUDGETS

Fission reactors
 USE NUCLEAR REACTORS

FITTINGS
 NT COUPLINGS
 DISCONNECT FITTINGS
 FLEXIBLE COUPLINGS
 HOSE FITTINGS
 HYDRAULIC COUPLINGS
 SELF-SEALING COUPLINGS
 SUSPENSION DEVICES
 RT ELECTRIC CONNECTORS

Fittings (Coverings)
 USE PROTECTIVE COVERINGS

FLAGS
 (Devices for visually indicating location of airfields.)
 UF Pennants

FLAME ARRESTERS
 UF Flame dampers
 RT COMBUSTION CHAMBERS

Flame dampers
 USE FLAME ARRESTERS

FLAME HOLDERS
 UF Jet flame holders
 RT COMBUSTION CHAMBERS

FLAME PROPAGATION
 RT PROPAGATION

FLAME SPRAYING
 RT COATINGS
 PLATING

FLAMEOUT

FLAMES
 NT EXHAUST FLAMES
 RT COMBUSTION
 COMBUSTION CHAMBER GASES
 FIRES
 FUELS

FLAMMABILITY
 UF Combustibility
 Inflammability

FLANGES
 UF Reinforced flanges
 BT STRUCTURAL PARTS
 RT METAL PLATES

FLAPS
 UF Nose flaps
 Stall control flaps
 BT AERODYNAMIC CONFIGURATIONS
 AERODYNAMIC CONTROL SURFACES
 CONTROL SURFACES
 NT AIR BRAKE FLAPS
 LEADING EDGE FLAPS
 SLOTTED FLAPS
 SPLIT FLAPS
 RT AERIAL RUDDERS
 JET FLAPS
 SPOILERS
 TRAILING CONTROL SURFACES

FLAREOU:

(Modification of the vertical component of approach of an aircraft to lessen landing impact.)

BT APPROACH
RT DESCENT
GLIDE PATH
LANDING

FLARES

UF Trip wire flares
BT PYROTECHNICS
RT ILLUMINATION
MARKER LIGHTS
SIGNAL LIGHTS
SIGNALS

Flash burns

USE BURNS

FLASH LAMPS

UF High-intensity flash lamps
Photoflash bulbs
BT PHOTOGRAPHIC EQUIPMENT

Flash soldering

USE SOLDERING

FLASHBLINDNESS

(Temporary loss of sight caused by eye injury resulting from viewing explosion flashes without adequate protection.)

RT VISION

FLASHLIGHTS

RT LIGHTING EQUIPMENT
SIGNAL LIGHTS

FLAT PLATE MODELS

BT AERODYNAMIC CONFIGURATIONS
MODELS (SIMULATIONS)

FLEETS

BT MILITARY ORGANIZATIONS

FLEXIBLE COUPLINGS

BT COUPLINGS
FITTINGS
FLEXIBLE STRUCTURES
STRUCTURES
RT HYDRAULIC COUPLINGS
SELF-SEALING COUPLINGS

FLEXIBLE STRUCTURES

BT STRUCTURES
NT FLEXIBLE COUPLINGS

Folding

USE DEFORMATION

FLIGHT

UF Bird flight
High-altitude flight

NT APPROACH
AUTOROTATION
BUFFETING
CLIMBING
CRAB
CRUISING
DEPARTURE
DESCENT
FLIGHT PLANS
FORMATION FLIGHT
HYPERSONIC FLIGHT
INSTRUMENT FLIGHT
NIGHT FLIGHT
OVERFLIGHT
PRESSURE PATTERN FLIGHT
SIDESLIP
SPACE FLIGHT
SUBSONIC FLIGHT
SUPERSONIC FLIGHT
TRANSITION FLIGHT
TRANSONIC FLIGHT
VISUAL FLIGHT

RT FLIGHT INSTRUMENTS
FLIGHT PATHS
LANDING
TAKE-OFF

Flight altitude indicators

USE ATTITUDE INDICATORS
FLIGHT CHARACTERISTICS
(Characteristics exhibited by an aircraft in flight: such as tendency to stall, yaw, etc.)

UF Lateral stability
Longitudinal stability
Vertical stability

RT FLIGHT CONTROL SYSTEMS
PITCH (MOTION)
ROLL
STABILIZATION SYSTEMS
YAW

FLIGHT CLOTHING

BT CLOTHING
PROTECTIVE CLOTHING

NT PRESSURE SUITS**FLIGHT CONTROL SYSTEMS**

BT AIRCRAFT SYSTEMS
CONTROL SYSTEMS
NT AERODYNAMIC CONTROL
SURFACES
ATTITUDE CONTROL SYSTEMS
BOUNDARY LAYER CONTROL
SYSTEMS
THRUST VECTOR CONTROL
SYSTEMS

RT FLIGHT CHARACTERISTICS

FLIGHT CREWS

UF Crew (air)
BT AVIATION PERSONNEL
RT MAINTENANCE PERSONNEL
MILITARY PERSONNEL
OFFICER PERSONNEL

FLIGHT INSTRUMENTS

NT AIRSPEED INDICATORS
ATTITUDE INDICATORS
FLIGHT SPEED INDICATORS
GROUND-POSITION INDICATORS
GROUND-SPEED INDICATORS
HORIZON SCANNERS
HORIZONTAL INDICATORS
MACHMETERS
RADIO ALTIMETERS
RATE-OF-CLIMB INDICATORS
STALL-WARNING INDICATORS
VERTICAL INDICATORS
YAWMETERS
RT AIRCRAFT EQUIPMENT
ALTIMETERS
CLOCKS
COCKPITS
COURSE INDICATORS
FLIGHT
GYROSCOPES
HEIGHT FINDING
INSTRUMENT DIALS
INSTRUMENT PANELS
POSITION FINDING

FLIGHT PATHS

(Paths traced by AIRCRAFT in flight. For paths traced by guided missiles, rockets, spacecraft, etc. see TRAJECTORIES.)

UF Trajectories (Aircraft)
NT AIR ROUTES
PRESSURE PATTERN FLIGHT
RT AIRSPACE

AIRWAYS
APPROACH
DEPARTURE
DESCENT
FLIGHT
FLIGHT PATTERNS
FORMATION FLIGHT
GLIDE PATH
LANDING

FLIGHT PATTERNS

(A graphic representation of a pre-established profile designed to facilitate an aircraft in flight.)

RT AIR ROUTE TRAFFIC CONTROL
AIR ROUTES
FLIGHT PATHS
FLIGHT PLANS

FLIGHT PLANS

UF Flight schedules
BT FLIGHT
RT AIR ROUTES
AIR TRAFFIC CONTROL SYSTEMS
AIRWAYS
FLIGHT PATTERNS
FLIGHT PROGRESS STRIPS

Flight position indicators

USE GROUND-POSITION INDICATORS

FLIGHT PROGRESS STRIPS

RT AIR TRAFFIC CONTROL SYSTEMS

DATA
FLIGHT PLANS
RECORDS

Flight recorders
USE Aircraft
and RECORDING DEVICES

Flight schedules

USE FLIGHT PLANS

FLIGHT SERVICE SPECIALISTS

BT AVIATION PERSONNEL
RT AIR TRAFFIC CONTROLLERS
RADAR OPERATORS
RADIO OPERATORS

FLIGHT SERVICE STATIONS

(Provides flight assistance service to commercial, military, and general aviation aircraft prior to and during the aircraft's flight. Relays air traffic control information between aircraft and other ATC facilities including centers, towers, and other stations.)

UF FSS
BT TERMINAL FLIGHT FACILITIES
RT AIR TRAFFIC CONTROL SYSTEMS
AIRPORTS

FLIGHT SIMULATORS

BT SIMULATION
RT CONTROL SIMULATORS
FAST TIME
FLUTTER SIMULATORS
GUIDED MISSILE SIMULATORS
SPECIAL PURPOSE COMPUTERS
TRAINING DEVICES

FLIGHT SPEED INDICATORS

BT FLIGHT INSTRUMENTS
NT AIRSPEED INDICATORS
GROUND-SPEED INDICATORS
MACHMETERS
STALL-WARNING INDICATORS
RT COURSE INDICATORS
RATE-OF-CLIMB INDICATORS

FLIGHT SPEEDS

UF Airplane speed
BT VELOCITY
NT MACH NUMBER
RT AIRSPEED
GROUND SPEED

FLIGHT SURGEONS

BT AVIATION PERSONNEL
MEDICAL PERSONNEL
MILITARY PERSONNEL

FLIGHT TESTING

BT TESTS

FLIGHT-CHECK**FLOATS**

UF Pontoons
NT SEAPLANE FLOATS
RT BUOYS

FLOODLIGHTS

BT LIGHTING EQUIPMENT
RT SEARCHLIGHTS

FLOODS

BT HYDROLOGY
RT DISASTERS

FLOOR COVERINGS

UF Aircraft floor coverings
Carpet
Deck coverings
Linoleum
Rugs

FLOORS

RT BUILDINGS
FOUNDATIONS (STRUCTURES)
Flow diagramming (Computers)
USE PROGRAMMING (COMPUTERS)

Flow graphs

USE STATISTICAL ANALYSIS

Flows (Topology)

USE ALGEBRAIC TOPOLOGY

FLUID DYNAMIC PROPERTIES

UF Aerodynamic properties
Hydrodynamic properties
NT AERODYNAMIC
CHARACTERISTICS
AERODYNAMIC HEATING
AREA SUCTION
BOUNDARY LAYER
BOUNDARY LAYER TRANSITION
DOWNWASH
DRAG
FLUTTER
GROUND EFFECT
HYPERSONIC CHARACTERISTICS
LAMINAR BOUNDARY LAYER
LIFT
REYNOLDS NUMBER
SUBSONIC CHARACTERISTICS
SUPERSONIC CHARACTERISTICS
TRANSONIC CHARACTERISTICS
TURBULENCE
TURBULENT BOUNDARY LAYER
RT AERODYNAMIC CONFIGURATIONS
FLUID MECHANICS
HYDRODYNAMIC
CONFIGURATIONS
HYDROPLANNING
MACH NUMBER
THREE-DIMENSIONAL FLOW

TWO-DIMENSIONAL FLOW**FLUID FLOW**

NT AXIALLY SYMMETRIC FLOW
BOUNDARY LAYER
COMPRESSIBLE FLOW
GAS FLOW
HYPERSONIC FLOW
INCOMPRESSIBLE FLOW
JET MIXING FLOW
JETS
LAMINAR BOUNDARY LAYER
LAMINAR FLOW
SPRAYS
SUBSONIC FLOW
THREE-DIMENSIONAL FLOW
TURBULENT BOUNDARY LAYER
TWO-DIMENSIONAL FLOW
VORTICES
RT AEROELASTICITY
FLUIDS
MAGNETOHYDRODYNAMICS
NOZZLES
TURBULENCE
VISCOSITY

FLUID MECHANICS

BT MECHANICS
RT AEROSTATICS
HYDRODYNAMICS
HYDROSTATICS
RT AEROELASTICITY
CONTROL SURFACES
DYNAMICS
FLUID DYNAMIC PROPERTIES
FLUIDS
MAGNETOHYDRODYNAMICS
QUANTUM MECHANICS
STATICS
THERMODYNAMICS
VISCOSITY

FLUIDS

NT DROPS
GASES
LIQUIDS
SPRAYS
VAPORS
RT FLUID FLOW
FLUID MECHANICS

FLUORESCENCE

BT LUMINESCENCE
OPTICAL PHENOMENA

FLUORIDES

BT HALIDES

FLUORINE

BT GROUP Vn ELEMENTS
HALOGENS
NON-METALS

FLUOROCHLORIDES

Fluorophosphates
USE PHOSPHORIC MONOESTER
HYDROLASES

FLUOROSCOPES

RT MEDICAL EQUIPMENT

Flash-mounted antennas

USE SLOT ANTENNAS

FLUTTER

UF Autoprecision
Precision instability
Whirl flutter
BT FLUID DYNAMIC PROPERTIES
RT BOUNDARY LAYER
BOUNDARY LAYER CONTROL
BOUNDARY LAYER TRANSITION
TURBULENCE

FLUTTER SIMULATORS

BT AERODYNAMIC CONFIGURATIONS
SIMULATION
RT CONTROL SIMULATORS
FLIGHT SIMULATORS

Flutter suppression

USE VIBRATION ISOLATORS
Flu-gate magnetometers

USE MAGNETOMETERS

FLUXMETERS**FLYING SPAT HULLS**

BT AIRPLANES
HYDRODYNAMIC
CONFIGURATIONS
HYDROFOILS
PLANNING SURFACES

RT FUSELAGES**FLYING BOATS**

BT AIRCRAFT
AIRPLANES
WATER-BASED AIRPLANES
NT JET FLYING BOATS
RT AMPHEBIAN PLANES

FLYING BOATS (Con.)
SEAPLANES

FLYING PLATFORMS
BT AIRCRAFT
RT AIRPLANES
AUTOGYROS
GROUND EFFECT MACHINES
HELICOPTERS
SHORT TAKE-OFF PLANES
VERTICAL TAKE-OFF PLANES

Foamed plastics
USE EXPANDED PLASTICS

FOAMS
BT COLLOIDS
RT BUBBLES

FOCUSING
BT OPTICAL PROPERTIES
RT BRIGHTNESS
DIFFRACTION
DISTORTION
ILLUMINATION
LIGHT TRANSMISSION
REFLECTION
REFRACTION
REFRACTIVE INDEX

FOG
BT ATMOSPHERIC CONDENSATION
CLOUDS
NT ICE FOG
RT HAZE

Fog cabinets
USE HUMIDITY CABINETS

FOILS
UF Metal foils
RT METAL FILMS
SMEETS

Folic acid
USE VITAMIN B COMPLEX

FOOD
RT DIET
NUTRITION
VEGETABLE OILS

Food deprivation
USE STARVATION

FOOD DISPENSING
UF In-flight feeding

FOREIGN POLICY

Foreign trade
USE COMMERCE

FORESTRY
UF Arboriculture
BT AGRICULTURE
RT TREES

FORGING
BT MATERIAL FORMING

FORMATION FLIGHT
BT FLIGHT
RT AIR FORCE OPERATIONS
FLIGHT PATHS

Formation lights
USE NAVIGATIONAL LIGHTS

Fortran
USE PROGRAMMING LANGUAGES

Forums
USE SYMPOSIA

Forward edge
USE LEADING EDGE

FOULING

FOUNDATIONS (STRUCTURES)
RT BUILDINGS
FLOORS

Foundations of mathematics
USE MATHEMATICS

FOURIER ANALYSIS
UF Fourier-Bessel expansion
Fourier-Stieltjes transform
Trigonometric sum

Fourier transforms
USE INTEGRAL TRANSFORMS

Fourier-Bessel expansion
USE FOURIER ANALYSIS

Fourier-Stieltjes transform
USE FOURIER ANALYSIS

Foal
USE BIRDS

Fourier Saps
USE SPLIT FLAPS

Fractionation
USE DISTILLATION

FRACTURE (MECHANICS)
UF Cracking (Mechanics)
BT FAILURE (MECHANICS)
MECHANICAL PROPERTIES

FRACTURES (BONE)
UF Bone fractures
BT WOUNDS & INJURIES
RT BONE

Frames (Aircraft)
USE AIRFRAMES

Fredholm integral equation
USE INTEGRAL EQUATIONS

Fredholm theory
USE INTEGRAL EQUATIONS

FREE RADICALS
(Atoms or groups of atoms having at least one unpaired electron)
BT IONS

FREE-FALL MODELS
BT AERODYNAMIC CONFIGURATIONS
RT AIRPLANE MODELS

FREE-FLIGHT TRAJECTORIES
BT TRAJECTORIES

FREIZING

Freight
USE CARGO

FREQUENCY
NT AUDIOFREQUENCY
BROADBAND
C BAND
EXTREMELY HIGH FREQUENCY
EXTREMELY LOW FREQUENCY
HIGH FREQUENCY
K BAND
L BAND
LOW FREQUENCY
MEDIUM FREQUENCY
MICROWAVE FREQUENCY
NARROWBAND
RADIOFREQUENCY
S BAND
SUPERHIGH FREQUENCY
X BAND
RT ELECTROMAGNETIC WAVES
PROPAGATION
SPECTROSCOPY

FREQUENCY ANALYZERS
RT MICROWAVE SPECTROSCOPY
NOISE ANALYZERS
OSCILLOSCOPES
RADIO INTERFERENCE ANALYZERS
RADIOFREQUENCY SPECTROSCOPY
STANDING-WAVE INDICATORS
TEST EQUIPMENT (ELECTRONICS)
WAVE ANALYZERS

Frequency changers
USE FREQUENCY CONVERTERS

FREQUENCY CONVERTERS
(Circuits devices or machines that change alternating current from one frequency to another)
UF Frequency changers
RT FREQUENCY MULTIPLIERS

Frequency factor
USE REACTION KINETICS

FREQUENCY METERS

FREQUENCY MODULATION
UF Frequency modulation (communication)
BT MODULATION
RT AMPLITUDE MODULATION
PHASE DISTORTION
PHASE MODULATION
PULSE MODULATION

Frequency modulation communication
USE FREQUENCY MODULATION and RADIO COMMUNICATIONS SYSTEMS

FREQUENCY MULTIPLIERS
UF Multipliers (Converters)
RT FREQUENCY CONVERTERS

FREQUENCY SHIFT

FREQUENCY STABILIZERS
RT AUTOMATIC FREQUENCY CONTROL

FREQUENCY-SHIFT KEYERS
UF Keyers (Frequency shift)
BT COMMUNICATION EQUIPMENT
RT RADIO TELETYPE SYSTEMS

Freeze integrals
USE INTEGRALS

FRICTION
RT SURFACE PROPERTIES

Frontal analysis
USE AIR MASS ANALYSIS

FSS
USE FLIGHT SERVICE STATIONS

FUEL ADDITIVES
UF Propellant additives
BT ADDITIVES
RT FUEL THICKENERS
LIQUID ROCKET FUELS
LIQUID ROCKET PROPELLANTS

FUEL CELLS
(Voltic cells that convert fuels, e.g., H and O, directly to electrical energy)
BT BATTERIES & COMPONENTS
RT ENERGY CONVERSION

FUEL CONSUMPTION
(Excludes reactor fuel consumption)
RT COMBUSTION FUELS

FUEL CONTAMINATION

FUEL FILTERS
BT ENGINE FUEL SYSTEMS COMPONENTS
FILTERS (FLUID)
RT ENGINE AIR SYSTEMS COMPONENTS

FUEL GAGES
(Devices that indicate the volume of fuel in a tank or other container)
BT ENGINE FUEL SYSTEMS COMPONENTS
RT FUEL METERS

FUEL HOSE
BT HOSES
RT ENGINE FUEL SYSTEMS COMPONENTS
FUEL SYSTEMS

FUEL INJECTION
BT INJECTION
RT COMBUSTION CHAMBER GASES
FUELS

FUEL INJECTORS
BT ENGINE FUEL SYSTEMS COMPONENTS
FUEL PUMPS
INJECTORS
PUMPS

FUEL METERS
BT ENGINE FUEL SYSTEMS COMPONENTS
RT ENGINE STRUCTURES
FUEL GAGES

FUEL OIL
UF Diesel fuels
BT FUELS
OILS

FUEL PUMPS
BT PUMPS
RT FUEL INJECTORS
RT ENGINE FUEL SYSTEMS COMPONENTS

FUEL SEALS
BT SEALS (STOPPERS)
RT FUEL SYSTEMS
METAL SEALS
PLASTIC SEALS
ROTARY SEALS
RUBBER SEALS

Fuel sloshing
USE SLOSHING

Fuel storage tanks
USE STORAGE TANKS

FUEL SYSTEMS
RT ENGINE AIR SYSTEMS COMPONENTS
ENGINE FUEL SYSTEMS COMPONENTS
ENGINE STRUCTURES
FUEL HOSE
FUEL SEALS
FUEL TANKS

Fuel tank vents
USE TANK VENTS

FUEL TANKS
BT CONTAINERS
TANKS (CONTAINERS)
RT AIRCRAFT PROTUBERANCES
ENGINE FUEL SYSTEMS COMPONENTS
EXTERNAL STORES
FUEL SYSTEMS
OIL TANKS
STORAGE TANKS
TANK VENTS

FUEL THICKENERS
RT FUEL ADDITIVES

FUEL TRUCKS
BT CARGO VEHICLES
VEHICLES
RT TOWED VEHICLES

Fuel-level control
USE FUELS and LIQUID-LEVEL CONTROL

Fueling at sea
USE REFUELING

Fueling in flight
USE REFUELING

FUELS
UF Fuel-level control
AVIATION FUELS
FUEL OIL
GASOLINE
JET ENGINE FUELS
KEROSENE
LIQUID ROCKET FUELS
RT COMBUSTION
FLAMES
FUEL CONSUMPTION
FUEL INJECTION
OILS
PETROLEUM
PROPELLANTS

FULL WAVE RECTIFIERS
BT RECTIFIERS
RT CRYSTAL RECTIFIERS

Fungicide
USE ANTIHISTONICS

Fumigation
USE PEST CONTROL

FUNCTIONAL ANALYSIS
UF Banach space
Bernstein's approximation
Distribution
Functional calculus
Green space
Hahn-Banach theorem
Klein spaces
Krein-Smulan theorem
LP spaces

Functional calculus
USE FUNCTIONAL ANALYSIS

Functional equations
USE EQUATIONS

FUNCTIONS
UF Almost periodic functions
Analytic functions
Bounded functions
Convex functions
Discrete harmonic functions
Eigen-functions
Entire functions
Entropy functions
Generalized distance functions
Homeomorphic functions
Integral functions
Logarithmic functions
Monomorphic functions
Monotone functions
Nonlinear functions
Pseudoanalytic functions
Rational functions
Ring functions
Schlicht functions
Sylvester functions
Transcendental functions
Transfer functions
Unimodal functions

FUNGI
UF Molds
BT PLANTS (BOTANY)
RT ALGAE
BACTERIA
MICROORGANISMS
YEASTS

FUNGUS DETERIORATION
BT DEGRADATION

FURNACES
UF Oil burning furnaces
Ovens
RT COMBUSTION CHAMBERS
HEATERS

FUSELAGES
BT AIRFRAMES
RT AIRPLANE NOSES
AIRPLANE PANELS
FLYING BOAT HULLS
MONOCOQUES

FUSES (ELECTRICAL)
 (Fusible protective elements in electrical circuits to prevent overload damage)
 NT CIRCUIT BREAKERS
FUZE FUNCTIONING ELEMENTS
 NT EXPLOSIVES INITIATORS

G

G-forces
 USE ACCELERATION

Gadolinium
 USE RARE EARTH COMPOUNDS

Gadolinium compounds
 USE RARE EARTH COMPOUNDS

Gages
 USE METERS

GAIN
 (The increase in signal power that is produced by an amplifier)
 UF Antenna gain
 Transmission gain

GALLIUM COMPOUNDS

GALVANIC SKIN RESPONSE
 BT REFLEXES
 RT NERVOUS SYSTEM

GALVANOMETERS
 UF Balistic galvanometers
 BT MEASURING DEVICES (ELEC AND ELECTR)

GAME THEORY
 UF Bohnan, search problem
 Differential games
 Market game
 Minimax
 Monopoles
 Non
 Ranking theory
 Utility theory

GAMMA COUNTERS
 BT RADIATION MEASUREMENT SYSTEMS
 RT COUNTING METHODS
 GIGER COUNTERS

Gamma functions
 USE SPECIAL FUNCTIONS (MATHEMATICAL)

GAMMA RAYS
 BT ELECTROMAGNETIC WAVES
 RT ELEMENTARY PARTICLES
 X RAYS

GANGLIA
 UF Statoc ganglion
 BT CELLS (BIOLOGY)
 NERVE CELLS
 NERVES
 NERVOUS SYSTEM

Gasants blocking agents
 USE AUTOMATIC AGENTS

Gas marker buoys
 USE BUOYS

GAS ANALYSIS
 (The determination of composition of gas samples including temperature, solids content, reagent materials, qualitative and quantitative chemical constituents and the like)
 UF Gas analysis
 RT ATMOSPHERIC POLLUTION CHEMICAL ANALYSIS

Gas analysis
 USE GAS ANALYSIS

GAS BEARINGS
 UF Air bearings
 BT BEARINGS
 RT ANTI-FRICTION BEARINGS

GAS DISCHARGES
 (Arc discharges through closed gas-filled, surrounding cold electrodes for electrical conduction in gases initiated by slight ionization and without appreciable heating of the electrodes, see GLOW DISCHARGES)
 BT ELECTRIC DISCHARGES
 RT ELECTRICAL CORONA ELECTRICITY

GAS IONIZATION
 GLOW DISCHARGES
 IONIC CURRENT
 PLASMA PHYSICS

Gas electrodes
 USE ELECTRODES

GAS EMBOLISM
 UF Aeroembolism
 BT OBSTRUCTION (PHYSIOLOGY)
 RT DECOMPRESSION SICKNESS

GAS FLOW
 UF Air flow
 BT FLUID FLOW
 NT COMPRESSIBLE FLOW
 HYPERSONIC FLOW
 INCOMPRESSIBLE FLOW
 SUBSONIC FLOW
 SUPERSONIC FLOW
 THREE-DIMENSIONAL FLOW
 TRANSONIC FLOW
 TWO-DIMENSIONAL FLOW
 RT AXIALLY SYMMETRIC FLOW
 JET MIXING FLOW

GAS GENERATOR ENGINES
 BT INTERNAL COMBUSTION ENGINES

GAS IONIZATION
 BT IONIZATION
 RT GAS DISCHARGES
 IONIC CURRENT
 PLASMA JETS
 PLASMA OSCILLATIONS
 PLASMA PHYSICS

GAS LEAKS

GAS SEALS
 UF Labyrinth glands
 BT SEALS (STOPPERS)
 ADHESIVES
 METAL SEALS
 PLASTIC SEALS
 ROTARY SEALS
 RUBBER SEALS

GAS TURBINE BLADES
 BT TURBINE BLADES
 RT IMPELLERS

Gas turbine drive
 USE GAS TURBINE ROTORS

GAS TURBINE NOZZLES
 BT NOZZLES
 RT CONICAL NOZZLES
 DIFFUSERS
 EXHAUST NOZZLES
 SUBSONIC NOZZLES

GAS TURBINE ROTORS
 UF Gas turbine data
 BT TURBINE WHEELS
 RT AXIAL-FLOW TURBINE ROTORS
 IMPELLERS

Gas turbine starters
 USE ENGINE STARTERS

GAS TURBINES
 BT TURBINES
 RT AFTERBURNERS

Gas valves
 USE PNEUMATIC VALVES

GAS-GENERATING SYSTEMS
 RT EXHAUST SYSTEMS
 PNEUMATIC SYSTEMS

GASES
 BT FLUIDS
 NT AIR
 VAPORS
 RT LIQUEFIED GASES
 LIQUIDS

GASOLINE
 BT FUELS

GASTROINTESTINAL SYSTEM
 UF Digestive system
 NT ESOPHAGUS
 INTESTINES
 LIVER
 STOMACH
 RT ANATOMIC BODY

GATES (CIRCUITS)
 UF Trapped gates
 BT CIRCUITS

Gauss-Seidel method
 USE NUMERICAL METHODS AND PROCEDURES

Gaussian processes
 USE STATISTICAL PROCESSES

Gaussian vector process
 USE STATISTICAL PROCESSES

GEARS
 RT TRANSMISSIONS

GIGER COUNTERS
 BT RADIATION MEASUREMENT SYSTEMS
 RT COUNTING METHODS
 GAMMA COUNTERS
 NEUTRON COUNTERS

GELS
 BT COLLOIDS
 RT SOLUTIONS

General adaptation syndrome
 USE ADAPTATION (PHYSIOLOGY)

GENERAL AVIATION AIRCRAFT
 (All domestic civil aircraft except those used by the scheduled, supplemental, and intrastate public air carriers who report to the Civil Aeronautics Board or to a state aeronautical agency)
 BT AIRCRAFT
 RT UTILITY PLANES

Generalized distance functions
 USE FUNCTIONS

GENERATORS
 (Excludes gas generators)
 NT MOTOR GENERATORS
 PERMANENT MAGNET GENERATORS
 RT COLS
 ELECTRIC MOTORS
 ELECTRIC POWER PRODUCTION
 ELECTROMAGNETS
 POWER EQUIPMENT

Genetic effects
 USE GENETICS

Genetic factors
 USE GENETICS

GENETICS
 UF Genetic effects
 Genetic factors
 Heredity
 BT BIOLOGY
 RT MEDICINE
 MUTATIONS

Geodesic flow
 USE ALGEBRAIC TOPOLOGY

GEODESICS
 UF Geodesic data
 BT GEOLOGY
 RT GEOLOGICAL SURVEY

Geodesic data
 USE GEODESICS

GEOGRAPHY
 RT CLIMATOLOGY
 ECONOMIC GEOLOGY
 GEOLOGY

GEOLOGICAL SURVEY
 BT GEOLOGY
 RT GEODESICS
 GEOPHYSICS
 MINING ENGINEERING

GEOLOGY
 NT ENGINEERING GEOLOGY
 GEODESICS
 GEOLOGICAL SURVEY
 GEOPHYSICS
 MINING ENGINEERING
 RT GEOGRAPHY

Geomagnetism
 USE TERRESTRIAL MAGNETISM

GEOMETRIC FORMS
 NT BLUNT BODIES
 BODIES OF REVOLUTION
 CONICAL BODIES
 CURVED PROFILES
 CYLINDRICAL BODIES
 DISCS
 ELLIPSOIDS
 HEMISPHERICAL SHELLS
 OVONS
 PARABOLIC BODIES
 RINGS
 SPHERES
 STIFFENED CYLINDERS
 STRUCTURAL SHELLS
 WEDGES
 RT AERODYNAMIC CONFIGURATIONS
 AIRFRAMES
 BEAMS (STRUCTURAL)
 CONICAL WINGS
 GEOMETRY
 HYDRODYNAMIC CONFIGURATIONS
 STRUCTURAL PARTS

STRUCTURES

GEOMETRY
 NT PROJECTIVE GEOMETRY
 RT GEOMETRIC FORMS

GEOPHYSICS
 BT GEOLOGY
 RT GEOLOGICAL SURVEY

Geopolitics
 USE POLITICAL SCIENCE

GERMANIUM
 BT METALS

Gestation
 USE PREGNANCY

Girders
 USE BEAMS (STRUCTURAL)

GLANDS
 UF Preputial glands
 NT ADRENAL GLANDS
 ENDOCRINE GLANDS
 SEX GLANDS
 THYROID GLAND
 RT BODY

GLASS
 BT CERAMIC MATERIALS
 NT HEAT-RESISTANT GLASS
 LAMINATED GLASS
 OPTICAL GLASS

Glass fibers
 USE GLASS TEXTILES

GLASS TEXTILES
 UF Fiberglass
 Glass fibers
 BT TEXTILES
 RT FIBERS
 FIRE-RESISTANT TEXTILES

Glasses
 USE EYEGLASSES

GLIDE PATH
 (Sloped path extends up and out from a point on the runway for instrument approach of aircraft)
 UF Angle of approach indicators
 Glide slope
 RT APPROACH
 DESCENT
 FLAREOUT
 FLIGHT PATHS
 GLIDE-PATH SYSTEMS
 INSTRUMENT LANDING

Glide path transmission
 USE GLIDE-PATH SYSTEMS and RADIO TRANSMISSION

Glide slope
 USE GLIDE PATH

GLIDE-PATH SYSTEMS
 UF Glide path transmission
 BT GUIDANCE
 TERMINAL GUIDANCE
 RT GLIDE PATH
 GROUND-CONTROLLED APPROACH RADAR
 HOMING DEVICES
 INSTRUMENT LANDING
 LANDING AIDS
 RADAR LANDING CONTROL

GLIERS
 UF Air wing gliders
 Sailplanes
 Tethered gliders
 Transport gliders
 BT AIRCRAFT
 AIRPLANES

GLOBAL COMMUNICATION SYSTEMS
 BT COMMUNICATION SYSTEMS

GLOVES
 UF Handwear
 Mittens
 BT CLOTHING
 RT PROTECTIVE CLOTHING

Glow streamers
 USE ANEMOMETERS

GLOW DISCHARGES
 BT ELECTRIC DISCHARGES
 NT ELECTRICAL CORONA
 RT ELECTRICITY
 GAS DISCHARGES

GLUCOSE
 BT CARBOHYDRATES
 MONOSACCHARIDES

Glucose tolerance
 USE TOXIC TOLERANCES

Glues
 USE ADHESIVES

Goggles
USE EYEGLASSES

GOLD
UF Gold blacks
Gold smoke deposits
BT GROUP I ELEMENTS METALS

Gold Necks
USE GOLD

Gold smoke deposits
USE GOLD

Goldstein, model
USE PARTIAL DIFFERENTIAL EQUATIONS

Gonadotropin
USE PITUITARY HORMONES

Gonads
USE SEX GLANDS

GONDOLAS
BT AIRCRAFT EQUIPMENT
RT AIRCRAFT PROTRUBERANCES BALLOON EQUIPMENT

GONIOMETERS
BT METERS

Goussat problem
USE PARTIAL DIFFERENTIAL EQUATIONS

Government
USE POLITICAL SCIENCE

Government (Foreign)
USE POLITICAL SCIENCE

Government (United States)
USE UNITED STATES GOVERNMENT

GOVERNMENT EMPLOYEES
UF Civil service employees
BT PERSONNEL
RT ENGINEERING PERSONNEL OPERATORS (PERSONNEL) PROFESSIONAL PERSONNEL SCIENTIFIC PERSONNEL

GOVERNMENT PROCUREMENT
BT PROCUREMENT
NT AIR FORCE PROCUREMENT ARMED FORCES PROCUREMENT ARMY PROCUREMENT NAVAL PROCUREMENT INDUSTRIAL PROCUREMENT

Governors
USE SPEED REGULATORS

Gradient equation
USE DIFFERENTIAL EQUATIONS

Gradient equations
USE DIFFERENTIAL EQUATIONS

Gradiometers
USE Magnetometers

GRADUATORS
USE MAGNETOMETERS

GRAIN STRUCTURES (METALLURGY)
RT CERAMETS CRYSTALS MARTENSITE MARTENSITE METALLOGRAPHY SINGLE CRYSTALS TRANSFORMATIONS

Grasses
USE GRASSES

GRAPHITE
BT CARBON MINERAL PRODUCTS
RT CARBON COMPOUNDS LUBRICANTS

GRASSES
(Includes both plants and plant products.)
UF Grasshopper Tort
BT PLANTS (BOTANY)

Gratings (Optics)
USE DIFFRACTION GRATINGS

GRAVEL
BT ROCK (GEOLOGY) SOILS

GRAVITY
BT AERODYNAMIC FORCES
RT CENTER OF GRAVITY
RT WEIGHTLESSNESS

GRAVITY (ARTIFICIAL)
RT WEIGHTLESSNESS

GREASES
BT LUBRICANTS
NT INSTRUMENT GREASES

RT LOW-TEMPERATURE LUBRICANTS LUBRICANT ADDITIVES LUBRICATION

Green space
USE FUNCTIONAL ANALYSIS

Greens operators
USE OPERATORS (MATHEMATICS)

Grinding material
USE ABRASIVES

Grinding materials
USE ABRASIVES

GROUND
(Domain of non-flight operations normally taking place on the earth's surface.)

GROUND (ELECTRICAL)
(Conducting path between an electric circuit or equipment and the earth or some conducting body serving in place of the earth.)

Ground anchors
USE Anchors (structural)

GROUND BRAKING
USE AIRCRAFT BRAKING

GROUND EFFECT
BT FLUID DYNAMIC PROPERTIES
RT DOWNWASH LIFT THRUST WAKE

GROUND EFFECT MACHINES
BT AIRCRAFT
RT AIRPLANES FLYING PLATFORMS

GROUND SPEED
BT VELOCITY
RT AIRSPEED FLIGHT SPEEDS

GROUND SUPPORT EQUIPMENT
UF Aerospace ground equipment

GROUND VEHICLE ANTENNAS
BT ANTENNAS

Ground waves
USE RADIO WAVES

GROUND-CONTROLLED APPROACH RADAR
BT LANDING AIDS RADAR
RADAR LANDING CONTROL
RT AIRPORT RADAR SYSTEMS CARRIER-CONTROLLED APPROACH RADAR GLIDE-PATH SYSTEMS INSTRUMENT LANDINGS RADAR NAVIGATION RADAR STATIONS RADAR TRACKING TERMINAL FLIGHT FACILITIES TERMINAL GUIDANCE SYSTEMS

GROUND-POSITION INDICATORS
(Refers to actual position of aircraft with reference to fixed point on the ground.)
UF Air position indicators Flight position indicators
BT FLIGHT INSTRUMENTS POSITION FINDING
RT AIRSPEED INDICATORS MACHMETERS PLAN POSITION INDICATORS

GROUND-SPEED INDICATORS
BT FLIGHT INSTRUMENTS FLIGHT SPEED INDICATORS
RT AIRSPEED INDICATORS MACHMETERS

Group behavior
USE GROUP DYNAMICS

GROUP DYNAMICS
UF Group behavior
BT BEHAVIOR
RT ADJUSTMENT (PSYCHOLOGY) ATTITUDES LEADERSHIP PSYCHOLOGY SOCIAL COMMUNICATION

GROUP I ELEMENTS
BT COPPER GOLD HYDROGEN
RT METALS NON-METALS

GROUP II ELEMENTS
BT METALS
RT ALKALINE EARTH METALS

BERYLLIUM CADMIUM MAGNESIUM MERCURY

GROUP III ELEMENTS
NT ALUMINUM BORON
RT METALS NON-METALS

GROUP IV ELEMENTS
NT CARBON
RT METALS

GROUP V ELEMENTS
NT NIOSIUM NITROGEN PHOSPHORUS TANTALUM
RT METALS NON-METALS

GROUP VI ELEMENTS
NT CHROMIUM MOLYBDENUM OXYGEN SULFUR TUNGSTEN
RT METALS NON-METALS

GROUP VII ELEMENTS
NT BROMINE CHLORINE FLUORINE IODINE
RT METALS NON-METALS

GROWTH
RT AGING (PHYSIOLOGY)

Growth crystals
USE CRYSTAL GROWTH

Growth equation
USE NONLINEAR DIFFERENTIAL EQUATIONS

Guidance
USE PURPOSES

GUIDANCE
NT AUTOMATIC NAVIGATORS CELESTIAL GUIDANCE COMMAND GUIDANCE GLIDE-PATH SYSTEMS HOMING DEVICES INERTIAL GUIDANCE LIGHT HOMING MAGNETIC GUIDANCE NAVIGATION COMPUTERS RADIO HOMING STAR TRACKERS TERMINAL GUIDANCE
RT CONTROL SYSTEMS HYPERBOLIC NAVIGATION NAVIGATION

GUIDE VANES
NT WILET GUIDE VANES JET VANES

GUIDED MISSILE COMPONENTS
BT GUIDED MISSILES
A* NOSE CONES

GUIDED MISSILE PERSONNEL
BT MILITARY PERSONNEL
RT AVIATION PERSONNEL MAINTENANCE PERSONNEL NAVAL PERSONNEL

GUIDED MISSILE SIMULATORS
BT SIMULATION
RT COMPUTERS FLIGHT SIMULATORS

GUIDED MISSILES
(Ordnance items subject to guidance after launching as distinguished from rocket-propelled and free-fall missiles which cannot be guided after launching.)
UF Missiles
NT GUIDED MISSILE COMPONENTS
RT WEAPONS

Guided pigs
USE RODENTS

Guid wings
USE CRANDED WINGS

Guides
USE ESOPHAEGUS

GUN LAUNCHED
RT LAUNCHING

Gun-bomb-rocket sights
USE SIGHTS

GUST LOADS
(Loads imposed on aircraft or surface structures by vertical air currents or gusts of wind.)
BT LOADING (MECHANICS)
RT AERODYNAMIC HEATING AERODYNAMIC LOADING SHOCK WAVES

GUSTS
(Sudden, brief movements of air at velocities in excess of the steady movement velocity.)
BT ATMOSPHERIC MOTION METEOROLOGICAL PHENOMENA WIND
RT STORMS TURBULENCE

Guy stakes
USE ANCHORS (STRUCTURAL)

Gymnastics
USE EXERCISE

GYRO COMPASSES

GYRO STABILIZERS
BT STABILIZATION SYSTEMS

Gyromagnetic effect
USE MAGNETO-OPTIC EFFECT

GYROSCOPES
RT FLIGHT INSTRUMENTS

H

Hadamard's method
USE PARTIAL DIFFERENTIAL EQUATIONS

Hahn-Banach theorem
USE FUNCTIONAL ANALYSIS

HAIL
BT ATMOSPHERIC CONDENSATION ATMOSPHERIC PRECIPITATION

HALAL-SPEECHES

HALIDES
NT BROMIDES CHLORIDES FLUORIDES
RT HALOGEN COMPOUNDS

HALL EFFECT
BT ELECTRICAL PROPERTIES ELECTROMAGNETIC PROPERTIES MAGNETIC PROPERTIES

HALOCARBON PLASTICS
UF KET-1 Teflon TFE
BT PLASTICS THERMOPLASTICS

HALOGEN COMPOUNDS
BT CHEMICAL COMPOUNDS
NT CHLORINE COMPOUNDS
RT HALIDES INORGANIC COMPOUNDS

HALOGENS
BT GROUP VI ELEMENTS NON-METALS
NT BROMINE CHLORINE FLUORINE IODINE

Hares
USE RODENTS

HANDBOOKS
RT INSTRUCTION MANUALS

HANDLING
RT STORAGE TRANSPORTATION

Handoffs
USE RADAR HANDOFF

Handis
USE ARMS

Handover
USE GLOVES

HANDS
BT BUILDINGS

Hand functions
USE SPECIAL FUNCTIONS (MATHEMATICAL)

Haptoscopes
USE OPTICALS

HARDENING

THESAURUS OF FAA DESCRIPTORS

HARDENING
 NT DISPERSION HARDENING
 RT HEAT TREATMENT

HARDNESS
 RT BRITTLENESS
 MECHANICAL PROPERTIES,
 SURFACE PROPERTIES

HARMONIC ANALYSIS
HARMONIC ANALYZERS
 BT WAVE ANALYZERS
 RT ACOUSTIC EQUIPMENT
 ACOUSTIC PROPERTIES

Harmonic forms
 USE POTENTIAL THEORY

HARMONIC OSCILLATORS
 BT OSCILLATORS
 RT ACOUSTIC EQUIPMENT
 ACOUSTIC PROPERTIES

Herr's theorem
 USE NUMERICAL ANALYSIS

MATCHES
 UF Emergency escape hatches
 Escape hatches
 BT SHIP STRUCTURAL COMPONENTS
 RT MARINE SAFETY EQUIPMENT
 SHIP AUXILIARY EQUIPMENT

HAZARDS
 RT ACCIDENTS
 DISASTERS
 SAFETY
 WOUNDS & INJURIES

MAZE
 BT METEOROLOGICAL PHENOMENA
 RT ATMOSPHERIC CONDENSATION
 ATMOSPHERIC POLLUTION
 FOG
 ICE FOG
 VISIBILITY

HEAD
 UF Face
 Head injuries
 Headache
 Jaw
 Neck
 Skull
 BT BODY
 RT BRAIN
 EXTREMITIES

Head injuries
 USE Head
 and WOUNDS & INJURIES

Headache
 USE Head
 and PAIN

Headlog
 USE DIRECTION FINDING

Headphones
 USE EARPHONES

HEALTH PHYSICS
HEALTH PHYSICS
INSTRUMENTATION
 RT RADIOLOGICAL CONTAMINATION
 RADIOLOGICAL DOSEAGE

HEARING
 UF Auditory illusion
 Auditory perception
 Auditory threshold
 BT PERCEPTION
 SENSORY MECHANISMS
 AUDIOMETRY
 DEAFNESS
 EAR
 PITCH DISCRIMINATION
 PSYCHOACOUSTICS
 THRESHOLDS (PHYSIOLOGY)

HEART
 UF Cardiac output
 Coronary circulation
 Heart arrest
 Myocardium
 BT CARDIOVASCULAR SYSTEM
 RT AORTA
 ARRHYTHMIA
 GALLIOTACardiOGRAPHY
 BLOOD
 BLOOD VESSELS
 CARDIOGRAPHY
 ELECTROCARDIOGRAPHY

Heart arrest
 USE HEART
 and PATHOLOGY

HEAT
 RT CALORIMETERS
 HEAT TRANSFER
 INFRARED RADIATION

THERMAL RADIATION
 THERMODYNAMICS

Heat equation
 US. PARTIAL DIFFERENTIAL
 EQUATIONS

HEAT EXCHANGERS
 UF Intercoolers
 Regenerative heat exchangers
 RT ENERGY CONVERSION
 LIQUID METAL PUMPS
 NUCLEAR REACTORS
 REACTOR SYSTEM COMPONENTS

HEAT OF FUSION
 BT TRANSITION TEMPERATURE
 RT SPECIFIC HEAT

HEAT PRODUCTION (BIOLOGY)
 RT BODY TEMPERATURE

HEAT SHIELDS
 RT SHIELDING
 THERMAL INSULATION

HEAT TOLERANCE
 BT TOLERANCES (PHYSIOLOGY)

HEAT TRANSFER
 NT INFRARED RADIATION
 THERMAL RADIATION
 RT EMISSIVITY
 HEAT
 THERMAL CONDUCTIVITY
 THERMAL EXPANSION
 THERMAL INSULATION
 TRANSPORT PROPERTIES

HEAT TRANSFER COEFFICIENTS
Heat transfer fluids
 USE COOLANTS

HEAT TREATMENT
 RT HARDENING

Heat-resistant coatings
 USE REFRACTORY COATINGS

HEAT-RESISTANT GLASS
 UF Pyrex
 BT GLASS
 HEAT-RESISTANT MATERIALS

HEAT-RESISTANT MATERIALS
 NT CERMETS
 HEAT-RESISTANT GLASS
 HEAT-RESISTANT METALS &
 ALLOYS
 HEAT-RESISTANT PLASTICS
 REFRACTORY COATINGS
 REFRACTORY MATERIALS

**HEAT-RESISTANT METALS &
 ALLOYS**
 UF High-temperature alloys
 BT ALLOYS
 HEAT-RESISTANT MATERIALS
 NT CERMETS

HEAT-RESISTANT PLASTICS
 UF Heat-resistant polymers
 BT HEAT-RESISTANT MATERIALS
 PLASTICS

Heat-resistant polymers
 USE HEAT-RESISTANT PLASTICS

HEATERS
 UF Stoves
 Water heaters
 NT RADIANT HEATING PANELS
 RT FURNACES

HEATING
 NT AERODYNAMIC HEATING
 Induction heating

HEIGHT
 USE DIMENSIONS

Height Indicators
 USE HEIGHT FINDING

HEIGHT FINDING
 UF Height Indicators
 Height indicators
 Radar height finders
 NT ALTIMETERS
 CLOUD HEIGHT INDICATORS
 RT FLIGHT INSTRUMENTS
 RADIO ALTIMETERS
 RANGES (DISTANCE)

Height indicators
 USE HEIGHT FINDING

HELICAL ANTENNAS
 BT ANTENNA CONFIGURATIONS
 ANTENNAS

HELICAL SPRINGS
 BT SPRINGS

Helicopter blades
 USE ROTOR BLADES (ROTARY WINGS)

HELICOPTER ENGINE NOISE
 BT ENGINE NOISE

RT HELICOPTER NOISE
HELICOPTER ENGINES
 RT AIRPLANE ENGINES
HELICOPTER HOISTS
 BT AIRCRAFT EQUIPMENT

HELICOPTER NOISE
 BT NOISE
 RT HELICOPTER ENGINE NOISE

HELICOPTER ROTORS
 BT AERODYNAMIC CONFIGURATIONS
 ROTARY WINGS
 WINGS
 NT JET HELICOPTER ROTORS
 TAIL HELICOPTER ROTORS
 RT ROTOR BLADES (ROTARY WINGS)

HELICOPTERS
 BT AIRCRAFT
 AIRPLANES
 AUTOGYROS
 FLYING PLATFORMS
 SHORT TAKE-OFF PLANES
 VERTICAL TAKE-OFF PLANES

HELIPORTS
 BT AIRPORTS
 LANDING FIELDS
 TERMINAL FLIGHT FACILITIES

HELIUM
 BT HELIUM GROUP GASES
 NON-METALS

HELIUM GROUP GASES
 UF Inert gases
 Rare gases
 BT NON-METALS
 NT ARGON
 HELIUM
 NEON

HELMETS
 UF Vests
 RT PROTECTIVE CLOTHING

HEMATOLOGY
 RT BLOOD
 BLOOD CELLS
 EOSINOPHILS
 ERYTHROCYTES
 LEUKOCYTES
 LYMPHOCYTES
 OMMETERS
 PATHOLOGY

Hemo
 USE HEMOGLOBIN

Hemoglobin
 USE HEMOGLOBIN

HEMISPHERICAL SHELLS
 RT COVES

HEMISPHERICAL SHELLS
 BT BODIES OF REVOLUTION
 GEOMETRIC FORMS
 STRUCTURAL SHELLS

RT BLUNT BODIES
 CONICAL BODIES
 CURVED PROFILES
 COVES
 PARABOLIC BODIES
 SPHERES

Hemochromatosis
 USE METABOLISM DISORDERS

Hemoglobin
 USE CHROMOPROTEINS

HEMOGLOBIN
 UF Hemo
 Hemo
 Hemoglobin
 Myoglobin
 BT BLOOD PROTEINS
 PROTEINS
 PROTEINS (CONJUGATED)
 RT BLOOD CELLS
 (ERYTHROCYTES)
 OMMETERS

Hemophilia
 USE BLOOD (DISORDERS)

HEMOPHOETIC SYSTEM
 RT BLOOD CELLS
 BODY
 BONE
 EOSINOPHILS
 ERYTHROCYTES
 LEUKOCYTES

HEMOPHAGE
 UF Bleeding
 RT SHOCK (PATHOLOGY)

Hemorrhagic shock
 USE SHOCK (PATHOLOGY)

Hemosiderin
 USE HEMOGLOBIN

Heredity
 USE GENETICS

Hermite functions
 USE SPECIAL FUNCTIONS
 (MATHEMATICAL)

Hermite transforms
 USE INTEGRAL TRANSFORMS

Hermite forms
 USE MATRIX ALGEBRA

HIBERNATION
 UF Induced hibernation
 RT ANIMALS
 BEHAVIOR
 HYPOTHERMIA
 SLEEP

Hierarchical models
 USE STATISTICAL ANALYSIS

HIGH ALTITUDE
 BT ALTITUDE
HIGH FREQUENCY
 (30,000 to 300,000 mc)
 BT FREQUENCY
 RADIOFREQUENCY

High octane gasoline
 USE AVIATION FUELS

HIGH-ALTITUDE
 (Over 15,000 feet)
 UF Altitude adaptation
 High-altitude flight
 RT ALTITUDE CHAMBERS
 High-altitude flight
 and HIGH-ALTITUDE

High-intensity flash lamps
 USE FLASH LAMPS

HIGH-PRESSURE COMPRESSORS
 BT COMPRESSORS
 RT CENTRIFUGAL COMPRESSORS
 ROTARY COMPRESSORS

HIGH-PRESSURE RESEARCH
 BT SCIENTIFIC RESEARCH
 RT PRESSURE VESSELS

HIGH-PRESSURE VALVES
 RT PNEUMATIC VALVES

HIGH-SPEED CAMERAS
 BT CAMERAS
 RT MOTION-PICTURE CAMERAS
 X-RAY DIFFRACTION CAMERAS

High-temperature alloys
 USE HEAT-RESISTANT METALS &
 ALLOYS

HIGH-TEMPERATURE RESEARCH
 BT SCIENTIFIC RESEARCH

High-vacuum seals
 USE VACUUM SEALS

Hilbert matrix
 USE MATRIX ALGEBRA

Hilbert's transforms
 USE INTEGRAL TRANSFORMS

Hilbert's method
 USE ALGEBRA

Hill equation
 USE DIFFERENTIAL EQUATIONS

HLBCH TUBES
 UF Hot-cold tubes
 Range tubes
 Volume tubes

HISTAMINE
 RT VASOACTIVE AGENTS

Histamine antagonists
 USE ANTIHISTAMICS

HISTOLOGY
 RT CELLS (BIOLOGY)
 PATHOLOGY
 TISSUES (BIOLOGY)

HISTORY
Hoag
 USE GAMES

HOISTS
 UF Ammunition hoists
 Cranes
 Pulleys
 Tackles
 Windlasses
 BT POSITIONING DEVICES
 (MECHANICAL)

Hoisting apparatus
 USE APPARATUS

Hoisting area
 USE HOLDING PATTERNS

HOLDING PATTERNS
 UF Hoisting area

HOLDING PATTERNS (Con.)
 RT AIR TRAFFIC CONTROL SYSTEMS
 ATC TERMINAL AREA
 RADAR HANDOFF

holmium compounds
 USE RARE EARTH COMPOUNDS

Holomorphic functions
 USE FUNCTIONS

Homeomorphisms
 USE TOPOLOGY

HOMING DEVICES
 UF Photoelectric target seekers
 Target seekers
 BT GUIDANCE
 TERMINAL GUIDANCE
 NT LIGHT HOMING
 RADIO HOMING
 RT GLIDE-PATH SYSTEMS
 NAVIGATION

Homotopy
 USE ALGEBRAIC TOPOLOGY

HONEYCOMB CORES
 BT STRUCTURAL PARTS
 RT AIRPLANE PANELS
 PANELS (STRUCTURAL)
 SANDWICH PANELS

HOOKS
 BT MECHANICAL FASTENERS
 RT JOINTS
 LOCKING FASTENER DEVICES

HORIZON SCANNERS
 UF Horizon sensors
 BT ATTITUDE CONTROL SYSTEMS
 FLIGHT INSTRUMENTS
 RT VERTICAL INDICATORS
 YAWMETERS

Horizon sensors
 USE HORIZON SCANNERS

HORIZONTAL INDICATORS
 UF Artificial horizon
 Level indicators
 BT ATTITUDE INDICATORS
 FLIGHT INSTRUMENTS
 RATE-OF-CLIMB INDICATORS
 STALL-WARNING INDICATORS
 VERTICAL INDICATORS
 YAWMETERS

HORMONES
 NT ADRENAL MEDULLA HORMONES
 ADRENOCORTICOTROPIC HORMONE
 ADRENOCORTICOTROPIC HORMONES
 CORTICOSTEROID AGENTS
 (EPINEPHRINE
 LEVARTERENOL
 PITUITARY HORMONES
 RT DRUGS
 ENDOCRINE GLANDS
 LIPIDS
 SEX GLANDS

HORN ANTENNAS
 BT ANTENNA CONFIGURATIONS
 ANTENNAS

Horns (Antennae)
 USE ANTENNA FEEDS

HOSE FITTINGS
 BT FITTINGS
 RT COUPLINGS
 DISCONNECT FITTINGS
 SELF-SEALING COUPLINGS

HOSES
 NT FUEL HOSE
 RT PIPES

Hospital beds
 USE MEDICAL EQUIPMENT

Hot-cold tubes
 USE NILSCH TUBES

Hot-die assemblies
 USE ANEMOMETERS

HOVERING
 RT TRANSITION FLIGHT

Hubs
 NT PROPELLER HUBS

Hudson centrifuges
 USE CENTRIFUGES

HUMAN ENGINEERING
 UF Biotechnology
 RT APPLIED PSYCHOLOGY
 CYBERNETICS
 ENGINEERING
 INDUSTRIAL PSYCHOLOGY
 MAN-MACHINE SYSTEMS
 POSITIONING REACTIONS

HUMIDITY
 UF Atmospheric moisture content
 NT DEW POINT
 RT ATMOSPHERIC CONDENSATION
 METEOROLOGICAL PARAMETERS
 MOISTURE
 VAPOR PRESSURE
 WATER VAPOR

HUMIDITY CABINETS
 UF Fog cabinets
Humidity-sensitive elements
 USE HYGROMETERS

HURRICANE TRACKING
 BT METEOROLOGY

Hurricanes
 USE TROPICAL CYCLONES

Hybrid computers
 USE ANALOG-DIGITAL COMPUTERS

HYDRAULIC ACTUATORS
 BT ACTUATORS
 RT HYDRAULIC SERVOMECHANISMS

HYDRAULIC BRAKES
 BT BRAKES

HYDRAULIC COUPLINGS
 BT COUPLINGS
 FITTINGS
 RT DISCONNECT FITTINGS
 FLEXIBLE COUPLINGS
 SELF-SEALING COUPLINGS

HYDRAULIC FLUIDS
 UF Hydraulic gear fluids
 Hydraulic oils
 Recoil fluids
 RT MINERAL OILS
 OILS
Hydraulic gear fluids
 USE HYDRAULIC FLUIDS

HYDRAULIC MODELS
(Models used for predicting hydraulic characteristics of larger devices or for simulating the full-scale environment of such larger devices.)
 UF River models
 BT HYDRODYNAMIC CONFIGURATIONS
 MODELS (SIMULATIONS)
 RT HYDROLOGY
 PLANING SURFACES
 SIMULATION

Hydraulic oils
 USE HYDRAULIC FLUIDS

HYDRAULIC PRESSURE PUMPS
 BT PUMPS

HYDRAULIC SERVOMECHANISMS
 BT SERVOMECHANISMS
 RT HYDRAULIC ACTUATORS
 HYDRAULIC VALVES
 SERVOMOTORS

HYDRAULIC SYSTEMS
 BT AIRCRAFT SYSTEMS

HYDRAULIC VALVES
 BT VALVES
 RT HYDRAULIC SERVOMECHANISMS

HYDRAZINES
 UF Oxidative

HYDRO-SKIS
 BT AIRCRAFT EQUIPMENT
 HYDRODYNAMIC CONFIGURATIONS
 HYDROFOILS
 LANDING GEAR
 PLANING SURFACES
 RT SEAPLANE FLOATS

HYDROCARBONS
 BT ORGANIC COMPOUNDS

Hydrocortisone
 USE CORTICOSTEROID AGENTS

HYDRODYNAMIC CONFIGURATIONS
 NT FLYING BOAT HULLS
 HYDRAULIC MODELS
 HYDRO-SKIS
 HYDROFOILS
 PLANING SURFACES
 SEAPLANE FLOATS
 RT AERODYNAMIC CONFIGURATIONS
 CONTROL SURFACES
 FLUID DYNAMIC PROPERTIES
 GEOMETRIC FORMS

Hydrodynamic properties
 USE FLUID DYNAMIC PROPERTIES

HYDRODYNAMICS
 BT DYNAMICS
 FLUID MECHANICS

MECHANICS
 NT HYDROPLANING
 RT HYDROSTATICS

HYDROFOILS
 UF Hydroplanes
 BT HYDRODYNAMIC CONFIGURATIONS
 PLANING SURFACES
 NT FLYING BOAT HULLS
 HYDRO-SKIS
 SEAPLANE FLOATS

HYDROGEN
 BT GROUP I ELEMENTS
 NON-METALS

Hydrogen bomb tests
 USE NUCLEAR EXPLOSIONS

HYDROGEN COMPOUNDS
HYDROGEN EMBRITTLEMENT
 BT BRITTLENESS
 RT MECHANICAL PROPERTIES

Hydrogen ion concentration
 USE PH

HYDROGEN PEROXIDE
HYDROLASES
 UF Hydrolyzing enzymes
 BT ENZYMES
 NT PHOSPHORIC MONOESTER
 HYDROLASES

HYDROLOGY
 NT DRAINAGE
 FLOODS
 RT EROSION
 HYDRAULIC MODELS

HYDROLYSIS
 BT CHEMICAL REACTIONS
 DECOMPOSITION

Hydrolyzing enzymes
 USE HYDROLASES

Hydrometers
 USE DENSIMETERS

HYDROPHONES
 BT ACOUSTIC EQUIPMENT
 TRANSDUCERS
 TRANSDUCERS (ACOUSTIC)
 UNDERWATER EQUIPMENT
 RT ACOUSTIC RANGES

Hydrophytes
 USE ALGAE

Hydroplanes
 USE HYDROFOILS

HYDROPLANING
 UF Aquaplaning
 BT HYDRODYNAMICS
 RT FLUID DYNAMIC PROPERTIES

HYDROSTATICS
 BT FLUID MECHANICS
 MECHANICS
 STATICS
 RT HYDRODYNAMICS

HYGROMETERS
 UF Humidity-sensitive elements
 Moisture meters
 Psychrometers
 BT METEOROLOGICAL INSTRUMENTS
 METERS

Hyperbolic functions
 USE SPECIAL FUNCTIONS
 (MATHEMATICAL)

HYPERBOLIC NAVIGATION
(Determination of lines of position by measurements of the difference in distance of the navigation apparatus from two or more stations of known position.)
 BT NAVIGATION
 RT CELESTIAL NAVIGATION
 GUIDANCE
 LORAN
 POSITION FIXING
 RADIO NAVIGATION
 SHORAN

Hyperbolic systems
 USE PARTIAL DIFFERENTIAL EQUATIONS

Hypercholesterolemia
 USE BLOOD DISORDERS

Hypercholesterolemia method
 USE PARTIAL DIFFERENTIAL EQUATIONS

Hypergeometric functions
 USE SPECIAL FUNCTIONS
 (MATHEMATICAL)

HYPERGLYCEMIA
 RT METABOLISM DISORDERS

Hyperpyrexia
 USE FEVERS

Hypersensitivity
 USE ALLERGY

HYPERSONIC CHARACTERISTICS
 BT AERODYNAMIC CHARACTERISTICS
 FLUID DYNAMIC PROPERTIES

HYPERSONIC FLIGHT
 BT FLIGHT

HYPERSONIC FLOW
 BT FLUID FLOW
 GAS FLOW

HYPERSONIC PLANES
 BT AIRCRAFT
 AIRPLANES

HYPERSONIC WIND TUNNELS
 BT WIND TUNNELS
 RT SHOCK TUBES

HYPERTENSION
 BT BLOOD PRESSURE
 RT HYPOTENSION

Hyperthermia
 USE FEVERS

Hyperventilation
 USE OXYGEN
 and POISONING

HYPOTENSION
 BT BLOOD PRESSURE
 RT HYPERTENSION

HYPOThERMIA
 UF Induced hypothermia
 RT ANESTHESIA
 ANESTHETICS
 BODY TEMPERATURE
 HIBERNATION

Hypoxemia
 USE BLOOD
 and OXYGEN

HYPOXIA
 UF Anoxia
 RT BLACKOUT (PHYSIOLOGY)

HYPSOMETERS
 BT METEOROLOGICAL INSTRUMENTS
 RT ALTIMETERS

HYSTERESIS
(Magnetic electrical and mechanical.)
 RT DAMPING
 ELECTRICAL PROPERTIES
 INDUCTION HEATING
 MAGNETIC PROPERTIES

ICE
 RT ATMOSPHERIC CONDENSATION
 ICE-FORMATION INDICATORS
 SNOW
 WATER

Ice charts
 USE NAVIGATION CHARTS

ICE-00
 BT ATMOSPHERIC CONDENSATION
 FOG

**RT CLOUDS
 HAZE**

ICE PREVENTION
ICE-FORMATION INDICATORS
 BT METEOROLOGICAL INSTRUMENTS
 RT DE-ICING SYSTEMS
 ICE

ICONSOPES
 UF Oscilloscopes
 Television pickup tubes
 BT ELECTRON TUBES
 IMAGE TUBES
 RT CATHODE RAY TUBES
 TELEVISION CAMERAS

IDENTIFICATION
 UF Markers (Electronic)
IDENTIFICATION LIGHTS
 BT SIGNAL LIGHTS
 SIGNALS
 RT MARKER LIGHTS

IDENTIFICATION SYSTEMS
 UF Electronic recognition systems
 Infrared identification systems

IDENTIFICATION SYSTEMS (Con.)

Radar identification systems
BT DETECTION
 DETECTORS
RT TARGET RECOGNITION TRACKING

IGNITION
NT AUTOIGNITION
 SPARK IGNITION
RT IGNITION SYSTEMS

Ignition cartridges
 USE CARTRIDGES (PAD)

IGNITION SYSTEMS
UF Airplane engine ignition systems
BT ENGINE STRUCTURES
RT ENGINE STARTERS
 IGNITION
 POWER PLANTS (AIRCRAFT)
 SPARK IGNITION

Ileum
 USE INTESTINES

Il-Conditioned matrices
 USE NUMERICAL ANALYSIS

Illiteracy
 USE EDUCATION

ILLUMINATION
BT OPTICAL PROPERTIES
RT BRIGHTNESS
 DISTORTION
 FLARES
 FOCUSING
 LIGHT TRANSMISSION
 VISIBILITY

ILLUSIONS
UF Auditory illusions
 Optical illusions

Image intensifier tubes
 USE IMAGE INTENSIFIERS (ELECTRONICS)

IMAGE INTENSIFIERS (ELECTRONICS)
UF Image intensifier tubes
RT LASERS
 OPTICAL EQUIPMENT COMPONENTS

Image orthicons
 USE CAMERA TUBES

IMAGE TUBES
BT ELECTRON TUBES
NT CAMERA TUBES
 ICONOSCOPES
RT CATHODE RAY TUBES

IMAGES
NT OPTICAL IMAGES
 RADAR ECHO AREAS
 RADAR IMAGES
RT AFTERIMAGES
 DISPLAY SYSTEMS

Imidoxanthine
 USE PURINES

Impact prediction
 USE MATHEMATICAL PREDICTION

IMPACT SHOCK
BT SHOCK (MECHANICS)
NT LANDING IMPACT

Impact toughness
 USE TOUGHNESS

Impact tubes
 USE PITOT TUBES

Impedance (Acoustic)
 USE ACOUSTIC IMPEDANCE

Impedance (Elec. ca)
 USE ELECTRICAL IMPEDANCE

IMPEDANCE BRIDGES
BT ELECTRIC BRIDGES
RT CAPACITANCE BRIDGES

IMPEDANCE MATCHING
RT ACOUSTIC IMPEDANCE
 ELECTRICAL IMPEDANCE

IMPELLERS
UF Rotors (Impellers)
 Supercharger impellers
RT CENTRIFUGAL PUMPS
 GAS TURBINE BLADES
 GAS TURBINE ROTORS
 ROTOR BLADES (TURBOMACHINERY)
 TURBINE BLADES
 TURBINE STATORS
 TURBINE WHEELS

Impingers
 USE SAMPLERS

IMPURITIES

In-flight feeding
 USE FOOD DISPENSING

INCANDESCENT LAMPS

RT LIGHTING EQUIPMENT

INCENDIARY PROJECTILES
BT Projectiles

INCLUDES
 USE CRYSTAL GROWTH

INCOMPRESSIBLE FLOW
(Fluid motion without change in density.)

BT FLUID FLOW
 GAS FLOW

RT COMPRESSIBLE FLOW

INDEXES
BT DOCUMENTATION
RT CATALOGS
 CLASSIFICATION
 INFORMATION RETRIEVAL
 LIBRARIES
 SUBJECT INDEXING

INDICATOR LIGHTS
BT SIGNAL LIGHTS

Induced hibernation
 USE HIBERNATION

Induced hyperthermia
 USE FEVERS

Induced hypothermia
 USE HYPOTHERMIA

INDUCTION HEATING
BT HEATING
RT HYSTERESIS

INDUCTION SYSTEMS
(Systems in internal combustion engines that provide for vaporization of fuels.)

RT AIR-INTAKE FILTERS
 AIRPLANE ENGINE DUCTS
 JET ENGINE INLETS
 POWER PLANTS (AIRCRAFT)

Industrial diamonds
 USE DIAMONDS

INDUSTRIAL EQUIPMENT
RT DRILLING MACHINES

INDUSTRIAL PLANTS
UF Plants (Engineering)
NT NUCLEAR POWER PLANTS
RT ECONOMICS
 INDUSTRIAL RELATIONS
 INDUSTRIES
 MACHINE TOOLS
 MACHINES
 SITE SELECTION

INDUSTRIAL PROCUREMENT
BT DISTRIBUTION (ECONOMICS)
RT GOVERNMENT PROCUREMENT

INDUSTRIAL PRODUCTION
RT BUDGETS
 COMMERCE
 COSTS
 DISTRIBUTION (ECONOMICS)

INDUSTRIAL PSYCHOLOGY
BT APPLIED PSYCHOLOGY
 PSYCHOLOGY
RT APTITUDE TESTS
 HUMAN ENGINEERING
 PSYCHOMETRICS

Industrial radiography
 USE RADIOGRAPHY

INDUSTRIAL RELATIONS
NT LABOR UNIONS
RT ECONOMICS
 EMPLOYEE RELATIONS
 INDUSTRIAL PLANTS
 INDUSTRIES
 LABOR
 PERSONNEL MANAGEMENT

INDUSTRIAL RESEARCH
RT ARMED FORCES RESEARCH
 ENGINEERING
 MEDICAL RESEARCH
 OPERATIONS RESEARCH
 RESEARCH PROGRAM
 ADMINISTRATION
 SCIENTIFIC ORGANIZATIONS
 SCIENTIFIC RESEARCH

INDUSTRIAL TRAINING
BT TRAINING

INDUSTRIES
NT AIRCRAFT INDUSTRY
RT ECONOMICS
 INDUSTRIAL PLANTS
 INDUSTRIAL RELATIONS

Inert atmospheres
 USE CONTROLLED ATMOSPHERES

Inert gases
 USE HELIUM GROUP GASES

INERTIAL GUIDANCE

BT GUIDANCE
RT TERMINAL GUIDANCE SYSTEMS

INERTIAL NAVIGATION
BT NAVIGATION

INFANTS
UF Babies
 Newborn

BT MAMMALS
 MAN
 PRIMATES
RT CHILDREN

INFECTIONS
BT DISEASES

Inflammability
 USE FLAMMABILITY

Inflatable devices
 USE INFLATABLE STRUCTURES

INFLATABLE STRUCTURES
UF Inflatable devices
BT STRUCTURES
NT BALLOONS
 METEOROLOGICAL BALLOONS
RT AIRCRAFT
 EXTENDABLE STRUCTURES
 LIFE RAFTS

INFORMATION RETRIEVAL
(The use of computers, electronic accounting machines, and similar mechanical devices to organize, store, and retrieve recorded information. For the use of ordinary methods - such activities, see DOCUMENTATION.)

RT COMPUTERS
 DOCUMENTATION
 ELECTRONIC ACCOUNTING MACHINES
 INDEXES
 MACHINE TRANSLATION

Information theory
 USE COMMUNICATION THEORY

Infrared bearing finders
 USE DIRECTION FINDING and INFRARED EQUIPMENT

INFRARED DETECTORS
UF Infrared searchlights
BT INFRARED EQUIPMENT

Infrared direction finders
 USE DIRECTION FINDING and INFRARED EQUIPMENT

INFRARED EQUIPMENT
UF Infrared bearing finders
 Infrared direction finders
 Infrared identification systems
BT OPTICAL EQUIPMENT
NT INFRARED DETECTORS
 INFRARED FILTERS
RT COMMUNICATION EQUIPMENT
 INFRARED OPTICAL SYSTEMS
 INFRARED SPECTROPHOTOMETERS
 OPTICAL INSTRUMENTS

INFRARED FILTERS
BT INFRARED EQUIPMENT
 OPTICAL EQUIPMENT COMPONENTS
 OPTICAL FILTERS
RT PHOTOGRAPHIC FILTERS
 RADIOFREQUENCY FILTERS

Infrared identification systems
 USE IDENTIFICATION SYSTEMS and INFRARED EQUIPMENT

INFRARED OPTICAL MATERIALS
RT OPTICAL GLASS

INFRARED OPTICAL SYSTEMS
RT INFRARED EQUIPMENT
 OPTICAL EQUIPMENT

INFRARED RADIATION
BT ELECTROMAGNETIC WAVES
 HEAT TRANSFER
 OPTICAL PHENOMENA
RT BLACKBODY RADIATION
 HEAT
 LIGHT
 MICROWAVES
 THERMAL RADIATION

Infrared searchlights
 USE INFRARED DETECTORS

INFRARED SPECTROPHOTOMETERS
BT OPTICAL INSTRUMENTS
 PHOTOMETERS
 SPECTROPHOTOMETERS
 SPECTRUM ANALYZERS
RT INFRARED EQUIPMENT

INFRARED SPECTROSCOPY

BT SPECTROSCOPY

Injections (Parenteral)
 USE PARENTERAL INFUSIONS

INGESTION (ENGINES)
UF Bird ingestion
RT AVIATION ACCIDENTS
 AVIATION SAFETY

INHIBITION
Inhibitors (Oxidation)
 USE ANTIOXIDANTS

Initial approach
 USE APPROACH

INJECTION
NT FUEL INJECTION
 WATER INJECTION
RT INJECTORS

INJECTORS
BT PUMPS
NT FUEL INJECTORS
RT INJECTION

Injuries
 USE WOUNDS & INJURIES

INK
RT PRINTING
 TYPEWRITERS

INLET GUIDE VANES
BT GUIDE VANES
RT DUCT INLETS
 DUCTED BODIES
 ORIFICES

INORGANIC COMPOUNDS
BT CHEMICAL COMPOUNDS
NT SILICIC ACIDS
RT ALKALI METAL COMPOUNDS
 ALKALINE EARTH COMPOUNDS
 HALOGEN COMPOUNDS

INPUT-OUTPUT DEVICES
BT COMPUTER STORAGE DEVICES
NT ANALOG-TO-DIGITAL CONVERTERS
 DIGITAL-TO-ANALOG CONVERTERS
 MAGNETIC TAPE
 PUNCHED CARDS
 PUNCHED TAPE
 READING MACHINES

INSECT CONTROL
BT PEST CONTROL
RT INSECTICIDES

INSECTICIDES
UF Chloridan
BT PESTICIDES
RT INSECT CONTROL

INSTALLATION

INSTRUCTION MANUALS
RT HANDBOOKS
 MILITARY PUBLICATIONS

INSTRUCTORS
UF Teachers
BT PERSONNEL
RT AVIATION PERSONNEL
 EDUCATION
 ENGINEERING PERSONNEL
 OPERATORS (PERSONNEL)
 PROFESSIONAL PERSONNEL
 SCIENTIFIC PERSONNEL
 TRAINING DEVICES

INSTRUMENT DIALS
RT FLIGHT INSTRUMENTS

INSTRUMENT FLIGHT
BT FLIGHT
RT NIGHT FLIGHT
 VISUAL FLIGHT

INSTRUMENT GREASES
BT GREASES
 LUBRICANTS

INSTRUMENT LANDINGS
BT LANDING
RT AIRCRAFT INTERCEPT CONTROL SYSTEMS
 ALL-WEATHER AVIATION
 AVIATION SAFETY
 CARRIER LANDINGS
 GLIDE PATH
 GLIDE-PATH SYSTEMS
 GROUND-CONTROLLED APPROACH RADAR
 MISSED APPROACH
 NIGHT LANDINGS
 RADAR LANDING CONTROL

INSTRUMENT PANELS
BT CONTROL PANELS
RT FLIGHT INSTRUMENTS

Instrumental variables
USE PROBABILITY

INSTRUMENTATION
UF Biinstrumentation

Insulation (Acoustic)
USE ACOUSTIC INSULATION

Insulation (Electric)
USE ELECTRIC INSULATION

Insulation (Mechanical)
USE VIBRATION ISOLATORS

Insulation (Thermal)
USE THERMAL INSULATION

Insulators (Acoustic)
USE ACOUSTIC INSULATION

Insulators (Electric)
USE ELECTRIC INSULATION

Insulators (Thermal)
USE THERMAL INSULATION

INTEGRAL EQUATIONS
UF Cauchy kernels
Fredholm integral equation
Fredholm theory
Schmidt theory
Transport theory
Volterra's integral equation
Wiener-Hopf equations

Integral functions
USE FUNCTIONS

INTEGRAL TRANSFORMS
UF Fourier transforms
Hermite transforms
Hilbert's transforms
Laguerre transforms
Laplace transform
Mellin transform
Pansons
Poisson transform
Sturm-Liouville transform

BT TRANSFORMATIONS (MATHEMATICS)

INTEGRALS
UF Airy-Hardy integrals
Divergent integrals
Fresnel integrals
Kessel integrals
Michell's integral
Poisson's integral
Riesz integrals
Shelley integrals
Wiener integrals

INTEGRATED CIRCUITS
BT CIRCUITS
RT MICROMINIATURIZATION (ELECTRONICS)
MOLECULAR ELECTRONICS
PACKAGED CIRCUITS

INTEGRATION
UF Lagrange formalism

INTEGUMENTARY SYSTEM
RT BODY
MUSCULOSKELETAL SYSTEM

Intelligence (Military)
USE MILITARY INTELLIGENCE

Intelligence (Technological)
USE TECHNOLOGICAL INTELLIGENCE

INTELLIGENCE TESTS
(Tests to determine mental age, i.e. relative capacity to absorb information, solve problems, or to learn apart from actual achievement.)
UF Binet tests
Mental tests
Wechsler scales

BT PSYCHOMETRICS
RT ACHIEVEMENT TESTS
APTITUDE TESTS

INTELLIGIBILITY

INTENSITY
RT EMISSIVITY

INTERCEPTION
NT AIRCRAFT INTERCEPTION
RT TERMINAL GUIDANCE SYSTEMS

INTERCOMMUNICATION SYSTEMS
UF Interphones
BT COMMUNICATION SYSTEMS
RT PUBLIC ADDRESS SYSTEMS
VOICE COMMUNICATION SYSTEMS

Intercoolers
USE HEAT EXCHANGERS

Interface properties
USE SURFACE PROPERTIES

Interfacial tension
USE SURFACE TENSION

INTERFERENCE
RT ATMOSPHERE

INTERFERENCE ANALYZERS
UF Radio interference analyzers
RT NOISE ANALYZERS
RADAR INTERFERENCE
RADIO INTERFERENCE

INTERFEROMETERS
BT OPTICAL INSTRUMENTS
RT SCHLIEREN PHOTOGRAPHY
SPECTRUM ANALYZERS

INTERMEDIATE FREQUENCY
(A frequency resulting from the combination of a received modulated carrier frequency and a locally generated oscillator frequency.)
RT MIXERS (ELECTRONIC)

INTERMEDIATE FREQUENCY AMPLIFIERS
BT AMPLIFIERS

INTERNAL COMBUSTION ENGINES
NT DIESEL ENGINES
GAS GENERATOR ENGINES

Interphones
USE INTERCOMMUNICATION SYSTEMS

INTERROGATORS
(Pulse transmitters used exclusively for exciting a transponder.)
BT PULSE TRANSMITTERS
RT TRANSPONDERS

Intersensory perception
USE SENSORY MECHANISMS

INTESTINES
UF Colon
Duodenum
Ileum
Large intestine
Sigmoid colon

BT GASTROINTESTINAL SYSTEM

Intravenous feeding
USE PARENTERAL INFUSIONS

Inverse hyperbolic functions
USE SPECIAL FUNCTIONS (MATHEMATICAL)

INVERTER CIRCUITS
(Circuits that take in positive signals and put out negative ones, or vice versa.)
BT CIRCUITS
RT COUPLING CIRCUITS
PACKAGED CIRCUITS
TEST EQUIPMENT (ELECTRONICS)
VIBRATORS (ELECTRICAL)
VOLTAGE REGULATORS

Investment casting
USE CASTING

IODINE
BT GROUP VII ELEMENTS
HALOGENS
NON-METALS

ION BEAMS
RT IONIC CURRENT

ION BOMBARDMENT

IONIC CURRENT
BT ELECTRICITY
RT GAS DISCHARGES
GAS IONIZATION
ION BEAMS

IONIZATION
UF Ionizing effects
NT GAS IONIZATION

Ionizing effects
USE IONIZATION

IONOSPHERE
BT ATMOSPHERE
RT IONOSPHERIC DISTURBANCES

IONOSPHERIC DISTURBANCES
RT IONOSPHERIC
MAGNETIC STORMS
RADIOFREQUENCY INTERFERENCE

IONOSPHERIC PROPAGATION
BT PROPAGATION
WAVE TRANSMISSION
RT MULTIPATH TRANSMISSION
RADIO TRANSMISSION

Ionospheric sounding
USE ATMOSPHERIC SOUNDING

IONS
(Electrically charged molecular fragments or atoms. For subatomic ions, see CHARGED PARTICLES. Ions of specific elements are indexed by the compounds of the elements.)
NT FREE RADICALS
ions (Subatomic)
USE CHARGED PARTICLES

IRASERS
BT AMPLIFIERS
RT LASERS
MASERS

IRON ALLOYS
BT ALLOYS
NT STAINLESS STEEL
STEEL

IRON COMPOUNDS
UF Ferric compounds
Ferrous compounds

BT CHEMICAL COMPOUNDS

ISOCYANATE PLASTICS
UF Polymethanes
Polymethenes

BT PLASTICS
EXPANDED PLASTICS
SYNTHETIC RUBBER
THERMOPLASTICS
THERMOSETTING PLASTICS

ISOTROPISM
BT SYMMETRY (CRYSTALLOGRAPHY)
RT CRYSTAL STRUCTURE

J

Jacks (Electricity)
USE ELECTRIC CONNECTORS

Jacobi series
USE SERIES

Jaws
USE HEAD

JET BOMBERS
BT AIRCRAFT
AIRPLANES
BOMBERS
JET PLANES
RT ATTACK BOMBERS

JET ENGINE FAIRINGS
BT FAIRINGS
RT AIRFRAMES
EXHAUST FAIRINGS
JET ENGINE NACELLES
NACELLES

JET ENGINE FUELS
BT FUELS
RT AVIATION FUELS
SCURRY FUELS

JET ENGINE INLETS
NT RAMJET INLETS
TURBOJET INLETS
RT AIR-INTAKE FILTERS
AIRPLANE ENGINE DUCTS
DUCT INLETS
INDUCTION SYSTEMS
WING INLETS

JET ENGINE NACELLES
BT ENGINE NACELLES
NACELLES
RT AIRCRAFT PROTUBERANCES
AIRFRAMES
JET ENGINE FAIRINGS

JET ENGINE NOISE
BT ENGINE NOISE
NOISE
RT JET PLANE NOISE

JET ENGINES
NT PULSEJET ENGINES
RAMJET ENGINES
TURBO-RAMJETS
TURBOFAN ENGINES
TURBOJET ENGINES
TURBOPROPPELLER JET ENGINES
RT AIRPLANE ENGINES
JET PROPULSION
ROCKET MOTORS

JET FIGHTERS
BT AIRCRAFT
AIRPLANES

FIGHTERS
JET PLANES

Jet flame holders
USE FLAME HOLDERS

JET FLAPS
(Thin sheet of fluid air discharged close to the trailing edge of a wing to prevent boundary layer separation.)
UF Jet-augmented flaps
BT BOUNDARY LAYER CONTROL SYSTEMS
RT FLAPS

JET FLYING BOATS
BT AIRCRAFT
AIRPLANES
FLYING BOATS
JET ANES
i-BASED AIRPLANES

JET HELICOPTER ROTORS
UF Aeolipile rotors
Ducted propellers (int. ducting)
Rotor helicopter rotors

BT AERODYNAMIC CONFIGURATIONS
HELICOPTER ROTORS
ROTARY WINGS
WINGS

JET MIXING FLOW
BT FLUID FLOW
RT AXIALLY SYMMETRIC FLOW
GAS FLOW
JETS
TURBULENCE

JET PLANE NOISE
BT NOISE
RT AIRPLANE NOISE
JET ENGINE NOISE
SONIC BOOM

JET PLANES
BT AIRCRAFT
AIRPLANES
NT JET BOMBERS
JET FIGHTERS
JET FLYING BOATS
JET TRAINING PLANES
JET TRANSPORT PLANES
RT AMPHIBIAN PLANES

JET PROPULSION
UF Ramjet propulsion
BT PROPULSION
RT JET ENGINES

JET PUMPS
UF Ejectors (Fluid)
Ejectors (Fluid)
BT PUMPS
NT AIR EJECTORS
RT EJECTION

Jet routes
USE AIR ROUTES

JET STREAMS (METEOROLOGY)
BT ATMOSPHERIC MOTION
METEOROLOGICAL PHENOMENA
WIND

JET TRAINING PLANES
BT AIRCRAFT
AIRPLANES
JET PLANES
TRAINING DEVICES
TRAINING PLANES

JET TRANSPORT PLANES
BT AIRCRAFT
AIRPLANES
JET PLANES
TRANSPORT PLANES
RT SUPERSONIC TRANSPORTS

JET VANES
BT GUIDE VANES
THRUST VECTOR CONTROL SYSTEMS

Jet-augmented flaps
USE JET FLAPS

JETS
BT FLUID FLOW
NT PLASMA JETS
RT CONTROL JETS
JET MIXING FLOW
TURBULENCE

JETTISONABLE COCKPITS
UF Aircraft escape capsules
BT AIRCRAFT EQUIPMENT
COCKPITS
JETTISONABLE EQUIPMENT
RT AIRCRAFT CABINS
EJECTION SEATS
PRESSURIZED CABINS

JETTISONABLE EQUIPMENT

JETTISONABLE EQUIPMENT
 BT AIRCRAFT EQUIPMENT
 NT EJECTION SEATS
 EXTERNAL STORES
 JETTISONABLE COCKPITS
 RT AIRCRAFT CABINS
 AIRCRAFT PROTUBERANCES
 FAIRINGS
 LANDING GEAR
 KACELLES
JOB ANALYSIS
 UF Position descriptions
 Task analysis
 BT PERSONNEL MANAGEMENT
 RT EMPLOYEE RELATIONS
 LABOR UNIONS
JOINTS
 NT BOLTED JOINTS
 BONDED JOINTS
 METAL JOINTS
 RIVETED JOINTS
 SOLDERED JOINTS
 WELDS
 RT ADHESIVES
 BONDING
 HOOKS
 LOCKING FASTENER DEVICES
 MECHANICAL FASTENERS
 STRUCTURAL PARTS
JOINTS (PHYSIOLOGY)
 UF Shoulder
 BT MUSCULOSKELETAL SYSTEM
 RT BONE
 SKELETON
 SPINAL COLUMN
Junction transistors
 USE TRANSISTORS
Jungle tests
 USE TROPICAL TESTS
JUNGLES
 BT TERRAIN
 RT TREES

K

K BAND
 (11,000 to 36,000 mc.)
 BT FREQUENCY
 MICROWAVE FREQUENCY
 RADIOFREQUENCY
 RT MILLIMETER WAVES
Kangaroo rats
 USE RODENTS
Kassel integrals
 USE INTEGRALS
KEL-F
 USE HALOCARBON PLASTICS
Kellog-Evans theorem
 USE PARTIAL DIFFERENTIAL
 EQUATIONS
KEROSENE
 BT FUELS
 RT PETROLEUM
Keys (Frequency shift)
 USE FREQUENCY-SHIFT KEYS
Keys (Pulse generators)
 USE PULSE GENERATORS
KIDNEYS
 UF Renal hemodynamics
Kinematics
 USE MECHANICS
Kinetics
 USE DYNAMICS
KLEBSIELLA
 BT BACTERIA
 ENTEROBACTERIACEAE
*Kleene partial recursive
 functionals*
 USE MATHEMATICAL LOGIC
Klein spaces
 USE FUNCTIONAL ANALYSIS
KLYSTRONS
 BT ELECTRON TUBES
Knife switches
 USE ELECTRIC SWITCHES
Knobs
 USE CONTROL KNOBS

Kohn-huthen variational principle
 USE OPERATORS (MATHEMATICS)
Kolmogoroff's equation
 USE PROBABILITY
Kolmogorov statistics
 USE STATISTICAL ANALYSIS
Krein-Smulan theorem
 USE FUNCTIONAL ANALYSIS
Krons method
 USE ALGEBRAIC TOPOLOGY
Kummer functions
 USE SPECIAL FUNCTIONS
 (MATHEMATICAL)
Kuranishi theory
 USE ALGEBRAIC TOPOLOGY

L

L BAND
 (390 to 1550 mc.)
 BT FREQUENCY
 RADIOFREQUENCY
L-ideals
 USE ALGEBRA
LABELLED SUBSTANCES
 UF Tracers (Labeled substances)
 RT RADIOACTIVE ISOTOPES
 TRACER STUDIES
LABOR
 RT EMPLOYEE RELATIONS
 INDUSTRIAL RELATIONS
 PERSONNEL MANAGEMENT
LABOR UNIONS
 UF Trade unions
 BT EMPLOYEE RELATIONS
 INDUSTRIAL RELATIONS
 PERSONNEL MANAGEMENT
 RT JOB ANALYSIS
LABORATORIES
 NT AERONAUTICAL LABORATORIES
 MATHEMATICS LABORATORIES
 MEDICAL LABORATORIES
 NAVAL RESEARCH
 LABORATORIES
 RT RANGES (ESTABLISHMENTS)
 TEST FACILITIES
LABORATORY ANIMALS
 UF Experimental animals
 BT ANIMALS
LABORATORY EQUIPMENT
Labyrinth (Ear)
 USE EAR
Labyrinth glands
 USE GAS SEALS
Lacquer removers
 USE PAINT REMOVERS
Lacquers
 USE VARNISHES
Lading
 USE CARGO
Lagrange formalism
 USE INTEGRATION
Lagrange interpolation formula
 USE NUMERICAL ANALYSIS
Lagrange multipliers
 USE NUMERICAL ANALYSIS
 and PARTIAL DIFFERENTIAL
 EQUATIONS
LAGUERRE FUNCTION
 USE SPECIAL FUNCTIONS
 (MATHEMATICAL)
Laguerre transforms
 USE INTEGRAL TRANSFORMS
Lambert series
 USE SERIES
LAMINAR BOUNDARY LAYER
 BT BOUNDARY LAYER
 FLUID DYNAMIC PROPERTIES
 FLUID FLOW
 RT BOUNDARY LAYER CONTROL
 BOUNDARY LAYER TRANSITION
 LAMINAR FLOW
LAMINAR FLOW
 BT FLUID FLOW
 RT LAMINAR BOUNDARY LAYER
LAMINATED GLASS
 BT GLASS

LAMINATES
 UF Plastic laminates
 BT LAMINATES
 PLASTICS
 RT FILAMENT WOUND
 CONSTRUCTION
 SANDWICH CONSTRUCTION
LAMINATES
 NT LAMINATED GLASS
 LAMINATED PLASTICS
 PLYWOOD
Lamplack
 USE CARBON BLACK
Lancse's matrix iteration method
 USE NUMERICAL METHODS AND
 PROCEDURES
LAND USE
 RT ECONOMICS
LANDING
*(Landing of aircraft or spacecraft on
 the earth or on celestial bodies.)*
 NT CARRIER LANDINGS
 INSTRUMENT LANDINGS
 NIGHT LANDINGS
 RT APPROACH
 AVIATION SAFETY
 DESCENT
 FLAREOUT
 FLIGHT
 FLIGHT PATHS
 LANDING MATS
 MISSED APPROACH
 RADAR LANDING CONTROL
 TAKE-OFF
 TERMINAL FLIGHT FACILITIES
 TOUCHDOWN
LANDING AIDS
 UF Angle of approach indicators
 BT TERMINAL FLIGHT FACILITIES
 NT AIRPORT CONTROL TOWERS
 APPROACH INDICATORS
 APPROACH LIGHTS
 ARRESTING GEAR
 CARRIER-CONTROLLED
 APPROACH RADAR
 GROUND-CONTROLLED
 APPROACH RADAR
 RADAR LANDING CONTROL
 RT AIR TRAFFIC CONTROL SYSTEMS
 AIRPORTS
 ALL-WEATHER AVIATION
 AVIATION SAFETY
 GLIDE-PATH SYSTEMS
 LANDING FIELDS
 LANDING MATS
 RUNWAYS
LANDING FIELDS
 UF Airfields
 BT TERMINAL FLIGHT FACILITIES
 NT HELIPORTS
 RT AIR TRAFFIC CONTROL SYSTEMS
 AIRPORTS
 ALL-WEATHER AVIATION
 AVIATION SAFETY
 LANDING AIDS
 LANDING MATS
 RUNWAYS
LANDING GEAR
*(includes equipment for landing
 aircraft and spacecraft.)*
 UF Ski landing gear
 Skids
 BT AIRCRAFT EQUIPMENT
 NT AIRCRAFT TIRES
 HYDRO-SKIS
 NOSE WHEELS
 SEAPLANE FLOATS
 TAIL WHEELS
 RT AIRCRAFT PROTUBERANCES
 AIRFRAMES
 FAIRINGS
 JETTISONABLE EQUIPMENT
 LANDING LIGHTS
LANDING GEAR DOORS
 BT AIRCRAFT EQUIPMENT
 RT AIRCRAFT PROTUBERANCES
 AIRFRAMES
 FAIRINGS
 NOSE WHEELS
LANDING IMPACT
 BT IMPACT SHOCK
 RT SHOCK (MECHANICS)
 WATER ENTRY
LANDING LIGHTS
 BT AIRCRAFT EQUIPMENT
 LIGHTING EQUIPMENT

THESAURUS OF FAA DESCRIPTORS

RT AIRFRAMES
 FAIRINGS
 LANDING GEAR
 MARKER LIGHTS
LANDING MATS
 BT TERMINAL FLIGHT FACILITIES
 RT APPROACH LIGHTS
 LANDING
 LANDING AIDS
 LANDING FIELDS
 RUNWAYS
LANGUAGE
 UF Philology
 NT VOCABULARY
 RT SPEECH
Lanthanum compounds
 USE RARE EARTH COMPOUNDS
Laplace difference equations
 USE DIFFERENCE EQUATIONS
Laplace transform
 USE INTEGRAL TRANSFORMS
Laplace's equation
 USE PARTIAL DIFFERENTIAL
 EQUATIONS
LARGE INTESTINE
 USE INTESTINES
Large intestines
 USE INTESTINES
Larynx
 USE THROAT
LASERS
 BT AMPLIFIERS
 OPTICAL EQUIPMENT
 COMPONENTS
 RT IMAGE INTENSIFIERS
 (ELECTRONICS)
 IRASERS
 MASERS
LATERAL STABILITY
 USE FLIGHT CHARACTERISTICS
Latin squares
 USE COMBINATORIAL ANALYSIS
Lattice sums
 USE ALGEBRA
Lattices (Mathematics)
 USE ALGEBRA
LAUNCH VEHICLES
 RT ROCKET MOTORS
LAUNCH VEHICLES (AEROSPACE)
 BT LAUNCHING
 RT ROCKET MOTORS
 SPACECRAFT
Launchers
 USE LAUNCHING
LAUNCHING
 UF Launchers
 NT CATAPULTS
 LAUNCH VEHICLES (AEROSPACE)
 RT GUN LAUNCHED
 ROCKETS
 TAKE-OFF
LAW
 UF Regulations
 NT LICENSING
LEAD COMPOUNDS
LEADERSHIP
 RT ADJUSTMENT (PSYCHOLOGY)
 ATTITUDES
 GROUP DYNAMICS
 MANAGEMENT ENGINEERING
 MILITARY PSYCHOLOGY
 PSYCHOLOGY
LEADING EDGE
 UF Forward edge
 BT AERODYNAMIC CONFIGURATIONS
 AERODYNAMIC CONTROL
 SURFACES
 CONTROL SURFACES
 NT LEADING EDGE FLAPS
 RT AIRFOILS
 BLADE AIRFOILS
 TRAILING CONTROL SURFACES
LEADING EDGE FLAPS
 BT AERODYNAMIC CONFIGURATIONS
 AERODYNAMIC CONTROL
 SURFACES
 CONTROL SURFACES
 FLAPS
 LEADING EDGE
 RT SPOILERS
Leakage current anemometers
 USE ANEMOMETERS
LEARNING
 BT BEHAVIOR
 RT CONDITIONED REFLEX

LEARNING (Con.)
 MEMORY
 PSYCHOLOGY
 TRAINING
 TRANSFER OF TRAINING
LEAST SQUARES METHOD
Lecthins
 USE PHOSPHOLIPIDS
Lecthoproteins
 USE PROTEINS (CONJUGATED)
Ledermann theorem
 USE MATRIX ALGEBRA
Legendre coefficients
 USE SPECIAL FUNCTIONS (MATHEMATICAL)
Legendre expansions
 USE SERIES
Legendre functions
 USE SPECIAL FUNCTIONS (MATHEMATICAL)
LEGS
 UF Feet
 Toes
 BT BODY
 EXTREMITIES
 RT ARMS
Legs (Supports)
 USE SUPPORTS
LENGTH
 USE DIMENSIONS
Lens (Crystalline)
 USE EYE
LENC ANTENNAS
 ET ANTENNA CONFIGURATIONS
 ANTENNAS
LENSES
 NT ELECTROMAGNETIC LENSES
 ELECTRON LENSES
 RT OPTICAL EQUIPMENT
 COMPONENTS
 OPTICAL FILTERS
Leontief matrix
 USE MATRIX ALGEBRA
Letdown
 USE DESCENT
LETHAL DOSAGE
 (The amount of radiation or toxic agent which produces death.)
 BT DOSAGE
 RT RADIOLOGICAL DOSAGE
LEUKEMIA
 BT BLOOD DISORDERS
 CANCER
 NEOPLASMS
LEUKOCYTES
 UF White blood cells
 BT BLOOD
 BLOOD CELLS
 CELLS (BIOLOGY)
 EOSINOPHILS
 LYMPHOCYTES
 RT BLOOD COUNTS
 HEMATOLOGY
 HEMOPOIETIC SYSTEM
 RETICULOENDOTHELIAL SYSTEM
Leukopenia
 USE BLOOD DISORDERS
LEVARTERENOL
 UF Arterenol
 Noradrenalin
 Norpinephrine
 BT ADRENAL MEDULLA HORMONES
 HORMONES
 SYMPATHOMIMETIC AGENTS
 RT AUTONOMIC AGENTS
 EPINEPHRINE
 VASOACTIVE AGENTS
Level indicators
 USE HORIZONTAL INDICATORS
Liaison planes
 USE UTILITY PLANES
LIBRARIES
 UF Library science
 RT CATALOGS
 DIRECTORIES
 DOCUMENTATION
 INDEXES
 PERIODICALS
 RECORDS
 REPORTS
Library science
 USE LIBRARIES
Licenses
 USE LICENSING

LICENSING
 UF Airman certificates
 Certification
 Licenses
 Mechanics certification
 Pilot licenses
 BT LAW
 RT AIRWORTHINESS
Life rings
 USE ALGEBRA
Lieberman-Solomon multilevel
 USE SAMPLING
Liebman method
 USE PARTIAL DIFFERENTIAL EQUATIONS
Lienard equation
 USE NONLINEAR DIFFERENTIAL EQUATIONS
Life buoys
 USE LIFE PRESERVERS
LIFE EXPECTANCY
LIFE PRESERVERS
 UF Life buoys
 BT SEA RESCUE EQUIPMENT
 RT LIFE RAFTS
LIFE RAFTS
 UF Pneumatic life rafts
 BT SEA RESCUE EQUIPMENT
 RT INFLATABLE STRUCTURES
 LIFE PRESERVERS
 SURVIVAL KITS
Life saving
 USE FIRST-AID
LIFE SUPPORT
 (Protection and sustenance for living organisms in extreme environments such as outer space.)
 RT CLOSED-CYCLE ECOLOGICAL SYSTEMS
 OXYGEN EQUIPMENT
 PRESSURE SUITS
 PRESSURIZED CABINS
 VENTILATION
LIFT
 BT AERODYNAMIC FORCES
 FLUID DYNAMIC PROPERTIES
 RT AREA SUCTION
 BOUNDARY LAYER
 BOUNDARY LAYER CONTROL
 BOUNDARY LAYER TRANSITION
 DOWNWASH
 DRAG
 GROUND EFFECT
 THRUST
LIGHT
 UF Daylight
 Light radiation
 Sunlight
 BT ELECTROMAGNETIC WAVES
 OPTICAL PHENOMENA
 NT LIGHT PULSES
 MONOCHROMATIC LIGHT
 OPTICAL IMAGES
 RT INFRARED RADIATION
 LUMINESCENCE
Light adaptation
 USE ADAPTATION (PHYSIOLOGY) and VISION
LIGHT COMMUNICATION SYSTEMS
 BT COMMUNICATION SYSTEMS
 RT OPTICAL EQUIPMENT
Light globes
 USE LIGHTING EQUIPMENT
Light guns
 USE PHOTOTUBES
LIGHT HOMING
 UF Photoelectric target seekers
 BT GUIDANCE
 HOMING DEVICES
 TERMINAL GUIDANCE
 RT OPTICAL TRACKING
Light pipes
 USE FIBER OPTICS
LIGHT PULSES
 BT ELECTROMAGNETIC PULSES
 ELECTROMAGNETIC WAVES
 LIGHT
 OPTICAL PHENOMENA
 RT MONOCHROMATIC LIGHT
 OPTICAL IMAGES
Light radiation
 USE LIGHT
Light ranging systems
 USE OPTICAL EQUIPMENT

and RANGE FINDING
LIGHT TRANSMISSION
 BT OPTICAL PROPERTIES
 WAVE TRANSMISSION
 RT ATMOSPHERIC REFRACTION
 BRIGHTNESS
 COLORS
 DIFFRACTION
 DISTORTION
 FIBER OPTICS
 FOCUSING
 ILLUMINATION
 REFLECTION
 REFRACTION
 SKY BRIGHTNESS
 SNELL'S LAW
 VISIBILITY
LIGHTING EQUIPMENT
 UF Light globes
 Lights (Illumination)
 Spotlights
 NT FLOODLIGHTS
 LANDING LIGHTS
 SEARCHLIGHTS
 RT FLASHLIGHTS
 INCANDESCENT LAMPS
 MARKER LIGHTS
 OPTICAL EQUIPMENT
 SIGNAL LIGHTS
LIGHTNING
 BT ATMOSPHERIC ELECTRICITY
 ELECTRIC DISCHARGES
 ELECTRICITY
 METEOROLOGICAL PHENOMENA
 RT ELECTRIC CURRENTS
 STATIC ELECTRICITY
LIGHTNING ARRESTERS
 RT STATIC DISCHARGERS
LIGHTNING ARRESTORS
 RT STATIC DISCHARGERS
Lights (Illumination)
 USE LIGHTING EQUIPMENT
Lights (Markers)
 USE MARKER LIGHTS
Lights (Signals)
 USE SIGNAL LIGHTS
Limbs
 USE EXTREMITIES
LIMESTONE
 BT ROCK (GEOLOGY)
Limit cycles
 USE DIFFERENTIAL EQUATIONS
LIMITERS
Line bundles
 USE ALGEBRAIC TOPOLOGY
LINE-THROWING EQUIPMENT
 RT MARINE SAFETY EQUIPMENT
Linear amplifiers
 USE AMPLIFIERS and LINEAR SYSTEMS
Linear equations
 USE EQUATIONS
Linear momentum
 USE MOMENTUM
Linear prediction
 USE MATHEMATICAL PREDICTION
LINEAR PROGRAMMING
 (A computational technique for determining the maximum or minimum of a linear function subject to certain linear types of inequalities.)
 BT OPERATIONS RESEARCH
LINEAR SYSTEMS
 UF Linear amplifiers
 RT NONLINEAR SYSTEMS
Linoleum
 USE FLOOR COVERINGS
LIPIDS
 UF Body fats
 NT FATTY ACIDS
 PHOSPHOLIPIDS
 STEROIDS
 RT HORMONES
LIPOPROTEINS
 BT PROTEINS
 PROTEINS (CONJUGATED)
LIQUEFIED GASES
 RT CRYOGENICS
 GASES
LIQUID METAL PUMPS
 BT PUMPS
 VALVES
 RT ELECTROMAGNETIC PUMPS
 HEAT EXCHANGERS

LIQUID METALS
 UF Metals (Liquid)
LIQUID ROCKET FUELS
 BT FUELS
 RT FUEL ADDITIVES
LIQUID ROCKET PROPELLANTS
 BT PROPELLANTS
 ROCKET PROPELLANTS
 RT FUEL ADDITIVES
LIQUID-LEVEL CONTROL
 UF Fuel-level control
LIQUIDS
 BT FLUIDS
 RT DROPS
 GASES
 SPRAYS
 VAPORS
Literacy
 USE EDUCATION
LITHIUM COMPOUNDS
 BT ALKALI METAL COMPOUNDS
Lithopadion
 USE EMBRYOS
Lithopeton
 USE EMBRYOS
LIVER
 BT GASTROINTESTINAL SYSTEM
LOAD DISTRIBUTION
 RT AERODYNAMIC HEATING
 AERODYNAMIC LOADING
 LOADING (MECHANICS)
LOADING (MECHANICS)
 NT AERODYNAMIC LOADING
 GUST LOADS
 RT LOAJ DISTRIBUTION
Loading aprons
 USE APRONS
Lobing
 USE ANTENNA LOBES
Lobsters
 USE CRUSTACEA
LOCALIZERS
 (A runway localizer beacon for giving lateral guidance to a landing aircraft.)
Locators
 USE DETECTORS
Lock bolts
 USE LOCKING FASTENER DEVICES
Lock nuts
 USE LOCKING FASTENER DEVICES
LOCKING FASTENER DEVICES
 UF Lock bolts
 Lock nuts
 Nuts (Mechanics)
 Self-locking fasteners
 Self-locking nuts
 BT MECHANICAL FASTENERS
 NT RIVETS
 RT BOLTS
 HOOKS
 JOINTS
Logarithmic functions
 USE FUNCTIONS
Logic (Mathematics)
 USE MATHEMATICAL LOGIC
Logical networks
 USE COMPUTER LOGIC
LOGISTICS
 UF Air force logistics
 Army logistics
 Federal supplies
 Logistics management
 Naval logistics
 Supplies
 NT AIR FORCE EQUIPMENT
 AIR FORCE PROCUREMENT
 ARMED FORCES BUDGETS
 ARMED FORCES PROCUREMENT
 ARMED FORCES SUPPLIES
 ARMED FORCES
 TRANSPORTATION
 ARMY EQUIPMENT
 ARMY PROCUREMENT
 NAVAL EQUIPMENT
 NAVAL PROCUREMENT
 SUPPLY DEPOTS
 RT AIR FORCE OPERATIONS
 ARMED FORCES OPERATIONS
 ARMY OPERATIONS
 MAINTENANCE
 MOBILIZATION
 NAVAL OPERATIONS
 PROCUREMENT
 TRANSPORTATION

Logistics management
USE LOGISTICS
LONGITUDINAL STABILITY
USE FLIGHT CHARACTERISTICS
LOOP ANTENNAS
BT ANTENNA CONFIGURATIONS
ANTENNAS

LORAN
BT NAVIGATION
NT LORAN EQUIPMENT
RT HYPERBOLIC NAVIGATION
LORAN EQUIPMENT
UF Loran receivers
BT LORAN
NAVIGATION

Loran receivers
USE LORAN EQUIPMENT
and RADIO RECEIVERS

Lotoosky method
USE SERIES

LOUDSPEAKERS
BT COMMUNICATION EQUIPMENT
RT MEGAPHONES
MICROPHONES
PUBLIC ADDRESS SYSTEMS

LOW ALTITUDE
(Less than 5,000 feet.)
BT ALTITUDE

LOW FREQUENCY
(30 to 300 kc.)
BT FREQUENCY
RADIOFREQUENCY

LOW-PASS FILTERS
BT FILTERS (ELECTROMAGNETIC
WAVE)
FILTERS (ELECTROMAGNETIC)
RT BAND-PASS FILTERS
RADIOFREQUENCY FILTERS

LOW-PRESSURE RESEARCH
BT SCIENTIFIC RESEARCH
RT VACUUM APPARATUS

LOW-TEMPERATURE ALLOYS
BT ALLOYS

LOW-TEMPERATURE LUBRICANTS
BT LUBRICANTS
RT GREASES

LOW-TEMPERATURE RESEARCH
BT SCIENTIFIC RESEARCH
RT COLD WEATHER TESTS
CRYOGENICS

Lower camber
USE CAMBER

Lows (Atmospheric)
USE CYCLONES

LP spaces
USE FUNCTIONAL ANALYSIS

LUBRICANT ADDITIVES
UF Lubricating oil additives
BT ADDITIVES
RT GREASES
LUBRICANTS

LUBRICANTS
NT AIRPLANE ENGINE OILS
GREASES
INSTRUMENT GREASES
LOW-TEMPERATURE
LUBRICANTS
RT GRAPHITE
LUBRICANT ADDITIVES
LUBRICATION
MINERAL OILS
OILS
PETROLEUM

Lubricating oil additives
USE LUBRICANT ADDITIVES

LUBRICATION
RT GREASES
LUBRICANTS

Luche
USE ACRYLIC RESINS

LUMINESCENCE
UF Luminescent materials
BT OPTICAL PHENOMENA
NT ELECTROLUMINESCENCE
FLUORESCENCE
PHOSPHORESCENCE
RT LIGHT

Luminescent materials
USE LUMINESCENCE

LUNAR CRAFT
(Manned spacecraft capable of soft
landings on the moon. For
unmanned instrument packages, see
LUNAR PROBES.)
BT SPACECRAFT

LUNGS
UF Atelectasis
BT RESPIRATORY SYSTEM

Luteolum
USE RARE EARTH COMPOUNDS

Luteolum compounds
USE RARE EARTH COMPOUNDS

LYMPHATIC SYSTEM
UF Thymus gland
RT BLOOD
BODY
CARDIOVASCULAR SYSTEM

LYMPHOCYTES
BT BLOOD
BLOOD CELLS
CELLS (BIOLOGY)
LEUKOCYTES
RT EOSINOPHILS
HEMATOLOGY

M

MACH NUMBER
(A number expressing the ratio of
speed of a body or point of a body
with respect to the surrounding air
or other fluid or the speed of flow to
the speed of sound in the medium.)
BT AIRSPEED
FLIGHT SPEEDS
VELOCITY
RT FLUID DYNAMIC PROPERTIES

Machahon's theory
USE COMBINATORIAL ANALYSIS

MACHINE TOOLS
NT DRILLING MACHINES
RT DIES
INDUSTRIAL PLANTS
MACHINES
POSITIONING DEVICES
(MACHINERY)

MACHINE TRANSLATION
UF Automatic translation
Translating machines
RT DOCUMENTATION
INFORMATION RETRIEVAL
TEACHING MACHINES

MACHINES
RT DRILLING MACHINES
INDUSTRIAL PLANTS
MACHINE TOOLS
POSITIONING DEVICES
(MACHINERY)

MACHINING
(Shaping or finishing by
machineoperated cutting tools.)
BT FINISHES & FINISHING
MATERIAL FORMING

MACHMETERS
BT FLIGHT INSTRUMENTS
FLIGHT SPEED INDICATORS
RT AIRSPEED INDICATORS
GROUND-POSITION INDICATORS
GROUND-SPEED INDICATORS
STALL-WARNING INDICATORS

Macrobort's E-functions
USE SPECIAL FUNCTIONS
(MATHEMATICAL)

Mad
USE MAGNETOMETERS

Magazines
USE PERIODICALS

MAGNESIUM
BT GROUP II ELEMENTS
METALS

MAGNESIUM ALLOYS
BT ALLOYS

MAGNESIUM COMPOUNDS
Magnetic airborne detectors
USE MAGNETOMETERS

MAGNETIC AMPLIFIERS
BT AMPLIFIERS

RT PARAMETRIC AMPLIFIERS
SATURABLE REACTORS
TRANSISTOR AMPLIFIERS

MAGNETIC CORE STORAGE
BT COMPUTER STORAGE DEVICES
RT MAGNETIC CORES

Magnetic core switches
USE MAGNETIC CORES

MAGNETIC CORES
UF Magnetic core switches
BT COMPUTER STORAGE DEVICES
RT ELECTRIC SWITCHES
MAGNETIC CORE STORAGE
MAGNETIC MATERIALS
SATURABLE REACTORS

Magnetic detectors
USE MAGNETOMETERS

MAGNETIC DRIVES
BT DRIVES
NT ELECTROMAGNETIC DRIVES

MAGNETIC FIELDS
NT ELECTROMAGNETIC FIELDS
RT MAGNETISM
PARAMAGNETIC RESONANCE
SUPERCONDUCTIVITY

MAGNETIC GUIDANCE
BT GUIDANCE
RT NAVIGATION
TERMINAL GUIDANCE

MAGNETIC MATERIALS
NT FERROMAGNETIC MATERIALS
PARAMAGNETIC MATERIALS
RT MAGNETIC CORES
MAGNETISM
MAGNETS

MAGNETIC MOMENTS
BT POLARIZATION
RT ELECTRIC MOMENTS
MOMENTS

MAGNETIC NAVIGATION
BT NAVIGATION

Magnetic permeability
USE MAGNETIC PROPERTIES

MAGNETIC PROPERTIES
(Response of equipment or materials to
magnetic fields. Also, the ability of
equipment or materials to produce
magnetic fields.)
UF Diamagnetic properties
Magnetic permeability
Magnetic susceptibility
NT HALL EFFECT
MAGNETOSTRICTION
RT HYSTERESIS
MAGNETISM
PARAMAGNETIC RESONANCE
POLARIZATION

Magnetic proving grounds
USE RANGES (ESTABLISHMENTS)

MAGNETIC RECORDING SYSTEMS
BT RECORDING DEVICES
RECORDING SYSTEMS

MAGNETIC STORMS
BT MAGNETISM
TERRESTRIAL MAGNETISM
RT IONOSPHERIC DISTURBANCES
RADIOFREQUENCY
INTERFERENCE

Magnetic susceptibility
USE MAGNETIC PROPERTIES

MAGNETIC TAPE
BT COMPUTER STORAGE DEVICES
INPUT-OUTPUT DEVICES
RT DATA STORAGE SYSTEMS
PUNCHED TAPE

MAGNETISM
NT ANTIFERROMAGNETISM
FERROMAGNETISM
MAGNETIC STORMS
TERRESTRIAL MAGNETISM
RT ELECTROMAGNETISM
MAGNETIC FIELDS
MAGNETIC MATERIALS
MAGNETIC PROPERTIES
MAGNETS
PARAMAGNETIC MATERIALS

MAGNETO-OPTIC EFFECT
(Effects of magnetic fields upon light.)
UF Faraday effect
Gyromagnetic effect
Magneto-optic rotation
BT OPTICAL PROPERTIES
RT POLARIZATION

Magneto-optic rotation
USE MAGNETO-OPTIC EFFECT

Magnetofluidynamics
USE MAGNETOHYDRODYNAMICS

Magnetogasdynamics
USE MAGNETOHYDRODYNAMICS

Magneto hydrodynamic waves
USE MAGNETOHYDRODYNAMICS

MAGNETOHYDRODYNAMICS
(Motion of electrically conducting
fluids in electric and magnetic
fields.)
UF Alfvén waves
Magnetofluidynamics
Magnetogasdynamics
Magneto hydrodynamic waves
RT ELECTROMAGNETIC WAVES
FLUID FLOW
FLUID MECHANICS
MECHANICAL WAVES
PLASMA PHYSICS

MAGNETOMETERS
UF Flux-gate magnetometers
Gradiometers
Mad
Magnetic airborne detectors
Magnetic detectors

Magnetosphere
USE UPPER ATMOSPHERE

MAGNETOSTRICTION
(Phenomena relating to ferromagnetic
substances under magnetic
influence.)
BT MAGNETIC PROPERTIES
RT ELECTROSTRICTION
MAGNETOSTRICTIVE ELEMENTS
MECHANICAL PROPERTIES

MAGNETOSTRICTIVE ELEMENTS
UF Magnetostrictive resonators
Magnetostrictive transducers
RT MAGNETOSTRICTION

Magnetostrictive resonators
USE MAGNETOSTRICTIVE ELEMENTS

Magnetostrictive transducers
USE MAGNETOSTRICTIVE ELEMENTS

MAGNETRONS
UF Split-anode magnetrons
BT ELECTRON TUBES
RT RESONATORS

MAGNETS
UF Permanent magnets
NT ELECTROMAGNETS
RT ELECTROMAGNETISM
MAGNETIC MATERIALS
MAGNETISM

MAINTAINABILITY
(Design and installation characteristics
of material to ensure operational
objectives will be met with minimum
maintenance effort.)
RT ACCEPTABILITY
MAINTENANCE

MAINTENANCE
UF Repair
Upkeep
RT ARMED FORCES PROCUREMENT
LOGISTICS
MAINTAINABILITY

MAINTENANCE EQUIPMENT
UF Maintenance tools
RT SMALL TOOLS

MAINTENANCE PERSONNEL
BT PERSONNEL
RT AVIATION PERSONNEL
ENGINEERING PERSONNEL
FLIGHT CREWS
GUIDED MISSILE PERSONNEL
MILITARY PERSONNEL
NAVAL PERSONNEL
OPERATORS (PERSONNEL)

Maintenance tools
USE MAINTENANCE EQUIPMENT

MAINTENANCE VEHICLES
(Vehicles equipped as maintenance
and repair shops or for carrying
spare parts of equipment, excludes
vehicles for maintenance of roads,
as graders.)
BT VEHICLES
RT RECOVERY VEHICLES
SNOW VEHICLES
TOWED VEHICLES

MALFUNCTIONS
(Failure of a piece of equipment or of
a part to function normally.)
UF Failure (Equipment)

MEDIUM FREQUENCY (Con.)

BT FREQUENCY
RADIOFREQUENCY
Megaloblasts
USE ERYTHROCYTES
MEGAPHONES
BT ACOUSTIC EQUIPMENT
RT LOUDSPEAKERS
PUBLIC ADDRESS SYSTEMS
SOUND GENERATORS
Meissner's method
USE NUMERICAL METHODS AND PROCEDURES

Mellin transform
USE INTEGRAL TRANSFORMS

MELTING

MEMBRANES
RT MECHANICAL PROPERTIES
MECHANICS

MEMORY

RT BEHAVIOR
LEARNING
PSYCHOLOGY

Merge permutations
USE PROBABILITY

Mental fatigue
USE FATIGUE (PHYSIOLOGY)

Mental tests

USE INTELLIGENCE TESTS

Meprobamate

USE TRANQUILIZERS

MERCURY

BT GROUP II ELEMENTS
METALS

Mercury delay lines

USE DELAY LINES

Mesomorphic functions

USE FUNCTIONS

Metabolic diseases

USE METABOLISM DISORDERS

Metabolic products

USE METABOLISM

METABOLISM

UF Metabolic products
Plant metabolism

RT DEHYDRATION
OXYGEN CONSUMPTION
PHOTOSYNTHESIS
STARVATION

METABOLISM DISORDERS

UF Amyloidosis
Hemochromatosis
Metabolic diseases

BT DISEASES

NT ATHEROSCLEROSIS

RT HYPERGLYCEMIA

OBESITY**METAL COATINGS**

BT COATINGS
FINISHES & FINISHING
NT ALUMINUM COATINGS
RT METAL FILMS
PLATING

METAL FILMS

BT FILMS
RT FOILS
METAL COATINGS

Metal foils

USE FOILS

METAL JOINTS

BT JOINTS
RT ADHESIVES
BOLTED JOINTS
BONDED JOINTS
RIVETED JOINTS
SOLDERED JOINTS

METAL PLATES

UF Plates (Metal)
BT STRUCTURAL PARTS
RT FLANGES
SHEETS

METAL SEALS

BT SEALS (STOPPERS)
RT ADHESIVES
FUEL SEALS
Gas seals

Metal-glass adhesives

USE ADHESIVES

Metal-plastic adhesives

USE ADHESIVES

Metal-rubber adhesives

USE ADHESIVES

Metal-wood adhesives

USE ADHESIVES

METALLIC CRYSTALS

BT CRYSTALS
SOLIDS

METALLIC TEXTILES

BT TEXTILES
RT FIRE-RESISTANT TEXTILES

METALLOGRAPHY

(Studies of the relationships of the structures of metals and alloys to their properties. For the science of preparing metals from their ores, see METALLURGY.)

RT CRYSTAL STRUCTURE
GRAIN STRUCTURES
(METALLURGY)
MECHANICAL PROPERTIES
METALLURGY
MICROSTRUCTURE

Metalloproteins

USE PROTEINS (CONJUGATED)

METALLURGY

RT METALLOGRAPHY
SLAGS

METALORGANIC COMPOUNDS

(Organic compounds having metal atoms attached directly to carbon atoms.)

METALS

NT ALKALINE EARTH METALS

ALUMINUM
BERYLLIUM
CADMIUM
CHROMIUM
COBALT
COPPER
GERMANIUM
GOLD
GROUP II ELEMENTS
MAGNESIUM
MERCURY
MOLYBDENUM
NICKEL
NIOBIUM
TANTALUM
TITANIUM
TRANSITION ELEMENTS
TUNGSTEN
RT GROUP I ELEMENTS
GROUP III ELEMENTS
GROUP IV ELEMENTS
GROUP V ELEMENTS
GROUP VI ELEMENTS
GROUP VII ELEMENTS
NON-METALS

Metals (Liquid)

USE LIQUID METALS

METEORITES

(Solid bodies from outer space that have entered the earth's atmosphere and struck its surface.)

BT METEORS**METEOROLOGICAL BALLOONS**

UF Aeronautical balloons
AIRCRAFT
BALLOONS

RT METEOROLOGICAL INSTRUMENTS

RADIOSONDES**METEOROLOGICAL CHARTS**

BT MAPS
RT METEOROLOGICAL INSTRUMENTS
METEOROLOGICAL PARAMETERS
METEOROLOGY
NAVIGATION CHARTS

Meteorological data

USE METEOROLOGICAL PARAMETERS

METEOROLOGICAL INSTRUMENTS

NT ANEMOMETERS
BAROMETERS
CLOUD HEIGHT INDICATORS
HYGROMETERS
HYPSOMETERS
ICE-FORMATION INDICATORS
METEOROLOGICAL RADAR
VERTICAL-GUST RECORDERS
WIND-DIRECTION INDICATORS
RT METEOROLOGICAL BALLOONS
METEOROLOGICAL CHARTS
METEOROLOGICAL PARAMETERS
METEOROLOGICAL PHENOMENA
METEOROLOGY
RADIOSONDES
WEATHER COMMUNICATIONS
WEATHER STATIONS

METEOROLOGICAL PARAMETERS

(Meteorological elements normally measured in meteorological studies. For those elements not normally measured, see METEOROLOGICAL PHENOMENA.)

UF Meteorological data
NT ATMOSPHERIC PRECIPITATION
ATMOSPHERIC TEMPERATURE
BAROMETRIC PRESSURE
CEILING
CLOUD COVER
RAINFALL
WIND
RT HUMIDITY
METEOROLOGICAL CHARTS
METEOROLOGICAL INSTRUMENTS
VISIBILITY

METEOROLOGICAL PHENOMENA

NT ANTICYCLONES
ATMOSPHERIC CONDENSATION
ATMOSPHERIC ELECTRICITY
ATMOSPHERIC MOTION
ATMOSPHERIC REFRACTION
ATMOSPHERICS
CLOUDS
CONVECTION
CYCLONES
GUSTS
JET STREAMS (METEOROLOGY)
LIGHTNING
PRECIPITATION STATIC
RAINDROPS
SEA BREEZE
SNOW
STORMS
TEMPERATURE INVERSION
TORNADOES
TROPICAL CYCLONES
WHITEOUT
WIND
RT ATMOSPHERIC POLLUTION
METEOROLOGICAL INSTRUMENTS

METEOROLOGICAL RADAR

UF Weather avoidance radar

Weather radar

BT METEOROLOGICAL INSTRUMENTS
RADAR

RT AIRPORT RADAR SYSTEMS
CLOUD HEIGHT INDICATORS

Meteorological radio

USE WEATHER COMMUNICATIONS

METEOROLOGICAL SATELLITES

BT SATELLITES (ARTIFICIAL)

SPACECRAFT
RT WEATHER COMMUNICATIONS
WEATHER STATIONS

METEOROLOGY

NT AIR MASS ANALYSIS
ATMOSPHERIC SOUNDING
HURRICANE TRACKING
MARINE METEOROLOGY
MICROMETEOROLOGY
WEATHER FORECASTING
WEATHER STATIONS
RT CLIMATOLOGY
METEOROLOGICAL CHARTS
METEOROLOGICAL INSTRUMENTS
WEATHER COMMUNICATIONS

METEORS

(Solid bodies that enter the earth's atmosphere from outer space, but do not strike its surface.)

NT METEORITES

RT SPACE ENVIRONMENTAL CONDITIONS

METERS

(Meters measuring non-electrical variables, even though measurement may be accomplished by electrical means. For direct measurement of electrical variables, see MEASURING DEVICES (ELECTRICAL AND ELECTRONIC).)

UF Gages

NT ANEMOMETERS
BAROMETERS
DENSIMETERS
DOBIMETERS
EXTENSOMETERS
GONIMETERS
HYGROMETERS
MANOMETERS

PRESSURE GAGES
RESISTANCE THERMOMETERS
TACHOMETERS
THERMOMETERS
TORSION METERS
VORTEX THERMOMETERS

RT MEASUREMENT
Methamphetamine
USE AMPHETAMINES

MICE

BT ANIMALS
MAMMALS
RODENTS
RT RATS

Michell's integral

USE INTEGRALS
MICROANALYSIS
UF Microvolumetric analysis
BT CHEMICAL ANALYSIS
RT CHROMATOGRAPHIC ANALYSIS
QUANTITATIVE ANALYSIS

Microbalances

USE BALANCES

Microbial toxins

USE TOXINS & ANTITOXINS

Microbiology

USE MICROORGANISMS

MICROFILM

BT PHOTOGRAPHIC FILM

Microfilm readers

USE FILM READERS

Microfilm selectors

USE FILM READERS

Micromanometers

USE MANOMETERS

MICROMETEOROLOGY

BT METEOROLOGY

MICROMINIATURIZATION (ELECTRONICS)

RT ELECTRONIC EQUIPMENT
INTEGRATED CIRCUITS
MINIATURE ELECTRONIC EQUIPMENT
MOLECULAR ELECTRONICS
PRINTED CIRCUITS
SUBMINIATURE ELECTRONIC EQUIPMENT

MICROORGANISMS

UF Microbiology

NT BACTERIA

RT ANIMALS
FUNGI

MICROPHONES

BT ACOUSTIC EQUIPMENT
COMMUNICATION EQUIPMENT
ELECTROACOUSTIC TRANSDUCERS
RT ACOUSTIC DETECTORS
LOUDSPEAKERS
SOUND GENERATORS

MICROSCOPY

NT ELECTRON MICROSCOPY
RT OPTICAL ANALYSIS

MICROSTRUCTURE

(Structural characteristics revealed by magnifications of ten or more diameters.)

RT CRYSTAL STRUCTURE
METALLOGRAPHY

Microsyns

USE SYNCHROS

Microvolumetric analysis

USE MICROANALYSIS

MICROWAVE AMPLIFIERS

BT AMPLIFIERS

NT MASERS
PARAMETRIC AMPLIFIERS

MICROWAVE BRIDGES**MICROWAVE COMMUNICATION SYSTEMS**

BT COMMUNICATION SYSTEMS
RADIO COMMUNICATION SYSTEMS
NT MICROWAVE RELAY SYSTEMS
RT ANGLE OF ARRIVAL
PULSE COMMUNICATION SYSTEMS

MICROWAVE EQUIPMENT**MICROWAVE FREQUENCY**

(Devices operating in the frequency range (1000 to 300,000 mc.)

BT FREQUENCY

RADIOFREQUENCY

NT C BAND

EXTREMELY HIGH FREQUENCY

MICROWAVE FREQUENCY (Con.)
 K BAND
 S BAND
 SUPERHIGH FREQUENCY
 X BAND

MICROWAVE NETWORKS
 BT NETWORKS

MICROWAVE OSCILLATORS
 BT OSCILLATORS
 RADIOFREQUENCY OSCILLATORS

Microwave power
 USE RADIOFREQUENCY POWER

Microwave probes
 USE PROBES (ELECTROMAGNETIC)

MICROWAVE RELAY SYSTEMS
 UF Video relays
 BT COMMUNICATION SYSTEMS
 MICROWAVE COMMUNICATION SYSTEMS
 RADIO COMMUNICATION SYSTEMS
 RADIO RELAY SYSTEMS

Microwave selectors
 USE CHANNEL SELECTORS

MICROWAVE SPECTROSCOPY
 BT RADIOFREQUENCY SPECTROSCOPY
 SPECTROSCOPY
 RT FREQUENCY ANALYZERS

MICROWAVES
 (1,000 to 300,000 mc)
 UF Radar waves
 BT ELECTROMAGNETIC WAVES
 RADIO WAVES
 NT MILLIMETER WAVES
 RT INFRARED RADIATION

Mid-air collisions
 USE COLLISIONS

Mildew
 USE FUNGI

MILITARY AIRCRAFT
 BT AIRCRAFT

MILITARY AVIATION

Military bridges
 USE BRIDGES

Military budgets
 USE ARMED FORCES BUDGETS

MILITARY FACILITIES
 NT NAVAL AIR STATIONS
 RT MILITARY ORGANIZATIONS
 SITE SELECTION

MILITARY INTELLIGENCE
 (Evaluated information concerning an actual or possible enemy theatre of operations)
 UF Intelligence (Military)
 NT PHOTOGRAPHIC INTELLIGENCE
 RT PHOTO INTERPRETATION
 TECHNOLOGICAL INTELLIGENCE

Military operations
 USE ARMED FORCES OPERATIONS

MILITARY ORGANIZATIONS
 UF Organizations (Military)
 NT AIR DEFENSE COMMAND
 AIR FORCE
 AIR FORCE LOGISTICS COMMAND
 AIR FORCE SYSTEMS COMMAND
 ARMED FORCES (UNITED STATES)
 ARMY
 COAST GUARD
 FLEETS
 NAVY
 STRATEGIC AIR COMMAND
 TACTICAL AIR COMMAND
 RT MILITARY FACILITIES

MILITARY PERSONNEL
 UF Soldiers
 RT PERSONNEL
 NT FLIGHT SURGEONS
 GUIDED MISSILE PERSONNEL
 NAVAL PERSONNEL
 OFFICER PERSONNEL
 SUBMARINE PERSONNEL
 AVIATION PERSONNEL
 RT CASUALTIES
 ENGINEERING PERSONNEL
 FLIGHT CREWS
 MAINTENANCE PERSONNEL
 MEDICAL PERSONNEL
 NAVIGATORS
 OPERATORS (PERSONNEL)
 PILOTS
 PROFESSIONAL PERSONNEL
 RADAR OPERATORS
 RADIO OPERATORS

RECRUITING
 SCIENTIFIC PERSONNEL

MILITARY PSYCHOLOGY
 BT APPLIED PSYCHOLOGY
 PSYCHOLOGY
 RT LEADERSHIP
 PSYCHOMETRICS

MILITARY PUBLICATIONS
 UF Naval publications
 RT DIRECTORIES
 INSTRUCTION MANUALS
 PERIODICALS
 REPORTS

MILITARY REQUIREMENTS
 RT SPECIFICATIONS
 STANDARDS

MILITARY STRATEGY
Military supplies
 USE ARMED FORCES SUPPLIES

MILITARY TRAINING
 BT TRAINING
 RT TRAINING DEVICES

Military transportation
 USE ARMED FORCES TRANSPORTATION

MILLIMETER WAVES
 (Greater than 30,000 mc)
 BT ELECTROMAGNETIC WAVES
 MICROWAVES
 RT EXTREMELY HIGH FREQUENCY
 K BAND

Mine dan buoys
 USE BUOYS

MINERAL OILS
 BT OILS
 ORGANIC MATERIALS
 RT HYDRAULIC FLUIDS
 LUBRICANTS

MINERAL PRODUCTS
 NT ASBESTOS
 DIAMONDS
 GRAPHITE
 QUARTZ
 RUBY
 SYNTHETIC STONES
 RT MINERALS
 ROCK (GEOLOGY)

MINERALS
 RT MINERAL PRODUCTS

MINIATURE ELECTRICAL EQUIPMENT
 BT ELECTRICAL EQUIPMENT

MINIATURE ELECTRONIC EQUIPMENT
 BT ELECTRONIC EQUIPMENT
 RT MICROMINUTIZATION (ELECTRONICS)
 SUBMINIATURE ELECTRONIC EQUIPMENT

Minimax
 USE GAME THEORY

Minimum distance method
 USE DIFFERENCE EQUATIONS

MINING ENGINEERING
 BT ENGINEERING
 GEOLOGY
 RT CIVIL ENGINEERING
 ENGINEERING GEOLOGY
 GEOLOGICAL SURVEY

Mini
 USE MAMMALS

Minnowski-Leontel matrices
 USE MATRIX ALGEBRA

Minuzinski's theory
 USE DISTRIBUTION THEORY

MIRRORS
 UF Signaling mirrors
 BT OPTICAL EQUIPMENT
 REFLECTORS

MISSILE APPROACH
 UF Oversight
 RT APPROACH
 ATC TERMINAL AREA
 INSTRUMENT LANDING
 LANDING

Missiles
 USE GUIDED MISSILES

MITOSIS
 UF Cell Division (Biology)
 RT CELLS (BIOLOGY)

Mittens
 USE GLOVES

MIXERS (ELECTRONIC)
 NT CRYSTAL MIXERS
 RT CRYSTAL DETECTORS

INTERMEDIATE FREQUENCY

MIXTURES
 NT EUTECTICS

MOBILE

MOBILIZATION
 RT LOGISTICS

Mobs (Mathematics)
 USE TOPOLOGY

MODEL TESTS
 RT SIMULATION
 WIND TUNNEL MODELS

MODELS (SIMULATIONS)
 NT AIRPLANE MODELS
 ATMOSPHERE MODELS
 FLAT PLATE MODELS
 HYDRAULIC MODELS
 ROCKET MODELS
 WIND TUNNEL MODELS
 RT SIMULATION
 TRAINING DEVICES

MODIFICATION KITS
 (Items required for major or minor changes in the design of an adopted item)

MODULATION
 UF Demodulation
 Time modulation
 NT AMPLITUDE MODULATION
 FREQUENCY MODULATION
 PHASE MODULATION
 PULSE MODULATION
 RT MODULATORS

Modulator tubes
 USE MODULATORS

MODULATORS
 UF Modulator tubes
 RT ELECTRON TUBES
 MODULATION
 OSCILLATORS

MODULES (ELECTRONIC)
 (Packaged assemblies of wired components built to standardized sizes and having standardized plug-in or solderable terminations)
 RT ELECTRONIC EQUIPMENT
 PACKAGED CIRCUITS

Modules (Mathematics)
 USE ALGEBRA

MOISTURE
 UF Moisture content
 Moisture factors
 RT HUMIDITY

Moisture content
 USE MOISTURE

Moisture factors
 USE MOISTURE

Moisture meters
 USE HYGROMETERS

Moisture resistance
 USE MOISTUREPROOFING

MOISTUREPROOFING
 UF Moisture resistance
 Waterproof coatings
 Waterproofing
 BT FINISHES & FINISHING
 PROTECTIVE TREATMENTS
 RT WEATHERPROOFING

MOLDING
 UF Molds (Casting)
 BT MATERIAL FORMING

Molds (Casting)
 USE MOLDING

Moletronics
 USE MOLECULAR ELECTRONICS

Molecular configuration
 USE MOLECULAR STRUCTURE

MOLECULAR ELECTRONICS
 (Control of the electronic functioning of materials by alteration of their structural or chemical characteristics)
 UF Moletronics
 RT ELECTRONIC EQUIPMENT
 INTEGRATED CIRCUITS
 MICROMINUTIZATION (ELECTRONICS)
 PACKAGED CIRCUITS
 PRINTED CIRCUITS
 SUBMINIATURE ELECTRONIC EQUIPMENT

MOLECULAR PROPERTIES
 NT MOLECULAR STRUCTURE
 MOLECULAR WEIGHT

MOLECULAR STRUCTURE
 (Bond lengths and angles, the juxtaposition of the atoms, and the general shape of molecules)
 UF Molecular configuration
 BT MOLECULAR PROPERTIES

MOLECULAR WEIGHT
 BT MOLECULAR PROPERTIES
 RT DENSITY

MOLYBDENUM
 BT GROUP VI ELEMENTS
 METALS
 TRANSITION ELEMENTS

MOLYBDENUM ALLOYS
 BT ALLOYS

MOLYBDENUM COMPOUNDS

MOMENTS
 RT ELECTRIC MOMENTS
 MAGNETIC MOMENTS
 MOMENTUM

MOMENTUM
 (Quantity of motion measured by the product of mass and velocity)
 UF Angular momentum
 Linear momentum
 RT MOMENTS

MONEY
 UF Capital
 Coins
 Currency
 Finance
 Finances

MONITORS

MONOCHROMATIC LIGHT
 BT ELECTROMAGNETIC WAVES
 LIGHT
 OPTICAL PHENOMENA
 RT LIGHT PULSES
 OPTICAL IMAGES

MONOCOQUES
 (A type of construction, used primarily in aircraft, in which a thin shell bears stresses with little or no inner support)
 RT AIRFRAMES
 CURVED PROFILES
 ELLIPSOIDS
 FUSELAGES
 PARABOLIC BODIES

Monopole
 USE GAME THEORY

MONOPULSE RADAR
 BT RADAR

MONOSACCHARIDES
 BT CARBOHYDRATES
 NT GLUCOSE
 RT NUCLEOSIDES
 NUCLEOTIDES

Monotone functions
 USE FUNCTIONS

MONOXIDES
 BT OXIDES
 RT DIOXIDES
 OXYGEN

MONTE CARLO METHOD
 UF Stochastic sampling
 BT NUMERICAL METHODS AND PROCEDURES
 RT OPERATIONS RESEARCH

MOTION
 UF Autokinesis
 NT ACCELERATION
 DECELERATION
 OSCILLATION
 PITCH (MOTION)
 RESONANCE
 ROLL
 ROTATION
 SPIN
 VIBRATION
 YAW
 RT DAMPING
 SHOCK (MECHANICS)
 VELOCITY

MOTION PICTURES
 BT PHOTOGRAPHS
 RT AERIAL PHOTOGRAPHS

MOTION SICKNESS
 UF Air sickness
 Nystagmus
 Sea sickness
 RT ANTHEMICS
 VESTIBULAR APPARATUS

MOTION-PICTURE CAMERAS
 UF Slow motion cameras

MOTION-PICTURE

CAMERAS (Con.)
 BT CAMERAS
 RT HIGH-SPEED CAMERAS
MOTION-PICTURE PHOTOGRAPHY
 BT PHOTOGRAPHY
MOTIVATION
 UF Drives (Psychology)
 Needs (Psychology)
 RT BEHAVIOR
 PSYCHOLOGY
 REACTION (PSYCHOLOGY)
 REASONING
MOTOR GENERATORS
 BT GENERATORS
 RT ELECTRIC POWER PRODUCTION
 POWER EQUIPMENT
 POWER EQUIPMENT PARTS
MOTOR REACTIONS
 RT CONDITIONED REFLEX
 PSYCHOMOTOR TESTS
 REACTION (PSYCHOLOGY)
MOTOR VEHICLE ACCIDENTS
 BT ACCIDENTS
 RT COLLISIONS
 SAFETY
MOTOR VEHICLE OPERATORS
 BT OPERATORS (PERSONNEL)
Motor vehicle passengers
 USE PASSENGERS
MOUNTAINS
 BT TERRAIN
MOUNTING BRACKETS
 BT STRUCTURAL PARTS
 RT ANCHORS (STRUCTURAL)
 SUPPORTS
MOUTH
 UF Mouth hygiene
 RT MASTICATION
 TEETH
Mouth hygiene
 USE MOUTH
MOVING-TARGET INDICATORS
(Radar scopes that distinguish between moving and fixed objects.)
 BT TRACKING
 RT DETECTION
 RADAR TRACKING
 RANGES (DISTANCE)
MULTICHANNEL TELEPHONE SYSTEMS
 BT COMMUNICATION SYSTEMS
 TELEPHONE COMMUNICATION SYSTEMS
MULTIMETERS
MULTIPATH TRANSMISSION
 BT RADIO TRANSMISSION
 WAVE TRANSMISSION
 RT IONOSPHERIC PROPAGATION
Multiple correlation
 USE STATISTICAL ANALYSIS
Multiple decision rules
 USE STATISTICAL ANALYSIS
MULTIPLE OPERATION
MULTIPLES
MULTIPLEX
(Simultaneous transmission of two or more programs or signals over a single radiofrequency channel.)
 UF Multiple transmission
 RT RADIO TRANSMISSION
Multiplex (transmission)
 USE MULTIPLEX
Multiplexers (Converters)
 USE FREQUENCY MULTIPLIERS
Multiplexing analysis
 USE STATISTICAL ANALYSIS
Multiplexing interpolation
 USE STATISTICAL ANALYSIS
Multiplexing
 USE URBAN AREAS
MUSCLES
 UF Muscular atrophy
 Muscular trauma
 Myopathy
 BT MUSCULOSKELETAL SYSTEM
 RT ADENOSINE PHOSPHATES
 CONTRACTION
 TISSUES (BIOLOGY)
Muscular atrophy
 USE DISEASES
 and MUSCLES
Muscular trauma
 USE MUSCLES

MUSCULOSKELETAL SYSTEM

and WOUNDS & INJURIES
 UF Orthopedics
 RT BONE
 JOINTS (PHYSIOLOGY)
 MUSCLES
 SKELETON
 SPINAL COLUMN
 RT BODY
 INTEGUMENTARY SYSTEM
 TISSUES (BIOLOGY)

Muskrats
 USE RODENTS
MUTATIONS
 RT GENETICS
Myocardium
 USE HEART
Myoclonus
 USE CONVULSIVE DISORDERS
Myoglobin
 USE HEMOGLOBIN
Myopathy
 USE MUSCLES
 and PATHOLOGY
Myopia
 USE VISION

N

N-plane bundles
 USE ALGEBRAIC TOPOLOGY
NACELLES
 NT ENGINE NACELLES
 JET ENGINE NACELLES
 RT AIRCRAFT EQUIPMENT
 AIRCRAFT PROTUBERANCES
 AIRFRAMES
 JET ENGINE FAIRINGS
 JETTISONABLE EQUIPMENT

Narcosis
 USE ANESTHESIA
NARROWBAND
 BT FREQUENCY
 RT BANDWIDTH
 BROADBAND
Nasopharynx
 USE THROAT
NATIONAL DEFENSE
(General concepts including foreign relations, industrial planning, stockpiling of strategic materials, etc. associated with a nation, defense strategy. For specific defense weapons, communication systems, etc. see defense systems.)
 RT CIVIL DEFENSE SYSTEMS
 DEFENSE EYE WS
Natural rubber
 USE RUBBER

NAVAL AIR STATIONS
 BT MILITARY FACILITIES
 RT NAVAL AVIATION
NAVAL AIRCRAFT
 BT AIRCRAFT
 RT AIRPLANES
NAVAL AVIATION
 RT ALL-WEATHER AVIATION
 CIVIL AVIATION
 NAVAL AIR STATIONS

Naval budgets
 USE ARMED FORCES BUDGETS
NAVAL EQUIPMENT
 BT LOGISTICS
 RT ARMED FORCES SUPPLIES
 SUPPLY DEPOTS
Naval logistics
 USE LOGISTICS
NAVAL OPERATIONS
 BT ARMED FORCES OPERATIONS
 RT ARMED FORCES
 TRANSPORTATION
 LOGISTICS
NAVAL PERSONNEL
 UF Sailors
 BT MILITARY PERSONNEL
 NT SUBMARINE PERSONNEL
 RT AVIATION PERSONNEL
 GUIDED MISSILE PERSONNEL
 MAINTENANCE PERSONNEL

MEDICAL PERSONNEL
NAVAL PROCUREMENT
 BT ARMED FORCES PROCUREMENT
 GOVERNMENT PROCUREMENT
 LOGISTICS
 PROCUREMENT
 RT ARMED FORCES BUDGETS
 ARMED FORCES SUPPLIES
 SUPPLY DEPOTS

Naval publications
 USE MILITARY PUBLICATIONS

NAVAL RESEARCH LABORATORIES
 BT LABORATORIES

Naval supplies
 USE ARMED FORCES SUPPLIES

Naval transportation
 USE ARMED FORCES
 TRANSPORTATION

NAVAL VESSELS (COMBATANT)
 RT WEAPONS

Navar
 USE AIRPORT RADAR SYSTEMS

Navascopes
 USE AIRPORT RADAR SYSTEMS

Navier-Stokes equations
 USE PARTIAL DIFFERENTIAL
 EQUATIONS

NAVIGATION

UF Bird navigation
 Course mapping
 NT CELESTIAL NAVIGATION
 DEAD RECKONING
 DOPPLER NAVIGATION
 HYPERBOLIC NAVIGATION
 INERTIAL NAVIGATION
 LORAN
 LORAN EQUIPMENT
 MAGNETIC NAVIGATION
 RADAR NAVIGATION
 RADIO NAVIGATION
 SHORAN
 SPACE NAVIGATION
 RT AUTOMATIC NAVIGATORS
 GUIDANCE
 HOMING DEVICES
 MAGNETIC GUIDANCE
 NAVIGATION COMPUTERS
 PLOTTERS

NAVIGATION CHARTS

UF Ice charts
 BT MAPS
 RT METEOROLOGICAL CHARTS

NAVIGATION COMPUTERS

BT COMPUTERS
 GUIDANCE
 SPECIAL PURPOSE COMPUTERS
 RT AUTOMATIC NAVIGATORS
 BOMBING COMPUTERS
 NAVIGATION
 TERMINAL GUIDANCE SYSTEMS

NAVIGATION SATELLITES

BT NAVIGATIONAL AIDS
 SATELLITES (ARTIFICIAL)
 SPACECRAFT

NAVIGATIONAL AIDS

NT NAVIGATIONAL SATELLITES
 NAVIGATIONAL LIGHTS

NAVIGATIONAL LIGHTS

UF Farnham lights
 Position lights

BT HARRIER LIGHTS

NAVIGATIONAL AIDS

NT STROBE LIGHTS

RT APPROACH LIGHTS

BEACON LIGHTS

SIGNAL LIGHTS

NAVIGATORS

BT AVIATION PERSONNEL
 OPERATORS (PERSONNEL)
 RT MILITARY PERSONNEL
 PILOTS

NAVY

BT ARMED FORCES (UNITED STATES)
 MILITARY ORGANIZATIONS

NEAR FIELD

UF Close field

Neutronization

USE ATOMIZATION

Neur

USE HEAD

Needle bearings

USE ROLLER BEARINGS

Needs (Psychology)

USE MOTIVATION
NEGATIVE RESISTANCE CIRCUITS

BT CIRCUITS

Negative thrust

USE THRUST REVERSE

Neighborhood retract

USE ALGEBRAIC TOPOLOGY

Neodymium

USE RARE EARTH COMPOUNDS

Neodymium compounds

USE RARE EARTH COMPOUNDS

NEON

BT HELIUM GROUP GASES

NON-METALS

NEOPLASMS

(Abnormal new growths of cells or tissues benign or malignant that persist and grow independently of their surrounding structures and have no physiological use. For all studies limited to malignant neoplasms, see CANCER.)

UF Tumors

NT CANCER

LEUKEMIA

Neoprene

USE SYNTHETIC RUBBER

NERVE CELLS

UF Astrocytes

Axons

Neuroglia

Neurons

Synapse

BT CELLS (BIOLOGY)

NERVES

NERVOUS SYSTEM

NT GANGLIA

RT AUTONOMIC NERVOUS SYSTEM

BRAIN

SENSE ORGANS

SPINAL CORD

NERVES

UF Neuralgia

Trigeminal nerve

Vagus nerve

Vestibular nerve

BT NERVOUS SYSTEM

NT AUDITORY NERVE

AUTONOMIC NERVOUS SYSTEM

GANGLIA

NERVE CELLS

SPINAL CORD

RT BRAIN

PHOTORECEPTORS

SENSE ORGANS

NERVOUS SYSTEM

UF Neurophysiology

NT AUDITORY NERVE

AUTONOMIC NERVOUS SYSTEM

BRAIN

CENTRAL NERVOUS SYSTEM

CEREBRAL CORTEX

GANGLIA

NERVE CELLS

NERVES

SPINAL CORD

RT ANATOMY

BODY

CELLS (BIOLOGY)

GALVANIC SKIN RESPONSE

REFLEXES

NETS

RT SHIP AUXILIARY EQUIPMENT

NETWORKS

NT CIRCUITS

ELECTRICAL NETWORKS

MICROWAVE NETWORKS

VIDEO NETWORKS

Neuralgia

USE NERVES

and PAIN

Neuroglia

USE NERVE CELLS

NEUROLOGY

RT MEDICINE

PHYSIOLOGY

Neurons

USE NERVE CELLS

Neurophysiology

USE NERVOUS SYSTEM

and PHYSIOLOGY

Neurotransmission

USE END ORGANS

NEUTRON COUNTERS
 BT RADIATION MEASUREMENT SYSTEMS
 RT COUNTING METHODS
 GEIGER COUNTERS

NEUTRONS
 BT ELEMENTARY PARTICLES
 NUCLEONS
 NT FAST NEUTRONS
 RT COSMIC RAYS

Newborn
 USE INFANTS
Newman's function
 USE SPECIAL FUNCTIONS (MATHEMATICAL)

NEWSPAPERS
 RT PERIODICALS
Newton-Raphson method
 USE NUMERICAL METHODS AND PROCEDURES

Niacin
 USE VITAMIN B COMPLEX

NICKEL
 BT METALS
 TRANSITION ELEMENTS

NICKEL ALLOYS
 BT ALLOYS

Nicotinic acid
 USE VITAMIN B COMPLEX

NIGHT FLIGHT
 BT FLIGHT
 RT INSTRUMENT FLIGHT

NIGHT LANDINGS
 BT LANDING
 RT CARRIER LANDINGS
 INSTRUMENT LANDINGS
 RADAR LANDING CONTROL

Night vision
 USE ADAPTATION (PHYSIOLOGY) and VISION

Nim
 USE GAME THEORY

NIOBIUM
 UF Columbium
 BT GROUP V ELEMENTS
 METALS
 TRANSITION ELEMENTS

NIOBIUM ALLOYS
 BT ALLOYS

NIOBIUM COMPOUNDS
 BT ALLOYS

NITRIDES
 RT NITROGEN COMPOUNDS

NITROGEN
 BT GROUP V ELEMENTS
 NON-METALS

NITROGEN COMPOUNDS
 RT NITRIDES

NOCTILUCENT CLOUDS
 BT CLOUDS

NOISE
 NT AIRPLANE ENGINE NOISE
 AIRPLANE NOISE
 COMPRESSOR NOISE
 ENGINE NOISE
 HELICOPTER ENGINE NOISE
 HELICOPTER NOISE
 JET ENGINE NOISE
 JET PLANE NOISE
 PROPELLER NOISE
 ROCKET MOTOR NOISE
 RT ACOUSTIC EQUIPMENT
 ACOUSTIC PROPERTIES
 NOISE ABATEMENT
 SOUND

NOISE (RADAR)
 (Undesired electrical or electronic disturbances originating within radar equipment or from faulty components. For disturbances originating from external sources see RADAR INTERFERENCE.)
 UF Radar noise
 RT RADAR CLUTTER
 RADAR INTERFERENCE
 SUPPRESSORS

NOISE (RADIO)
 (Undesired electrical or electronic disturbances originating within radio equipment or from faulty components originating from external sources see RADIO INTERFERENCE.)
 UF Radio noise
 RT RADIO INTERFERENCE

SUPPRESSORS
NOISE ABATEMENT
 (Engine and aircraft design and flight operating procedures and techniques.)
 UF Noise reduction
 RT NOISE
 SUPPRESSOR (ACOUSTIC)

NOISE ANALYZE
 (Devices that detect and locate internally produced noise in electronic equipment.)
 BT TEST EQUIPMENT (ELECTRONICS)
 RT FREQUENCY ANALYZERS
 INTERFERENCE ANALYZERS
 OSCILLOSCOPES

NOISE GENERATORS
 BT ACOUSTIC EQUIPMENT
 Sound generators

NOISE REDUCTION
 USE NOISE ABATEMENT

Noise suppressors
 USE SUPPRESSORS (ACOUSTIC)

NOMOGRAPHS
Non-abelian cohomology
 USE ALGEBRAIC TOPOLOGY

NON-DESTRUCTIVE TESTING
 BT QUALITY CONTROL
 TESTS

NON-METALS
 NT ARGON
 BORON
 BROMINE
 CARBON
 CHLORINE
 FLUORINE
 HALOGENS
 HELIUM
 HELIUM GROUP GASES
 HYDROGEN
 IODINE
 NEON
 NITROGEN
 OXYGEN
 PHOSPHORUS
 SILICON
 SULFUR
 RT GROUP I ELEMENTS
 GROUP II ELEMENTS
 GROUP V ELEMENTS
 GROUP VI ELEMENTS
 GROUP VII ELEMENTS
 METALS

NONLINEAR DIFFERENTIAL EQUATIONS
 UF Growth equation
 Leonard equation
 Painleve equation
 Painleve transcendents

Nonlinear functions
 USE FUNCTIONS

NONLINEAR SYSTEMS
 (Theoretical systems having outputs that do not vary linearly with inputs.)
 UF Nonlinear theory
 RT LINEAR SYSTEMS

Nonlinear theory
 USE NONLINEAR SYSTEMS and THEORY

Nonparametric statistics
 USE STATISTICAL ANALYSIS

Nordfrosolin
 USE LEVARTERENOL

Norphospholine
 USE LEVARTERENOL

Normal means
 USE SERIES

Normal methods
 USE SERIES

Normal formulae
 USE MATHEMATICAL LOGIC

NOSE
 RT END ORGANS
 SMELL

NOSE CONES
 BT GUIDED MISSILE COMPONENTS

Nose flaps
 USE FLAPS

NOSE WHEELS
 BT AIRCRAFT EQUIPMENT
 LANDING GEAR
 RT AIRCRAFT TIRES
 AIRFRAMES
 LANDING GEAR DOORS

NOZZLE CLUSTERS
 BT NOZZLES

NOZZLE INSERTS
 BT NOZZLES

NOZZLES
 NT ANNULAR NOZZLES
 CONICAL NOZZLES
 EXHAUST NOZZLES
 GAS TURBINE NOZZLES
 NOZZLE CLUSTERS
 NOZZLE INSERTS
 RAMJET ENGINE NOZZLES
 ROCKET MOTOR NOZZLES
 SPRAY NOZZLES
 SUBSONIC NOZZLES
 SUPERSONIC NOZZLES
 THRUST AUGMENTOR NOZZLES
 TURBOJET EXHAUST NOZZLES
 WIND TUNNEL NOZZLES
 RT DIFFUSERS
 FLUID FLOW

NUCLEAR BOMBS
 RT NUCLEAR EXPLOSIONS

NUCLEAR ENERGY
 UF Atomic energy
 RT NUCLEAR POWER PLANTS
 NUCLEAR REACTORS

NUCLEAR EXPLOSION DAMAGE
 UF Atomic bomb damage
 DAMAGE
 EXPLOSION EFFECTS
 RT RADIOACTIVE FALLOUT

NUCLEAR EXPLOSIONS
 UF Atomic bomb tests
 Hydrogen bomb tests
 BT EXPLOSIONS
 RT AIR BURST
 ATOMIC CLOUDS
 NUCLEAR BOMBS
 NUCLEAR WARHEADS
 SURFACE BURST
 UNDERGROUND EXPLOSIONS

NUCLEAR PARTICLES
 RT CHARGED PARTICLES
 COSMIC RAYS
 MECHANICAL WAVES

NUCLEAR PHYSICS
 RT PHYSICS
 PLASMA PHYSICS
 SOLID STATE PHYSICS
 THERMODYNAMICS

NUCLEAR POWER PLANTS
 (Includes mobile as well as stationary installations in which nuclear reactors or radioactive sources are used as primary power sources.)
 UF Atomic energy plants
 Atomic power plants
 BT INDUSTRIAL PLANTS
 RT AIRCRAFT NUCLEAR PROPULSION
 ELECTRIC POWER PRODUCTION
 NUCLEAR ENERGY
 NUCLEAR REACTORS

NUCLEAR PROPULSION
 RT ROCKET PROPULSION

NUCLEAR REACTIONS
 UF Atomic transmutation

NUCLEAR REACTORS
 UF Atomic piles
 Atomic reactors
 Fusion reactors
 Reactors (Atomic)
 Reactors (Nuclear)
 RT HEAT EXCHANGERS
 NUCLEAR ENERGY
 NUCLEAR POWER PLANTS
 REACTOR LATTICE PARAMETERS
 REACTOR SYSTEM COMPONENTS

NUCLEAR SPINS
NUCLEAR WARFARE
 UF Atomic warfare
 BT WARFARE
 RT RADIOLOGICAL WARFARE

NUCLEAR WARHEADS
 RT NUCLEAR EXPLOSIONS

NUCLEATION
 RT CONDENSATION

NUCLEIC ACIDS
 NT RIBONUCLEIC ACIDS
 RT NUCLEOSIDES
 NUCLEOTIDES

NUCLEONS
 (Particles constituting the nucleus.)
 BT ELEMENTARY PARTICLES
 NT ELECTRONS

NEUTRONS
 PROTONS
 RT CHARGED PARTICLES
 COSMIC RAYS

NUCLEOSIDES
 UF Synthetic nucleosides
 RT ADENOSINE PHOSPHATES
 CARBOHYDRATES
 MONOSACCHARIDES
 NUCLEIC ACIDS
 RIBONUCLEIC ACIDS

NUCLEOTIDES
 UF Phosphonucleosides
 Ribonucleosides
 RT ADENOSINE PHOSPHATES
 CARBOHYDRATES
 MONOSACCHARIDES
 NUCLEIC ACIDS
 RIBONUCLEIC ACIDS

Null hypothesis test
 USE STATISTICAL TESTS

NUMBERS
NUMERICAL ANALYSIS
 UF Approximate computation
 Divided differences
 Heur's theorem
 Hi-conditioned matrices
 Lagrange interpolation formula
 Lagrange multipliers
 Polynomial arc smoothing
 Random walk theory
 Smoothing data

NUMERICAL METHODS AND PROCEDURES
 UF Bisection method
 Crank-Nicolson procedure
 Gauss-Seidel method
 Lanczo's matrix iteration method
 Meissner's method
 Newton-Raphson method
 Random walk
 Richardson's method
 Runge-Kutta method
 Square root method
 NT MONTE CARLO METHOD

Nurses
 USE MEDICAL PERSONNEL

NUTRITION
 (The sum of the processes by which organisms take in and utilize food substances. For habitual or prescribed course of feeding see DIET.)
 RT DIET
 FOOD

Nuts (Mechanics)
 USE LOCKING FASTENER DEVICES

NYLON
 BT PLASTICS
 RT FIBERS (SYNTHETIC)
 ORLON
 PARACHUTE FABRICS
 TEXTILES

Nystagmus
 USE EYE
 and MOTION SICKNESS

OBESITY
 RT BODY WEIGHT
 METABOLISM DISORDERS

OBSERVATION PLANES
 BT AIRCRAFT
 AIRPLANES

OBSTRUCTION (PHYSIOLOGY)
 UF Obstruction (Physiology)
 Occlusion (Physiology)
 NT GASTROENTEROLOGY
 Obstruction (Physiology)
 USE OBSTRUCTION (PHYSIOLOGY)
 OC (Operating characteristic)
 USE STATISTICAL ANALYSIS
 Occlusion (Physiology)
 USE OBSTRUCTION (PHYSIOLOGY)
 Occlusion theory
 USE SCHEDULING

Oceanography
 USE OCEANOLOGY
OCEANOLOGY
 UF Oceanography
 NT MARINE METEOROLOGY
OCEANS
 RT SEA WATER
OFFICE EQUIPMENT AND SUPPLIES
OFFICER PERSONNEL
 BT MILITARY PERSONNEL PERSONNEL
 RT FLIGHT CREWS
OGIVES
 BT BOOKS OF REVOLUTION GEOMETRIC FORMS
 RT CONICAL BODIES CURVED PROFILES ELLIPSOIDS HEMISPHERICAL SHEETS PARABOLIC BODIES PROJECTILES SPHERES
OHMMETERS
Oil burning furnaces
 USE FURNACES
Oil smokes
 USE SMOOKES
OIL TANKS
 BT CONTAINERS TANKS (CONTAINERS)
 RT FUEL TANKS STORAGE TANKS TANK VENTS
OILS
 NT AIRPLANE ENGINE OILS FUEL OIL MINERAL OILS VEGETABLE OILS
 RT FUELS HYDRAULIC FLUIDS LUBRICANTS PETROLEUM
Oilseeds oil
 USE VEGETABLE OILS
Olfactory thresholds
 USE SMELL and THRESHOLDS (PHYSIOLOGY)
Oliguria
 USE EXCRETION and URINE
OMNIDIRECTIONAL ANTENNAS
 BT ANTENNA CONFIGURATIONS ANTENNAS
OMNIDIRECTIONAL RADIO RANGE
OMNIRANGE
Operating tables
 USE MEDICAL EQUIPMENT
OPERATION
OPERATIONAL CALCULUS
 UF Z-term
OPERATIONS RESEARCH
 NT LINEAR PROGRAMMING QUEUING THEORY
 RT ARMED FORCES RESEARCH (ENGINEERING) INDUSTRIAL RESEARCH MEDICAL RESEARCH MONTE CARLO METHOD RESEARCH PROGRAM ADMINISTRATION SCIENTIFIC RESEARCH SEARCH THEORY STOCHASTIC PROCESSES SYSTEMS (ENGINEERING)
OPERATOR (MATHEMATICS)
 UF Scattering operator
Operator table
 USE OPERATORS (MATHEMATICS)
OPERATORS (MATHEMATICS)
 UF Group operators Echo-fallopp convolution principle Operator table Scattering operator
OPERATORS (PERSONNEL)
 UF Business machine operators
 BT PERSONNEL
 NT AIR TRAFFIC CONTROLLERS MOTOR VEHICLE OPERATORS NAVIGATORS PILOTS RADAR OPERATORS RADIO OPERATORS

RT AVIATION PERSONNEL GOVERNMENT EMPLOYEES INSTRUCTORS MAINTENANCE PERSONNEL MILITARY PERSONNEL
OPHTHALMOLOGY
 UF Diopometers Helioscopes Optometry
 BT MEDICINE
OPHTHALMOLOGY
 BT MEDICINE
OPTICAL ANALYSIS
 RT COLORIMETRY MICROSCOPY SPECTROSCOPY X-RAY DIFFRACTION ANALYSIS
Optical bundles
 USE FIBER OPTICS
OPTICAL EQUIPMENT
 UF Light ranging systems
 NT BINOCULARS INFRARED EQUIPMENT MIRRORS PERISCOPES PHOTOHODOLITES TELESCOPES THEODOLITES
 RT INFRARED OPTICAL SYSTEMS LIGHT COMMUNICATION SYSTEMS LIGHTING EQUIPMENT OPTICAL EQUIPMENT COMPONENTS OPTICAL INSTRUMENTS OPTICAL MATERIALS SPECTROSCOPY
OPTICAL EQUIPMENT COMPONENTS
 NT DIFFRACTION GRATINGS INFRARED FILTERS LASERS OPTICAL FILTERS OPTICAL TARGET DESIGNATORS PHOTOELECTRIC CELLS (SEMICONDUCTOR) PHOTOGRAPHIC FILTERS ULTRAVIOLET FILTERS
 RT FILTERS (ELECTROMAGNETIC WAVE) IMAGE INTENSIFIERS (ELECTRONICS) LENSES OPTICAL EQUIPMENT OPTICAL INSTRUMENTS POLARIZING FILTERS
Optical fibers
 USE FIBER OPTICS
OPTICAL FILTERS
 BT FILTERS (ELECTROMAGNETIC WAVE)
 OPTICAL EQUIPMENT COMPONENTS
 NT INFRARED FILTERS PHOTOGRAPHIC FILTERS ULTRAVIOLET FILTERS
 RT ELECTROMAGNETIC LENSES POLARIZING FILTERS
OPTICAL GLASS
 BT GLASS OPTICAL MATERIALS
 RT INFRARED OPTICAL MATERIALS PHOSPHORUS
Optical illusions
 USE ILLUSIONS and VISION
OPTICAL IMAGES
 BT IMAGES LIGHT OPTICAL PHENOMENA LIGHT PULSES MONOCHROMATIC LIGHT
 RT
OPTICAL INSTRUMENTS
 NT INFRARED SPECTROPHOTOMETERS INTERFEROMETERS PHOTOMETERS POLARISCOPES RADONETERS REFRACTOMETERS SPECTROPHOTOMETERS SPECTRUM ANALYZERS
 RT COLLIMATORS INFRARED EQUIPMENT OPTICAL EQUIPMENT

OPTICAL EQUIPMENT COMPONENTS OPTICAL MATERIALS SPECTROSCOPY
OPTICAL MATERIALS
 (Materials that are specially prepared to allow the passage of light with minimum aberration)
 UF Optical plastics
 NT OPTICAL GLASS
 RT OPTICAL EQUIPMENT OPTICAL INSTRUMENTS OPTICAL PHENOMENA OPTICAL PROPERTIES OPTICS
OPTICAL PHENOMENA
 NT FLUORESCENCE INFRARED RADIATION LIGHT LIGHT PULSES LUMINESCENCE MONOCHROMATIC LIGHT OPTICAL IMAGES PHOSPHORESCENCE PHOSPHORESCENCE PHOTOCONDUCTIVITY ULTRAVIOLET RADIATION
 RT OPTICAL MATERIALS OPTICS
Optical plastics
 USE OPTICAL MATERIALS
OPTICAL PROPERTIES
 UF Physical properties (Optics)
 NT ATMOSPHERIC REFRACTION BRIGHTNESS COLORS DIFFRACTION DISTORTION FOCUSING ILLUMINATION LIGHT TRANSMISSION MAGNETO-OPTIC EFFECT REFRACTION REFRACTIVE INDEX RESOLUTION SNEEL LAW VISIBILITY
 RT OPTICAL MATERIALS OPTICS REFLECTION
OPTICAL SCANNING
 RT ELECTRONIC SCANNERS
OPTICAL SIGHTS
 (Sights with lenses prisms or mirrors used for laying out lines or for aerial bombing)
 UF Stationers
 BT SIGHTS
OPTICAL TARGET DESIGNATORS
 BT OPTICAL EQUIPMENT COMPONENTS TARGET DESIGNATORS TRACKING
 RT DETECTION OPTICAL TRACKING
OPTICAL TRACKING
 BT TRACKING
 RT LIGHT HOANGING OPTICAL TARGET DESIGNATORS PHOTOHODOLITES TARGET DESIGNATORS THEODOLITES
OPTICS
 NT ELECTRON OPTICS FIBER OPTICS
 RT ELECTROMAGNETIC WAVE REFLECTIONS OPTICAL MATERIALS OPTICAL PHENOMENA OPTICAL PROPERTIES PHYSICS
OPTIMIZATION
Opacity
 USE OPHTHALMOLOGY
ORBITAL TRAJECTORIES
 BT TRAJECTORIES
 NT EQUATORIAL ORBIT TRAJECTORIES
Ordered division rings
 USE ALGEBRA
ORES (NON-METALLIC)
 RT SOILS
ORGANIC COATINGS
 BT COATINGS FINISHES & FINISHING

NT BITUMINOUS COATINGS PLASTIC COATINGS RUBBER COATINGS
 RT ORGANIC MATERIALS
ORGANIC COMPOUNDS
 BT CHEMICAL COMPOUNDS
 NT ALCOHOL HYDROCARBONS
 RT ORGANIC MATERIALS
ORGANIC MATERIALS
 (Naturally occurring substances Excludes classes of organic compounds and specific compounds)
 BT MATERIALS
 NT ASPHALT CARBON BLACK MINERAL OILS PETROLEUM VEGETABLE OILS
 RT ORGANIC COATINGS ORGANIC COMPOUNDS
Organizations (Military)
 USE MILITARY ORGANIZATIONS
Organizations (Scientific)
 USE SCIENTIFIC ORGANIZATIONS
ORIENTATION
 (Determination of sense of position in relation to the environment)
ORIFICES
 RT AERODYNAMIC SLOTS DUCT INLETS DUCTED BODIES DUCTS INLET GUIDE VANES
ORLON
 BT FIBERS FIBERS (SYNTHETIC) TEXTILES
 RT NYLON
Ornstein-Uhlenbeck process
 USE STATISTICAL PROCESSES
Orthoses
 USE ICONOSCOPES
Orthopedics
 USE MEDICINE and MUSCULOSKELETAL SYSTEM
Orange orange
 USE TREES
OSCILLATION
 BT MOTION
 RT DAMPING MECHANICAL WAVES RESONANCE VIBRATION
Oscillator circuits
 USE OSCILLATORS
OSCILLATORS
 UF Elect in tube oscillators Feed back oscillators Oscillator circuits
 NT BACKWARD-WAVE OSCILLATORS CRYSTAL OSCILLATORS HARMONIC OSCILLATORS MICROWAVE OSCILLATORS RADIOFREQUENCY OSCILLATORS RELAXATION OSCILLATORS
 RT COILS ELECTROMAGNETIC AMPLIFIERS ELECTRON TUBE PARTS ELECTRON TUBES FEEDBACK MODULATORS PHASE DETECTORS RESONATORS SEMICONDUCTOR DEVICES TRIGGER CIRCUITS WAVEGUIDES
Oscillograms
 USE OSCILLOGRAPHY
OSCILLOGRAPHY
 UF Oscillograms
 BT OSCILLOSCOPES
Oscilloscope probes
 USE PROBES (ELECTROMAGNETIC)
OSCILLOSCOPES
 BT TEST EQUIPMENT (ELECTRONICS)
 NT OSCILLOGRAPHY
 RT FREQUENCY ANALYZERS NOISE ANALYZERS
Osteology
 USE BONE
Ours
 USE BEAST and EAR

OTORHINOLARYNGOLOGY
 BT MEDICINE
Ovaries
 USE SEX GLANDS
Ovens
 USE FURNACES
OVERFLIGHT
 (Flights that are not inbound for or departing from the instrument terminal or one of its satellites)
 BT FLIGHT
Overshoot
 USE MISSED APPROACH
Oxidases
 USE OXIDOREDUCTASES
OXIDATION
 BT CHEMICAL REACTIONS
 RT COMBUSTION
 CORROSION
Oxidation inhibitors
 USE ANTIOXIDANTS
OXIDE CATHODES
 BT CATHODES (ELECTRON TUBES)
 ELECTRON TUBE PARTS
 RT ELECTRON TUBES
OXIDES
 NT CARBON DIOXIDE
 DIOXIDES
 MONOXIDES
 RARE EARTHS
 RT OXYGEN
OXIDOREDUCTASES
 UF Dehydrogenases
 Oxidases
 Tyrosinase
 Xanthine oxidase
 BT ENZYMES
OXIMETERS
 (Devices for continuously measuring the degree of oxygen saturation of the circulating blood)
 RT HEMATOLOGY
 HEMOGLOBIN
 OXYGEN CONSUMPTION
OXYGEN
 UF Hyperventilation
 Hypoxemia
 Oxygen poisoning
 BT GROUP VI ELEMENTS
 NON-METALS
 RT OXIDES
 MONOXIDES
 OXIDES
OXYGEN CONSUMPTION
 UF Tissue respiration
 RT METABOLISM
 OXIMETERS
 RESPIRATION
OXYGEN EQUIPMENT
 RT OXYGEN MASKS
 A. BREATHING APPARATUS
 LIFE SUPPORT
OXYGEN MASKS
 BT BREATHING APPARATUS
 BREATHING MASKS
 OXYGEN EQUIPMENT
 RT PRESSURE BREATHING
Oxygen poisoning
 USE OXIDATION
 AND POISONING
Oxytocin
 USE PITUITARY HORMONES
OZONE

P

PACKAGED CIRCUITS
 BT CIRCUITS
 RT INTEGRATED CIRCUITS
 INVERTER CIRCUITS
 MODULES (ELECTRONIC)
 MOLECULAR ELECTRONICS
 PRINTED CIRCUITS
Packaging
 USE CONTAINERS
Packings (Boats)
 USE SEALS (STOPPERS)

PACKS (PARACHUTE)
 BT CONTAINERS
Pad
 USE CARTRIDGES (PAD)
PAIN
 UF Headache
 Neuralgia
 Pain thresholds
 BT PERCEPTION
 SENSORY MECHANISMS
Pain thresholds
 USE PAIN
 AND THRESHOLDS (PHYSIOLOGY)
Painleve equation
 USE NONLINEAR DIFFERENTIAL EQUATIONS
Painleve transcendents
 USE NONLINEAR DIFFERENTIAL EQUATIONS
PAINT REMOVERS
 (Chemicals, solvents and apparatus for removing paint, varnish, lacquers, shellac, etc.)
 UF Lacquer removers
 Varnish removers
 RT CLEANING COMPOUNDS
PAINTS
 (Pigmented coatings usually with organic binder and solvent)
 BT COATING
 FINISHES & FINISHING
 RT PLASTIC COATINGS
PALLADIUM ALLOYS
 BT ALLOYS
PALLADIUM COMPOUNDS
PANEL BOARDS (ELECTRICITY)
 BT CONTROL PANELS
Panel (Heating)
 USE RADIANT HEATING PANELS
PANELS (STRUCTURAL)
 BT STRUCTURAL PARTS
 NT AIRPLANE PANELS
 SANDWICH PANELS
 TRANSPARENT PANELS
 RT HONEYCOMB CORES
 RADIANT HEATING PANELS
 SHEETS
Parabolas
 USE INTEGRAL TRANSFORMS
PAPER
PARABOLIC ANTENNAS
 BT ANTENNA CONFIGURATIONS
 ANTENNAS
PARABOLIC BODIES
 BT BODIES OF REVOLUTION
 GEOMETRIC FORMS
 RT BLUNT BODIES
 CURVED PROFILES
 ELLIPSOIDS
 HEMISPHERICAL SHELLS
 MONOCOQUES
 OGVES
PARACHUTE DESCENTS
 (Descent of personnel supplies or intelligence items equipped with parachutes for paratrooper factors including: see PARACHUTE JUMPING for planning strategy equipment etc. that are associated with parachute dropped supplies or personnel; see AIR-DROP OPERATIONS)
 RT AIR-DROP OPERATIONS
 FALLING BODIES
 PARACHUTE JUMPING
PARACHUTE FABRICS
 BT TEXTILES
 RT DALTON
 NYLON
 PARACHUTES
 SILK
PARACHUTE JUMPING
 RT AIR-DROP OPERATIONS
 PARACHUTE DESCENTS
PARACHUTES
 NT DRAG PARACHUTES
 RIBBON PARACHUTES
 RT AIR-DROP OPERATIONS
 AVIATION SAFETY
 PARACHUTE FABRICS
 ROTORCHUTES
Paracompact spaces
 USE TOPOLOGY

Paramagnetic crystals
 USE PARAMAGNETIC MATERIALS
PARAMAGNETIC MATERIALS
 (Materials having magnetic permeabilities greater than unity)
 UF Paramagnetic crystals
 Paramagnetic salts
 BT MAGNETIC MATERIALS
 RT CRYSTALS
 FERROMAGNETIC MATERIALS
 MAGNETISM
PARAMAGNETIC RESONANCE
 RT MAGNETIC FIELDS
 MAGNETIC PROPERTIES
Paramagnetic salts
 USE PARAMAGNETIC MATERIALS
PARAMETRIC AMPLIFIERS
 BT AMPLIFIERS
 MICROWAVE AMPLIFIERS
 RT MAGNETIC AMPLIFIERS
 TRANSISTOR AMPLIFIERS
PARASITE PLANES
 BT AIRCRAFT
 AIRPLANES
Parasympathetic nervous system
 USE AUTONOMIC NERVOUS SYSTEM
PARAWINGS
 UF Rogallo wings
 BT WINGS
Paroxetine
 USE AMPHETAMINES
PARENTERAL INFUSIONS
 UF Infusions (Parenteral)
 Intravenous feeding
 RT THERAPY
Paroling aprons
 USE APRONS
PARTIAL DIFFERENTIAL EQUATIONS
 UF Bloch equation
 Cauchy problem
 Elliptic differential equations
 Elliptic systems
 EULER'S equations
 Field equation
 Goldstein's model
 Goursat problem
 Hadamard's method
 Heat equation
 Hyperbolic systems
 Hypercircle method
 Kellogg-Evans theorem
 Lagrange multipliers
 Laplace's equation
 Liebman method
 Maxwell's equations
 Navier-Stokes equations
 Poisson differential equations
 Radiation-Treiman-German (rig)
 Radiation-treiman-german problem
 Riemann invariants
 Sierpinski problem
 Strip solution
 Sturm-Liouville theory
 Temp. like variables
 Treiman equation
 Weierstrass's equation
PARTICLE ACCELERATOR COMPONENTS
 RT ALTERNATING CURRENT
PARTICLE ACCELERATOR TARGETS
 UF Cyclotron targets
PARTICLE ACCELERATOR TECHNIQUES
 RT ALTERNATING CURRENT
PARTICLE FIELDS
 (F. Beams (Particle))
 RT ALTERNATING CURRENT
PARTICLE SIZE
PARTICLES
 (Abstractly subdivided solids or liquids for concepts relating to the ultimate constituents of matter; see ELEMENTARY PARTICLES for suspensions of particles in various media; see COLLOIDS)
 RT DROPS
 POWDERS
 SPRAYS
 RT ELEMENTARY PARTICLES
 SMOOKES
Parts catalogs
 USE CATALOGS

PASSENGER VEHICLES
 UF Automobiles
 Buses
 Cars
 BT VEHICLES
 NT AMBUSANCES
 RT SLEDS
 SNOW VEHICLES
 TOWED VEHICLES
PASSENGERS
 UF Aircraft passengers
 Airline passengers
 Motor vehicle passengers
PATENTS
Pathological effects
 USE PATHOLOGY
PATHOLOGY
 (The science of general pathological effects; For specific pathologic states, see DISEASES)
 UF Dyspnea
 Heart arrest
 Myopathy
 Pathological effects
 NT CONVULSIVE DISORDERS
 RT DIAGNOSIS
 ETIOLOGY
 HEMATOLOGY
 HISTOLOGY
 MEDICINE
PATROL BOMBERS
 UF Scout bombers
 BT AIRCRAFT
 AIRPLANES
 BOMBERS
 PATROL PLANES
PATROL PLANES
 UF Scout planes
 BT AIRCRAFT
 AIRPLANES
 NT PATROL BOMBERS
PATTERN RECOGNITION
 (Comparison, evaluation, interpretation, or memorization of graphic displays by machines)
 UF Character recognition
 RT ARTIFICIAL INTELLIGENCE
 BIONICS
 CYBERNETICS
 READING MACHINES
PAYMENTS
 UF Concrete pavements
 Concrete surfacing
 RT ASPHALT
 CONCRETE
Pay
 USE WAGES
Payroll
 USE WAGES
PEAK AIR TRAFFIC
 BT AIR TRAFFIC
Peano curve
 USE TOPOLOGY
Peano's type III functions
 USE STATISTICAL FUNCTIONS
Pendulum type equations
 USE DIFFERENTIAL EQUATIONS
PENETRATION
 RT DAMAGE
 EXPLOSION EFFECTS
 VULNERABILITY
Pennants
 USE FLAGS
PENTABORANES
 BT BORANES
 BORON COMPOUNDS
 CHEMICAL COMPOUNDS
PENTODES
 BT ELECTRON TUBES
PERCEPTION
 NT HEARING
 PAIN
 PROPREOCEPTION
 SENSORY MECHANISMS
 SMELL
 SPACE PERCEPTION
 TOUCH
 VISION
 RT ACUITY
 AUDIOMETRY
 PSYCHOLOGY
 STIMULATION
 THRESHOLDS (PHYSIOLOGY)
Percussion detonators
 USE DETONATORS

PHYSICS (Con.)
 MATHEMATICS
 MECHANICS
 NUCLEAR PHYSICS
 OPTICS
 PLASMA PHYSICS
 QUANTUM MECHANICS
 SCIENTIFIC RESEARCH
 SOLID STATE PHYSICS
 THERMODYNAMICS

Physiological aging
 USE AGING (PHYSIOLOGY)

Physiological chemistry
 USE BIOCHEMISTRY

Physiological effects
 USE PHYSIOLOGY

Physiological factors
 USE PHYSIOLOGY

PHYSIOLOGY
 UF Neurophysiology
 Physiological effects
 Physiological factors
 RT ALCOHOL
 ANATOMY
 BLOOD
 BODY
 CELLS (BIOLOGY)
 NEUROLOGY
 TISSUES (BIOLOGY)

Picture frustration study
 USE PROJECTIVE TECHNIQUES

PICTURES
 (For graphic representations produced by photographic means, see PHOTOGRAPHS)

RT PHOTOGRAPHS

PIEZOELECTRIC CRYSTALS
 UF Piezoelectric materials

BT CRYSTALS
 RT CRYSTAL FILTERS

PIEZOELECTRIC EFFECT
 BT ELECTRICAL PROPERTIES
 RT ELECTROSTRICTION
 FERROELECTRICITY

Piezoelectric materials
 USE PIEZOELECTRIC CRYSTALS

PIEZOELECTRIC TRANSDUCERS

Pigs
 USE SWINE

Pilot licenses
 USE LICENSING

PILOT SEATS
 BT AIRCRAFT EQUIPMENT
 AIRCRAFT SEATS
 RT COCKPITS
 EJECTION SEATS

Pilot training
 USE TRAINING
 and PILOTS

PILOT WARNING INDICATORS
 (Devices designed to alert an aircraft pilot to the presence of another aircraft at or near his altitude.)

BT WARNING SYSTEMS
 RT AVIATION SAFETY

Pilotless aircraft
 USE DRONES

PILOTS
 UF Pilot training
 BT AVIATION PERSONNEL
 OPERATORS (PERSONNEL)
 RT MILITARY PERSONNEL
 NAVIGATORS

PIPES
 UF Tubes
 RT HOSES

PISTON RINGS
 BT ENGINE STRUCTURE

PISTONS
 BT ENGINE STRUCTURES

Pitch (Acoustic)
 USE SOUND PITCH

PITCH (MOTION)
 UF Stability (Longitudinal)
 BT MOTION
 RT FLIGHT CHARACTERISTICS

PITCH DISCRIMINATION
 RT HEARING
 SOUND PITCH

Pitot static tubes
 USE PITOT TUBES

PITOT TUBES
 UF Impact tubes
 Pitot static tubes
 BT PRESSURE GAGES

PITUITARY HORMONES
 UF Gonadotropin
 Oxytocin
 Vasopressin

BT HORMONES
 NT ADRENOCORTICOTROPIC HORMONES

PLAN POSITION INDICATORS
 UF PPI
 VPR

BT DISPLAY SYSTEMS
 POSITION FINDING

RT CATHODE RAY TUBES
 DETECTION

DIRECTION FINDING
 GROUND-POSITION INDICATORS
 RADAR IMAGES

RANGES (DISTANCE)
 TARGET POSITION INDICATORS
 TRACKING

Planar gratings
 USE DIFFRACTION GRATINGS

Planetary circulation
 USE ATMOSPHERIC MOTION

PLANETS
 HT EARTH

PLANING SURFACES
 BT HYDRODYNAMIC CONFIGURATIONS

NT FLYING BOAT HULLS
 HYDRO-SKIS
 HYDROFOILS

RT SEAPLANE FLOATS
 CONTROL SURFACES
 HYDRAULIC MODELS

Plant metabolism
 USE METABOLISM
 and PLANTS (BOTANY)

Plant products
 USE PLANTS (BOTANY)

PLANTS (BOTANY)
 UF Botany
 Plant metabolism
 Plant products
 Tradescantia

NT ALGAE
 COTTON
 FUNGI
 GRASSES
 TREES

RT AGRICULTURE
 BACTERIA
 POLLEN

Plants (Engineering)
 USE INDUSTRIAL PLANTS

Plasma (Blood)
 USE BLOOD PLASMA

PLASMA JETS
 BT JETS
 PLASMA PHYSICS

RT GAS IONIZATION

PLASMA OSCILLATIONS
 BT PLASMA PHYSICS
 RT GAS IONIZATION

PLASMA PHYSICS
 NT PLASMA JETS
 PLASMA OSCILLATIONS

RT GAS DISCHARGES
 GAS IONIZATION
 MAGNETOHYDRODYNAMICS

NUCLEAR PHYSICS
 PHYSICS
 THERMODYNAMICS

Plasma proteins
 USE BLOOD PROTEINS

Plasma volume
 USE BLOOD VOLUME

PLASTIC COATINGS
 BT COATINGS
 FINISHES & FINISHING
 ORGANIC COATINGS

RT PAINTS

Plastic flow
 USE CREEP

Plastic foams
 USE EXPANDED PLASTICS

Plastic gaskets
 USE PLASTIC SEALS

Plastic laminates
 USE LAMINATED PLASTICS

PLASTIC SEALS
 UF Plastic gaskets
 BT SEALS (STOPPERS)
 RT FUEL SEALS
 GAS SEALS
 ROTARY SEALS

Plastic thread
 USE FIBERS (SYNTHETIC)

PLASTICITY
 BT MECHANICAL PROPERTIES

RT BRITTLENESS
 DEFORMATION
 DUCTILITY
 ELASTICITY

PLASTICIZERS
 RT BINDERS

PLASTICS
 UF Plastics
 NT ACRYLIC RESINS
 CELLULOSIC PLASTICS
 EPOXY PLASTICS
 EXPANDED PLASTICS
 HALOCARBON PLASTICS
 HEAT-RESISTANT PLASTICS
 ISOCYANATE PLASTICS
 LAMINATED PLASTICS
 NYLON
 PHENOLIC PLASTICS
 POLYESTER PLASTICS
 POLYETHYLENE PLASTICS
 SILICONE PLASTICS
 STYRENE PLASTICS
 THERMOSETTING PLASTICS
 VINYL PLASTICS
 ELASTOMERS

RT

Plates (Metal)
 USE METAL PLATES

PLATING
 BT COATINGS
 FINISHES & FINISHING

NT VAPOR PLATING
 RT FLAME SPRAYING
 METAL COATINGS

Plazglas
 USE ACRYLIC RESINS

PLOTTERS
 (Devices for plotting trajectories and courses.)

NT PLOTTING BOARDS
 RT FIRE CONTROL SYSTEMS
 NAVIGATION

PLOTTING BOARDS
 BT PLOTTERS
 RT BOMBING

PLUG NOZZLES
 BT ROCKET MOTOR NOZZLES

PLUG VALVES
 BT VALVES

Plugs (Electricity)
 USE ELECTRIC CONNECTORS

PLYWOOD
 UF Fire-resistant plywood
 Veneer

BT LAMINATES
 WOOD

RT SANDWICH CONSTRUCTION

PNEUMATIC BRAKES
 UF Air brakes
 BT BRAKES
 PNEUMATIC DEVICES

PNEUMATIC DEVICES
 UF Pneumatic reservoirs
 Reservoirs (Pneumatic)

NT PNEUMATIC BRAKES
 PNEUMATIC SERVOMECHANISMS

Pneumatic life rafts
 USE LIFE RAFTS

Pneumatic reservoirs
 USE PNEUMATIC DEVICES

PNEUMATIC SERVOMECHANISMS
 BT PNEUMATIC DEVICES
 SERVOMECHANISMS
 SERVOMOTORS
 SYNCHROS

PNEUMATIC SYSTEMS
 BT AIRCRAFT SYSTEMS
 RT GAS-GENERATING SYSTEMS
 PRESSURE

PNEUMATIC VALVES
 UF Gas valves
 BT VALVES
 RT HIGH-PRESSURE VALVES

Poincare duality (Theorem)
 USE ALGEBRAIC TOPOLOGY

Point discharge
 USE ELECTRICAL CORONA

Point-contact transistors
 USE TRANSISTORS

Poison tolerance
 USE TOXIC TOLERANCES

POISONING
 UF Hyperventilation
 Oxygen poisoning

PLASTICITY
 RT TOXICITY

POISONOUS GASES
 RT AEROSOLS

Poisson difference equations
 USE DIFFERENCE EQUATIONS

Poisson differential equations
 USE PARTIAL DIFFERENTIAL EQUATIONS

Poisson limit
 USE PROBABILITY

Poisson parameter
 USE STATISTICAL ANALYSIS

Poisson process
 USE STATISTICAL PROCESSES

Poisson sampling
 USE SAMPLING

Poisson transform
 USE INTEGRAL TRANSFORMS

Poisson's integral
 USE INTEGRALS

POLAR REGIONS
 UF Antarctic regions
 Arctic regions

RT CLIMATOLOGY

POLARISCOPE
 BT OPTICAL INSTRUMENTS

POLARIZATION
 (includes electrical, magnetic, and optical polarization.)

NT ELECTRIC MOMENTS
 MAGNETIC MOMENTS

RT ELECTROSTRICTION
 FERROELECTRICITY
 FERROMAGNETISM
 MAGNETIC PROPERTIES
 MAGNETO-OPTIC EFFECT

POLARIZING FILTERS
 RT OPTICAL EQUIPMENT
 COMPONENTS
 OPTICAL FILTERS
 PHOTOGRAPHIC FILTERS

POLAROGRAPHIC ANALYSIS
 BT CHEMICAL ANALYSIS
 QUANTITATIVE ANALYSIS

POLITICAL SCIENCE
 UF Civil government
 Geopolitics
 Government
 Government (Foreign)

BT SOCIOLOGY
 RT UNITED STATES GOVERNMENT

POLLEN
 RT AEROBIOLOGY
 ATMOSPHERIC POLLUTION
 PLANTS (BOTANY)
 SEEDS

Polycythemia
 USE BLOOD DISORDERS

POLYESTER PLASTICS
 (Plastics produced by reactions of dibasic acids with dihydric alcohols including polyester polymers and polyester resins.)

UF Alkyd resins
 BT PLASTICS
 THERMOSETTING PLASTICS

POLYETHYLENE PLASTICS
 UF Polyethylene polymers
 Polyolefin plastics

BT PLASTICS

Polyethylene polymers
 USE POLYETHYLENE PLASTICS

Polykeys
 USE STATISTICAL ANALYSIS

POLYMERS
 (For polymerized compounds used as construction materials, etc., see PLASTICS, SYNTHETIC RUBBER.)

Polymethanes
 USE ISOCYANATE PLASTICS

Polymethenes
 USE ISOCYANATE PLASTICS

Polymethylmethacrylate
 USE ACRYLIC RESINS

Polynomial arc smoothing
 USE NUMERICAL ANALYSIS

POLYNOMIALS
Polyolefin plastics
 USE POLYETHYLENE PLASTICS

- Polystyrene plastics**
USE STYRENE PLASTICS
- Pontoon**
USE FLOATS
- Pontyagin product**
USE ALGEBRAIC TOPOLOGY
- POPULATION**
BT SOCIOLOGY
RT SOCIAL SCIENCES
SOCIOMETRICS
URBAN AREAS
- POROSITY**
Porous filters
USE FILTERS (FLUID)
- Porous materials**
- PORTABLE**
- Position descriptions**
USE JOB ANALYSIS
- POSITION FINDING**
UF Position finding instruments
Target position finding
NT COMPASSES
GROUND-POSITION INDICATORS
PLAN POSITION INDICATORS
SEXTANTS
TARGET POSITION INDICATORS
RT ACOUSTIC DETECTORS
ALTIMETERS
AUTOMATIC NAVIGATORS
BEACONS
DEAD RECKONING
DETECTION
DETECTORS
DIRECTION FINDING
DIRECTION FINDING SIGNALS
DIRECTION FINDING STATIONS
FLIGHT INSTRUMENTS
HYPERBOLIC NAVIGATION
MARKER LIGHTS
RADAR TRACKING
RANGE FINDING
RANGES (DISTANCE)
SHORAN
SOUND RANGING
TARGET RECOGNITION
TRACKING
- Position finding instruments**
USE POSITION FINDING
RT DIRECTION FINDING
- Position lights**
USE NAVIGATIONAL LIGHTS
- POSITIONING DEVICES (MACHINERY)**
UF Turnbuckles
NT HOISTS
RT MACHINE TOOLS
MACHINES
- POSITIONING REACTIONS**
(Human operator reactions to positioning of equipment.)
RT HUMAN ENGINEERING
- POSITIVE CONTROL**
(Air traffic control which provides for the separation of all aircraft within a given airspace regardless of weather conditions.)
BT AIR TRAFFIC CONTROL SYSTEMS
RT ALL-WEATHER AVIATION
ATC ENROUTE
ATC TERMINAL AREA
AVIATION SAFETY
- POSTURE**
UF Body attitude
- POTASSIUM ALLOYS**
BT ALLOYS
- POTASSIUM COMPOUNDS**
Potassium tolerance
USE TOXIC TOLERANCES
- Potential (Electric)**
USE ELECTRIC POTENTIAL
- POTENTIAL THEORY**
UF Capacities
Capacities of sets
Harmonic forms
- POTENTIOMETERS**
RT VOLTMETERS
- POWDERS**
BT PARTICLES
- POWER**
RT ENERGY
- POWER AMPLIFIERS**
BT AMPLIFIERS
- Power distribution cables**
USE ELECTRIC CABLES
- POWER EQUIPMENT**
NT ELECTRIC POWER PRODUCTION
POWER SUPPLIES
POWER TRANSFORMERS
THERMONIC CONVERTERS
RT COILS
ELECTROMAGNETS
GENERATORS
MOTOR GENERATORS
PERMANENT MAGNET GENERATORS
POWER PLANTS (AIRCRAFT)
- POWER EQUIPMENT PARTS**
RT ELECTRIC MOTORS
ELECTROMAGNETS
MOTOR GENERATORS
PERMANENT MAGNET GENERATORS
POWER SUPPLIES
POWER TRANSFORMERS
- POWER METERS**
NT WATTMETERS
- POWER PLANTS (AIRCRAFT)**
(An engine installation regarded as a source of power for cooling systems, ignition systems, induction systems, accessories, etc.)
BT AIRCRAFT SYSTEMS
NT AIRPLANE ENGINES
RT AUXILIARY POWER PLANTS
IGNITION SYSTEMS
INDUCTION SYSTEMS
POWER EQUIPMENT
- Power plants (Auxiliary)**
USE AUXILIARY POWER PLANTS
- Power series**
USE TAYLORS SERIES
- POWER SUPPLIES**
BT POWER EQUIPMENT
RT ARMED FORCES SUPPLIES
COILS
ELECTRIC POWER PRODUCTION
ELECTROMAGNETS
POWER EQUIPMENT PARTS
SOLAR PANELS
- POWER TRANSFORMERS**
BT POWER EQUIPMENT
TRANSFORMERS
RT COILS
ELECTRIC POWER PRODUCTION
ELECTROMAGNETS
POWER EQUIPMENT PARTS
SATURABLE REACTORS
- PPI**
USE PLAN POSITION INDICATORS
- Praseodymium**
USE RARE EARTH COMPOUNDS
- Praseodymium compounds**
USE RARE EARTH COMPOUNDS
- Pre-launch procedures**
USE CHECKOUT PROCEDURES
- PREAMPLIFIERS**
BT AMPLIFIERS
- Precession instability**
USE FLUTTER
- Precipitation (Atmospheric)**
USE ATMOSPHERIC PRECIPITATION
- Precipitation (Electrostatic)**
USE ELECTROSTATIC PRECIPITATION
- Precipitation hardening**
USE DISPERSION HARDENING
- PRECIPITATION STATIC**
BT METEOROLOGICAL PHENOMENA
RT ATMOSPHERIC ELECTRICITY
ATMOSPHERICS
- Precision dead reckoning**
USE DEAD RECKONING
- Predicates**
USE MATHEMATICAL LOGIC
- Prednisolone**
USE CORTICOSTEROID AGENTS
- PREFABRICATED BUILDINGS**
BT BUILDINGS
- PREGNANCY**
UF Gestation
RT EMBRYOS
- Preignition**
USE AUTOIGNITION
- PREPARATION**
(For preparation of chemical compounds, see SYNTHESIS (CHEMISTRY).)
RT MANUFACTURING METHODS
- Preputial glands**
USE GLANDS
- PRESSURE**
NT SURFACE PRESSURES
VAPOR PRESSURE
RT AERODYNAMIC FORCES
DECOMPRESSION
PNEUMATIC SYSTEMS
- PRESSURE BREATHING**
(Breathing in which air enters the lungs at a pressure greater or less than ambient pressure.)
BT RESPIRATION
RT BREATHING APPARATUS
OXYGEN MASKS
PRESSURE SUITS
- Pressure capsules**
USE PRESSURE VESSELS
- Pressure gage rings**
USE PRESSURE GAGES
- PRESSURE GAGES**
UF Pressure gage rings
Static tubes
BT METERS
NT MANOMETERS
PITOT TUBES
THRUST METERS
RT BAROMETERS
STRAIN GAGES
- PRESSURE PATTERN FLIGHT**
BT FLIGHT
FLIGHT PATHS
- PRESSURE REGULATORS**
UF Manostats
RT PRESSURE SUITS
PRESSURE VESSELS
- PRESSURE SUITS**
UF Altitude suits
Antiacceleration suits
Antiblackout suits
BT CLOTHING
FLIGHT CLOTHING
PROTECTIVE CLOTHING
RT LIFE SUPPORT
PRESSURE BREATHING
PRESSURE REGULATORS
- Pressure transducers**
USE TRANSDUCERS
- PRESSURE VESSELS**
UF Pressure capsules
RT FILAMENT WOUND
CONSTRUCTION
HIGH-PRESSURE RESEARCH
PRESSURE REGULATORS
- PRESSURIZED CABINS**
RT AIRCRAFT CABINS
AIRCRAFT EQUIPMENT
JETTISONABLE COCKPITS
LIFE SUPPORT
- Preventive medicine**
USE MEDICINE
- PRIMATES**
BT ANIMALS
MAMMALS
NT INFANTS
MAN
WOMEN
- Prime rings**
USE ALGEBRA
- Primer-detonators**
USE DETONATORS
- Principal component analysis**
USE FACTOR ANALYSIS
- PRINTED CIRCUITS**
BT CIRCUITS
RT MICROMINIATURIZATION
(ELECTRONICS)
MOLECULAR ELECTRONICS
PACKAGED CIRCUITS
- PRINTED CIRCUITS**
RT MOLECULAR ELECTRONICS
- PRINTING**
RT INK
TYPEWRITERS
- Prismatic floats**
USE SEAPLANE FLOATS
- PROBABILITY**
UF Binomial probability
Circular normal probabilities
Doeblin's theory
Instrumental variables
Kolmogoroff's equation
Markov chains
Menage permutations
Poisson limit
Random permutations
Renewal theorem
Restricted occupancy
- Risk theory
Von Mises statistic
- NT QUEUEING THEORY**
- RT STOCHASTIC PROCESSES**
- PROBES (ELECTROMAGNETIC)**
(Excludes beamed radiation.)
UF Broadband probes
Microwave probes
Oscilloscope probes
- Probit analysis**
USE FACTOR ANALYSIS
- PROCESSING**
RT MANUFACTURING METHODS
- PROCUREMENT**
NT AIR FORCE PROCUREMENT
ARMED FORCES PROCUREMENT
ARMY PROCUREMENT
GOVERNMENT PROCUREMENT
NAVAL PROCUREMENT
RT LOGISTICS
- Prodiagnosis**
USE ANTI-BIOTICS
- PRODUCTION**
RT MANUFACTURING METHODS
- PROFESSIONAL PERSONNEL**
BT PERSONNEL
NT ENGINEERING PERSONNEL
MEDICAL PERSONNEL
SCIENTIFIC PERSONNEL
RT AVIATION PERSONNEL
GOVERNMENT EMPLOYEES
INSTRUCTORS
MILITARY PERSONNEL
- PROGRAMMING (COMPUTERS)**
UF Coding (Computers)
Flow diagramming (Computers)
RT COMPUTERS
DIGITAL COMPUTERS
UPDATING (COMPUTERS)
- PROGRAMMING LANGUAGES**
UF Algol
Cobol
Fortran
- PROJECTILES**
UF Artillery shells
Bullets
NT INCENDIARY PROJECTILES
RT OGIVES
ROCKETS
- PROJECTIVE GEOMETRY**
UF Desargues, theorem
BT GEOMETRY
- PROJECTIVE TECHNIQUES**
UF Picture frustration study
Rorschach test
Szondi test
BT PSYCHOMETRICS
- Projectors (Film)**
USE FILM PROJECTORS
- Prolongations**
USE ALGEBRAIC TOPOLOGY
- Promethium**
USE RARE EARTH COMPOUNDS
- Promethium compounds**
USE RARE EARTH COMPOUNDS
- PROPAGATION**
(Expansion of the activity, intensity, or transmission of MECHANICAL waves or ELECTROMAGNETIC waves.)
NT IONOSPHERIC PROPAGATION
RT ATTENUATION
FLAME PROPAGATION
FREQUENCY
WAVE TRANSMISSION
- Propellant actuated devices**
USE CARTRIDGES (PAD)
- Propellant additives**
USE FUEL ADDITIVES
- Propellant sloshing**
USE SLOSHING
- PROPELLANTS**
NT LIQUID ROCKET PROPELLANTS
ROCKET PROPELLANTS
RT FUELS
- PROPELLER BLADES**
RT AIRFOILS
BLADE AIRFOILS
ROTOR BLADES (ROTARY WINGS)
- Propeller driven aircraft**
USE AIRCRAFT
- PROPELLER HUBS**
UF Hubs
RT ROTOR HUBS
- PROPELLER NOISE**
BT NOISE

Propeller shrouds
 USE SHROUD RINGS
PROPELLERS (AERIAL)
 UF Aerial propellers
 Pusher propellers
 BT AERODYNAMIC CONFIGURATIONS
 RT AIRCRAFT EQUIPMENT
 DUAL-ROTATION PROPELLERS
 ROTOR BLADES (ROTARY WINGS)
 ROTORCHUTES
 SHROUDED PROPELLERS
 T.A.L. HELICOPTER ROTORS
 VARIABLE-PITCH PROPELLERS

Propositional calculus
 USE MATHEMATICAL LOGIC

PROPRIOCEPTION
 UF Vertical perception
 BT PERCEPTION
 SENSORY MECHANISMS
 RT SPACE PERCEPTION
 VERTIGO

PROPULSION
 NT AIRCRAFT NUCLEAR
 PROPULSION
 ELECTRIC PROPULSION
 JET PROPULSION
 ROCKET PROPULSION
 RT AIRCRAFT
 ROCKET MOTORS

PROSTHETICS
 RT EYEGLASSES

PROTECTIVE CLOTHING
 UF Suits
 BT CLOTHING
 NT EXPOSURE SUITS
 FLIGHT CLOTHING
 PRESSURE SUITS
 RT BREATHING MASKS
 EYEGLASSES
 GLOVES
 HELMETS
 SOCKS

PROTECTIVE COVERINGS
 UF Fittings (Coverings)

PROTECTIVE SCREENS
 (Partition or curtain which cuts off
 inconvenience, injury or danger.)
 UF Wire screens

Protective spectacles
 USE EYEGLASSES

PROTECTIVE TREATMENTS
 BT FINISHES & FINISHING
 NT ANTIFOULING COATINGS
 FIRE-RESISTANT COATINGS
 MOISTUREPROOFING
 PHOSPHATE COATINGS
 WEATHERPROOFING
 RT AIRCRAFT FINISHES
 ANTIPOGGING AGENTS
 ANTIRAIN AGENTS
 COATINGS
 CORROSION INHIBITION

Protein substitutes
 USE PROTEINS

PROTEINS
 UF Protein substitutes
 NT BLOOD PROTEINS
 HEMOGLOBIN
 LIPOPROTEINS
 PROTEINS (CONJUGATED)
 RT AMINO ACIDS
 ENZYMES

PROTEINS (CONJUGATED)
 (Substances that consist of protein
 combined with some other substance
 (the prosthetic molecule))

UF Conjugated proteins
 Lecithoproteins
 Metalloproteins
 BT PROTEINS
 NT HEMOGLOBIN
 LIPOPROTEINS
 RT AMINO ACIDS
 BLOOD PROTEINS

PROTON BEAMS

PROTONS
 BT CHARGED PARTICLES
 ELEMENTARY PARTICLES
 NUCLEONS
 RT COSMIC RAYS

Protoplasm
 USE CELLS (BIOLOGY)

PROXIMITY DEVICES
 (Devices operated by a change sensed
 in the immediate environment)

Pseudoanalytic functions
 USE FUNCTIONS

Psychiatrists
 USE MEDICAL PERSONNEL
PSYCHIATRY
 (Prevention, diagnosis and therapy of
 emotional illness.)

UF Psychoanalysis
 Psychotherapy
 BT ABNORMAL PSYCHOLOGY
 MEDICINE
 PSYCHOLOGY
 RT ANXIETY
 EMOTIONS
 FEAR

PSYCHOACOUSTICS
 RT ACOUSTICS
 HEARING
 REACTION (PSYCHOLOGY)
 SOUND

Psychoanalysis
 USE PSYCHIATRY

Psycholeptic agents
 USE TRANQUILIZERS

Psychological measurement
 USE PSYCHOMETRICS

Psychological scaling
 USE PSYCHOMETRICS

Psychological tests
 USE PSYCHOMETRICS

PSYCHOLOGY
 UF Aviation psychology
 NT ABNORMAL PSYCHOLOGY
 APPLIED PSYCHOLOGY
 APTITUDE TESTS
 INDUSTRIAL PSYCHOLOGY
 MILITARY PSYCHOLOGY
 PSYCHIATRY
 RT ADJUSTMENT (PSYCHOLOGY)
 ANXIETY
 ATTENTION
 ATTITUDES
 BEHAVIOR
 CONDITIONED REFLEX
 EMOTIONS
 FEAR
 GROUP DYNAMICS
 LEADERSHIP
 LEARNING
 MEMORY
 MOTIVATION
 PERCEPTION
 PERSONALITY
 PSYCHOMETRICS
 REACTION (PSYCHOLOGY)
 REASONING
 SENSORY DEPRIVATION
 STRESS (PSYCHOLOGY)
 VERBAL BEHAVIOR

PSYCHOMETRICS

UF Measurement (Mental)
 Psychological measurement
 Psychological scaling
 Psychological tests
 Scaling (Psychology)
 NT ACHIEVEMENT TESTS
 APTITUDE TESTS
 INTELLIGENCE TESTS
 PROJECTIVE TECHNIQUES
 RT APPLIED PSYCHOLOGY
 INDUSTRIAL PSYCHOLOGY
 MILITARY PSYCHOLOGY
 PERSONALITY TESTS
 PSYCHOLOGY
 PSYCHOMOTOR TESTS

PSYCHOMOTOR TESTS
 (Tests of motor skill to determine the
 coordination of a sensory or
 ideational process and a motor
 activity)

RT ACHIEVEMENT TESTS
 APPLIED PSYCHOLOGY
 APTITUDE TESTS
 MOTOR REACTIONS
 PSYCHOMETRICS

Psychopathology
 USE ABNORMAL PSYCHOLOGY

Psychotechnology
 USE APPLIED PSYCHOLOGY

Psychotherapy
 USE PSYCHIATRY

PSYCHOTROPIC AGENTS
 RT DRUGS

Psychrometers
 USE HYGROMETERS

PUBLIC ADDRESS SYSTEMS
 BT COMMUNICATION SYSTEMS
 RT INTERCOMMUNICATION SYSTEMS
 LOUDSPEAKERS
 MEGAPHONES

PUBLIC OPINION

UF Public opinion polls
 BT SOCIOLOGY
 SOCIOMETRICS

Public opinion polls
 USE PUBLIC OPINION

PUBLIC RELATIONS
 BT SOCIOLOGY

Pulleys

USE HOISTS

PULSE COMMUNICATION SYSTEMS
 BT COMMUNICATION SYSTEMS
 RT MICROWAVE COMMUNICATION SYSTEMS
 RADIO COMMUNICATION SYSTEMS

PULSE COUNTERS

PULSE DISCRIMINATORS
PULSE GENERATORS

UF Keys (Pulse generators)

PULSE HEIGHT ANALYZERS
 UF Differential discriminators

RT DISCRIMINATORS

PULSE MODULATION
 BT MODULATION

RT AMPLITUDE MODULATION
 FREQUENCY MODULATION
 PHASE MODULATION

PULSE TRANSMITTERS
 BT COMMUNICATION EQUIPMENT

NT INTERROGATORS

PULSEJET ENGINES
 BT JET ENGINES

RT RAMJET ENGINES
 TURBOJET ENGINES

Pulsar (Electromagnetic)
 USE ELECTROMAGNETIC PULSES

PUMPS
 NT AIR EJECTORS
 CENTRIFUGAL PUMPS
 ELECTROMAGNETIC PUMPS
 FUEL INJECTORS
 FUEL PUMPS
 HYDRAULIC PRESSURE PUMPS
 INJECTORS
 JET PUMPS
 LIQUID METAL PUMPS
 VACUUM PUMPS

PUNCHED CARDS

UF Punched-card methods
 BT COMPUTER STORAGE DEVICES
 INPUT-OUTPUT DEVICES
 RT ELECTRONIC ACCOUNTING MACHINES

PUNCHED TAPE

BT COMPUTER STORAGE DEVICES
 INPUT-OUTPUT DEVICES
 RT DATA STORAGE SYSTEMS
 MAGNETIC TAPE

Punched-card methods
 USE PUNCHED CARDS

Pupil

USE EYE

PURIFICATION

NT DISTILLATION
 RT FILTERS (FLUID)

PURINES

UF Adenine
 Adenine derivatives
 Adenosine
 Aminopurines
 Guanine
 Imidoxanthine

PUSH-PULL AMPLIFIERS
 BT AMPLIFIERS

Pusher propellers
 USE PROPELLERS (AERIAL)

Psychometers
 USE DENSI-METERS

Pylons (Markers)
 USE TOWERS

Pyrex
 USE HEAT-RESISTANT GLASS

Pyridoxine
 USE VITAMIN B COMPLEX

PYROTECHNICS
 NT FLARES

RT SIGNALS

SMOKES

Pyrophyta
 USE ALGAE

Q

Q METERS

Q-functions
 USE SPECIAL FUNCTIONS
 (MATHEMATICAL)

QUALITY CONTROL

UF Sampling (Industrial)
 NT NON-DESTRUCTIVE TESTING
 RT ACCEPTABILITY
 RELIABILITY
 STANDARDS
 TOLERANCES (MECHANICS)

QUANTITATIVE ANALYSIS

BT CHEMICAL ANALYSIS
 NT POLAROGRAPHIC ANALYSIS
 VOLUMETRIC ANALYSIS
 RT CHROMATOGRAPHIC ANALYSIS
 MICROANALYSIS

Quantum electrodynamics
 USE FIELD THEORY

QUANTUM MECHANICS
 RT DYNAMICS
 FLUID MECHANICS
 PHYSICS

Quartimax method
 USE STATISTICAL ANALYSIS

QUARTZ

UF Quartz crystals
 BT MINERAL PRODUCTS
 RT ROCK (GEOLOGY)

Quartz crystals
 USE QUARTZ

QUARTZ RESONATORS
 BT RESONATORS

Quartz spring balances
 USE BALANCES

Quasi-Idempotent matrices
 USE MATRIX ALGEBRA

QUEUEING THEORY

UF Waiting line theory
 BT OPERATIONS RESEARCH
 PROBABILITY

R

RADAR

UF Radar mapping
 NT AIRPORT RADAR SYSTEMS
 CARRIER-CONTROLLED
 APPROACH RADAR
 COHERENT RADAR
 CONTINUOUS WAVE RADAR
 DIVERSITY RADAR
 DOPPLER RADAR
 GROUND-CONTROLLED
 APPROACH RADAR
 METEOROLOGICAL RADAR
 MONOPULSE RADAR
 RADAR LANDING CONTROL
 RANGE GATING
 SEARCH RADAR
 SIDE-LOOKING RADAR
 TRACK-WHILE-SCAN RADAR
 RT RADAR DECEPTION
 RADAR EQUIPMENT
 RADIO EQUIPMENT
 RADOMES

RADAR ANTENNAS

UF Search radar antennas
 Search radar pulses
 BT ANTENNAS
 RADAR EQUIPMENT
 RT RADAR RECEIVERS
 RADAR REFLECTORS
 RADAR SCANNING
 RADOMES
 SATELLITE ANTENNAS

RADAR ANTIJAMMING

RADAR ANTIJAMMING
 BT ELECTROMAGNETIC WARFARE
 RT RADAR JAMMING

Radar astronomy
 USE RADIO ASTRONOMY

RADAR BEACONS
 BT BEACONS
 RADAR EQUIPMENT
 RT DEFRUITING
 RADAR NAVIGATION
 RADAR RECEIVERS
 RADAR SIGNALS
 RADAR TRANSMITTERS

RADAR CLUTTER
(Unwanted echoes on a radar screen. For undesired energy that interferes with signal reception. see RADAR INTERFERENCE, and NOISE (RADIO).)
 UF Background return
 Clutter
 RT NOISE (RADAR)
 RADAR INTERFERENCE

RADAR CONFUSION REFLECTORS
 UF Chaff
 BT RADAR DECEPTION
 RADAR REFLECTORS
 REFLECTORS
 RT RADAR JAMMING

RADAR CORNER REFLECTORS
 BT RADAR EQUIPMENT
 RADAR REFLECTORS
 REFLECTORS

RADAR DECEPTION
(Devices or tactics that render an enemy, radar data unreliable through radiation reradiation, alteration, absorption, or reflection of signals. For the impairment of enemy signals by deliberate transmission of conflicting signals. see RADAR JAMMING.)
 BT ELECTROMAGNETIC WARFARE
 NT RADAR CONFUSION REFLECTORS
 RT RADAR JAMMING

Radar display systems
 USE DISPLAY SYSTEMS
 and RADAR EQUIPMENT

Radar domes
 USE RADOMES

RADAR DUPLEXERS
 BT RADAR EQUIPMENT

RADAR ECHO AREAS
 BT IMAGES
 RADAR REFLECTIONS
 RADAR SIGNALS
 RT RADAR TARGETS

RADAR EQUIPMENT
 UF Radar display systems
 Radar height finders
 Radar identification systems
 Radar navigation systems
 Radar remoting
 Radar scanners
 Radar tracking systems
 Search radar scanners
 NT RADAR ANTENNAS
 RADAR BEACONS
 RADAR CORNER REFLECTORS
 RADAR DUPLEXERS
 RADAR RANGE CALIBRATORS
 RADAR RECEIVERS
 RADAR REFLECTORS
 RADAR TRANSMITTERS
 RADOMES
 RT COMMUNICATION EQUIPMENT
 DEFRUITING
 DETECTORS
 DISPLAY SYSTEMS
 RADAR
 RADAR STATIONS

RADAR HANDOFF
(Transfer of radar identification and control or advisory jurisdiction over an aircraft from one controller to another without interruption of radar surveillance.)
 UF Handoffs
 RT AIR TRAFFIC CONTROL SYSTEMS
 ATC TERMINAL AREA
 HOLDING PATTERNS
 RADAR TARGETS
 RADAR TRACKING

Radar height finders
 USE HEIGHT FINDING
 and RADAR EQUIPMENT

Radar identification systems
 USE IDENTIFICATION SYSTEMS
 and RADAR EQUIPMENT

RADAR IMAGES
(Visual presentations on a radar screen.)
 BT IMAGES
 RT CATHODE RAY TUBE SCREENS
 DISPLAY SYSTEMS
 PLAN POSITION INDICATORS

RADAR INTERCEPTION
 UF Electronic intelligence
 BT ELECTROMAGNETIC WARFARE
 RT RADAR SIGNALS

RADAR INTERFERENCE
(Distortion of radar signals from natural causes outside the equipment. For distortion deliberately caused by transmission of conflicting signals. see RADAR JAMMING.)
 BT RADIOFREQUENCY
 INTERFERENCE
 RT ATMOSPHERICS
 INTERFERENCE ANALYZERS
 NOISE (RADAR)
 RADAR CLUTTER
 RADAR SIGNALS

RADAR JAMMING
 BT ELECTROMAGNETIC WARFARE
 RT RADAR ANTIJAMMING
 RADAR CONFUSION REFLECTORS
 RADAR DECEPTION
 RADAR SIGNALS

RADAR LANDING CONTROL
 BT LANDING AIDS
 RADAR
 NT CARRIER-CONTROLLED
 APPROACH RADAR
 GROUND-CONTROLLED
 APPROACH RADAR
 RT AIR TRAFFIC CONTROL SYSTEMS
 AIRPORT CONTROL TOWERS
 CARRIER LANDINGS
 GLIDE-PATH SYSTEMS
 INSTRUMENT LANDINGS
 LANDING
 NIGHT LANDINGS
 RADAR NAVIGATION
 TERMINAL FLIGHT FACILITIES

Radar mapping
 USE MAPPING
 and RADAR

RADAR NAVIGATION
 UF Radar navigation systems
 BT NAVIGATION
 RT AIRPORT RADAR SYSTEMS
 CARRIER-CONTROLLED
 APPROACH RADAR
 DOPPLER NAVIGATION
 GROUND-CONTROLLED
 APPROACH RADAR
 RADAR BEACONS
 RADAR LANDING CONTROL
 RADIO NAVIGATION

Radar navigation systems
 USE RADAR EQUIPMENT
 and RADAR NAVIGATION

Radar noise
 USE NOISE (RADAR)

RADAR OPERATORS
 BT OPERATORS (PERSONNEL)
 RT AIR TRAFFIC CONTROLLERS
 AVIATION PERSONNEL
 FLIGHT SERVICE SPECIALISTS
 MILITARY PERSONNEL
 RADAR TRAINERS
 RADIO OPERATORS

RADAR PULSES
 BT ELECTROMAGNETIC PULSES
 ELECTROMAGNETIC WAVES
 RADAR SIGNALS
 RADIOFREQUENCY PULSES

Radar range calculators
 USE RADAR RANGE COMPUTERS

RADAR RANGE CALIBRATORS
 BT RADAR EQUIPMENT

RADAR RANGE COMPUTERS
 UF Radar range calculators
 BT COMPUTERS
 SPECIAL PURPOSE COMPUTERS

RADAR RECEIVERS
 UF Search radar receivers

BT RADAR EQUIPMENT
 RT CRYSTAL VIDEO RECEIVERS
 RADAR ANTENNAS
 RADAR BEACONS
 RADAR TRANSMITTERS

RADAR RECORDING CAMERAS
 BT CAMERAS
 RT AERIAL CAMERAS

RADAR REFLECTIONS
 BT ELECTROMAGNETIC WAVE
 REFLECTIONS
 RADAR SIGNALS
 NT RADAR ECHO AREAS
 RT RADAR TARGETS

RADAR REFLECTORS
 BT RADAR EQUIPMENT
 REFLECTORS
 NT RADAR CONFUSION REFLECTORS
 RADAR CORNER REFLECTORS
 RADAR ANTENNAS

Radar remoting
 USE RADAR EQUIPMENT
 and REMOTE CONTROL SYSTEMS

Radar scanners
 USE RADAR EQUIPMENT
 and RADAR SCANNING

RADAR SCANNING
 UF Airport radar scanners
 Radar scanners
 Search radar scanners
 BT SCANNING
 RT ELECTRONIC SCANNERS
 RADAR ANTENNAS

RADAR SIGNALS
 BT ELECTROMAGNETIC WAVES
 SIGNALS
 NT RADAR ECHO AREAS
 RADAR PULSES
 RADAR REFLECTIONS
 RT RADAR BEACONS
 RADAR INTERCEPTION
 RADAR INTERFERENCE
 RADAR JAMMING
 VIDEO SIGNALS

RADAR STATIONS
 RT GROUND-CONTROLLED
 APPROACH RADAR
 RADAR EQUIPMENT
 SEARCH RADAR

RADAR TARGET POSITION SIMULATORS
 BT SIMULATION
 RT RADAR TRAINERS
 TRAINING DEVICES

RADAR TARGETS
(Objects detected, watched, or tracked by radar.)
 UF Markers (Electronic)
 BT TARGETS
 RT RADAR ECHO AREAS
 RADAR HANDOFF
 RADAR REFLECTIONS

RADAR TRACKING
 UF Radar tracking systems
 BT TRACKING
 RT CARRIER-CONTROLLED
 APPROACH RADAR
 DETECTION
 GROUND-CONTROLLED
 APPROACH RADAR
 MOVING-TARGET INDICATORS
 POSITION FINDING
 RADAR HANDOFF
 RANGES (DISTANCE)
 TARGET DESIGNATORS

Radar tracking systems
 USE RADAR EQUIPMENT
 and RADAR TRACKING

RADAR TRAINERS
 BT TRAINING DEVICES
 RT RADAR OPERATORS
 RADAR TARGET POSITION
 SIMULATORS

RADAR TRANSMITTERS
 BT RADAR EQUIPMENT
 RT RADAR BEACONS
 RADAR RECEIVERS

Radar waves
 USE MICROWAVES

RADIANT HEATING PANELS
 UF Panels (Heating)
 BT HEATERS
 RT PANELS (STRUCTURAL)

Radiation (Electromagnetic)
 USE ELECTROMAGNETIC WAVES

THESAURUS OF FAA DESCRIPTORS

Radiation (Ultrasonic)
 USE ULTRASONIC RADIATION

Radiation counters
 USE RADIATION MEASUREMENT
 SYSTEMS

RADIATION DAMAGE
(Changes in materials exposed to gamma rays, fission fragments, or neutrons. For studies of the effects of such radiation on organisms, food, etc., see RADIATION EFFECTS.)
 BT DAMAGE

RADIATION EFFECTS
 RT DOSIMETERS
 RADIATION HAZARDS
 RADIATION INJURIES
 RADIOACTIVE FALLOUT
 RADIOBIOLOGY
 RADIOPROTECTIVE AGENTS
 SPACE ENVIRONMENTAL
 CONDITIONS

RADIATION HAZARDS
 NT DOSE RATE
 RADIOACTIVE FALLOUT
 RADIOACTIVE WASTE
 RADIOLOGICAL CONTAMINATION
 RADIOLOGICAL DOSAGE
 RT CONTAMINATION
 DECONTAMINATION
 DOSIMETERS
 RADIATION EFFECTS

RADIATION INJURIES
(Injuries resulting from exposure to gamma rays, neutrons, fission products, etc. For thermal injuries. see BURNS.)
 BT WOUNDS & INJURIES
 RT RADIATION EFFECTS

RADIATION MEASUREMENT SYSTEMS
(Devices that measure ionizing radiation.)
 UF Radiation counters
 NT GAMMA COUNTERS
 GEIGER COUNTERS
 NEUTRON COUNTERS
 PULSE HEIGHT ANALYZERS
 RT COUNTING METHODS
 DETECTION
 DETECTORS
 SCALERS

RADIATION MEASUREMENT SYSTEMS COMPO
 RT DETECTORS

RADIATION MONITORS
(Devices that periodically or continuously determine the amount of radioactivity or ionizing radiation in a given area.)
 RT DOSIMETERS
 RADIOACTIVE FALLOUT
 WARNING SYSTEMS

RADIATION TOLERANCE
(The ability of organisms to withstand ionizing radiation.)
 BT TOLERANCES (PHYSIOLOGY)

Radiation-Tricom-German (rtg)
 USE PARTIAL DIFFERENTIAL
 EQUATIONS

Radiation-tricom-german problem
 USE PARTIAL DIFFERENTIAL
 EQUATIONS

RADIO ALTIMETERS
 BT ALTIMETERS
 FLIGHT INSTRUMENTS
 RT HEIGHT FINDING

RADIO ASTRONOMY
 UF Radar astronomy
 BT ASTRONOMY

RADIO BEACONS
 UF Markers (Radio)
 Radio markers
 BT BEACONS
 COMMUNICATION EQUIPMENT
 RADIO EQUIPMENT
 RT RADIO TRANSMITTERS

RADIO BEAMS
 BT BEAMS (ELECTROMAGNETIC)
 ELECTROMAGNETIC WAVES
 RADIO WAVES
 RT RADIO FIELD
 RADIO RELAY SYSTEMS
 RADIO SIGNALS

Radio channel selectors
 USE CHANNEL SELECTORS

RADIO COMMUNICATION SYSTEMS
 BT COMMUNICATION SYSTEMS
 NT MICROWAVE COMMUNICATION SYSTEMS
 MICROWAVE RELAY SYSTEMS
 RADIO RELAY STATIONS
 RADIO RELAY SYSTEMS
 RADIO SCANNING
 RADIO STATIONS
 RADIO TELETYPE SYSTEMS
 SINGLE SIDEBAND COMMUNICATION SYSTEM
 RT PULSE COMMUNICATION SYSTEMS
 RADIO EQUIPMENT
 RADIO TOWERS
 TRANSMITTER-RECEIVERS

RADIO COMMUNICATIONS SYSTEMS
 UF Frequency modulation communication

RADIO COMPASSES
 BT COMPASSES
 RT DIRECTION FINDING

Radio direction finding
 USE DIRECTION FINDING and RADIO EQUIPMENT

RADIO EQUIPMENT
 UF Radio direction finding
 Radio navigation systems
 Radio ranging systems
 Radio repeaters
 Radio scanners
 BT COMMUNICATION EQUIPMENT
 NT CRYSTAL DETECTORS
 RADIO BEACONS
 RADIO RECEIVERS
 RADIO TRANSMITTERS
 RADIOTELEPHONES
 TRANSMITTER-RECEIVERS
 WALKIE-TALKIES
 RT RADAR
 RADIO COMMUNICATION SYSTEMS
 RADIO STATIONS
 RADIO TOWERS

RADIO FIELDS
 BT ELECTROMAGNETIC FIELDS
 ELECTROMAGNETIC WAVES
 RT RADIO BEAMS
 RADIO RECEPTION
 RADIO WAVES

RADIO HOMING
 BT GUIDANCE
 HOMING DEVICES
 TERMINAL GUIDANCE

RADIO INTERFERENCE
(Distortion of radio signals from natural causes outside the equipment. For distortion deliberately caused by transmission of conflicting signals, see RADIO JAMMING.)
 BT RADIOFREQUENCY INTERFERENCE
 RT ATMOSPHERIC INTERFERENCE ANALYZERS
 NOISE (RADIO)
 RADIO JAMMING

Radio interference analyzers
 USE INTERFERENCE ANALYZERS

RADIO INTERFEROMETERS

RADIO JAMMING
 BT ELECTROMAGNETIC WARFARE
 RT RADIO INTERFERENCE

Radio markers
 USE RADIO BEACONS

RADIO NAVIGATION
 UF Radio navigation systems
 BT NAVIGATION
 RT DOPPLER NAVIGATION
 HYPERBOLIC NAVIGATION
 RADAR NAVIGATION
 SHORAN

Radio navigation systems
 USE RADIO EQUIPMENT and RADIO NAVIGATION

Radio noise
 USE NOISE (RADIO)

RADIO OPERATORS
 BT OPERATORS (PERSONNEL)
 RT AIR TRAFFIC CONTROLLERS
 AVIATION PERSONNEL
 FLIGHT SERVICE SPECIALISTS
 MILITARY PERSONNEL

RADAR OPERATORS

RADIO PROTECTIVE AGENTS
 UF Antiradiation agents

RADIO RANGES
 BT RANGES (ESTABLISHMENTS)

Radio ranging systems
 USE RADIO EQUIPMENT and RANGE FINDING

RADIO RECEIVERS
 UF Loran receivers
 BT COMMUNICATION EQUIPMENT
 RADIO EQUIPMENT
 RADIO TRANSMITTERS
 TRANSMITTER-RECEIVERS
 WALKIE-TALKIES

RADIO RECEPTION
 NT DIVERSITY RECEPTION
 RT ANGLE OF ARRIVAL
 RADIO FIELDS

RADIO RELAY STATIONS
 BT COMMUNICATION SYSTEMS
 RADIO COMMUNICATION SYSTEMS
 RADIO STATIONS
 RT RADIO TRANSMITTERS

RADIO RELAY SYSTEMS
 UF Relay systems
 BT COMMUNICATION SYSTEMS
 RADIO COMMUNICATION SYSTEMS
 NT MICROWAVE RELAY SYSTEMS
 RT RADIO BEAMS
 RELAYS

Radio repeaters
 USE RADIO EQUIPMENT

Radio rescue buoys
 USE BUOYS and SEA RESCUE EQUIPMENT

Radio scanners
 USE RADIO EQUIPMENT and RADIO SCANNING

RADIO SCANNING
 UF Radio scanners
 BT RADIO COMMUNICATION SYSTEMS
 SCANNING
 RT ELECTRONIC SCANNERS

RADIO SIGNALS
 BT ELECTROMAGNETIC WAVES
 RADIO WAVES
 SIGNALS
 RT RADIO BEAMS

RADIO STATIONS
 BT COMMUNICATION SYSTEMS
 RADIO COMMUNICATION SYSTEMS
 NT RADIO RELAY STATIONS
 RT RADIO EQUIPMENT
 RADIO TOWERS
 RADIO TRANSMITTERS

Radio telephones
 USE RADIOTELEPHONES

RADIO TELETYPE SYSTEMS
 BT COMMUNICATION SYSTEMS
 RADIO COMMUNICATION SYSTEMS
 TELETYPE SYSTEMS
 RT FREQUENCY-SHIFT KEYS

RADIO TOWERS
 BT COMMUNICATION EQUIPMENT
 TOWERS
 RT RADIO COMMUNICATION SYSTEMS
 RADIO EQUIPMENT
 RADIO STATIONS

RADIO TRANSMISSION
 UF Glide path transmission
 BT WAVE TRANSMISSION
 NT MULTIPATH TRANSMISSION
 RT ELECTROMAGNETIC WAVES
 IONOSPHERIC PROPAGATION
 MULTIPLEX

RADIO TRANSMITTERS
 BT COMMUNICATION EQUIPMENT
 RADIO EQUIPMENT
 RT RADIO BEACONS
 RADIO RECEIVERS
 RADIO RELAY STATIONS
 RADIO STATIONS
 RADIOSONDES
 RADIOTELEPHONES
 TRANSMITTER-RECEIVERS
 WALKIE-TALKIES

RADIO WAVES
 UF Ground waves
 Radiofrequency waves

BT ELECTROMAGNETIC WAVES
 NT CARRIERS (RADIO WAVES)
 MICROWAVES
 RADIO BEAMS
 RADIO SIGNALS
 RT RADIO FIELDS

RADIOACTIVE FALLOUT
 UF Fallout
 Rainout
 BT CONTAMINATION
 RADIATION HAZARDS
 RADIOLOGICAL CONTAMINATION
 RT ATMOSPHERIC POLLUTION
 NUCLEAR EXPLOSION DAMAGE
 RADIATION EFFECTS
 RADIATION MONITORS
 RADIOBIOLOGY

RADIOACTIVE ISOTOPES
 DRUGS
 LABELED SUBSTANCES
 TRACER STUDIES

RADIOACTIVE WASTE
 BT RADIATION HAZARDS
 WASTES (INDUSTRIAL)
 RT DECONTAMINATION
 DOSE RATE
 RADIOLOGICAL CONTAMINATION

RADIOACTIVITY
 UF Units of radioactivity
 NT CARRIERS (RADIO WAVES)

RADIOBIOLOGY
 BT BIOLOGY
 BIOPHYSICS
 RT RADIATION EFFECTS
 RADIOACTIVE FALLOUT

RADIOFREQUENCY
 BT FREQUENCY
 NT C BAND
 EXTREMELY HIGH FREQUENCY
 HIGH FREQUENCY
 K BAND
 L BAND
 LOW FREQUENCY
 MEDIUM FREQUENCY
 MICROWAVE FREQUENCY
 S BAND
 SUPERHIGH FREQUENCY
 X BAND

RADIOFREQUENCY AMPLIFIERS
 BT AMPLIFIERS

RADIOFREQUENCY CABLES
 RT COAXIAL CABLES

RADIOFREQUENCY FILTERS
 BT FILTERS (ELECTROMAGNETIC WAVE)
 RT BAND-PASS FILTERS
 CRYSTAL FILTERS
 INFRARED FILTERS
 LOW-PASS FILTERS
 WAVEGUIDE FILTERS

RADIOFREQUENCY GENERATORS
 RT SWEEP GENERATORS

RADIOFREQUENCY INTERFERENCE
 UF RFI
 NT RADAR INTERFERENCE
 RADIO INTERFERENCE
 RT ATMOSPHERIC ELECTRICITY
 ATMOSPHERIC IONOSPHERIC DISTURBANCES
 MAGNETIC STORMS
 REFLECTION
 SUPPRESSORS

Radiofrequency lenses
 USE ELECTROMAGNETIC LENSES

Radiofrequency oscillations
 USE RADIOFREQUENCY OSCILLATORS

RADIOFREQUENCY OSCILLATORS
 UF Radiofrequency oscillations
 BT OSCILLATORS
 NT MICROWAVE OSCILLATORS
 RT CRYSTAL OSCILLATORS

RADIOFREQUENCY POWER
 UF Microwave power

RADIOFREQUENCY PULSES
 BT ELECTROMAGNETIC PULSES
 ELECTROMAGNETIC WAVES
 NT RADAR PULSES

RADIOFREQUENCY SPECTROSCOPY
 BT SPECTROSCOPY
 NT MICROWAVE SPECTROSCOPY
 RT FREQUENCY ANALYZERS

Radiofrequency waves
 USE RADIO WAVES

Radiographic analysis
 USE RADIOGRAPHY

RADIOGRAPHY
 UF Industrial radiography
 Radiographic analysis
 BT PHOTOGRAPHY
 NT X-RAY PHOTOGRAPHY

RADIOLOGICAL CONTAMINATION
 BT CONTAMINATION
 RADIATION HAZARDS
 NT RADIOACTIVE FALLOUT
 RT DOSE RATE
 HEALTH PHYSICS
 INSTRUMENTATION
 RADIOACTIVE WASTE

RADIOLOGICAL DOSAGE
 BT RADIATION HAZARDS
 NT DOSE RATE
 RT DOSIMETERS
 HEALTH PHYSICS
 INSTRUMENTATION
 LETHAL DOSAGE

RADIOLOGICAL WARFARE
 BT WARFARE
 RT NUCLEAR WARFARE

RADIOMETERS
 BT OPTICAL INSTRUMENTS

RADIOPROTECTIVE AGENTS
 UF Antiradiation agents
 Radioprotective drugs
 RT DRUGS
 RADIATION EFFECTS

Radioprotective drugs
 USE RADIOPROTECTIVE AGENTS

RADIOSONDES
 UF Rawinsondes
 RT ATMOSPHERIC SOUNDING
 METEOROLOGICAL BALLOONS
 METEOROLOGICAL INSTRUMENTS
 RADIO TRANSMITTERS
 TELEMETERING TRANSMITTERS

RADIOTELEPHONES
 UF Radio telephones
 BT COMMUNICATION EQUIPMENT
 RADIO EQUIPMENT
 NT WALKIE-TALKIES
 RT RADIO TRANSMITTERS

RADOMES
 UF Radar domes
 BT RADAR EQUIPMENT
 RT RADAR
 RADAR ANTENNAS

RAILROADS
 BT TRANSPORTATION

Rainbows
 USE ATMOSPHERIC REFRACTION

RAINDROPS
 BT ATMOSPHERIC CONDENSATION
 ATMOSPHERIC PRECIPITATION
 METEOROLOGICAL PHENOMENA
 RT RAINFALL
 WATER IMPINGEMENT

RAINFALL
 BT ATMOSPHERIC PRECIPITATION
 METEOROLOGICAL PARAMETERS
 RT RAINDROPS

Rainout
 USE RADIOACTIVE FALLOUT

RAMJET ENGINE NOZZLES
 BT EXHAUST NOZZLES
 NOZZLES

RAMJET ENGINES
 BT JET ENGINES
 NT TURBO-RAMJETS
 RT PULSEJET ENGINES
 TURBOJET ENGINES

RAMJET INLETS
 BT JET ENGINE INLETS

Ramjet propulsion
 USE JET PROPULSION

RAMJET TEST VEHICLES
 BT TEST VEHICLES

Random functions
 USE STATISTICAL FUNCTIONS

Random permutations
 USE PROBABILITY

Random walk
 USE NUMERICAL METHODS AND PROCEDURES

Random walk theory
 USE NUMERICAL ANALYSIS

Range
 USE RANGES (DISTANCE)

RANGE FINDERS

Range finders
 USE RANGE FINDING

RANGE FINDING
 UF Light ranging systems
 Radio ranging systems
 Range finders
 Ranging systems

RT DOPPLER SYSTEMS
 POSITION FINDING
 SOUND RANGING
 TRANSPONDERS

RANGE GATING
 BT RADAR

Range tubes
 USE HILSCH TUBES

RANGES (DISTANCE)
(Measurements of the effective operational radius of equipment or of distance from an observer to a target or obstacle.)
 UF Range

RT DETECTION
 DETECTORS
 DIRECTION FINDING
 DIRECTION FINDING SIGNALS
 DIRECTION FINDING STATIONS
 DOPPLER SYSTEMS
 HEIGHT FINDING
 MOVING-TARGET INDICATORS
 PHOTOTHEODOLITES
 PLAN POSITION INDICATORS
 POSITION FINDING
 RADAR TRACKING
 TARGET RECOGNITION
 THEODOLITES
 TRACKING

RANGES (ESTABLISHMENTS)
 UF Depurging stations
 Magnetic proving grounds

NT RADIO RANGES
 TRACKS (AERODYNAMICS)

RT LABORATORIES
 TEST FACILITIES

Ranging systems
 USE RANGE FINDING

Ranking methods
 USE STATISTICAL ANALYSIS

Ranking theory
 USE GAME THEORY

RARE EARTH COMPOUNDS
 UF Cerium compounds
 Dysprosium compounds
 Erbium compounds
 Europium compounds
 Gadolinium
 Gadolinium compounds
 Holmium compounds
 Lanthanum compounds
 Lutetium
 Lutetium compounds
 Neodymium
 Neodymium compounds
 Praseodymium
 Praseodymium compounds
 Promethium
 Promethium compounds
 Samarium compounds
 Terbium compounds
 Thulium compounds
 Ytterbium compounds

BT CHEMICAL COMPOUNDS
NT RARE EARTHS

Rare earth oxides
 USE RARE EARTHS

RARE EARTHS
 UF Rare earth oxides

BT CHEMICAL COMPOUNDS
OXIDES
RARE EARTH COMPOUNDS

Rare gases
 USE HELIUM GROUP GASES

RATE-OF-CLIMB INDICATORS
 BT FLIGHT INSTRUMENTS

RT AIRSPEED INDICATORS
 ALTIMETERS
 ATTITUDE INDICATORS
 FLIGHT SPEED INDICATORS
 HORIZONTAL INDICATORS
 STALL-WARNING INDICATORS

Rational functions
 USE FUNCTIONS

RATS
 BT ANIMALS
 MAMMALS
 RODENTS

RT MICE

Rawinsondes
 USE RADIOSONDES

Re-entry
 USE ATMOSPHERE ENTRY

Re-entry aerodynamics
 USE ATMOSPHERE ENTRY

RE-ENTRY VEHICLES
 RT SPACE CAPSULES
 SPACECRAFT

REACTION (PSYCHOLOGY)
 UF Reaction time
 Response (Psychology)

BT BEHAVIOR
RT ANXIETY
 CONDITIONED REFLEX
 EMOTIONS
 MOTIVATION
 MOTOR REACTIONS
 PSYCHOACOUSTICS
 PSYCHOLOGY

REACTION KINETICS
 UF Frequency factor
 Reaction rate
 Reaction velocity

RT CATALYSIS
 CHEMICAL REACTIONS

Reaction rate
 USE REACTION KINETICS

Reaction time
 USE REACTION (PSYCHOLOGY) and REFLEXES

Reaction velocity
 USE REACTION KINETICS

REACTOR LATTICE PARAMETERS
 RT NUCLEAR REACTORS

REACTOR POWER DENSITY
REACTOR SYSTEM COMPONENTS
 RT HEAT EXCHANGERS
 NUCLEAR REACTORS

Reactors (Atomic)
 USE NUCLEAR REACTORS

Reactors (Electrical)
 USE SATURABLE REACTORS

Reactors (Nuclear)
 USE NUCLEAR REACTORS

READING
 RT EDUCATION

READING MACHINES
(Devices which convert printed characters to electrical signals for input to data processing equipment. For devices which project microfilm images for viewing, see FILM READERS.)
 BT INPUT-OUTPUT DEVICES
 RT FILM READERS
 PATTERN RECOGNITION

Real grassman manifolds
 USE ALGEBRAIC TOPOLOGY

REASONING
 RT BEHAVIOR
 EMOTIONS
 MOTIVATION
 PSYCHOLOGY

Recall fluids
 USE HYDRAULIC FLUIDS

RECONNAISSANCE PLANES
 BT AIRCRAFT
 AIRPLANES
RT AERIAL RECONNAISSANCE

Recorders
 USE RECORDING DEVICES and RECORDING SYSTEMS

RECORDING DEVICES
 UF Flight recorders
 Recorders

NT DIGITAL RECORDING SYSTEMS
 MAGNETIC RECORDING SYSTEMS
 PHOTOGRAPHIC RECORDING SYSTEMS
 SOUND REPRODUCTION SYSTEMS
 VERTICAL-GUST RECORDERS

RT ELECTRONIC RECORDING
 SYSTEMS

RECORDING SYSTEMS
 UF Buoyancy recorders
 Recorders

NT ELECTRONIC RECORDING
 SYSTEMS
 MAGNETIC RECORDING SYSTEMS

RT CAMERAS

RECORDS
 BT DOCUMENTATION

RT CLASSIFICATION
 FLIGHT PROGRESS STRIPS
 LIBRARIES
 REPORTS

RECOVERY
RECOVERY VEHICLES
(Ground transportation devices for rescue or recovery operations.)
 UF Wreckers
 BT VEHICLES
RT CRASH VEHICLES
 FIREFIGHTING VEHICLES
 MAINTENANCE VEHICLES

RECRUITING
 RT MILITARY PERSONNEL

Rectifier nets
 USE MATHEMATICAL LOGIC

RECTIFIERS
 NT CRYSTAL RECTIFIERS
 FULL WAVE RECTIFIERS

Recursion theory
 USE MATHEMATICAL LOGIC

Recursive functionals
 USE MATHEMATICAL LOGIC

REDUCTION
 UF Area rule

REDUNDANT COMPONENTS
(Back-up parts or systems not necessary for efficient operation but available for immediate use in case of main system failure.)

REFLECTION
 RT DIFFRACTION
 DISTORTION
 ELECTROMAGNETIC WAVE
 REFLECTIONS
 FOCUSING
 LIGHT TRANSMISSION
 OPTICAL PROPERTIES
 RADIOFREQUENCY
 INTERFERENCE
 REFRACTION
 VISIBILITY

REFLECTORS
 NT MIRRORS
 RADAR CONFUSION REFLECTORS
 RADAR CORNER REFLECTORS
 RADAR REFLECTORS

REFLEXES
 UF Reaction time
 NT CONDITIONED REFLEX
 GALVANIC SKIN RESPONSE

RT NERVOUS SYSTEM

REFRACTION
 BT OPTICAL PROPERTIES
 NT ATMOSPHERIC REFRACTION
 REFRACTIVE INDEX

RT DIFFRACTION
 DISTORTION
 FOCUSING
 LIGHT TRANSMISSION
 REFLECTION
 SNELL'S LAW

REFRACTIVE INDEX
 BT OPTICAL PROPERTIES
 REFRACTION

RT ATMOSPHERIC REFRACTION
 FOCUSING
 SNELL'S LAW

REFRACTOMETERS
 BT OPTICAL INSTRUMENTS

REFRACTORY COATINGS
 UF Heat-resistant coatings
 BT COATINGS
 FINISHES & FINISHING
 HEAT-RESISTANT MATERIALS
 REFRACTORY MATERIALS
 CERAMIC COATINGS

REFRACTORY MATERIALS
(Nonmetallic ceramic substances used as structural materials at high temperatures. For metals used in similar applications, see HEAT-RESISTANT METALS AND ALLOYS.)
 UF Firebrick
 BT CERAMIC MATERIALS
 HEAT-RESISTANT MATERIALS
 NT REFRACTORY COATINGS

REFRIGERANTS
 RT COOLANTS
 COOLING & VENTILATING EQUIPMENT

REFRIGERATION SYSTEMS
 BT COOLING & VENTILATING EQUIPMENT
RT AIR CONDITIONING EQUIPMENT

THESAURUS OF FAA DESCRIPTORS

VENTILATION DUCTS

REFUELING
 UF Airplane refueling
 Fueling at sea
 Fueling in flight
 Refueling at sea

NT REFUELING IN FLIGHT
Refueling at sea
 USE REFUELING

REFUELING IN FLIGHT
 BT REFUELING

REGENERATION
Regenerative heat exchangers
 USE HEAT EXCHANGERS

Regulations
 USE LAW

REINFORCED CONCRETE
 BT CONCRETE

Reinforced flanges
 USE FLANGES

REINFORCING MATERIALS
 UF Reinforcing steel
 RT COMPOSITE MATERIALS
 FILAMENT WOUND CONSTRUCTION
 SANDWICH CONSTRUCTION
 STRUCTURAL PARTS

Reinforcing steel
 USE REINFORCING MATERIALS

RELAXATION OSCILLATORS
(Includes oscillators with nonsinusoidal output.)
 BT OSCILLATORS
 RT ELECTRON TUBES
 TRIGGER CIRCUITS

RELAXATION TIME
(The time-measurable approach to equilibrium, frequently exponential, in response to an abrupt change of forces in material phenomena.)

Relay systems
 USE RADIO RELAY SYSTEMS

RELAYS
 NT ELECTRIC RELAYS
 ELECTRONIC RELAYS
 RT ELECTRIC SWITCHES
 RADIO RELAY SYSTEMS

Release mechanisms (pad)
 USE EXPLOSIVE ACTUATORS

RELIABILITY
 RT QUALITY CONTROL

Reluctance
 USE ELECTROMAGNETIC PROPERTIES

REMOTE CONTROL SYSTEMS
 UF Radar remoting

Remover cartridges
 USE CARTRIDGES (PAD)

Removers (pad)
 USE EXPLOSIVE ACTUATORS

Renal hemodynamics
 USE BLOOD CIRCULATION and KIDNEYS

Renewal process
 USE STATISTICAL PROCESSES

Renewal theorem
 USE PROBABILITY

Repair
 USE MAINTENANCE

REPORTS
 UF Scientific reports
 BT DOCUMENTATION
 RT ABSTRACTS
 BIBLIOGRAPHIES
 CLASSIFICATION
 LIBRARIES
 MILITARY PUBLICATIONS
 RECORDS

Representation (Mathematics)
 USE CONFORMAL MAPPING

REPRODUCTION
REPRODUCTIVE SYSTEM
 RT SEX

RESCUE BEACONS
 BT BEACONS
 NT AIR-SEA RESCUE BEACONS
 RT SEA RESCUE EQUIPMENT

RESCUES
 NT AIR-SEA RESCUER
 SEA RESCUES

RT ACCIDENTS
 SAFETY
 SURVIVAL

RESEARCH PLANES
 BT AIRCRAFT

RESEARCH PLANES (Con.)
 AIRPLANES
RESEARCH PROGRAM ADMINISTRATION
 RT ARMED FORCES RESEARCH ENGINEERING
 INDUSTRIAL RESEARCH
 MEDICAL RESEARCH
 OPERATIONS RESEARCH
 SCIENTIFIC ORGANIZATIONS
 SCIENTIFIC RESEARCH
Reservoirs (Pneumatic)
 USE PNEUMATIC DEVICES
Resins
 USE PLASTICS
RESISTANCE (ELECTRICAL)
 UF Resistivity
 BT ELECTRICAL PROPERTIES
 RT DIELECTRIC PROPERTIES
 DIELECTRICS
 ELECTRIC INSULATION
 ELECTRICAL CONDUCTANCE
 PHOTOCONDUCTIVITY
 SUPERCONDUCTIVITY
RESISTANCE THERMOMETERS
 BT METERS
 THERMOMETERS
 RT BOLMETERS
 VORTEX THERMOMETERS
Resistivity
 USE RESISTANCE (ELECTRICAL)
RESISTORS
 NT THERMISTORS
RESOLUTION
 BT OPTICAL PROPERTIES
RESONANCE
 BT MOTION
 RT ACOUSTIC PROPERTIES
 DAMPING
 OSCILLATION
 VIBRATION
RESONANCE ABSORPTION
 RT ABSORPTION
RESONATORS
 NT CAVITY RESONATORS
 QUARTZ RESONATORS
 RT ELECTRON TUBES
 MAGNETRONS
 OSCILLATORS
RESPIRATION
 UF Breathing
 Dyspnea
 NT PRESSURE BREATHING
 RT ARTIFICIAL RESPIRATION
 OXYGEN CONSUMPTION
Respiratory diseases
 USE DISEASES
 and RESPIRATORY SYSTEM
RESPIRATORY SYSTEMS
 UF Bronchi
 Bronchiectasis
 Respiratory diseases
 Trachea
 NT LUNGS
 RT BODY
 THROAT
RESPONSE
Response (Psychology)
 USE REACTION (PSYCHOLOGY)
Response surfaces
 USE COMBINATORIAL ANALYSIS
Restricted occupancy
 USE PROBABILITY
Resumes
 USE ABSTRACTS
Resuscitation
 USE ARTIFICIAL RESPIRATION
Reticulocytes
 USE ERYTHROCYTES
RETICULOENDOTHELIAL SYSTEM
 RT EOSINOPHILS
 ERYTHROCYTES
 LEUKOCYTES
 SPLEEN
RETINA
 BT EYE
Reverse thrust
 USE THRUST REVERSE
REVIEWS
 UF State-of-the-art studies
 RT DOCUMENTATION
REYNOLDS NUMBER
 UF Reynolds number effects

BT FLUID DYNAMIC PROPERTIES
Reynolds number effects
 USE REYNOLDS NUMBER
RFI
 USE RADIOFREQUENCY INTERFERENCE
Rh blood factor
 USE BLOOD GROUPS
Rhodophyta
 USE ALGAE
RIBBON PARACHUTES
 BT PARACHUTES
Riboflavin
 USE VITAMIN B COMPLEX
RIBONUCLEIC ACIDS
 UF RNA
 BT NUCLEIC ACID
 RT NUCLEOSIDES
 NUCLEOTIDES
Ribonucleotides
 USE NUCLEOTIDES
Ribs
 USE THORAX
Riccati equation
 USE DIFFERENTIAL EQUATIONS
Richardson's method
 USE NUMERICAL METHODS AND PROCEDURES
Riemann invariants
 USE PARTIAL DIFFERENTIAL EQUATIONS
Riemannian space
 USE ALGEBRAIC TOPOLOGY
Riemann's functional equation
 USE EQUATIONS
Riesz integrals
 USE INTEGRALS
Riesz transform
 USE SERIES
Ring domains
 USE ALGEBRA
Ring functions
 USE FUNCTIONS
RING WINGS
 UF Annular wings
 BT AERODYNAMIC CONFIGURATIONS
 WINGS
 RT SHROUD RINGS
RINGS
 UF Circles
 BT BODIES OF REVOLUTION
 GEOMETRIC FORMS
 RT DISKS
Risk theory
 USE PROBABILITY
River models
 USE HYDRAULIC MODELS
RIVETED JOINTS
 BT JOINTS
 RT BOLTED JOINTS
 METAL JOINTS
 RIVETS
RIVETS
 BT LOCKING FASTENER DEVICES
 MECHANICAL FASTENERS
 RT RIVETED JOINTS
RNA
 USE RIBONUCLEIC ACIDS
Road sanders
 USE ROAD-BUILDING EQUIPMENT
ROAD-BUILDING EQUIPMENT
 UF Road sanders
ROADS
 NT SNOW ROADS
Robbins-Monro process
 USE STATISTICAL PROCESSES
ROCK (GEOLOGY)
 UF Stones
 NT CLAY
 GRAVEL
 LIMESTONE
 SAND
 RT MINERAL PRODUCTS
 QUARTZ
 SILT
 SOILS
Rocket engines
 USE ROCKET MOTORS
Rocket helicopter rotors
 USE JET HELICOPTER ROTORS
ROCKET MODELS
 BT AERODYNAMIC CONFIGURATIONS
 MODELS (SIMULATIONS)
 RT AIRPLANE MODELS

WIND TUNNEL MODELS
ROCKET MOTOR NOISE
 BT ENGINE NOISE
 NOISE
ROCKET MOTOR NOZZLES
 BT NOZZLES
 NT ANNULAR NOZZLES
 CONVERGENT-DIVERGENT NOZZLES
 CONVERGENT-DIVERGENT NOZZLES
 PLUG NOZZLES
 RT CONICAL NOZZLES
 EXHAUST NOZZLES
 THRUST AUGMENTOR NOZZLES
ROCKET MOTORS
 UF Rocket engines
 NT BOOSTER ROCKETS
 ROCKET MOTORS (LIQUID PROPELLANT)
 ROCKET MOTORS (SOLID PROPELLANT)
 SOLAR ROCKETS
 RT AIRPLANE ENGINES
 JET ENGINES
 LAUNCH VEHICLES
 LAUNCH VEHICLES (AEROSPACE)
 PROPULSION
ROCKET MOTORS (LIQUID PROPELLANT)
 BT ROCKET MOTORS
ROCKET MOTORS (SOLID PROPELLANT)
 BT ROCKET MOTORS
ROCKET PLANES
 BT AIRCRAFT
 AIRPLANES
ROCKET PROPELLANTS
 BT PROPELLANTS
 NT LIQUID ROCKET PROPELLANTS
ROCKET PROPULSION
 RT PROPULSION
 RT BOOSTER ROCKETS
 ELECTRIC PROPULSION
 NUCLEAR PROPULSION
ROCKET-PROPELLED SLEDS
 UF Track test vehicles
 BT TEST VEHICLES
 RT SLEDS
 TRACKS (AERODYNAMICS)
ROCKETS
 (Unmanned, self-propelled vehicles with or without a warhead whose trajectory or course cannot be altered after launch)
 RT LAUNCHING
 PROJECTILES
 WEAPONS
RODENTS
 UF Dipodomys
 Guinea pigs
 Hamsters
 Kangaroo rats
 Muskrats
 Squirrels
 BT ANIMALS
 MAMMALS
 NT MICE
 RATS
RODS
 UF Bars
 BT STRUCTURAL PARTS
Röntgen rays
 USE X RAYS
Rogallo wings
 USE PARAWINGS
ROLL
 BT MOTION
 RT FLIGHT CHARACTERISTICS
ROLLER BEARINGS
 UF Needle bearings
 BT ANTI-FRICTION BEARINGS
 BEARINGS
 RT AIRFRAME BEARINGS
 BALL BEARINGS
Rolling contact bearings
 USE ANTI-FRICTION BEARINGS
Rope
 USE CORDAGE
Rorschach test
 USE PROJECTIVE TECHNIQUES
ROTARY COMPRESSORS
 BT COMPRESSORS
 RT AXIAL-FLOW COMPRESSORS
 CENTRIFUGAL COMPRESSORS
 HIGH-PRESSURE COMPRESSORS

ROTARY SEALS
 BT SEALS (STOPPERS)
 RT FUEL SEALS
 GAS SEALS
 PLASTIC SEALS
ROTARY SWITCHES
 BT ELECTRIC SWITCHES
 RT CHANNEL SELECTORS
 TRANSFER SWITCHES
ROTARY WINGS
 UF Rotors (Rotary wing)
 BT AERODYNAMIC CONFIGURATIONS
 WINGS
 NT AUTOGYRO ROTORS
 HELICOPTER ROTORS
 JET HELICOPTER ROTORS
 TAIL HELICOPTER ROTORS
 RT ROTOR BLADES (ROTARY WINGS)
 ROTORCHUTES
Rotatable designs
 USE COMBINATORIAL ANALYSIS
ROTATION
 BT MOTION
 NT SPIN
Rotational flow
 USE VORTICES
Rotofoil parachutes
 USE ROTORCHUTES
ROTOR BLADES (ROTARY WINGS)
 UF Autogyro rotor blades
 Helicopter blades
 BT AERODYNAMIC CONFIGURATIONS
 RT AUTOGYRO ROTORS
 BLADE AIRFOILS
 HELICOPTER ROTORS
 PROPELLER BLADES
 PROPELLERS (AERIAL)
 ROTARY WINGS
 TAIL HELICOPTER ROTORS
ROTOR BLADES (TURBOMACHINERY)
 UF Turbosupercharger blades
 RT COMPRESSOR BLADES
 IMPELLERS
 TURBINE BLADES
ROTOR HUBS
 RT PROPELLER HUBS
Rotor-attitude indicators
 USE ATTITUDE INDICATORS
ROTORCHUTES
 UF Rotofoil parachutes
 RT PARACHUTES
 PROPELLERS (AERIAL)
 ROTARY WINGS
Rotors (Impellers)
 USE IMPELLERS
Rotors (Rotary wing)
 USE ROTARY WINGS
Roughness
 USE SURFACE PROPERTIES
Routes
 USE AIR ROUTES
RUBBER
 (Natural rubber, latex, and its vulcanizates and products)
 UF Natural rubber
 Rubber latex
 BT ELASTOMERS
 RT SYNTHETIC RUBBER
RUBBER COATINGS
 UF Rubber-coating materials
 BT COATINGS
 FINISHES & FINISHING
 ORGANIC COATINGS
Rubber latex
 USE RUBBER
Rubber plugs
 USE RUBBER SEALS
RUBBER SEALS
 UF Rubber plugs
 BT SEALS (STOPPERS)
 RT FUEL SEALS
 GAS SEALS
Rubber-coating materials
 USE RUBBER COATINGS
RUBY
 UF Ruby (Synthetic)
 BT CORUNDUM
 MINERAL PRODUCTS
Ruby (Synthetic)
 USE RUBY
Rudder tabs
 USE TRIM TABS
Rudders (Aerial)
 USE AERIAL RUDDERS

Rugs
 USE FLOOR COVERINGS
Runge Kutts method
 USE NUMERICAL METHODS AND PROCEDURES
RUNUP
(Operation of jet aircraft engine on the ground for any purpose.)
Runway lights
 USE MARKER LIGHTS and RUNWAYS
RUNWAYS
 UF Distance-to-go-markers
 Runway lights
 BT TERMINAL FLIGHT FACILITIES
 RT APRONS
 LANDING AIDS
 LANDING FIELDS
 LANDING MATS
 TAXIWAYS
 TOUCHDOWN
RUPTURE
 UF Burst
 BT FAILURE (MECHANICS)
 MECHANICAL PROPERTIES
Rust prevention
 USE CORROSION INHIBITION

S

S BAND
(1550 to 5200 mc.)
 BT FREQUENCY
 MICROWAVE FREQUENCY
 RADIOFREQUENCY
 RT C BAND
Saccharomyces
 USE YEASTS
SAFETY
 UF Safety engineering
 Safety measures
 NT AVIATION SAFETY
 FIRE SAFETY
 RT ACCIDENTS
 HAZARDS
 MOTOR VEHICLE ACCIDENTS
 RESCUES
 WARNING SYSTEMS
Safety belts
 USE SAFETY HARNESS
SAFETY DEVICES
 NT SAFETY HARNESS
Safety engineering
 USE SAFETY
SAFETY HARNESS
 UF Safety belts
 Seat belts
 BT SAFETY DEVICES
Safety measures
 USE SAFETY
Sailors
 USE NAVAL PERSONNEL
Sailplanes
 USE GLIDERS
Salaries
 USE WAGES
Soft water soaps
 USE SOAPS
Samarium compounds
 USE RARE EARTH COMPOUNDS
SAMPLERS
 UF Impingers
 Sampling apparatus
 RT COUNTING METHODS
SAMPLING
 UF Lieberman-Solomon multilevel
 Poisson sampling
Sampling (Industrial)
 USE QUALITY CONTROL
Sampling apparatus
 USE SAMPLERS
SAND
 BT ROCK (GEOLOGY)
 SOILS
Sand casting
 USE CASTING

SANDWICH CONSTRUCTION

RT LAMINATED PLASTICS
 PLYWOOD
 REINFORCING MATERIALS
 SANDWICH PANELS
SANDWICH PANELS
 BT PANELS (STRUCTURAL)
 STRUCTURAL PARTS
 RT AIRPLANE PANELS
 HONEYCOMB CORES
 SANDWICH CONSTRUCTION
Sarcoma
 USE CANCER
SATELLITE ANTENNAS
 BT ANTENNAS
 RT RADAR ANTENNAS
SATELLITE ATTITUDE
SATELLITE NETWORKS
 RT SATELLITES (ARTIFICIAL)
SATELLITES (ARTIFICIAL)
 BT SPACECRAFT
 NT COMMUNICATION SATELLITES
 (ACTIVE)
 COMMUNICATION SATELLITES
 (PASSIVE)
 METEOROLOGICAL SATELLITES
 NAVIGATION SATELLITE
 RT SATELLITE NETWORKS
SATURABLE REACTORS
 UF Reactors (Electrical)
 Saturable transformers
 Saturable-core reactors
 BT TRANSFORMERS
 RT MAGNETIC AMPLIFIERS
 MAGNETIC CORES
 POWER TRANSFORMERS
Saturable transformers
 USE SATURABLE REACTORS
Saturable-core reactors
 USE SATURABLE REACTORS
SCALE
Scale theory
 USE STATISTICAL ANALYSIS
SCALERS
 UF Scaling circuits
 BT CIRCUITS
 RT COUNTING METHODS
 RADIATION MEASUREMENT
 SYSTEMS
Scales
 USE BALANCES
Scaling (Psychology)
 USE PSYCHOMETRICS
Scaling circuits
 USE SCALERS
Scanners
 USE SCANNING
SCANNING
 UF Scanners
 NT ELECTRONIC SCANNERS
 RADAR SCANNING
 RADIO SCANNING
SCATTERING
(Random dispersion over a comparatively wide area, as of aerosol particles, ammunition fragments, or beams of radiation. For the process of intermingling of molecules as the result of thermal agitation or differences in concentration, see DIFFUSION.)
 RT DIFFUSION
Scattering operator
 USE OPERATORS (MATHEMATICS)
SCHEDULING
 UF Occupancy theory
Schlicht functions
 USE FUNCTIONS
SCHLIEREN PHOTOGRAPHY
 BT PHOTOGRAPHY
 RT INTERFEROMETERS
Schmidt theory
 USE INTEGRAL EQUATIONS
Schwartz, theory
 USE DISTRIBUTION THEORY
Scientific intelligence
 USE TECHNOLOGICAL INTELLIGENCE
SCIENTIFIC ORGANIZATIONS
 UF Organizations (Scientific)
 RT ARMED FORCES RESEARCH
 INDUSTRIAL RESEARCH
 MEDICAL RESEARCH
 RESEARCH PROGRAM
 ADMINISTRATION

SCIENTIFIC RESEARCH
SCIENTIFIC PERSONNEL
 BT PROFESSIONAL PERSONNEL
 RT AVIATION PERSONNEL
 ENGINEERING PERSONNEL
 GOVERNMENT EMPLOYEES
 INSTRUCTORS
 MEDICAL PERSONNEL
 MILITARY PERSONNEL
Scientific reports
 USE REPORTS
SCIENTIFIC RESEARCH
 NT AERONAUTICS
 ELECTRONICS
 HIGH-PRESSURE RESEARCH
 HIGH-TEMPERATURE RESEARCH
 LOW-PRESSURE RESEARCH
 LOW-TEMPERATURE RESEARCH
 RT ARMED FORCES RESEARCH
 CHEMISTRY
 ENGINEERING
 INDUSTRIAL RESEARCH
 MATHEMATICS
 MEDICAL RESEARCH
 OPERATIONS RESEARCH
 PHYSICS
 RESEARCH PROGRAM
 ADMINISTRATION
 SCIENTIFIC ORGANIZATIONS
Scoops (Aerodynamics)
 USE DUCT INLETS
Scoops (Engines)
 USE AIR SCOOPS
Scout bombers
 USE PATROL BOMBERS
Scout planes
 USE PATROL PLANES
Screens (Viewing)
 USE VIEWING SCREENS
SCREWS
 BT MECHANICAL FASTENERS
Scuba
 USE BREATHING APPARATUS
SCURRY FUELS
 RT JET ENGINE FUELS
SEA BREEZE
 BT ATMOSPHERIC MOTION
 METEOROLOGICAL PHENOMENA
 WIND
 RT MARINE METEOROLOGY
SEA RESCUE EQUIPMENT
 UF Radio rescue buoys
 Submarine rescue chambers
 NT LIFE PRESERVERS
 LIFE RAFTS
 RT AIR-SEA RESCUES
 RESCUE BEACONS
 SURVIVAL
 SURVIVAL KITS
SEA RESCUES
 BT RESCUES
 NT AIR SEA RESCUES
 RT DITCHING
 SURVIVAL
Sea sickness
 USE MOTION SICKNESS
SEA WATER
 BT WATER
 RT OCEANS
SEALING COMPOUNDS
 UF Calking compounds
 BT ADHESIVES
 RT BITUMINOUS COATINGS
 SEALS (STOPPERS)
 TAR
SEALS (STOPPERS)
 UF Packings (Seals)
 NT GEL SEALS
 GAS SEALS
 METAL SEALS
 PLASTIC SEALS
 ROTARY SEALS
 RUBBER SEALS
 VACUUM SEALS
 RT ADHESIVES
 SEALING COMPOUNDS
SEAPLANE FLOATS
 UF Pramatic floats
 BT AIRCRAFT EQUIPMENT
 FLOATS
 HYDRODYNAMIC
 CONFIGURATIONS
 HYDROFOLLS
 LANDING GEAR
 PLANING SURFACES
 RT AIRCRAFT PROTECTOR DEVICES

HYDRO-SKIS
SEAPLANES
 BT AIRCRAFT
 AIRPLANES
 WATER-LAUNCHED AIRPLANES
 RT AMPHIBIAN PLANES
 FLYING BOATS
SEARCH RADAR
 UF Search radar antennas
 Search radar pulses
 Search radar receivers
 Search radar scanners
 Surveillance radar
 BT RADAR
 RT AIRPORT RADAR SYSTEMS
 RADAR STATION
Search radar antennas
 USE RADAR ANTENNAS
 and SEARCH RADAR
Search radar pulses
 USE RADAR ANTENNAS
 and SEARCH RADAR
Search radar receivers
 USE RADAR RECEIVERS
 and SEARCH RADAR
Search radar scanners
 USE RADAR EQUIPMENT
 and RADAR SCANNING
 and SEARCH RADAR
SEARCH THEORY
(Operations research techniques developed for use in the study of ways to minimize the effort required to locate an object.)
 RT OPERATIONS RESEARCH
Searchlight shutters
 USE SEARCHLIGHTS
SEARCHLIGHTS
 UF Searchlight shutters
 BT LIGHTING EQUIPMENT
 RT FLOODLIGHTS
SEASONAL VARIATIONS
 BT PERIODIC VARIATIONS
 RT DIURNAL VARIATIONS
Seat belts
 USE SAFETY HARNESS
SEATS
 UF Vehicle seats
Seaweed
 USE ALGAE
Second-order prediction
 USE MATHEMATICAL PREDICTION
SECONDARY EMISSION
 UF Secondary emitters
 RT ELECTRON BOMBARDMENT
 FIELD EMISSION
 PHOTOMULTIPLIERS
 THERMIONIC EMISSION
Secondary emitters
 USE SECONDARY EMISSION
Sector control
 USE ATC TERMINAL AREAS
Secular equations
 USE EQUATIONS
SEDIMENTARY ROCK
 RT SILT
SEEDS
 RT POLLEN
SEISMIC WAVES
 BT MECHANICAL WAVES
 RT SHOCK WAVES
SELECTION
Selectors (Channel)
 USE CHANNEL SELECTORS
SELENIDES
 BT CHEMICAL COMPOUNDS
Self-adaptive control systems
 USE ADAPTIVE CONTROL SYSTEMS
Self-ignition
 USE AUTOIGNITION
Self-locking fasteners
 USE LOCKING FASTENER DEVICES
Self-locking nuts
 USE LOCKING FASTENER DEVICES
SELF-SEALING COUPLINGS
 BT COUPLINGS
 FITTINGS
 RT FLEXIBLE COUPLINGS
 HOSE FITTINGS
 HYDRAULIC COUPLINGS
Selys
 USE SYNCHROS
Semi-lattices
 USE ALGEBRA

SEMICIRCULAR CANALS
 BT EAR
 VESTIBULAR APPARATUS

SEMICONDUCTING FILMS
 BT FILMS
 RT THIN FILMS (STORAGE DEVICES)

SEMICONDUCTOR DEVICES
 NT DIODES (SEMICONDUCTORS)
 TRANSISTORS
 TUNNEL DIODES
 VARACTOR DIODES

RT DIODES
 ELECTRON TUBE PARTS
 ELECTRON TUBES
 OSCILLATORS

SEMICONDUCTORS
 RT CRYOGENIC STORAGE DEVICES
 ELECTRICAL CONDUCTANCE
 ELECTROLUMINESCENCE

Seminars
 USE SYMPOSIA

Senescence
 USE AGING (PHYSIOLOGY)

Sensation
 USE SENSORY MECHANISMS

SENSE ORGANS
 RT AUTONOMIC NERVOUS SYSTEM
 BODY
 BRAIN
 NERVE CELLS
 NERVES

SENSING ELEMENTS
 UF Sensors

SENSITIVITY
Sensitivity experiments
 USE STATISTICAL ANALYSIS

Sensitization
 USE ANTIGEN-ANTIBODY REACTIONS

Sensors
 USE SENSING ELEMENTS

SENSORY DEPRIVATION
 BT STRESS (PSYCHOLOGY)
 RT ABNORMAL PSYCHOLOGY
 CONFINED ENVIRONMENTS
 PSYCHOLOGY

SENSORY MECHANISMS
 UF Intersensory perception
 Sensation
 Sensory perception

BT PERCEPTION
 HEARING
 PAIN
 PROPRIOCEPTION
 SMELL
 SPACE PERCEPTION
 TOUCH
 VISION

RT ACUITY
 THRESHOLDS (PHYSIOLOGY)

Sensory perception
 USE SENSORY MECHANISMS

SEPARATION
(For industrial and laboratory processes see MATERIAL SEPARATION)

SEQUENCES
 UF Binary sequences

SEQUENTIAL ANALYSIS
 UF Sequential determination

Sequential determination
 USE SEQUENTIAL ANALYSIS

SERIES
 UF Airy series
 Asymptotic expansion
 Asymptotic series
 Cauchy points
 Cauchy product
 Cesaro transform
 Dirichlet series
 Eigenfunction series
 Eisenstein series
 Jacobi series
 Lambert series
 Legendre expansions
 Lototsky method
 Norlund means
 Norlund methods
 Riesz transform
 Series expansions
 Tauberian series
 Tauberian theorem

Series expansions
 USE SERIES

Serum proteins
 USE BLOOD PROTEINS

SERVO AMPLIFIERS
 UF Control amplifiers
 BT AMPLIFIERS
 USE SERVOMECHANISMS

Servo control valves
 USE SERVOMECHANISMS

SERVOMECHANISMS
 UF Servo control valves
 Torque amplifiers

NT HYDRAULIC SERVOMECHANISMS
 PNEUMATIC SERVOMECHANISMS
 SERVOMOTORS

RT ACTUATORS
 SYNCHROS

SERVOMOTORS
 BT SERVOMECHANISMS
 RT HYDRAULIC SERVOMECHANISMS
 PNEUMATIC SERVOMECHANISMS

SEX
 RT BIOLOGY
 REPRODUCTIVE SYSTEM

SEX GLANDS
 UF Gonads
 Ovaries
 Testes

BT GLANDS
 RT ENDOCRINE GLANDS
 HORMONES

SEXTANTS
 BT POSITION FINDING
 RT DIRECTION FINDING

Sferics
 USE ATMOSPHERICS

SHAFTS
 BT ENGINE STRUCTURES
 NT DRIVE SHAFTS

SHEAR STRESSES
 BT MECHANICAL PROPERTIES
 STRESSES
 RT THERMAL STRESSES

Sheep
 USE MAMMALS

SHEETS
 RT FOILS
 METAL PLATES
 PANELS (STRUCTURAL)

SHELTERS
(Structures that afford protection against specific weapons or against natural phenomena.)
 UF Air raid shelters
 Battle shelters
 Bomb shelters
 BUILDINGS
 UNDERGROUND STRUCTURES

SHIELDING
(A body of material that prevents the passage of ionizing radiation.)
 RT ABSORPTION
 ELECTROMAGNETIC SHIELDING
 HEAT SHIELDS

SHIP AUXILIARY EQUIPMENT
 RT HATCHES
 NETS
 UNDERWATER EQUIPMENT

Ship drones
 USE DRONES

SHIP STRUCTURAL COMPONENTS
 NT HATCHES

SHIPBORNE

Shipping
 USE TRANSPORTATION

SHIPS
 NT SHIPS (NON MILITARY)

SHIPS (NON MILITARY)
 BT SHIPS

SHIVERING
 RT BODY TEMPERATURE

SHOCK (MECHANICS)
(Transient motion in mechanical systems characterized by suddenness and by significant relative displacements. For studies of the effects of these displacements their transmission propagation etc see SHOCK WAVES.)
 NT IMPACT SHOCK
 RT LANDING IMPACT
 MOTION

SHOCK (PATHOLOGY)
 UF Blood circulation insufficiency

Hemorrhagic shock
 Surgical shock
 Traumatic shock

RT CONCUSSION
 HEMORRHAGE
 STRESS (PHYSIOLOGY)
 SURGERY
 WOUNDS & INJURIES

SHOCK RESISTANCE
 BT MECHANICAL PROPERTIES
 RT BRITTLENESS

SHOCK TUBES
 RT HYPERSONIC WIND TUNNELS
 SHOCK WAVES

SHOCK WAVES
 UF Compression shock
 Explosion waves (Shock)

BT EXPLOSION EFFECTS
 MECHANICAL WAVES

RT BLAST
 GUST LOADS
 SEISMIC WAVES
 SHOCK TUBES

SHORAN
 BT NAVIGATION
 RT HYPERBOLIC NAVIGATION
 POSITION FINDING
 RADIO NAVIGATION

SHORT TAKE-OFF PLANES
 UF STOL
 BT AIRCRAFT
 AIRPLANES

NT CONVERTIBLE AIRPLANES
 VERTICAL TAKE-OFF PLANES

RT AUTOGYROS
 FLYING PLATFORMS
 HELICOPTERS

Short wave therapy
 USE ELECTROTHERAPY

Shoulder
 USE ARMS
 and JOINTS (PHYSIOLOGY)

Shrimps
 USE CRUSTACEA

Shroud lines
 USE CORDAGE

SHROUD RINGS
 UF Propeller shrouds
 Shrouds (Annular)

NT SHROUDED PROPELLERS
 RT RING WINGS

SHROUDED PROPELLERS
 UF Ducted propellers (Ext shroud)
 BT SHROUD RINGS
 RT DUCTED FANS
 PROPELLERS (AERIAL)

Shrouds (Annular)
 USE SHROUD RINGS

Shwartzman phenomenon
 USE ALLERGY

Side lobe suppressors
 USE ANTENNA LOBES
 and SUPPRESSORS

SIDE-LOOKING RADAR
 BT RADAR

SIDEBANDS
 RT AMPLITUDE MODULATION

SIDELIP
(Motion of an aircraft in which a relative flow of air moves along the lateral axis especially a downward slip along the lateral axis of an airplane when its wings are sharply banked the slip being in reaction to gravity.)
 BT FLIGHT
 RT CRAB

Sierpinski curve
 USE TOPOLOGY

Sight
 USE VISION

SIGHTS
 UF Gun-bomb-rocket sights
 NT OPTICAL SIGHTS

Sigmoid colon
 USE INTESTINES

SIGNAL GENERATORS
 BT TEST EQUIPMENT
 (ELECTRONICS)

SIGNAL LIGHTS
 UF Lights (Signals)
 BT SIGNALS
 NT IDENTIFICATION LIGHTS
 INDICATOR LIGHTS
 RT APPROACH LIGHTS

BEACON LIGHTS
 FLARES
 FLASHLIGHTS
 LIGHTING EQUIPMENT
 MARKER LIGHTS
 NAVIGATIONAL LIGHTS
 STROBE LIGHTS

SIGNAL-TO-NOISE RATIO
Signalling mirrors
 USE MIRRORS

SIGNALS
(General concepts regarding the conveyance or transmission of information, whether by visible, audible, electronic, or other means.)
 UF Drift signals
 NT DIRECTION FINDING SIGNALS
 DISTRESS SIGNALS
 IDENTIFICATION LIGHTS
 RADAR SIGNALS
 RADIO SIGNALS
 SIGNAL LIGHTS
 SOUND SIGNALS
 TELEGRAPH SIGNALS
 VIDEO SIGNALS
 VISUAL SIGNALS

RT BEACONS
 COMMUNICATION SYSTEMS
 FLARES
 PYROTECHNICS
 SMOKES

SILANES
 BT SILICON COMPOUNDS

SILICATES
 RT SILICON COMPOUNDS

SILICIC ACIDS
 BT CHEMICAL COMPOUNDS
 INORGANIC COMPOUNDS

SILICIDES
 RT SILICON COMPOUNDS

SILICON
 BT NON-METALS

SILICON COMPOUNDS
 NT SILANES
 SILOXANES
 RT SILICATES
 SILICIDES

SILICONE PLASTICS
 UF Silicone polymers
 Silicone resins
 BT PLASTICS
 THERMOSETTING PLASTICS

Silicone polymers
 USE SILICONE PLASTICS

Silicone resins
 USE SILICONE PLASTICS

SILICONES

SILK
 BT TEXTILES
 RT PARACHUTE FABRICS

SILOXANES
 BT SILICON COMPOUNDS

SILT
 BT SOILS
 RT ROCK (GEOLOGY)
 SEDIMENTARY ROCK

SILVER ALLOYS
 BT ALLOYS

SILVER SOLDERS
 UF Brazing alloys
 BT SOLDERING ALLOYS

SIMULATION
 UF Simulators
 NT ANTENNA SIMULATORS
 CONTROL SIMULATORS
 FLIGHT SIMULATORS
 FLUTTER SIMULATORS
 GUIDED MISSILE SIMULATOR
 RADAR TARGET POSITION
 SIMULATORS
 SUBMARINE SIMULATORS

RT COMPUTERS
 HYDRAULIC MODELS
 MODEL TESTS
 MODELS (SIMULATIONS)
 SPECIAL PURPOSE COMPUTERS
 TRAINING DEVICES

Simulators
 USE SIMULATION

SINGLE CRYSTALS
 BT CRYSTALS
 RT GRAIN STRUCTURES
 (METALLURGY)
 MARTENSITE

SINGLE SIDEBAND COMMUNICATION SYSTEM
BT COMMUNICATION SYSTEMS
RADIO COMMUNICATION SYSTEMS

Sinking
USE DESCENT

Sintered cathodes
USE CATHODES (ELECTRON TUBES)

SINTERING
UF Fresh entering
BT MATERIAL FORMING

SITE SELECTION
(Location selected for placement of equipment or facilities; as well as process of selection)
RT INDUSTRIAL PLANTS
MILITARY FACILITIES

SKELETON
BT MUSCULOSKELETAL SYSTEM
RT BONE
JOINTS (PHYSIOLOGY)
SPINAL COLUMN
TISSUES (BIOLOGY)

Ski landing gear
USE LANDING GEAR
and SKIS

Skids
USE LANDING GEAR

SKIN
RT TISSUES (BIOLOGY)

SKIS
(Excludes HYDRO-SKIS)
UF Ski landing gear

Skull
USE HEAD

SKY BRIGHTNESS
UF Airglow
RT ALMORAE
LIGHT TRANSMISSION
TWILIGHT

SLAGS
BT WASTES (INDUSTRIAL)
RT METALLURGY

Slant airways
USE AIRWAYS

Sledges
USE SLEDS

SLEDS
UF Sledges
BT VEHICLES
RT CARGO VEHICLES
PASSENGER VEHICLES
ROCKET-PROPELLED SLEDS
SNOW VEHICLES
TOWED VEHICLES

SLEEP
RT HIBERNATION

SLENDER WINGS
(Aircraft wings with a high aspect ratio)
BT WINGS

Slings a problem
USE STATISTICAL ANALYSIS

SLIPSTREAM
(Turbulent flow of air driven backward by propellers)
BT WAKE
RT DOWNWASH
TURBULENCE
VORTICES

SLOSHING
(The splashing of a liquid fuel in its tank)
UF Fuel sloshing
Propellant sloshing

SLOT ANTENNAS
UF Flush-mounted antennas
BT ANTENNA CONFIGURATIONS
ANTENNAS
RT WAVEGUIDE SLOTS

Slots (Aerodynamic)
USE AERODYNAMIC SLOTS

SLOTTED FLAPS
BT AERODYNAMIC CONFIGURATIONS
AERODYNAMIC CONTROL SURFACES
AERODYNAMIC SLOTS
CONTROL SURFACES
FLAPS
TRAILING CONTROL SURFACES
RT AIR BRAKE FLAPS
ELEVATORS

SPLIT FLAPS

Slow motion cameras
USE MOTION-PICTURE CAMERAS

FLUSH
RT SNOW
WATER

SMALL TOOLS
RT DIES
DRILLING MACHINES
MAINTENANCE EQUIPMENT

SMELL
UF Olfactory thresholds
BT PERCEPTION
SENSORY MECHANISMS
RT NOSE

Smirnov moments
USE STATISTICAL ANALYSIS

Smirnov statistics
USE STATISTICAL ANALYSIS

SMOKES
UF Oil smokes
Tobacco smokes
BT COLLOIDS
RT AEROSOLS
ATMOSPHERIC POLLUTION
PARTICLES
PYROTECHNICS
SIGNALS
WASTE GASES

Smoothing data
USE NUMERICAL ANALYSIS

SNELL'S LAW
BT OPTICAL PROPERTIES
RT LIGHT TRANSMISSION
REFRACTION
REFRACTIVE INDEX

SNOW
BT ATMOSPHERIC CONDENSATION
ATMOSPHERIC PRECIPITATION
METEOROLOGICAL PHENOMENA
RT ICE
SLUSH

SNOW REMOVAL

SNOW ROADS
BT ROADS

SNOW VEHICLES
BT VEHICLES
RT CARGO VEHICLES
MAINTENANCE VEHICLES
PASSENGER VEHICLES
SLEDS
TOWED VEHICLE...

Soap solutions
USE SOAPS

SOAPS
UF Salt water soaps
Soap solutions
BT CLEANING COMPOUNDS
RT SURFACE-ACTIVE SUBSTANCES

SOCIAL COMMUNICATION
BT SOCIOLOGY
RT GROUP DYNAMICS
SOCIONETRICS

SOCIAL SCIENCES
RT POPULATION

SOCIOLOGY
NT CRIMINOLOGY
POLITICAL SCIENCE
POPULATION
PUBLIC OPINION
PUBLIC RELATIONS
SOCIAL COMMUNICATION
SOCIONETRICS
RT ANTHROPOLOGY
CULTURE

SOCIONETRICS
BT SOCIOLOGY
NT PUBLIC OPINION
RT POPULATION
SOCIAL COMMUNICATION

SOCKS
BT CLOTHING
RT PROTECTIVE CLOTHING

SODIUM ALLOYS
BT ALLOYS

SODIUM COMPOUNDS
Sol compaction
USE SOIL MECHANICS

SOIL MECHANICS
UF Sol compaction
Sol percolation
Sol stability

BT MECHANICS
RT PERMAFROST
TRAFFICABILITY

Soil percolation
USE SOIL MECHANICS

Sol stability
USE SOIL MECHANICS

SOILS
NT GRAVEL
SAND
SILT
RT ORES (NON-METALLIC)
ROCK (GEOLOGY)

SOLAR ATMOSPHERE
RT SOLAR RADIATION

Solar batteries
USE SOLAR CELLS

SOLAR CELLS
UF Solar batteries
BT BATTERIES & COMPONENTS
RT ENERGY CONVERSION

SOLAR DISTURBANCES
NT SOLAR FLARES
SUNSPOTS
RT SOLAR RADIATION

Solar energy
USE SOLAR RADIATION

SOLAR FLARES
BT SOLAR DISTURBANCES
RT SUNSPOTS

SOLAR PANELS
(Flat surfaces containing numerous solar cells that are used on artificial satellites and spacecraft for electric power production)
RT ELECTRIC POWER PRODUCTION
POWER SUPPLIES

SOLAR RADIATION
UF Solar energy
RT SOLAR ATMOSPHERE
SOLAR DISTURBANCES

SOLAR ROCKETS
(Rocket motors that operate by converting solar energy)
BT ROCKET MOTORS
RT BOOSTER ROCKETS

SOLDERED JOINTS
BT JOINTS
RT BONDED JOINTS
METAL JOINTS

SOLDERING ALLOYS
BT ALLOYS
NT SILVER SOLDERS
RT THERMAL JOINING

Soldiers
USE MILITARY PERSONNEL

SOLFONDS
BT COLS
RT ACTUATORS
ELECTRIC SWITCHES

Solid delay lines
USE DELAY LINES

SOLID STATE PHYSICS
RT MECHANICS
NUCLEAR PHYSICS
PHYSICS

SOLIDS
NT METALLIC CRYSTALS

SOLUTIONS
RT COLLOIDS
EUTECTICS
GELS

Sonar
USE SOUND RANGING

SONIC BOOM
RT JET PLANE NOISE

SONIC FATIGUE
BT FATIGUE (MECHANICS)

SORPTION
NT ADSORPTION

SOUND
UF Sound waves
BT MECHANICAL WAVES
NT ULTRASONIC RADIATION
RT ACOUSTICS
NOISE
PSYCHOACOUSTICS

Sound equipment
USE ACOUSTIC EQUIPMENT

SOUND GENERATORS
BT ACOUSTIC EQUIPMENT
NOISE GENERATORS
SOUND REPRODUCTION SYSTEMS
RT ELECTROACOUSTIC TRANSDUCERS
MEGAPHONES
MICROPHONES

SOUND PITCH
UF Pitch (Acoustic)
RT PITCH DISCRIMINATION

SOUND RANGING
UF Sonar
RT DETECTION
DOPPLER SYSTEMS
POSITION FINDING
RANGE FINDING

SOUND REPRODUCTION SYSTEMS
BT ACOUSTIC EQUIPMENT
ELECTRONIC RECORDING SYSTEMS
RECORDING DEVICES
SOUND GENERATORS
RT PHOTOGRAPHIC RECORDING SYSTEMS

SOUND SIGNALS
BT SIGNALS

SOUND TRANSMISSION
BT ACOUSTIC PROPERTIES
WAVE TRANSMISSION

Sound waves
USE SOUND

Soundproofing
USE ACOUSTIC INSULATION

SOURCES
Source-Frame characteristic equal
USE EQUATIONS

SPACE BIOLOGY
(Studies of organisms outside the earth, studies here for studies directed primarily toward determining the effects of the space environment, space flight, etc on man, see SPACE MEDICINE)
UF Astrobiology
Bioastronautics
Extraterrestrial life
BT BIOLOGY
RT CLOSED-CYCLE ECOLOGICAL SYSTEMS
SPACE MEDICINE

SPACE BORNE

SPACE CAPSULES
(Pressurized enclosures that convey man or animals in orbital or suborbital flight beyond the earth, atmosphere)
BT SPACECRAFT
RT RE-ENTRY VEHICLES

SPACE CHARGES
RT THERMIONIC EMISSION

SPACE COMMUNICATION SYSTEMS
UF Aerial communication
BT COMMUNICATION SYSTEMS

SPACE ENVIRONMENTAL CONDITIONS
RT COSMIC RAYS
METEORS
RADIATION EFFECTS
VAN ALLEN RADIATION BELT
WEIGHTLESSNESS

SPACE FLIGHT
BT FLIGHT

SPACE MEDICINE
BT MEDICINE
RT AVIATION MEDICINE
CLOSED-CYCLE ECOLOGICAL SYSTEMS
SPACE BIOLOGY

SPACE NAVIGATION
BT NAVIGATION

SPACE PERCEPTION
UF Depth perception
Stereoscopic vision
BT PERCEPTION
SENSORY MECHANISMS
RT PROPRIOCEPTION

SPACE STATIONS
(Extraterrestrial bases on man-made space platforms rather than those established on natural astronomical bodies)
BT SPACECRAFT

SPACE TECHNOLOGY

Space vehicles
USE SPACECRAFT

SPACECRAFT
UF Space vehicles
Spacecraft
NT AEROSPACE CRAFT

SPACECRAFT (Con.)
 AEROSPACE PLANES
 COMMUNICATION SATELLITES (ACTIVE)
 COMMUNICATION SATELLITES (PASSIVE)
 LUNAR CRAFT
 MANNED SPACECRAFT
 METEOROLOGICAL SATELLITES
 NAVIGATION SATELLITES
 SATELLITES (ARTIFICIAL)
 SPACE CAPSULES
 SPACE STATIONS
 RT AIRCRAFT
 LAUNCH VEHICLES (AEROSPACE)
 RE-ENTRY VEHICLES

SPACECRAFT CABINS
 UF Spaceship cabins

Spaceship cabins
 USE SPACECRAFT CABINS

Spaceships
 USE SPACECRAFT

SPARK IGNITION
 BT IGNITION
 RT IGNITION SYSTEMS

SPARKS
 BT ELECTRIC CURRENTS
 ELECTRIC DISCHARGES
 ELECTRICITY
 RT ELECTRIC ARCS

SPECIAL FUNCTIONS (MATHEMATICAL)
 UF Boltzman H-functions
 Boolean functions
 Borel functions
 Boussinesq-Papkovich stress function
 Cicula functions
 Dirac delta functions
 E-functions
 Error functions
 Exponential functions
 Gamma functions
 Hankel functions
 Hermite functions
 Hyperbolic functions
 Hypergeometric functions
 Inverse hyperbolic functions
 Kummer functions
 Laguerre functions
 Legendre coefficients
 Legendre functions
 MacRobert's E-functions
 Mathieu's function
 Newman function
 O-functions
 Spherical harmonics
 Spherical wave functions
 Whittaker functions
 Zeta function

SPECIAL PURPOSE COMPUTERS
 BT COMPUTERS
 NT BOMBING COMPUTERS
 NAVIGATION COMPUTERS
 RADAR RANGE COMPUTERS
 RT ANALOG COMPUTERS
 ANALOG-DIGITAL COMPUTERS
 DIGITAL COMPUTERS
 FLIGHT SIMULATORS
 SIMULATION

SPECIFIC HEAT
 RT HEAT OF FUSION

SPECIFIC IMPULSE

SPECIFICATIONS
 RT MILITARY REQUIREMENTS

Spectacle frames
 USE EYEGLASSES

SPECTRA (INFRARED)

SPECTRA (VISIBLE & ULTRAVIOLET)

Spectrometers
 USE SPECTRUM ANALYZERS

SPECTROPHOTOMETERS
 BT OPTICAL INSTRUMENTS
 PHOTOMETERS
 SPECTRUM ANALYZERS
 NT INFRARED
 SPECTROPHOTOMETERS

SPECTROSCOPY
 NT INFRARED SPECTROSCOPY
 MICROWAVE SPECTROSCOPY
 RADIOFREQUENCY SPECTROSCOPY
 ULTRAVIOLET SPECTROSCOPY
 RT COLORIMETRY
 ELECTRON MICROSCOPY

FREQUENCY
 OPTICAL ANALYSIS
 OPTICAL EQUIPMENT
 OPTICAL INSTRUMENTS

SPECTRUM ANALYZERS
 UF Spectrometers
 BT OPTICAL INSTRUMENTS
 NT INFRARED
 SPECTROPHOTOMETERS
 SPECTROPHOTOMETERS
 RT INTERFEROMETERS
 PHOTOMETERS

SPEECH
 RT LANGUAGE
 VERBAL BEHAVIOR
 VOCABULARY

SPEECH RECOGNITION
 (Ability of a man or machine to interpret or detect speech characteristics or patterns)

SPEECH REPRESENTATION
 UF Phonetics

SPEECH TRANSMISSION

SPEECHES

Speed
 USE VELOCITY

Speed brake flaps
 USE AIR BRAKE FLAPS

SPEED REGULATORS
 UF Constant-speed drives
 Governors
 RT CONTROL SYSTEMS

SPHERES
 BT BODIES OF REVOLUTION
 GEOMETRIC FORMS
 RT BLUNT BODIES
 CURVED PROFILES
 HEMISPHERICAL SHELLS
 OGIVES

Spherical harmonics
 USE SPECIAL FUNCTIONS (MATHEMATICAL)

Spherical wave functions
 USE SPECIAL FUNCTIONS (MATHEMATICAL)

SPIN
 BT MOTION
 ROTATION
 RT CENTRIFUGAL FIELDS
 VELOCITY

SPINAL COLUMN
 UF Spine
 Vertebrae
 BT MUSCULOSKELETAL SYSTEM
 RT JOINTS (PHYSIOLOGY);
 SKELETON

SPINAL CORD
 BT CENTRAL NERVOUS SYSTEM
 NERVES
 NERVOUS SYSTEM
 RT AUTONOMIC NERVOUS SYSTEM
 NERVE CELLS

Spine
 USE SPINAL COLUMN

SPINNERS
 RT FAIRINGS

Spiner connection
 USE DIFFERENTIAL GEOMETRY

SPINAL ANTENNAS
 BT ANTENNA CONFIGURATIONS
 ANTENNAS

SPLEEN
 RT BLOOD
 BONE MARROW
 RETICULOENDOTHELIAL SYSTEM

SPLIT FLAPS
 UF Fowler flaps
 BT AERODYNAMIC CONFIGURATIONS
 AERODYNAMIC CONTROL SURFACES
 CONTROL SURFACES
 FLAPS
 TRAILING CONTROL SURFACES
 RT ELEVATORS
 SLOTTED FLAPS

Spin-on-rod magnetrons
 USE MAGNETRONS

SPOILERS
 BT AERODYNAMIC CONFIGURATIONS
 AERODYNAMIC CONTROL SURFACES
 CONTROL SURFACES
 RT FLAPS
 LEADING EDGE FLAPS

Sponge plastics
 USE EXPANDED PLASTICS

SPORES
 UF Anaerobic spores
 Sporogenesis
 Sporulation
 RT BACTERIA

Sporogenesis
 USE SPORES

Sporulation
 USE SPORES

Spotlights
 USE LIGHTING EQUIPMENT

SPRAY NOZZLES
 BT NOZZLES
 RT CONICAL NOZZLES

SPRAY TANKS
 UF Chemical spray tanks
 BT CONTAINERS
 TANKS (CONTAINERS)

SPRAYS
 BT FLUID FLOW
 FLUIDS
 PARTICLES
 RT AEROSOLS
 ATOMIZATION
 DROPS
 LIQUIDS
 WATER ENTRY
 WATER IMPINGEMENT

SPRINGS
 UF Wooden springs
 NT HELICAL SPRINGS

SPRINKLERS
 RT FIRE EXTINGUISHERS
 FIRE SAFETY

Square root method
 USE NUMERICAL METHODS AND PROCEDURES

Liquids
 USE EXPLOSIVE INITIATORS

Squirrels
 USE RODENTS

SS
 USE SUBMARINES

SS7
 USE SUPERSONIC TRANSPORTS

STABILITY
Stability (Longitudinal)
 USE PITCH (MOTION)
Stability criteria
 USE DIFFERENTIAL EQUATIONS
STABILIZATION
 Alteration of variables in a system to achieve STABILITY for equipment used to produce this alteration see STABILIZATION systems

STABILIZATION SYSTEMS
 UF All stabilizers
 Equibrators
 Stabilizers
 NT GYRO STABILIZERS
 STABILIZERS (HORIZONTAL TAIL SURFACE)
 VOLTAGE REGULATORS
 RT FLIGHT CHARACTERISTICS

Stabilizers
 USE STABILIZATION SYSTEMS
 RT FINS
 FLAPS

STABILIZERS (HORIZONTAL TAIL SURFACES)
 UF Tailplanes
 BT AERODYNAMIC CONFIGURATIONS
 AERODYNAMIC CONTROL SURFACES
 CONTROL SURFACES
 STABILIZATION SYSTEMS
 RT FINS
 TAIL AIRCRAFT:
 TRAILING CONTROL SURFACES

STABILIZERS (VERT TAIL SURFACES)
 BT AERODYNAMIC CONFIGURATIONS
 AERODYNAMIC CONTROL SURFACES
 CONTROL SURFACES
 RT FINS
 TAIL AIRCRAFT:
 TRAILING CONTROL SURFACES

Stagnation point
 BT OPTICAL SIGHTS
STAGNATION POINT
 UF Stagnation pressure

Stagnation pressure
 USE STAGNATION POINT

STAINLESS STEEL
 BT ALLOYS
 IRON ALLOYS
 STEEL

Stakes
 USE ANCHORS (STRUCTURAL)

Stall control flaps
 USE FLAPS

STALL-WARNING INDICATORS
 BT FLIGHT INSTRUMENTS
 FLIGHT SPEED INDICATORS
 WARNING SYSTEMS
 RT AIRSPEED INDICATORS
 HORIZONTAL INDICATORS
 MACHMETERS
 RATE-OF-CLIMB INDICATORS
 VERTICAL INDICATORS
 YAWMETERS

STALLING
 (The loss of effectiveness of surfaces or vehicles in fluid streams that is caused by operation at an angle of attack greater than that corresponding to maximum lift)

STANDARDIZATION
 RT CALIBRATION

STANDARDS
 RT ACCEPTABILITY
 MILITARY REQUIREMENTS
 QUALITY CONTROL
 TOLERANCES (MECHANICS)

STANDING-WAVE INDICATORS
 RT FREQUENCY ANALYZERS

STANDING-WAVE RATIOS
 RT ACOUSTIC PROPERTIES

Stapes
 USE EAR

STAR TRACKERS
 BT CELESTIAL GUIDANCE
 GUIDANCE
 RT TERMINAL GUIDANCE

STARS
 NT SUN

Starter cartridges
 USE ENGINE STARTERS

STARTING
 RT ENGINE STARTERS

STARVATION
 UF Food deprivation
 RT METABOLISM

State-of-the-art studies
 USE REVIEWS

STATIC DISCHARGERS
 (Devices usually of rubber-covered cloth that discharge static electricity as from moving vehicles or aircraft)

RT LIGHTNING ARRESTERS

STATIC ELECTRICITY
 UF Surface charge
 BT ELECTRICITY
 RT ATMOSPHERIC ELECTRICITY
 ATMOSPHERIC ELECTROSTATICS
 LIGHTNING

Static tests
 USE CAPTIVE TESTS

Static tubes
 USE PRESSURE GAGES

STATICS
 BT MECHANICS
 NT AEROSTATICS
 HYDROSTATICS
 RT FLUID MECHANICS

Stationary processes
 USE STATISTICAL PROCESSES

STATISTICAL ANALYSIS
 UF Confidence limits
 Endurance time distributions
 Equations, ordinary
 Extrapolations
 Figma graphs
 Histograms
 Karmarkov models
 Karmarkov models
 Mann-Whitney statistics
 Martingales
 Multiple correlation
 Multiple correlation
 Multivariate analysis
 Multivariate regression
 Nonparametric statistics
 OC (Operating characteristic)
 Poisson parameter

STATISTICAL ANALYSIS (Con)

Polykays
 Quadrimax method
 Ranking methods
 Scale theory
 Sensitivity experiments
 Shippage problem
 Smirnov moments
 Smirnov statistics
 Statistical decision theory
 Statistical ecology
 Student's hypothesis
 Univariate analysis
 Wilcoxon's statistic
 NT CORRELATION TECHNIQUES
 RT ANALYSIS OF VARIANCE
STATISTICAL DATA
Statistical decision theory
 USE STATISTICAL ANALYSIS
STATISTICAL DISTRIBUTIONS
 UF Bernoulli distribution
 De Moivre distributions
Statistical ecology
 USE STATISTICAL ANALYSIS
STATISTICAL FUNCTIONS
 UF Autocorrelation functions
 Autocovariance functions
 Correlation coefficients
 Correlation functions
 Cumulative frequency functions
 Distribution functions
 Pearson's type iii functions
 Random functions
 RT CORRELATION TECHNIQUES
STATISTICAL PROCESSES
 UF Birth and death process (Math)
 Gaussian processes
 Gaussian vector process
 Markov process
 Ornstein-Uhlenbeck process
 Poisson process
 Renewal process
 Robbins-Monro process
 Stationary processes
STATISTICAL TESTS
 UF Chi square test
 Cramer-Smirnov test
 Distribution-free tests
 Null hypothesis test
 T test
 WAGR test
 Wald's sequential tests
STEAM
 BT VAPORS
 WATER
 RT WATER VAPOR
STEEL
 UF Steel wire
 BT ALLOYS
 IRON ALLOYS
 NT STAINLESS STEEL
Steel wire
 USE STEEL
and WIRE
Stekloff problem
 USE PARTIAL DIFFERENTIAL EQUATIONS
Stellate ganglion
 USE GANGLIA
STEREOSCOPIC DISPLAY SYSTEMS
 UF Three-dimensional display systems
 BT COMMUNICATION EQUIPMENT
 DISPLAY SYSTEMS
 RT CATHODE RAY TUBES
Stereoscopic vision
 USE SPACE PERCEPTION
Sterilizers
 USE MEDICAL EQUIPMENT
STERIODS
 UF Cholesterol
 BT LIPIDS
 NT CHOLESTEROL
Sticks (Aeronautics)
 USE CONTROL STICKS
Stieltjes integrals
 USE INTEGRALS
STIFFENED CYLINDERS
 BT BODIES OF REVOLUTION
 CYLINDRICAL BODIES
 GEOMETRIC FORMS
 RT STRUCTURAL SHELLS
Stimulants (cns)
 USE CNS STIMULANTS

STIMULATION

(To evoke or increase the functional activity of a tissue)
 RT PERCEPTION
Stings
 USE SUPPORTS
Stochastic difference equations
 USE DIFFERENCE EQUATIONS
STOCHASTIC PROCESSES
(Mathematical system that studies a probabilistic structure developed in a sequential pattern)
 RT OPERATIONS RESEARCH
 PROBABILITY
Stochastic sampling
 USE MONTE CARLO METHOD
Stock gases
 USE WASTE GASES
STOL
 USE SHORT TAKE-OFF PLANES
STOMACH
 BT GASTROINTESTINAL SYSTEM
Stones
 USE ROCK (GEOLOGY)
Stop watches
 USE CLOCKS
STORAGE
 RT COMPATIBILITY
 CONTAINERS
 HANDLING
 SUPPLY DEPOTS
 WAREHOUSES
STORAGE TANKS
 UF Fuel storage tanks
 BT CONTAINERS
 TANKS (CONTAINERS)
 RT FUEL TANKS
 OIL TANKS
 TANK VENTS
 WATER TANKS
STORAGE TUBES
 BT COMPUTER STORAGE DEVICES
 ELECTRON TUBES
 RT CATHODE RAY TUBES
STORMS
 ST ATMOSPHERIC MOTION
 METEOROLOGICAL PHENOMENA
 NT THUNDERSTORMS
 TORNADOES
 TROPICAL CYCLONES
 RT CYCLONES
 GUSTS
 WIND
Stoves
 USE HEATERS
Strafing sleds
 USE SURFACE TARGETS
STRAIN (MECHANICS)
 BT MECHANICAL PROPERTIES
STRAIN GAGES
 RT EXTENSOMETERS
 PRESSURE GAGES
Stranded conductors
 USE ELECTRIC CABLES
STRATEGIC AIR COMMAND
 BT AIR FORCE
 ARMED FORCES (UNITED STATES)
 MILITARY ORGANIZATIONS
 RT AIR DEFENSE COMMAND
STRATEGIC BOMBING
 BT BOMBING
 RT AIR FORCE OPERATIONS
STRATOSPHERE
(Above the tropopause and below the stratopause)
 BT ATMOSPHERE
 RT TROPOSPHERE
STRATUS CLOUDS
 BT CLOUDS
STREPTOCOCCUS
 BT BACTERIA
STRESS (PHYSIOLOGY)
(Failure of an organism to adapt satisfactorily to a physical or chemical condition and the physiological tension resulting therefrom)
 RT ADAPTATION (PHYSIOLOGY)
 BLACKOUT (PHYSIOLOGY)
 CONCUSSION
 SHOCK (PATHOLOGY)

STRESS (PSYCHOLOGY)

(Failure of an individual to adapt satisfactorily to an emotional factor and the psychological tensions resulting therefrom)
 BT ABNORMAL PSYCHOLOGY
 NT SENSORY DEPRIVATION
 RT ANXIETY
 CONFINED ENVIRONMENTS
 EMOTIONS
 PSYCHOLOGY
STRESSES
 BT MECHANICAL PROPERTIES
 NT SHEAR STRESSES
 THERMAL STRESSES
 RT ELASTICITY
 EXTENSOMETERS
 PHOTOELASTICITY
Stretchers
 USE MEDICAL EQUIPMENT
Strip solution
 USE PARTIAL DIFFERENTIAL EQUATIONS
STROBE LIGHTS
(Devices where light is intermittently on and off in a progressive manner, thus giving a directional indication, e.g., in airfield approaches.)
 BT NAVIGATIONAL LIGHTS
 RT APPROACH LIGHTS
 BEACON LIGHTS
 SIGNAL LIGHTS
Struct ideals
 USE ALGEBRA
Structural analysis
 USE MATHEMATICAL ANALYSIS and STRUCTURES
Structural cements
 USE CEMENTS
STRUCTURAL PARTS
 NT AIRPLANE PANELS
 ANCHORS (STRUCTURAL)
 FLANGES
 HONEYCOMB CORES
 METAL PLATES
 MOUNTING BRACKETS
 PANELS (STRUCTURAL)
 RODS
 SANDWICH PANELS
 STRUCTURAL SHELLS
 TRANSPARENT PANELS
 RT BEAMS (STRUCTURAL)
 FILAMENT WOUND CONSTRUCTION
 GEOMETRIC FORMS
 JOINTS
 REINFORCING MATERIALS
STRUCTURAL PROPERTIES
 RT CRYSTAL STRUCTURE
STRUCTURAL SHELLS
 BT GEOMETRIC FORMS
 STRUCTURAL PARTS
 NT ELASTIC SHELLS
 HEMISPHERICAL SHELLS
 RT BODIES OF REVOLUTION
 STIFFENED CYLINDERS
STRUCTURES
 UF Structural analysis
 NT EXTENDABLE STRUCTURES
 FLEXIBLE COUPLINGS
 FLEXIBLE STRUCTURES
 INFLATABLE STRUCTURES
 RT GEOMETRIC FORMS
Student's hypothesis
 USE STATISTICAL ANALYSIS
STUDENTS
 UF College students
 BT PERSONNEL
 RT EDUCATION
Sturm-Liouville theory
 USE PARTIAL DIFFERENTIAL EQUATIONS
Sturm-Liouville transform
 USE INTEGRAL TRANSFORMS
STYRENE PLASTICS
 UF Polystyrene plastics
 Styrene polymers
 Styrene resins
 BT PLASTICS
Styrene polymers
 USE STYRENE PLASTICS
Styrene resins
 USE STYRENE PLASTICS
Subject analysis
 USE SUBJECT INDEXING

Subject headings

USE SUBJECT INDEXING
SUBJECT INDEXING
 UF Subject analysis
 Subject headings
 BT DOCUMENTATION
 RT CATALOGS
 CLASSIFICATION
 INDEXES
SUBLIMATION
 UF Vaporization of solids
 RT ABLATION
 VAPORIZATION
SUBMARINE PERSONNEL
 BT MILITARY PERSONNEL
 NAVAL PERSONNEL
Submarine rescue chambers
 USE SEA RESCUE EQUIPMENT
SUBMARINE SIMULATORS
 BT SIMULATION
SUBMARINES
 UF SS
SUBMINIATURE ELECTRONIC EQUIPMENT
 BT ELECTRONIC EQUIPMENT
 RT MICROMINIATURIZATION (ELECTRONICS)
 MINIATURE ELECTRONIC EQUIPMENT
 MOLECULAR ELECTRONICS
SUBSONIC AIRFOILS
 BT AERODYNAMIC CONFIGURATIONS
 AIRFOILS
SUBSONIC CHARACTERISTICS
 BT AERODYNAMIC CHARACTERISTICS
 FLUID DYNAMIC PROPERTIES
SUBSONIC FLIGHT
 BT FLIGHT
SUBSONIC FLOW
 BT FLUID FLOW
 GAS FLOW
SUBSONIC NOZZLES
 BT NOZZLES
 RT CONICAL NOZZLES
 EXHAUST NOZZLES
 GAS TURBINE NOZZLES
SUBSONIC WIND TUNNELS
 BT WIND TUNNELS
Substances
 USE MATERIALS
SUBSTITUTES
Successive intervals method
 USE FACTOR ANALYSIS
SUCROSE
 BT CARBOHYDRATES
SUCTION SLOTS
 BT AERODYNAMIC CONFIGURATIONS
 AERODYNAMIC SLOTS
 RT BOUNDARY LAYER CONTROL
Suits
 USE PROTECTIVE CLOTHING
SULFIDES
 RT SULFUR
SULFUR
 BT GROUP VI ELEMENTS
 NON-METALS
 RT SULFIDES
Sulfur dyes
 USE DYES
Summaries
 USE ABSTRACTS
SUN
 BT STARS
Sunglasses
 USE EYEGLASSES
Sunlight
 USE LIGHT
SUNSPOTS
 BT SOLAR DISTURBANCES
 RT SOLAR FLARES
Supercharger diffusers
 USE DIFFUSERS
Supercharger impellers
 USE IMPELLERS
SUPERCONDUCTIVITY
 BT CONDUCTIVITY
 ELECTRICAL CONDUCTANCE
 ELECTRICAL PROPERTIES
 RT CRYOGENIC STORAGE DEVICES
 CRYOGENICS
 MAGNETIC FIELDS
 RESISTANCE (ELECTRICAL)
 SUPERCONDUCTORS

SUPERCONDUCTORS
 RT SUPERCONDUCTIVITY

SUPERHIGH FREQUENCY
 (3,000 to 30,000 mc)
 BT FREQUENCY
 MICROWAVE FREQUENCY
 RADIOFREQUENCY

NT C BAND
 X BAND

Superlow frequency
 USE EXTREMELY LOW FREQUENCY

SUPERSONIC AIRFOILS
 BT AERODYNAMIC CONFIGURATIONS
 AIRFOILS

SUPERSONIC CHARACTERISTICS
 BT AERODYNAMIC CHARACTERISTICS
 FLUID DYNAMIC PROPERTIES

Supersonic delay lines
 USE DELAY LINES

SUPERSONIC DIFFUSERS
 BT DIFFUSERS
 RT EXHAUST DIFFUSERS
 WIND TUNNEL NOZZLES

SUPERSONIC FLIGHT
 BT FLIGHT

SUPERSONIC FLOW
 BT GAS FLOW

SUPERSONIC NOZZLES
 BT NOZZLES
 WIND TUNNEL NOZZLES

SUPERSONIC PLANES
 BT AIRCRAFT
 AIRPLANES

NT SUPERSONIC TRANSPORTS

SUPERSONIC TRANSPORTS
 UF SST
 BT AIRCRAFT
 SUPERSONIC PLANES
 RT JET TRANSPORT PLANES

SUPERSONIC WIND TUNNELS
 BT WIND TUNNELS

Supplier
 USE LOGISTICS

Supply catalogs
 USE CATALOGS

SUPPLY DEPOTS
 UF Air Force depots
 Army depots
 BT LOGISTICS
 RT ARMED FORCES PROCUREMENT
 ARMED FORCES SUPPLIES
 ARMY PROCUREMENT
 NAVAL EQUIPMENT
 NAVAL PROCUREMENT
 STORAGE
 WAREHOUSES

SUPPORTS
 UF Columns
 Legs (Supports)
 Stings
 RT MOUNTING BRACKETS
 SUSPENSION DEVICES

SUPPRESSORS
 (Devices used in electric or electronic components or circuits to prevent or reduce undesired actions or currents)
 UF Side lobe suppressors
 RT ELECTROMAGNETIC SHIELDING
 NOISE (RADAR)
 NOISE (RADIO)
 RADIOFREQUENCY INTERFERENCE

SUPPRESSORS (ACOUSTIC)
 (Devices for suppressing aircraft engine noise)
 UF Noise suppressors
 RT NOISE ABATEMENT

Suppressors (Vibration)
 USE VIBRATION ISOLATORS

SURFACE BURST
 RT NUCLEAR EXPLOSIONS

Surface charge
 USE STATIC ELECTRICITY

Surface conditions
 USE SURFACE PROPERTIES

SURFACE PRESSURES
 BT PRESSURE
 SURFACE PROPERTIES

SURFACE PROPERTIES
 UF Interface properties
 Physical properties (Surface)
 Roughness

Surface conditions

NT ADSORPTION
 SURFACE PRESSURES
 SURFACE TEMPERATURES
 SURFACE TENSION

RT ABSORPTION
 ADHESION
 BONDING
 BOUNDARY LAYER
 FRICTION
 HARDNESS
 SURFACES
 WEAR RESISTANCE

SURFACE TARGETS
 UF Bombing sleds
 Strating sleds
 BT TARGETS
 RT AERIAL TARGETS

SURFACE TEMPERATURES
 BT SURFACE PROPERTIES
 TEMPERATURE

SURFACE TENSION
 UF Interfacial tension
 BT SURFACE PROPERTIES

SURFACE-ACTIVE SUBSTANCES
 (Agents that reduce the surface tension of liquids, usually water, and enable liquids to wet otherwise repellent surfaces)
 UF Surfactant
 Wetting agents
 RT SOAPS

SURFACE-TO-AIR

SURFACE-TO-SURFACE

SURFACES
 RT SURFACE PROPERTIES

Surfactant
 USE SURFACE-ACTIVE SUBSTANCES

Surgeons
 USE MEDICAL PERSONNEL

SURGERY
 RT SHOCK (PATHOLOGY)
Surgical shock
 USE SHOCK (PATHOLOGY)

Surveillance radar
 USE AIRPORT RADAR SYSTEMS
 and SEARCH RADAR

SURVEYING
 UF Charting
 NT MAPPING
 RT MAPS

SURVIVAL
 RT ACCIDENTS
 AIR-SEA RESCUES
 DISASTERS
 RESCUES
 SEA RESCUE EQUIPMENT
 SEA RESCUES

SURVIVAL KITS
 RT LIFE RAFTS
 SEA RESCUE EQUIPMENT

Suspension bands
 USE SUSPENSION DEVICES

SUSPENSION DEVICES
 UF Suspension bands
 Suspension lugs
 BT FITTINGS
 RT COUPLINGS
 SUPPORTS

Suspension lugs
 USE SUSPENSION DEVICES

SWAMPS
 UF Bogs
 Marshes
 BT TERRAIN

SWEEP GENERATORS
 BT TEST EQUIPMENT
 (ELECTRONICS)
 RT RADIOFREQUENCY GENERATORS

SWEEP WINGS
 BT AERODYNAMIC CONFIGURATIONS
 WINGS
 NT SWEEP-BACK WINGS
 SWEEP-FORWARD WINGS
 RT VARIABLE-SWEEP WINGS

SWEEP-BACK WINGS
 BT AERODYNAMIC CONFIGURATIONS
 SWEEP WINGS
 WINGS
 RT SWEEP-FORWARD WINGS

SWEEP-FORWARD WINGS
 BT AERODYNAMIC CONFIGURATIONS
 SWEEP WINGS
 WINGS
 RT SWEEP-BACK WINGS

SWINE
 UF Hogs
 Pigs
 BT ANIMALS
 MAMMALS

SWITCHING CIRCUITS
 BT CIRCUITS
 RT ELECTRIC SWITCHES
 ELECTRONIC SWITCHES

SYMMETRY
 (CRYSTALLOGRAPHY)
 BT CRYSTAL STRUCTURE
 NT ANISOTROPY
 ISOTROPISM

Sympathetic nervous system
 USE AUTONOMIC NERVOUS SYSTEM

SYMPATHOMIMETIC AGENTS
 UF Adrenergic agents
 Bronchodilators
 BT AUTONOMIC AGENTS
 VASOACTIVE AGENTS
 NT AMPHETAMINES
 EPINEPHRINE
 LEVARTERENOL
 RT ADRENAL MEDULLA HORMONES

SYMPOSIA
 UF Forums
 Seminars
 Workshops
 RT CONFERENCES

Synapse
 USE NERVE CELLS

Synchro data
 USE SYNCHROS

Synchro motors
 USE SYNCHROS

Synchro receivers
 USE SYNCHROS

SYNCHRONIZATION
 (ELECTRONICS)
Synchronous demodulators
 USE CORRELATORS
Synchronous detectors
 USE CORRELATORS

SYNCHROS
 (For electromechanical systems incorporating feedback see SERVO SYSTEM for linear nonreversible actuating devices, see ACTUATORS)
 UF Autotrans
 Electromechanical actuators
 Microsyns
 Selsyns
 Synchro data
 Synchro motors
 Synchro receivers
 Telesyns
 Torque generators
 RT PNEUMATIC SERVOMECHANISMS
 SERVOMECHANISMS
 TARGET DESIGNATORS

SYNCOPE
 UF Fainting
 RT BLACKOUT (PHYSIOLOGY)

SYNTHESIS
Synthetic gems
 USE SYNTHETIC STONES
Synthetic nucleosides
 USE NUCLEOSIDES
SYNTHETIC RUBBER
 UF Neoprene
 Thiokol
 BT ELASTOMERS
 RT ISOCYANATE PLASTICS
 RUBBER

SYNTHETIC STONES
 UF Synthetic gems
 BT MINERAL PRODUCTS

Synthetic functions
 USE FUNCTIONS

Syringes
 USE MEDICAL EQUIPMENT

SYSTEMS ENGINEERING
 BT ENGINEERING
 RT OPERATIONS RESEARCH

Szondi test
 USE PROJECTIVE TECHNIQUES

T

T test
 USE STATISTICAL TESTS

TABLES
 UF Tabulated data

Tab
 USE TRIM TABS

Tabulated data
 USE TABLES

TACHISTOSCOPES

TACHOMETERS
 BT METERS

Tackles
 USE HOISTS

TACTICAL AIR COMMAND
 BT AIR FORCE
 MILITARY ORGANIZATIONS

TACTICAL WARFARE
 BT WARFARE

Tactile perception
 USE TOUCH

Tactual perception
 USE TOUCH

TAIL HELICOPTER ROTORS
 BT AERODYNAMIC CONFIGURATIONS
 HELICOPTER ROTORS
 ROTARY WINGS
 WINGS
 RT DUAL-ROTATION PROPELLERS
 PROPELLERS (AERIAL)
 ROTOR BLADES (ROTARY WINGS)

TAIL WHEELS
 BT AIRCRAFT EQUIPMENT
 LANDING GEAR
 RT AIRCRAFT TIRES

TAILLESS AIRPLANES
 BT AIRCRAFT
 AIRPLANES

Tailless gliders
 USE GLIDERS

Tailplanes

TAILPLANES
 USE STABILIZERS (HORIZ TAIL SURFACE)

TAILS (AIRCRAFT)
 BT AIRFRAMES
 RT STABILIZERS (HORIZ TAIL SURFACE)
 STABILIZERS (VERT TAIL SURFACE)

TAKE-OFF
 BT DEPARTURE
 RT CATAPULTS
 FLIGHT
 LANDING
 LAUNCHING
 TERMINAL FLIGHT FACILITIES

TANK VENTS
 UF Fuel tank vents
 RT FUEL TANKS
 OIL TANKS
 STORAGE TANKS
 TANKS (CONTAINERS)
 VENTILATION DUCTS

TANKER PLANES
 BT AIRCRAFT
 AIRPLANES

TANKS (CONTAINERS)
 BT CONTAINERS
 NT FUEL TANKS
 OIL TANKS
 SPRAY TANKS
 STORAGE TANKS
 WATER TANKS
 RT TANK VENTS

TANTALUM
 BT GROUP V ELEMENTS
 METALS
 TRANSITION ELEMENTS

TANTALUM ALLOYS
 BT ALLOYS

TAPES
 NT ADHESIVE TAPES

TAR
 RT SEALING COMPOUNDS

TARGET ANGLE

TARGET ANGLE
TARGET DESIGNATORS
 (Systems for designating to one instrument targets that have already been located by a second instrument, usually by means of electrical data transmitters and receivers that indicate on one instrument the pointing of another.)
 BT TRACKING
 NT OPTICAL TARGET DESIGNATORS
 RT FIRE CONTROL SYSTEMS
 OPTICAL TRACKING
 RADAR TRACKING
 SYNCHROS
 TARGET POSITION INDICATORS

TARGET DISCRIMINATION

TARGET DRONES
 BT AIRCRAFT
 DRONES
 RT AERIAL TARGETS

Target position finding
 USE POSITION FINDING

TARGET POSITION INDICATORS
 BT POSITION FINDING
 TRACKING
 RT DETECTION
 PLAN POSITION INDICATORS
 TARGET DESIGNATORS

TARGET RECOGNITION
 BT DETECTION
 RT DETECTORS
 IDENTIFICATION SYSTEMS
 POSITION FINDING
 RANGES (DISTANCE)
 TRACKING

Target seekers
 USE HOMING DEVICES

TARGETS
 NT AERIAL TARGETS
 RADAR TARGETS
 SURFACE TARGETS

Task analysis
 USE JOB ANALYSIS

Tauberian series
 USE SERIES

Tauberian theorem
 USE SERIES

TAXING
 UF Turnoff
 RT TAXIWAYS

TAXIWAYS
 RT APRONS
 RUNWAYS
 TAXING

TAYLOR SERIES
 UF Power series

Teachers
 USE INSTRUCTORS

Teaching
 USE EDUCATION

TEACHING MACHINES
 RT MACHINE TRANSLATION

TECHNIQUES

TECHNOLOGICAL INTELLIGENCE
 UF Intelligence (Technological)
 Scientific intelligence
 RT MILITARY INTELLIGENCE

TEETH
 UF Dental plaques
 Dentine
 RT MASTICATION
 MOUTH

Teflon
 USE HALOCARBON PLASTICS

TELEGRAPH EQUIPMENT

TELEGRAPH SIGNALS
 BT SIGNALS

TELEMETER SYSTEMS
 BT COMMUNICATION SYSTEMS

TELEMETERING DATA

TELEMETERING RECEIVERS

TELEMETERING TRANSMITTERS
 RT RADIOSONDES

Telephone cables
 USE TELEPHONE LINES

TELEPHONE COMMUNICATION SYSTEMS
 UF Telephone systems
 BT COMMUNICATION SYSTEMS
 NT MULTICHANNEL TELEPHONE SYSTEMS

RT FIELD WIRE COMMUNICATION SYSTEMS
 TELETYPE SYSTEMS
 VOICE COMMUNICATION SYSTEMS

TELEPHONE EQUIPMENT
 UF Telephone repeaters
 BT COMMUNICATION EQUIPMENT
 NT TELEPHONE LINES

TELEPHONE LINES
 UF Telephone cables
 BT COMMUNICATION EQUIPMENT
 TELEPHONE EQUIPMENT

Telephone repeaters
 USE TELEPHONE EQUIPMENT

Telephone systems
 USE TELEPHONE COMMUNICATION SYSTEMS

TELESCOPES
 BT OPTICAL EQUIPMENT

Teletays
 USE SYNCHROS

Teletype equipment
 USE TELETYPE SYSTEMS

TELETYPE SYSTEMS
 UF Teletype equipment
 BT COMMUNICATION SYSTEMS
 NT RADIO TELETYPE SYSTEMS
 RT TELEPHONE COMMUNICATION SYSTEMS

TELEVISION ANTENNAS
 BT ANTENNAS
 TELEVISION EQUIPMENT

TELEVISION CAMERAS
 BT COMMUNICATION EQUIPMENT
 TELEVISION EQUIPMENT
 RT ICONOSCOPES
 TELEVISION STATIONS

TELEVISION COMMUNICATION SYSTEMS
 BT COMMUNICATION SYSTEMS
 NT COLOR TELEVISION

TELEVISION CONVERTERS
 BT COMMUNICATION EQUIPMENT
 TELEVISION EQUIPMENT

TELEVISION DISPLAY SYSTEMS
 BT COMMUNICATION EQUIPMENT
 DISPLAY SYSTEMS
 TELEVISION EQUIPMENT
 RT CATHODE RAY TUBES
 TELEVISION RECEIVERS

TELEVISION EQUIPMENT
 BT COMMUNICATION EQUIPMENT
 NT TELEVISION ANTENNAS
 TELEVISION CAMERAS
 TELEVISION CONVERTERS
 TELEVISION DISPLAY SYSTEMS
 TELEVISION RECEIVERS
 TELEVISION STATIONS
 TELEVISION TRANSMITTERS
 RT COLOR TELEVISION
 VIDEO FILTERS

Television pickup tubes
 USE ICONOSCOPES

TELEVISION RECEIVERS
 UF Video receivers (Television)
 BT COMMUNICATION EQUIPMENT
 TELEVISION EQUIPMENT
 RT TELEVISION DISPLAY SYSTEMS

TELEVISION STATIONS
 BT COMMUNICATION SYSTEMS
 TELEVISION EQUIPMENT
 RT TELEVISION CAMERAS
 TELEVISION TRANSMITTERS

TELEVISION TRANSMITTERS
 BT COMMUNICATION EQUIPMENT
 TELEVISION EQUIPMENT
 RT TELEVISION STATIONS

TEMPERATURE
 NT ATMOSPHERIC TEMPERATURE
 SURFACE TEMPERATURES
 TRANSITION TEMPERATURE

TEMPERATURE COEFF. OF REACTIVITY

TEMPERATURE CONTROL
 NT CRYOSTATS
 THERMOSTATS
 RT CONTROL SYSTEMS
 TEMPERATURE SENSITIVE ELEMENTS
 TEMPERATURE-WARNING SYSTEMS

TEMPERATURE INVERSION
 BT METEOROLOGICAL PHENOMENA

THESAURUS OF FAA DESCRIPTORS

TEMPERATURE SENSITIVE ELEMENTS
 NT THERMISTORS
 THERMOCOUPLES
 RT CALORIMETERS
 TEMPERATURE CONTROL
 THERMOMETERS
 THERMOSTATS

TEMPERATURE-WARNING SYSTEMS
 BT WARNING SYSTEMS
 RT TEMPERATURE CONTROL

TENSILE PROPERTIES
 UF Tensile strength
 BT MECHANICAL PROPERTIES
 RT COMPRESSIVE PROPERTIES
 DEFORMATION
 ELASTICITY

Tensile strength
 USE TENSILE PROPERTIES

Ternium compounds
 USE RARE EARTH COMPOUNDS

TERMINAL FLIGHT FACILITIES
 NT AIRPORT CONTROL TOWERS
 AIRPORTS
 APPROACH LIGHTS
 APRONS
 FLIGHT SERVICE STATIONS
 HELIPORTS
 LANDING AIDS
 LANDING FIELDS
 LANDING MATS
 RUNWAYS
 RT AIR ROUTE TRAFFIC CONTROL CENTERS
 AIR TRAFFIC
 AIR TRAFFIC CONTROL SYSTEMS
 ALL-WEATHER AVIATION
 ATC TERMINAL AREA
 AVIATION SAFETY
 CARRIER-CONTROLLED APPROACH RADAR
 CIVIL AVIATION
 GROUND-CONTROLLED APPROACH RADAR
 LANDING
 RADAR LANDING CONTROL
 TAKE-OFF

TERMINAL GUIDANCE
 BT GUIDANCE
 NT GLIDE-PATH SYSTEMS
 HOMING DEVICES
 LIGHT HOMING
 RADIO HOMING
 RT MAGNETIC GUIDANCE
 STAR TRACKERS

TERMINAL GUIDANCE SYSTEMS
 RT AUTOMATIC NAVIGATORS
 GROUND-CONTROLLED APPROACH RADAR
 INERTIAL GUIDANCE
 INTERCEPTION
 NAVIGATION COMPUTERS

TERRAIN
 UF Topography
 NT DESERTS
 JUNGLES
 MOUNTAINS
 SWAMPS

TERRAIN AVOIDANCE

TERRESTRIAL MAGNETISM
 UF Geomagnetism
 BT MAGNETISM
 NT MAGNETIC STORMS
 RT AURORAE
 VAN ALLEN RADIATION BELT

TEST CONSTRUCTION (PSYCHOLOGY)

TEST EQUIPMENT
 UF Testing equipment
 RT TEST SETS
 VIBRATORS (MECHANICAL)

TEST EQUIPMENT (ELECTRONICS)
 NT NOISE ANALYZERS
 OSCILLOSCOPES
 SIGNAL GENERATORS
 SWEEP GENERATORS
 RT ELECTRON TUBES
 ELECTRONIC SWITCHES
 FREQUENCY ANALYZERS
 INVERTER CIRCUITS
 MEASURING DEVICES (ELECT AND ELECT)
 TEST SETS

TEST FACILITIES
 NT ALTITUDE CHAMBERS

TRACKS (AERODYNAMICS)
 WIND TUNNELS
 LABORATORIES
 RT LABORATORIES
 RANGES (ESTABLISHMENTS)

TEST METHODS
 NT CHECKOUT PROCEDURES

TEST SETS
 (Self-contained combinations of equipment used to perform prescribed tests of certain types of electrical and electronic equipment.)
 RT TEST EQUIPMENT
 TEST EQUIPMENT
 (ELECTRONICS)

TEST VEHICLES
 (Rocket or jet powered craft used in testing components of proposed aircraft or spacecraft.)
 NT RAMJET TEST VEHICLES
 ROCKET-PROPELLED SLEDS
 RT DRONES

Testes
 USE SEX GLANDS

Testing equipment
 USE TEST EQUIPMENT

TESTS
 NT CAPTIVE TESTS
 COLD WEATHER TESTS
 CRASH TESTING
 ENVIRONMENTAL TESTS
 FLIGHT TESTING
 NON-DESTRUCTIVE TESTING
 TROPICAL TESTS

Tetany
 USE CONVULSIVE DISORDERS

TETRODES
 BT ELECTRON TUBES

TEXT BOOKS

TEXTILES
 UF Fabrics
 NT COTTON TEXTILES
 FIRE-RESISTANT TEXTILES
 GLASS TEXTILES
 METALLIC TEXTILES
 ORLON
 PARACHUTE FABRICS
 SILK
 RT FIBERS
 FIBERS (SYNTHETIC)
 NYLON

TFE
 USE HALOCARBON PLASTICS

Thebaines
 USE CNS STIMULANTS

THEODOLITES
 BT OPTICAL EQUIPMENT
 NT PHOTO THEODOLITES
 RT OPTICAL TRACKING
 RANGES (DISTANCE)

THEORY
 UF Nonlinear theory

Therapeutic diet
 USE DIET

Therapeutic effects
 USE THERAPY

THERAPY
 UF Therapeutic effects
 NT ELECTROTHERAPY
 RT DIET
 MEDICINE
 PARENTERAL INFUSIONS
 PHARMACOLOGY

THERMAL CONDUCTIVITY
 UF Conductivity (Thermal)
 BT CONDUCTIVITY
 RT HEAT TRANSFER
 THERMAL INSULATION
 THERMOELECTRICITY
 TRANSPORT PROPERTIES

THERMAL EXPANSION
 RT HEAT TRANSFER
 THERMAL INSULATION

THERMAL INSULATION
 UF Insulation (Thermal)
 Insulators (Thermal)
 RT ASBESTOS
 HEAT SHIELDS
 HEAT TRANSFER
 THERMAL CONDUCTIVITY
 THERMAL EXPANSION

THERMAL JOINING
 NT ARC WELDING
 BRAZING
 WELDING
 WELDS
 RT SOLDERING ALLOYS

THERMAL RADIATION
 BT HEAT TRANSFER
 NT EMISSIVITY
 RT HEAT
 INFRARED RADIATION

THERMAL STRESSES
 BT MECHANICAL PROPERTIES
 STRESSES
 RT SHEAR STRESSES

THERMAL SWITCHES
 BT ELECTRIC SWITCHES

THERMIONIC CONVERTERS
 BT POWER EQUIPMENT

THERMIONIC EMISSION
 RT FIELD EMISSION
 SECONDARY EMISSION
 SPACE CHARGES

THERMISTORS
 BT RESISTORS
 TEMPERATURE SENSITIVE
 ELEMENTS

THERMOCHEMISTRY
 BT CHEMISTRY
 PHYSICAL CHEMISTRY

THERMOCOUPLES
 UF Thermopiles
 BT TEMPERATURE SENSITIVE
 ELEMENTS
 RT THERMOELECTRICITY
 THERMOMETERS

THERMODYNAMIC
 NT ENTHALPY
 ENTROPY
 RT EQUATIONS OF STATE
 FLUID MECHANICS
 HEAT
 NUCLEAR PHYSICS
 PHYSICS
 PLASMA PHYSICS

THERMOELECTRICITY
 BT ELECTRICITY
 RT ELECTROMAGNETIC PROPERTIES
 THERMAL CONDUCTIVITY
 THERMOCOUPLES

THERMOMETERS
 BT THERMISTORS
 NT RESISTANCE THERMOMETERS
 VORTEX THERMOMETERS
 RT BOLOMETERS
 CALORIMETERS
 TEMPERATURE SENSITIVE
 ELEMENTS
 THERMOCOUPLES

Thermopiles
 USE THERMOCOUPLES

THERMOPLASTICS
 NT HALOCARBON PLASTICS
 RT ISOCYANATE PLASTICS

THERMOSETTING PLASTICS
 UF Thermosetting resins
 PLASTICS
 NT EPOXY PLASTICS
 PHENOLIC PLASTICS
 POLYESTER PLASTICS
 SILICONE PLASTICS
 RT ISOCYANATE PLASTICS

Thermosetting resins
 USE THERMOSETTING PLASTICS

THERMOSTATS
 BT TEMPERATURE CONTROL
 NT CRYOSTATS
 RT TEMPERATURE SENSITIVE
 ELEMENTS

Thiamine
 USE VITAMIN B COMPLEX

Thiazide diuretics
 USE DIURETICS

THICKNESS

THIN FILMS (STORAGE DEVICES)
 BT COMPUTER STORAGE DEVICES
 RT CRYOGENIC STORAGE DEVICES
 DATA STORAGE SYSTEMS
 SEMICONDUCTING FILMS

Thiokol
 USE SYNTHETIC RUBBER

THORAX
 UF Chest
 Ribs
 BT BODY

THORIUM ALLOYS
 BT ALLOYS

Threads
 USE FIBERS

Three-dimensional display systems
 USE STEREOSCOPIC DISPLAY
 SYSTEMS

THREE-DIMENSIONAL FLOW
 (Flow in which fluid undergoes a
 change of direction in two planes.)
 BT FLUID FLOW
 GAS FLOW
 RT FLUID DYNAMIC PROPERTIES

THRESHOLDS (PHYSIOLOGY)
 UF Auditory thresholds
 Olfactory thresholds
 Pain thresholds
 Visual thresholds
 RT ACUITY
 DEAFNESS
 HEARING
 PERCEPTION
 SENSORY MECHANISMS

THROAT
 UF Fauces
 Larynx
 Nasopharynx
 Pharynx
 RT ESOPHAGUS
 RESPIRATORY SYSTEM

THRUST
 BT AERODYNAMIC FORCES
 NT THRUST REVERSE
 RT ACCELERATION
 DOWNWASH
 DRAG
 GROUND EFFECT
 LIFT

THRUST AUGMENTOR NOZZLES
 BT EXHAUST NOZZLES
 NOZZLES
 RT ROCKET MOTOR NOZZLES

THRUST METERS
 BT PRESSURE GAGES
 RT MANOMETERS

THRUST REVERSE
 (Thrust directed opposite to the usual
 direction for braking.)
 UF Negative thrust
 Reverse thrust
 BT THRUST

**THRUST VECTOR CONTROL
 SYSTEMS**
 BT FLIGHT CONTROL SYSTEMS
 NT JET VANES
 RT ATTITUDE CONTROL SYSTEMS
 CONTROL JETS

Thruster cartridges
 USE CARTRIDGES (PAD)

Thrusters
 USE EXPLOSIVE ACTUATORS

Thulium compounds
 USE RARE EARTH COMPOUNDS

Thunderclouds
 USE CUMULONIMBUS CLOUDS

THUNDERSTORMS
 BT STORMS

Thurston's successive intervals
 USE FACTOR ANALYSIS

Thymus gland
 USE LYMPHATIC SYSTEM

THYROID GLAND
 BT ENDOCRINE GLANDS
 GLANDS

Tides (Atmospheric)
 USE ATMOSPHERIC TIDES

Tin propellers
 USE DUCTED FANS

TILT WINGS
 (Aircraft wings which can be rotated
 through 90 degrees along the lateral
 axis of the aircraft.)
 BT WINGS

Timber
 USE WOOD

TIME
 UF Time modulation
Time modulation
 USE MODULATION
 and TIME

TIME-LAG THEORY
Time-lag variables
 USE PARTIAL DIFFERENTIAL
 EQUATIONS

TIMING CIRCUITS
 BT CIRCUITS
 RT DELAY CIRCUITS

TIMING DEVICES
Timoshenko beam equation
 USE DIFFERENTIAL EQUATIONS

TIN COMPOUNDS

Tip tanks
 USE EXTERNAL STORES

TIRES
 RT VEHICLE WHEELS

TISSUE CULTURE
Tissue respiration
 USE OXYGEN CONSUMPTION

TISSUES (BIOLOGY)
 NT BONE
 RT BLOOD
 BODY
 CARDIOVASCULAR SYSTEM
 CELLS (BIOLOGY)
 HISTOLOGY
 MUSCLES
 MUSCULOSKELETAL SYSTEM
 PHYSIOLOGY
 SKELETON
 SKIN

TITANIUM
 BT METALS
 TRANSITION ELEMENTS

TITANIUM ALLOYS
 BT ALLOYS

TITANIUM COMPOUNDS
 BT CHEMICAL COMPOUNDS

Tobacco smokes
 USE SMOKES

Toes
 USE LEGS

TOGGLE SWITCHES
 BT ELECTRIC SWITCHES

TOLERANCES (MECHANICS)
 RT ACCEPTABILITY
 CALIBRATION
 QUALITY CONTROL
 STANDARDS

TOLERANCES (PHYSIOLOGY)
 NT ACCELERATION TOLERANCE
 HEAT TOLERANCE
 RADIATION TOLERANCE
 TOXIC TOLERANCES

Topography
 USE TERRAIN

Topological configurations
 USE TOPOLOGY

TOPOLOGY
 UF Clans
 Dynamical systems (Transformations)
 Homeomorphisms
 Mobs (Mathematics)
 Paracompact spaces
 Peano curve
 Sierpinski curve
 Topological configurations
 Torus action on euclidean space
 Trees (Mathematics)

TORNADOES
 BT ATMOSPHERIC MOTION
 METEOROLOGICAL PHENOMENA
 STORMS
 WIND

TORQUE
 RT VORTICES
Torque amplifiers
 USE SERVOMECHANISMS
Torque generators
 USE SYNCHROS
Torsigraphs
 USE TORSION METERS
Torsion balances
 USE BALANCES
TORSION METERS
 UF Torsigraphs
 BT METERS
Torsion products
 USE ALGEBRA
Torus action on euclidean space
 USE TOPOLOGY
Toss bombing computers
 USE BOMBING COMPUTERS

TOUCH
 UF Tactile perception
 Tactual perception
 BT PERCEPTION
 SENSORY MECHANISMS
 RT ACUITY

TOUCHDOWN
 RT LANDING

RUNWAYS

TOUGHNESS
 UF Impact toughness
 BT MECHANICAL PROPERTIES

TOWED BODIES
 UF Drogues
 RT AIR BRAKE FLAPS
 DRAG PARACHUTES
 WATER BRAKES

TOWED VEHICLES
 BT VEHICLES
 RT FUEL TRUCKS
 MAINTENANCE VEHICLES
 PASSENGER VEHICLES
 SLEDS
 SNOW VEHICLES
 TOWING VEHICLES

TOWERS
 UF Pylons (Markers)
 NT RADIO TOWERS

TOWING CABLES
 BT CABLES (MECHANICAL)

TOWING PLANES
 BT AIRCRAFT
 AIRPLANES

TOWING VEHICLES
 BT VEHICLES
 NT AIRCRAFT TRACTORS
 TRACTORS
 RT TOWED VEHICLES

TOXIC TOLERANCES
 UF Atropine tolerance
 Glucose tolerance
 Poison tolerance
 Potassium tolerance
 BT TOLERANCES (PHYSIOLOGY)
 RT DOSAGE

TOXICITY
 RT POISONING

TOXINS AND ANTITOXINS
 UF Antitoxins
 Bacterial toxins
 Endotoxins
 Exotoxins
 Microbial toxins
 BT BIOLOGICAL PRODUCTS

TRACER STUDIES
 RT LABELED SUBSTANCES
 RADIOACTIVE ISOTOPES

Tracers (Labeled substances)
 USE LABELED SUBSTANCES

Trachea
 USE RESPIRATORY SYSTEMS

Track test vehicles
 USE ROCKET-PROPELLED SLEDS

TRACK-WHILE-SCAN RADAR
 BT RADAR

TRACKING
 UF Doppler tracking systems
 Tracking systems
 NT MOVING-TARGET INDICATORS
 OPTICAL TARGET DESIGNATORS
 OPTICAL TRACKING
 RADAR TRACKING
 TARGET DESIGNATORS
 TARGET POSITION INDICATORS
 RT DETECTION
 DETECTORS
 DIRECTION FINDING STATIONS
 IDENTIFICATION SYSTEMS
 PLAN POSITION INDICATORS
 POSITION FINDING
 RANGES (DISTANCE)
 TARGET RECOGNITION

Tracking systems
 USE TRACKING

TRACKS (AERODYNAMICS)
 (Installations primarily for testing
 aerodynamic configurations at
 controlled velocities.)
 BT RANGES (ESTABLISHMENTS)
 TEST FACILITIES
 RT ROCKET-PROPELLED SLEDS

TRACTORS
 BT TOWING VEHICLES
 VEHICLES
 NT AIRCRAFT TRACTORS

Trade
 USE COMMERCE

Trade unions
 USE LABOR UNIONS

Tradeoffs
 USE PLANTS (BOTANY)

TRAFFIC

TRAFFIC
 NT AIR TRAFFIC
 AIRPORT SURFACE TRAFFIC
 RT TRANSPORTATION

TRAFFICABILITY
(The ability of substances, such as snow and soil to support traffic, including taxing airplanes, moving vehicles, and personnel.)
 RT SOIL MECHANICS

TRAILING CONTROL SURFACES
 BT AERODYNAMIC CONFIGURATIONS
 AERODYNAMIC CONTROL SURFACES
 CONTROL SURFACES
 NT AILERONS
 AIR BRAKE FLAPS
 ELEVATORS
 SLOTTED FLAPS
 SPLIT FLAPS
 TRIM TABS
 RT FINS
 FLAPS
 LEADING EDGE
 STABILIZERS (HORIZ TAIL SURFACES)
 STABILIZERS (VERT TAIL SURFACES)
 TRAILING EDGE

TRAILING EDGE
(The aft edge of an airfoil blade, etc., i.e. the edge over which the flow normally passes last.)
 BT AERODYNAMIC CONFIGURATIONS
 AERODYNAMIC CONTROL SURFACES
 CONTROL SURFACES
 RT TRAILING CONTROL SURFACES

Trainers
 USE TRAINING DEVICES

TRAINING
 NT INDUSTRIAL TRAINING
 MILITARY TRAINING
 RT LEARNING
 TRAINING DEVICES

Training aids
 USE TRAINING DEVICES

TRAINING DEVICES
 UF Trainers
 Training aids
 NT JET TRAINING PLANES
 RADAR TRAINERS
 TRAINING PLANES
 RT FLIGHT SIMULATORS
 INSTRUCTORS
 MILITARY TRAINING
 MODELS (SIMULATION)
 RADAR TARGET POSITION
 SIMULATORS
 SIMULATION
 TRAINING

TRAINING PLANES
 BT AIRCRAFT
 AIRPLANES
 TRAINING DEVICES
 NT JET TRAINING PLANES

TRAJECTORIES
 NT ASCENT TRAJECTORIES
 FREE-FLIGHT TRAJECTORIES
 ORBITAL TRAJECTORIES

Trajectories (Aircraft)
 USE FLIGHT PATHS

Tramways
 USE CONVEYORS

TRANQUILIZERS
 UF Ateraxics
 Meprobamate
 Psycholeptic agents
 Tranquilizing drugs
 BT CNS DEPRESSANTS

Tranquilizing drugs
 USE TRANQUILIZERS

Transcendental equations
 USE EQUATIONS

Transcendental functions
 USE FUNCTIONS

TRANSDUCERS
 UF Pressure transducers
 NT ELECTROACOUSTIC
 TRANSDUCERS
 HYDROPHONES

TRANSDUCERS (ACOUSTIC)
 NT HYDROPHONES

Transfer functions
 USE FUNCTIONS

TRANSFER OF TRAINING
 RT LEARNING

TRANSFER SWITCHES
 BT ELECTRIC SWITCHES
 RT ROTARY SWITCHES

Transfer trays
 USE CONVEYORS

TRANSFORMATIONS
 RT GRAIN STRUCTURES
 (METALLURGY)

TRANSFORMATIONS (MATHEMATICS)
 UF Baecklund transformations
 Mapping (Mathematics)
 NT CONFORMAL MAPPING
 INTEGRAL TRANSFORMS

TRANSFORMERS
 NT POWER TRANSFORMERS
 SATURABLE REACTORS
 RT CRYSTAL RECTIFIERS

TRANSIENTS
(Instantaneous surges of current or voltage produced by changes from one steady-state condition to another.)
TRANSISTOR AMPLIFIERS
 BT AMPLIFIERS
 RT MAGNETIC AMPLIFIERS
 PARAMETRIC AMPLIFIERS

TRANSISTORS
 UF Junction transistors
 Point-contact transistors
 BT SEMICONDUCTOR DEVICES
 RT DIODES (SEMICONDUCTOR)
 ELECTRON TUBES
 PHOTOELECTRIC CELLS
 (SEMICONDUCTOR)

Transition (Fluid flow)
 USE BOUNDARY LAYER TRANSITION

TRANSITION ELEMENTS
 BT METALS
 NT CHROMIUM
 COBALT
 MOLYBDENUM
 NICKEL
 NIOBIUM
 TANTALUM
 TITANIUM
 TUNGSTEN

TRANSITION FLIGHT
(Point of change between vertical and horizontal flight of VTOL airplanes.)
 BT FLIGHT
 RT HOVERING

TRANSITION TEMPERATURE
 BT TEMPERATURE
 NT HEAT OF FUSION

Translating machines
 USE MACHINE TRANSLATION

Transmission (Waves)
 USE WAVE TRANSMISSION

Transmission gain
 USE GAIN

TRANSMISSION LINES
 RT ANTENNA FEEDS
 DELAY LINES
 ELECTRIC CABLES
 ELECTRIC WIRE
 ELECTRICAL NETWORKS
 WAVEGUIDES

TRANSMISSIONS
 RT DRIVE SHAFTS
 GEARS

TRANSMITTER-RECEIVERS
 BT COMMUNICATION EQUIPMENT
 RADIO EQUIPMENT
 RT RADIO COMMUNICATION
 SYSTEMS
 RADIO RECEIVERS
 RADIO TRANSMITTERS
 WALKIE-TALKIES

TRANSOCEANIC
TRANSONIC AIRFOILS
 BT AERODYNAMIC CONFIGURATIONS
 AIRFOILS

TRANSONIC CHARACTERISTICS
 BT AERODYNAMIC
 CHARACTERISTICS
 FLUID DYNAMIC PROPERTIES

TRANSONIC FLIGHT
 BT FLIGHT

TRANSONIC FLOW
 BT GAS FLOW

TRANSONIC PLANES
 BT AIRCRAFT

AIRPLANES
TRANSONIC WIND TUNNELS
 BT WIND TUNNELS

TRANSPARENT PANELS
 BT PANELS (STRUCTURAL)
 STRUCTURAL PARTS
 RT AIRCRAFT CANOPIES
 AIRPLANE PANELS

TRANSPIRATION COOLING
(Cooling of materials and devices by forcing air through them.)
 BT COOLING

TRANSPONDERS
(Radio devices that receive interrogating or challenging signals and automatically transmit responses on the same or different frequencies.)
 RT INTERROGATORS
 RANGE FINDING

Transport gliders
 USE GLIDERS

TRANSPORT PLANES
 UF Cargo planes
 BT AIRCRAFT
 AIRPLANES
 NT JET TRANSPORT PLANES

TRANSPORT PROPERTIES
 RT DIFFUSION
 HEAT TRANSFER
 THERMAL CONDUCTIVITY
 VISCOSITY

Transport theory
 USE INTEGRAL EQUATIONS

Transport vehicles
 USE CARGO VEHICLES

TRANSPORTATION
 UF Shipping
 NT AIR TRANSPORTATION
 ARMED FORCES
 TRANSPORTATION
 CARGO
 RAILROADS
 RT HANDLING
 LOGISTICS
 TRAFFIC

Traumatic shock
 USE SHOCK (PATHOLOGY)

Traveling-wave amplifiers
 USE TRAVELING-WAVE TUBES

Traveling-wave antennas
 USE TRAVELING-WAVE TUBES

TRAVELING-WAVE TUBES
 UF Traveling-wave amplifiers
 Traveling-wave antennas
 BT ELECTRON TUBES
 NT BACKWARD-WAVE TUBES

TREES
 UF Osage orange
 BT PLANTS (BOTANY)
 RT FORESTRY
 JUNGLES
 WOOD

Trees (Mathematics)
 USE TOPOLOGY

Hamcinolone
 USE CORTICOSTEROID AGENTS

Triangular wings
 USE DELTA WINGS

Tricomi equation
 USE PARTIAL DIFFERENTIAL
 EQUATIONS

Trigeminal nerve
 USE NERVES

TRIGGER CIRCUITS
 BT CIRCUITS
 RT OSCILLATORS
 RELAXATION OSCILLATORS

Triggered gates
 USE GATES (CIRCUITS)

Trigonometric sum
 USE FOURIER ANALYSIS

TRIM
(The condition of an aircraft in which it maintains a fixed attitude with respect to the wind axes the moments about the aircraft axes being in equilibrium.)
 RT ANGLE OF ATTACK

TRIM TABS
 UF Aileron tabs
 Rudder tabs
 Tabs
 BT AERODYNAMIC CONFIGURATIONS

THESAURUS OF FAA DESCRIPTORS

AERODYNAMIC CONTROL SURFACES
 ATTITUDE CONTROL SYSTEMS
 CONTROL SURFACES
 TRAILING CONTROL SURFACES
 RT ELEVATORS

TRIODES
 UF Twin triodes
 BT ELECTRON TUBES

Trip wire flares
 USE FLARES

TROPICAL CYCLONES
 UF Hurricanes
 Typhoons
 BT ATMOSPHERIC MOTION
 METEOROLOGICAL PHENOMENA
 STORMS
 WIND
 RT CYCLONES

TROPICAL REGIONS

TROPICAL TESTS
 UF Jungle tests
 BT ENVIRONMENTAL TESTS
 TESTS

TROPOPAUSE
 BT ATMOSPHERE
 RT TROPOSPHERE

TROPOSPHERE
(The portion of the atmosphere from the surface of the earth to the tropopause.)
 BT ATMOSPHERE
 RT STRATOSPHERE
 TROPOPAUSE

Tubes
 USE PIPES

Tumors
 USE NEOPLASMS

TUNED AMPLIFIERS
 BT AMPLIFIERS

TUNED CIRCUITS
 UF Tuning circuits
 BT CIRCUITS
 RT CRYSTAL FILTERS

TUNGSTEN
 BT GROUP VI ELEMENTS
 METALS
 TRANSITION ELEMENTS

TUNGSTEN ALLOYS
 BT ALLOYS

TUNGSTEN COMPOUNDS

Tuning circuits
 USE TUNED CIRCUITS

TUNING DEVICES

TUNNEL DIODES
 UF Esaki diodes
 BT DIODES
 DIODES (SEMICONDUCTOR)
 SEMICONDUCTOR DEVICES

Tunnels
 USE UNDERGROUND STRUCTURES

TURBINE BLADES
 UF Turbine buckets
 NT GAS TURBINE BLADES
 RT IMPELLERS
 ROTOR BLADES
 (TURBOMACHINERY)
 TURBINE STATORS
 TURBINE WHEELS

Turbine buckets
 USE TURBINE BLADES

TURBINE STATORS
 RT IMPELLERS
 TURBINE BLADES
 TURBINE WHEELS

TURBINE WHEELS
 NT GAS TURBINE ROTORS
 RT COMPRESSOR ROTORS
 IMPELLERS
 TURBINE BLADES
 TURBINE STATORS

TURBINES
 NT AXIAL FLOW TURBINES
 GAS TURBINES
 RT COMPRESSORS
 FANS
 TURBOJET ENGINES

TURBO-RAMJET
 BT JET ENGINES
 RAMJET ENGINES
 TURBOJET ENGINES
 TURBOFAN ENGINES
 TURBOPROPELLER JET ENGINES
 JET ENGINES

TURBO-RAMJETS (Con)
 TURBOJET ENGINES
 RT DUCTED FANS
 TURBO RAMJETS
 TURBOPROPELLER JET ENGINES

TURBOJET ENGINES
 BT JET ENGINES
 NT TURBO RAMJETS
 TURBOFAN ENGINES
 TURBOPROPELLER JET ENGINES

RT AFTERBURNERS
 PULSEJET ENGINES
 RAMJET ENGINES
 TURBINES

TURBOJET EXHAUST NOZZLES
 BT EXHAUST NOZZLES
 NOZZLES

TURBOJET INLETS
 BT JET ENGINE INLETS

TURBOPROPELLER JET ENGINES
 BT JET ENGINES
 TURBOJET ENGINES

RT TURBO RAMJETS
 TURBOFAN ENGINES

Turbosupercharger blades
 USE ROTOR BLADES
 (TURBOMACHINERY)

TURBULENCE
 UF Atmospheric turbulence
 Turbulent flow

BT FLUID DYNAMIC PROPERTIES

RT AREA SUCTION
 ATMOSPHERIC MOTION
 AXIALLY SYMMETRIC FLOW
 BOUNDARY LAYER
 BOUNDARY LAYER CONTROL
 BOUNDARY LAYER TRANSITION
 CAVITATION
 CLEAR AIR TURBULENCE
 DRAG
 FLUID FLOW
 FLUTTER
 GUSTS
 JET MIXING FLOW
 JETS
 SLIPSTREAM
 VORTICES
 WAKE
 WIND

TURBULENT BOUNDARY LAYER
 BT BOUNDARY LAYER
 FLUID DYNAMIC PROPERTIES
 FLUID FLOW

RT BOUNDARY LAYER TRANSITION

Turbulent flow
 USE TURBULENCE

Turf
 USE GRASSES

Turn-and-bank indicators
 USE ATTITUDE INDICATORS

Turnbuckles
 USE POSITIONING DEVICES
 (MACHINERY)

Turnoff
 USE TAXING

TWILIGHT
 RT SKY BRIGHTNESS

Twin diodes (Electron tubes)
 USE DIODES (ELECTRON TUBES)

Twin diodes (Semiconductor)
 USE DIODES (SEMICONDUCTOR)

Twin triodes
 USE TRIODES

TWO-DIMENSIONAL FLOW
 BT FLUID FLOW
 GAS FLOW

RT FLUID DYNAMIC PROPERTIES

Tympanic cavity
 USE EAR

Tympanic membrane
 USE EAR

TYPEWRITERS
 RT INK
 PRINTING

Typhoons
 USE TROPICAL CYCLONES

Tyrosinase
 USE OXIDOREDUCTASES

U

ULTRAHIGH FREQUENCY (UHF)
 UF UHF communication system
 UHF filters

BT FREQUENCY
 RADIOFREQUENCY

NT L BAND

UHF communication systems
 USE RADIO COMMUNICATION
 SYSTEMS
 and ULTRAHIGH FREQUENCY

UHF filters
 USE RADIOFREQUENCY FILTERS
 and ULTRAHIGH FREQUENCY

Ultralow frequency
 USE EXTREMELY LOW FREQUENCY

Ultrasonic delay lines
 USE DELAY LINES

ULTRASONIC RADIATION
 UF Radiation (Ultrasonic)
 Ultrasonics

BT MECHANICAL WAVES
 SOUND

RT ACOUSTICS

Ultrasonics
 USE ULTRASONIC RADIATION

ULTRAVIOLET EQUIPMENT
 NT ULTRAVIOLET FILTERS

ULTRAVIOLET FILTERS
 BT FILTERS (ELECTROMAGNETIC
 WAVE)
 OPTICAL EQUIPMENT
 COMPONENTS
 OPTICAL FILTERS
 ULTRAVIOLET EQUIPMENT

RT PHOTOGRAPHIC FILTERS

Ultraviolet fire detectors
 USE FIRE ALARM SYSTEMS

ULTRAVIOLET RADIATION
 UF Ultraviolet waves
 BT ELECTROMAGNETIC WAVES
 OPTICAL PHENOMENA

ULTRAVIOLET SPECTROSCOPY
 BT SPECTROSCOPY

Ultraviolet waves
 USE ULTRAVIOLET RADIATION

UNDERGROUND EXPLOSIONS
 BT EXPLOSIONS
 RT NUCLEAR EXPLOSIONS

UNDERGROUND STRUCTURES
 UF Tunnels
 RT SHELTERS

UNDERWATER
 RT CAVITATION
 WAKE
 WATER ENTRY

UNDERWATER EQUIPMENT
 NT HYDROPHONES
 RT SHIP AUXILIARY EQUIPMENT

Unified field theory
 USE FIELD THEORY

UNITED STATES GOVERNMENT
 UF Congress
 Department of Commerce
 Department of State
 Federal government
 Government (United States)

NT FEDERAL AVIATION AGENCY
 RT DEPARTMENT OF DEFENSE
 POLITICAL SCIENCE

Units of radioactivity
 USE RADIOACTIVITY

Univalent functions
 USE FUNCTIONS

Univariate analysis
 USE STATISTICAL ANALYSIS

UNIVERSITIES
 UF Colleges

UPDATING (COMPUTERS)
 (To modify a master file according to
 current information which is often
 contained in a transaction field
 according to a procedure specified
 as part of a data processing activity.)

RT COMPUTERS
 DATA PROCESSING SYSTEMS
 PROGRAMMING (COMPUTERS)

Updrafts
 USE CONVECTION

Upkeep
 USE MAINTENANCE

UPPER ATMOSPHERE
 (Above the ionosphere)
 UF Magnetosphere
 BT ATMOSPHERE

Upper camber
 USE CAMBER

URBAN AREAS
 UF Cities
 Municipalities

RT POPULATION

UREA
URINE
 UF Oliguria
 BT BODY FLUIDS

UTILITY PLANES
 UF Liaison planes
 BT AIRCRAFT
 AIRPLANES

RT GENERAL AVIATION AIRCRAFT

Utility theory
 USE GAME THEORY

V

V-g recorders
 USE VERTICAL GUST RECORDERS

VACUUM APPARATUS
 (Excludes permanently sealed vacuum
 systems, e.g. vacuum tubes, as well
 as vacuum cleaners and the like.)

NT VACUUM PUMPS
 VACUUM SEALS

RT LOW-PRESSURE RESEARCH

VACUUM PUMPS
 BT PUMPS
 VACUUM APPARATUS

VACUUM SEALS
 UF High vacuum seals
 BT SEALS (STOPPERS)
 VACUUM APPARATUS

Vagus nerve
 USE NERVES

VALUE ENGINEERING
 (A systematic analysis of a function to
 find the optimum way to satisfy that
 function at a lesser cost.)

VALVES
 NT CUT-OFF VALVES
 HYDRAULIC VALVES
 LIQUID METAL PUMPS
 PLUG VALVES
 PNEUMATIC VALVES

VAN ALLEN RADIATION BELT
 RT AURORAE
 SPACE ENVIRONMENTAL
 CONDITIONS
 TERRESTRIAL MAGNETISM

VAN DE GRAAFF GENERATORS
 BT ELECTROSTATIC GENERATORS
 RT ELECTRIC DISCHARGES

VANADIUM ALLOYS
 BT ALLOYS

VAPOR PLATING
 BT COATINGS
 FINISHES & FINISHING
 PLATING

VAPOR PRESSURE
 BT PRESSURE
 RT HUMIDITY
 VAPORIZATION

Vapor trails
 USE CONDENSATION TRAILS

VAPORIZATION
 RT ABLATION
 EVAPORATION
 SUBLIMATION
 VAPOR PRESSURE

Vaporization of solids
 USE SUBLIMATION

VAPORS
 (Gaseous forms of substances that at
 ordinary temperature are solids or
 liquids.)
 BT FLUIDS

GASES
 NT STEAM
 WATER VAPOR

RT LIQUIDS

VARACTOR DIODES
 (Semiconductor diodes characterized
 by a voltage-sensitive capacitance
 that resides in the space-charge
 region at the surface of
 semiconductor bounded by an
 insulating layer.)

BT DIODES
 DIODES (SEMICONDUCTOR)
 SEMICONDUCTOR DEVICES

VARIABLE CAPACITORS
 BT CAPACITORS
 RT ELECTROLYTIC CAPACITORS

VARIABLE-INCIDENCE WINGS
 BT AERODYNAMIC CONFIGURATIONS
 WINGS

VARIABLE-INCIDENT WINGS
 BT WINGS

VARIABLE-PITCH PROPELLERS
 UF Adjustable-pitch propellers
 Controllable-pitch propellers

RT PROPELLERS (AERIAL)

VARIABLE-SWEEP WINGS
 BT AERODYNAMIC CONFIGURATIONS
 WINGS

RT SWEEP WINGS

Variance analysis
 USE ANALYSIS OF VARIANCE

Varnish removers
 USE PAINT REMOVERS

VARNISHES
 UF Lacquers
 BT COATINGS
 FINISHES & FINISHING

VASOACTIVE AGENTS
 UF Antihypertensive agents
 Vasodilators
 Vasomotor drugs
 Vasopressors

NT SYMPATHOMIMETIC AGENTS
 RT AMPHETAMINES
 AUTONOMIC AGENTS
 DRUGS
 EPINEPHRINE
 HISTAMINE
 LEVARTERENOL

Vasodilators
 USE VASOACTIVE AGENTS

Vasomotor drugs
 USE VASOACTIVE AGENTS

Vasopressin
 USE PITUITARY HORMONES

Vasopressors
 USE VASOACTIVE AGENTS

VECTOR ANALYSIS
Vector ballistocardiography
 USE BALLISTOCARDIOGRAPHY

Vector bundles
 USE ALGEBRAIC TOPOLOGY

Vector electrocardiography
 USE ELECTROCARDIOGRAPHY

Vector norm
 USE MATRIX ALGEBRA

Vector resolution
 USE MATRIX ALGEBRA

VEGETABLE OILS
 UF Castor oil
 Cottonseed oil
 Olitic oil

BT OILS
 ORGANIC MATERIALS

RT FOOD

VEHICLE BRAKES
 UF Aircraft wheel brakes
 BT BRAKES
 RT VEHICLE WHEELS

VEHICLE CHASSIS COMPONENTS
 RT BRAKES

Vehicle seats
 USE SEATS

VEHICLE WHEELS
 RT TIRES
 VEHICLE BRAKES

VEHICLES
 (Ground transportation devices.)
 UF Carriers (Vehicles)
 NT AIRCRAFT TRACTORS
 AMBULANCES
 CARGO VEHICLES
 CRASH VEHICLES
 FIREFIGHTING VEHICLES

- VEHICLES (Con.)**
 FUEL TRUCKS
 MAINTENANCE VEHICLES
 PASSENGER VEHICLES
 RECOVERY VEHICLES
 SLEDS
 SNOW VEHICLES
 TOWED VEHICLES
 TOWING VEHICLES
 TRACTORS
- VEINS**
 BT BLOOD VESSELS
 CARDIOVASCULAR SYSTEM
 RT ARTERIES
- VELOCITY**
 UF Speed
 NT AIRSPEED
 FLIGHT SPEEDS
 GROUND SPEED
 MACH NUMBER
 RT ACCELERATION
 DECELERATION
 MOTION
 SPIN
- Veneer**
 USE PLYWOOD
- VENTILATION**
 RT COOLING & VENTILATING
 EQUIPMENT
 LIFE SUPPORT
- VENTILATION DUCTS**
 BT COOLING & VENTILATING
 EQUIPMENT
 RT AIR CONDITIONING EQUIPMENT
 REFRIGERATION SYSTEMS
 TANK VENTS
- Ventricular fibrillation**
 USE ARRHYTHMIA
- VERBAL BEHAVIOR**
 BT BEHAVIOR
 RT PSYCHOLOGY
 SPEECH
- Vertebrae**
 USE SPINAL COLUMN
- VERTICAL INDICATORS**
 BT ATTITUDE INDICATORS
 FLIGHT INSTRUMENTS
 RT HORIZON SCANNERS
 HORIZONTAL INDICATORS
 STALL-WARNING INDICATORS
- Vertical perception**
 USE PROPRICEPTION
- VERTICAL STABILITY**
 USE FLIGHT CHARACTERISTICS
- VERTICAL TAKE-OFF PLANES**
 UF VTOL
 BT AIRCRAFT
 AIRPLANES
 SHORT TAKE-OFF PLANES
 RT AUTOGYROS
 CONVERTIBLE AIRPLANES
 FLYING PLATFORMS
 HELICOPTERS
- VERTICAL-GUST RECORDERS**
 UF V-g recorders
 BT METEOROLOGICAL
 INSTRUMENTS
 RECORDING DEVICES
 RT ANEMOMETERS
 WIND
 WIND-DIRECTION INDICATORS
- VERTIGO**
 UF Dizziness
 RT PROPRICEPTION
- VERY HIGH FREQUENCY (VHF)**
 (30 to 300 mc.)
 UF VHF communication systems
 UHF waves
 BT FREQUENCY
 RADIOFREQUENCY
- VHF communication systems**
 USE RADIO COMMUNICATION
 SYSTEMS
 and VERY HIGH FREQUENCY
- VHF filters**
 USE RADIOFREQUENCY FILTERS
 and VERY HIGH FREQUENCY
- VERY LOW FREQUENCY**
VERY LOW FREQUENCY (VLF)
 (3 to 30 kc.)
 UF Very low frequency communication
 systems
 BT FREQUENCY
- VLF communication systems**
 USE RADIO COMMUNICATION
 SYSTEMS
- and VERY LOW FREQUENCY
- VESTIBULAR APPARATUS**
 BT EAR
 NT SEMICIRCULAR CANALS
 RT MOTION SICKNESS
- Vestibular nerve**
 USE NERVES
- Veterinarians**
 USE MEDICAL PERSONNEL
- VIABILITY**
- VIBRATION**
 UF Buzz
 BT MECHANICAL WAVES
 MOTION
 RT DAMPING
 OSCILLATION
 RESONANCE
- VIBRATION ISOLATORS**
 UF Flutter suppressors
 Insulation (Mechanical)
 Suppressors (Vibration)
 RT ABSORPTION
- Vibration mechanisms**
 USE VIBRATORS (MECHANICAL)
- VIBRATORS (ELECTRICAL)**
 RT INVERTER CIRCUITS
- VIBRATORS (MECHANICAL)**
 UF Vibration mechanisms
 RT TEST EQUIPMENT
- VIDEO AMPLIFIERS**
 BT AMPLIFIERS
 RT CRYSTAL VIDEO RECEIVERS
- Video delay lines**
 USE DELAY LINES
- VIDEO FILTERS**
 BT FILTERS (ELECTROMAGNETIC
 WAVE)
 RT TELEVISION EQUIPMENT
- VIDEO NETWORKS**
 BT NETWORKS
- Video receivers (Radar crystal)**
 USE CRYSTAL VIDEO RECEIVERS
- Video receivers (Television)**
 USE TELEVISION RECEIVERS
- Video relays**
 USE MICROWAVE RELAY SYSTEMS
- VIDEO SIGNALS**
 BT SIGNALS
 RT RADAR SIGNALS
- VIEWING SCREENS**
 UF Screens (Viewing)
 NT CATHODE RAY TUBE SCREENS
 RT DISPLAY SYSTEMS
- Vigilance**
 USE ATTENTION
- VINYL PLASTICS**
 BT PLASTICS
- VISCOELASTICITY**
 RT ELASTICITY
 VISCOSITY
- VISCOSITY**
 RT FLUID FLOW
 FLUID MECHANICS
 TRANSPORT PROPERTIES
 VISCOELASTICITY
- VISIBILITY**
 BT OPTICAL PROPERTIES
 RT ATMOSPHERIC REFRACTION
 HAZE
 ILLUMINATION
 LIGHT TRANSMISSION
 METEOROLOGICAL PARAMETERS
 REFLECTION
- VISION**
 UF Anisokonia
 Dark adaptation
 Light adaptation
 Myopia
 Night vision
 Optical illusions
 Sight
 Visual after-images
 Visual factors
 Visual perception
 Visual thresholds
 BT PERCEPTION
 SENSORY MECHANISMS
 RT BLINDNESS
 COLOR VISION
 EYE
 FLASHBLINDNESS
 VISUAL ACUITY
- Vision**
 USE HELMETS
- VISUAL ACUITY**
 BT ACUITY
 RT VISION
- Visual after-images**
 USE AFTERIMAGES
 and VISION
- Visual factors**
 USE VISION
- VISUAL FLIGHT**
 BT FLIGHT
 RT INSTRUMENT FLIGHT
- Visual perception**
 USE VISION
- VISUAL SIGNALS**
 BT SIGNALS
- Visual thresholds**
 USE THRESHOLDS (PHYSIOLOGY)
 and VISION
- Vitamin B**
 USE VITAMIN B COMPLEX
- VITAMIN B COMPLEX**
 UF Aminobenzoic acid (Para)
 Biotin
 Cyanocobalamin
 Folic acid
 Niacin
 Nicotinic acid
 Pyridoxine
 Riboflavin
 Thiamine
 Vitamin B
- VOCABULARY**
 BT LANGUAGE
 RT DOCUMENTATION
 SPEECH
- Vocational tests**
 USE APTITUDE TESTS
- VOICE COMMUNICATION SYSTEMS**
 BT COMMUNICATION SYSTEMS
 RT INTERCOMMUNICATION SYSTEMS
 TELEPHONE COMMUNICATION
 SYSTEMS
- Voltage**
 USE ELECTRIC POTENTIAL
- VOLTAGE AMPLIFIERS**
 BT AMPLIFIERS
- Voltage changes**
 USE ELECTRIC POTENTIAL
- VOLTAGE REGULATORS**
 UF Voltage-regulator tubes
 BT STABILIZATION SYSTEMS
 RT DISCHARGE TUBES
 INVERTER CIRCUITS
- Voltage-regulator tubes**
 USE VOLTAGE REGULATORS
- Volta, integral equation**
 USE INTEGRAL EQUATIONS
- VOLTMETERS**
 BT MEASURING DEVICES (ELECT
 AND ELECTR)
 RT POTENTIOMETERS
- VOLUME**
- VOLUMETRIC ANALYSIS**
 BT CHEMICAL ANALYSIS
 QUANTITATIVE ANALYSIS
- Vomiting**
 USE EMESIS
- Von Mises statistic**
 USE PROBABILITY
- VOR (VHF OMNIDIRECTIONAL
 RADIO RANGE)**
 UF Omnidirectional radio range
 Omnisrange
 RT DIRECTION FINDING
 POSITION FINDING
 RADIO NAVIGATION
- VORTEX GENERATORS**
 BT AERODYNAMIC CONFIGURATIONS
 BOUNDARY LAYER CONTROL
 SYSTEMS
- VORTEX THERMOMETERS**
 BT METERS
 THERMOMETERS
 RT RESISTANCE THERMOMETERS
- Vortex tubes**
 USE HILSCH TUBES
- VORTICES**
 UF Rotational flow
 BT FLUID FLOW
 RT SLIPSTREAM
 TORQUE
 TURBULENCE
- VPR**
 USE PLAN POSITION INDICATORS
- VTOL**
 USE VERTICAL TAKE-OFF PLANES
- VULNERABILITY**
 RT DAMAGE
 EXPLOSION EFFECTS
 EXPLOSIONS
 PENETRATION

W

WAGES

UF Pay

Payroll

Salaries

RT COSTS

WAGR test

USE STATISTICAL TESTS

Waiting line theory

USE QUEUEING THEORY

WAKE

(The detectable path left by a body

moving through a fluid.)

NT SLIPSTREAM

RT BUBBLES

CAVITATION

CONDENSATION TRAILS

DOWNWASH

DRAG

GROUND EFFECT

TURBULENCE

UNDERWATER

WATER ENTRY

Wald's sequential tests

USE STATISTICAL TESTS

WALKIE-TALKIES

BT COMMUNICATIONS EQUIPMENT

RADIO EQUIPMENT

RADIOTELEPHONES

RT RADIO RECEIVERS

RADIO TRANSMITTERS

TRANSMITTER-RECEIVERS

War casualties

USE CASUALTIES

WAREHOUSES

BT BUILDINGS

RT STORAGE

SUPPLY DEPOTS

WARFARE

UF Battle,

Combat

NT ELECTROMAGNETIC WARFARE

NUCLEAR WARFARE

RADIOLOGICAL WARFARE

TACTICAL WARFARE

RT ARMED FORCES OPERATIONS

Warm-up aprons

USE APRONS

WARNING SYSTEMS

UF Alarms

Anti-intrusion alarms

NT EARLY WARNING SYSTEMS

FIRE ALARM SYSTEMS

PILOT WARNING INDICATORS

STALL-WARNING INDICATORS

TEMPERATURE-WARNING

SYSTEMS

RT COLLISION AVOIDANCE

DEFENSE SYSTEMS

DETECTION

RADIATION MONITORS

SAFETY

WASTE GASES

UF Exhaust gases (industrial waste)

Stock gases

BT WASTES (INDUSTRIAL)

RT ATMOSPHERIC POLLUTION

SMOKES

WASTES (INDUSTRIAL)

(Waste products of all types of

commercial or industrial activities

whether or not considered from a

sanitation standpoint.)

UF Chemical waste

NT RADIOACTIVE WASTE

SLAGS

WASTE GASES

RT ATMOSPHERIC POLLUTION

X BAND**X****X BAND**

(5200 to 11,000 mc)

BT FREQUENCY
 MICROWAVE FREQUENCY
 RADIOFREQUENCY
 SUPERHIGH FREQUENCY

RT C BAND

X RAYS

UF Characteristic X rays
 Roentgen rays

BT ELECTROMAGNETIC WAVES
 RT GAMMA RAYS

X-RAY DIFFRACTION ANALYSIS

BT DIFFRACTION ANALYSIS

RT CRYSTAL STRUCTURE
 OPTICAL ANALYSIS

X-RAY DIFFRACTION CAMERAS

RT HIGH-SPEED CAMERAS

X-RAY PHOTOGRAPHY

BT PHOTOGRAPHY
 RADIOGRAPHY

X-ray photometers

USE PHOTOMETERS

Xanthine oxidase

USE OXIDOREDUCTASES

Xerography

USE ELECTROPHOTOGRAPHY

Y**Yarn**

USE FIBERS

YAW

BT MOTION

RT FLIGHT CHARACTERISTICS

YAWMETERS

BT ATTITUDE INDICATORS

FLIGHT INSTRUMENTS

RT HORIZONTAL SCANNERS

HORIZONTAL INDICATORS

STALL-WARNING INDICATORS

YEASTS

UF Saccharomyces

RT FUNGI

THESAURUS OF FAA DESCRIPTORS

Ytterbium compounds

USE RARE EARTH COMPOUNDS

Z**Z-forms**

USE OPERATIONAL CALCULUS

Zeta function

USE SPECIAL FUNCTIONS
 (MATHEMATICAL)

ZINC COMPOUNDS

BT CHEMICAL COMPOUNDS

Zooming

USE CLIMBING