NASA Thesaurus
Aeronautics Vocabulary
INTRODUCTION

The NASA Thesaurus Aeronautics Vocabulary consists of terms used by NASA indexers as descriptors for aeronautics related documents. The terms are presented in a hierarchical format derived from the 1988 edition of the NASA Thesaurus Volume 1—Hierarchical Listing and its supplements. Main (postable) terms and nonpostable cross references are listed in alphabetical order.

READING THE HIERARCHY

Each main term is followed by a display of its context within a hierarchy. USE references, UF (used for) references, and SN (scope notes) appear immediately below the main term, followed by GS (generic structure), the hierarchical display of term relationships. The hierarchy is headed by the broadest term within that hierarchy. Terms that are broader in meaning than the main term are listed above the main term; terms narrower in meaning are listed below the main term. The term itself is in boldface for easy identification. Finally, a list of related terms (RT) from other hierarchies is provided.

Within a hierarchy, the number of dots to the left of a term indicates its hierarchical level—the more dots, the lower the level (i.e., the narrower the meaning of the term). For example, the term “CAMBERED WINGS” which is preceded by two dots is narrower in meaning than “WINGS”; this in turn is narrower than “AIRFOILS”. This relationship can be seen in the hierarchy of any of these three terms.

While all broader, narrower, and related terms in a hierarchy are main entries from the NASA Thesaurus, some hierarchy terms do not appear as main entries in the NASA Thesaurus Aeronautics Vocabulary. The reason is that a term may appear as part of a hierarchy or related term list but is not itself an appropriate main entry in the minithesaurus. For example, the display for “LAUNCHING” in the Aeronautics Vocabulary shows “ORBITAL LAUNCHING” as a narrower term, but there is no main entry for “ORBITAL LAUNCHING” which is not within the scope of aeronautics.

Other features include array terms identified by an infinity symbol which organize related concepts under very general headings; scope notes (SN), which restrict the use of a term to a certain context; and used for (UF) terms, which are nonpostable variations of the terms that have been cross referenced to the postable main term.

NASA MINITHESAURI

The NASA Thesaurus Aeronautics Vocabulary is the second minithesaurus produced from the NASA Thesaurus. The first minithesaurus, the NASA Thesaurus Astronomy Vocabulary, was produced in 1988 as NASA SP-7069 and contained 1600 terms.

Since this is the first edition of the NASA Thesaurus Aeronautics Vocabulary, it is especially important that any suggestions for term modification, deletion and addition be addressed to: Lexicographer, NASA Scientific and Technical Information Facility, P.O. Box 8757, BWI Airport, MD 21240.
TYPICAL HIERARCHICAL LISTING ENTRY

POSTABLE TERM

USED FOR TERM

GENERIC STRUCTURE

RELATED TERMS

ARRAY TERM (=*>

TYPICAL USE CROSS REFERENCE ENTRY

NONPOSTABLE TERM

POSTABLE TERM

TYPICAL ARRAY TERM ENTRY

ARRAY TERM (=*>

SCOPE NOTE

USED FOR

RELATED TERM

(etc.)
NASA THESAURUS

AERONAUTICS VOCABULARY

A-1 AIRCRAFT
UF SKYRAIDER AIRCRAFT
GS ATTACK AIRCRAFT
A-1 AIRCRAFT
MCDONNELL DOUGLAS AIRCRAFT
DOUGLAS AIRCRAFT
MONoplanes
A-1 AIRCRAFT
RT = AIRCRAFT

A-2 AIRCRAFT
UF SAVAGE AIRCRAFT
GS ATTACK AIRCRAFT
BOMBER AIRCRAFT
A-2 AIRCRAFT
JET AIRCRAFT
A-2 AIRCRAFT
MONoplanes
A-2 AIRCRAFT
NORTH AMERICAN AIRCRAFT
A-2 AIRCRAFT
OBSERVATION AIRCRAFT
A-2 AIRCRAFT
RT = AIRCRAFT

A-3 AIRCRAFT
UF A3D AIRCRAFT
SKYWARrior AIRCRAFT
GS ATTACK AIRCRAFT
BOMber AIRCRAFT
A-3 AIRCRAFT
JET AIRCRAFT
A-3 AIRCRAFT
MONoplanes
A-3 AIRCRAFT
RT = AIRCRAFT

A-4 AIRCRAFT
UF A4D AIRCRAFT
SKYHAWK AIRCRAFT
GS ATTACK AIRCRAFT
BOMBER AIRCRAFT
A-4 AIRCRAFT
JET AIRCRAFT
A-4 AIRCRAFT
MCDONNELL DOUGLAS AIRCRAFT
DOUGLAS AIRCRAFT
A-4 AIRCRAFT
MONoplanes
A-4 AIRCRAFT
RT = AIRCRAFT
J-85 ENGINE

A-5 AIRCRAFT
UF A5D AIRCRAFT
VIGILANTE AIRCRAFT
GS ATTACK AIRCRAFT
BOMBER AIRCRAFT
A-5 AIRCRAFT
JET AIRCRAFT
A-5 AIRCRAFT
MONoplanes
A-5 AIRCRAFT
NORTH AMERICAN AIRCRAFT
A-5 AIRCRAFT
SUPersonic AIRCRAFT
A-5 AIRCRAFT
RT = AIRCRAFT

A-6 AIRCRAFT
UF A6F AIRCRAFT
INTRUDER AIRCRAFT
GS ATTACK AIRCRAFT

ABLATIVE NOSE CONES (CONT.)
MCDONNELL DOUGLAS AIRCRAFT
BOMBER AIRCRAFT
A-4 AIRCRAFT
GRUMMAN AIRCRAFT
A-6 AIRCRAFT
JET AIRCRAFT
A-4 AIRCRAFT
MONoplanes
A-6 AIRCRAFT
RT = AIRCRAFT

ABLATION
RT ABLATION
HEAT SHIELDING
REENTRY SHIELDING
REENTRY VEHICLES
ROCKET NOSE CONES
SHIELDING

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

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

ABORT TRAJECTORIES
GS TRAJECTORIES
ABORT TRAJECTORIES
RT ABORTED MISSIONS
MATS (SYSTEMS)

ABORTED MISsIONS
RT ABORT APPARATUS
ABORT TRAJECTORIES
DESTRUCTION
ENGINE FAILURE
ESCAPE CAPSULES
ESCAPE ROCKETS
FAILURE
MISsIONS

ABSORPTION COOLING
GS COOLING
ABSORPTION COOLING
RT = ABSORPTION
AMMONIA
MAGNETIC COOLING
REFRIGERANTS

AC-1 AIRCRAFT
USE DH C 4 AIRCRAFT

ACCELERATION
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)
RT ACCELERATION (PHYSICS)
ACCELERATION PROTECTION
ACCELERATION STRESSES
PHYSIOLOGY
ACCELERATORS
ANGULAR ACCELERATION
CATALYSIS
ELECTROMAGNETIC ACCELERATION
ELECTRON ACCELERATION
GRAVIMETRY
HIGH ACCELERATION
<table>
<thead>
<tr>
<th>AERODYNAMIC FORCES</th>
<th>AERODYNAMIC LOADS</th>
<th>AERODYNAMIC INTERFERENCE</th>
<th>AERODYNAMIC HEATING</th>
<th>AERODYNAMIC HEAT TRANSFER</th>
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<tr>
<td>GS AERODYNAMIC FORCES</td>
<td>GS USE LIFT</td>
<td>GS RT AERODYNAMICS</td>
<td>GS GS TRANSMISSION</td>
<td>GS UF TRANSMISSION</td>
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<td>GS RESISTANCE</td>
<td>GS TURBULENT FLOW</td>
<td>GS CONTROL SURFACES</td>
<td>GS CONVECTIVE HEAT TRANSFER</td>
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<td>GS AERODYNAMICS</td>
<td>GS RAPID</td>
<td>GS UNCONTROLLED REENTRY</td>
<td>GS UNSTEADY AERODYNAMICS</td>
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<tr>
<td>GS UTILITY</td>
<td>GS WING PROFILES</td>
<td>GS PROTUBERANCES</td>
<td>GS INTERFERENCE</td>
<td>GS AIRFOIL PROFILES</td>
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<td>GS AIRCRAFT STRUCTURES</td>
<td>GS AIRCRAFT CONFIGURATIONS</td>
<td>GS •</td>
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<tr>
<td>GS UNSTEADY AERODYNAMICS</td>
<td>GS LEADING EDGE THRUST</td>
<td>GS VORTEX FLAPS</td>
<td>GS TURBULENCE</td>
<td>GS SATURATE</td>
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</tbody>
</table>

- GS: Ground Speed
- RT: Reentry Temperature
AGENA A ROCKET VEHICLE

AFTERBURNING (CONT.)
INTERNAL COMBUSTION ENGINES
  J-57 ENGINE
  J-57-P-20 ENGINE
JET ENGINES
THRUST AUGMENTATION

AGENA A ROCKET VEHICLE
ROCKET VEHICLES
  SINGLE STAGE ROCKET VEHICLES
  AGENA ROCKET VEHICLES
  AGENA C ROCKET VEHICLE
RT DISCOVERER SATELLITES
THOR AGENA LAUNCH VEHICLE

AGENA B ROCKET VEHICLE
ROCKET VEHICLES
  SINGLE STAGE ROCKET VEHICLES
  AGENA ROCKET VEHICLES
  AGENA B ROCKET VEHICLE
RT DISCOVERER SATELLITES
ECHO SATELLITES
EGO
GEMINI PROJECT
MARINER PROGRAM
OAO
POGO
RANGER PROJECT

AGENA C ROCKET VEHICLE
ROCKET VEHICLES
  SINGLE STAGE ROCKET VEHICLES
  AGENA ROCKET VEHICLES
  AGENA D ROCKET VEHICLE
RT DISCOVERER SATELLITES
ECHO SATELLITES
EGO
GEMINI PROJECT
MARINER PROGRAM
OAO
POGO
RANGER PROJECT
THOR AGENA LAUNCH VEHICLE

AGENA D ROCKET VEHICLE
ROCKET VEHICLES
  SINGLE STAGE ROCKET VEHICLES
  AGENA ROCKET VEHICLES
  AGENA D ROCKET VEHICLE
RT DISCOVERER SATELLITES
ECHO SATELLITES
EGO
GEMINI PROJECT
MARINER PROGRAM
OAO
POGO
RANGER PROJECT
THOR AGENA LAUNCH VEHICLE

AGRICULTURAL AIRCRAFT
GENERAL AVIATION AIRCRAFT
AGRICULTURAL AIRCRAFT
RT AGRICULTURE
  AIRCRAFT
  CROP DUSTING
  LIGHT AIRCRAFT
  SWATH WIDTH

AH-64 HELICOPTER
V/STOL AIRCRAFT
  TERRAIN FOLLOWING AIRCRAFT
RT MILITARY AIRCRAFT

AH-63 HELICOPTER
ATTACK AIRCRAFT
AH-63 HELICOPTER
BELL AIRCRAFT
AH-63 HELICOPTER
RT MILITARY AIRCRAFT
TERRAIN FOLLOWING AIRCRAFT

AH-44 HELICOPTER
ATTACH AIRCRAFT
  AH-44 HELICOPTER
HUGHES AIRCRAFT
AH-44 HELICOPTER
V/STOL AIRCRAFT
  ROTARY WING AIRCRAFT
  HELICOPTERS
  MILITARY HELICOPTERS
  AH-44 HELICOPTER
RT AIR BREATHING BOOSTERS

AH-44 HELICOPTER (CONT.)
MILITARY AIRCRAFT
TERRAIN FOLLOWING AIRCRAFT

AIR BLASTS
USE AERIAL EXPLOSIONS

AIR BREATHING ENGINES
GS ENGINES
  AIR BREATHING ENGINES
  GAS TURBINE ENGINES
  JET ENGINES
  RAMJET ENGINES
  INTEGRAL ROCKET RAMJETS
  LOW VOLUME RAMJET ENGINES
  PULSEJET ENGINES
  SUPersonic COMBustion
  RAMJET ENGINES
  TURBOramjet ENGINES
  TURBOJET ENGINES
  BRISTOL-SIDDELEY OLYMPUS
  BRISTOL-SIDDELEY Viper
  ENGINE
  DUCTED FAN ENGINES
  J-33 ENGINE
  J-44 ENGINE
  J-47 ENGINE
  J-57 ENGINE
  J-57-P-20 ENGINE
  J-65 ENGINE
  J-89-T-25 ENGINE
  J-90 ENGINE
  J-97 ENGINE
  J-10 ENGINE
  J-10 ENGINE
  J-53 ENGINE
  J-64 ENGINE
  J-74 ENGINE
  J-85 ENGINE
  J-93 ENGINE
  RA-28 ENGINE
  TURBOFAN ENGINES
  BRISTOL-SIDDELEY BS 53
  ENGINE
  CF-700 ENGINE
  CONVERTIBLE FAN-SHAFT
  ENGINE
  J-97 ENGINE
  TF-41 ENGINE
  TURBOPROP ENGINES
  T-53 ENGINE
  T-56 ENGINE
  T-64 ENGINE
  T-74 ENGINE
  TURBOramjet ENGINES
  T-56-GE-85 ENGINE

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

AIR CUSHION VEHICLES
USE GROUND EFFECT MACHINES

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

AIR DROP OPERATIONS
RT BAILOUT
  BALLISTICS
  CARGO
  DELIVERY
  FREE FALL
  OPERATIONS
  PARACHUTES
  PARAVULCONS
  PARAWINGS

AIR GRAB OPERATION
GS GRAB
  AIR GRAB OPERATIONS
  ANNUAL DUTCH BLOWERS
  EXHAUST NOZZLES

AIR DUCTS
GS DUCTS
  AIR DUCTS
  ANNUAL DUTCH BLOWERS
  EXHAUST NOZZLES
AIR TRAFFIC CONTROLLERS (PERSONNEL)

AIR TRAFFIC CONTROL (CONT.)

AIR TRAFFIC CONTROLLERS (PERSONNEL)

AIR TRAFFIC CONTROL

- USE EUROPEAN AIRBUS

USE AIRCRAFT

= AIRCRAFT

SN

USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW

UF AERODYNAMIC VEHICLES

RT A-1 AIRCRAFT

A-2 AIRCRAFT

A-3 AIRCRAFT

A-4 AIRCRAFT

A-5 AIRCRAFT

A-6 AIRCRAFT

A-7 AIRCRAFT

A-9 AIRCRAFT

A-10 AIRCRAFT

A-37 AIRCRAFT

A-500 AIRCRAFT

ADVANCED RANGE INSTRUMENTATION AIRCRAFT

AERODYNAMICS

AERONAUTICS

AEROSPACE ENGINEERING

AEROSPACE INDUSTRY

AEROSPACE ENGINES

AEROSPACE VEHICLES

AGRICULTURAL AIRCRAFT

AIR DATA SYSTEMS

AIR FORCE

AIR FORCE INSTRUMENTS

AIR FORCE SAFETY

AIR FORCE SPECIFICATIONS

AIRFRAME SPECIFICATIONS

AIRFRAME STABILITY

AIRFRAME STRUCTURES

AIRFRAME SURVIVABILITY

AIRFRAME TIES

AIRFRAME WAKES

AIRSHIPS

ALADIN 2 AIRCRAFT

ALOURET AEROSPACE

AMPHIBIOUS AIRCRAFT

AN-2 AIRCRAFT

AN-22 AIRCRAFT

AN-24 AIRCRAFT

ANTISUBMARINE WARFARE AIRCRAFT

ANTONOV AIRCRAFT

ARGOSY MX-1 AIRCRAFT

ASSET GUIDES

ATTACK AIRCRAFT

AVRO 707 701 AIRCRAFT

AWACS AIRCRAFT

B-1 AIRCRAFT

B-24 AIRCRAFT

B-25 AIRCRAFT

B-26 AIRCRAFT

B-27 AIRCRAFT

B-28 AIRCRAFT

B-30 AIRCRAFT

B-31 AIRCRAFT

B-32 AIRCRAFT

B-33 AIRCRAFT

B-34 AIRCRAFT

B-35 AIRCRAFT

B-36 AIRCRAFT

B-37 AIRCRAFT

B-38 AIRCRAFT

B-39 AIRCRAFT

B-40 AIRCRAFT

B-41 AIRCRAFT

B-42 AIRCRAFT

B-43 AIRCRAFT

B-44 AIRCRAFT

B-45 AIRCRAFT

B-46 AIRCRAFT

B-47 AIRCRAFT

B-48 AIRCRAFT

B-49 AIRCRAFT

B-50 AIRCRAFT

B-51 AIRCRAFT

B-52 AIRCRAFT

B-53 AIRCRAFT

B-54 AIRCRAFT

B-55 AIRCRAFT

B-56 AIRCRAFT

B-57 AIRCRAFT

B-58 AIRCRAFT

B-59 AIRCRAFT

B-60 AIRCRAFT

B-61 AIRCRAFT

B-62 AIRCRAFT

B-63 AIRCRAFT
AIRCRAFT ACCIDENT INVESTIGATION

AIRCRAFT (CONT.)
- XV-4 AIRCRAFT
- XV-5 AIRCRAFT
- XV-8A AIRCRAFT
- XV-9A AIRCRAFT
- XV-11A AIRCRAFT
- XV-15 AIRCRAFT
- YAK 40 AIRCRAFT
- YC-14 AIRCRAFT
- YF-12 AIRCRAFT
- YF-16 AIRCRAFT

AIRCRAFT ACCIDENT INVESTIGATION
GS INVESTIGATION
- ACCIDENT INVESTIGATION
- AIRCRAFT ACCIDENT INVESTIGATION
RT - AIRCRAFT
- AVIATION METEOROLOGY
- INSURANCE (CONTRACTS)

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

AIRCRAFT ANTENNAS
GS ANTENNAS
- AIRCRAFT ANTENNAS
RT - AIRCRAFT
- LOOP ANTENNAS
- MICROWAVE ANTENNAS
- MISSILE ANTENNAS
- PROTOTYPES
- RADAR ANTENNAS
- RADIO ANTENNAS

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

AIRCRAFT BASES
USE MILITARY AIR FACILITIES

AIRCRAFT BRAKES
GS BRAKES (FOR ARRESTING MOTION)
- AIRCRAFT BRAKES
  - SPLICE FLAPS
  - WING FLAPS
  - LEADING EDGE SLATS
  - TRAILING EDGE FLAPS
RT AERODYNAMIC BRAKES
- AIRCRAFT
- ANTISKID DEVICES
- BALLUTES
- DRAG CHUTES
- DRAG DEVICES
- THRUST REVERSAL
- TOWED BODIES
- WHEEL BRAKES

AIRCRAFT CABINS
USE AIRCRAFT COMPARTMENTS

AIRCRAFT CARRIERS
GS SURFACE VEHICLES
- AIRCRAFT CARRIERS
- WATER VEHICLES
- SHIPS
RT - AIRCRAFT
- ARRESTING GEAR
- CARRIERS
- MILITARY AIRCRAFT
- MILITARY VEHICLES
- NAVY
- NUCLEAR POWERED SHIPS

AIRCRAFT COMMUNICATION
GS COMMUNICATING
- AERONAUTICAL SATELLITES
- TELECOMMUNICATION
RT - AIRCRAFT COMMUNICATION
- AIR TRAFFIC CONTROL
- AIRBORNE EQUIPMENT
- APPROACH CONTROL
- AVIONICS
- GROUND-AIR GROUND COMMUNICATION
- RADAR BEACONS
- RADIO COMMUNICATION
- WIRELESS COMMUNICATION

AIRCRAFT COMPONENTS
UF AIRCRAFT COMPONENTS
GS AIRCRAFT COMPONENTS
RT - AIRCRAFT
- BAYS (STRUCTURAL UNITS)
- CABIN ATMOSPHERES
- CABINS
- COCKPITS
- GONDOLAS
- PRESSURIZED CABINS
- WINDSHIELDS

AIRCRAFT CONFIGURATIONS
UF FIXED-WING AIRCRAFT
GS AIRCRAFT CONFIGURATIONS
RT - AIRCRAFT
- DROOPED AIRFOILS
- AERODYNAMIC CONFIGURATIONS
- AERODYNAMIC INTERFERENCE
- AIRCRAFT
- COMPOUND HELICOPTERS
- CONFIGURATIONS
- CONTROL CONFIGURED VEHICLES
- FLARED BOOBS
- FLIGHT VELOCITIES
- JOINED WINGS
- LOW WING AIRCRAFT
- MISSILE CONFIGURATIONS
- PROPULSION SYSTEM CONFIGURATIONS
- SPACECRAFT CONFIGURATIONS
- UNDER SURFACE BLOWING
- UPPER SURFACE BLOWING
- WING ROOTS

AIRCRAFT CONSTRUCTION
USE AIRCRAFT STRUCTURES

AIRCRAFT CONSTRUCTION MATERIALS
GS AIRCRAFT CONSTRUCTION MATERIALS
RT - AIRCRAFT
- AIRFRAMES
- CERAMIC MATRIX COMPOSITES
- COMPOSITE MATERIALS
- CONSTRUCTION MATERIALS
- FUSELAGES
- LITHIUM ALLOYS
- MATERIALS
- PLASTIC AIRCRAFT STRUCTURES
- SKIN (STRUCTURAL MEMBER)
- STRUCTURAL MEMBERS
- WINGS

AIRCRAFT CONTROL
UF FLAP CONTROL
GS AIRCRAFT CONTROL
RT - HELICOPTER CONTROL
- ACTIVE CONTROL
- AIR START
- AIRCRAFT

AIRCRAFT CONTROL (CONT.)
- ATTITUDE CONTROL
- AUTOMATIC CONTROL
- AUTOMATIC FLIGHT CONTROL
- CONTROL
- CONTROL EQUIPMENT
- CONTROL SIMULATION
- CONTROL STABILITY
- CONTROL STICKS
- CONTROLABILITY
- DAST PROGRAM
- DIRECTIONAL CONTROL
- ENGINE CONTROL
- FLIGHT CONTROL
- FLIGHT ENVELOPES
- FLIGHT INSTRUMENTS
- FLY BY TUBE CONTROL
- FLY BY WIRE CONTROL
- GROUND BASED CONTROL
- LATERAL CONTROL
- LONGITUDINAL CONTROL
- MANEUVERABILITY
- MANUAL CONTROL
- MISSILE CIRCLING FLIGHT
- PILOT INDUCED OSCILLATION
- RADIO CONTROL
- REMOTE CONTROL
- STABILITY AUGMENTATION
- TURBOJET ENGINE CONTROL
- VISUAL CONTROL

AIRCRAFT DESIGN
GS AIRCRAFT DESIGN
RT - HELICOPTER DESIGN
- AERODYNAMIC CONFIGURATIONS
- AERODYNAMIC INTERFERENCE
- AIRCRAFT
- AIRFOILS
- CHANNEL WINGS
- COMPOUND HELICOPTERS
- COMPUTER AIDED DESIGN
- CONTROL CONFIGURED VEHICLES
- DAST PROGRAM
- DSG- DESIGN
- ENGINE AIRFRAME INTEGRATION
- ENGINE DESIGN
- FLIGHT TESTS
- FREE WING AIRCRAFT
- LOFTING
- MISSILE DESIGN
- PANAVIA MILITARY AIRCRAFT
- PRODUCT DEVELOPMENT
- ROTOR SYSTEMS RESEARCH
- SHORT HAUL AIRCRAFT
- STREAMLINED
- STRUCTURAL DESIGN
- SYSTEMS ENGINEERING
- TERMINAL CONFIGURED VEHICLE
- PROGRAM
- TRANSATMOSPHERIC VEHICLES
- TU-154 AIRCRAFT
- VORTEX SHEETS
- WEIGHT REDUCTION
- YF-12 AIRCRAFT

AIRCRAFT DETECTION
GS DETECTION
RT - AIRCRAFT
- DETECTORS
- IFF SYSTEMS (IDENTIFICATION)
- INFRARED SUPPRESSION
- TRACKING (POSITION)

AIRCRAFT ENGINES
UF AIRCRAFT POWER SOURCES
GS AIRCRAFT ENGINES
RT - CONVERTIBLE FAN-ENGINE AIRCRAFT
- HELICOPTER ENGINES
- J-65 ENGINE
- J-58 ENGINE
- J-97 ENGINE
- T-34 ENGINE
- T-38 ENGINE
- T-55 ENGINE
- T-63 ENGINE
- T-76 ENGINE
- T-78 ENGINE
- TF-20 ENGINE
- TF-34 ENGINE
- TF-41 ENGINE
- VARIABLE CYCLE ENGINES
### Aircraft Engines (Cont.)
- Variable Stream Control Engines
- ACEE Program
- Aircraft Start
- Aircraft Engine Airframe Integration
- Gas Turbine Engines
- Hydrogen Engines
- Infrared Suppression
- Internal Combustion Engines
- Jet Engines
- Jet Propulsion
- Laser Propulsion
- Nuclear Propulsion
- Piston Engines
- Power Supplies
- Quiet Engine Program
- Rocket Engines
- Rotary Engines
- T-58 Engine
- T-58-GE-8B Engine
- Topping Cycle Engines
- Turbine Engines
- Wankel Engines

### Aircraft Equipment
- Onboard Equipment
  - Aircraft Indications
  - Aircraft Equipments
  - Aircraft Systems
  - Power Systems
  - Aircraft Lights
  - Aircraft Hydraulic Systems
  - Aircraft Hazards
  - Aircraft Guidance (Motion)
  - Aircraft Radiation
  - Aircraft Indicators
- Aircraft Industry
  - Industries
  - Aircraft Industry
  - Aircraft Aeronautical Engineering
- Aircraft Instruments
  - Aircraft Instruments
  - Approach Indicators
  - Automatic Pilots
  - Flight Recorders
  - Rate of Climb Indicators
  - Aircraft
  - Aircraft Instrument
  - Aircraft Production Costs
- Aircraft Models
  - Models
  - Aircraft Models
- Aircraft Noise
  - Aircraft Noise
  - Aircraft Noise Cont.
  - Aircraft Launching Devices
  - Aircraft Maintenance
  - Aircraft Maneuvers

### Aircraft Fuel Systems
- Fuel Systems
  - Aircraft Fuel Systems
- Aircraft Fuels
  - Chemical Fuels
  - Liquid Fuels
  - Aircraft Fuels
- Aircraft Guidance
  - Guidance (Motion)
- Aircraft Interiors
  - Use Aircraft Compartment
- Aircraft Landing
  - Landing
  - Aircraft Landing
  - Crash Landing
  - Ditching (Landing)
  - Aircraft
  - Aircraft Cushion Landing Systems
- Aircraft Noise
  - Aircraft Noise Cont.
  - Aircraft Launching Devices
  - Aircraft Maintenance
  - Aircraft Maneuvers
AIRPORT SURFACE DETECTION EQUIPMENT

AIRPORT SECURITY (CONT.)
- PROTECTION
- VULNERABILITY

AIRPORT SURFACE DETECTION EQUIPMENT
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- USE AIRCRAFT RELIABILITY

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  - FIGHTER AIRCRAFT
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PASSenger AIRCRAFT

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GS ANTONOV AN-24 AIRCRAFT
COKE AIRCRAFT

AN-26 AIRCRAFT
JET AIRCRAFT
TURBO PROP AIRCRAFT
AN-24 AIRCRAFT
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AN-2 AIRCRAFT
GS ANTONOV AIRCRAFT
... AN-2 AIRCRAFT
TRANSPORT AIRCRAFT
AN-2 AIRCRAFT
RT = AIRCRAFT
PASSenger AIRCRAFT

AN-22 AIRCRAFT
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COCK AIRCRAFT
GS ANTONOV AIRCRAFT
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- SINGLE STAGE ROCKET VEHICLES
- ARCAS ROCKET VEHICLES
- SOUNDING ROCKETS
- ARCAS ROCKET VEHICLES
- VEHICLES

ARCON ROCKET VEHICLE
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- ARGOSY MK-1 AIRCRAFT
- JET AIRCRAFT
- TURBOPROP AIRCRAFT
- ARGOSY MK-1 AIRCRAFT
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- ARGOSY MK-1 AIRCRAFT
- TRANSPORT AIRCRAFT
- ARGOSY MK-1 AIRCRAFT
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ARIANE LAUNCH VEHICLE
- GS LAUNCH VEHICLE
- ARICANE LAUNCH VEHICLE
- ROCKETS VEHICLES
- MULTISTAGE ROCKET VEHICLES
- ELDO LAUNCH VEHICLE
- EUROCOSM LAUNCH VEHICLES
- EUROPEAN SPACE AGENCY
- EUROPEAN SPACE PROGRAMS
- GERSAT PROJECT

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- USE ADVANCED RANGE INSTRUMENTATION SHIP

ARMY-NAVY INSTRUMENTATION PROGRAM
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- DESCENT TRAJECTORIES
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- USE AIRPORT SURFACE DETECTION EQUIPMENT

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- FLY ASHER
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- FERTILIZERS
- FIRE DAMAGE
- FOREST FIRES
- LIGNITE
- REACTION PRODUCTS
- RESIDUES

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- GS ROCKET VEHICLES
- SOUNDING ROCKETS
- ASP ROCKET VEHICLE
- VEHICLES

ASPECT RATIO
- GS RATIOS
- ASPECT RATIO
- HIGH ASPECT RATIO
- LOW ASPECT RATIO
- VEHICLES
- GEAR
- ARTIFICIAL BARRIERS
- ANTISKID
- AIRCRAFT SAFETY
- LANDING DEVICES
- MOUNTING
- PREPARATION
- RIGGING
- SPACE MANUFACTURING

ASSEMBLING
- GS ASSEMBLING
- ORBITAL ASSEMBLY
- VEHICLES

ASTRONAUTICS
- RT = ASTRONAUTICS
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- CONTROL
- ELECTRONICS
- GUIDANCE (MOTION)
- SATELLITE COMMUNICATION
- SINGLE EVENT UPSETS
- SPACECRAFT COMMUNICATION
- SPACECRAFT ELECTRONIC EQUIPMENT
- SPACECRAFT TECHNOLOGY
- TEST EQUIPMENT

ASTRO VEHICLE
- SN (EXCLUDES STS)
- GS MANEUVERABLE SPACECRAFT
- ASTRO VEHICLE
- MANNED SPACECRAFT
- REENTRY VEHICLES
- RECOVERY SPACECRAFT
- ASTRO VEHICLE
- SOFT LANDING SPACECRAFT
- ASTRO VEHICLE
- AEROSPACE PLANES
- ASTRO VEHICLE
- SPACECRAFT
- ASTRO GLIDERS
- GS GLIDERS
- ASSEMBLING
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- SOUNDING ROCKETS
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- ASTROGLIDE 1500 ROCKET VEHICLE
- GENIE ROCKET VEHICLE
- SOLID PROPELLANT ROCKET ENGINES
- VEHICLES

ASTROGEE ROCKET VEHICLES
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ASTROGEE 1500 ROCKET VEHICLE
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- MULTISTAGE ROCKET VEHICLES
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- ASTROGEE 1500 ROCKET VEHICLE
- SOUNDING ROCKETS
- ASTROGEE ROCKET VEHICLES
- ASTROGEE 1500 ROCKET VEHICLE
- VEHICLES

ASTRO INSTRUMENTATION SHIP
- USE ADVANCED RANGE INSTRUMENTATION SHIP

ARMY-NAVY INSTRUMENTATION PROGRAM
- GS PROGRAMS
- ARMY-NAVY INSTRUMENTATION PROGRAM
- LOGISTICS
- MILITARY TECHNOLOGY
ATTITUDE GYROS

GS ATTITUDE GYROS
- ATTITUDE GYROS
- GYRO HORIZONS
- SEA KEEPING

RT CONTROL MOMENT GYROS
- GYRO HORIZONS
- SEA KEEPING

ATITUDE INDICATORS

UF ATTITUDE INDICATORS
- HELICOPTER ATTITUDE INDICATORS
- YAWMETERS

GS MEASURING INSTRUMENTS
- INDICATING INSTRUMENTS
- ATTITUDE INDICATORS
- GYRO HORIZONS
- NAVIGATION AIDS

RT AIRCRAFT INSTRUMENTS
- CONTROL MOMENT GYROS
- FLIGHT CONTROL

ATTITUDE STABILITY

UF ATTITUDE STABILITY (CONT.
- DYNAMIC STABILITY
- MOTION STABILITY
- ATTITUDE STABILITY
- DIRECTIONAL STABILITY
- GYROSCOPIC STABILITY
- LATERAL STABILITY
- LONGITUDINAL STABILITY

GS DYNAMIC CHARACTERISTICS
- ELECTRIC CONTROL
- ELECTRONIC AIRCRAFT
- ELECTRONIC CONTROL
- ENGINE CONTROL
- ENVIRONMENTAL CONTROL
- FLIGHT CONTROL
- GROUND CONTROL
- GROUND BASED CONTROL
- GUIDANCE (MOTION)
- HELICOPTER CONTROL
- HYDRAULIC CONTROL

RT ATTITUDE STABILITY (CONT.
- AIRCRAFT STABILITY
- DISCS (SATISFICE ATTITUDE
- CONTROL)
- HOVERING STABILITY
- LOW SPEED STABILITY
- SATISFICE ATTITUDE CONTROL
- SPACECRAFT MOTION
- SPACECRAFT STABILITY
- TUMBLING MOTION

AUDIO EQUIPMENT

GS AUDIO EQUIPMENT
- TELEPHONES
- LOUDSPEAKERS
- MICROPHONES

RT EQUIPMENT
- MONOURAL SIGNALS

AUTOGYROS

GS VI STOL AIRCRAFT
- ROTARY WING AIRCRAFT
- AUTOGYROS

RT AVIAN 2/180 AUTOPILOT

AUTOMATED EN ROUTE ATC

GS GROUND BASED CONTROL
- AIR TRAFFIC CONTROL
- AUTOMATED EN ROUTE ATC
- TRAFFIC CONTROL
- AIR TRAFFIC CONTROL
- AUTOMATED EN ROUTE ATC

RT AIRCRAFT GUIDANCE
- APPROACH CONTROL
- AUTOMATED PILOT ADVISORY SYSTEM
- FLIGHT CONTROL
- GROUND-AIR-GROUND COMMUNICATION
- MICROWAVE LANDING SYSTEMS

AUTOMATED PILOT ADVISORY SYSTEM

RT AIR TRAFFIC CONTROL
- AUTOMATED EN ROUTE ATC
- AUTOMATIC TRAFFIC ADVISORY AND RESOLUTION
- SYSTEMS

AUTOMATIC CONTROL

UF SELF REGULATING

GS AUTOMATIC CONTROL
- ADAPTIVE CONTROL
- ACTIVE CONTROL
- MACHINE LEARNING
- MODEL REFERENCE ADAPTIVE CONTROL
- SELF ADAPTIVE CONTROL SYSTEMS
- AUTOMATIC FLIGHT CONTROL
- AUTOMATIC LANDING CONTROL
- AUTOMATIC FREQUENCY CONTROL
- AUTOMATIC GAIN CONTROL
- DYNAMIC CONTROL
- FEEDBACK CONTROL
- CASCADE CONTROL
- FEEDFORWARD CONTROL
- NUMERICAL CONTROL
- OFF-ON CONTROL
- OPTIMAL CONTROL
- LINEAR QUADRATIC REGULATOR
- LINEAR QUADRATIC GAUSSIAN
- CONTROL
- TIME OPTIMAL CONTROL
- PROPORTIONAL CONTROL
- SELF ALIGNMENT
- SEQUENTIAL CONTROL

RT AIRCRAFT CONTROL
- ATTITUDE CONTROL
- AUTOMATIC COMBUSTION
- FEEDBACK CONTROL
- CONTROL
- CONTROL EQUIPMENT
- CONTROL SYSTEMS DESIGN
- CONTROL Csurname
- DEPERSONALIZATION
- DIRECTIONAL CONTROL

AUTOMATIC CONTROL (CONT.

UF APCS (CONTROL SYSTEM)

GS AUTOMATIC CONTROL
- AUTOMATIC FLIGHT CONTROL
- AUTOMATIC LANDING CONTROL
- FLIGHT CONTROL
- AUTOMATIC FLIGHT CONTROL
- AUTOMATIC LANDING CONTROL

RT AIRCRAFT CONTROL
- AIRCRAFT INSTRUMENTS
- AUTONOMOUS NAVIGATION
- CONTROL
- DISTANCE MEASURING EQUIPMENT
- FLIGHT MANAGEMENT SYSTEMS
- HIGHLY MANEUVERABLE AIRCRAFT
- MISSILE CONTROL
- NAVIGATION
- NAVIGATION AIDS
- RADAR NAVIGATION
- RADIO NAVIGATION
- SOLAR COMPASSES
- TERMINAL CONFIGURED VEHICLE
- TRANSFER FUNCTIONS
- TURBOJET ENGINE CONTROL

AUTOMATIC CONTROL VALVES

GS VALVES
- AUTOMATIC CONTROL VALVES
- PRESSURE REGULATORS
- RELIEF VALVES

RT ACTUATORS
- CONTROL
- DAMPERS (VALVES)
- DYNAMIC CONTROL CHARACTERISTICS
- FLUID AMPLIFIERS
- FLUID SWITCHING ELEMENTS
- GAS VALVES
- HYDRAULIC EQUIPMENT
- PNEUMATIC CONTROL REGULATORS
- SATELLITE GUIDANCE
- SELF ABSORPTION
- SERVOMECHANISMS
- SOLID STATE VALVES
- TEMPERATURE CONTROL

AUTOMATIC FLIGHT CONTROL

UF ACS (CONTROL SYSTEM)

GS AUTOMATIC CONTROL
- AUTOMATIC FLIGHT CONTROL
- AUTOMATIC LANDING CONTROL
- FLIGHT CONTROL
- AUTOMATIC FLIGHT CONTROL
- AUTOMATIC LANDING CONTROL
- AUTONOMOUS NAVIGATION

RT AIRCRAFT CONTROL
- AIRCRAFT INSTRUMENTS
- AUTONOMOUS NAVIGATION
- CONTROL
- DISTANCE MEASURING EQUIPMENT
- FLIGHT MANAGEMENT SYSTEMS
- HIGHLY MANEUVERABLE AIRCRAFT
- MISSILE CONTROL
- NAVIGATION
- NAVIGATION AIDS
- RADAR NAVIGATION
- RADIO NAVIGATION
- SOLAR COMPASSES
- TERMINAL CONFIGURED VEHICLE
- TRANSFER FUNCTIONS
- TURBOJET ENGINE CONTROL

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AUTOMATIC LANDING CONTROL

AUTOMATIC LANDING CONTROL
GS AUTOMATIC CONTROL
  AUTOMATIC FLIGHT CONTROL
  AUTOMATIC LANDING CONTROL
  AUTOMATIC WEATHER STATIONS
RT AIRCRAFT EQUIPMENT
  BLIND LANDING
  DISTANCE MEASURING EQUIPMENT
  FLIGHT MANAGEMENT SYSTEMS
  MICROWAVE LANDING SYSTEMS
  TERMINAL CONFIGURED VEHICLE PROGRAM
AUTOMATIC LIGHT AIRCRAFT READINESS
MONITOR
  USE AUTOMATIC PILOTS
  AUTOMATIC CONTROL

AUTOMATIC PILOTS
UF AUTOPLOTS
GS AUTOMOBILE INSTRUMENTS
  AUTOMATIC PILOTS
RT AIRCRAFT EQUIPMENT
  FLIGHT INSTRUMENTS
  OPTICAL PILOTS

AUTOMATIC TEST EQUIPMENT
RT EQUIPMENT
  MEASURING INSTRUMENTS
  SELF TESTS
  SNEAK CIRCUIT ANALYSIS
  TEST EQUIPMENT

AUTOMATIC TRAFFIC ADVISORY AND RESOLUTION
SN (AUTOMATIC TRAFFIC ADVISORY AND RESOLUTION SERVICE)
UF ATS
RT AUTOMATED PILOT ADVISORY SYSTEM
  COLLISION AVOIDANCE
  GROUND BASED CONTROL
  NAVIGATION AIDS
  RESOLUTION SYSTEMS

AUTOMATIC WEATHER STATIONS
GS STATIONS
  WEATHER STATIONS
RT DATA ACQUISITION
  DATA COLLECTION PLATFORMS
  INSTRUMENT PACKAGES
  METEOROLOGICAL SERVICES
  OCEAN DATA ACQUISITIONS SYSTEMS
  REMOTE SENSORS
  WEATHER DATA RECORDERS

AUTOMOBILE ENGINES
RT EXTERNAL COMBUSTION ENGINES
  INTERNAL COMBUSTION ENGINES
  PISTON ENGINES
  ROTARY ENGINES
  STIRLING ENGINES
  TURBINE ENGINES
  WANKEL ENGINES

AUTOMOBILE FUELS
GS FUELS
  CHEMICAL FUELS
  LIQUID FUELS
  AUTOMOBILE FUELS
RT AIRCRAFT FUELS
  ANTI-KNOCK ADDITIVES
  DIESEL FUELS
  GASOLINE
  HYDROCARBON FUELS
  INTERNAL COMBUSTION ENGINES
  SYNTANE

AUTOPLOTS
USE AUTOMATIC PILOTS

AUTOROTATION
UF WINDMILLING
GS SYMPHONY
  ROTATION
  AUTOROTATION
RT ROTARY WING AIRCRAFT
  ROTOCHUTES

AV-4A AIRCRAFT
USE HARRIER AIRCRAFT

AV-8B AIRCRAFT
USE HARRIER AIRCRAFT

AVIATION
USE AERONAUTICS

AVIATION METEOROLOGY
GS METEOROLOGY
  AVIATION METEOROLOGY
RT AIRCRAFT EQUIPMENT
  AIRCRAFT ACCIDENT INVESTIGATION
  AIRCRAFT ACCIDENTS
  AIRCRAFT HAZARDS
  ATMOSPHERIC TURBULENCE
  ATMOSPHERIC REFRACTION
  CLEAR AIR TURBULENCE
  FLIGHT CONDITIONS
  FLIGHT HAZARDS
  FLIGHT SAFETY
  FOG
  METEOROLOGICAL PARAMETERS
  METEOROLOGICAL SERVICES
  MILITARY AVIATION
  NOWCASTING
  NUMERICAL WEATHER FORECASTING
  RUNWAY CONDITIONS
  WIND SHEAR

AVIATORS
USE AIRCRAFT PILOTS

AVIONICS
RT AERONAUTICS
  AIRBORNE EQUIPMENT
  AIRCRAFT COMMUNICATION
  AIRCRAFT EQUIPMENT
  AIRCRAFT INSTRUMENTS
  ASTRONOMICS
  AVIATION ELECTRONICS
  AVIATION CONTROLS
  ELECTRONICS
  FLIGHT MANAGEMENT SYSTEMS
  GUIDANCE (MOTION)
  HEAD-UP DISPLAYS
  MODULARITY
  SELF TESTS
  SINGLE EVENT UPSETS
  SYSTEMS INTEGRATION
  TEST EQUIPMENT
  VIDEO LANDMARK ACQUISITION AND TRACKING

AVRO WHITWORTH HS-748 AIRCRAFT
USE HS-748 AIRCRAFT

AVRO 566 AIRCRAFT
USE VULCAN AIRCRAFT

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

AWACS AIRCRAFT
USE AIRBORNE WARNING AND CONTROL SYSTEM

AWACS AIRCRAFT (CONT.)
GS AWACS AIRCRAFT
  E-2 AIRCRAFT
  E-3A AIRCRAFT
  E-4A AIRCRAFT
RT AIRCRAFT
  BOEING AIRCRAFT
  COMMAND AND CONTROL
  EARLY WARNING SYSTEMS
  GRUMMAN AIRCRAFT
  MILITARY AIRCRAFT
  MILITARY TECHNOLOGY

AXES OF ROTATION
GS AXES (REFERENCE LINES)
  AXES OF ROTATION
RT BODIES OF REVOLUTION
  ROTATING BODIES
  ROTATION
  SHAFTS (MACHINE ELEMENTS)
  SYMMETRICAL BODIES

AXIAL COMPRESSORS
USE TURBOCOMPRESSORS

AXIAL FLOW
GS FLUID FLOW
  AXIAL FLOW
RT ANNULAR FLOW
  AXISYMMETRIC FLOW
  COAXIAL FLOW
  COAXIAL NOZZLES
  COUNTERFLOW
  DISCHARGE COEFFICIENT
  FLOW GEOMETRY
  ONE DIMENSIONAL FLOW
  RADIAL FLOW
  THREE DIMENSIONAL FLOW
  TWO DIMENSIONAL FLOW

AXIAL FLOW COMPRESSORS
USE TURBOCOMPRESSORS

AXIAL FLOW PUMPS
GS PUMPS
  AXIAL FLOW PUMPS
  TURBINE PUMPS
RT CENTRIFUGAL PUMPS
  FUEL PUMPS

AXIAL FLOW TURBINES
GS TURBOMACHINERY
  TURBINES
RT GAS TURBINE ENGINES
  GAS TURBINES
  STEAM TURBINES

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

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

AXLES
USE SHAFTS (MACHINE ELEMENTS)

AZIMUTH
GS SOLAR AZIMUTH
RT ALTITUDE
BALLAST

BALANCE (CONT.)
- HEAT BALANCE
- MASS BALANCE
- MASS DISTRIBUTION
- MATERIAL BALANCE
- WEIGHT INDICATORS

BALLAST
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)
RT BALLENE (IMPEDANCES)
BALLASTS (IMPEDANCES)

BALLISTIC MISSILE DECOYS
GS COUNTERMEASURES
- BALLISTIC MISSILE DECOYS
- DECAY
- BALLISTIC MISSILE DECOYS
RT MISSILE DEFENSE
REENTRY DECOYS

BALLISTIC MISSILES
SN (GUIDED ONLY DURING INITIAL POWERED PHASE)
GS MISSILES
- BALLISTIC MISSILES
  - FIELD ARMY BALLISTIC MISSILES
  - SUBROC MISSILE
  - INTERCONTINENTAL BALLISTIC MISSILES
  - ATLAS ICBM
  - ATLAS D ICBM
  - ATLAS E ICBM
  - ATLAS F ICBM
  - MINUTEMAN ICBM
  - TITAN ICBM
  - TITAN 1 ICBM
  - TITAN 2 ICBM
  - INTERMEDIATE RANGE BALLISTIC MISSILES
  - BLUE STREAK MISSILE
  - JUPITER MISSILE
  - POLARIS A1 MISSILE
  - POLARIS A2 MISSILE
  - POLARIS A3 MISSILE
  - PERSHING MISSILE
  - POSEIDON MISSILE
  - SHORT RANGE BALLISTIC MISSILES
  - SKYBOLT MISSILE
  - V-2 MISSILE
RT ANTIMISSILE MISSILES
SAFEGUARD SYSTEM
SURFACE TO SURFACE MISSILES

BALLISTIC RANGES
GS RANGE FACILITIES
- TEST RANGES
BALLISTIC RANGES
- TEST FACILITIES
TEST RANGES
BALLISTIC RANGES
RT DOWNRANGE
HYDROBALLISTICS
MISSILE RANGES

BALLISTIC TRAJECTORIES
GS TRAJECTORIES
BALLISTIC TRAJECTORIES
RT ASCENT TRAJECTORIES
BALLISTICS
COASTING FLIGHT
DESCENT TRAJECTORIES
DONWRANGE
FREE FALL
IMPACT PREDICTION
MIDCOURSE TRAJECTORIES
MISSILE TRAJECTORIES
PARABOLIC FLIGHT

BALLISTIC VEHICLES
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)
UF NONLIFTING VEHICLES
RT REENTRY VEHICLES
ROCKET VEHICLES
TEST VEHICLES
VEHICLES
WEAPONS

BALLOON FLIGHT
RT  \* FLIGHT
METEOROLOGICAL FLIGHT

BALLOON FLIGHT (CONT.)
VERTICAL FLIGHT

BALLOON SOUNDING
GS SOUNDING
BALLOON SOUNDING
RT ATMOSPHERIC SOUNDING
RADIOSONDEN
SUPERPRESSURE BALLONS

BALLOON-BORNE INSTRUMENTS
GS MEASURING INSTRUMENTS
- BALLON-BORNE INSTRUMENTS
RT AIRBORNE EQUIPMENT
BALLONS
HIGH ALTITUDE BALLONS
METEOROLOGICAL INSTRUMENTS
RADIOSONDEN
TELESCOPES

BALLOONS
GS EXPANDABLE STRUCTURES
- INFLATABLE STRUCTURES
- BALLONS
- HIGH ALTITUDE BALLONS
- JIMSPHERE BALLONS
- SUPERPRESSURE BALLONS
- METEOROLOGICAL BALLONS
- JIMSPHERE BALLONS
- ROBIN BALLONS
- MICROBALLONS
- TETHERED BALLONS
RT US AIRCRAFT
ASCENT
BALLON-BORNE INSTRUMENTS
BALLUTES
FOLDING STRUCTURES
GS BAGS
GONDOLAS
OBSERVATION AIRCRAFT
PARAULAVOS
PILOTLESS AIRCRAFT
STRATOSCOPE TELESCOPES

BARRIERS
GS BARRIERS
- BARRICADES
- BARRIERS (LANDFORMS)
- PORTABLE CLOTHING
- BARRELS (CONTAINERS)
DRUMS
GUN LAUNCHERS

BARRIERS
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)
RT ARTILLERY FIRE
DAMS

BAROCLINITY (CONT.)
BAROTROPIC FLOW
BAROTROPISM
ISOBARS
METEOROLOGICAL SOLENOIDS
STRATIFIED FLOW

BAROTROPIC FLOW
GS FLUID FLOW
- BAROTROPIC FLOW
RT AIR CURRENTS
AIR FLOW
BAROCLINIC WAVES
BAROCLINITY
BAROTROPISM
FLOW CHARACTERISTICS
LEE WAVES
PLANETARY WAVES
RAYLEIGH WAVES
ROSSBY REGIMES
SEA BREEZE
VISCOS FLOW
WIND (METEOROLOGY)
WIND SHEAR

BAROTROPISM
GS BAROTROPISM
- PLANETARY WAVES
RT BAROCLINIC
BAROTROPIC FLOW
ISOBARS

BARRIERS
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)
RT BARRIERS (CONTAINERS)

BAROCLINITY
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)
UF BARRIERS
- BARRIERS (LANDFORMS)
- BARRITT DIODES
- BLOOD-BRAIN BARRIER
- BULKHEADS
- CHAINS
- CLOSURES
- CONSTRUCTIONS
- CURTAINS
- DAMS
- DIVIDERS
- ELECTRODE FILM BARRIERS
- ENCLOSURES
- FENCES (BARRIERS)
- GATES (OPENINGS)
- GUARDS (SHIELDS)
- MBM JUNCTIONS
- SAFETY DEVICES
- SCHOTTY DIODES
- SEALS (SToppers)
- STEELING
- THERMAL BARRIERS (PLASMA CONTROL)
- VAPOR BARRIER CLOTHING
- WALLS
- WIND (METEOROLOGY)
- WINDOWS (APERTURES)

BASE FLOW
GS FLUID FLOW
BASE FLOW
RT HEAD FLOW
WAVES
### Body-Wing Configurations

#### Blue Steel Missile (Cont.)
- **RT** liquid propellant rocket engines

#### Blue Streak Launch Vehicle
- **GS** launch vehicles
- **RT** liquid propellant rocket engines

#### Blue Streak Missile
- **GS** missiles
  - Ballistic missiles
  - Intermediate range ballistic missiles
  - Blue Streak missiles
  - Surface to surface missiles
  - Intermediate range ballistic missiles
  - Blue Streak missile rocket vehicles
  - Blue Streak missile
- **RT** liquid propellant rocket engines

#### Bluff Bodies
- **RT** bluff bodies
  - Bodies: ducted bodies, forebodies, lifting bodies, reentry vehicles, Roskco prediction

#### Blunt Leading Edges
- **GS** edges
  - Leading edges
  - Blunt leading edges
- **RT** airfoils, forebodies, trailing edges

#### Blunt Trailing Edges
- **GS** edges: trailing edges
- **RT** airfoils: control surfaces, wings

#### Bo-105 Helicopter
- **GS** helicopters: passenger aircraft, utility aircraft
- **RT** Bo-105 helicopter

#### Boats
- **GS** surface vehicles: boats, lifeboats
- **RT** amphibious vehicles, hardhulls, inflatable structures, keels
  - Military vehicles, research vehicles, ships, underwater vehicles

#### Body Kinematics
- **GS** kinematics
- **RT** acceleration (physics), acceleration stresses (physiology), kinematics, particle theory, velocity

#### Body Temperature (Non-Biological)
- **USE** temperature

#### Body-Wing and Tail Configurations
- **RT** aerodynamic configurations

#### Body-Wing Configurations
- **RT** aerodynamic configurations
- **GS** airfoils, drooped airfoils

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#### Blue Goose
- **GS** decays
  - Blue Goose engine
  - Solid propellant rocket engines
  - Booster rocket engines: Countermensures: J-45 engine

#### Blue Scout Rocket Vehicle
- **GS** launch vehicles
  - Blue Scout rocket vehicles
  - Multistage rocket vehicles
- **RT** launching vehicles: liquid rocket engines

#### Blue Steel Missile
- **GS** missiles
  - Blue Steel missile

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#### Blends

**USE** mixtures

#### Blind Landing
- **GS** landing
  - Blind landing

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#### Blowdown Wind Tunnels
- **GS** wind tunnels
- **RT** hotshot wind tunnels, hypersonic wind tunnels, hypervelocity wind tunnels, low density research, low speed wind tunnels, subsonic wind tunnels, supersonic wind tunnels, transonic wind tunnels

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#### BLOWING
- **GS** blowing
  - Spanwise blowing
  - Upper surface blowing
  - Upper surface blowing
  - Aeration
  - Agitation blowers
  - Boundary layer control
  - Circulation
  - Circulation control airfoils: compressing, entrainment, exhausting, forced convection injection, mixing, pumping, spraying, wind (meteorology)

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#### BLOWN FLAPS

**USE** externally blown flaps

#### BLOWOFF (Combustion)

**USE** flameout

#### BLOWOUTS

**RT** fatigue life, times

#### BODY-WING CONFIGURATIONS

**BOATTAILS** (Cont.)
- **RT** afterbodies
- **GS** tail assemblies

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**SN** (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
CARGO AIRCRAFT
CARGO CARET WINGS
CARAVELLE AIRCRAFT
USE SE-210 AIRCRAFT
CARBURETORS
UF INJECTION CARBURETORS
RT CHOKES (FUEL SYSTEMS)
CONTACTORS
ENGINE PARTS
ENGINES
FUEL INJECTION
FUEL SYSTEMS
INJECTORS
INTERNAL COMBUSTION ENGINES
= JET NOZZLES
= MIXERS
= PREMIXED FLAMES
= THROATS
CARET WINGS
GS AIRFOILS
= CAVITIES (FLUID DYNAMICS)
= CARTAN SPACE
= CHAUSY-RIEMANN EQUATIONS
= CAVITATION FLOW
= CAVITIES
CARTAN SPACE
RT COMPRESSIBLE FLOW
= SPACE
CARTS
RT CARRIAGES
= MATERIALS HANDLING
= UNDERCARGIAGES
CARRIER ROCKETS
USE LAUNCH VEHICLES
= CARRIERS
= SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
RT AIRCRAFT CARRIERS
= CARRIER DENSITY (SOLID STATE)
= CHARGE CARRIERS
= ZENER EFFECT
CASCADE FLOW
GS FLUID FLOW
= CASCADE FLOW
RT = CASCADES
= OUTLET FLOW
= TURBOMACHINE BLADES
CASCADE WIND TUNNELS
GS TEST FACILITIES
= WIND TUNNELS
= HYPERSONIC WIND TUNNELS
= CASCADE WIND TUNNELS
= HYPERSONIC WIND TUNNELS
RT HYPERSONIC FLOW
= SHOCK TUNNELS
= CASCADES
= SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
RT CASCADE CONTROL
= CASCADE FLOW
= CIRCUITS
= COSMIC RAY SHOWERS
CH-54 HELICOPTER
TRANSPORT AIRCRAFT
CH-54 HELICOPTER
V/STOL AIRCRAFT
CH-54 HELICOPTER
TANDEM ROTOR AIRCRAFT
CH-54 HELICOPTER

CH-53 HELICOPTER
USE CH-53 HELICOPTER

CH-47 HELICOPTER
UF CHINOOK HELICOPTER
HC-1 HELICOPTER
GS BOEING AIRCRAFT
CH-47 HELICOPTER
PASSENGER AIRCRAFT
CH-47 HELICOPTER
TRANSPORT AIRCRAFT
CH-47 HELICOPTER
V/STOL AIRCRAFT
CH-47 HELICOPTER
TANDEM ROTOR AIRCRAFT
CH-47 HELICOPTER

CH-46 HELICOPTER
TRANSPORT PLANE (CONT.)
CH-46 HELICOPTER
V/STOL AIRCRAFT
CH-46 HELICOPTER
TANDEM ROTOR AIRCRAFT
CH-46 HELICOPTER

CHAPARRAL SPACECRAFT
RT REENTRY VEHICLES
GS CHAPARRAL SPACECRAFT

CHALLENGER (ORBITER)
UF SPACE SHUTTLE ORBITER 099
GS MANNEKIN SPACECRAFT
REENTRY VEHICLES
RECOVERY SPACECRAFT
SPACE SHUTTLE ORBITERS
CHALLENGER (ORBITER)

RT ENDUROV (ORBITER)
SPACE SHUTTLE MISSION 31-B
SPACE SHUTTLE MISSION 31-C
SPACE SHUTTLE MISSION 31-D
SPACE SHUTTLE MISSION 41-B
SPACE SHUTTLE MISSION 41-C
SPACE SHUTTLE MISSION 41-G
SPACE SHUTTLE MISSION 51-B
SPACE SHUTTLE MISSION 51-E
SPACE SHUTTLE MISSION 51-F
SPACE SHUTTLE MISSION 51-L
SPACE SHUTTLE MISSION 61-A
SPACECRAFT

CHAINS
SN (EXCLUDES CHEMICAL BONDS AND NUCLEAR REACTIONS)
RT BARRIERS
CABLES (ROPES)
FASTENERS
LINKS

MOLECULAR CHAINS

CHAPMAN SHEAR LAYER
USE SHEAR LAYERS

CHAPMAN-ENSKOG THEORY
USE ENSKOG-CHAPMAN THEORY
GS KINETIC THEORY
TRANSPORT THEORY
CHAPMAN-ENSKOG THEORY

RT BOLTZMANN TRANSPORT EQUATION
FLOW DISTRIBUTION
MONOTOMIC GASES
RAREFIED GAS DYNAMICS
TEMPERATURE GRADIENTS
THEORIES

CHAPMAN-JOUGUET FLAME
USE CHEMICAL EQUILIBRIUM
DETONATION
FLAME PROPAGATION

CHARACTERISTIC METHOD
USE METHOD OF CHARACTERISTICS

CHARTS
GS CHARTS
FLOW CHARTS
GRAPHS (CHARTS)
BOND GRAPHS
GOMPERTZ CURVES
MOLLIER DIAGRAM
PATTERNS MAP
METEOROLOGICAL CHARTS
NAUTICAL CHARTS

RT BLOCK DIAGRAMS
DIAGRAMS
DISPLAY DEVICES
DRAWINGS
GRAPHIC ARTS
MAPS
NAVIGATION AIDS
NOMOGRAPHS

STATISTICAL ANALYSIS
STATISTICAL TESTS
VISUAL AIDS

CHEBYSHEV APPROXIMATION
GS ANALYSIS (MATHEMATICS)
NUMERICAL ANALYSIS
APPROXIMATION
CHEBYSHEV APPROXIMATION
RT SERIES (MATHEMATICS)
STATISTICAL ANALYSIS

CHECKOUT
SN (SEQUENCE OF TESTS TO DETERMINE FUNCTIONAL READINESS OF EQUIPMENT)
UF DEBUGGING
RT AIRCRAFT MAINTENANCE
CEFOAM CHECKOUT EQUIPMENT
CERTIFICATION
COLD FLOW TESTS
COUNTDOWN
FILE MAINTENANCE (COMPUTERS)
INSPECTION
MAINTENANCE
PERFORMANCE TESTS
PREFIRRING TESTS
PROGRAM VERIFICATION (COMPUTERS)
SELF TESTS
SPACE VEHICLE CHECKOUT PROGRAM
SPACESHIP MAINTENANCE
TEST EQUIPMENT
TESTS

CHECKOUT EQUIPMENT
USE TEST EQUIPMENT

CHEMICAL EXPLOSIONS
GS EXPLOSIONS
CHEMICAL EXPLOSIONS
GAS EXPLOSIONS
RT AERIAL EXPLOSIONS
COMBUSTION
DETONABLE GAS MIXTURES
DETONATION
EXPLOSIVES
FLAMMABLE GASES
UNDERGROUND EXPLOSIONS
UNDERWATER EXPLOSIONS

35
CHEMICAL EXTINGUISHERS

CHEMICAL EXTINGUISHERS
USE FIRE EXTINGUISHERS

CHEMICAL FUELS
GS FUELS

CHEMICAL FUELS
- ENDOOTHERMIC FUELS
- HIGH ENERGY FUELS
- HYDROCARBON FUELS
- DIESEL FUELS
- GASOLINE
- JET ENGINE FUELS
- JP-4 JET FUEL
- JP-5 JET FUEL
- JP-6 JET FUEL
- JP-8 JET FUEL

CHEMICAL EXTINGUISHERS (FUEL SYSTEMS)
RT CARBURETORS
FUEL SYSTEMS
ORIFICES
SYSTEMS

CHEMICAL EXTINGUISHERS (RESTRICTIONS)
RT CHOKES (FUEL SYSTEMS)
CLOSURES
CONSTRUCTIONS
IMPEDEANCE
NOZZLES
ORIFICES
THROATS
VALVES

CHORDS (GEOMETRY)
UF AERODYNAMIC CHORDS
GS GEOMETRY
- EUCLIDEAN GEOMETRY
- LINES (GEOMETRY)
- CHORDS (GEOMETRY)
RT CURVES (GEOMETRY)
GEODESIC LINES
TANGENTS

CHRONOGRAPHS
USE CHRONOMETERS

CHRONOMETERS
UF CHRONOGRAPHS
GS MEASURING INSTRUMENTS
- TIME MEASURING INSTRUMENTS
- CLOCKS
- CHRONOMETERS
RT ATOMIC CLOCKS
CLOCK PARADOX
TIME MEASUREMENT
TIMING DEVICES

CHRONOPHOTOGRAPHY
UF TIME LAPSE PHOTOGRAPHY
GS IMAGERY
CHRONOPHOTOGRAPHY
PHOTOGRAPHY
CHRONOPHOTOGRAPHY
RT BLACK AND WHITE PHOTOGRAPHY
MOTION PICTURES

CHUGGING
USE COMBUSTION STABILITY

CINEFLUOROGRAPHY
USE MOTION PICTURES
RADIOGRAPHY

CINEMATOGRAPHY
GS IMAGERY
CINEMATOGRAPHY
PHOTOGRAPHY
CINEMATOGRAPHY
RT ANIMATION
BLACK AND WHITE PHOTOGRAPHY
CAMERAS
COLOR PHOTOGRAPHY
INFRARED PHOTOGRAPHY
MOTION PICTURES
STEREOSCOPIC PHOTOGRAPHY
STREAK CAMERAS
VIDEO TAPES

CINERADIOGRAPHY
USE MOTION PICTURES
RADIOGRAPHY

CIRCULAR CONES
GS CONES
CIRCULAR CONES
RT HALF CONES
NOSE CONES

CIRCULAR CYLINDERS
RT CYLINDERS
CYLINDRICAL BODIES
CYLINDRICAL SHELLS
ELLIPSOIDAL CYLINDERS

CIRCULATION
UF RECURRENT
GS CIRCULATION
ATMOSPHERIC CIRCULATION
ZONAL FLOW (METEOROLOGY)
BLOOD CIRCULATION
BRAIN CIRCULATION
CLIMBING FLIGHT (CONT.)
RT AIRCRAFT

CLIMBING FLIGHT
GS ASCENT
RT ASCENT TRAJECTORIES
COASTING FLIGHT

COASTING FLIGHT
GS ASCENT
RT GS ASCENT TRAJECTORIES

COLD FLOW TESTS

COLD FLOW TESTS

COANDA EFFECT
RT ATTACHMENT
BUBBLES
CONTROL CIRCULATION AIRFOILS
= ENTRAPMENT
FLUID AMPLIFIERS
JET AMPLIFIERS
JET STREAMS (METEOROLOGY)
REATTACHED FLOW
SEPARATION
THRUST AUGMENTATION

COAXIAL FLOW
GS FLUID FLOW
RT ANNUAR FLOW
COAXIAL FLOW

COAXIAL NOZZLES
RT AIRCRAFT NOISE
AXIAL FLOW
FLUID FLOW
NOISE REDUCTION
NOZZLE GEOMETRY
#NOZZLES
SUPERSONIC NOZZLES
VARIABLE CYCLE ENGINES

COCK AIRCRAFT
USE AN-22 AIRCRAFT

COCKPIT SIMULATORS
GS SIMULATORS
RT TRAINING SIMULATORS

COCKPITS
RT AIRCRAFT COMPARTMENTS
CABIN ATMOSPHERES
= CABINS
CANOPIES
EJECTION SEATS
FLYING EJECTION SEATS
FUSELAGES
PRESSURIZED CABINS
SPACE CAPSULES
SPACECRAFT CABIN ATMOSPHERES
SPACECRAFT CABINS
WINDSHIELDS

COD AIRCRAFT
USE C-2 AIRCRAFT

COIN AIRCRAFT
UF LARA AIRCRAFT
LIGHT ARMED RECONNAISSANCE AIRCRAFT
GS COIN AIRCRAFT
F-5 AIRCRAFT
OV-10 AIRCRAFT
RT AIRCRAFT
LIGHT INTRATHEATER TRANSPORT

COKF AIRCRAFT
USE AN-24 AIRCRAFT

COLD FLOW TESTS
SN (EXCLUDES MECHANICAL CREEP TESTS)
GS ENGINE TESTS
COLD FLOW TESTS
GROUND TESTS

CLEAN FUES
GS FUELS
= CLEAN FUES
FUEL OILS

CLEAR AIR TURBULENCE
GS TURBULENCE
ATMOSPHERIC TURBULENCE
CLEAR AIR TURBULENCE
RT AITRATION METEOROLOGY
JET STREAMS (METEOROLOGY)
TURBULENT DIFFUSION
WIND SHEAR

CLEARANCES
RT ADJUSTING
ALIGNMENT
ALLOWANCES
DATUM (ELEVATION)
SPACING
TIGHTNESS
TOLERANCES (MECHANICS)

CLEARINGS (OPENINGS)
UF SLASHES
RT DEFORESTATION
FIREBRAKES
FORESTS
TREES (PLANTS)

CLIMBING FLIGHT
GS ASCENT
CLIMBING FLIGHT
RT ASCENT TRAJECTORIES
COASTING FLIGHT
=FLIGHT
CONTINUITY EQUATION

CONTINUITY EQUATION

CONTINUUM MECHANICS

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CONTROL SIMULATION-(CONT.)
- CONTROL
- FLIGHT SIMULATION
- FLIGHT SIMULATORS
- SPACECRAFT CONTROL
- SPACECRAFT MANEUVERS
- TRAINING SIMULATORS

CONTROL STABILITY
GS DYNAMIC CHARACTERISTICS
- DYNAMIC STABILITY
- CONTROL STABILITY
- STABILITY
- DYNAMIC STABILITY
- CONTROL STABILITY
RT AIRCRAFT CONTROL
- AIRCRAFT SPIN
- AIRCRAFT STABILITY
- CONTROL
- CONTROL STABILITY
- FLIGHT CONTROL
- MOTION STABILITY
- NYQUIST DIAGRAM
- PILOT INDUCED OSCILLATION
- ROBUSTNESS (MATHEMATICS)
- SAMPLED DATA SYSTEMS
- ISSO (CONTROL SYSTEMS)
- SPACECRAFT MOTION
- SPACECRAFT STABILITY
- STABILITY AUGMENTATION SYSTEMS STABILITY

CONTROL STICKS
GS CONTROL EQUIPMENT
- CONTROL STICKS
RT AIRCRAFT CONTROL
- FLIGHT CONTROL
- MANUAL CONTROL

CONTROL SURFACES
GS CONTROL SURFACES
- AILERONS
- FLAPARONS
- SPOILER SLOT AILERONS
- ELEVATORS (CONTROL SURFACES)
- ELEVONS
- FLAPS (CONTROL SURFACES)
- EXTERNALLY BLOWN FLAPS
- UPPER SURFACE BLOWN FLAPS
- FLAPARONS
- JET FLAPS
- SPLIT FLAPS
- WING FLAPS
- LEADING EDGE FLAPS
- LEADING EDGE SLATS
- TRAILING EDGE FLAPS
- VORTEX FLAPS
- GUIDE VANES
- JET VANES
- HORIZONTAL TAIL SURFACES
- RudderS
- AERIAL RudderS
- MARINE RudderS
- SPoILERS
- TABS (CONTROL SURFACES)
RT AERODYNAMIC BRAKES
- AERODYNAMIC CONFIGURATIONS
- AERODYNAMIC INTERFERENCE
- AERODYNAMICS
- AIRCRAFT PATHS
- AIRCRAFT STRUCTURES
- AIRFOILS
- AIRFRAMES
- BLUNT TRADING EDGES
- BOUNDARY LAYER CONTROL
- CARNAIR CONFIGURATIONS
- CONTROL
- DRAG DEVICES
- FINS
- FIRES
- FLIGHT CONTROL
- FREE WING AIRCRAFT
- GUIDANCE (MOTION)
- NOSE FINS
- STABILIZERS (FLUID DYNAMICS)
- SPOILERS
- SWEETBACK TAIL SURFACES
- T TAIL SURFACES
- TAIL ASSEMBLIES
- TAIL SURFACES
- TRAPEZOIDAL TAIL SURFACES
- VANES
- WINGS

CONTROL SYSTEMS
USE CONTROL

CONTROL THEORY
RT ADAPTIVE CONTROL
- CLOSED CYCLES
- CONTROL
- CONTROL SYSTEMS DESIGN
- CONTROL STABILITY
- DISTRIBUTED PARAMETER SYSTEMS
- DYNAMIC CONTROL
- DYNAMICAL SYSTEMS
- FEEDBACK
- FEEDBACK CONTROL
- FEEDFORWARD CONTROL
- INTERACTIVE CONTROL
- LINEAR QUADRADEC GAUSIAN
- CONTROL
- LINEAR QUADRATIC REGULATOR
- MODEL REFERENCE ADAPTIVE
- CONTROL
- OBSERVABILITY (SYSTEMS)
- OFF-ON CONTROL
- OPTIMAL CONTROL
- ROBUSTNESS (MATHEMATICS)
- SAMPLED DATA SYSTEMS
- SERVOCOUPLE
- SHAPE CONTROL
- ISSO (CONTROL SYSTEMS)
- THEORIES
- TRACKING PROBLEM

CONTROL VALVES
GS VALVES
- CONTROL VALVES
RT ACTUATORS
- CONTROL
- PNEUMATIC CONTROL

CONTROL ABILITY
UP HANDLING QUALITIES
- AIRCRAFT CONTROL
- AIRCRAFT LANDING
- AIRCRAFT PERFORMANCE
- AIRCRAFT SPECIFICATIONS
- AIRCRAFT SPIN
- AIRCRAFT STABILITY
- CONTROL
- CONTROL STABILITY
- CONTROL THEORY
- DIRECTIONAL STABILITY
- FLIGHT CHARACTERISTICS
- HELICOPTER CONTROL
- HELICOPTER PERFORMANCE
- LIQUID SLOSHING
- LOW SPEED STABILITY
- MANEUVERABILITY
- QUALITY
- SPACECRAFT RELIABILITY
- STABILITY
- STEERING
- WHEEL BRAKES

CONTROLLED STABILITY
USE CONTROL

CONTROLLERS
SN (LIMITED TO DEVICES AND CONTROL THEORY)
GS CONTROLLERS
- POWER FACTOR CONTROLLERS
- SERVOMECHANISMS
- SERVOMOTOR
- RT ACTUATORS
- ANALYZERS
- AUTOMATIC CONTROL
- AUTOMATION
- CONTROL
- CONTROL SYSTEMS DESIGN
- CRYOSTATS
- CURRENT REGULATORS
- CYBERNETICS
- ELECTRONIC CONTROL
- INSTRUMENT RECEIVERS
- INSTRUMENT TRANSMITTERS
- INSTRUMENTS
- LINEAR QUADRATIC REGULATOR
- MEASURING INSTRUMENTS
- PNEUMATIC CONTROL
- PRESSURE REGULATORS
- PROPRIETARY ACTUATED INSTRUMENTS
- REGULATORS
- REMOTE CONTROL
- ROCKET-BORNE INSTRUMENTS

CONTROLLED HEAT TRANSFER
GS TRANSMISSION
- CONTROLLED HEAT TRANSFER
- RT AERODYNAMIC HEATING
- BOUNDARY LAYER COMBUSTION
- BOUNDARY LAYER FLOW
- CONDUCTIVE HEAT TRANSFER
- CONVECTION CELLS
- COOLING FINS
- FORCED CONDUCTION
- FREE CONVECTION
- LAMINAR HEAT TRANSFER
- MASS TRANSFER
- POROUS BOUNDARY LAYER CONTROL
- TEMPERATURE
- THERMAL DIFFUSION

CONVENTIONAL HEAT TRANSFER
GS TRANSMISSION
- CONVENTIONAL HEAT TRANSFER
- RT AERODYNAMIC HEATING
- BOUNDARY LAYER COMBUSTION
- BOUNDARY LAYER FLOW
- CONDUCTIVE HEAT TRANSFER
- CONVECTION CELLS
- COOLING FINS
- FORCED CONDUCTION
- FREE CONVECTION
- LAMINAR HEAT TRANSFER
- MASS TRANSFER
- NUSSELT NUMBER
- RADIATIVE HEAT TRANSFER
- RAYLEIGH-BENARD CONVECTION
- SURFACE COOLING
- TEMPERATURE
- THERMALHYDRAULICS
- THERMOSYS
- TURBULENT HEAT TRANSFER
CONVERGENT NOZZLES

RT CONICAL NOZZLES
FLUID AMPLIFIERS
NOZZLE GEOMETRY
NOZZLE WALLS
NOZZLES
TURBINE ENGINES
TURBOJET ENGINES

COOLING (CONT.)
- FILM COOLING
- SWEAT COOLING
- GAS COOLING
- LIQUID COOLING
- FILM COOLING
- MAGNETIC COOLING
- PLASMA COOLING
- PRECOOLING
- QUENCHING (COOLING)
- RADIANT COOLING
- REGENERATIVE COOLING
- SODIUM COOLING
- SOLAR COOLING
- SOLID OXYGEN COOLING
- SPACE COOLING (BUILDINGS)
- SUPERCOOLING
- CRYOGENIC COOLING
- SURFACE COOLING
- THERMOELECTRIC COOLING
- THERMOELECTRIC COOLING
- THERMOMAGNETIC COOLING

RT ABLATION
- ABLATIVE MATERIALS
- AIR CONDITIONING
- BATHING
- CONDENSING
- CONDUCTION
- COOLANT
- COOLERS
- COOLING FLOWS (ASTROPHYSICS)
- CRYOGENIC ENGINE COOLANTS
- FILM CONDENSATION
- FREEZE
- GEOTHERMAL ENERGY UTILIZATION
- HEAT EXCHANGERS
- HEAT RADIATORS
- HEAT SHIELDING
- HEAT TRANSFER
- HEATING
- HILSCH TUBES
- JACKETS
- LOW TEMPERATURE
- MELTING
- MUSHY ZONES
- REFRIGERATING
- REUSABLE HEAT SHIELDING
- SPACECRAFT RADIATORS
- TEMPERATURE CONTROL
- TEMPERATURE DISTRIBUTION
- THERMAL CYCLING TESTS
- THERMAL SHOCK
- THERMAL STRESSES
- VENTILATION
- VENTILATION FANS
- VENTILATION
- WETTING

CORE FLOW
- GS FLUID FLOW
- CORE FLOW
- RT FLOW GEOMETRY
- MAGNETOHYDRODYNAMIC FLOW
- ONE DIMENSIONAL FLOW
- PLASMAS (PHYSICS)
- SHEAR FLOW

CORPORAL MISSILE
- GS MISSILES
- SURFACE TO SURFACE MISSILES
- CORPORA L MISSILE
- RT LIQUID PROPELLANT MISSILES

COOLING SYSTEMS (CONT.)
- LUBRICATION SYSTEMS
- REFRIGERANTS
- REFRIGERATING
- REFRIGERATING MACHINERY
- REGISTERS (AIR CIRCULATION)
- SPACE COOLING (BUILDINGS)
- SPACECRAFT RADIATORS
- SYSTEMS
- TEMPERATURE CONTROL
- TEMPERATURE DISTRIBUTION
- TRANSPORTATION
- VENTILATION
- VENTILATION FANS
- VENTS

COPILOTS
- USE
- AIRCRAFT PILOTS

COPPER AISLE
- USE
- AIRCRAFT AMMUNITION

REGENERATIVE COOLING
- HEAT EXCHANGERS
- EVAPORATIVE COOLING
- EXHAUST FAN COOLERS
- GUIDANCE SYSTEMS
- HEAT EXCHANGERS
- SUPERCOOLING
- THERMAL CYCLING TESTS
- THERMAL STRESSES
- VENTILATION
- VENTILATION FANS
- VENTILATION FANS
- WETTING

COOKPOT AIRCRAFT
- USE
- TU-124 AIRCRAFT

CORSAIL AIRCRAFT
- USE
- A-7 AIRCRAFT

CORSAR MISSILE
- USE
- CORPS MISSILE
- CORPS MISSILE
- CORPORAL MISSILE

COURTICE MURSE
- GS MISSILES
- SURFACE TO SURFACE MISSILES
- CORPORA L MISSILE
- RT LIQUID PROPELLANT ROCKET ENGINES

COUETTE FLOW
- GS FLUID FLOW
- STEADY FLOW
- TWO DIMENSIONAL FLOW
- VISCOS FLOW
- COUETTE FLOW
- RT ANNUAL FLOW
- AXYSYMMETRIC FLOW
- HARTMANN FLOW
- ROTATING CYLINDERS
CRUSADER AIRCRAFT

USE F-8 AIRCRAFT

CRYOGENIC COOLING

GS  COOLING
  ...(SUPERHEATING)
  CRYOGENIC COOLING
RT  COOLERS
  CRYOGENICS
  FREEZING
  HEAT TRANSFER
  REFRIGERATING

CRYOGENIC FLUIDS

GS  LIQUIDS
  CRYOGENIC FLUIDS
    . FLOX
    . LIQUID HELIUM
    . LIQUID HELIUM 2
    . LIQUID HYDROGEN
    . LIQUID NITROGEN
    . LIQUID OXYGEN
RT  CRYOGENIC TEMPERATURE
    CRYOGENICS
    CRYOPUMPING
    FLUID MANAGEMENT
    ...FLUIDS
    ROCKET OXIDIZERS
    SOLID CRYOGENIC COOLING
    SOLIDIFIED GASES

CRYOGENIC GYROSCOPES

GS  GYROSCOPES
  CRYOGENIC GYROSCOPES
RT  HIGH TEMPERATURE
    SUPERCONDUCTORS

CRYOGENIC TEMPERATURE

UF  ULTRALOW TEMPERATURE
GS  TEMPERATURE
  ...COLD TRAPS
  CRITICAL TEMPERATURE
RT  ABSOLUTE ZERO
    CRYOGENIC FLUIDS
    CRYOGENICS
    CURIE TEMPERATURE
    SOLIDIFIED GASES
    SPACE TEMPERATURE

CRYOGENIC WIND TUNNELS

GS  TEST FACILITIES
    WIND TUNNELS
RT  CRYOGENIC WIND TUNNELS
    FLIGHT SIMULATORS
    TEST CHAMBERS

CT-114 AIRCRAFT

USE  CL-41 AIRCRAFT

CUESTAS

USE  RIDGES

CURRENTS

SN  (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
RT  AIR CURRENTS
    AIR FLOW
    BEAM CURRENTS
    CIRCULATION
    COASTAL CURRENTS
    ELECTRIC CURRENT
    EXTERNAL SURFACE CURRENTS
    FLUID FLOW
    OCEAN CURRENTS
    WATER CURRENTS

CURRENTS (OCEANOGRAPHY)

USE  WATER CURRENTS

CURTAINAS

RT  (CONT.)
    WINDOWS (APERATURES)

CURTISS C-46 AIRCRAFT

USE  C-46 AIRCRAFT

CURTISS-WRIGHT AIRCRAFT

UF  CURTISS-WRIGHT MILITARY AIRCRAFT
GS  CURTISS-WRIGHT AIRCRAFT
    C-46 AIRCRAFT
    X-19 AIRCRAFT
RT  AIRCRAFT

CURTISS-WRIGHT MILITARY AIRCRAFT

USE  CURTISS-WRIGHT MILITARY AIRCRAFT

CURVED SURFACES

USE  CONTOURS
    SHAPES
    SURFACES

CUSHIONCRAFT GROUND EFFECT MACHINE

GS  GROUND EFFECT MACHINES
    CUSHIONCRAFT GROUND EFFECT MACHINE
RT  HOVERING
    VERTICAL TAKEOFF AIRCRAFT

CUSHIONS

RT  AIR CUSHION LANDING SYSTEMS
    COUCHES
    GROUND EFFECT (AEROHYDRAULIC)
    HYDRAULIC EQUIPMENT
    NOZZLE
    PILLOWS
    PNEUMATIC EQUIPMENT
    SEATS
    SHOCK ABSORBERS
    VIBRATION ISOLATORS

CUT-OFF

SN  (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
RT  BURNOUT
    ENGINE FAILURE
    MACHINING

CUT-OUTS

USE  OPENINGS

CV-2 AIRCRAFT

USE  DHC 4 AIRCRAFT

CV-7 AIRCRAFT

USE  DHC 5 AIRCRAFT

CV-800 AIRCRAFT

UF  CONVAIR 880 AIRCRAFT
GS  COMMERCIAL AIRCRAFT
    CV-880 AIRCRAFT
    GENERAL DYNAMICS AIRCRAFT
    CV-880 AIRCRAFT
    JET AIRCRAFT
    CV-880 AIRCRAFT
    MONOPLANES
    CV-880 AIRCRAFT
    PASSENGER AIRCRAFT
    CV-880 AIRCRAFT
    TRANSPORT AIRCRAFT
    CV-880 AIRCRAFT
    ROTARY WING
RT  AIRCRAFT

CV-990 AIRCRAFT

UF  CONVAIR 990 AIRCRAFT
GS  COMMERCIAL AIRCRAFT
    CV-990 AIRCRAFT
    GENERAL DYNAMICS AIRCRAFT
    CV-990 AIRCRAFT
    JET AIRCRAFT
    CV-990 AIRCRAFT
    TURBOPROP AIRCRAFT
    CV-990 AIRCRAFT
    MONOPLANES
    CV-990 AIRCRAFT
    PASSENGER AIRCRAFT
    CV-990 AIRCRAFT
    TRANSPORT AIRCRAFT
RT  AIRCRAFT

Cylinders

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

Cylinders (CONT.)

RT  ANALYTIC GEOMETRY
    CIRCULAR CYLINDERS
    CONCENTRIC CYLINDERS
    CYLINDRICAL BODIES
    CYLINDRICAL CHAMBERS
    CYLINDRICAL SHELLS
    DRUMS
    ELASTIC CYLINDERS
    ELLIPTICAL CYLINDERS
    HEMISPHERE CYLINDER BODIES
    ILLUMINATING CYLINDERS
    MONOCUVIC STRUCTURES
    ORTHOTROPIC CYLINDERS
    OSCILLATING CYLINDERS
    PLASMA CYLINDERS
    ROTATING CYLINDERS
    VISCOELASTIC CYLINDERS

CYLINDRICAL AFTERBODIES

USE  AFTERBODIES
    CYLINDRICAL BODIES

CYLINDRICAL BODIES

UF  CYLINDRICAL AFTERBODIES
GS  CYLINDRIDS
RT  SYMMETRICAL BODIES
    ...BODIES OF REVOLUTION
    CYLINDRICAL BODIES
    ...ROTATING CYLINDERS
RT  AFTERBODIES
    AIRY FUNCTION
    CENTERBODIES
    CIRCULAR CYLINDERS
    CYLINDERS
    CYLINDRICAL COORDINATES
    ELASTIC CYLINDERS
    ELLIPTICAL CYLINDERS
    FOREBODIES
    FUSELAGES
    HEMISPHERE CYLINDER BODIES
    ORTHOTROPIC CYLINDERS
    OSCILLATING CYLINDERS
    PLASMA CYLINDERS
    PLASTIC BODIES
    ROLLERS
    VISCOELASTIC CYLINDERS

CYLINDRICAL WAVES

RT  ASYMMETRIC FLOW
    ELASTIC WAVES
    ELECTROMAGNETIC RADIATION
    PLANE WAVES
    SPHERICAL WAVES
    WAVES

CYLINDRIDS

USE  CYLINDRICAL BODIES

D

D-558 AIRCRAFT

UF  DOUGLAS D-558 AIRCRAFT
    SKYROCKET AIRCRAFT
    SKYSTREAK AIRCRAFT
    DOUGLAS AIRCRAFT
    D-558 AIRCRAFT
    MCDONNELL DOUGLAS AIRCRAFT
    DOUGLAS AIRCRAFT
    D-558 AIRCRAFT
    D-558 AIRCRAFT
    D-558 AIRCRAFT
    RESEARCH AIRCRAFT
    D-558 AIRCRAFT
    SUPersonic AIRCRAFT
    D-558 AIRCRAFT
RT  AIRCRAFT

DAKOTA AIRCRAFT

USE  C-47 AIRCRAFT

DALTON LAW

RT  GAS COMPOSITION
    GAS DYNAMICS
    GAS-GAS INTERACTIONS
    IDEAL GAS
    PARTIAL PRESSURE
    VAPOR PRESSURE

DAMAGE

GS  DAMAGE
DAMAGE (CONT.)
- Cumulative damage
- Earthquake damage
- Fire damage
- Flood damage
- Frost damage
- Impact damage
- Meteoric damage
- Rain impact damage
- Proton damage
- Radiation damage
- Laser damage
- Storm damage
- Burnthrough (failure)
- Corrosion
- Damage assessment
- Decay
- Decomposition
- Defects
- Deformation
- Degradation
- Deterioration
- Disintegration
- Dismantling
- Drying
- Fatigue (biology)
- Fatigue (materials)
- Fractures (materials)
- Hot corrosion
- Immobilization
- Impairment
- Injuries
- Lethality
- Losses
- Radiation effects
- Sartorius
- Warpage
- Wear
- Weathering

DAMPI NG PROGRAM
- Use dampening against missile measurement program

DAMPING IN PITCH
- Use damping
- Pitch (inclination)

DAMPING IN ROLL
- Use damping
- Roll

DAMPING IN YAW
- Use damping
- Yaw

DAMPING TESTS
- GS - Vibration tests
- RT - Resonance testing
- Stability tests
- Dynamic tests
- Shock tests
- Vibration measurement

DART TURBOPROP ENGINES
- Use Turboprop engines

DASH HELICOPTER
- Use QM-50 helicopter

DASSAULT AIRCRAFT
- GS - Dassault aircraft
- RT - Mirage 3 aircraft

DASSAULT MIRAGE 3 AIRCRAFT
- Use Mirage 3 aircraft

DASSAULT MIRAGE 5 AIRCRAFT
- Use Mirage 5 aircraft

DASSAULT MIRAGE 20 AIRCRAFT
- Use Mirage 20 aircraft

DASSAULT MIRAGE 50 AIRCRAFT
- Use Mirage 50 aircraft

DASSAULT PROGRAM
- SN - Drones for aerodynamic and structural testing
- UF - Drones for aerodynamic and structural test

DAST PROGRAM (CONT.)
- GS - Programs
- RT - Aeronautical

DASSAULT MIRAGE 3 AIRCRAFT
- Use Dassault Mirage 3 aircraft

DUC 3 AIRCRAFT
- UF - Douglas DC-3 aircraft
- GS - Commercial aircraft

DUC 7 AIRCRAFT
- UF - Douglas DC-7 aircraft
- GS - Commercial aircraft

DUC 8 AIRCRAFT
- UF - Douglas DC-8 aircraft
- GS - Commercial aircraft

DE HAVILLAND AIRCRAFT
- Use De Havilland aircraft

DECLARATION
DECOMPRESSION

USE PRESSURE REDUCTION

DECOYS

GS DECOYS
- BALLISTIC MISSILE DECOYS
- BLUE GOOSE MISSILE
- COUNTERMEASURES
- DUMMY DECOYS

RT COUNTERMEASURES

DEEP WATER

GS WATER
- OCEAN BOTTOM
- OCEANOGRAPHY
- OCEANS
- SEAS

DEFLAGRATION

GS COMBUSTION
- DEFLAGRATION
- DEFLATION

RT BACKFIRE
- FIRES
- FLASHBACK

DEFLECTORS

GS DEFLECTORS
- BLAST DEFLECTORS
- FLAME DEFLECTORS
- FLAP APPROACH
- REENTRY DECOYS

RT ATTENUATORS
- DEFLECTORS
- SAFETY DEVICES
- SHIELDING
- SPOILERS

DEFLOPERS

GS MEASURING INSTRUMENTS
- DEFLOPERS
- RT DEFORMATION
- DIMENSIONAL MEASUREMENT
- EXTENSOMETERS
- MECHANICAL MEASUREMENT
- STRAIN GAUGES
- STRESS MEASUREMENT
- TENSOMETERS

DEFROSTING

RT DEFROSTING
- DEICING
- HEATING
- ICE PREVENTION
- MELTING
- REFRIGERATING
- REFRIGERATORS

DECERS

UF DECING SYSTEMS
- AIRFOILS
- ANTIICING ADDITIVES
- DEICING
- HEATERS
- HEATING EQUIPMENT
- ICE PREVENTION

RT AIRFOILS
- ANTIICING ADDITIVES
- DEFROSTING
- DEICERS
- HEATERS
- HEATING EQUIPMENT
- ICE PREVENTION
- MELTING

DEICING SYSTEMS

USE DEICERS

DELAYED FLAP APPROACH

UF OFA
- GS APPROACH
- DELAYED FLAP APPROACH
- FLAPS (CONTROL SURFACES)
- FLIGHT PATHS
- LANDING AIDS

DELAYED FLAP APPROACH (CONT.)

NASA PROGRAMS
- NOISE REDUCTION

DELFIN AIRCRAFT

USE L-29 JET TRAINER

DELTADAGGER AIRCRAFT

USE F-102 AIRCRAFT

DELTADART AIRCRAFT

USE F-106 AIRCRAFT

DELTA LAUNCH VEHICLE

GS LAUNCH VEHICLES
- DELTA LAUNCH VEHICLE

RT ANIK SATELLITES
- ANIK 1
- ANIK 2
- BEACON EXPLORER A
- ESSA 1 SATELLITE
- ESSA 2 SATELLITE
- ESSA 3 SATELLITE
- ESSA 4 SATELLITE
- ESSA 5 SATELLITE
- ESSA 6 SATELLITE
- ESSA 7 SATELLITE
- ESSA 8 SATELLITE
- ESSA 9 SATELLITE
- EXPLORER 10 SATELLITE
- EXPLORER 12 SATELLITE
- EXPLORER 14 SATELLITE
- EXPLORER 15 SATELLITE
- EXPLORER 17 SATELLITE
- EXPLORER 18 SATELLITE
- EXPLORER 21 SATELLITE
- EXPLORER 26 SATELLITE
- EXPLORER 28 SATELLITE
- EXPLORER 29 SATELLITE
- EXPLORER 32 SATELLITE
- EXPLORER 33 SATELLITE
- EXPLORER 38 SATELLITE
- EXPLORER 43 SATELLITE
- EXPLORER 49 SATELLITE
- EXPLORER 55 SATELLITE
- INTERNATIONAL MAGNETOSPHERIC EXPLORER
- OSS-C
- OSS-1
- OSS-2
- OSS-4
- OUTER PLANETS EXPLORERS
- PIONEER 6 SPACE PROBE
- PIONEER 7 SPACE PROBE
- RGA SATCOM SATELLITES
- SPACE SHUTTLE UPPER STAGE D
- SYM1 1 SATELLITE
- SYM1 2 SATELLITE
- SYM1 3 SATELLITE
- TIROS 2 SATELLITE
- TIROS 3 SATELLITE
- TIROS 4 SATELLITE
- TIROS 5 SATELLITE
- TIROS 6 SATELLITE
- TIROS 7 SATELLITE
- TIROS 8 SATELLITE
- TIROS 9 SATELLITE
- TIROS 10 SATELLITE

DELTA WINGS

UF TRIGONAL WINGS
- AIRFOILS
- WINGS
- LOW ASPECT RATIO WINGS
- DELTA WINGS
- SWEEP WINGS
- SWEEPBACK WINGS
- DELTA WINGS
- PLANFORMS
- WING PLANFORMS
- SWEEPBACK WINGS
- DELTA WINGS

RT ARROW WINGS
- AVRO 707 AIRCRAFT
- CARRY WINGS
- FD 2 AIRCRAFT
- GA-5 AIRCRAFT
- VARIABLE SWEEP WINGS
- VERTICAL AIRCRAFT
- WARRIERED

DENDRITIC DRAINAGE

USE DRAINAGE PATTERNS

DESIOMETERS

GS MEASURING INSTRUMENTS
- DENSIMETERS
- RT GAMMA RAY ABSORPTIOMETRY
- GRAYMETERS
- OPTICAL EQUIPMENT
- OPTICAL MEASUREMENT
- OPTICAL MEASURING INSTRUMENTS
- PHOTOMETERS
- PHOTON ABSORPTIOMETRY
- TRANSMISSMETERS

DENSITY (MASS/VOLUME)

UF SPECIFIC GRAVITY
- GS DENSITY (MASS/VOLUME)
- ATMOSPHERIC DENSITY
- GAS DENSITY
- SPACE DENSITY
- ABSORPTION
- BULK MODULUS
- BUOYANCY
- COMPRESSIBILITY
- DEGENERATE MATTER
- DENSIMETERS
- DENSITY
- DENSITY MEASUREMENT
- HYDROMETERS
- INTERNAL FRICTION
- ISOPOYNYC PROCESSES
- LEWIS NUMBERS
- OPACITY
- PERMEABILITY
- PHYSICAL PROPERTIES
- POROSITY
- PYCNOGRAMETERS
- STOPPING POWER
- TRANSMISSIVITY
- TRANSMITTANCE
- TRANSVERSE
- ULTRASONIC DENSIMETERS
- VISCOSITY
- VOID RATIO
- WEIGHT MEASUREMENT

DENSITY (NUMBER/VOLUME)

GS DENSITY (NUMBER/VOLUME)
- METEOROID CONCENTRATION
- PACKING DENSITY
- PARTICLE DENSITY (CONCENTRATION)
- ELECTRON DENSITY
- ELECTRON DENSITY (CONCENTRATION)
- CARRIER DENSITY (SOLID STATE)
- ELECTRON DENSITY PROFILES
- IONOSPHERIC ELECTRON DENSITY
- MAGNETOSPHERIC ELECTRON DENSITY
- ELECTRON DISTRIBUTION
- ELECTRON DENSITY PROFILES
- ION DENSITY (CONCENTRATION)
- IONOSPHERIC ION DENSITY
- MAGNETOSPHERIC ION DENSITY
- MAGNETOSPHERIC PROTON DENSITY
- PROTON DENSITY
- PROTON DENSITY (CONCENTRATION)
- MAGNETOSPHERIC PROTON DENSITY
- PLASMA DENSITY
- SPACE DENSITY
- ATMOSPHERIC DENSITY
- DENSITY

DEPLOYMENT

RT GAME THEORY
- LOGISTICS
- MILITARY OPERATIONS
- MILITARY TECHNOLOGY
- OPERATIONS
- PERSONNEL
- STRATEGY
- TACTICS

DEPRESURIZATION

USE PRESSURE REDUCTION

DESCENT

GS DESCENT
- PARACHUTE DESCENT
- RT APPROACH
- ASCENT
- FLIGHT PATHS
- GUIDING
- REENTRY
DESTRUCTION (CONT.)
UNCONTROLLED REENTRY
(SPACECRAFT)

DESTRUCTION PROPULSION SYSTEMS
GS PROPELLION
DESCENT PROPULSION SYSTEMS
PROPULSION SYSTEM CONFIGURATIONS
. DESCENT PROPULSION SYSTEMS
. SYSTEMS

DESTRUCTION TRAJECTORIES
GS TRAJECTORIES
. DESCENT TRAJECTORIES
. REENTRY TRAJECTORIES
. ASCENT TRAJECTORIES
. ATMOSPHERIC ENTRY
. BALLISTIC TRAJECTORIES
. COASTING FLIGHT
. FALLING
. FLIGHT MECHANICS
. MANEURED REENTRY
. MIDLAPSE TRAJECTORIES
. MISSILE TRAJECTORIES
. PARASOLIC FLIGHT
. REENTRY
. REENTRY GUIDANCE
. SPACECRAFT TRAJECTORIES
. TERMINAL GUIDANCE

= DESIGN
S N (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS
LITED BELOW)
UF TAILORING
RT AERODYNAMIC CONFIGURATIONS
AIRCRAFT DESIGN
AMPLIFIER DESIGN
ANTENNA DESIGN
COMPUTER AIDED DESIGN
COMPUTER DESIGN
COMPUTER SYSTEMS DESIGN
CONSTRUCTION
CONTROL SYSTEMS DESIGN
DESIGN ANALYSIS
DESIGN TO COST
DIMENSIONS
DRAFTING MACHINES
ENGINE DESIGN
ENGINEERING DRAWINGS
EQUIPMENT SPECIFICATIONS
ESTIMATING
EXPLOSION DESIGN
FACTORY DESIGN
FUNCTIONAL DESIGN SPECIFICATIONS
HELICOPTER DESIGN
IPAD
LAYOUTS
LENS DESIGN
LOGIC DESIGN
MISSILE DESIGN
NOZZLE DESIGN
OPTIMIZATION
PLANNING
PLANT DESIGN
PRESSURE VESSEL DESIGN
PRODUCT DEVELOPMENT
REACTOR DESIGN
RELIABILITY
RESEARCH
RESEARCH AND DEVELOPMENT
ROCKET ENGINE DESIGN
SATELLITE DESIGN
SPACECRAFT DESIGN
STRUCTURAL DESIGN
STRUCTURAL DESIGN CRITERIA
= SYNERGY
SYSTEMS ENGINEERING

DESPINNING
USE SPIN REDUCTION

DESTABILIZATION
RT SPIN REDUCTION
. TUMBLING MOTION

DESTRUCTOR AIRCRAFT
USE B-46 AIRCRAFT

DESTRUCTION
RT ABORTED MISSIONS
. ACCIDENTS
. BREAKING
. CRACKING (FRACTURING)

DESTRUCTIVE TESTS
GS DESTRUCTIVE TESTS
. BURST TESTS
. COMPRESSION TESTS
. CORROSION TESTS
. DETERMINATION
. DESTRUCTION
. GASES
. GAS MIXTURES
. IMPACT TESTS
. RATED TESTS
. MATERIALS TESTS
. NONDESTRUCTIVE TESTS
. TENSILE TESTS
. TESTS
. VIBRATION TESTS
. WEAR TESTS

DESIGN (SYNTHESIS)
BIOLOGICAL EFFECTS
. DESYNCHRONIZATION (BIOLlOY)
. DISORIENTATION
. PSYCHOLOGICAL EFFECTS
. DESYNCHRONIZATION (BIOLOGY)
RT JET LAG
. PHYSIOLOGICAL RESPONSES
. RHYTHM (BIOLOGY)

DETERMINATION
USE MEASUREMENT

DETONABLE GAS MIXTURES
GS GASES
. GAS MIXTURES
. DETONABLE GAS MIXTURES
. MIXTURES
. SOLUTIONS
. GAS MIXTURES
RT CHEMICAL EXPLOSIONS
. FIREBALLING
. FLAMMABILITY
. FLAMMABLE GASES
. GAS EXPLOSIONS
. GAS-GAS INTERACTIONS
. OXYACETYLENE

DETONATION
UF CHAPMAN-JOUGETT FLAME
RT CHEMICAL EXPLOSIONS
. COMBUSTION
. DISCHARGE
. EXPLOSIONS
. FIRES (IGNITING)
. FLAME PROPAGATION
. INITIATION
. PERCUSSION
. PRIMERS (EXPLOSIVES)
. PROPELLANT EXPLOSIONS
. ROCKET FIRING
. SHOCK WAVES

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

DEW
RT ACID RAIN
. FROST
. PRECIPITATION (METEOROLOGY)
. WATER VAPOR

DFA
USE DELAYED FLAP APPROACH

DHC 2 AIRCRAFT

DHC 106 AIRCRAFT
USE COMET 4 AIRCRAFT

DHC 112 AIRCRAFT
USE DE HAVILLAND DH 112 AIRCRAFT
. DE HAVILLAND VENOM AIRCRAFT
. VENOM AIRCRAFT
GS ATTACK AIRCRAFT
. DH 112 AIRCRAFT
. DE HAVILLAND AIRCRAFT
. DH 112 AIRCRAFT
. HAWKER SIDDELEY AIRCRAFT
. DH 112 AIRCRAFT
. JET AIRCRAFT
. DH 112 AIRCRAFT
. MONOPLANES
. DH 112 AIRCRAFT
RT = AIRCRAFT

DHC 115 AIRCRAFT
USE DE HAVILLAND DH 115 AIRCRAFT
. VAMPIRE AIRCRAFT
GS ATTACK AIRCRAFT
. DH 115 AIRCRAFT
. HAWKER SIDDELEY AIRCRAFT
. DH 115 AIRCRAFT
. JET AIRCRAFT
. DH 115 AIRCRAFT
. MONOPLANES
. DH 115 AIRCRAFT
. TRAINING AIRCRAFT
. DH 115 AIRCRAFT
RT = AIRCRAFT

DHC 121 AIRCRAFT
USE DE HAVILLAND DH 121 AIRCRAFT
. TRIDENT AIRCRAFT
GS COMMERCIAL AIRCRAFT
. DH 121 AIRCRAFT
. DE HAVILLAND AIRCRAFT
. DH 121 AIRCRAFT
. HAWKER SIDDELEY AIRCRAFT
. DH 121 AIRCRAFT
. JET AIRCRAFT
. TURBOFAN AIRCRAFT
. DH 121 AIRCRAFT
. MONOPLANES
. DH 121 AIRCRAFT
. PASSENGER AIRCRAFT
. DH 121 AIRCRAFT
. TRANSPORT AIRCRAFT
. DH 121 AIRCRAFT
RT = AIRCRAFT

DHC 125 AIRCRAFT
USE DE HAVILLAND DH 125 AIRCRAFT
. HS-125 AIRCRAFT
. JET DRAGON AIRCRAFT
GS DE HAVILLAND AIRCRAFT
. DH 125 AIRCRAFT
. GENERAL AVIATION AIRCRAFT
. DH 125 AIRCRAFT
. HAWKER SIDDELEY AIRCRAFT
. DH 125 AIRCRAFT
. JET AIRCRAFT
. LIGHT AIRCRAFT
. DH 125 AIRCRAFT
. MONOPLANES
. DH 125 AIRCRAFT
. PASSENGER AIRCRAFT
. DH 125 AIRCRAFT
. TRANSPORT AIRCRAFT
. DH 125 AIRCRAFT
RT = AIRCRAFT

DHC BEAVER AIRCRAFT
USE DHC 2 AIRCRAFT

DHC 2 AIRCRAFT
USE DHC BEAVER AIRCRAFT
. DE HAVILLAND AIRCRAFT
. DHC 2 AIRCRAFT
. GENERAL AVIATION AIRCRAFT
. DHC 2 AIRCRAFT
. JET AIRCRAFT
. DHC 2 AIRCRAFT
. MONOPLANES
. DHC 2 AIRCRAFT
. TRANSPORT AIRCRAFT
. DHC 2 AIRCRAFT
RT = AIRCRAFT

DH 102 AIRCRAFT
DIFFUSION

- Particle diffusion
- Electron diffusion
- Ionic diffusion
- Plasma diffusion
- Self-diffusion (solid state)
- Self-propagation
- Species diffusion
- Surface diffusion
- Thermal diffusion
- Turbulent diffusion

RT = Absorption

Diffusion coefficient

Atmospheric scattering
Chemical engineering
Circulation
Dehumidification
dialysis
Diffusers
Diffusion length
Diffusivity
Dilution
Dispersion
Dissipation
Dissolving
Distillation
Drying
Effects
Einsteins equations
Equilibrium
Evaporation
Extraction
Ficks equation
Gas-metal interactions
Kinetic theory
Mixing
Nonpoint sources
Osmosis
Penetration
Percolation
Permeability
Permeating
Propagation
Radial flow
Reflection
Scattering
Self absorption
Separation
Sound propagation
Sound waves
Spraying
Spreading
Sublimation
Surface properties
Thermophoresis
Transport properties

Diffusion coefficient

GS = Coefficients
- Diffusion coefficient
- Soret coefficient
Transport properties
- Diffusion coefficient
- Soret coefficient
RT = Attenuation coefficients

Equilibrium
Ficks equation
Gaseous diffusion
Lewis numbers
Mass flow rate
Molecular diffusion
Particle diffusion

Diffusion effect

Use diffusion

Diffusion flames

GS = Flames
- Diffusion flames
RT = Boundary layer combustion
Combustion
Dammoker number

Diffusion length

GS = Dimensions
- Length
- Diffusion length
distance
RT = Carrier transport (solid state)
Diffusion
Electron diffusion
Minority carriers

Diffusion length (cont.)

Particle diffusion
Semiconductor devices
Solar cells

Diffusion theory

RT = Einstein equations
Fokker-Planck equation
Jacobi integral
Kirkendall effect
Monte Carlo method
Theories
Transport theory

Diffusivity

RT = Diffusion fluid mechanics
Impedance
Kirkendall effect
Mobility
Non-semiconductor devices
Permeability
Physical properties
Resistance
Solubility
Thermodynamic properties

Digital navigation

GS = Digital systems
- Vibrational waveguide
- Digital navigation
Navigation
RT = Air navigation
Dead reckoning
Inertial navigation
Polar navigation
Space navigation
Surface navigation

Digital transducers

GS = Transducers
RT = Digital transducers
RT = Interdigital transducers

Dihedral angle

GS = Geometry
- Euclidean geometry
- Angles (geometry)
- Dihedral angle
RT = Lateral stability

Dihedral effect

Use lateral stability

Dilatational waves

GS = Elastic waves
- Dilational waves
RT = Longitudinal waves
P waves
S waves
Seismic waves
Shear
Stretching
Waves

Dilatometers

Use extensometers

Dilatometry

RT = Extensometers
- Measurement
- Thermal expansion

Dimensional measurement

RT = Deformers
Distance measuring equipment
Ellipsometry
Measurement
Microscanners
Size determination

Dimensionless numbers

GS = Ratios
- Dimensionless numbers
- Biot number
- Prandtl number
- Proude number
- Grashof number
- Hartmann number
- Laval number
- Lewis numbers
- Mach number
- Nusselt number
- Peclét number

Discharge coefficient

GS = Coefficients
- Flow coefficients
- Discharge coefficient
RT = Axial flow
Flow velocity

Discharge coefficient (cont.)

- Prandtl number
- Rayleigh number
- Reynolds number
- High Reynolds number
- Low Reynolds number
- Richardson number
- Schmidt number
- Similarity numbers
- Stanton number
- Strouhal number

Dimensional analysis

Fluid flow
Heat transfer
Numbers
Scaling laws

Diophantine equation

GS = Number theory
- Diophantine equation
RT = Equations

Direct lift controls

RT = Control
Lift devices

Direction

SN (Use of a more specific term is recommended—consult the terms listed below)

RT = Autonomy
Azimuth
Bearing (direction)
Directivity
Line of sight
Management
Reversing

Directional control

UF = Vector control
GS = Attitude control
- Directional control
- Thrust vector control
RT = Aircraft control
Automatic control
- Control
Helicopter control
Jet control
Lateral control
Lateral stability
Manual control
Missile control
Rocket engine control
Satellite attitude control
Satellite control
Yaw

Directional stability

GS = Dynamic characteristics
- Dynamic stability
- Motion stability
- Attitude stability
- Directional stability
- Gyroscopic stability
Stability
- Dynamic stability
- Motion stability
- Attitude stability
- Directional stability
- Gyroscopic stability

RT = Aerodynamic stability
Aircraft stability
Control and stability
Flow stability
Horizontal orientation
Hovering stability
Lateral oscillation
Lateral stability
Longitudinal stability
Rotary stability
Spacecraft stability
Stability augmentation
Vertical orientation
Yaw

Dirigibles

Use airships

Discharge coefficient (cont.)

GS = Flow coefficients
- Discharge coefficient
DISTORTION
GS DISTRIBUTION (PROPERTY)
RT ABERRATION
SN\nDITCHING (LANDING)

DOUGLAS PD-808 AIRCRAFT

DOPPLER NAVIGATION (CONT.)
GS NAVIGATION
RT DORNIER AIRCRAFT
DO-27 AIRCRAFT
DO-28 AIRCRAFT
DO-31 AIRCRAFT

DOUGLAS D-558 AIRCRAFT
USE D-558 AIRCRAFT

DOUGLAS DC-3 AIRCRAFT
USE DC-3 AIRCRAFT

DOUGLAS DC-7 AIRCRAFT
USE DC-7 AIRCRAFT

DOUGLAS DC-9 AIRCRAFT
USE DC-9 AIRCRAFT

DOUGLAS MILITARY AIRCRAFT
USE DOUGLAS AIRCRAFT

DOUGLAS AIRCRAFT
USE DOUGLAS MILITARY AIRCRAFT

DOUGLAS D-558 AIRCRAFT
USE D-558 AIRCRAFT

DOUGLAS DC-3 AIRCRAFT
USE DC-3 AIRCRAFT

DOUGLAS DC-7 AIRCRAFT
USE DC-7 AIRCRAFT

DOUGLAS DC-9 AIRCRAFT
USE DC-9 AIRCRAFT

DOUGLAS MILITARY AIRCRAFT
USE DOUGLAS AIRCRAFT

DOUGLAS AIRCRAFT
USE DOUGLAS MILITARY AIRCRAFT

DOUGLAS D-558 AIRCRAFT
USE D-558 AIRCRAFT

DOUGLAS DC-3 AIRCRAFT
USE DC-3 AIRCRAFT

DOUGLAS DC-7 AIRCRAFT
USE DC-7 AIRCRAFT

DOUGLAS DC-9 AIRCRAFT
USE DC-9 AIRCRAFT

DOUGLAS MILITARY AIRCRAFT
USE DOUGLAS AIRCRAFT

DOUGLAS PD-808 AIRCRAFT
USE PD-808 AIRCRAFT

53
DOWNRANGE

DOWNRANGE
RT BALLISTIC RANGES
BALLISTIC TRAJECTORIES
FLIGHT TESTS
IMPACT PREDICTION
MISSILE RANGES
RECOVERY ZONES
TEST RANGES
TOUCHDOWN
TRAJECTORIES

DOWNRANGE ANTIMISSILE MEASUREMENT PROGRAM
RT DRAFT

DOWNRANGE MEASUREMENT
RT DRAFT

DOWNWASH
RT BACKWASH
DRAFT (GAS FLOW)

DRAFT (GAS FLOW)
RT DRAFT

DRAFT
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED-CONSULT THE TERMS
LISTED BELOW)
RT DRAFT COEFFICIENTS
DIRECTIONS
DRAG COEFFICIENTS
SN (USE OF A MORE SPECIFIC TERM IS
RECOMMENDED-CONSULT THE TERMS
LISTED BELOW)
RT DRAFT COEFFICIENTS
DIRECTIONS
DRAG COEFFICIENTS

DRAG FORCE ANEMOMETERS
GS DRAG FORCE ANEMOMETERS

DRAG MEASUREMENT
GS MECHANICAL MEASUREMENT
DRAG MEASUREMENT
RT DRAFT

DRAG EFFECT
USE DRAG

DRAG REDUCTION
RT AERODYNAMIC DRAG

DRAINAGE PATTERNS
USE DRAINAGE PATTERNS

DROGUES
USE TOWED BODIES

DRONE AIRCRAFT
USE DRONE AIRCRAFT

DRONE HELICOPTERS
USE DRONE HELICOPTERS

DRONE VEHICLES
USE DROPPED AIRFOILS

DROPPED AIRFOILS
USE DROPPED AIRFOILS

DROPPED AIRCRAFT
USE DROPPED AIRCRAFT
ENDEAVOUR (ORBITER)

ENCLOSURES

ENCKE METHOD

ENDORADIOSONDES

ENGINE DESIGN

ENGINE FAILURE

ENGINE INLETS

ENGINE MONITORING INSTRUMENTS

ENGINE PARTS

ENGINE PRIMERS

ENGINE STARTERS

ENGINE TESTING LABORATORIES

ENGINE COOLANTS

ENGINE COOLANTS

ENGINE COOLANTS

ENGINE COOLANTS

ENGINE COOLANTS

ENGINE COOLANTS

ENGINE COOLANTS

ENGINE COOLANTS

ENGINE COOLANTS

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ENGINE COOLANTS

ENGINE COOLANTS

ENGINE COOLANTS

ENGINE COOLANTS

ENGINE COOLANTS

ENGINE COOLANTS

ENGINE COOLANTS

ENGINE COOLANTS

ENDORADIOSONDES (CONT.

ENGINE DESIGN

ENGINE DESIGN
ENGINEERING DRAWINGS

ENGINE TESTS-(CONT.)

RT  AIRCRAFT RUNUP
ALTITUDE TESTS
CAPTIVE TESTS
FLIGHT TESTS
FUEL TESTS
FULL SCALE TESTS
GROUND TESTS
LUBRICANT TESTS
MISSILE TESTS
NONDESTRUCTIVE TESTS
PRELIMINARY TESTS
PROPELLANT TESTS
PROPELLANT EFFICIENCY
ROCKET ENGINE DESIGN
ROCKET TEST FACILITIES
SERT 1 SPACECRAFT
SERT 2 SPACECRAFT
STATIC TESTS
STIRRING ENGINES
TEST FIRING
TEST STANDS
TESTING TIME

ENGINEERING DRAWINGS

UF  MECHANICAL DRAWINGS
GS  ENGINEERING DRAWINGS
DOCUMENTS
ENGINEERING DRAWINGS
BLUEPRINTS
DRAWINGS
ENGINEERING DRAWINGS
BLUEPRINTS
RT  CIRCUIT DIAGRAMS
DESIGN
DIMENSIONS
GRAPHIC ARTS
LAYOUTS
LOTTING
REPRODUCTION (COPYING)

ENGINES

SN  LIMITED TO MACHINES WITH
SELF-CONTAINED POWER SOURCES
FOR CONTINUOUS OPERATION—SEE
MOTORS FOR MACHINES UTILIZING
EXTERNAL POWER SOURCES FOR
NORMAL OPERATION

UF  GAS GENERATOR ENGINES
GS  ENGINES

JET ENGINES
RAMJET ENGINES

e INTEGRAL ROCKET RAMJETS
LOW VOLUME RAMJET ENGINES
PULSEJET ENGINES
SUPersonic COMBUSTION
RAMJET ENGINES
TURBORAMJET ENGINES
T-65 ENGINE
T-76 ENGINE
TURBOJET ENGINES

BRISTOL-SIDDELEY OLYMPUS
T-52 ENGINE

BRISTOL-SIDDELEY Viper
ENGINE
TURBOFAN ENGINES

TURBINE ENGINES

ENGINES (CONT.)

TURBORAMJET ENGINES
T-58 GE-88 ENGINE
EXTERNAL COMBUSTION ENGINES
STIRRING ENGINES
INTERNAL COMBUSTION ENGINES

TURBOPROP ENGINES

J-65 ENGINE
T-76 ENGINE
TURBOJET ENGINES

M-1 ENGINE
RL-10-A-1 ENGINE
RL-10-A-3 ENGINE

LIQUID AIR CYCLE ENGINES
LR-87-AJ-5 ENGINE
LR-91-AJ-5 ENGINE

LA-5 ENGINE
MA-2 ENGINE
MA-3 ENGINE
MA-5 ENGINE

OXYGEN-HYDROCARBON ROCKET
ENGINES
RL-10 ENGINES
RL-10-A-1 ENGINE
RL-10-A-3 ENGINE

SPACE SHUTTLE MAIN ENGINE
X-405 ENGINE
XLR-99 ENGINES

M-100 ENGINE
MICROROCKET ENGINES

ORBIT MANEUVERING ENGINE
(SPACE SHUTTLE)

NOZZLELESS SS ROCKET ENGINES
NUCLEAR ENGINE FOR ROCKET
Vehicles

NUCLEAR RAMJET ENGINES

NUCLEAR ROCKET ENGINES

NUCLEAR LIGHTWEIGHT ENGINES
RESTARTABLE ROCKET ENGINES

RETROROCKET ENGINES

BE-3 ENGINE

REUSABLE ROCKET ENGINES

SOLID PROPELLANT ROCKET
ENGINES

ALGOL ENGINE
APOGEE BOOST MOTORS

HERCULES ENGINE

M-45 ENGINE
M-55 ENGINE
M-55 ENGINE

NIKE ROCKET ENGINES

P-1 ENGINE

SL-3 ROCKET ENGINE
SPACE SHUTTLE BOOSTERS

ADVANCED SOLID ROCKET
MOTOR (STRS)

SYNCOM APOGEE ENGINES

TU-121 ENGINE

TX-334 ENGINE
X-248 ENGINE
X-254 ENGINE
X-258 ENGINES
X-258-61 ENGINE
X-259 ENGINE
XM-23 ENGINE

SUSTAINER ROCKET ENGINES

TURBOJET ENGINES

ULLAGE ROCKET ENGINES

UPPER STAGE ROCKET ENGINES
VERNIER ENGINES

SYNCOM APOGEE ENGINES

TORPEDO ENGINES

TURBOJET ENGINES

ULLAGE ROCKET ENGINES

VERNIER ENGINES

CONTROL ROCKET

SYNCOM APOGEE ENGINES

TURBINE ENGINES

GAS TURBINE ENGINES

JET ENGINES

RAMJET ENGINES

LOW VOLUME RAMJET ENGINES

PULSEJET ENGINES
### Equilibrium Equations

**EQUILIBRIUM EQUATIONS**

**EQUILIBRIUM**
- Thermodynamic Properties
- Thermodynamics
- Transition Points
- Unsteady State
- Variability
- Water Balance

**Equilibrium Equations**
- Analysis (Mathematics)
- Equations
- Equations of Motion
- Equations of State
- Equilibrium

**Equilibrium Flow**
- Steady State Flow
- Fluid Flow
- Gas Flow
- Equilibrium Flow
- Frozen Equilibrium Flow

**Erection**
- Heat Transmission
- Nonequilibrium Flow
- Plasma Equilibrium
- Quasi-Steady States
- Steady Flow

**Equipment**
- Use of a more specific term is recommended—consult the terms listed below

**UF**
- Apparatus
- RT
- Abort Apparatus
- Absorbers (Equipment)
- Accumulators (Computers)
- Air Conditioning Equipment
- Airborne Equipment
- Aircraft Equipment
- Airport Surface Detection Equipment
- Audio Equipment
- Automatic Test Equipment
- Bedding Equipment
- Bombing Equipment
- Breathing Apparatus
- Communication Equipment
- Computer Storage Devices
- Consoles
- Cryogenic Computer Storage
- Cryogenic Equipment
- Data Processing Equipment
- Distillation Equipment
- Equipment for Electronic Mechanical Devices
- Electronic Equipment
- Ground Support Equipment
- Handling Equipment
- Hardware
- Heat Exchanger
- Hydraulic Equipment
- Laboratory Equipment
- Lighting Equipment
- Mechanical Devices
- Medical Equipment
- Miniature Electronic Equipment
- Onboard Equipment
- Peripheral Equipment (Computers)
- Photographic Equipment
- Pneumatic Equipment
- Portable Equipment
- Radar Equipment
- Rigging Equipment
- Safety Devices
- Self Erecting Devices
- Service Life
- Spacecraft Equipment
- Survival Equipment
- Syringes
- Television Equipment
- Test Equipment
- Wind Tunnel Apparatus
- X-Ray Apparatus

**ER Fluids**
- Use of Electron-Healogical Fluids

**Erection**
- Use of Construction

**Ergometers**
- Measuring Instruments
- Ergometers
- RT
- Dynamometers

**Erosive Burning**
- Combustion
- Erosive Burning
- RT
- Burnout
- Combustion Temperature
- Erosion
- Exhaust Gases
- Fuel Combustion
- Hypersonic Combustion
- Oxidation
- Pitting
- Propellant Combustion
- Solid Propellant Combustion
- Tribology

**Error Correcting Devices**
- BCH Codes
- Correction
- Devices
- Instrument Compensation
- Redundancy Encoding

**Escape Capsules**
- Safety Devices
- Escape Capsules
- Space Capsules
- Escape Capsules
- Aborted Missions
- Ejection Seats
- Emergency Life Sustaining Systems
- Escape
- Flying Ejection Seats
- High Altitude Environments
- Launch Escape Systems
- Lunar Escape Devices
- Paracone
- Pressurized Cabins

**Escape Rockets**
- Safety Devices
- Escape Rockets
- Aborted Missions
- Escape
- Abandonment
- Launch Escape Systems
- Lunar Escape Devices
- Rockets
- Spacecraft

**ESG (Gyroscopes)**
- Use of Electrostatic Gyroscopes

**Etalons**
- Measuring Instruments
- Interferometers
- Etalons
- Optical Measuring Instruments
- Etalons
- Mirrors
- Etalons
- Optical Equipment
- Optical Measuring Instruments
- Etalons
- Diffractions
- Fabry-Perot Interferometers
- Flatness
- Goniometers
- Optical Measurement
- Photogoniometers
- Reflectors
- Ronchi Test
- Sagnac Effect
- Specular Reflection
- Telescopes
- Very Long Base Interferometry

**Euler Equations of Motion**
- Equations of Motion
- Euler Equations of Motion
- RT
- Equations
- Hydrodynamics
- Moments of Inertia
- Primitive Equations
- Rigid Structures

**Euler-Cauchy Equations**
- Analysis (Mathematics)
- Real Variables
- Differential Equations
- Partial Differential Equations
- Euler-Cauchy Equations

**Euler-Cauchy Equations**
- Complex Variables
- Conformal Mapping
- Equations
- Vector Analysis

**Euler-Lagrange Equation**
- Use of Lagrange Equations of Motion
- Calculus of Variations
- Castigliano Variational Theorem
- Classical Mechanics
- Equations
- Extremum Values

**Euler-Lagrange Equation**
- Elliptical Orbits
- Equations

**Europa Launch Vehicles**
- Launch Vehicles
- Europa Launch Vehicles
- Europa 1 Launch Vehicle
- Europa 2 Launch Vehicle
- Europa 3 Launch Vehicle
- Europa 4 Launch Vehicle

**European Airbus**
- Airbus
- Commercial Aircraft
- European Airbus
- A-300 Aircraft
- A-310 Aircraft
- A-320 Aircraft
- Jet Aircraft
- European Airbus
- A-300 Aircraft
- A-310 Aircraft
- A-320 Aircraft
- Passenger Aircraft
- European Airbus
- A-300 Aircraft
- A-310 Aircraft
- A-320 Aircraft
- Transport Aircraft
- Short-Haul Aircraft
- European Airbus
- A-300 Aircraft
- A-310 Aircraft
- A-320 Aircraft
- RT
- Aircraft
- International Cooperation

**Evacuating**
- Use of a more specific term is recommended—consult the terms listed below

**RT**
- Evacuating (Transportation)
- Evacuating (Vacuum)
Do EXCHANGERS

EXHAUST EMISSION

EXHAUST DIFFUSERS

EXCHANGING

EVAPOROGRAPHY

EVAPORATIVE COUPLING

EVAPORATION RATE

EVACUATING (TRANSPORTATION)

EVANESCENCE

EVACUATING (VACUUM)

RT

GS EXCHANGING

RT HEAT EXCHANGERS

SN

RT COOLING SYSTEMS

GS COOLING

RT HEAT TRANSFER COEFFICIENTS

GS RATES (PER TIME)

RT GAS-GAS INTERACTIONS

GS EMISSION

RT CONICAL NOZZLES

USE GENERAL AVIATION AIRCRAFT

TRANSFERRING

DEIONIZATION

CONVERSION

LISTED BELOW

USE INFRARED IMAGES

PROPELLANT EVAPORATION

EVAPORATION

CRYOGENIC

EVAPORATIVE COOLING

TRANSPIRATION

SURFACE PROPERTIES

VENTS

VENTING

THERMAL EMISSION

RELEASING

POLLUTION

PARTICLE EMISSION

HIGH TEMPERATURE GASES

GAS-METAL INTERACTIONS

EXHAUST EMISSION

EVAPORATION

VACUUM PUMPS

VACUUM REMOVAL

PURGING

GAS POCKETS

EXHAUSTING

EJECTION

UNLOADING

TRANSPORTATION

MOBILE QUARANTINE FACILITY

HOSPITALS

ION EXCHANGING

GAS EXCHANGE

RESONANCE CHARGE EXCHANGE

ION EXCHANGING

GAS EXCHANGE

RESONANCE CHARGE EXCHANGE

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EXPLOSIVE DECOMPRESSSION

EXPLOSIVES (CONT.)
- BLAST LOCS
  - BLASTS
  - BURSTS
  - COMBUSTION
  - DETONATION
  - DISCHARGE
  - EXPLOSIVE DECOMPRESSSION
  - EXPLOSIOVES
  - FIRES
  - FLAME PROPAGATION
  - FLASH
  - FLASHBACK
  - HAZARDS
  - HYDROCARBON COMBUSTION
  - IMPLORATIONS
  - REACTOR SAFETY
  - RIEMANN WAVES
  - SAFETY
  - SHOCK WAVES
  - SOUND PRESSURE
  - SPONTANEOUS COMBUSTION
  - WARNING SYSTEMS

EXPLOSIVE DECOMPRESSION
- GS PRESSURE REDUCTION
- RT EXPLOSION
- IMPLORATIONS
- PRESSURE RECOVERY
- PRESSURIZED CABINS

EXPLOSIVE GASES
- USE FLAMMABLE GASES

EXPULSION BLADDERS
- GS DIAPHRAGMS (MECHANICS)
- EXPULSION BLADDERS
- RT BELLLOWS
- EJECTION
-EMPTYING
- EXPANDABLE STRUCTURES
- FUEL TANK PRESSURIZATION
- FUEL TANKS
- PRESSURIZING
- PROPELLANT STORAGE
- PROPELLANT TANKS
- STORAGE TANKS

EXTENSOMETERS
- UF DIALOMETERS
- GS MEASURING INSTRUMENTS
- EXTENSOMETERS
- RT DEFORMETERS
- DIALOMETRY
- ELASTOMETERS
- MECHANICAL MEASUREMENT
- STRAIN GAGES
- STRESS MEASUREMENT
- TENSOMEZERS
- THERMAL EXPANSION
- TRANSDUCERS

EXTERNAL COMBUSTION ENGINES
- GS ENGINES
  - EXTERMD COMBUSTION ENGINES
  - STIRLING ENGINES
- RT AUTOMOBILE ENGINES
- BOilers
- GAS TURBINE ENGINES
- INTERNAL COMBUSTION ENGINES
- PISTON ENGINES

EXTERNAL STORES SEPARATION
- UF STORE RELEASE
- RT NACELLES
- POS (EXTERNAL STORES)
- PROTRUBERANCES
  - SEPARATION
  - STORAGE
  - WING TANKS
- WING-FUSELAGE STORES

EXTERNAL SURFACE CURRENTS
- GS ELECTRIC CURRENT
- EXTERNAL SURFACE CURRENTS
- RT CURRENTS
  - ELECTRIC FIELDS
  - ELECTROMAGNETIC FIELDS
  - ELECTROMAGNETIC PULSES
  - LEVITATION MELTING
  - PHOTOSYNTHETIC EMISSION
  - SPACECRAFT CHARGING
  - SURFACES

EXTERNAL SURFACE CURRENTS (CONT.)
- SYSTEM GENERATED
  - ELECTROMAGNETIC PULSES

EXTERNAL TANKS
- GS TANKS (CONTAINERS)
- EXTERNAL TANKS
- RT FUEL TANKS
- NACELLES
- PROPELLANT TANKS
- SPACE SHUTTLE ASCENT STAGE
- STORAGE TANKS
- WING TANKS

EXTERNALLY BLOWN FLAPS
- UF BLOWN FLAPS
- EBF
- GS AIRFOILS
- FLAPS (CONTROL SURFACES)
  - EXTERNALLY BLOWN FLAPS
  - UPPER SURFACE BLOWN FLAPS
  - CONTROL SURFACES
  - FLAPS (CONTROL SURFACES)
  - UPPER SURFACE BLOWN FLAPS
- RT JET FLAPS
- LIFT
- UFT DEVICES
- POWERED LIFT AIRCRAFT
- SHORT TAKEOFF AIRCRAFT
- SPANWISE BLOWING
- WING FLAPS
- WING NACELLE CONFIGURATIONS

EXTINGUISHERS
- USE FIRE EXTINGUISHERS

EXTINGUISHING
- USE FLAME QUENCHING
- EXTINGUISHING
- FLAMESHUT
- RT BLOWN FLAPS
- EBF
- GS AIRFOILS
- FLAPS (CONTROL SURFACES)
  - EXTERNALLY BLOWN FLAPS
  - UPPER SURFACE BLOWN FLAPS
  - CONTROL SURFACES
  - FLAPS (CONTROL SURFACES)
  - UPPER SURFACE BLOWN FLAPS
- RT JET FLAPS
- LIFT
- UFT DEVICES
- POWERED LIFT AIRCRAFT
- SHORT TAKEOFF AIRCRAFT
- SPANWISE BLOWING
- WING FLAPS
- WING NACELLE CONFIGURATIONS

EYRING THEORY
- GS KINETIC THEORY
  - TRANSPORT THEORY
  - EYRING THEORY
  - EYRING THEORY
- RT EQUILIBRIUM FLOW
- FLUID DYNAMICS
  - THEORIES

F-2 AIRCRAFT
- UF HAWKER HUNTER AIRCRAFT
- HUNTER F-2 AIRCRAFT
- GS ATTACK AIRCRAFT
  - FIGHTER AIRCRAFT
  - F-2 AIRCRAFT
  - HAWKER SIDDELEY AIRCRAFT
  - F-2 AIRCRAFT
  - JET AIRCRAFT
  - F-2 AIRCRAFT
  - MONOPLANES
- F-2 AIRCRAFT
  - SINGLE ENGINE AIRCRAFT
  - F-2 AIRCRAFT

F-4 AIRCRAFT
- JET AIRCRAFT
- LF-4 AIRCRAFT
- GS CRUSADER AIRCRAFT
- F-5 AIRCRAFT
- GS CRUSADER AIRCRAFT
- F-5 AIRCRAFT
- GS HAWKER SIDDELEY AIRCRAFT
- F-5 AIRCRAFT
- GS SUPERSONIC AIRCRAFT
- F-5 AIRCRAFT

F-5 AIRCRAFT
- USE FLAME QUENCHING
- EXTINGUISHING
- FLAMESHUT
- RT BLOWN FLAPS
- EBF
- GS AIRFOILS
- FLAPS (CONTROL SURFACES)
  - EXTERNALLY BLOWN FLAPS
  - UPPER SURFACE BLOWN FLAPS
  - CONTROL SURFACES
  - FLAPS (CONTROL SURFACES)
  - UPPER SURFACE BLOWN FLAPS
- RT JET FLAPS
- LIFT
- UFT DEVICES
- POWERED LIFT AIRCRAFT
- SHORT TAKEOFF AIRCRAFT
- SPANWISE BLOWING
- WING FLAPS
- WING NACELLE CONFIGURATIONS

FABRY-PEROT INTERFEROMETERS
- GS MEASURING INSTRUMENTS
  - INTERFEROMETERS
  - FABRY-PEROT INTERFEROMETERS
- RT ETALONS
- MICROPLANE INTERFEROMETERS
- PLASMA DIAGNOSTICS

FABRY-PEROT SPECTROMETERS
- GS MEASURING INSTRUMENTS
  - RADIOATION MEASURING INSTRUMENTS
  - FABRY-PEROT SPECTROMETERS
  - SPECTROMETERS
  - FABRY-PEROT SPECTROMETERS
- RT ACTINOMETERS
- AURORAL SPECTROSCOPY
- OPTICAL EQUIPMENT
- OPTICAL MEASURING INSTRUMENTS
FACETS
USE FLAT SURFACES

= FACILITIES
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
RT AIRPORTS
GS ELECTRIC POWER PLANTS
GS GROUND HANDLING
GS INDUSTRIAL AREAS
GS INDUSTRIAL PLANTS
GS LAND USE
GS LAUNCHING BASES
GS LOGISTICS
GS LOGISTICS MANAGEMENT
GS MILITARY AIR FACILITIES
GS MOBILE QUARANTINE FACILITY
GS RESEARCH FACILITIES
GS ROADS
GS SITE SELECTION
GS SOLAR CELL CALIBRATION FACILITY
GS STATIONS
GS TERMINAL FACILITIES
GS TEST STRUCTURES
GS X RAY ASTRONOMY FACILITY

FAIRCHILD MILITARY AIRCRAFT
USE FAIRCHILD-HILLER AIRCRAFT
USE MILITARY AIRCRAFT

FAIRCHILD-HILLER AIRCRAFT
USE FAIRCHILD MILITARY AIRCRAFT
GS FAIRCHILD-HILLER AIRCRAFT
RT C-119 AIRCRAFT
RT C-121 AIRCRAFT
RT OH-5 HELICOPTER
RT OH-23 HELICOPTER
RT XC-142 AIRCRAFT
RT = AIRCRAFT

FAIREY AIRCRAFT
GS FAIREY AIRCRAFT
RT FD 2 AIRCRAFT

FAIREY DELTA 2 AIRCRAFT
USE FD 2 AIRCRAFT

FAIRINGS
GS SYMMETRICAL BODIES
GS STREAMLINED BODIES
GS FAIRINGS
RT AERODYNAMIC CONFIGURATIONS
RT AIRCRAFT STRUCTURES
GS CANOPIES
GS CONING
GS FANUS
GS HOUSINGS
GS LANDING GEAR
GS NACELLES
GS NOZZLES
GS PERFORATED SHELLS
GS PROTECTORS
GS PROTRUBANCES
GS SHEATHS
GS SHELLS (STRUCTURAL FORMS)
GS SPINNERS
GS STREAMLINING
GS WING ROOTS

FALCON MISSILE
GS MISSILES
GS AERODYNAMIC
GS ANTIAIRCRAFT MISSILES
GS FALCON MISSILE
RT M-46 ENGINE
GS SOLID PROPELLANT ROCKET ENGINES

FALKNER-SKAN EQUATION
GS ANALYSIS (MATHEMATICS)
GS REAL VARIABLES
GS DIFFERENTIAL EQUATIONS
GS FALKNER-SKAN EQUATION
RT BLASIUS EQUATION
RT BOUNDARY LAYER SEPARATION
GS EQUATIONS
GS LAMINAR FLOW
GS PRANDTL-MYER EXPANSION
GS WEDGE FLOW

Falling Spheres
GS SYMMETRICAL BODIES
GS STREAMLINED BODIES
GS SPHERES
GS FALLING SPHERES
RT BALLS
RT DROP TOWERS
RT FREE FALL
RT GLOBULES
RT RAINROPS
RT SPHERIDS

FAN IN WING AIRCRAFT
GS FAN IN WING AIRCRAFT
GS FXS AIRCRAFT
RT AIRCRAFT
GS LIFT FANS
GS RESEARCH AIRCRAFT
GS SHORT TAKEOFF AIRCRAFT
GS TILT WING AIRCRAFT
GS V/STOL AIRCRAFT
GS VERTICAL TAKEOFF AIRCRAFT

FANLIFT DEVICES
USE LIFT FANS

= FANS
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
RT ACTUATOR DISKS
RT AIR CONDITIONING EQUIPMENT
RT AIR DUCTS
RT ANTENNA RADIATION PATTERNS
GS BLOWERS
GS COMPRESSOR ROTORS
GS COMPRESSORS
GS DUCTED FANS
GS FAN BLADES
GS PROPELLER FANS
GS TURBOPROPS
GS VENTILATION FANS
GS WIND TUNNEL DRIVES

FBM (MISSILES)
USE FLEET BALLISTIC MISSILES

FD 2 AIRCRAFT
USE FAIREY DELTA 2 AIRCRAFT
GS FAIREY AIRCRAFT
RT FD 2 AIRCRAFT
GS JET AIRCRAFT
GS MONoplanes
GS FD 2 AIRCRAFT
GS RESEARCH AIRCRAFT
GS TAILLESS AIRCRAFT
GS FD 2 AIRCRAFT
RT = AIRCRAFT
GS DELTA WINGS

FDL-5 REENTRY VEHICLE
GS LIFTING BODIES
GS LIFTING REENTRY VEHICLES
GS FDL-5 REENTRY VEHICLE
GS REENTRY VEHICLES
GS MANEUVERABLE REENTRY BODIES
GS LIFTING REENTRY VEHICLES
GS FDL-5 REENTRY VEHICLE

FEATHERING
RT PROPELLER BLADES
RT PROPELLERS

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

FEEDBACK
GS FEEDBACK
GS BIOFEEDBACK
GS DIFFERENTIAL EQUATIONS
GS FALKNER-SKAN EQUATION
GS LAMINAR FLOW
GS PRANDTL-MYER EXPANSION
GS WEDGE FLOW

FEEDBACK (CONT.)
GS ELECTROMAGNETIC INTERFERENCE
GS EMOTIONAL FACTORS
GS OSCILLATIONS
GS OSCILLATORS
GS SYSTEMS
GS TRANSFER FUNCTIONS

FEEDBACK CONTROL
GS CLOSED LOOP SYSTEMS
GS AUTOMATIC CONTROL
GS FEEDBACK CONTROL
GS CASCADE CONTROL
GS ADAPTIVE CONTROL
GS ADAPTIVE OPTICS
GS AUTOMATIC FREQUENCY CONTROL
GS AUTOMATIC GAIN CONTROL
GS AUTOMATION
GS BIOFEEDBACK
GS CONTROL
GS CONTROL EQUIPMENT
GS CONTROL SYSTEMS DESIGN
GS CONTROL THEORY
GS DISTRIBUTED FEEDBACK LASERS
GS DYNAMIC CONTROL
GS ELECTRONIC CONTROL
GS KALMAN-SCHMIDT FILTERING
GS LINEAR QUADRA TIC GAUSSIAN CONTROL
GS LINEAR QUADRATIC REGULATOR
GS MACHINE LEARNING
GS MODEL REFERENCE ADAPTIVE CONTROL
GS NEGATIVE FEEDBACK
GS NONLINEAR FEEDBACK
GS OBSERVERS
GS OBSERVABILITY (SYSTEMS)
GS OPTIMAL CONTROL
GS PROPORTIONAL CONTROL
GS ROBUSTNESS (MATHEMATICS)
GS SAMPLED DATA SYSTEMS
GS SERVOMECHANICS
GS SISO (CONTROL SYSTEMS)
GS STABILITY AUGMENTATION
GS TERMINAL CONFIGURED VEHICLE
GS TRACKING PROBLEM

FEEDING (SUPPLYING)
RT FEED SYSTEMS
GS FEEDERS
GS INJECTION
GS INPUT
GS LOADING
GS MATERIALS HANDLING

FELLOWSHIP AIRCRAFT
USE F-28 TRANSPORT AIRCRAFT

= FENCES
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
RT AIRFOIL FENCES
GS FENCES (BARRIERS)
GS TRACKING STATIONS

FERMI LIQUIDS
GS LIQUIDS
GS LIQUIDS
GS CRYOGENIC FLUIDS
GS FERMI LIQUIDS
RT CRYOGENICS

FERROFLUIDS
GS LIQUIDS
GS FERROFLUIDS
GS MAGNETIC MATERIALS
GS FERROMAGNETIC MATERIALS
GS FERROFLUIDS
GS DISPERSION
GS FLUIDS
GS MICROPARTICLES
GS SUSPENDING (MIXING)
GS SUSPENSIONS
GS WORKING FLUIDS

FFAR ROCKET VEHICLE
USE FOLDING FIN AIRCRAFT ROCKET VEHICLE

FH-1100 HELICOPTER
USE OH-5 HELICOPTER
FLIGHT OPTIMIZATION

FLIGHT HAZARDS-(CONT.)
- DESTRUCTION
- MICROBURSTS (METEOROLOGY)
- MIDAIR COLLISIONS
- NOISE (SOUND)
- OPERATIONAL HAZARDS
- TOXIC HAZARDS
- WEATHER

FLIGHT INSTRUMENTS
- GS FLIGHT INSTRUMENTS
  - APPROACH INDICATORS
  - ATTITUDE INDICATORS
  - GYRO HORIZONS
  - AUTOMATIC PILOTS
  - FLIGHT TEST INSTRUMENTS
  - HORIZON SCANNERS
  - RADIO ALTIMETERS
- RT AIR NAVIGATION
  - AIRBORNE EQUIPMENT
  - AIRCRAFT CONTROL
  - AIRCRAFT EQUIPMENT
  - AIRCRAFT INSTRUMENTS
  - ALTIMETERS
  - BUBBLE TECHNIQUE
  - COMPASSES
  - DISPLAY DEVICES
  - ENGINE CONTROL
  - ENGINE MONITORING INSTRUMENTS
  - HEAD-UP DISPLAYS
  - INSTRUMENT APPROACH
  - INSTRUMENT FLIGHT RULES
  - INSTRUMENT LANDING SYSTEMS
- INSTRUMENTS
  - LIGHT AIRBORNE MULTIPURPOSE SYSTEM
- MEASURING INSTRUMENTS
- NAVIGATION INSTRUMENTS
- NIGHT FLIGHTS (AIRCRAFT)
- ONBOARD EQUIPMENT
- POSITION INDICATORS
- RADAR
- RADIO DIRECTION FINDERS
- RATE OF CLIMB INDICATORS
- RECORDING INSTRUMENTS
- SATELLITE INSTRUMENTS
- SOLAR COMPASSES
- SPACECRAFT INSTRUMENTS
- SPACECRAFT POSITION INDICATORS
- SPEED INDICATORS
- STAR TRACKERS
- TERCOM

FLIGHT LOAD RECORDERS
- GS MEASURING INSTRUMENTS
- FLIGHT LOAD RECORDERS
- RECORDING INSTRUMENTS
- FLIGHT LOAD RECORDERS
- STRAIN GAGES

FLIGHT OPTIMIZATION
- GS FLIGHT OPTIMIZATION
  - BURNING TIME
  - EARTH-VENUS TRAJECTORIES
  - GREAT CIRCLES
  - ORBITAL MECHANICS
- ORBITS
- PARKING ORBITS
- SPACE FLIGHT
- THRUST PROGRAMMING
- TRAJECTORIES

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FLUIDS

FLUIDS (CONT.)

- FLUIDS
  - PNEUMATIC CIRCUITS
  - PNEUMATIC EQUIPMENT
  - PNEUMATICS

- FLIGHT ANALYSIS
  - STRUCTURAL ANALYSIS
    - FLIGHT ANALYSIS
      - AEROELASTIC RESEARCH WINGS
      - AERIAL OSCILLATIONS
      - UNSTEADY AERODYNAMICS

- FLUIDS
  - (USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)
    - FLUIDS
      - FLUIDIC AIRCRAFT
      - FLUIDIC AIRCRAFT ROCKETS
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GAS COOLING
SN (COOLING WITH GAS)
GS COOLING
GAS COOLING
RT COOLANTS
FREON
HEAT EXCHANGERS

GAS DENSITY
GS DENSITY (MASS/VOLUME)
GAS DENSITY
RT ATOM CONCENTRATION
BUOYANCY
CONVECTIVE FLOW
GAZEOUS DIFFUSION
IDEAL GAS
PROBABILITY DENSITY FUNCTIONS
RAREFIED GASES
REAL GASES

GAS DETECTORS
RT DETECTION
= DETECTORS
HAZE DETECTION
IDENTIFYING
INDICATING INSTRUMENTS
MONITORS
= PROBES
= SENSORS
SMOKE DETECTORS
WARNING SYSTEMS

GAS DISSIPATION
GS DISSIPATION
GAS DISSIPATION
RT THERMAL DISSIPATION

GAS DYNAMICS
GS FLUID MECHANICS
. FLUID DYNAMICS
. GAS DYNAMICS
AERODYNAMICS
. AEROTHERMODYNAMICS
. HYPERSONICS
. ROTOR AERODYNAMICS
. SUPERSONICS
UNSTEADY AERODYNAMICS
INTERACTIONAL AERODYNAMICS
RAREFIED GASES
. GAS DYNAMICS
RT DALTON LAW
. DYNAMICS
GAS PATH ANALYSIS
GASEOUS DIFFUSION
GASEOUS SELF-DIFFUSION
GASES
HYDRODYNAMIC EQUATIONS
HYDRODYNAMICS
JET MEMBRANE PROCESS
KINETICS
LORENTZ GAS
MAGNETOHYDRODYNAMICS
. MECHANICS (PHYSICS)
Molecular Gases
POLAR GASES
THERMODYNAMICS

GAS EVACUATING
USE EVACUATING (VACUUM)

GAS EXPANSION
GS EXPANSION
GAS EXPANSION
RT JOULE-THOMSON EFFECT
PRESSURE REDUCTION

GAS EXPLOSIONS
GS EXPLOSIONS
. CHEMICAL EXPLOSIONS
. GAS EXPLOSIONS
RT DETONABLE GAS MIXTURES
DETONATION WAVES
FLAME PROPAGATION
FLAMMABLE GASES
UNDERGROUND EXPLOSIONS

GAS FLOW
USE GASEOUS CAVITATION
GS FLUID FLOW
GAS FLOW
. AIR FLOW
. AIR CURRENTS
. JET STREAMS (METEOROLOGY)
. MERIDIONAL FLOW
. VERTICAL AIR CURRENTS
. CONTINUUM FLOW
### GENERAL AVIATION AIRCRAFT

**GENERAL AVIATION AIRCRAFT**
- **UF** EXECUTIVE AIRCRAFT
- **GS** GENERAL AVIATION AIRCRAFT
- **RT** AERONAUTICS
- **USE** GEOTEXTILES

**GEOMETRICAL ACOUSTICS**
- **GS** ACOUSTICS
- **RT** PHYSICS

**GEOMETRIC EQUATIONS**
- **GS** EQUATIONS
- **RT** MATHEMATICS

**GEOMETRICAL HYDRODYNAMICS**
- **GS** HYDROMAGNETICS
- **RT** PHYSICS

**GENERAL DYNAMICS AIRCRAFT**
- **GS** GENERAL DYNAMICS MILITARY AIRCRAFT
- **USE** MAGNETOHYDROMAGNETICS

**GENERAL DYNAMICS MILITARY AIRCRAFT**
- **GS** GENERAL DYNAMICS MILITARY AIRCRAFT
- **USE** GEOTECHNICAL FABRICS

**GEOTECHNICAL FABRICS**
- **GS** GEOTECHNICAL FABRICS
- **RT** MATERIALS

**GET AWAY Specials (STS)**
- **GS** PAYLOADS
- **RT** SPACELAB PAYLOADS

**GIMBADDS INERTIAL NAVIGATION**
- **GS** INERTIAL NAVIGATION
- **RT** NAVIGATION INSTRUMENTS

**GLIDE PATHS**
- **GS** GUIDE PATHS
- **RT** INSTRUMENT APPROACH

**GLIDERS (CONT.)**
- **GS** GLIDERS
- **RT** WINGED VEHICLES

**GLIDING**
- **GS** USE MAGNETOHYDROMAGNETICS
- **RT** SPACECRAFT LANDING

**GLOBAL NAVIGATION**
- **GS** NAVIGATION
- **RT** AIRCRAFT APPROACH SPACING

**GLOBAL WARMING**
- **GS** ATMOSPHERIC HEATING
- **RT** ATMOSPHERIC TEMPERATURE

**GLOBULES**
- **GS** SPHERES
- **RT** AIRCRAFT COMPARTMENTS

**GLOSTER QA-5 AIRCRAFT**
- **GS** AIRCRAFT
- **RT** BASKETS

**GONDOLAS**
- **GS** AIRCRAFT
- **RT** INTERFACIAL TENSION

**GOES**
- **GS** GEOSTATIONARY ORBIT SATELLITE
- **RT** GUIDANCE SYSTEMS

**GOVERNORS**
- **GS** GOVERNORS
- **RT** AIRCRAFT GIMBALS

**GRADES**
- **GS** GRADES
- **RT** RECOMMENDED - CONSULT THE TERMS LISTED BELOW
GROUND WIND

GROUND WIND
GS
WIND (METEOROLOGY)
RT
AIR CURRENTS
ATMOSPHERIC CIRCULATION
CYCLONES
GUST LOADS
GUSTS
MONSOONS
SQUALLS
STORMS (METEOROLOGY)
TORNADOES
WIND DIRECTION
WIND EFFECTS
WIND EROSION
WIND PRESSURE
WIND PROFILES
WIND SHEAR
WIND VELOCITY
WINDMILLS (POWERED MACHINES)
WINDPOWER UTILIZATION
WINDPOWERED MACHINES

GUIDANCE (MOTION) (CONT.)

GUIDANCE
GS
MISSILES
NAVIGATION
RT
AIR NAVIGATION
PLATFORMS
POINTER CONTROL SYSTEMS
REMOTE CONTROL
STATION KEEPING
SYSTEMS
TRAJECTORY CONTROL
VISUAL CONTROL

GUIDE VANES
GS
JET VANES
RT
JET VANE
GUIDE VANES
JET VANE
AIRFOILS
HYDROFOILS
THRUST VECTOR CONTROL

GROUND AIRGROUND COMMUNICATION
GS
COMMUNICATING
GROUND AIRGROUND COMMUNICATION
TELECOMMUNICATION
GROUND AIRGROUND COMMUNICATION
RT
AERONAUTICAL SATELLITES
AIR TRAFFIC CONTROL
COMMUNICATION
AUTOMATED EN ROUTE ATC
COMMUNICATION SATELLITES
DISCRETE ADDRESS BEACON SYSTEM
OPTICAL COMMUNICATION
RADIO COMMUNICATION
SATELLITE COMMUNICATION
SPACECRAFT COMMUNICATION
VOICE COMMUNICATION

GROUND TO AIR MUNITIONS
USE SURFACE TO AIR MUNITIONS

GRUMMAN AIRCRAFT
GS
GRUMMAN AIRCRAFT
RT
A-6 AIRCRAFT
C-1A AIRCRAFT
C-2 AIRCRAFT
E-2 AIRCRAFT
F-14 AIRCRAFT
F-111 AIRCRAFT
JETSTREAM AIRCRAFT
O-1 AIRCRAFT

GRUMMAN OV-1 AIRCRAFT
USE
O-1 AIRCRAFT

GRUMMAN OV-1C AIRCRAFT
USE
OV-1 AIRCRAFT

GYROSCOPIC DRIFT
USE
GYROSCOPES
GYROSCOPIC STABILITY

GYROSCOPIC PENETRATIONS
USE
PENDULOUS GYROSCOPES
GS
GYROSCOPIC PENETRATIONS
OSCILLATORS
MECHANICAL OSCILLATORS
PENDULUMS

GYROSCOPES
USE
GYROSCOPES

GYROSCOPIC DRIFT
USE
GYROSCOPIC DRIFT
GS
DYNAMIC CHARACTERISTICS
DYNAMIC STABILITY
MOTION STABILITY
ATTITUDE STABILITY
DIRECTIONAL STABILITY
GYROSCOPIC STABILITY
ROTARY STABILITY

GYROSCOPIC DRIFT
USE
SCHULER TUNING

GYROCOMAPSES
GS
GYROSCOPES
GYROCOMPASSES
MEASURING INSTRUMENTS
INDICATING INSTRUMENTS
ATTITUDE INDICATORS
GYRO HORIZONS
NAVIGATION AIDS
NAVIGATION INSTRUMENTS
ATTITUDE INDICATORS
GYRO HORIZONS

GYROCOMAPSES
RT
MAGNETIC COMPASS
RADIO DIRECTION FINDERS
SOLAR COMPASS

GYRODYNIE AIRCRAFT
GS
GYRODYNIE AIRCRAFT
RT
GYRODYNIE DSN-3 HELICOPTER
USE
GH-50 HELICOPTER

GYRODYNIE MILITARY AIRCRAFT
USE
GH-50 HELICOPTER

GYROPLANES
USE
HELICOPTERS

GYROSCOPES
USE
GYROSCOPES

GYROSTABILIZERS
GS
GYROSCOPES

RT
NAVIGATION AIDS
SEA KEEPING
## HELICOPTER CONTROL

<table>
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<td>RT</td>
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## HELICOPTER DESIGN

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<td>UH-60A HELICOPTER</td>
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## HELICOPTER ENGINES

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<td>RT CONVERTIBLE FAN-SHAFT ENGINES</td>
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## HELICOPTER IMPULSIVE NOISE

| USE | BLADE SLAP NOISE |

## HELICOPTER PERFORMANCE

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## HELICOPTER PROPELLER DRIVE

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<td>TILTED PROPELLERS</td>
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<tr>
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<td>VARIABLE PITCH PROPELLERS</td>
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## HELICOPTER ROTORS

| USE | ROTARY WINGS |

## HELICOPTER TAIL ROTORS

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## HELICOPTER WAKES

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## HELICOPTERS

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<td>GH-47 HELICOPTER</td>
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## HELICOPTER PERFORMANCE (CONT.)

<table>
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<tr>
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## HELICOPTER USE

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<tr>
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## HELICRATS

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## HELIPORTS

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<td>RT</td>
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## HELMHOLTZ EQUATIONS

<table>
<thead>
<tr>
<th>SN</th>
<th>(USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)</th>
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<tbody>
<tr>
<td>RT</td>
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## HELMHOLTZ VORTICITY EQUATION

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<td>HELMHOLTZ VORTICITY EQUATION</td>
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<td>EQUATIONS OF MOTION</td>
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## HERCULES AIRCRAFT

| USE | C-130 AIRCRAFT |

## HERMES MANNED SPACEPLANE

<table>
<thead>
<tr>
<th>GS</th>
<th>MANNED SPACECRAFT</th>
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<tbody>
<tr>
<td>RT</td>
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<td>REENTRY VEHICLES</td>
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<td>RECOVERABLE SPACECRAFT</td>
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<td>SPACE SHUTTLES</td>
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<td>HERMES MANNED SPACEPLANE</td>
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## HERMES SPACE PROGRAM

| RT | SPACE TRANSPORTATION SYSTEM |
|    | SPACECRAFT DESIGN |

## HFB-320 AIRCRAFT

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<tr>
<th>USE</th>
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### High Altitude Research

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<td>HH-43 HELICOPTER</td>
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<tr>
<td>HHX HELICOPTER</td>
<td>H-53 HELICOPTER</td>
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### High Altitude Measurement

- **High Altitude Targets and Background Material**
  - **GS**
  - **RT**
  - **UF**
  - **HHX**

### High Altitude Alloys

- **GS**
  - **RT**
  - **UF**

### High Temperature Tests

- **GS**
- **RT**
- **UF**

### High Energy Fuels

- **SN** (Heat content greater than or equal to approximately 25,000 BTU/lb)
- **UF** (High Energy Fuels)
- **GS** (Chemical Fuels)
- **RT** (Additives)

### High Energy Propellant

- **GS**
  - **RT**
  - **UF**

### High Pressure

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

### High Reynolds Number

- **SN** (Pin above 3,000)
- **GS**
- **RT**

### High Speed

- **GS**
- **RT**
- **UF**

### High Speed Photography

- **GS**

---

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HYDRAULIC TEST TUNNELS-(CONT.)
GS TEST FACILITIES
HYDRAULIC TEST TUNNELS
RT TUNNELS

HYDRAULIC VALVES
USE HYDRAULIC EQUIPMENT
VALVES

= HYDRAULICS
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
RT FLUID DYNAMICS
FLOW DYNAMICS
FLOW MECHANICS
FLUID MECHANICS
FLUID POWER
HYDRAULIC CONTROL
HYDRAULIC EQUIPMENT
HYDRAULIC FLUIDS
HYDRAULIC PRESSURE
HYDRAULIC RAM EFFECT
HYDRAULIC DYNAMICS
HYDROLOGY
HYDROMECHANICS
HYDROSTATICS
IMPEDANCE
INFLUENCE COEFFICIENT
LIMNOLOGY
= = MECHANICS (PHYSICS)
PIPES (TUBES)
PNEUMATICS
PRESSURE HEADS
THERMOHYDRAULICS
WATER
WATER DYNAMICS
WATER FLOW
WATER PRESSURE

HYDROAEROMECHANICS
USE AERODYNAMICS

HYDROBALLISTICS
GS BALLISTICS
HYDROBALLISTICS
RT BALLISTIC RANGES
HYDRODYNAMICS
TORPEDOES
UNDERWATER EXPLOSIONS
UNDERWATER TRAJECTORIES

HYDROCARBON COMBUSTION
GS COMBUSTION
HYDROCARBON COMBUSTION
RT EXPLOSIONS
FUEL COMBUSTION
OXIDATION
PROPellant COMBUSTION
SMOG

HYDRODYNAMIC COEFFICIENTS
RT COMPUTATIONAL FLUID DYNAMICS
= DRAG COEFFICIENTS
FLOW DISTRIBUTION
FLOW VELOCITY
LIQUID FLOW
SEA ROUGHNESS
SHIP HULLS
STEADY FLOW
UNSTEADY FLOW
WATER WAVES

HYDRODYNAMIC EQUATIONS
GS EQUATIONS OF MOTION
= KINETIC EQUATIONS
HYDRODYNAMIC EQUATIONS
= HELMHOLTZ VORTICITY EQUATION
RT BOLTZMANN TRANSPORT EQUATION
= EQUATIONS
FLOW STABILITY
FLOW THEORY
FLOW MECHANICS
GAS DYNAMICS
HYDRODYNAMICS
HYDROMECHANICS
METEOROLOGY
PLASMA DYNAMICS

HYDRODYNAMIC STABILITY
USE FLOW STABILITY

HYDRODYNAMIC TUNNELS
USE PLASMA JET WIND TUNNELS

HYDRODYNAMICS
GS FLUID MECHANICS
= FLUID DYNAMICS

HYDRODYNAMICS-(CONT.)
= HYDRODYNAMICS
= ELASTOHYDRODYNAMICS
= ELECTROHYDRODYNAMICS
= MAGNETOHYDRODYNAMICS
HYDROMECHANICS
= HYDRODYNAMICS
= ELASTOHYDRODYNAMICS
= ELECTROHYDRODYNAMICS
= MAGNETOHYDRODYNAMICS
HYDROGEN FUELS-(CONT.)
  Gelled Propellants
  Hydrocarbon Fuel Production
  Hydrocarbon Fuels
  Hydrogen-Based Energy
  Liquid Hydrogen
  Liquid Rocket Propellants
  Ramjet Engines
  Slush Hydrogen

HYDROGEN SULFIDE
  GS Halogenides
    Sulfides
    Inorganic Sulfides
    Hydrogen Sulfide
    Hydrogen Compounds
    Hydrogen Sulfide
    Sulfur Compounds
    Sulfides
    Inorganic Sulfides
    Hydrogen Sulfide

HYDROGEN-BASED ENERGY
  RT = Energy
    Energy Technology
    Fuel Cells
    Gas Mixtures
    Hydrocarbon Fuels
    Hydrogen Fuels
    Hydrogen Production
    Liquid Hydrogen
    Nickel Hydrogen Batteries

HYDROGEOLOGY
  GS Geology
    Hydrogeology
    Hydrology
    Aquifers
    Core Sampling
    Erosion
    Flood Plains
    Flood Predictions
    Geysers
    Glaciology
    Hydrology Models
    Hydrostatics
    Science
    Soil Erosion
    Stratigraphy
    Watersheds

HYDROKINETICS
  USE Hydrodynamics

HYDROMAGNETIC FLOW
  USE Magnetohydrodynamic Flow

HYDROMAGNETIC STABILITY
  USE Magnetohydrodynamic Stability

HYDROMAGNETIC WAVES
  USE Magnetohydrodynamic Waves

HYDROMAGNETICS
  USE Magnetohydrodynamics

HYDROMAGNETISM
  USE Magnetohydrodynamics

HYDROMECHANICS
  USE Hydrodynamics

HYDROPLANES (SURFACES)
  UF Hydroskis
  RT Hydrofoils
  Hydroplaning
  Ski Systems

HYDROPLANES (VEHICLES)
  RT Hydrofoil Craft
  Hydroplaning = Vehicles

HYDROPLANNING
  RT Hydrofoils
  Hydroplanes (Surfaces)
  Hydroplanes (Vehicles)
  Ski Landings
  Skiding
  Water Landing

HYDROSKIS
  USE Hydroplanes (Surfaces)

HYDROSPINNING
  GS Forming Techniques
    Metal Spinning
    Hydrospinning
    Metal Working
    Metal Spinning
    Hydrospinning
    Spin
    Metal Spinning
    Hydrospinning

HYDROSTATIC PRESSURE
  GS Pressure
    Static Pressure
    Hydrostatic Pressure
    Center of Pressure
    Elevation
    Head (fluid mechanics)
    Hydrostatics
    Isostatic Pressure
    Pressure Dependence
    Pressure Heads
    Transition Pressure
    Water Pressure

HYDROTHERMAL STRESS ANALYSIS
  RT Hydrothermal Systems
    Hygral Properties
    Hygroscopicity
    Moisture Content
    Moisture Resistance

HYDROMETERS
  GS Measuring Instruments
    Moisture Meters
    Hydrometers
    Psychrometers
  RT Chemical Analysis
    Dew Point
    Humidity
    Humidity Measurement
    Meteorological Instruments

HYDROPLANES (VEHICLES)
  RT Hydrofoil Craft
  Hydroplaning = Vehicles

HYDROTHERMAL NAVIGATION (CONT.)
  RT Air Navigation
    Inertial Navigation
    Surface Navigation

HYDROTHERMAL ENTRY
  GS Atmospheric Entry
    Reentry
    Inertial Entry
    Trajectories

HYPERSONIC FLIGHT
  RT Aerodynamics
    Flight
    Hypersonics
    Missiles
    Rocket Flight
    Supersonic Flight
    Waferiders

HYPERSONIC FLOW
  GS Fluid Flow
    Hydrodynamic Flow

HYPERSONIC FORCES
  GS Aerodynamics
    Hypersonic Forces
    Hyperbolic Forces
    Aerodynamic Drag
    Hypersonics
    Lift

HYPERSONIC NAVIGATION
  GS Navigation
    Radio Navigation
    Inertial Navigation
    Decca Navigation
    Loran Navigation System
    Loral

HYPERSONIC REENTRY
  GS Atmospheric Entry
    Reentry
    Hyperbolic Reentry
    Trajectories

HYPERSONIC SYSTEMS
  USE Inertial Systems
  USE Surface Navigation

HYDROKINETICS
  USE Hydrodynamics

HYDROPLANES (SURFACES)
  UF Hydroskis
  RT Hydrofoils
  Hydroplaning
  Ski Systems

HYDROPLANING
  RT Hydrofoils
  Hydroplanes (Surfaces)
  Hydroplanes (Vehicles)
  Ski Landings
  Skiding
  Water Landing

HYDROSKIS
  USE Hydroplanes (Surfaces)

HYDROSPINNING
  GS Forming Techniques
    Metal Spinning
    Hydrospinning
    Metal Working
    Metal Spinning
    Hydrospinning
    Spin
    Metal Spinning
    Hydrospinning

HYDROSTATIC PRESSURE
  GS Pressure
    Static Pressure
    Hydrostatic Pressure
    Center of Pressure
    Elevation
    Head (fluid mechanics)
    Hydrostatics
    Isostatic Pressure
    Pressure Dependence
    Pressure Heads
    Transition Pressure
    Water Pressure

HYDROTHERMAL STRESS ANALYSIS
  RT Hydrothermal Systems
    Hygral Properties
    Hygroscopicity
    Moisture Content
    Moisture Resistance

HYDROMETERS
  GS Measuring Instruments
    Moisture Meters
    Hydrometers
    Psychrometers
  RT Chemical Analysis
    Dew Point
    Humidity
    Humidity Measurement
    Meteorological Instruments

HYDROPLANES (VEHICLES)
  RT Hydrofoil Craft
  Hydroplaning = Vehicles

HYDROTHERMAL NAVIGATION (CONT.)
  RT Air Navigation
    Inertial Navigation
    Surface Navigation

HYDROTHERMAL ENTRY
  GS Atmospheric Entry
    Reentry
    Hyperbolic Entry
    Trajectories

HYPERSONIC FLIGHT
  RT Aerodynamics
    Flight
    Hypersonics
    Missiles
    Rocket Flight
    Supersonic Flight
    Waferiders

HYPERSONIC FLOW
  GS Fluid Flow
    Hydrodynamic Flow

HYPERSONIC FORCES
  GS Aerodynamics
    Hypersonic Forces
    Hyperbolic Forces
    Aerodynamic Drag
    Hypersonics
    Lift

HYPERSONIC NAVIGATION
  GS Navigation
    Radio Navigation
    Inertial Navigation
    Decca Navigation
    Loran Navigation System
    Loral

HYDROTHERMAL NAVIGATION (CONT.)
  RT Air Navigation
    Inertial Navigation
    Surface Navigation

HYDROTHERMAL ENTRY
  GS Atmospheric Entry
    Reentry
    Hyperbolic Entry
    Trajectories

HYPERSONIC FLIGHT
  RT Aerodynamics
    Flight
    Hypersonics
    Missiles
    Rocket Flight
    Supersonic Flight
    Waferiders

HYPERSONIC FLOW
  GS Fluid Flow
    Hydrodynamic Flow

HYPERSONIC FORCES
  GS Aerodynamics
    Hypersonic Forces
    Hyperbolic Forces
    Aerodynamic Drag
    Hypersonics
    Lift

HYPERSONIC NAVIGATION
  GS Navigation
    Radio Navigation
    Inertial Navigation
    Decca Navigation
    Loran Navigation System
    Loral

HYDROTHERMAL NAVIGATION (CONT.)
  RT Air Navigation
    Inertial Navigation
    Surface Navigation

HYDROTHERMAL ENTRY
  GS Atmospheric Entry
    Reentry
    Hyperbolic Entry
    Trajectories

HYPERSONIC FLIGHT
  RT Aerodynamics
    Flight
    Hypersonics
    Missiles
    Rocket Flight
    Supersonic Flight
    Waferiders

HYPERSONIC FLOW
  GS Fluid Flow
    Hydrodynamic Flow

HYPERSONIC FORCES
  GS Aerodynamics
    Hypersonic Forces
    Hyperbolic Forces
    Aerodynamic Drag
    Hypersonics
    Lift

HYPERSONIC NAVIGATION
  GS Navigation
    Radio Navigation
    Inertial Navigation
    Decca Navigation
    Loran Navigation System
    Loral

91
**IGNITION** (CONT.)

**RT**
- Spark Ignition
- Combustion Ignition
- Combustion Physics
- Ignition

**GS**
- Flame Retardants
- Flammability
- Fuel-air Ratio
- Gas Mixtures

**IMPRESSION**

**RT**
- Combustion
- Electron Impedance
- Electric Ignition
- Engines
- Ignition
- Internal Combustion Engines
- Rocket Engines
- Spark Plugs
- Squibs
- Starters

**GS**
- Systematic Impression

**IL-14 AIRCRAFT**

**RT**
- Ilyushin Il-14 Aircraft
- Ilyushin IL-14 Aircraft
- IL-14 Aircraft
- Transport Aircraft
- IL-14 Aircraft

**GS**
- Ilyushin Aircraft
- Ilyushin Il-14 Aircraft
- Ilyushin Aircraft
- Ilyushin IL-14 Aircraft
- Ilyushin IL-14 Aircraft
- Ilyushin IL-14 Aircraft

**IL-62 AIRCRAFT**

**RT**
- Ilyushin IL-62 Aircraft
- Ilyushin IL-62 Aircraft
- IL-62 Aircraft
- Jet Aircraft
- Turbofan Aircraft

**GS**
- Ilyushin Aircraft
- Ilyushin IL-62 Aircraft
- Ilyushin Aircraft
- Ilyushin IL-62 Aircraft
- Ilyushin IL-62 Aircraft

**ILS** (LANDING SYSTEMS)

**USE**
- Instrument Landing Systems

**ILYUSHIN AIRCRAFT**

**RT**
- Ilyushin Aircraft
- Ilyushin IL-14 Aircraft
- Ilyushin IL-62 Aircraft

**GS**
- Ilyushin Aircraft
- Ilyushin IL-14 Aircraft
- Ilyushin IL-62 Aircraft

**IMAGING TECHNIQUES**

**RT**
- Raster Scanning
- Spectral Holography
- Acoustic Microscopes
- Acoustical Holography
- Adaptive Optics
- Charge Injection Devices
- Crop Identification
- Gray Scale
- High Definition Television
- Holography
- Image Correlators
- Image Enhancement
- Image Filters
- Image Intensifiers
- Image Motion Compensation
- Image Processing
- Image Reconstruction
- Image Rotation
- Image Transducers
- Image Velocity Sensors
- Imaging Spectrometers

**GS**
- Methodology
- Microwave Holography
- Modulation Transfer Function
- Multi Sensor Applications
- Multispectral Band Scanners
- Multispectral Photography
- Multispectral Radar
- Optical Relay Systems
- Optical Transfer Function
- Pixels
- Principal Components Analysis
- Radar Imaging
- Rapid Ballistics
- Identification
- Resolution Cell
- Satellite Imaging
- Scene Analysis
- Spatial Resolution
- Streak Photography
- Synthetic Apertures
- Television Systems
- Ultrasonic Scanners
- Vegetative Index
- X Ray Imaging

**IMMERSION TO SUBMERGING**

**IMPACT**

**GS**
- Impact
- Economic Impact
- Electron Impact
- Hypervelocity Impact
- Ion Impact
- Point Impact
- Proton Impact

**RT**
- Deceleration
- Hydrodynamic Ram Effect
- Impingement
- Mechanical Shock
- Penetration
- Pressure
- Shock Absorbers
- Shock Resistance
- Shock Waves
- Stresses

**IMPACT ACCELERATION**

**GS**
- Impact Acceleration
- Rates (Time)
- Acceleration (Physics)

**RT**
- Acceleration
- Deceleration
- Mechanical Shock
- Physiological Acceleration
- Railroad Humping Tests
- Shock Absorbers

**IMPACT DECELERATION**

**GS**
- Impact Deceleration
- Impact Acceleration

**RT**
- Drop Tests
- Fatigue Tests
- Machinery Tests
- Test Equipment

**IMPEDANCE**

**RT**
- Electrical Impedance
- Electrical Measurement
- Mechanical Impedance
- Mismatch (Electrical)
- Radio Frequency Impedance

**GS**
- Measuring Instruments
- Impedance Probes
- Radio Frequency Impedance Probes

**IMPEDANCE MEASUREMENT**

**RT**
- Electrical Impedance
- Electrical Measurement
- Mechanical Impedance
- Mismatch (Electrical)
- Radio Frequency Impedance

**GS**
- Measuring Instruments
- Impedance Probes
- Radio Frequency Impedance Probes

**IMPEDANCE PROBES**

**RT**
- Resonance Probes

**IMPELLERS**

**GS**
- Rotating Bodies
- Rotors
- Impellers
- Pump Impellers

**RT**
- Blowers
- Centrifugal Compressors
- Centrifugal Pumps
- Compressor Rotors
- Pumps
- Rotor Blades (Turbomachinery)
- Stators
- Turbine Wheels
- Turbines
- Turbomachine Blades

**IMPINGEMENT**

**GS**
- Impingement
- Jet Impingement

**RT**
- Ablation
- Attenuation
- Cavitation Flow
- Corrosion
- Erosion
- Gas-Solid Interactions

**IMPRESSION**

**GS**
- Impression
- Jet Impingement

**RT**
- Ablation
- Attenuation
- Cavitation Flow
- Corrosion
- Erosion
- Gas-Solid Interactions

**IMPACT TESTS**

**RT**
- Charpy Impact Test
- Compression Tests
- Destructive Tests
- Drop Tests
- Fatigue Tests
- Hardness Tests
- Impactors
- Load Tests
- Materials Tests
- Notch Sensitivity
- Notch Strength
- Notch Tests
- Shock Tests
- Strain Rate
- Stress Concentration
- Tests
- Toughness

**IMPEDANCE**

**GS**
- Acoustic Impedance
- Electrical Impedance
- Mechanical Impedance
- Respiratory Impedance

**RT**
- Attenuation Coefficients
- Bandwidth
- Chokes (Restrictions)
- Conductivity
- Constructions
- Damping
- Diffusivity
- Dynamic Characteristics
- Dynamic Response
- Electric Coils
- Electrical Properties
- Hydraulics
- Mechanical Properties
- Physical Properties
- Resistance
- Resonant Frequencies
- Smith Chart
- Time Constant
- Transparent Response

**IMPEDANCE MEASUREMENT**

**RT**
- Electrical Impedance
- Electrical Measurement
- Mechanical Impedance
- Mismatch (Electrical)
- Radio Frequency Impedance

**GS**
- Measuring Instruments
- Impedance Probes
- Radio Frequency Impedance Probes

**IMPEDANCE PROBES**

**RT**
- Resonance Probes

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- Turbines
- Turbomachine Blades

**IMPINGEMENT**

**GS**
- Impingement
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- Corrosion
- Erosion
- Gas-Solid Interactions

**IMPACT TESTS**

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- Destructive Tests
- Drop Tests
- Fatigue Tests
- Hardness Tests
- Impactors
- Load Tests
- Materials Tests
- Notch Sensitivity
- Notch Strength
- Notch Tests
- Shock Tests
- Strain Rate
- Stress Concentration
- Tests
- Toughness
J-57 ENGINE - (CONT.)

UF ENGINES

J-57-T-25 ENGINE

RT AFTERBURNING

J-57 ENGINE

GS ENGINES

JET ENGINES

TURBOJET ENGINES

INTERNAL COMBUSTION ENGINES

GAS TURBINE ENGINES

JET ENGINES

TURBOJET ENGINES

RT AIRCRAFT

J-57 ENGINE

JET ENGINES

TURBOJET ENGINES

GAS TURBINE ENGINES

INTERNAL COMBUSTION ENGINES

RT AFTERBURNING

J-57-P-20 ENGINE

GS ENGINES

JET ENGINES

TURBOJET ENGINES

INTERNAL COMBUSTION ENGINES

GAS TURBINE ENGINES

JET ENGINES

TURBOJET ENGINES

RT AFTERBURNING

J-58 ENGINE

GS AIRCRAFT ENGINES

J-58 ENGINE

J-65 ENGINE

GS ENGINES

JET ENGINES

TURBOJET ENGINES

INTERNAL COMBUSTION ENGINES

GAS TURBINE ENGINES

JET ENGINES

TURBOJET ENGINES

J-65 ENGINE

J-69-T-25 ENGINE

GS ENGINES

JET ENGINES

TURBOJET ENGINES

INTERNAL COMBUSTION ENGINES

GAS TURBINE ENGINES

JET ENGINES

TURBOJET ENGINES

J-69-T-25 ENGINE

J-71 ENGINE

GS ENGINES

JET ENGINES

TURBOJET ENGINES

INTERNAL COMBUSTION ENGINES

GAS TURBINE ENGINES

JET ENGINES

TURBOJET ENGINES

J-71 ENGINE

J-73 ENGINE

UF

J-73 ENGINE

J-83 ENGINES

GS ENGINES

JET ENGINES

TURBOJET ENGINES

INTERNAL COMBUSTION ENGINES

GAS TURBINE ENGINES

JET ENGINES

TURBOJET ENGINES

J-83 ENGINE

J-93 ENGINE - (CONT.)

GS ENGINES

JET ENGINES

TURBOJET ENGINES

INTERNAL COMBUSTION ENGINES

GAS TURBINE ENGINES

JET ENGINES

TURBOJET ENGINES

J-93 ENGINE

J-97 ENGINE

GS AIRCRAFT ENGINES

J-97 ENGINE

GAS TURBINE ENGINES

JET ENGINES

TURBOJET ENGINES

J-97 ENGINE

GS ENGINES

JET ENGINES

TURBOJET ENGINES

INTERNAL COMBUSTION ENGINES

GAS TURBINE ENGINES

JET ENGINES

TURBOJET ENGINES

J-97 ENGINE

JABIRU ROCKET VEHICLE

USE JAGUAR ROCKET VEHICLE

JACKETS

SN (EXCLUDES CLOTHING)

RT ASSORTMENTS (MATERIALS)

Casing

Cooling

Coverings

Heating

Insulation

Lining

Sleeves

JACKS

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

RT ELECTRIC CONNECTORS

Elevators (LIFTS)

JACKS (LIFTS)

JAGUAR AIRCRAFT

GS ATTACK AIRCRAFT

FIGHTER AIRCRAFT

JAGUAR AIRCRAFT

SINGLE ENGINE AIRCRAFT

JAGUAR AIRCRAFT

SUPERSONIC AIRCRAFT

JAGUAR AIRCRAFT

TRAINING AIRCRAFT

JAGUAR AIRCRAFT

Vehicles

BREGUET AIRCRAFT

MILITARY AIRCRAFT

JAGUAR ROCKET VEHICLE

JABIRU ROCKET VEHICLE

MULTISTAGE ROCKET VEHICLES

JAGUAR ROCKET VEHICLE

JAGUAR ROCKET VEHICLE

SOUNDING ROCKET VEHICLES

JAGUAR ROCKET VEHICLE

RT SOLID PROPELLANT ROCKET ENGINES

JANUS SPACECRAFT

GS GUIDERS

JANUS SPACECRAFT

LIFTING BOODY

LIFTING REENTRY VEHICLES

JANUS SPACECRAFT

MANEUVERABLE SPACECRAFT

JANUS SPACECRAFT

MANNED SPACECRAFT

JANUS SPACECRAFT

REENTRY VEHICLES

MANEUVERABLE REENTRY BODIES

LIFTING REENTRY VEHICLES

JANUS SPACECRAFT

SOFT LANDING SPACECRAFT

JANUS SPACECRAFT

JATO ENGINES

UF JET ASSISTED TAKEOFF
JET LAG

JET LAG
GS BIOLOGICAL EFFECTS
RT DISORIENTATION
JET LAG
GS PSYCHOLOGICAL EFFECTS
JET LAG
RT DESYNCHRONIZATION (BIOLGY)
FLOW STRESS (BIOLOGY)
RHYTHM (BIOLOGY)
SUPERSONIC FLIGHT

JET LIFT
GS AERO DYNAMIC CHARACTERISTICS
RT LIFT
JET LIFT
GS AERO DYNAMIC FORCES
RT LIFT
JET LIFT
GS DYNAMIC CHARACTERISTICS
RT LIFT
JET LIFT
RT DISTRIBUTION (PROPERTY)

JET MIXING FLOW
GS FLUID FLOW
RT JET MIXING FLOW
JET MIXING FLOW
GS FREE BOUNDARIES
RT FUEL INJECTION
JET MIXING FLOW
GS INJECTORS
RT JETS
JET MIXING FLOW
GS MIXING LAYERS (FLUIDS)
RT PREMIXING
JET MIXING FLOW
GS TWO DIMENSIONAL JETS
RT JET JETS

JET NOISE
USE JET AIRCRAFT NOISE

JET NOZZLES
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
RT AIR JETS
JET NOZZLES
GS FREE JETS
RT GAS JETS
JET NOZZLES
GS INJECTORS
RT JET INJECTORS
JET NOZZLES
GS JET AIRCRAFT
RT JET AIRCRAFT
JET NOZZLES
GS JET FLOW
RT JET FLOW
JET NOZZLES
GS JET MIXING FLOW
RT JET MIXING FLOW
JET NOZZLES
GS JET PUMPS
RT JET PUMPS
JET NOZZLES
GS PLASMA JETS
RT PLASMA JETS
JET NOZZLES
GS SPRAYERS
RT SPRAYERS
JET NOZZLES
GS TURBULENT JETS
RT TURBULENT JETS
JET NOZZLES
GS TWO DIMENSIONAL JETS
RT WALL JETS

JET PROVOST AIRCRAFT
GS ATTACH AIRCRAFT
RT ATTACH AIRCRAFT
JET PROVOST AIRCRAFT
GS BAC AIRCRAFT
RT BAC AIRCRAFT
JET PROVOST AIRCRAFT
GS JET PROVOST AIRCRAFT
RT JET PROVOST AIRCRAFT
JET PROVOST AIRCRAFT
GS JET AIRCRAFT
RT JET AIRCRAFT
JET PROVOST AIRCRAFT
GS JET PROVOST AIRCRAFT MONOPLANE
RT JET PROVOST AIRCRAFT MONOPLANE
JET PROVOST AIRCRAFT
GS SINGLE ENGINE AIRCRAFT
RT SINGLE ENGINE AIRCRAFT
JET PROVOST AIRCRAFT
GS TRAINING AIRCRAFT
RT TRAINING AIRCRAFT
JET PROVOST AIRCRAFT
RT AIRCRAFT

JET PUMPS
SN (EXCLUDES DEVICES USING A LIQUID OR GAS TO INDUCE MOVEMENT OF A GAS SUCH AS AIR EJECTORS)
GS PUMPS
RT EJECTORS
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<th>Layer Types</th>
<th>Notions</th>
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<tr>
<td>Launching Devices</td>
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<td>Laval Number</td>
<td>GS Rations</td>
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<td>Leading Edge Flaps</td>
<td>GS Airfoils</td>
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<td>Leading Edge Flaps (cont.)</td>
<td>RT Aircraft Structures</td>
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LEADENFROST PHENOMENON (cont.)

- Vapozizing
- Boiling
- Nuclear Boiling
- LEADENFROST PHENOMENON

LENNARD-JONES GAS

- Binary Fluids
- Gas viscosity
- LENNARD-JONES POTENTIAL

LENNARD-JONES POTENTIAL

- Computed Simulation
- Intermolecular forces
- LENNARD-JONES GAS
- Molecular Interactions
- POTENTIAL THEORY

LENTICULAR BODIES

- Symmetrical Bodies
- LENTICULAR BODIES
- . . . SYMMETRICAL BODIES
- . . . CONVEXITY

LEVITATION

- Levitation
- Acoustic Levitation
- . . . BUOICANCY
- . . . Electrostatic Gyroscopes
- . . . FLATATION
- . . . FLOW MIGRATION
- . . . LEVITATION MELTING
- . . . Magnetic Bearings
- . . . Magnetic Levitation Vehicles
- . . . Suspension Systems (vehicles)
- . . . Vacuum Melting

LEWIS NUMBERS

- GS Rations
- . . . Dimensionless Numbers
- . . . LEWIS NUMBERS
- . . . RT Density (Mass/Volume)
- . . . Diffusion Coefficient
- . . . Fluid Flow
- . . . Heat Transfer
- . . . Mass Flow
- . . . Mass Transfer
- . . . Specific Heat
- . . . Thermal Conductivity

LIFE RAFTS

- GS Rafts
- . . . Life Rafts
- . . . FLATOS
- . . . Inflatable Structures
- . . . Lifeboats

LIFT

- UF Aerodynamic Lift
- . . . Lift Coefficients
- . . . Lift Distribution
- . . . Lift Forces
- . . . VARIABLE LIFT
- . . . gs Aerodynamic Characteristics
- . . . LIFT
- . . . INTERFERENCE LIFT
- . . . . . . Jet Lift
- . . . . . . Rotor Lift
- . . . . . . Zero Lift
- . . . . . . AERODYNAMIC FORCES
- . . . . . . LIFT
- . . . . . . INTERFERENCE LIFT
- . . . . . . Jet Lift
- . . . . . . Rotor Lift
- . . . . . . Zero Lift
- . . . . . . DYNAMIC CHARACTERISTICS
- . . . . . . . . Jet Lift
- . . . . . . . . Rotor Lift
- . . . . . . . . ZERO LIFT

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LINEAR QUADRATIC REGULATOR-(CONT.)

LINEAR QUADRATIC REGULATOR

QUADRATIC GAUSSIAN

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UF

LATE (ENGINE)

GS

ENGINES

ROCKET ENGINES

LIQUID PROPELLANT ROCKET ENGINES

LIQUID AIR CYCLE ENGINES

RT

AEROSPACE PLANES

HYDROGEN OXYGEN ENGINES

SUSTAINER ROCKET ENGINES

TURBOREACTOR ENGINES

LIQUID BREATHING

GS

BREATHING

RT

ACCLIMATION

RESUSCITATION

LIQUID COOLING

SN

(COOLING WITH LIQUIDS)

UF

WATER COOLING

GS

COOLING

LIQUID

LIQUID WATER COOLING

LIQUID COOLING

GS

CABIN COOLING (CONT.)

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LIQUID FILLED SHELLS

RT

HYDRODYNAMIC RAM EFFECT

PROPPELLANT TANKS

REINFORCED SHELLS

SHELL STABILITY

STORAGE TANKS (CONTAINERS)

VESSELS

LIQUID DROPS

USE

DROPS (LIQUIDS)

LIQUID FILLED SHELLS

GS

SHELLS (STRUCTURAL FORMS)

LIQUID FILLED SHELLS

LIQUID FILLED SHELLS

RT

HYDRODYNAMIC RAM EFFECT

PROPPELLANT TANKS

REINFORCED SHELLS

SHELL STABILITY

STORAGE TANKS (CONTAINERS)

VESSELS

LIQUID FLOW

GS

FLOW

LIQUID FLOW

OPEN CHANNEL FLOW

WATER FLOW

RT

CRITICAL FLOW

GAS FLOW

HEAD (FLUID MECHANICS)

HEAD FLOW

HYDRODYNAMIC COEFFICIENTS

LAMINAR FLOW

MASS FLOW

MULTIPHASE FLOW

NONNEWTONIAN FLOW

ORIFICE FLOW

PIPE FLOW

PRESSURE GRADIENTS

PRESSURE HEADS

RHEOLOGY

SINGLE PHASE FLOW

Soret COEFFICIENT

STEADY FLOW

SUBCRITICAL FLOW

SUPERCRITICAL FLOW

TURBULENT FLOW

TWO PHASE FLOW

UNIFORM FLOW

UNSTEADY FLOW

LIQUID HELIUM 2

GS

CHEMICAL ELEMENTS

RARE GASES

HELIUM

LIQUID HELIUM

LIQUID HELIUM 2

GASES

LIQUID GASES

LIQUID HELIUM

LIQUID HELIUM 2
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RT DIESEL ENGINES
HANDLING EQUIPMENT
RAIL TRANSPORTATION
WINDSHIELDS
LOH HELICOPTER
USE OH-6 HELICOPTER
LOKI ROCKET VEHICLE
GS ROCKET VEHICLES
• SINGLE STAGE ROCKET VEHICLES
• LOKI ROCKET VEHICLE
• SOUNDING ROCKETS
• LOKI ROCKET VEHICLE
RT SOLID PROPELLANT ROCKET ENGINES
WASP SOUNDING ROCKET
LONG RANGE NAVIGATION
USE LORAN
• LONGRANGE NAVIGATION SYSTEM
• LORAN D
LONGERONS
UF ASTROMASTS
GS STRUCTURAL MEMBERS
RT KEELS
REINFORCEMENT (STRUCTURES)
• RIBS (SUPPORTS)
• STRAKES
• STRINGERS
• STRUCTURAL STABILITY
LONGITUDE
GS LONGITUDE
• SOLAR LONGITUDE
• GEODETIC LONGITUDE
• LATITUDE
• POSITION (LOCATION)
RT AIR NAVIGATION
• NAVIGATION AIDS
• DISTANCE MEASURING EQUIPMENT
LONGITUDINAL CONTROL
UF PITCH ATTITUDE CONTROL
GS ATTITUDE CONTROL
• LONGITUDINAL CONTROL
RT AIRCRAFT CONTROL
• AUTOMATIC CONTROL
• CONTROL
• DIRECTIONAL CONTROL
• HELICOPTER CONTROL
• LATERAL CONTROL
• MANUAL CONTROL
• MISSILE CONTROL
• PILOT-INDUCED OSCILLATION
• PITCH (INCLINATION)
• SATTELITE ATTITUDE CONTROL
• SATTELITE CONTROL
LONGITUDINAL STABILITY
GS • DYNAMIC CHARACTERISTICS
• DYNAMIC STABILITY
• MOTION STABILITY
• ATTITUDE STABILITY
• LONGITUDINAL STABILITY
• STABILITY
• DYNAMIC STABILITY
• MOTION STABILITY
• ATTITUDE STABILITY
• LONGITUDINAL STABILITY
RT • AERODYNAMIC STABILITY
• AIRCRAFT STABILITY
• DIRECTIONAL STABILITY
• FLOW STABILITY
• HOVERING STABILITY
• LATERAL STABILITY
• PITCH (INCLINATION)
• PITCHING MOMENTS
• POKE EFFECTS
• ROTARY STABILITY
• SPACECRAFT STABILITY
LONGITUDINAL WAVES
GS • LONGITUDINAL WAVES
• ELASTIC WAVES
• WAVELENGTH
• WAVES
LOW ALTITUDE
GS • LOW ALTITUDE
• LOW ALTITUDE
RT • ELEVATION
• LOWER ATMOSPHERE
LOW OBSERVABLE REENTRY VEHICLES
GS • LOW OBSERVABLE REENTRY VEHICLES
SN • USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW
LOUGERS
RT • APERTURES
• BAFFLES
• DIFFUSERS
• SCREENING
• SHADES
• SHIELDING
• SHUTTERS
• SLOTS
• VENTS
LONGITUDINAL WAVES
GS • LONGITUDINAL WAVES
• BEAMS (RADIATION)
• DILATATIONAL WAVES
• ELASTIC WAVES
• ELECTROSTATIC WAVES
• FREQUENCIES
• NORMAL SHOCK WAVES
• RADIATION
• SEISMIC WAVES
• SHOCK WAVES
• SOLAR RADIATION
• SOUND WAVES
• TRANSVERSE WAVES
• WAVE PACKETS
• WAVELenghts
LORAN
GS • NAVIGATION
• RADIO NAVIGATION
• HYPERBOLIC NAVIGATION
• LORAN
• LORAN C
• LORAN D
RT • AIR NAVIGATION
• DECCA NAVIGATION
• DISTANCE MEASURING EQUIPMENT
• NAVIGATION AIDS
• NAVIGATION INSTRUMENTS
• SURFACE NAVIGATION
• SURVEYS
LORAN C
GS • NAVIGATION
• RADIO NAVIGATION
• HYPERBOLIC NAVIGATION
• LORAN
• LORAN C
• LORAN D
RT • AIR NAVIGATION
• DECCA NAVIGATION
• NAVIGATION AIDS
LORAN D
GS • NAVIGATION
• RADIO NAVIGATION
• HYPERBOLIC NAVIGATION
• LORAN
• LORAN D
RT • AIR NAVIGATION
• DECCA NAVIGATION
• NAVIGATION AIDS
LOW ALTITUDE
GS • LOW ALTITUDE
• LOW ALTITUDE
RT • ELEVATION
• LOWER ATMOSPHERE
LOKING WAVEs
GS • LOADING WAVES
• LOAD RATE
• LOCALIZATION
• LOADING RATE
• LOCKS
• LOCKS (CONT.)
• LOCKING WAVEs
• LOCKHEED CL-595 HELICOPTER
• LOCKHEED C-5 AIRCRAFT
• LOCKHEED AIRCRAFT
• LOCKHEED XV-4A AIRCRAFT
• LOCKHEED U-2 AIRCRAFT
• LOCKHEED MODEL 18 AIRCRAFT
• LOCKHEED L-2000 AIRCRAFT
• LOCKHEED CONSTELLATION AIRCRAFT
• LOCKHEED C-5 AIRCRAFT
• LOCKHEED NAVIGATION SYSTEM
• LOCKHEED U-2 AIRCRAFT
• LOCKHED L-2000 AIRCRAFT
• LOCKHED CONSTELLATION AIRCRAFT
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• LOADS (PER TIME)
• LOADS (FORCES)
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• LOAD TESTS
• STRAIN RATE
• VELOCITY
• USE ELASTIC WAVES
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NAP-OF-THE-EARTH NAVIGATION

LOW ASPECT RATIO
GS
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• LOW ASPECT RATIO

LOW ASPECT RATIO WINGS
GS
AIRFOILS:

• WINGS
• LOW ASPECT RATIO WINGS
• DELTA WINGS
• TRAPEZOIDAL WINGS
RT
CRUCIFORM WINGS
FIXED WINGS
RIGID WINGS
WING PLANE FORMS

LOW DENSITY FLOW
RT
FLOW:

• FLUID DYNAMICS
• MOLECULAR FLOW
• RAREFIED GAS DYNAMICS
• RAREFIED GASES

LOW DENSITY GASES
USE
RAREFIED GASES

LOW DENSITY WIND TUNNELS
GS
TEST FACILITIES:

• WIND TUNNELS
• LOW DENSITY WIND TUNNELS
RT
HYPERSONIC WIND TUNNELS
HYPersonic WIND TUNNELS
PLASMA JETS
RAREFIED GAS DYNAMICS
SHOCK TUBES
SHOCK TUNNELS
SLIP FLOW
SUPERSONIC WIND TUNNELS

LOW LEVEL TURBULENCE
GS
TURBULENCE:

• ATMOSPHERIC TURBULENCE
• LOW LEVEL TURBULENCE
RT
HOMOGENEOUS TURBULENCE

LOW OBSERVABLE REENTRY VEHICLES
GS
REENTRY VEHICLES:

• LOW OBSERVABLE REENTRY VEHICLES
RT
RADAR CROSS SECTIONS
REENTRY REENTRY PHYSICS
Vehicles

LOW PRESSURE
GS
PRESSURE:

• LOW PRESSURE
• HIGH ALTITUDE PRESSURE
RT
ALTITUDE TOLERANCE
CYCLOGENESIS
CYCLOGENESIS
DEPRESSION
HIGH ALTITUDE ENVIRONMENTS
HIGH PRESSURE
HYPOBARIC ATMOSPHERES
TROUGHS

LOW PRESSURE CHAMBERS
USE
VACUUM CHAMBERS

= LOW RESISTANCE
SN
(USE OF A MORE SPECIFIC TERM IS
RECOMMENDED—CONSULT THE TERMS
LISTED BELOW)
RT
CHEMICAL PROPERTIES
ELECTRICAL RESISTANCE
FLOW RESISTANCE
MECHANICAL PROPERTIES
RESISTANCE
THERMAL RESISTANCE
TRANSCONDUCTANCE

LOW REYNOLDS NUMBER
SN
(RN BELOW 2,000)
GS
RATIOS:

• DIMENSIONLESS NUMBERS
• REYNOLDS NUMBER

LOW REYNOLDS NUMBER-(CONT.)
RT
LOW REYNOLDS NUMBER
HIGH REYNOLDS NUMBER
LAMINAR FLOW
VISCOITY

LOW SPEED
UF
LOW VELOCITY
GS
RATINGS (PER TIME)

• LOW SPEED
• VELOCITY
LOW VELOCITY
GS
LOW VELOCITY
RT
AIRSPEED
LOW VELOCITY
GROUND SPEED
LANDING SPEED
SUBSONIC SPEED

LOW SPEED STABILITY
GS
DINAMIC CHARACTERISTICS:

• MOTION STABILITY
• LOW VELOCITY STABILITY

RT
AERODYNAMIC STABILITY
AERODYNAMIC STALLING
AIRCRAFT STABILITY
ATTITUDE STABILITY
CONTROL ABILITY

DYNAMIC TESTS:

• FLIGHT CHARACTERISTICS
• FLOW STABILITY
• MOVING STABILITY
• SPACECRAFT STABILITY

LOW SPEED WIND TUNNELS
GS
TEST FACILITIES:

• WIND TUNNELS
• LOW VELOCITY WIND TUNNELS
• SUBSONIC WIND TUNNELS
RT
BLOWDOWN WIND TUNNELS

LOW TEMPERATURE
GS
TEMPERATURE:

• LOW TEMPERATURE
• CRYOGENIC TEMPERATURE
RT
BAY ICE
COOLING
CRYOGENICS
FREEZING
FROST
FROST DAMAGE
ICE FORMATION
MAGNETIC COOLING
PRESSURE ICE
REFRIGERATING

LOW TEMPERATURE TESTS
GS
ENVIRONMENTAL TESTS

• LOW TEMPERATURE TESTS
RT
CHEMICAL TESTS
COLD STRIKES
COLD WEATHER TESTS
CRYOSTATS
HARDNESS TESTS
LUBRICANT TESTS
MELTING POINTS
NONDESTRUCTIVE TESTS
QUALITY CONTROL
TEMPERATURE CONTROL
= TESTS
THERMAL EXPANSION
THERMAL STABILITY

LOW THRUST
GS
THRUST:

• LOW THRUST
• MICROTHRUST
RT
HIGH THRUST
JET THRUST
ROCKET THRUST
VARIABLE THRUST

LOW THRUST PROPULSION
GS
PROPULSION:

• LOW THRUST PROPULSION
• ELECTROMAGNETIC PROPULSION
• ELECTROSTATIC PROPULSION
• ION PROPULSION
• MAN OPERATED PROPULSION
• PHOTONIC PROPULSION

LOW THRUST PROPULSION-(CONT.)
RT
ELECTRIC PROPULSION
MICROTHRUST
ROCKET THRUST
SPACE STATION PROPULSION
SPACECRAFT PROPULSION
VARABLE THRUST

LOW TURBULENCE
GS
TURBULENCE:

• LOW TURBULENCE
RT
STEADY FLOW

LOW VELOCITY
USE
LOW VELOCITY

LOW VISIBILITY
GS
VISIBILITY:

• LOW VISIBILITY
RT
AIRCRAFT LANDING
ALL-WEATHER LANDING SYSTEMS
HAZARDS
HAZE
INSTRUMENT FLIGHT RULES
LIGHT TRANSMISSION

LOW VOLUME RAMJET ENGINES
GS
ENGINES:

• AIR BREATHING ENGINES
• GAS TURBINE ENGINES
• JET ENGINES
• RAMJET ENGINES
• LOW VOLUME RAMJET ENGINES
• INTERNAL COMBUSTION ENGINES
• GAS TURBINE ENGINES
• JET ENGINES
• RAMJET ENGINES
• LOW VOLUME RAMJET ENGINES
• TURBINE ENGINES
• GAS TURBINE ENGINES
• JET ENGINES
• RAMJET ENGINES
• LOW VOLUME RAMJET ENGINES

LOW WING AIRCRAFT
SN
(USE OF A MORE SPECIFIC TERM IS
RECOMMENDED—CONSULT THE TERMS
LISTED BELOW)
RT
AIRCRAFT
AIRCRAFT CONFIGURATIONS
BEECH 99 AIRCRAFT
GENERAL AVIATION AIRCRAFT
HYPERSONIC AIRCRAFT
JET AIRCRAFT
LIGHT AIRCRAFT
MONOPLACES
PASSENGER AIRCRAFT
TAILLESS AIRCRAFT
TRANSPORT AIRCRAFT
TURBOFAN AIRCRAFT
TURBOPROP AIRCRAFT

LOG CONTROL
USE
LINEAR QUADRATIC GAUSSIAN
CONTROL

LQR
USE
LINEAR QUADRATIC REGULATOR

LTV AIRCRAFT
USE
LING-TEMCO-VOUGHT AIRCRAFT

LUBRICANT TESTS
RT
ENGINE TESTS
HIGH TEMPERATURE TESTS
LOW TEMPERATURE TESTS
= MATERIALS TESTS
= TESTS
Wear resistance

LUCITE (TRADEMARK)
USE
POLYETHYLENE METHACRYLATE

LUDER BANDS
USE
PLASTIC DEFORMATION
YIELD POINT
MAGNETIC COMPASSES

MACH-ZEHNDER

MACH

MACE MISSILES

M-2F3 LIFTING BODY

M-2 LIFTING BODY

M-2F3 LIFTING BODY

M-2 LIFTING BODY

M-2F3 LIFTING BODY

M-2 LIFTING BODY

MACH NUMBER

MACH-ZEHNDER INTERFEROMETERS

MACH-ZEHNDER INTERFEROMETERS

MACH-ZEHNDER INTERFEROMETERS

MAGNETIC COMPASSES

MAGNETIC COOLING

MAGNETOHYDRODYNAMICS

MAGNETOHYDRODYNAMIC STABILITY

MAGNETOHYDRODYNAMIC TURBULENCE

MAGNETOHYDRODYNAMIC WAVES

MAGNETOHYDRODYNAMICS

MAGNETOHYDRODYNAMICS (CONT.)

MAGNETOHYDRODYNAMICS (CONT.)
MANUAL CONTROL
- ATTITUDE CONTROL
- AUTOMATIC CONTROL
- BUTTONS
- CONSOLES
- CONTROL
- CONTROL BOARDS
- CONTROL EQUIPMENT
- DIRECTIONAL CONTROL
- ENGINE CONTROL
- GUIDANCE (MOTION)
- HANDLES
- HELICOPTER CONTROL
- HUMAN FACTORS ENGINEERING
- KNOBS
- LANDING INSTRUMENTS
- LATERAL CONTROL
- LEVERS
- LONGITUDINAL CONTROL
- MANUAL PEDALS
- REENTRY GUIDANCE
- REMOTE CONTROL
- SATELLITE CONTROL
- SATELLITE GUIDANCE
- SERVOCONTROL
- SPACECRAFT CONTROL
- SPACECRAFT GUIDANCE
- SPEED CONTROL
- TEMPERATURE
- TERCOM
- VIDEO LANDMARK ACQUISITION AND TRACKING

MAP MATCHING GUIDANCE
- GS GUIDANCE (MOTION)
- RT AIRBORNE EQUIPMENT
- DISPLAY DEVICES
- IMAGE CORRELATORS
- RADAR MAPS
- RADAR NAVIGATION
- TERCOM
- VIDEO LANDMARK ACQUISITION AND TRACKING

MASTERS
- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT BEACONS
- BUOYS
- CRAYONS
- DYES
- RADIO BEACONS
- RUNWAY LIGHTS
- SMOKE

MAURODER ROCKET ENGINE
- GS ENGINES
- MATRA MISSILE
- MARTIN AIRCRAFT
- MARTIN AIRCRAFT
- B-26 AIRCRAFT
- B-57 AIRCRAFT
- RT AIRCRAFT

MARKERS
- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT BEACONS
- BUOYS
- CRAYONS
- DYES
- RADIO BEACONS
- RUNWAY LIGHTS
- SMOKE

MAURODER ROCKET ENGINE
- MATRA MISSILE
- MARTIN AIRCRAFT
- MARTIN AIRCRAFT
- B-26 AIRCRAFT
- B-57 AIRCRAFT
- RT AIRCRAFT

MASS BALANCE
- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT MASS BALANCE
- MATERIAL BALANCE
- VARIABLE MASS SYSTEMS

MAXWELL FLUIDS
- STEAM FLOW
- TURBULENT FLOW
- UNIFORM FLOW
- UNSTEADY FLOW

MASS FLOW FACTORS
- RT DISCHARGE COEFFICIENT
- FLOW COEFFICIENTS
- HEAT TRANSFER COEFFICIENTS
- HEAT TRANSMISSION
- NOZZLE GEOMETRY

MASS FLOW RATE
- GS RATES (PER TIME)
- RT CONVECTIVE FLOW
- DIFFUSION COEFFICIENT
- FLOW VELOCITY
- PNEUMATIC PROBES
- SPECIFIC IMPULSE
- TRANSIENT PRESSURES

MASS SPECTRA
- GS SPECTRA
- RT ENERGY SPECTRA
- MOLECULAR SPECTRA
- RADIATION SPECTRA

MASS SPECTROMETERS
- UF N SPECTROMETERS
- RETARDING ION MASS SPECTROMETERS
- GS MEASURING INSTRUMENTS
- SPECTROMETERS
- MASS SPECTROMETERS
- RT CHEMICAL ANALYSIS
- GAS ANALYSIS
- MICROANALYSIS
- NEUTRON ACTIVATION ANALYSIS
- QUALITATIVE ANALYSIS

MASS TRANSFER
- RT ABLATION
- CHARGE TRANSFER
- CONVECTIVE FLOW
- CONVECTIVE HEAT TRANSFER
- ENERGY TRANSFER
- GAS TRANSPORT
- GAS-LIQUID INTERACTIONS
- HEAT TRANSFER
- LEWIS NUMBERS
- POREOUS BOUNDARY LAYER CONTROL
- SEDIMENT TRANSPORT
- TRANSPORTING
- TRANSPIRATION

MATRA MISSILE
- GS MISSILES
- AIR TO AIR MISSILES
- MATRA MISSILE
- RT SOLID PROPELLANT ROCKET ENGINES

MAULER MISSILE
- GS MISSILES
- ANTIAIRCRAFT MISSILES
- MAULER MISSILE
- ANTIMISSILE MISSILES
- MAULER MISSILE
- SURFACE TO AIR MISSILES
- MAULER MISSILE
- RT SINGLE STAGE ROCKET VEHICLES
- SOLID PROPELLANT ROCKET ENGINES

MAVERICK MISSILES
- GS MISSILES
- AIR TO SURFACE MISSILES
- MAVERICK MISSILES

MAX HOLSTE MH-325 AIRCRAFT
- USE MH-325 AIRCRAFT

MAXWELL BODIES
- RT CLASSICAL MECHANICS
- CONTINUUM MECHANICS
- HOOVES LAW
- OSCILLATION DAMPERS
- RELAXATION TIME

MAXWELL FLUIDS
- RT COMPRESSIBLE FLUIDS
- FLUID MECHANICS
- FLUIDS

MARBORE 2 ENGINE
- USE J-89-1-25 ENGINE

MARINE NAVIGATION
- USE SURFACE NAVIGATION

MARINE RUDDERS
- GS CONTROL SURFACES
- RUDDERS
- MARINE RUDDERS
- RT AERIAL RUDDERS
- HYDROFOILS
- TAIL ASSEMBLIES

MARITIME SATELLITES
- GS ARTIFICIAL SATELLITES
- MARIETTE SATELLITES
- ERS-1 (ESA SATELLITE)
- MARECS MARITIME SATELLITES
- MAROETS (ESA)
- RT MSA NATIONAL OCEANIC SATELLITE SYSTEM TOPEX
### Maxwell-Boltzmann Density Function

**Maxwell Fluids** (Continued)
- Rheology
- Viscoelasticity
- Viscous Flow
- Viscous Fluids

**Maxwell-Boltzmann Density Function**

**Uf**
- Maxwellian Distribution (Density)

**Gs**
- Functions (Mathematics)
- Maxwell-Boltzmann Density
- Statistical Analysis
- Maxwell-Boltzmann Function

**Rt**
- Density Distribution
- Kinetic Theory
- Probability Theory
- Statistical Mechanics

**Maxwellian Distribution (Density)**

**Use**
- Maxwell-Boltzmann Density Function

**Mcdonnell Aircraft**

**Gs**
- McDonnell Douglas Aircraft

**Rt**
- Aircraft

**McLeod Gages**

**Gs**
- Measuring Instruments

**Rt**
- Ionization Gages
- Knudsen Gages
- Pirani Gages
- Pressure Measurement

**Me P-180 Aircraft**

**Use**
- P-180 Aircraft

**Me P-308 Aircraft**

**Use**
- P-308 Aircraft

**Mean Square Values**

**Gs**
- Analysis (Mathematics)
- Numerical Analysis
- Approximation

**Rt**
- Algorithms
- ERROR ANALYSIS

<table>
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<tr>
<th>Mean Square Values</th>
<th>Least Squares Method</th>
<th>Measuring Instruments</th>
</tr>
</thead>
</table>
| SN                 | (Use of a more specific term is recommended—consult the terms listed below) | UF: Flowmeters
|                    | DETERMINATION         | GS: Measuring Instruments |
|                    | MEASURING             |                        |
|                    | QUANTIZATION          |                        |
|                    | RT ACCURACY           |                        |
|                    | ACoustic Measurement  |                        |
|                    | AIRBORNE RANGE AND ORBIT |                    |
|                    | DETERMINATION         |                        |
|                    | AIRCRAFT INSTRUMENTS  |                        |
|                    | ANALOG DATA           |                        |
|                    | ASTROMETRY            |                        |
|                    | AUDIOMETRY            |                        |
|                    | CHEMICAL ANALYSIS     |                        |
|                    | CONFIDENCE LIMITS     |                        |
|                    | CONSISTENCY           |                        |
|                    | COUNTING              |                        |
|                    | DEFINITION            |                        |
|                    | DENSITIES             |                        |
|                    | DENSITY MEASUREMENT   |                        |
|                    | DEPTH MEASUREMENT     |                        |
|                    | DETECTION             |                        |
|                    | DILATOMETER           |                        |
|                    | DIMENSIONAL MEASUREMENT |                    |
|                    | DOWNTRANGE ANTIMISSE |                        |
|                    | MEASUREMENT PROGRAM   |                        |
|                    | DOWNTRANGE MEASUREMENT|                        |
|                    | DRAG MEASUREMENT      |                        |
|                    | EARTH TERMINAL MEASUREMENT SYSTEM | |
|                    | ELECTRICAL MEASUREMENT|                        |
|                    | ELECTROMAGNETIC MEASUREMENT |                    |
|                    | ELECTROMAGNETIC NOISE |                        |
|                    | MEASUREMENT           |                        |
|                    | ELLIPSIOMETRY         |                        |
|                    | ESTIMATING            |                        |
|                    | EVALUATION            |                        |
|                    | EXAMINATION           |                        |
|                    | FLOW MEASUREMENT      |                        |
|                    | FREQUENCY MEASUREMENT |                        |
|                    | FRICTION MEASUREMENT  |                        |
|                    | GAMMA RAY ABOSRPTOMETRY|                    |
|                    | GEOMETRY              |                        |
|                    | GRAVIMETRY            |                        |
|                    | HEAT MEASUREMENT      |                        |
|                    | HIGH ALT TARGET AND BACKGROUND MEASUREMENT | |
|                    | HUMIDITY MEASUREMENT  |                        |
|                    | IDENTIFYING           |                        |
|                    | INTERNATIONAL SYSTEM OF UNITS | |
|                    | LATITUDE MEASUREMENT  |                        |
|                    | LONGITUDE MEASUREMENT |                        |
|                    | MACROSCOPIC EQUATIONS |                        |
|                    | MAGNETIC MEASUREMENT  |                        |
|                    | MEASUREMENTS          |                        |
|                    | MEASURING INSTRUMENTS  |                        |
|                    | MECHANICAL MEASUREMENT |                        |
|                    | METROLOGY             |                        |
|                    | MONITORS              |                        |
|                    | NOISE MEASUREMENT     |                        |
|                    | OPTICAL MEASUREMENT   |                        |
|                    | OPTOMETRY             |                        |
|                    | PHOTOGRAPHIC MEASUREMENT |                    |
|                    | PNEUMOGRAPHY          |                        |
|                    | PRESSURE MEASUREMENT  |                        |
|                    | PROVING               |                        |
|                    | PULSILOMETER          |                        |
|                    | RADAR MEASUREMENT     |                        |
|                    | RADIATION MEASUREMENT |                        |
|                    | RADIOACTIVE AGE DETERMINATION | |
|                    | RANGEFINDING          |                        |
|                    | SIGNAL MEASUREMENT    |                        |
|                    | SIZE DETERMINATION    |                        |
|                    | SOUNDING              |                        |
|                    | SPHYGOMETRY          |                        |
|                    | STANDARD              |                        |
|                    | STRAIN MEASUREMENT    |                        |
|                    | SYNCHRONIC MC MEASUREMENT |                    |
|                    | TEMPERATURE MEASUREMENT |                    |
|                    | THRUST MEASUREMENT    |                        |
|                    | TIME MEASUREMENT      |                        |
|                    | TRAJECTORY MEASUREMENT|                        |
|                    | ULTRASONIC DENSIMETERS|                        |
|                    | UNITS OF MEASUREMENT  |                        |
|                    | VELOCITY MEASUREMENT  |                        |
|                    | VIBRATION MEASUREMENT |                        |
|                    | WEIGHT MEASUREMENT    |                        |
|                    | WIND MEASUREMENT      |                        |

**Uf**
- Flowmeters

**Gs**
- Sensors
- Rate Meteters

**Measuring Instruments**

- Accelerometers
- Pressure Transducers
- Temperature Transducers
- Flowmeters
- Gas Meters
- Hot-Wire Flowmeters
- Rheometers
- Force Vector Recorders
- Fuel Gages
- Capacitive Fuel Gages
- Galvanometers
- Gerdien Condensometers
- Gonimeters
- Photogoniometers
- Radiogoniometers
- Gravimeters
- Gravity Gradiometers
- Heulometers
- Gyrocompasses
- Hydrometers
- Impedance Probes
- Radio Frequency Impedance Probes
- Indicating Instruments
- Approach Indicators
MECHANICAL DEVICES

MEASURING INSTRUMENTS-(CONT.)
INTERNATIONAL SYSTEM OF UNITS
LABORATORY EQUIPMENT
LANDING INSTRUMENTS
LARGE APERTURE SEISMIC ARRAY
LOCAL SCIENTIFIC SURVEY MODULE
LUNAR RANGEFINDING
MEASUREMENT
MICROINSTRUMENTATION
MONITORS
NAVIGATION INSTRUMENTS
PROBES
PROPELLANT ACTUATED INSTRUMENTS
RADIO PROBING
RADIO TELEMETRY
RAPID BALLISTICS IDENTIFICATION
RECORDING INSTRUMENTS
REMOTE SENSORS
ROCKET-BORNE INSTRUMENTS
RUNCHI TEST
SATELLITE INSTRUMENTS
SENSORS
SOIL
SOUND DETECTING AND RANGING
SPACECRAFT INSTRUMENTS
SYNCHROSCOPES
TELEMETRY
TEST EQUIPMENT
TRANSUDERS
ULTRASONIC SCANNERS
VENTURI TUBES
WHEATSTONE BRIDGES
WIND TUNNEL CALIBRATION

MECHANICAL DEVICES
RT CAMS
CLAMPS
CLIPS
CLUTCHES
DEVICES
EQUIPMENT
HOLES
JIGS
LEVERS
LINKAGES
MACHINE TOOLS
MECHANISM
MECHANIZATION
TOOLS

MECHANICAL DRAWINGS
USE ENGINEERING DRAWINGS

MECHANICAL MEASUREMENT
SN (MEASUREMENT OF MECHANICAL PROPERTIES, QUANTITIES OR CONDITIONS)
GS MECHANICAL MEASUREMENT
- DISPLACEMENT MEASUREMENT
- DRAG MEASUREMENT
- FLOW MEASUREMENT
- FRICTION MEASUREMENT
- PRESSURE MEASUREMENT
- STRESS MEASUREMENT
- X RAY STRESS MEASUREMENT
- THRUST MEASUREMENT
- VELOCITY MEASUREMENT
- VIBRATION MEASUREMENT
RT WIND VELOCITY MEASUREMENT
- WIND VELOCITY MEASUREMENT
ACCELEROMETERS
ACOUSTIC MEASUREMENT
DEFORMETERS
DENSITY MEASUREMENT
DEPTH MEASUREMENT
DYNAMOMETERS
EXTENSOMETERS
FLOWMETERS
MEASUREMENT
STRAIN GAGES
TENSOMETERS
TORQUEMETERS
WEIGHT INDICATORS

MECHANICAL RESONANCE
USE RESONANT VIBRATION

MECHANOMETERS
GS MEASURING INSTRUMENTS
- MECHANOMETERS
MEDICAL EQUIPMENT
MECHANOMETERS
- RECORDING INSTRUMENTS

MECHANOMETERS-(CONT.)
RT MUSCULAR FUNCTION

MEDICAL SERVICES
GS SERVICES
- MEDICAL SERVICES
RT AMBULANCES
FIRST AID
INTRAVENOUS PROCEDURES
MOBILE QUARANTINE FACILITY
PUBLIC HEALTH

MEMBRANE ANALOGY
USE MEMBRANE STRUCTURES
STRUCTURAL ANALYSIS
MEMBRANE STRUCTURES
GS MEMBRANES
- MEMBRANE STRUCTURES
- SKIN (STRUCTURAL MEMBER)
- STRUCTURAL MEMBERS
- MEMBRANE STRUCTURES
- SKIN (STRUCTURAL MEMBER)
RT DIAPHRAGMS (MECHANICS)
METAL SHELLS
PERFORATED SHELLS
SCOTCHLIFE (TRADEMARK)
SHEETS
SHELLS (STRUCTURAL FORMS)
- SHEETS
- PLATES
- SHELLS
- STRUCTURES
- THIN WALLED SHELLS
WEBB (SUPPORTS)

MEMORY
SN (LIMITED TO SENTIENT ORGANISMS-EXCLUDES COMPUTER STORAGE DEVICES AND PLASTIC MEMORIES)
RT EDUCATION
LEARNING
MENOMICS
RECOGNITION
RETENTION (PSYCHOLOGY)

MENISCI
GS LIQUID SURFACES
RT CURVES (GEOMETRY)
- LIQUID-GAS MIXTURES
- LIQUID-SOLID INTERFACES
- LIQUID-VAPOR INTERFACES
- SURFACES

MERCURY AIRCRAFT
GS TRANSPORT AIRCRAFT
- SHORT Haul AIRCRAFT
- MERCURY AIRCRAFT
RT AIRCRAFT
CARGO AIRCRAFT
PASSENGER AIRCRAFT

MEROPOVIC FLOW
GS FLUID FLOW
- GAS FLOW
- AIR FLOW
- AIR CURRENTS
- MEROPOVIC FLOW
RT ATMOSPHERIC CIRCULATION
FLOW GEOMETRY
WIND (METEOROLOGY)
WIND DIRECTION
ZONAL FLOW (METEOROLOGY)

MESH
RT FABRICS
- GRIDS
- STRANDS
- WEBBING
- WEBS

MESH (MATHEMATICS)
USE COMPUTATIONAL GRIDS

MESH GENERATION (MATHEMATICS)
USE GRID GENERATION (MATHEMATICS)
MESSERSCHMITT ME P-100 AIRCRAFT
USE P-100 AIRCRAFT
MESSERSCHMITT ME P-308 AIRCRAFT
USE P-308 AIRCRAFT

METAL COMBUSTION
GS COMBUSTION
- METAL COMBUSTION
RT FUEL COMBUSTION
GAS-METAL INTERACTIONS
METALS
OXIDATION
PROPELLANT COMBUSTION
PYROPHORIC MATERIALS
SOLID PROPELLANT COMBUSTION
SOLID PROPELLANT IGNITION

METAL PLATES
UF PLATE (METAL)
GS PLATES (STRUCTURAL MEMBERS)
- PLATES (STRUCTURAL MEMBERS)
- METAL PLATES
- BOILER PLATE
RT ARMOR
BARS
BILLETs
FLANGES
FLAT PLATES
GIRDERS
WEBS
PARALLEL PLATE
= PLATES
- RECTANGULAR PLATES
- SLABS
- THICK PLATES
- THIN PLATES

METAL SHELLS
GS SHELLS (STRUCTURAL FORMS)
- METAL SHELLS
RT CIRCULAR SHELLS
CYLINDRICAL SHELLS
HEMISPHERICAL SHELLS
HULLS (STRUCTURES)
MEMBRANE STRUCTURES
ORTHOTROPIC SHELLS
REINFORCED SHELLS
SKIN (STRUCTURAL MEMBER)
SPHERICAL SHELLS
THIN WALLED SHELLS
TOROIDAL SHELLS

METEOR 1 ROCKET VEHICLE
GS ROCKET VEHICLES
- METEOR 1 ROCKET VEHICLE
RT LIQUID PROPELLANT ROCKET ENGINES
RAMJET ENGINES
SOLID PROPELLANT ROCKET ENGINES

METEOROLOGICAL BALLOONS
GS EXPANDABLE STRUCTURES
- INFLATABLE STRUCTURES
- BALLOONS
- METEOROLOGICAL BALLOONS
- JIMSPHERE BALLOONS
- ROBIN BALLOONS
RT DROPSONDES
HIGH ALTITUDE BALLOONS
RADIOSONDES
RAWSONDES
ROCKOONS
SKYHOOK BALLOONS
SOUNDING
SUPERPRESSURE BALLOONS
TETHERED BALLOONS
UPPER ATMOSPHERE
WEATHER FORECASTING

METEOROLOGICAL RESEARCH AIRCRAFT
RT AIRCRAFT
DATA ACQUISITION
RESEARCH AIRCRAFT

METEOROLOGICAL STATIONS
USE WEATHER STATIONS

METERS
USE MEASURING INSTRUMENTS

METHOD OF CHARACTERISTICS
UF CHARACTERISTIC METHOD
RT CHARACTERISTICS
- COMPRESSIBLE FLUIDS
- FLOW DISTRIBUTION
- HYPERBOLIC FUCTIONS
- METEOROLOGY
- METHODOLOGY
- PARTIAL DIFFERENTIAL EQUATIONS
- PLASTIC PROPERTIES
- PRANDTL-MEYER EXPANSION
- STEADY FLOW
MIDCOURSE GUIDANCE-(CONT.)

INERTIAL GUIDANCE
INJECTION GUIDANCE
RENDEZVOUS GUIDANCE
SPACECRAFT GUIDANCE
TERMINAL GUIDANCE
TRANSEARTH INJECTION
TRANSLUNAR INJECTION

MIDCOURSE TRAJECTORIES

GS TRAJECTORIES
RT ASCENT TRAJECTORIES
BALLISTIC TRAJECTORIES
COASTING FLIGHT
DESCENT TRAJECTORIES
PARABOLIC FLIGHT

MIG AIRCRAFT

GS ATTACK AIRCRAFT
RT FIGHTER AIRCRAFT
MIG AIRCRAFT
SINGLE ENGINE AIRCRAFT
MIG AIRCRAFT
SUPERSONIC AIRCRAFT
MIG AIRCRAFT

RT AIRCRAFT

MIL AIRCRAFT

MILITARY AIRCRAFT BASES
RT AIR TRAFFIC CONTROL
= AIRCRAFT
AIRCRAFT CARRIERS
AIRPORTS
= FACILITIES
= FIELDS
HANGARS
HELIPORTS
LANDING AIDS
LANDING MATS
NAVIGATION AIDS
STATIONS

= MILITARY AIRCRAFT

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

UF BOEING MILITARY AIRCRAFT
Cessna MILITARY AIRCRAFT
CHANCE-VOUGHT MILITARY AIRCRAFT
CONVAIR MILITARY AIRCRAFT
CURTISS-WRIGHT MILITARY AIRCRAFT
DOUGLAS MILITARY AIRCRAFT
FAIRCHILD MILITARY AIRCRAFT
GENERAL DYNAMICS MILITARY AIRCRAFT
HILLER MILITARY AIRCRAFT
HUGUES MILITARY AIRCRAFT
REPUBLIC MILITARY AIRCRAFT

RT A-37 AIRCRAFT
AH-10 HELICOPTER
AH-63 HELICOPTER
AH-64 HELICOPTER
AIRCRAFT
AIRCRAFT CARRIERS
AIRCRAFT SURVIVABILITY
AIRSHIPS

ALPHA JET AIRCRAFT
ANTISUBMARINE WARFARE AIRCRAFT
ARMED FORCES
ARMED FORCES (FOREIGN)
ARMED FORCES (UNITED STATES)
ATTACK AIRCRAFT
ATTACKING (ASSAULTING)
AWACS AIRCRAFT
B-1 AIRCRAFT
BOMBER AIRCRAFT
C-1A AIRCRAFT
CARGO AIRCRAFT
CH-62 HELICOPTER
CL-800 CHALLENGER AIRCRAFT
DRONE AIRCRAFT
DRONE VEHICLES
E-2 AIRCRAFT
E-3A AIRCRAFT
E-4A AIRCRAFT
FIGHTER AIRCRAFT
FIREBEE 2 TARGET DRONE AIRCRAFT
FY-13A AIRCRAFT
GLIDERS
GROUND EFFECT MACHINES
H-40 HELICOPTER

MIDCOURSE GUIDANCE-(CONT.)

GUIDANCE (MOTION)
GUIDANCE
COMMAND GUIDANCE
MILITARY AVIATION

MILITARY AIRCRAFT (CONT.)

- HARRIER AIRCRAFT
- HELICOPTERS
- JAGUAR AIRCRAFT
- JET AIRCRAFT
- LIGHT AIRCRAFT
- MILITARY AVIATION
- MILITARY HELICOPTERS
- MRCA AIRCRAFT
- NUCLEAR-PROPULSED AIRCRAFT
- OBSERVATION AIRCRAFT
- PANAVIA MILITARY AIRCRAFT
- PASSENGER AIRCRAFT
- PILOTLESS AIRCRAFT
- RECONNAISSANCE AIRCRAFT
- RESEARCH AIRCRAFT
- ROTARY WING AIRCRAFT
- S-3 AIRCRAFT
- SHORT TAKEOFF AIRCRAFT
- SR-71 AIRCRAFT
- SUBMERSIBLE AIRCRAFT
- TAILLESS AIRCRAFT
- TANKER AIRCRAFT
- TARGET DRONE AIRCRAFT
- TERRAIN FOLLOWING AIRCRAFT
- TRAINING AIRCRAFT
- TRANSPORT AIRCRAFT
- TRANSPORT HELICOPTER
- UTILITY AIRCRAFT
- V-22 AIRCRAFT
- V/STOL AIRCRAFT
- VERTICAL TAKEOFF AIRCRAFT
- WEAPON SYSTEMS
- YC-14 AIRCRAFT
- YF-12 AIRCRAFT
- YF-18 AIRCRAFT

MILITARY AVIATION

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)
- RT = AERONAUTICS
- "AIR LAW"
- "ARMED FORCES"
- AVIATION METEOROLOGY
- BOMBER AIRCRAFT
- FIGHTER AIRCRAFT
- MILITARY AIRCRAFT
- RECONNAISSANCE AIRCRAFT

MILITARY HELICOPTERS

- GS V/STOL AIRCRAFT
- "ROTARY WING AIRCRAFT"
- HELICOPTERS
- MILITARY HELICOPTERS
- MIRAGE 3 HELICOPTER
- AH-64 HELICOPTER
- BELL 214A HELICOPTER
- BO-105 HELICOPTER
- CH-3 HELICOPTER
- CH-21 HELICOPTER
- CH-34 HELICOPTER
- CH-46 HELICOPTER
- CH-47 HELICOPTER
- CH-54 HELICOPTER
- H-19 HELICOPTER
- H-43 HELICOPTER
- H-53 HELICOPTER
- H-60 HELICOPTER
- H-90 HELICOPTER
- HC-3 HELICOPTER
- "HEAVY LIFT HELICOPTERS"
- CH-42 HELICOPTER
- HH-43 HELICOPTER
- OH-4 HELICOPTER
- OH-5 HELICOPTER
- OH-6 HELICOPTER
- OH-105 HELICOPTER
- OH-23 HELICOPTER
- OH-25 HELICOPTER
- OH-56 HELICOPTER
- P-31 HELICOPTER
- OH-50 HELICOPTER
- S-58 HELICOPTER
- S-61 HELICOPTER
- SA-321 HELICOPTER
- SA-330 HELICOPTER
- SH-3 HELICOPTER
- SH-4 HELICOPTER
- "SIKORSKY WHIRLWIND"
- UH-1 HELICOPTER
- UH-2 HELICOPTER
- UH-34 HELICOPTER
- UH-60A HELICOPTER
- UH-61A HELICOPTER

MILITARY HELICOPTERS (CONT.)

- "WESTLAND WHIRLWIND" HELICOPTER
- XV-15A AIRCRAFT
- RT = AIRCRAFT
- ATTACK AIRCRAFT
- LIGHT HELICOPTERS
- "MILITARY AIRCRAFT"
- "RECONNAISSANCE AIRCRAFT"

MILITARY OPERATIONS

- GS MILITARY OPERATIONS
- "COMBAT"
- "ELECTRONIC WARFARE"
- RT DEPLOYMENT
- TACTICS
- TANKS (COMBAT VEHICLES)

MILITARY VEHICLES

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)
- RT AEREOVACUTIVE VEHICLES
- "AIRCRAFT CARRIERS"
- "AMBULANCES"
- "AMPHIBIOUS VEHICLES"
- "ARMED FORCES"
- "ARMED FORCES (FOREIGN)"
- "ARMED FORCES (UNITED STATES)"
- "AUTOMOBILES"
- "BOATS"
- "MILITARY SPACECRAFT"
- "RECOVERY VEHICLES"
- "RESEARCH VEHICLES"
- "SHIPS"
- "SUBMARINES"
- "TANKS (COMBAT VEHICLES)"
- "TRUCKS"
- "UNDERWATER VEHICLES"
- "Vehicles"
- "WATER VEHICLES"

MILNE-METHOD

- GS "ANALYSIS (MATHEMATICS)"
- "NUMERICAL ANALYSIS"
- "APPROXIMATION"
- "MILNE METHOD"
- "RT DIFFERENTIAL EQUATIONS"
- "RT METHODOLOGY"

MILNE–THOMSON METHOD

- RT "INCOMPRESSIBLE FLOW"
- "METHODOLOGY"
- "NAVIER-STOKES EQUATION"
- "VISCOUS FLOW"

MINER RULE

- USE "PALMGREN-MINER RULE"

MINIMUM DRAG

- GS "DYNAMIC CHARACTERISTICS"
- "DRAG"
- "MINIMUM DRAG"
- RT "AIRCRAFT PERFORMANCE"
- "FRICTION DRAG"

MINOR CIRCLE TURNING FLIGHT

- GS "TURNING FLIGHT"
- "MINOR CIRCLE TURNING FLIGHT"
- "AIRCRAFT CONTROL"
- "MANEUVERS"

MINUTEMAN ICBM

- GS "MINUTEMAN MISSILES"
- "MISSILES"
- "BALLISTIC MISSILES"
- "INTERCONTINENTAL BALLISTIC MISSILES"
- "MINUTEMAN ICBM"
- "SURFACE TO SURFACE MISSILES"
- "INTERCONTINENTAL BALLISTIC MISSILES"
- RT "M-55 ENGINE"
- "M-56 ENGINE"
- "M-57 ENGINE"
- "MULTISTAGE ROCKET VEHICLES"
- "SOLID PROPELLANT ROCKET ENGINES"
- "SPACE WEAPONS"
- "MINUTEMAN MISSILES"
- USE "MINUTEMAN ICBM"

MIRAGE AIRCRAFT

- GS "ATTACK AIRCRAFT"
- "FIGHTER AIRCRAFT"
- "MIRAGE AIRCRAFT"
- "MIRAGE 3 AIRCRAFT"
- "DASSAULT AIRCRAFT"
- "MIRAGE AIRCRAFT"
- "MIRAGE 3 AIRCRAFT"
- "JET AIRCRAFT"
- "MIRAGE AIRCRAFT"
- "MIRAGE 3 AIRCRAFT"
- "SINGLE ENGINE AIRCRAFT"
- "MIRAGE AIRCRAFT"
- "MIRAGE 3 AIRCRAFT"
- "SUPERSONIC AIRCRAFT"
- "MIRAGE AIRCRAFT"
- "MIRAGE 3 AIRCRAFT"
- "TAILLESS AIRCRAFT"
- "MIRAGE 3 AIRCRAFT"

MISS DISTANCE

- GS "DISTANCE"
- "MISS DISTANCE"
- RT "ACCURACY"
- "AIR TO SURFACE MISSILES"

MISSILE ANTENNAS

- GS "ANTENNAS"
- "MISSILE ANTENNAS"
- "MISSILE COMPONENTS"
- "MISSILE ANTENNAS"
- RT "AIRCRAFT ANTENNAS"
- "DIRECTIONAL ANTENNAS"
- "MICROWAVE ANTENNAS"

MISSILE BODIES

- GS "MISSILE CASES"
- "MISSILE COMPONENTS"
- "MISSILE BODIES"
- RT "AIRFRAMES"
- "ASYMMETRICAL BODIES"
- "BLUNT BODIES"
- "CASES (CONTAINERS)"
- "FINNED BODIES"
- "ROCKET ENGINE CASES"
- "SLENDER BODIES"
- "STREAMLINED BODIES"

MISSILE CASES

- USE "MISSILE BODIES"

MISSILE COMPONENTS

- GS "MISSILE COMPONENTS"
- "MISSILE ANTENNAS"
- "MISSILE BODIES"
- RT "COMPONENTS"
MULTIROLE COMBAT AIRCRAFT

MILITARY AIRCRAFT

MUFFLERS

RT ACOUSTIC RETROFITTING

ACROSS THEMED AIRCRAFT NOISE ATTENUATORS

BAFFLES

DAMPING

DIFFUSERS

EXHAUST SYSTEMS

FURNACES

JET AIRCRAFT NOISE NOISE SILENCERS

REDUCTION

PROPPELLER NOISE Suppressors

ROCKET ENGINE NOISE

MULTISTAGE ROCKET VEHICLES

GS ROCKET VEHICLES

MULTISTAGE ROCKET VEHICLES

MULTITEMPoral ANALYSIS

MULTISTAGE ROCKET VEHICLES

MULTISTAGE ROCKET VEHICLES

MULTISTAGE ROCKET VEHICLES

MULTISTAGE ROCKET VEHICLES

MULTISTAGE ROCKET VEHICLES

MULTISTAGE ROCKET VEHICLES

MULTISTAGE ROCKET VEHICLES

MULTISTAGE ROCKET VEHICLES

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MULTISTAGE ROCKET VEHICLES

MULTISTAGE ROCKET VEHICLES

MULTISTAGE ROCKET VEHICLES

MULTISTAGE ROCKET VEHICLES

MULTISTAGE ROCKET VEHICLES
NATIONAL AIRSPACE UTILIZATION -(CONT.)

AIR TRAFFIC
AIR TRAFFIC CONTROL
FLIGHT TRAFFIC
AIRCRAFT APPROACH SPACING
FLIGHT PATHS
FLIGHT PLANS
FLIGHT RULES
NATIONAL AIRSPACE SYSTEM
= SYSTEMS

NATIONAL AVIATION SYSTEM
RT
AIR TRAFFIC
AIR TRAFFIC CONTROL
AIR TRANSPORTATION
AIRCRAFT APPROACH SPACING
FLIGHT RULES
LANDING AIDS
NATIONAL AIRSPACE SYSTEM
= SYSTEMS
TRAFFIC CONTROL

NATIONAL LAUNCH VEHICLE PROGRAM
RT
LAUNCH VEHICLES
LAUNCHERS
LAUNCHING
LAUNCHING SITES

NAVY VEHICLE
GS
MISSILES
RAMJET MISSILES
NAVY VEHICLE MISSILES
SURFACE TO SURFACE MISSILES
CRUISE MISSILES
NAVY VEHICLE MISSILES
RT
LIQUID PROPELLANT ROCKET ENGINES
MULTISTAGE ROCKET VEHICLES
RAMJET ENGINES

NAVIER-STOKES EQUATION
GS
EQUATIONS OF MOTION
NAVIER-STOKES EQUATION
FLOW EQUATIONS
NAVIER-STOKES EQUATION
RT
BURGER EQUATION
COMPUTATIONAL FLUID DYNAMICS
= EQUATIONS
FLOW THEORY
INCOMPRESSIBLE FLOW
INCOMPRESSIBLE FLUIDS
MILNE-THOMSON METHOD
NEWTONIAN FLUIDS
OSBORN APPROXIMATION
REYNOLDS EQUATION
REYNOLDS STRESS
VISCOUS FLOW
VISCOUS FLUIDS

NAVIGATION
GS
NAVIGATION
= AIR NAVIGATION
ALL-WEATHER AIR NAVIGATION
AREA NAVIGATION
NAP-OF-THE-EARTH NAVIGATION
CELESTIAL NAVIGATION
ASTROGUIDE NAVIGATION SYSTEM
ASTRONAVIGATION
DEAD RECKONING
DIGITAL NAVIGATION
DOPPLER NAVIGATION
HYBRID NAVIGATION SYSTEMS
INERTIAL NAVIGATION
ASTROGUIDE NAVIGATION SYSTEM
GIMBALLESS INERTIAL NAVIGATION
OMEGA NAVIGATION SYSTEM
POLAR NAVIGATION
RADAR NAVIGATION
HYPERSONIC NAVIGATION
DECA NAVIGATION
LORAC NAVIGATION SYSTEM
LORAN
LORAN C
LORAN D
SHORAN

NAVIGATION (CONT.)

- TACAN
- VHF OMNI RANGE NAVIGATION
- SPACE NAVIGATION
- INTERPLANETARY NAVIGATION
- SURFACE NAVIGATION

RT
AUTOMATIC FLIGHT CONTROL
AZIMUTH
BAY ICE
DECLINATION
DISTANCE MEASURING EQUIPMENT
FIXING
FLIGHT PATHS
GLOBAL POSITIONING SYSTEM
GUIDANCE (MOTION)
GYROSCOPIC COUPLING
HOMING DEVICES
LATTITUDE MEASUREMENT
LOCOMOTION
LONGITUDE MEASUREMENT
ORBITAL POSITION ESTIMATION
PLOTTING
POSITION (LOCATION)
POSITION ERRORS
POSITIONING
STAR TRACKERS
STATIONKEEPING
= SYSTEMS
TRIANGULATION

NAVIGATION AIDS
GS
NAVIGATION AIDS
= BEACONS
AIRPORT BEACONS
DISCRETE ADDRESS BEACON
SYSTEM
RADAR BEACONS
DISCRETE ADDRESS BEACON
SYSTEM
= RADIO BEACONS
OMNIDIRECTIONAL RADIO RANGES
SELF CALIBRATING OMNI RANGE
= RADIO DIRECTION FINDERS
LIGHT AIRBORNE MULTIPURPOSE
SYSTEM
MICROWAVE SCANNING BEAM
LANDING SYSTEM
NAVIGATION INSTRUMENTS
ATTITUDE INDICATORS
GYRO HORIZONS
COMPASS
GYRO COMPASS
MAGNETIC COMPASS
SOLAR COMPASS
= RADIO DIRECTION FINDERS
TERCOM

RT
AIDS
AIR NAVIGATION
AIR TRAFFIC
AIRCRAFT EQUIPMENT
AIRCRAFT INSTRUMENTS
AIRCRAFT SAFETY
AIRPORTS
= ALL-WEATHER AIR NAVIGATION
ALTIMETERS
APPROACH INDICATORS
AUTOMATIC FLIGHT CONTROL
AUTOMATIC PILOTS
AUTOMATIC TRAFFIC ADVISORY AND RESOLUTION
AUTONOMOUS NAVIGATION
BUOYS
= CHARTS
DECCA NAVIGATION
DISPLAY DEVICES
DISTANCE MEASURING EQUIPMENT
ECHO SOUNDING
FLIGHT CONTROL
FLIGHT MANAGEMENT SYSTEMS
FLIGHT PATHS
GYROSTABILIZERS
HEAD-UP DISPLAYS
HELIPORTS
HOMING DEVICES
HYPERSONIC NAVIGATION SYSTEMS
INERTIAL NAVIGATION
KALMAN FILTERS
LANDING AIDS
LASER RANGE FINDERS
LORAN NAVIGATION SYSTEM
LORAN
LORAN C
LORAN D
MAPS
= MARS
NIKE-AJAX MISSILE

NIKE X SYSTEMS (CONT.)
RT ANTIMISSILE MISMATCHES
MESSAGES
SURFACE TO AIR MISMATCHES
SYSTEMS

NIKE-AJAX MISSILE
GS MISMATCHES
NIKE-AJAX MISSILE
SURFACE TO AIR MISMATCHES
NIKE MISMATCHES
NIKE-AJAX MISSILE
RT ARGU ROCKET VEHICLES
EXISTING SOUNDING ROCKET SYSTEMS
SOLID PROPELLANT ROCKET ENGINES
TRAILBLAZER 1 REENTRY VEHICLE

NIKE-APACHE ROCKET VEHICLE
GS ROCKET VEHICLES
MULTI-STAGE ROCKET VEHICLES
NIKE ROCKET VEHICLES
NIKE-APACHE ROCKET VEHICLE
RT SILENT PROPELLANT ROCKET ENGINES

NIKE-ASP ROCKET
USE ASP ROCKET VEHICLE

NIKE-CAJUN ROCKET VEHICLE
GS ROCKET VEHICLES
MULTI-STAGE ROCKET VEHICLES
NIKE ROCKET VEHICLES
NIKE-CAJUN ROCKET VEHICLE
RT CAJUN ROCKET VEHICLE
SOLID PROPELLANT ROCKET ENGINES

NIKE-HERCULES MISSILE
GS MISMATCHES
NIKE-HERCULES MISSILE
SURFACE TO AIR MISMATCHES
NIKE MISMATCHES
NIKE-HERCULES MISSILE
RT SILENT PROPELLANT ROCKET ENGINES

NIKE-HYDAC ROCKET VEHICLE
GS ROCKET VEHICLES
MULTI-STAGE ROCKET VEHICLES
NIKE ROCKET VEHICLES
NIKE-HYDAC ROCKET VEHICLE
RT HYDAC ROCKET VEHICLE
SOLID PROPELLANT ROCKET ENGINES

NIKE-IROQUOIS ROCKET VEHICLE
GS ROCKET VEHICLES
MULTI-STAGE ROCKET VEHICLES
NIKE ROCKET VEHICLES
NIKE-IROQUOIS ROCKET VEHICLE
RT IROQUOIS ROCKET VEHICLE
SOLID PROPELLANT ROCKET ENGINES

NIKE-JAVEW MISSILE
GS MISMATCHES
NIKE-JAVEW MISSILE
SURFACE TO AIR MISMATCHES
NIKE MISMATCHES
NIKE-JAVEW MISSILE
RT SILENT PROPELLANT ROCKET ENGINES

NIKE-TOMAHAWK ROCKET VEHICLE
GS ROCKET VEHICLES
MULTI-STAGE ROCKET VEHICLES
NIKE ROCKET VEHICLES
NIKE-TOMAHAWK ROCKET VEHICLE
RT TOMAHAWK ROCKET VEHICLE
SOLID PROPELLANT ROCKET ENGINES

NIKE-ZEUS MISSILE
GS MISMATCHES
NIKE-ZEUS MISSILE
SURFACE TO AIR MISMATCHES
NIKE MISMATCHES
NIKE-ZEUS MISSILE
RT SILENT PROPELLANT ROCKET VEHICLES
SANTA MISSILE
SPRITE MISSILE

NITRAMINE PROPELLANTS
GS PROPELLANTS
ROCKET PROPELLANTS
NITRAMINE PROPELLANTS
SOLID PROPELLANTS

NITRAMINE PROPELLANTS (CONT.)
NITRAMINE PROPELLANTS
RT OXIDIZERS

NOE NAVIGATION
USE NAP-OF-THE-EARTH NAVIGATION

NOISE ATTENUATION
USE ELECTRONIC ATTENUATION

NOISE ELIMINATION
USE NOISE REDUCTION

NOISE INJURIES
GS INJURIES
RT EAR PROTECTORS

NOISE INTENSITY
RT AIRCRAFT NOISE
AUDITORY STIMULUS
EFFECTIVE PERCEIVED NOISE LEVELS
ELECTROMAGNETIC NOISE INTENSITY
PROPELLER NOISE
PSYCHOACOUSTICS
SIRENS
SOUND INTENSITY

NOISE MEASUREMENT
GS ACOUSTIC MEASUREMENT
NOISE MEASUREMENT
RT AERODYNAMIC NOISE
AIRCRAFT NOISE
BACKGROUND NOISE
JET AIRCRAFT NOISE
LOUDNESS
MEASUREMENT
NOISE (SOUND)
PROPELLER NOISE
SOUND INTENSITY

NOISE POLLUTION
GS POLLUTION
NOISE POLLUTION
RT ACOUSTICS
AUDIO FREQUENCIES
ENVIRONMENT EFFECTS
ENVIRONMENT POLLUTION
ENVIRONMENTAL QUALITY
HUMAN REACTIONS
HUMAN TOLERANCES
PHYSIOLOGICAL EFFECTS
PHYSIOLOGICAL FACTORS
SOUND WAVES

NOISE PREDICTION (AIRCRAFT)
UF AIRCRAFT NOISE PREDICTION
GS PREDICTIONS
NOISE PREDICTION (AIRCRAFT)
RT AERODYNAMIC NOISE
ESTIMATES
FORECASTING
PROPELLER NOISE
SOUND WAVES

NOISE REDUCTION
UF NOISE ATTENUATION
NOISE ELIMINATION
NOISE SUPPRESSEES
RT ACOUSTIC ATTENUATION
ACOUSTIC DUCTS
ACOUSTIC RETROFITTING
ACOUSTICS
AERODYNAMIC NOISE
AIRCRAFT NOISE
COAXIAL NOZZLES
DELAYED FLAP APPROACH
EAR PROTECTORS
ECHO SUPPRESSORS
EFFECTIVE PERCEIVED NOISE LEVELS
ELECTRICAL GROUNDING
ELECTROMAGNETIC INTERFERENCE
ELECTROMAGNETIC NOISE
FLIGHT RULES
GRAZING FLOW
HELMHOLTZ RESONATORS
INTERFERENCE IMMUNITY
ISOLATORS
JET AIRCRAFT NOISE
LOUDNESS
MUFFLERS

NOISE REDUCTION (CONT.)
PROPELLER NOISE
QUIET ENGINE PROGRAM
REDUCTION
SHOCK WAVE ATTENUATION
SILENCE
SQUELCH CIRCUITS
SUPPRESSORS
SYNCHROPHASING
VIBRATION ISOLATORS

NOISE SPECTRA
GS SPECTRA
NOISE SPECTRA
RT ACOUSTIC FREQUENCIES
BACKGROUND NOISE
CHANNEL NOISE
ELECTROMAGNETIC COMPATIBILITY
ELECTROMAGNETIC NOISE
ELECTROMAGNETIC SPECTRA
NOISE (SOUND)
RADIATION SPECTRA
RANDOM NOISE
RANDOM SIGNALS
SHOCK SPECTRA
SIGNAL TO NOISE RATIOS
WHITE NOISE

NOISE SUPPRESSEES
USE NOISE REDUCTION

NOISE TEMPERATURE
GS TEMPERATURE
NOISE TEMPERATURE
RT ELECTROMAGNETIC NOISE
ELECTRON ENERGY
ELECTRON STATES
TEMPERATURE MEASUREMENT
THERMAL NOISE

NONOMAD LAUNCH VEHICLE
GS LAUNCH VEHICLES
NONOMAD LAUNCH VEHICLE
ROCKET VEHICLES
SINGLE STAGE ROCKET VEHICLES
NONOMAD LAUNCH VEHICLE
RT ATLAS LAUNCH VEHICLES
LIQUID PROPELLANT ROCKET ENGINES

NONOMAD VALUES
USE APPROXIMATION

NONOMA/ogRMS
USE NOMOGRAPHS

NONOMA/OGRMS
UF ISOPLETHS
NONOMOGRAPHS
GS ANALYSIS (MATHEMATICS)
NUMERICAL ANALYSIS
NONOMOGRAPHS
RT CHARTS
GRAPH (CHARTS)

NONADIABATIC CONDITIONS
GS CONDITIONS
NONADIABATIC CONDITIONS
RT ENERGY TRANSFER
HEAT TRANSFER
NONADIABATIC PROCESSES
THERMODYNAMICS

NONADIABATIC PROCESSES
USE HEAT TRANSFER

NONADIABATIC THEORY
RT ADIABATIC EQUATIONS
CHARGED PARTICLES
ENERGY DISBLUTION
IONIZATION CROSS SECTIONS
MAGNETIC DISTURBANCES
THEORIES
WAVE PROPAGATION

NONCONDENSABLE GASES
GS GASES
NONCONDENSABLE GASES
RT CRITICAL TEMPERATURE
GAS-LIQUID INTERACTIONS
LIQUID FRACTION

NONDESTRUCTIVE TESTS
UF FLAW DETECTION
GS NONDESTRUCTIVE TESTS
OPTICAL MEASURING INSTRUMENTS

OPTICAL MEASURING INSTRUMENTS-(CONT.)

- OPTICS
- PHASE CONTRAST
- PHOTOGRAPHIC MEASUREMENT
- PHOTOMETERS
- POLARIZERS
- RAY CONTROLLERS
- REFLECTANCE
- REFLECTOMETERS
- REFRACTOMETERS
- RONCI TEST
- SPECTRAL SIGNATURES
- SPECTROHEATERS
- SPECTROPHOTOMETERS
- STROBOSCOPIES

OPTICAL MEASURING INSTRUMENTS

SN

(INSTRUMENTS UTILIZING OPTICAL PRINCIPLES FOR MEASUREMENT)

UF

OPTICAL SENSORS

GS

MEASURING INSTRUMENTS

- OPTICAL MEASURING INSTRUMENTS
  - CATHETEROMETERS
  - DIFFRACTOMETERS
  - EBERT SPECTROMETERS
  - ELLIPSOMETERS
  - ETALONS
  - GEOMETRISTERS
  - HAPLOSCOPES
  - INFRARED SPECTROMETERS
  - FILTER WHEEL INFRARED SPECTROMETERS
  - LIGHT SCATTERING METERS
  - MICRODENSITOMETERS
  - NEPHELOMETERS
  - OCULOMETERS
  - OPTICAL PYROMETERS
  - OPTICAL RANGE FINDERS
  - LASER RANGE FINDERS
  - PHOTOGRAPHIC MEASUREMENT
  - PHOTOMETERS
  - ELECTROPHOTOMETERS
  - ULTRAVIOLET SPECTROMETERS
  - TOTAL OZONE MAPPING SPECTROMETER
  - ULTRAVIOLET SPECTROMETERS
  - ULTRAVIOLET SPECTROMETERS
  - POLARIZERS
  - REFLECTOMETERS
  - MICROWAVE REFLECTOMETERS
  - REFRACTOROMETERS
  - SEXTANTS
  - SPECTROPHOTOMETERS
  - INFRARED SPECTROPHOTOMETERS
  - FILTER WHEEL INFRARED SPECTROMETERS
  - LIGHT SCATTERING METERS
  - MICRODENSITOMETERS
  - NEPHELOMETERS
  - OCULOMETERS
  - OPTICAL PYROMETERS
  - OPTICAL RANGE FINDERS
  - LASER RANGE FINDERS
  - PHOTOGRAPHIC MEASUREMENT
  - PHOTOMETERS
  - ELECTROPHOTOMETERS
  - ULTRAVIOLET SPECTROMETERS
  - TOTAL OZONE MAPPING SPECTROMETER
  - ULTRAVIOLET SPECTROMETERS
  - ULTRAVIOLET SPECTROMETERS
  - POLARIZERS
  - REFLECTOMETERS
  - MICROWAVE REFLECTOMETERS
  - REFRACTOROMETERS
  - SEXTANTS
  - SPECTROPHOTOMETERS
  - INFRARED SPECTROPHOTOMETERS
  - ULTRAVIOLET SPECTROMETERS

OPTICAL MEASURING INSTRUMENTS-(CONT.)

- TRANSITS
- THEODOLITES
- CINETHEDOLOLITES
- TRANSMISSIONS
- RT
- ABSORPTION SPECTROPHOTOMETERS
- CINEPHOTOMETERS
- COLORIMETY
- DENSITOMETERS
- FABRY-PEROT SPECTROMETERS
- FAINT OBJECT CAMERA
- GONIOMETERS
- GUIDANCE SENSORS
- INFRARED INTERFERREROMETERS
- INTERFERROMETERS
- MICROWAVE VELOCIMETERS
- MACH-ZEHNDER INTERFERREROMETERS
- MICROSCOPES
- MIRRO SYSTEM
- MONOCHROMATORS
- MULTISPETRAL TRACKING TELESCOPES
- RAY TRACING
- POLARIMETRY
- POLARISOMETERS
- RADIATION MEASURING INSTRUMENTS
- REFLECTING TELESCOPES
- REFLECTING TELESCOPES
- SELF FOCUSING
- SIDEBANDING POLARISOMETERS
- SOLAR INSTRUMENTS
- TELEPHOTOMETRY
- TELESCOPES

OPTICAL PYROMETERS

GS

MEASURING INSTRUMENTS

- OPTICAL MEASURING INSTRUMENTS
  - OPTICAL PYROMETERS
  - TEMPERATURE MEASURING
  - INSTRUMENTS
  - OPTICAL PYROMETERS
  - OPTICAL EQUIPMENT
  - OPTICAL MEASURING INSTRUMENTS
  - OPTICAL PYROMETERS
  - RT
  - OPTICS
- RADIATION PYROMETERS

OPTICAL RANGE FINDERS

GS

MEASURING INSTRUMENTS

- DISTANCE MEASURING EQUIPMENT
  - RANGE FINDERS
  - OPTICAL RANGE FINDERS
  - LASER RANGE FINDERS
  - OPTICAL MEASURING INSTRUMENTS
  - OPTICAL RANGE FINDERS
  - LASER RANGE FINDERS
  - OPTICAL EQUIPMENT
  - OPTICAL MEASURING INSTRUMENTS
  - OPTICAL RANGE FINDERS
  - LASER RANGE FINDERS
  - RT
  - OPTICS
- RADIATION PYROMETERS

OPTICAL SENSORS

USE

- OPTICAL MEASURING INSTRUMENTS

OPTICAL THICKNESS

UF

- OPTICAL DEPTH
- RT
- ANTIREFLECTION COATINGS
- PERMUT PRINCIPLE
- RT
- REFRACIVITY
- THICKNESS

OPTIMAL CONTROL

UF

- OPTIMUM CONTROL
- GS
- AUTOMATIC CONTROL
- LINEAR QUADRATIC REGULATOR
- LINEAR QUADRATIC GAUSSIAN
- TIME OPTIMAL CONTROL
- OPTIMIZATION
- RT
- ADAPTIVE CONTROL
- RT
- CONTROL
- SYSTEMS DESIGN
- CONTROL THEORY

OPTIMAL CONTROL-(CONT.)

- FEEDBACK CONTROL
- FEEDFORWARD CONTROL
- INVENTORY CONTROLS
- KALMAN-SCHMITZ FILTERING
- MODEL REFERENCE ADAPTIVE CONTROL
- PARAMETER IDENTIFICATION
- TRACKING PROBLEM
- TRAJECTORY CONTROL

OPTIMUM CONTROL

USE

OPTIMUM THRUST PROGRAMMING

USE

ORBITAL ASSEMBLY

UF

CONSTRUCTION IN SPACE

GS

ASSEMBLING

ORBITAL ASSEMBLY

RT

- EXPANDABLE STRUCTURES
- INFLATABLE SPACECRAFT
- SELF ERECTING DEVICES
- SPACE ERECTABLE STRUCTURES
- SPACE OPERATIONS CENTER (NASA)
- SPACE STATION STRUCTURES
- SPACECRAFT MODULES
- SPACECRAFT STRUCTURES

ORBITAL BREAKUP

USE

ORBITAL SHOTS

RT

- SHOT
- SPACECRAFT LAUNCHING

ORIFICE FLOW

GS

- FLUID FLOW
- ORIFICE FLOW
- RT
- CRITICAL FLOW
- FLOW
- GAS FLOW
- GRAZING FLOW
- LAMINAR FLOW
- LIQUID FLOW
- MULTIPHASE FLOW
- ORIFICES
- PIPE FLOW
- PRESSURE GRADIENTS
- SINGLE-PHASE FLOW
- STEADY FLOW
- STEAM FLOW
- SUBCRITICAL FLOW
- SUPERCRITICAL FLOW
- TURBULENT FLOW
- UNSTEADY FLOW

ORIFICES

RT

- ANNULAR DUCTS
- APERTURES
- CAVITIES
- CHOKES (FUEL SYSTEMS)
- CHOKES (RESTRICTIONS)
- DUCTS
- FLOW MEASUREMENT
- FLOWMETERS
- GAPS
- INJECTORS
- NOZZLES
- OPENINGS
- OPERATIONS
- ORIFICE FLOW
- PORTS (OPENINGS)
- SPRAY NOZZLES
- THROATS
- VENTURI TUBES

ORION (RADIO INTERFEROMETRY NETWORK)

RT

- RADIO INTERFEROMETERS
- RADIO RECEIVERS
- TRACKING NETWORKS

ORION AIRCRAFT

USE

P-3 AIRCRAFT

ORNITHOPTER AIRCRAFT

USE

RESEARCH AIRCRAFT

ORR-SOMMERFELD EQUATIONS

RT

- EQUATIONS
- FLOW DISTORTION
- FLOW STABILITY
PLASMA SHEATHS-(CONT.)

PLASMA SHEATHS
RT BLACKOUT (PROPAGATION)
BOUNDARY LAYER PLASMAS
ION SHEATHS
MAGNETOHYDRODYNAMIC SHEAR
HEATING
MAGNETO-SHEATHS
METALLIC PLASMAS
MISSILES
NONCOOLING PLASMAS
PLASMAS (PHYSICS)
REENTRY COMMUNICATION
REENTRY EFFECTS
REENTRY PHYSICS
SYSTEM GENERATED ELECTROMAGNETIC PULSES
UNCONTROLLED REENTRY (SPACECRAFT)

PLASMA SOUND WAVES
USE MAGNETOHYDRODYNAMIC WAVES
PLASMA WAVES

PLASMA STABILITY
USE MAGNETOHYDRODYNAMIC STABILITY

PLASTIC AIRCRAFT STRUCTURES
GS AIRCRAFT STRUCTURES
PLASTIC AIRCRAFT STRUCTURES
RT AIRCRAFT CONSTRUCTION MATERIALS
AIRCRAFT SURVIVABILITY
Boron-Epoxy Composites
GLASS FIBER REINFORCED PLASTICS
PLASTICS

PLASTIC BODIES
RT BEAMS (SUPPORTS)
= BODIES
CYLINDRICAL BODIES
ELASTIC BODIES
ELASTIC PLATES
ELASTOPLASTICITY
PLASTIC PROPERTIES
PLASTIC SHELLS
RIGID STRUCTURES

PLASTIC DEFORMATION
UF LUDER BANDS
USE PLASTIC DEFORMATION
GS DEFORMATION
RT = BANDS
BENDING
BORON PEAKS
CREEP PROPERTIES
CREEP TESTS
ELASTIC DEFORMATION
Elongation
J INTEGRAL
PLANE STRAIN
SHEAR CREEP
=SLIP
STRAIN DISTRIBUTION
STRESS PROPAGATION
STRESS RELAXATION
STRESS-STRAIN RELATIONSHIPS
STRETCHING
STRUCTURAL STRAIN
SUPERPLASTICITY
TEMPERATURE INVERSIONS
TENSILE CREEP
TENSILE DEFORMATION
THERMOELECTRIC TREATMENT
WARPAGE
WORK SOFTENING
YIELD STRENGTH

PLASTIC YIELDING
USE PLASTIC DEFORMATION

PLAT SYSTEM-(CONT.)

PLATE (METAL)
USE METAL PLATES

= PLATFORMS
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)
RT FLIGHT MECHANICS
FLOORS
FLYING PLATFORMS
GUIDANCE (MOTION)
INERTIAL PLATFORMS
LANDFALLS
LANDINGS
OFF-SHORE PLATFORMS
SILAS
SOCKETERS
SPACE PLATFORMS
SPACE STATIONS
STABILIZED PLATFORMS
SUPPS
SYNCHRONOUS PLATFORMS

PLAYBACKS
RT MAGNETIC TAPES
= RECODERS
RECORDING
RECORDS
TAPES
VIDEO DISKS

PLENUMS CHAMBERS
RT AIR INTAKES
= CHAMBERS
Ducts
EXHAUST SYSTEMS
FUEL, ST. SYSTEMS
INTAKE SYSTEMS
MANIFOLDS
WATER INTAKES

PLEXIGLASS (TRAEDMARK)
USE POLYMETHYL METHACRYLATE
PLIES
USE LAYERS

=Plots
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)
RT CHARTS
DISPLAY DEVICES
PLOTTERS
PLOTTING
SITES

PLOTTERS
UF PLOTTING INSTRUMENTS
GS RECORDING INSTRUMENTS
RT PLANE
. . . X-Y PLOTTERS
RT COMPUTER GRAPHICS
DIGITAL TO ANALOG CONVERTERS
DISPLAY DEVICES
NAVIGATION AID
PERIPHERAL EQUIPMENT (COMPUTERS)
PLOTS
PLOTTING
POSITION INDICATORS
PRINTERS
REMOTE CONSOLES

PLOTTING
RT ANALOG TO DIGITAL CONVERTERS
DISPLAY DEVICES
PLOTS
PRINTING
RECORDING

PODS (EXTERNAL STORES)

POD SYSTEMS-(CONT.)

SHOCK WAVES

PLUTO REACTORS
GS NUCLEAR REACTORS
PLUTO REACTORS
RT NUCLEAR RAMJET ENGINES
NUCLEAR ROCKET ENGINES
SUPERSONIC LOW ALTITUDE MILSE

PLUVIOGRAPHS
USE RAIN GAGES
RECORDING INSTRUMENTS

PNEUMATIC CIRCUITS
GS CIRCUITS
PNEUMATIC CIRCUITS

PNEUMATIC EQUIPMENT
GS PNEUMATIC EQUIPMENT
RT AIR BAG RESTRAINT DEVICES
COMPRESSED AIR
CUSHIONS
= EQUIPMENT
FLUID AMPLIFIERS
FLUID POWER
FLUID SWITCHING ELEMENTS
FLUIDICS
GAS GENERATORS
GOAL DETECTOR CELLS
INFLATABLE STRUCTURES
= NETWORKS
SERVOCONTROL
SREVOMECHANISMS
SHOCK ABSORBERS
= SYSTEMS
VALVES

PNEUMATIC PROBES
GS MEASURING INSTRUMENTS
. . . TEMPERATURE MEASURING INSTRUMENTS
. . . TEMPERATURE PROBES
. . . PNEUMATIC PROBES
RT FLOW MEASUREMENT
HIGH TEMPERATURE GASES
MASS FLOW RATE
NOZZLE FLOW
PRESSURE MEASUREMENT

PNEUMATIC RESET
USE PNEUMATIC CONTROL

PNEUMATICS
GS FLUID MECHANICS
PNEUMATICS
RT FLOW THEORY
FLUID POWER
FLUIDICS
GASES
HYDRAULICS

PODS (EXTERNAL STORES)
GS EXTERNAL STORES
. . . PODS (EXTERNAL STORES)
RT COWLING
EXTERNAL STORE SEPARATION
FUEL TANKS
NACELLES
WING FUSELAGE STORES
POSITION (LOCATION)-(CONT.)
- DETECTION
- SPHEREMERIDES
- EXPOSURE
- FIXING
- GEOMETRY
- LATITUDE
- LONGITUDE
- MEASUREMENT
- NAVIGATION
- ORBITAL POSITION ESTIMATION
- ORIENTATION
- POINTS
- POSITION ERRORS
- POSITION SENSING
- POSITIONING
- RADAR BEACONS
- SITES
- SOUND RANGING
- SPATIAL DISTRIBUTION
- SPHERICAL COORDINATES
- STATIONS
- SURVEYS
- TRACKING (POSITION)

POSITION ERRORS
- GS ERRORS
  - POSITION ERRORS
  - BORESIGHT ERROR
- RT
  - ASTROCLABS
  - ERROR SIGNALS
  - NAVIGATION
  - OPTICAL CORRECTION PROCEDURE
  - ORBITAL POSITION ESTIMATION
  - POSITIONING
  - VELOCITY ERRORS

POSITION INDICATORS
- GS
  - DISPLAY DEVICES
  - POSITION INDICATORS
    - PLAN POSITION INDICATORS
    - RADIO DIRECTION FINDERS
    - SPACECRAFT POSITION INDICATORS
  - MEASURING INSTRUMENTS
    - INDICATING INSTRUMENTS
    - POSITION INDICATORS
    - PLAN POSITION INDICATORS
    - RADIO DIRECTION FINDERS
    - SPACECRAFT POSITION INDICATORS

- RT
  - AIRCRAFT INSTRUMENTS
    - ALTIMETERS
    - BEACONS
    - DISTANCE MEASURING EQUIPMENT
    - FLIGHT INSTRUMENTS
    - GLOBAL POSITIONING SYSTEM
    - HEAD-UP DISPLAYS
    - NAVIGATION AIDS
    - NAVIGATION INSTRUMENTS
    - PLOTTERS
    - POSITION SENSING
    - RANGE FINDERS
    - ROCKET-BORNE INSTRUMENTS
    - SEYANTS
    - SOLAR COMPASSES
    - SOUND LOCALIZATION

POSITION SENSING
- RT
  - COMPUTER VISION
  - ELECTRO-OPTICS
  - POSITION LOCATION
  - POSITION INDICATORS
  - ROBOTICS

POSITIONING DEVICES (MACHINERY)
- GS
  - POSITIONING DEVICES (MACHINERY)
    - CAMS
    - CAMS
    - DEVICES
    - HOLDERS
    - JACKS (LIFTS)
    - MACHINERY

- RT
  - ASCENT TRAJECTORIES
  - PROPULSION
  - PROPULSION SYSTEM CONFIGURATIONS
  - ROCKET ENGINES
  - SPACECRAFT PROPULSION
  - SYSTEMS

- POST BOOST PROPULSION SYSTEM

- RT
  - ASCENT TRAJECTORIES
  - PROPULSION
  - PROPULSION SYSTEM CONFIGURATIONS
  - ROCKET ENGINES
  - SPACECRAFT PROPULSION
  - SYSTEMS
  - TRAJECTORY CONTROL

POSTFLIGHT ANALYSIS
- RT
  - ANALYZING
  - PERFORMANCE

- POSTMISSION ANALYSIS (SPACECRAFT)
- RT
  - FLIGHT TESTS

POTENTIAL FLOW
- GS
  - IRROTATIONAL FLOW
  - FLUID FLOW
  - POTENTIAL FLOW
  - EQUIPOTENTIALS
  - CARTAN SPACE
  - HEAT TRANSMISSION
  - INVISID FLOW
  - VORTICITY

POTENTIAL GRADIENTS
- GS
  - GRADIENTS

  - POTENTIAL GRADIENTS
  - PRESSURE GRADIENTS
  - TEMPERATURE GRADIENTS

POWERTED AIRCRAFT
- RT
  - AIRCRAFT

  - POWER

  - SN

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

  - RT

  - ELECTRIC GENERATORS
  - FLUID POWER
  - FLUX (RATE)
  - FLUX DENSITY
  - HORSEPOWER
  - RESOLUTION
  - THRUST

POWERED LIFT AIRCRAFT
- RT
  - AIRCRAFT

  - EXTERNALLY BLOWN FLAPS
  - SHORT TAKEOFF AIRCRAFT
  - VERTICAL TAKEOFF AIRCRAFT

PPL (POSITION INDICATORS)
- USE
  - PLAN POSITION INDICATORS

PRANDTL-NUMBER EXPANSION
- GS
  - DIMENSIONLESS NUMBERS
  - PRANDTL NUMBER

  - RT

  - FORCED CONVECTION
  - GRASHOF NUMBER
  - HEAT TRANSFER
  - INVISID FLOW
  - MOMENTUM TRANSFER
  - NUSSELT NUMBER
  - PECLET NUMBER
  - REYNOLDS NUMBER
  - SCHMIDT NUMBER
  - THERMODYNAMIC PROPERTIES
  - VISCOS FLOW

PRANDTL-MEYER EXPANSION
- GS
  - EXPANSION
  - PRANDTL-MEYER EXPANSION
  - BLASius EQUATION
  - FALKNER-SKAN EQUATION
  - FLOW DEFORMATION
  - LAMINAR FLOW
  - METHOD OF CHARACTERISTICS

PREHEATING
- USE
  - HEATING

PREMIXED FLAMES
- GS
  - FLAMES
  - PREMIXED FLAMES

  - RT

  - CARBURETORS
  - FLAME PROPAGATION
  - GAS MIXTURES
  - MIXING
  - PREMIXING

PREMIXING
- GS
  - MIXING

  - PREMIXING

  - RT

  - FUEL-AIR RATIO
  - FUELS
  - GAS MIXTURES
  - HOMOGENIZING
  - IGNITION
  - JET MIXING FLOW
  - PREMIXED FLAMES
  - SPRAYING

PREPROCESSING
- RT

  - DATA PROCESSING
  - DATA REDUCTION
  - IMAGE PROCESSING

PRESSURE
- GS
  - PRESSURE

  - SURFACE PRESSURE
  - ATMOSPHERIC PRESSURE
  - BASE PRESSURE
  - BLOOD PRESSURE
  - DIABATIC PRESSURE
  - HYPERTENSION
  - HYPERTENSION
  - LOWER BODY NEGATIVE PRESSURE
  - SYSTOLIC PRESSURE
  - CRITICAL PRESSURE
  - DENSIFICATION

PRESSURE

PRANDTL-MEYER EXPANSION-(CONT.)
- NEWTON PRESSURE LAW
- SUPERSONIC FLOW
- TWO DIMENSIONAL FLOW

PRECISION
- GS
  - GYRO
  - PRECISION
  - LAMOR PRECISION
  - PROTON PRECISION
  - QUENCHING (ATOMIC PHYSICS)

  - RT

  - EARTH ORIENTATION
  - GYROSCOPES
  - GYROSCOPIC STABILITY
  - LAMOR RADIUS
  - LIBRATION
  - MUON SPIN ROTATION
  - NUTATION
  - POLAR WANDER TO GEODES
  - ROTATION
  - VORTEX PRECISION

PRECOOLING
- GS
  - COOLING

  - PRECOOLING

  - RT

  - REGENERATIVE COOLING

PREDICTOR-CORRECTOR METHODS
- GS
  - ANALYSIS (MATHEMATICAL)
  - APPROXIMATION
  - PREDICTOR-CORRECTOR METHODS
  - ITERATION
  - PREDICTOR-CORRECTOR METHODS

PREPROCESSING
- RT

  - DATA PROCESSING
  - DATA REDUCTION
  - IMAGE PROCESSING

PRESSURE
- GS
  - PRESSURE

  - SURFACE PRESSURE
  - ATMOSPHERIC PRESSURE
  - BASE PRESSURE
  - BLOOD PRESSURE
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  - HYPERTENSION
  - HYPERTENSION
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QUIET ENGINE PROGRAM
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NOISE REDUCTION

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RA-28 ENGINE

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USE RADIO ALTIMETERS

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GS ANTENNAS
DIRECTIONAL ANTENNAS
RADAR ANTENNAS
RADAR EQUIPMENT
RADAR ANTENNAS
RT AIRCRAFT ANTENNAS
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DIPOLE ANTENNAS
DISHHOUSES (ELECTRONICS)
HIGH RESOLUTION COVERAGE ANTENNAS
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AIRBORNE RAPCON RADAR APPROACH CONTROL
AIRCRAFT GUIDANCE
APPROACH INDICATORS
=CONTROL
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LANDING RADAR
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RADAR HOMING MISSILES
GS MISSILES
RADAR HOMING MISSILES
RT MILITARY TECHNOLOGY
MISSILE CONTROL
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RADAR MEASUREMENT
RT ALTIMETRY
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=MEASUREMENT

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RADAR NAVIGATION
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AIRCRAFT GUIDANCE
ALL-WEATHER AIR NAVIGATION
AUTOPILOT FLIGHT CONTROL
CELESTIAL NAVIGATION
COLLISION AVOIDANCE
DEAD RECKONING
DISTANCE
DISTANCE MEASURING EQUIPMENT
DOPPLER NAVIGATION
DOPPLER RADAR
DOPPLER-FIZEAU EFFECT
GROUND BASED CONTROL
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INTERPLANETARY NAVIGATION
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RADAR NAVIGATION
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USE DRAINAGE PATTERNS

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GS FLUID FLOW
RADIAL FLOW
RT AXIAL FLOW
CENTRIFUGAL COMPRESSORS
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GAS FLOW
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TWO DIMENSIONAL FLOW

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GS HEATING
RADIAN T HEATING
RT =ENERGY
GAS HEATING
=RADATION
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RADATIVE HEAT TRANSFER
RADATIVE TRANSFER
SOLAR HEATING

RADATION HEATING
USE RADIAN T HEATING

RADATION NOISE
USE ELECTROMAGNETIC NOISE

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DENSITY-DYNES/CM-SEC)
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RT HEAT TRANSMISSION
HEAT HEATING
RADATIVE HEAT TRANSFER
RT CONCENTRATORS
CONVECTIVE HEAT TRANSFER
COOLING FINS
HEAT RADIATORS
HEAT TRANSMISSION
NEAR INFRARED RADIATION
RADIANT HEATING
RADIANT HEATING
SATELLITE HEATING
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RT ATMOSPHERIC CORRECTION
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RADATION
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RADIO STARS
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STELLAR RADIATION

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HEAT RADIATORS
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GS FLIGHT INSTRUMENTS
RADAR ALTIMETERS
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UF RADIO RANGES
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. OMNIDIRECTIONAL RADIO RANGES
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GEMINI SPACECRAFT
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DISCOVERY ORBITER
ENDAVAOIR (ORBITER)
ENTERPRISE (ORBITER)
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Buran Space Shuttle
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VOSTOK SPACECRAFT
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TRAILBLAZER 2 REENTRY VEHICLE
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GS CELESTIAL BODIES
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MICROWAVE REFLECTOMETERS
OPTICAL EQUIPMENT
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- RESEARCH PROJECTS
  SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)
  RT CHINESE SPACE PROGRAM
  EARTH & OCEAN PHYSICS
  APPLICATIONS PROGRAM
  FRENCH SPACE PROGRAM
  INDIAN SPACE PROGRAM
  JAPANESE SPACE PROGRAM
  NASA PROGRAMS
  PROJECT MANAGEMENT
  PROJECTS
  RESEARCH
  RESEARCH AND DEVELOPMENT
  RESEARCH FACILITIES
  SPACE PROGRAMS
  SPHINX

- RESISTANCE
  SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)
  RT ABRASION RESISTANCE
  ACCELERATION TOLERANCE
  ACOUSTIC PROPERTIES
  AERODYNAMIC DRAG
  CHEMICAL PROPERTIES
  CONSTRUCTIONS
  CONTACT RESISTANCE
  CORROSION RESISTANCE
  CRACK PROPAGATION
  CREEP STRENGTH
  DAMPING
  DIFFUSIVITY
  DURABILITY
  EARTHQUAKE RESISTANCE
  ELECTRICAL PROPERTIES
  ELECTRICAL RESISTANCE
  ELECTRICAL RESISTIVITY
  FLAMMABILITY
  FLOW RESISTANCE
  FRACTURE STRENGTH
  FUSIBILITY
  IMMUNITY
  IMPACT RESISTANCE
  IMPEDANCE
  KAPITZ RESISTANCE
  LIFE (DURABILITY)
  LOW RESISTANCE
  MAGNETORESISTIVITY
  MOISTURE RESISTANCE
  NEGATIVE RESISTANCE CIRCUITS
  NEGATIVE RESISTANCE DEVICES
  OXIDATION RESISTANCE
  PERMEABILITY
  PREVENTION
  PROTECTION
  QUALITY
  RADIATION TOLERANCE
  RESISTANCE THERMOMETERS
  RETARDING
  SENSITIVITY
  SHOCK RESISTANCE
  SKIN RESISTANCE
  STABILITY
  THERMAL RESISTANCE
  TOLERANCES (PHYSIOLOGY)
  TRANSCONDUCTANCE
  VULNERABILITY
  WAVE RESISTANCE
  WEAR RESISTANCE
  USE RESISTANCE

- RESISTANCE COEFFICIENTS
  SN RESISTANCE
  USE RESISTANCE

- RESISTANCE HEATING
  SN JOULE HEATING
  RT ARC HEATING
  ELECTROSARC REFINING
  GAS HEATING
  LEVITATION MELTING

- RESISTANCE THERMOMETERS
  SN MEASURING INSTRUMENTS
  USE TEMPERATURE MEASURING INSTRUMENTS

- RESISTANCE THERMOMETERS-(CONT.)
  USE THERMOMETERS
  USE RESISTANCE THERMOMETERS

- RESISTOJET ENGINES
  SN RESISTOJETS
  USE RESISTOJET ENGINES

- RESOLUTION
  USE RESOLUTION

- RETARDANTS
  SN RETARDANTS
  USE RETARDANTS

- RETARDATION
  USE RETARDATION

- RETARDING
  USE RETARDING

- RECURRENT ROCKET ENGINES-(CONT.)
  USE LIQUID PROPELLANT ROCKET ENGINES
  NUCLEAR ROCKET ENGINES
  RETRO ROCKET ENGINES
  SOLID PROPELLANT ROCKET ENGINES
  SUSTAINER ROCKET ENGINES
  TURBOROCKET ENGINES
  VERNIER ENGINES

- RESTRICTIONS
  USE CONSTRUCTIONS

- RETAINING
  USE RETAINING

- RESEARCH
  USE RESEARCH

- RETROCURVE
  USE RETROCURVE

- RETROFIRING
  USE RETROFIRING

- RETROFIRED
  USE RETROFIRED

- RETROGRADE
  USE RETROGRADE

- RETROFIRED ROCKET ENGINES
  USE RETROFIRED ROCKET ENGINES

- RETROFIRED ROCKET ENGINES-(CONT.)
  USE RETROFIRED ROCKET ENGINES

- RESTRICTED
  USE RESTRICTED

- RESTRICTED
  USE RESTRICTED

- RESTRICTED
  USE RESTRICTED
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ROLL CONTROL

<table>
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ROLLING

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<td>(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)</td>
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ROLLING MOMENTS

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<td>STABILITY DERIVATIVES</td>
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<td>RT AERODYNAMIC COEFFICIENTS</td>
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ROOMS

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<td>CLEAN ROOMS</td>
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<td>ENCLOSURES</td>
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ROOMS (RT)

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ROSSKO PREDICTION

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<td>PREDICTIONS</td>
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<tr>
<td>RT BLUFF BODIES</td>
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ROSSBY REGIMES

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ROTARY AIRCRAFT

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ROTARY AIRCRAFT

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SABRE AIRCRAFT

SAAB 37 AIRCRAFT
- JET AIRCRAFT
- TURBOFAN AIRCRAFT
- MISSILE SYSTEMS
- SAFETY DEVICES
- SATELLITE SYSTEMS
- SATURN PROJECT

SAAB 37 AIRCRAFT (CONT.)
- USE F-66 AIRCRAFT
- USE T-39 AIRCRAFT

SAFEGUARD SYSTEM
- WEAPON SYSTEMS
- MISSILE SYSTEMS
-システム
- SAFEguard SYSTEM
- バリアンス
- 機のための
- システム
- 保護
- システム
- UNITS
- SAFEguard SYSTEM
- バリアンス
- 機のための
- システム
- 保護
- システム
- UNITS

SAFETY DEVICES
- SPACECRAFT LAUNCH VEHICLE (CONT.)
- SATURN LAUNCH VEHICLES
- GS LAUNCH VEHICLES
- RT F-1 ROCKET ENGINE
- RL-10 ENGINES
- VEHICLES

SAIL PLANES
- USE GLIDERS

SAILS
- GS SAILS
- SOLAR SAILS
- RT FINS
- GLIDERS
- TAIL ASSEMBLIES

SAILWINGS
- USE PRINCETON SAILWINGS
- SAILWINGS
- RT GLIDERS
- HANG GLIDERS
- KA-6 SAILPLANES

SALT SPRAY TESTS
- GS CHEMICAL TESTS
- SALT SPRAY TESTS
- RT CORROSION RESISTANCE
- SALT SPRAY TESTS
- RT CORROSION RESISTANCE
- SPRAY INJECTION
- STRESS CORROSION
- TESTS

SAMARITAN AIRCRAFT
- USE C-131 AIRCRAFT

SANDBOARD TARGET MISSILE
- GS MISSILE CONFIGURATIONS
- SANDBOARD TARGET MISSILE
- RT DRONE VEHICLES
- TARGETS

SATELLITE ALTIMETRY
- GS ALTIMETRY
- RT ALTIMETERS
- GEODES
- GEODETIC SATELLITES
- GEOS
- GEOSAT SATELLITES
- RADAR MEASUREMENT
- SATELLITE OBSERVATION
- SATELLITE-BORNE RADAR
- SEASAT SATELLITES
- TOPOGRAPHY

SATellite ATTITUDE DISTURBANCE
- USE ATTITUDE STABILITY
- SPACECRAFT STABILITY

SATellite BREAKUP
- USE SPACECRAFT BREAKUP

SATellite DRAG
- GS DYNAMIC CHARACTERISTICS
- DRAG
- RT AERODYNAMIC DRAG
- ELECTROSTATIC DRAG
- FRICTION DRAG

SATellite FRAgmentation
- USE SPACECRAFT BREAKUP

SATellite LAUNCHING
- USE SPACECRAFT LAUNCHING

SATellite NAVIGATION SYSTEMS
- GS SATellite NAVIGATION SYSTEMS
- RT AUTONOMOUS NAVIGATION
- SATellite NAVIGATION SYSTEMS
- NAVIGATION SATELLITES
- RADAR NAVIGATION
- RADIO NAVIGATION
- SPACE NAVIGATION
- SYSTEMS

SATURN D LAUNCH VEHICLE
- GS LAUNCH VEHICLES
- SATURN D LAUNCH VEHICLES

SATURN D LAUNCH VEHICLE (CONT.)
- SATURN D LAUNCH VEHICLE
- MULTISTAGE ROCKET VEHICLES
- SATURN LAUNCH VEHICLES
- SATURN D LAUNCH VEHICLE

SATURN LAUNCH VEHICLES
- GS LAUNCH VEHICLES
- SATURN LAUNCH VEHICLES
- SATURN D LAUNCH VEHICLES
- SATURN 1 LAUNCH VEHICLES
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- SATURN 1 LAUNCH VEHICLES
SATURN 5/4 STAGE (CONT.)

SATURN 1 SA-4 LAUNCH VEHICLE
GS LAUNCH VEHICLES
- Saturn 1 SA-4 LAUNCH VEHICLES
- Saturn 1 SA-3 LAUNCH VEHICLES
- Saturn 1 SA-2 LAUNCH VEHICLES
- Saturn 1 SA-A LAUNCH VEHICLES
- Saturn 1 SA-1 LAUNCH VEHICLES
- Saturn 1 SA-0 LAUNCH VEHICLES
- Saturn 1 SA-1 LAUNCH VEHICLE

RT LIQUID PROPELLANT ROCKET ENGINES

SATURN 5-4 STAGE
GS ROCKET VEHICLES
- Saturn 5-4 Launch Vehicles

SATURN STAGES
GS ROCKET VEHICLES
- Saturn 5-1 Stage
- Saturn 5-2 Stage
- Saturn 5-3 Stage
- Saturn 5-4 Stage
- Saturn 5-5 Stage
- Saturn 5-6 Stage
- Saturn 5-7 Stage
- Saturn 5-8 Stage
- Saturn 5-9 Stage
- Saturn 5-10 Stage

RT LIQUID PROPELLANT ROCKET ENGINES

SATURN 1 LAUNCH VEHICLES
GS LAUNCH VEHICLES
- Saturn 1 Launch Vehicles
- Saturn 1 SA-4 Launch Vehicles
- Saturn 1 SA-3 Launch Vehicles
- Saturn 1 SA-2 Launch Vehicles
- Saturn 1 SA-1 Launch Vehicles
- Saturn 1 SA-0 Launch Vehicles
- Saturn 1 SA-1 Launch VEHICLE

RT H-1 ENGINE
M-1 ENGINE

SATURN 1 SA-1 LAUNCH VEHICLE
GS LAUNCH VEHICLES
- Saturn 1 SA-1 Launch Vehicles
- Saturn 1 SA-0 Launch Vehicles

RT H-1 ENGINE
J-2 ENGINE
M-1 ENGINE
SKYLAB 2
SKYLAB 3
SKYLAB 4

SATURN 1 SA-2 LAUNCH VEHICLE
GS LAUNCH VEHICLES
- Saturn 1 SA-2 Launch Vehicles
- Saturn 1 SA-1 Launch Vehicles
- Saturn 1 SA-0 Launch Vehicles

RT H-1 ENGINE
J-2 ENGINE
M-1 ENGINE
SKYLAB 2
SKYLAB 3
SKYLAB 4

SATURN 1 SA-3 LAUNCH VEHICLE
GS LAUNCH VEHICLES
- Saturn 1 SA-3 Launch Vehicles
- Saturn 1 SA-2 Launch Vehicles
- Saturn 1 SA-1 Launch Vehicles
- Saturn 1 SA-0 Launch Vehicles

SATURN 1 SA-4 LAUNCH VEHICLE
GS LAUNCH VEHICLES
- Saturn 1 SA-4 Launch Vehicles
- Saturn 1 SA-3 Launch Vehicles
- Saturn 1 SA-2 Launch Vehicles
- Saturn 1 SA-1 Launch Vehicles
- Saturn 1 SA-0 Launch Vehicles

RT J-2 ENGINE
SKYLAB 2
SKYLAB 3
SKYLAB 4

SATURN 1 SA-5 LAUNCH VEHICLE
GS LAUNCH VEHICLES
- Saturn 1 SA-5 Launch Vehicles
- Saturn 1 SA-4 Launch Vehicles
- Saturn 1 SA-3 Launch Vehicles
- Saturn 1 SA-2 Launch Vehicles
- Saturn 1 SA-1 Launch Vehicles
- Saturn 1 SA-0 Launch Vehicles

RT J-2 ENGINE
SKYLAB 2
SKYLAB 3
SKYLAB 4

SATURN 1 SA-6 LAUNCH VEHICLE
GS LAUNCH VEHICLES
- Saturn 1 SA-6 Launch Vehicles
- Saturn 1 SA-5 Launch Vehicles
- Saturn 1 SA-4 Launch Vehicles
- Saturn 1 SA-3 Launch Vehicles
- Saturn 1 SA-2 Launch Vehicles
- Saturn 1 SA-1 Launch Vehicles
- Saturn 1 SA-0 Launch Vehicles

RT J-2 ENGINE
SKYLAB 2
SKYLAB 3
SKYLAB 4

SATURN 1 SA-7 LAUNCH VEHICLE
GS LAUNCH VEHICLES
- Saturn 1 SA-7 Launch Vehicles
- Saturn 1 SA-6 Launch Vehicles
- Saturn 1 SA-5 Launch Vehicles
- Saturn 1 SA-4 Launch Vehicles
- Saturn 1 SA-3 Launch Vehicles
- Saturn 1 SA-2 Launch Vehicles
- Saturn 1 SA-1 Launch Vehicles
- Saturn 1 SA-0 Launch Vehicles

RT J-2 ENGINE
SKYLAB 2
SKYLAB 3
SKYLAB 4

SATURN 1 SA-8 LAUNCH VEHICLE
GS LAUNCH VEHICLES
- Saturn 1 SA-8 Launch Vehicles
- Saturn 1 SA-7 Launch Vehicles
- Saturn 1 SA-6 Launch Vehicles
- Saturn 1 SA-5 Launch Vehicles
- Saturn 1 SA-4 Launch Vehicles
- Saturn 1 SA-3 Launch Vehicles
- Saturn 1 SA-2 Launch Vehicles
- Saturn 1 SA-1 Launch Vehicles
- Saturn 1 SA-0 Launch Vehicles

RT J-2 ENGINE
SKYLAB 2
SKYLAB 3
SKYLAB 4

SATURN 1 SA-9 LAUNCH VEHICLE
GS LAUNCH VEHICLES
- Saturn 1 SA-9 Launch Vehicles
- Saturn 1 SA-8 Launch Vehicles
- Saturn 1 SA-7 Launch Vehicles
- Saturn 1 SA-6 Launch Vehicles
- Saturn 1 SA-5 Launch Vehicles
- Saturn 1 SA-4 Launch Vehicles
- Saturn 1 SA-3 Launch Vehicles
- Saturn 1 SA-2 Launch Vehicles
- Saturn 1 SA-1 Launch Vehicles
- Saturn 1 SA-0 Launch Vehicles

RT J-2 ENGINE
SKYLAB 2
SKYLAB 3
SKYLAB 4

SATURN 1 SA-10 LAUNCH VEHICLE
GS LAUNCH VEHICLES
- Saturn 1 SA-10 Launch Vehicles
- Saturn 1 SA-9 Launch Vehicles
- Saturn 1 SA-8 Launch Vehicles
- Saturn 1 SA-7 Launch Vehicles
- Saturn 1 SA-6 Launch Vehicles
- Saturn 1 SA-5 Launch Vehicles
- Saturn 1 SA-4 Launch Vehicles
- Saturn 1 SA-3 Launch Vehicles
- Saturn 1 SA-2 Launch Vehicles
- Saturn 1 SA-1 Launch Vehicles
- Saturn 1 SA-0 Launch Vehicles

RT J-2 ENGINE
SKYLAB 2
SKYLAB 3
SKYLAB 4

SCAR PROGRAM

SUGAR AIRCRAFT
USE A-2 AIRCRAFT

SATTOOTH WAVEFORMS
GS WAVEFORMS
RT PULSE AMPLITUDE
PULSE DURATION
SQUARE WAVES

SC-1 AIRCRAFT
UF SHORT SC-1 AIRCRAFT
GS JET AIRCRAFT
- SC-1 AIRCRAFT
- SC-1 AIRCRAFT
- SC-1 AIRCRAFT
- SC-1 AIRCRAFT
- SC-1 AIRCRAFT
- V/STOL AIRCRAFT
- VERTICAL TAKEDOFF AIRCRAFT
- SC-1 AIRCRAFT

SC-5 AIRCRAFT
UF BELFAST AIRCRAFT
SHORT BELFAST C MK-1 AIRCRAFT
SHORT SC-5 AIRCRAFT
GS JET AIRCRAFT
TURBOPROP AIRCRAFT
SC-5 AIRCRAFT
SC-5 AIRCRAFT
SC-5 AIRCRAFT
TRANSPORT AIRCRAFT
SC-5 AIRCRAFT

SC-7 AIRCRAFT
UF SHORT SC-7 AIRCRAFT
SKYVAN AIRCRAFT
TURBO-SKYVAN AIRCRAFT
GS LIGHT AIRCRAFT
SC-7 AIRCRAFT
SC-7 AIRCRAFT
TRANSPORT AIRCRAFT
SC-7 AIRCRAFT

SCALE
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
RT SCALE (CORPORATE)
SCALE (RATIO)
TEMPERATURE SCALES
WEIGHT INDICATORS

SCALE EFFECT
RT EFFECTS
FORCE DISTRIBUTION
PARAMETERIZATION
REYNOLDS NUMBER
SCALING

SCALE MODELS
GS MODELS
- SCALE MODELS
RT AERODYNAMIC CONFIGURATIONS
AIRCRAFT MODELS
REYNOLDS EQUATION
SCALING LAWS
SEMISPAN MODELS
SIMILARITY THEOREM
SIMILITUDE LAW
SPACECRAFT MODELS
WIND TUNNEL MODELS

SCAR PROGRAM
USE SUPersonic CRUISE AIRCRAFT
RESEARCH

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SERVICE MODULES

SELF ADAPTIVE CONTROL SYSTEMS-(CONT.)
=CONTROL
=SYSTEMS

SELF ALIGNMENT
GS ALIGNMENT
RT ACTIVE CONTROL
MODEL REFERENCE ADAPTIVE CONTROL

SELF CALIBRATING OMNIRANGE
UF SCORE OMNIRANGE
GS NAVIGATION AIDS
BEACONS
. . . OMNIDIRECTIONAL RADIO RANGES
=. SELF CALIBRATING OMNIRANGE
= RADIO EQUIPMENT
= RADIO TRANSMITTERS
. . . OMNIDIRECTIONAL RADIO RANGES
= SELF CALIBRATING OMNIRANGE
= TRANSMITTERS
= RADIO TRANSMITTERS
. . . OMNIDIRECTIONAL RADIO RANGES
= SELF CALIBRATING OMNIRANGE
RT SOLAR COMPASSES

SELF DEPLOYING SPACE STATIONS
USE SELF ERECTING DEVICES
= SPACE STATIONS

SELF ERECTING DEVICES
UF SELF DEPLOYING SPACE STATIONS
RT = AUTOMATION
= DEVICES
= EQUIPMENT
= INFLATABLE SPACECRAFT
= INFLATABLE STRUCTURES
= ORBITAL ASSEMBLY
= SPACE ERECTABLE STRUCTURES

SELF INITIATED ANTI-AIRCRAFT MISSILES
USE SIAM MISSELS

SELF REGULATING
USE AUTOMATIC CONTROL

SELF SEATING
GS SEATING
RT FLIGHT SAFETY
= FUEL SYSTEMS
= RUPTURING
= SUPPORT SYSTEMS

SELF TESTS
RT = AUTOMATIC TEST EQUIPMENT
= AVIONICS
= CHECKOUT
= ELECTRONIC EQUIPMENT TESTS
= FAIL-SAFE SYSTEMS
= TESTS

SEMISSPAN MODELS
GS MODELS
RT SEMISSPAN MODELS
= AERODYNAMIC CONFIGURATIONS
= AIRCRAFT MODELS
= SCALE MODELS
= WIND TUNNEL MODELS

SENECA AIRCRAFT
USE PA-34 SENECA AIRCRAFT

SENSIBILITY
USE SENSITIVITY

SENSITIVITY
UF INSENSITIVITY
GS SENSITIVITY
= ANAPHYLAXIS
= IMPACT RESISTANCE
= NOTCH SENSITIVITY
= PAIN SENSITIVITY
= PHOTOSENSITIVITY

SENSITIVITY-(CONT.)
= LIGHT ADAPTATION
= PHOTOTROPISM
= PROPELLANT SENSITIVITY
= RADIATION TOLERANCE
= SENSITOMETRY
= SPECTRAL SENSITIVITY
RT ACOUSTICITY
= ADAPTATION
= AMPLIFICATION
= AUDITORY PERCEPTION
= DYNAMIC CHARACTERISTICS
= DYNAMIC RESPONSE
= FREQUENCY RESPONSE
= ITCHING
= PERCEPTION
= PRECISION
= RANGE (EXTREMES)
= REACTION TIME
= RESISTANCE
= RESOLUTION
= SENSITIVITY
= SHOCK RESISTANCE
= SHOCKING
= SENSITIVITY (PERCEPTION)
= SENSITIVITY (MECHANICS)
= TRANSFER FUNCTIONS
= TRANSIENT RESPONSE
= VISIBILITY
= VULNERABILITY

SEPARATED FLOW
UF FLOW SEPARATION
GS FLUID FLOW
= VISCOSITY FLOW
= BOUNDARY LAYER FLOW
= SEPARATED FLOW
= SEPARATION
= SURFACE ROUGHNESS EFFECTS
= TURBULENCE EFFECTS
= VORTEX FLAPS

SEPARATION-(CONT.)
= ELECTROSTATIC PRECIPITATORS
= ELUTION
= ELUTION
= EVAPORATION
= EXCHANGING
= EXCLUSION
= EXTERNAL STORE SEPARATION
= EXTRACTION
= FILTRATION
= FLAKING
= FLASHING (VAPORIZING)
= FLOTATION
= FLUSHING
= FOAMING
= FRACTIONATION
= FRACTURING
= HOMOGENIZING
= ION EXCHANGING
= ION EXTRATION
= ION SPRAYING
= ISOLATION
= LEACHING
= MATERIALS RECOVERY
= MELTING
= MIXING
= OSMOSIS
= PERCOLATION
= PHASE SEPARATION (MATERIALS)
= POLARIZATION (CHARGE SEPARATION)
= PRECIPITATION (CHEMISTRY)
= PURING
= PURIFICATION
= RADIOCHEMICAL SEPARATION
= RECRYSTALLIZATION
= RINSE
= REMOVAL
= SCRAPPERS
= SEPARATED FLOW
= SEPARATION
= SETTLING
= SHEARING
= SIZE SEPARATION
= SLICING
= SOLVENT EXTRACTION
= SPERSION
= SPACING
= SPREADING
= STAGE SEPARATION
= STRIPPING (DISTILLATION)
= SUBLIMATION
= SWIRLING
= THERMAL DIFFUSION
= THERMOPHORESIS
= TUNLING MOTION
= VAPORIZING
= VENTING
= WASHING
= ZONE MELTING

SERGEANT MISSELS
GS MISSELS
= SURFACE TO SURFACE MISSILES
= SERGEANT MISSLES
RT JUNO 1 LAUNCH VEHICLE
= JUNO 2 LAUNCH VEHICLE
= JUPITER C ROCKET VEHICLE
= LITTLE JOE 2 LAUNCH VEHICLE
= SOLID PROPELLANT ROCKET ENGINES

SERT (ROCKET TESTS)
USE SPACE ELECTRIC ROCKET TESTS

SERT 1 SPACECRAFT
RT ELECTRIC PROPULSION
= ELECTRIC ROCKET ENGINES
= ENGINE TESTS
= SPACE ELECTRIC ROCKET TESTS
= SPACECRAFT

SERT 2 SPACECRAFT
RT ELECTRIC PROPULSION
= ELECTRIC ROCKET ENGINES
= ENGINE TESTS
= SPACE ELECTRIC ROCKET TESTS
= SPACECRAFT

SERVICE MODULES
GS MODULES
= SERVICE MODULES
= SPACECRAFT COMPONENTS
= SERVICE MODULES
RT APOLLO SPACECRAFT
SINGLE STAGE ROCKET VEHICLES

SINGLE EVENT UPSET-(CONT.)
SECONDARY COSMIC RAYS
SPACECRAFT CHARGING
SPACECRAFT ELECTRONIC EQUIPMENT

SINGLE STAGE ROCKET VEHICLES
GS ROCKET VEHICLES
SINGLE STAGE ROCKET VEHICLES
AGENA ROCKET VEHICLES
AGENA A ROCKET VEHICLE
AGENA B ROCKET VEHICLE
AGENA C ROCKET VEHICLE
AGENA D ROCKET VEHICLE
ARCAS ROCKET VEHICLES
BLACK BRANT SOUN DING ROCKETS
BLACK BRANT 1 SOUN DING ROCKET
BLACK BRANT 2 SOUN DING ROCKET
BLACK BRANT 3 SOUN DING ROCKET
BLACK BRANT 4 SOUN DING ROCKET
BLACK KNIGHT ROCKET VEHICLE
DORNIER PARAGLIDER ROCKET VEHICLE
GENIE ROCKET VEHICLE
HYLA-STAR ROCKET VEHICLE
LITTLE JOHN ROCKET VEHICLE
LOKI ROCKET VEHICLE
MODAM LAUNCH VEHICLE
VERONIQUE ROCKET VEHICLES
VIKING ROCKET VEHICLE
ZUNI ROCKET VEHICLE
RT MAULER MISSILE

SINGLE STAGE TO ORBIT VEHICLES
GS LAUNCH VEHICLES
REUSABLE LAUNCH VEHICLES
SINGLE STAGE TO ORBIT VEHICLES
HOTOL LAUNCH VEHICLE
RT NASA PROGRAM
SPACE SHUTTLES
SPACE TRANSPORTATION
VEHICLES
X-30 VEHICLE

SINGLE-PHASE FLOW
UF ONE-PHASE FLOW
UNIPHASE FLOW
GS FLUID FLOW
SINGLE-PHASE FLOW
RT CRITICAL FLOW
GAS FLOW
LAMINAR FLOW
LIQUID FLOW
M A S S FLOW
MULTIPHASE FLOW
ORIFICE FLOW
PIPE FLOW
STEADY FLOW
STEAM FLOW
SUBCRITICAL FLOW
SUPERCRITICAL FLOW
TURBULENT FLOW
TWO PHASE FLOW
UNIFORM FLOW
UNSTEADY FLOW

SIoux HELICOPTER
USE OH-13 HELICOPTER

SIPHONING
RT = FLUIDS
SIPHONS
THERMOSIPHONS

SIPHONS
RT MATERIALS HANDLING
PIPELINES
PIPES (TUBES)
PUMPS
SIPHONING
= TUBES

SIRENS
RT HORNS
NOISE INTENSITY
SOUN D GENERATORS
= SIGNALS

SIRENS-(CONT.)
SOUND GENERATORS
SOUND INTENSITY
SOUND TRANSMISSION
WARNING SYSTEMS

SITE DATA PROCESSORS
UF SDP (COMPUTERS)
GS DATA PROCESSING EQUIPMENT
COMPUTERS
RT APOLO PROJECT
DATA
RT SITE DATA PROCESSORS
DATA
DATA LINKS
DATA PROCESSING

SITE SELECTION
GS SELECTION
RT AIRPORTS
CERTIFICATION
= FACILITIES
= INDUSTRIAL AREAS
LAND USE
LEASING
LOGISTICS
OPTIONS
RESOURCES
ROADS
ROUTES
SERVICES
SITES
TERMINAL FACILITIES
TRANSPORTATION
UTILITIES

SKID LANDINGS
GS LANDING
RT AIRCRAFT LANDING
SKID LANDINGS
CRASH LANDING
HYDROPLANING
SKIDDING

SKIDDING
RT HYDROPLANING
LANDING GEAR
SIDE UP
SKID LANDINGS
SLEDS
YAW

SKIN (STRUCTURAL MEMBER)
GS MEMBRANES
= MEMBRANE STRUCTURES
= SKIN (STRUCTURAL MEMBER)
= STRUCTURAL MEMBERS
= MEMBRANE STRUCTURES
= SKIN (STRUCTURAL MEMBER)
RT AIRCRAFT CONSTRUCTION MATERIALS
= CONSTRUCTION MATERIALS
= MALLEABLES (STRUCTURES)
METAL SHELLS
SHELLS (STRUCTURAL FORMS)
STRESSED-SKIN STRUCTURES
THIN WALLED SHELLS
THIN WALLS
TORSIDAL SHELLS
WEBS (SUPPORTS)

SKIN FRICTION
UF FRICTION PRESSURE DROP

SKIN FRICTION-(CONT.)
GS FRICTION
= SKIN FRICTION
= FRICTION DRAG
= AERODYNAMIC DRAG
= SUPERSONIC DRAG
RT AERODYNAMIC HEATING
DRAG
DRAG DEVICES
FLOW RESISTANCE
FLUID FLOW
FRIC TION FACTOR
RIBLETS
STREAMLINING

SKIN RESISTANCE
GS ELECTRICAL PROPERTIES
= ELECTRICAL IMPEDANCE
= SKIN RESISTANCE
= SKIN IMPEDANCE
= ELECTRICAL IMPEDANCE
= ELECTRICAL RESISTANCE
= SKIN RESISTANCE

SKIN TEMPERATURE (NON-BIOLOGICAL)
GS SURFACE PROPERTIES
= SURFACE TEMPERATURE
= SKIN TEMPERATURE
= NON-BIOLOGICAL TEMPERATURES
= SURFACE TEMPERATURE
= SKIN TEMPERATURE
= NON-BIOLOGICAL
RT AERODYNAMIC HEATING
AEROTHERMODYNAMICS

SKIRTS
RT AFTERBODIES
CONICAL NOZZLES
EXHAUST NOZZLES
FOUNTAIN NOZZLES
JET NOZZLES
ROCKET NOZZLES

SKUA ROCKET VEHICLES
GS ROCKET VEHICLES
= SOUN DING ROCKETS
SKUA ROCKET VEHICLES
RT SOLID PROPELLANT ROCKET ENGINES
= VEHICLES

SKYBOLT MISSILE
GS MISSILES
= BALLISTIC MISSILES
= SKYBOLT MISSILE
RT SOLID PROPE LANT ROCKET ENGINES

SKYDOME HELICOPTER
USE CH-54 HELICOPTER

SKYDROPL (TRADEMARK)
GS LIQUIDS
= HYDRAULIC FLUIDS
SKYDROL (TRADEMARK)
RT ESTERS
PHOSPHATES
PLASTICI ZERS

SKYHAWK AIRCRAFT
USE A-4 AIRCRAFT

SKYHOO K BALLOONS
GS EXPANDABLE STRUCTURES
= INFLATABLE STRUCTURES
= BALLOONS
= HIGH ALTITUDE BALLOONS
= SKYHOOK BALLOONS
RT= HIGH ALTITUDE
ME TEOREOLOGICAL BALLOONS
ROBIN BALLONS
ROCKOONS

SKYLAKE
USE SKYLAKE ROCKET VEHICLE
SLIDING FRICTION (CONT.)
- Sliding contact
- Static friction
- Wear
- Wear resistance

SLIP SN
(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- Plastic deformation
- Polylip slip
- Side slip
- Sliding

SLIP FLOW SN
(LIMITED TO RAREFIED GAS FLOW IN THE REGION BETWEEN KNUDSEN NUMBERS 0.01 AND 0.1
- Gas flow
- Molecular flow
- Slip flow
- Continuum flow
- Free molecular flow
- Low density wind tunnels
- Rarefied gas dynamics
- Transition flow

SLIPSTREAMS GS Wakes
- Aircraft wakes
- Propeller slipstreams
- Turbulent wakes
- Slipstreams
- Propeller slipstreams

RT BACKWASH
- Strouhal number
- Turbulence

SLITS GS OPENINGS
- Slits
- Apertures
- Fresnel reflectors
- Slots

SLOPES
- CANT
- SLANT
- STEEPNESS

SLOSHING
- Liquid sloshing

SLOTS GS SLOTS
- Wing slots
- UFT devices
- Louvers
- Openings
- Slits

SLOTTED WIND TUNNELS GS TEST FACILITIES
- Wind tunnels
- Transonic wind tunnels
- Trisonic wind tunnels
- Vents

SMOG RT AIR POLLUTION
- Air sampling
- Combustion products
- Environmental chemistry
- Excess gases
- Fog
- Hydrocarbon combustion
- Hydrocarbon poisoning
- Lead poisoning
- Particulates
- Smoke

SMOKE GS MIXTURES
- Dispersions
- Plastics
- Smoke

RT AEROSOLS
- Air pollution
- Combustion products
- Dust
- Exhaust gases
- Fire damage
- Fog
- Forest fires
- Fumes
- Hazard detection
- Markers
- Particles
- Particulates
- Smoke
- Vapors
- Visibility

SMOKE TRAILS RT TRACKS
- Wind direction
- Wind measurement
- Wind profiles

SNOWING
- Lateral oscillation

SNOE AERIAL APPLICATOR AIRCRAFT S-2B
- S-2 AIRCRAFT

SNOE AIRCRAFT GS SNOE AIRCRAFT
- S-2 AIRCRAFT
- Aircraft
- Utility aircraft

SNOE S-2 AIRCRAFT
- S-2 AIRCRAFT

SOARING RT CLIMBING FLIGHT
- Coasting flight
- Flight
- Gliders
- Guiding
- Hang gliders
- Horizontal flight
- Man powered aircraft
- Vertical air currents

SOFTENING
- Excludes water softening

SOFTENING GS SOFTENING
- Work softening

RT ANNEALING
- Deionization
SOLAR AZIMUTH

SOFTENING-(CONT.)
- DEHYDRATING
- DIGESTING
- DISSOLVING
- HARDENING (MATERIALS)
- ION EXCHANGING

SOLAR AZIMUTH
USE AZIMUTH
SOLAR POSITION

SOLAR COMPASSES
GS MEASURING INSTRUMENTS
- INDICATING INSTRUMENTS
- COMPASSES
- SOLAR COMPASSES
NAVIGATION AIDS
- NAVIGATION INSTRUMENTS
- COMPASSES
- SOLAR COMPASSES
RT AIR NAVIGATION
AIR TRAFFIC CONTROL
AIRPORT SAFETY
APPROACH BEACONS
ALL-WEATHER AIR NAVIGATION
APPROACH INDICATORS
AUTOMATIC FLIGHT CONTROL
AUTOMATIC PILOTS
BEACONS
DECCA NAVIGATION
DISPLAY DEVICES
DISTANCE MEASURING EQUIPMENT
FLIGHT CONTROL
FLIGHT INSTRUMENTS
FLIGHT PATHS
GYROCOMPASSES
HEMPACKS
HOMING DEVICES
LANDING AIDS
LOW LEVEL
MAGNETIC COMPASSES
OMIDIRECTIONAL RADIO RANGES
POSITION INDICATORS
RADAR BEACONS
RADIO BEACONS
RADIO NAVIGATION
SELF CALIBATING OMNIDIRECTIONAL
SHORAN
SUN TACAN
VHF OMNIDIRECTIONAL NAVIGATION
WEATHER

SOLAR LONGITUDE
GS LONGITUDE
- SOLAR LONGITUDE
RT ASTRONOMICAL COORDINATES
CELESTIAL REFERENCE SYSTEMS
SUN

SOLAR POWERED AIRCRAFT
RT AIRCRAFT
SOLAR CELLS
SOLAR ELECTRIC PROPULSION
SOLAR PROPULSION
SUN

SOLAR PROPULSION
GS PROPULSION
- LOW THRUST PROPULSION
- SOLAR PROPULSION
- SOLAR ELECTRIC PROPULSION
- SOLAR THERMAL PROPULSION
- SPACECRAFT PROPULSION
- SOLAR PROPULSION
- SOLAR ELECTRIC PROPULSION
- SOLAR THERMAL PROPULSION
RT SOLAR POWERED AIRCRAFT
SUN

SOLAR SENSORS
UF SUN SENSORS
RT ATTITUDE CONTROL
GUIDANCE SENSORS
IRIS SATELLITES
NAVIGATION AIDS
NAVIGATION INSTRUMENTS
STAR TRACKERS
SUN
TAKING (POSITION)

SOLENOID VALVES
GS VALVES
- SOLENOID VALVES
RT AUTOMATIC CONTROL VALVES

SOLENOI. VALVES-(CONT.)
- ELECTRIC CONTROL
- ELECTRIC EQUIPMENT
- ELECTRIC RELAYS
- ELECTRIC SWITCHES
HYDRAULIC CONTROL
OFF-ON CONTROL
SOLENOIDS

SOLAR CRYOGENIC COOLING
GS COOLING
SOLAR CRYOGENIC COMBUSTION
- SOLID PROPULSION
- SOLID PROPULSION IGNITION
- SOLID ROCKET BOOSTERS
SPACE SHUTTLE BOOSTERS USE SPACE SHUTTLE BOOSTERS

SOLAR CRYOGENICS
GS GASES
- SOLIDIFIED GASES
- SOLID CRYOGENS
- SOLID CRYOGENS
- SOLID NITROGEN
- SOLIDS
- SOLIDIFIED GASES
- SOLID CRYOGENS
- SOLID NITROGEN
RT COOLING SYSTEMS
CRYOGENIC EQUIPMENT
CRYOGENICS
LIQUID NITROGEN

SOLAR PROPULSION
SOLAR PROPULSION
SOLAR ELECTRIC
SOLAR THERMAL
SPACECRAFT PROPULSION

SPACE ELECTRIC ROCKET TESTS
UF SERT (ROCKET TESTS)
GS ENGINE TESTS
SPACE ELECTRIC ROCKET TESTS
RT ELECTRIC ROCKET ENGINES
FLIGHT TESTS
GROUND TESTS
SERT 1 SPACECRAFT
SERT 2 SPACECRAFT

SPACE SHUTTLE ASPECT STAGE
GS SPACECRAFT CONFIGURATIONS
SPACE SHUTTLE ASPECT STAGE
RT ADVANCED SOLID ROCKET MOTOR
(STR)
ASPECT PROPULSION SYSTEMS
EXTERNAL TANKS
SPACE SHUTTLE BOOSTERS
SPACE SHUTTLE ORBITERS
SPACE SHUTTLE UPPER STAGES
SPACE SHUTTLES
STAGE SEPARATION

SPACE SHUTTLE BOOSTERS
UF SHUTTLE BOOSTERS
- SOLID ROCKET BOOSTERS
SPACE SHUTTLE SOLID ROCKET MOTORS
SRB (SOLID ROCKET BOOSTERS)
GS ENGINES
SPIN (CONT.)
- ELECTRON SPIN
- ISOTOPIC SPIN
- NUCLEAR SPIN
- ELECTRON CAPTURE
- SPIN-SPIN COUPLING
- ANGULAR MOMENTUM
  - NUCLEAR CAPTURE
  - SPINORS
  - YO-VO DEVICES

SPIN REDUCTION
- UF DESPINNING
- JET DAMPING
- GS RATES (PER TIME)
- ACCELERATION (PHYSICS)
- DECELERATION
- SPIN REDUCTION
- RT ANGULAR ACCELERATION
- DESTABILIZATION
  - GRAVITY GRADIENT SATELLITES
  - REDUCTION
  - SATELLITE ROTATION
  - YO-VO DEVICES

SPIN STABILIZATION
- GS STABILIZATION
  - SPIN STABILIZATION
  - RT ATTITUDE CONTROL
  - DUAL SPIN SPACECRAFT
  - MISSILES
  - OV-1 SATELLITES
  - OV-3 SATELLITES
  - OV-4 SATELLITES
  - OV-5 SATELLITES
  - SATELLITE ORIENTATION
  - SATELLITE ROTATION
  - SPACE SHUTTLE UPPER STAGE D
  - SPACE STATIONS
  - SPINORS

SPINNING UNGUIDED ROCKET TRAJECTORY
- UF SPURT (TRAJECTORIES)
- GS TRAJECTORIES
- SPINNING UNGUIDED ROCKET TRAJECTORY
- RT EQUATIONS OF MOTION
  - MISSILE TRAJECTORIES
  - ROTATING BODIES
  - SYMMETRICAL BODIES

SPIROMETERS
- RT HEART MINUTE VOLUME
  - LUNGS
  - RESPIRATORY RATE

SPLIT FLAPS
- GS AIRFOILS
  - SPURTS (CONTROL SURFACES)
  - SPLIT FLAPS
  - BRACKETS (FOR ARRESTING MOTION)
  - AERODYNAMIC BRAKES
  - SPLIT FLAPS
  - AIRCRAFT BRAKES
  - SPLIT FLAPS
  - CONTROL SURFACES
  - FLAPS (CONTROL SURFACES)
  - SPLIT FLAPS
  - DRAG DEVICES
  - AERODYNAMIC BRAKES
  - SPLIT FLAPS
- RT JET FLAPS
- LEADING EDGE SLATS
- TRAILING EDGE FLAPS
- WING FLAPS

SPOILER SLOT AILERONS
- GS AIRFOILS
  - AILERONS
  - SPOILER SLOT AILERONS
  - CONTROL SURFACES
  - AILERONS
  - SPOILER SLOT AILERONS
  - RT SPOILERS

SPOILERS
- GS AIRFOILS
  - SPOILERS
  - CONTROL SURFACES
  - SPOILERS
  - DRAG DEVICES
  - SPOILERS
  - RT AERODYNAMIC BRAKES

SPOILERS (CONT.)
- BOUNDARY LAYER CONTROL
- DEFLECTORS
- FLAPS (CONTROL SURFACES)
- GUST ALLEVIATORS
- LEADING EDGE SLATS
- SPOILER SLOT AILERONS
- VORTEX ALLEVIATION
- WINGS

SPONTANEOUS COMBUSTION
- GS COMBUSTION
  - SPONTANEOUS COMBUSTION
  - RT COMBUSTION TEMPERATURE
  - EXPLOSIONS
  - FIRE POINT
  - FIRE PREVENTION
  - FLAMMABILITY
  - FLASH POINT
  - FUEL COMBUSTION
  - HAZARDS
  - HYPERGOLIC ROCKETS
  - PROPELLANTS
  - IGNITION
  - IGNITION TEMPERATURE
  - PROPELLANT SENSITIVITY
  - PYROPHORIC MATERIALS

SPRAY CHARACTERISTICS
- RT = CHARACTERISTICS
  - SPRAYERS
  - SPRAYING

SPRAY CONDENSERS
- RT JET CONDENSERS
  - SPRAYERS

SPRAY NOZZLES
- RT ANNUAL NOZZLES
  - CONICAL NOZZLES
  - FUEL INJECTION
  - FUEL SYSTEMS
  - INJECTORS
  - NOZZLES
  - ORIFICES
  - SPRAYERS

SPRAYERS
- UF SPRAYING APPARATUS
  - SPRAYS
  - RT ATOMIZERS
  - BLOWERS
  - COLLOIDAL GENERATORS
  - CONTACTORS
  - CONTAINERS
  - DIFFUSERS
  - DISPENSERS
  - DISTRIBUTORS
  - DROPS (LIQUIDS)
  - EJECTORS
  - FUEL SPRAYS
  - JETS
  - MATERIALS HANDLING
  - MIXERS
  - NOZZLES
  - PROPELLANT SPRAYS
  - SPRAY CHARACTERISTICS
  - SPRAY CONDENSERS
  - SPRAY NOZZLES
  - SPRAYING
  - VAPORIZERS

SPRAYING
- GS SPRAYING
  - ARC SPRAYING
  - CROP DUSTING
  - FLAME SPRAYING
  - METAL SPRAYING
  - PLASMA SPRAYING

RT AERATION
- AEROSOLS
  - ATOMIZING
  - BLOWING
  - COATING
  - COATINGS
  - DIFFUSION
  - DISPERSING
  - ENTRAINMENT
  - FORMING TECHNIQUES
  - FUMIGATION
  - LIQUID ATOMIZATION
  - METALLIZING
  - MIXING
  - PREMIXING
  - SEALING
  - SPRAY CHARACTERISTICS
**SPRAYING APPARATUS**

**SPRAYING APPARATUS (CONT.)**

- SPRAYERS
- SPRINKLING
- VAPORIZING
- WETTING

**SPRAYING APPARATUS**

- USE SPRAYERS

**SPREADS**

- USE SPRAYERS

**SPREADINGS**

- RT ADHESION
- COHENSION
- DIFFUSION
- DISPERGING
- DISPOSAL
- DUMPING
- EMPTYING
- INTERFACIAL TENSION
- INTERNAL PRESSURE
- MATERIALS HANDLING
- SCATTERING
- SEPARATION
- SPILLING
- SWELLING
- THROWING
- UNLOADING

**SPRINT MISSILE**

- GS MISSILES
- (ANTIMissile MISSILES)
- RT SPRINT MISSILE
- RT NIK-E-JEUS MISSILE
- RT SENTINEL SYSTEM
- GS SOLID PROPELLANT ROCKET ENGINES
- GS SPARtan MISSILE

**SPURT (TRAJECTORIES)**

- USE SPURRING UNGUIDED ROCKET TRAJECTORY

**SQUEEZE FILMS**

- GS FLUID FILMS
- RT BOUNDARY LUBRICATION
- ELASTOHYDRODYNAMICS
- GAS BEARINGS
- GAS LUBRICATIONS
- LIQUID-SOLID INTERFACES
- LUBRICATIONS
- THIN FILMS
- VISCOSITY
- VISCOS FLUIDS

**SQUIBS**

- GS SQUB
- GS SQUB
- RT ELECTRIC IGNITION
- IGNITION SYSTEMS
- PRIMERS (EXPLOSIVES)
- SOLID PROPPELLANT IGNITION
- STARTERS

**SQUID (DETECTORS)**

- USE SUPERCONDUCTING QUANTUM
- INTERFEROMETERS
- RT DETECTORS
- JOSEPHSON JUNCTIONS
- MAGNETIC MEASUREMENT
- QUANTUM COUNTERS
- GS (SUPERCONDUCTORS)
- SUPERCONDUCTORS

**SQUID PROJECT**

- GS PROGRAMS
- PROJECTS
- SQUID PROJECT
- RT JET PROPULSION

**SR-71 AIRCRAFT**

- USE WESTLAND GROUND EFFECT MACHINES

**SR-72 GROUND EFFECT MACHINE**

- USE WESTLAND GROUND EFFECT MACHINES

**SR-73 GROUND EFFECT MACHINE**

- USE WESTLAND GROUND EFFECT MACHINES

**SR-74 GROUND EFFECT MACHINE**

- USE WESTLAND GROUND EFFECT MACHINES

**SRB (SOLID ROCKET BOOSTERS)**

- USE SPACE SHUTTLE BOOSTERS

**SS-11 MISSILE**

- GS MISSILES
- RT MULTISTAGE ROCKET VEHICLES
- GS SOLID PROPELLANT ROCKET ENGINES

**STABILITY**

- USE INSTABILITY
- GS STABILITY
- ACoustic INSTABILITY
- BAROClinIC INSTABILITY
- DYNAMIC INSTABILITY
- COMMUNICATION STABILITY
- FLAME INSTABILITY
- CONTROL STABILITY
- FREQUENCY INSTABILITY
- MOTION INSTABILITY
- AERODYNAMIC INSTABILITY
- AIRCRAFT STABILITY
- ATTITUDE INSTABILITY
- DIRECTIONAL INSTABILITY
- LATERAL INSTABILITY
- LONGITUDINAL INSTABILITY
- FLOW INSTABILITY
- BOUNDARY LAYER INSTABILITY
- FLAME INSTABILITY
- MAGNETOHYDRODYNAMIC INSTABILITY
- ACoustoc INSTABILITY
- LOW SPEED INSTABILITY
- ROTARY INSTABILITY
- GYROSCOPIC INSTABILITY
- SPACECRAFT STABILITY
- GOERTLER INSTABILITY
- MAGNETIC INSTABILITY
- STATIC INSTABILITY
- DIMENSIONAL INSTABILITY
- SHELL INSTABILITY
- STORAGE STABILITY
- SURFACE STABILITY
- SYSTEMS STABILITY
- THERMAL INSTABILITY
- RT AMPLIFICATION
- BALLAST (MASS)
- COMPATIBILITY
- CONTROLLABILITY
- DRIFT DRIFT
- RATE DURABILITY
- DYNAMIC CHARACTERISTICS
- EQUATIONS OF MOTION
- EQUILIBRIUM
- METASTABLE STATE
- QUALITY
- RELIABILITY
- RESISTANCE
- SAFETY FACTORS
- SPACECRAFT MOTION
- STABILIZERS (AGENTS)
- STEADY STATE
- TOLERANCES (MECHANICS)
- TRESCA FLOW
- UNITY
- UNSTEADY STATE
- VARIABILITY
- VLADISOV EQUATIONS
- VULNERABILITY

**STABILITY DERIVATIVES**

- USE AERODYNAMIC MOMENTS
- GS MOMENTS
- RT STABILITY DERIVATIVES
- SPINNING MOMENTS
- ROLLING MOMENTS
- YAWING MOMENTS
- COMPLEX VARIABLES
- DAMPING
- DIFFERENTIAL EQUATIONS

**STABILITY DERIVATIVES (CONT.)**

- MOMENTS OF INERTIA
- REAL VARIABLES
- VECTOR ANALYSIS

**STABILITY TESTS**

- GS STABILITY TESTS
- GS FLIGHT STABILITY TESTS
- WIND TUNNEL STABILITY TESTS
- RT CORROSION TESTS
- DAMPING TESTS
- ELECTRONIC EQUIPMENT TESTS
- FLIGHT TESTS
- FUEL TESTS
- GROUND TESTS
- MISSILE TESTS
- PROPELLANT TESTS
- RESONANCE TESTING
- Tests VIBRATION TESTS

**STABILIZED PLATFORMS**

- RT GIMBALS
- GS GYROSCOPIC STABILITY
- GS AUTOSTABILIZERS
- GS INERTIAL GUIDANCE
- GS PLATFORMS
- GS THREE AXISt ABSTABILIZATION

**STABILIZERS**

- RT GIMBALS
- GS GYROSCOPES
- GS SEA KEEPING
- GS STABILIZERS (AGENTS)
- GS STABILIZERS (FLUID DYNAMICS)

**STABILIZERS (FLUID DYNAMICS)**

- GS HORIZONTAL STABILIZERS
- GS VERTICAL STABILIZERS
- GS VERTICAL TAILS

**STABLE OSCILLATIONS**

- GS OSCILLATIONS
- GS STABLE OSCILLATIONS
- GS DYNAMIC STABILITY
- FREQUENCY STABILITY
- GYROSCOPIC STABILITY
- MOTION STABILITY
- NONSTABILIZED OSCILLATION
- PILOT INDUCED OSCILLATION
- RESONANT VIBRATION
- TRANSVERSE OSCILLATION
- UNDAMPED OSCILLATIONS
- WING OSCILLATIONS

**STAGE SEPARATION**

- RT STAGING (ROCKETS)
- GS BOOSTER ROCKET ENGINES
- GS EXPENDABLE STAGES (SPACECRAFT)
- GS INTERIM STAGES (SPACECRAFT)
- GS LUNAR MODULE ASCENT STAGE
- GS MISSILES
- GS MULTISTAGE ROCKET VEHICLES
- GS PROPELLANT MASS RATIO
- GS ROCKET VEHICLES
- GS SEPARATION
- GS SPACE SHUTTLE ASCENT STAGE
- GS SUSTAINABLE ROCKET ENGINES
- GS THRUST TERMINATION
- GS UPPER STAGE ROCKET ENGINES

**STAGGERING**

- RT CONFIGURATIONS
- RT DISORIENTATION
STEADY STATE

STEADY FLOW (CONT.)
- STEAM FLOW
  - STEAM TURBINES
    - GS TURBOMACHINERY
      - TURBINES
    - RT AXIAL FLOW TURBINES
      - COMBINED CYCLE POWER GENERATION
      - GAS TURBINE ENGINES
      - GAS TURBINES
      - TURBOGENERATORS
      - TWO STAGE TURBINES

STEADY STATE
- STEAM FLOW
  - USE EQUILIBRIUM FLOW

STEAM
- RT BOILERS
  - FOR
  - SUPERHEATING
  - THERMODYNAMICS
  - WATER VAPOR

STEAM TURBINES
- GS TURBOMACHINERY
  - TURBINES
  - STEAM TURBINES
  - AXIAL FLOW TURBINES
  - COMBINED CYCLE POWER GENERATION
  - GAS TURBINE ENGINES
  - GAS TURBINES
  - TURBOGENERATORS
  - TWO STAGE TURBINES

STEADY STATE FLOW
- USE EQUILIBRIUM FLOW

STEERING
- USE CONTROL ROCKETS

STORE RELEASE
- USE EXTERNAL STORE SEPARATION

STOVOL AIRCRAFT
- USE VSTOL AIRCRAFT

STRAIGHT WINGS
- USE RECTANGULAR WINGS

STRAIN GAGE ACCELEROMETERS
- USE MEASURING INSTRUMENTS
  - ACCELEROMETERS
  - STRAIN GAGE ACCELEROMETERS

STRAIN GAGE BALANCES
- USE MEASURING INSTRUMENTS
  - INDICATING INSTRUMENTS
  - WEIGHT INDICATORS

STRAIN GAGES
- USE MEASURING INSTRUMENTS

STRAIN MEASUREMENT
- USE PLASTIC DEFORMATION

STRAKES
- USE STRUCTURAL MEMBERS

STRESS-STRAIN RELATIONSHIPS
- STRESS-STRAIN DIAGRAMS
  - STRAIN-STRAIN DIAGRAMS

STRAIN SOFTENING
- STRAIN-STRAIN RELATIONSHIPS

STRAPO.strategy INERTIAL GUIDANCE
- USE INERTIAL GUIDANCE

STRATIFICATION
- USE ATMOSPHERIC STRATIFICATION

STRATIFICATION
- USE INTERCALATION

STRAIT AIRCRAFT
- USE SHORT TAKEOFF AIRCRAFT

STORABLE PROPPELLANTS
- CONSUMABLES (SPACECRAFT)
  - STORABLE PROPPELLANTS
  - PROPPELLANTS
  - STORABLE PROPPELLANTS
  - CRYOGENIC ROCKET PROPPELLANTS
  - GASEOUS ROCKET PROPPELLANTS
  - GELLED ROCKET PROPPELLANTS
  - GROUND SUPPORT EQUIPMENT
  - HIGH TEMPERATURE PROPPELLANTS
  - HYDROCARBON FUELS
  - HYPERSONIC ROCKET PROPPELLANTS
  - LIQUID ROCKET PROPPELLANTS
  - PROPPELLANT ADDITIVES
  - PROPPELLANT DECOMPOSITION
  - SELF-IGNITION
  - PROPPELLANT SENSITIVITY
  - PROPPELLANT STABILITY
  - PROPPELLANT STORAGE
  - ROCKET PROPPELLANTS
  - SOLID PROPPELLANTS
  - SPACE STORAGE
### Structural Strain

#### Structural Stability (Cont.)
- Reinforcement (structures)
- Resonance testing
- Rigid body
- Stiffness
- Stringers
- Wave resistance

#### Structural Strain
- GS Fatigue (materials)
- Structural strain
- RT Axial strain
- Bending
- Buckling
- Crackling (fretting)
- Deformation
- Elastic deformation
- Failure
- Moments of inertia
- Plastic deformation
- Preshrinking
- Reinforcement (structures)
- Rupturing
- Shear strain
- Shearing
- Strain measurement
- Stress concentration
- Stress-strain diagrams
- Stress-strain relationships
- System failures
- Temperature inversions
- Twisting
- Volumetric strain
- Warpage

#### Structural Weight
- GS Weight (mass)
- Structural weight
- RT Mass ratios
- New moons project
- Weight analysis
- Weight reduction

#### Struts
- GS Structural members
- Struts
- RT Chassis
- Columns (supports)
- Frames
- Pylons
- Supports
- Trusses

#### Subcritical Flow
- GS Fluid flow
- Subcritical flow
- RT Critical flow
- Flow characteristics
- Gas flow
- Liquid flow
- Multiphase flow
- Orifice flow
- Pipe flow
- Pressure gradients
- Single-phase flow
- Steady flow
- Steam flow
- Supercritical flow
- Turbulent flow
- Uniform flow
- Unsteady flow

#### Subsonic Project
- Use Submarine integrated control project

#### Sublimation (Cont.)
- Separation
- Vapour pressure
- Subsonic aircraft
- GS Submarine integrated control project
- Uf Subic project
- GS Programs
- Projects
- Submarine integrated control project
- RT Control

#### Submarine
- GS Water vehicles
- Submarines
- RT Anti-ship missiles
- Anti-submarine warfare

#### Submerged Bodies
- GS Submerged bodies
- Diving (underwater)
- Underwater research laboratories
- RT Submarines
- Torpedoes
- Towed bodies
- Underwater engineering
- Underwater photography
- Underwater structures
- Underwater vehicles

#### Submerging
- Uf Immersion
- RT Baths
- Dipping
- Quenching (cooling)
- Soaking
- Water immersion
- Weightlessness simulation
- Wetting

#### Submersible Aircraft
- RT Aircraft

#### Subsonic Aircraft
- PASSENGER AIRCRAFT
- ROTARY WING AIRCRAFT
- SHORT TAKEOFF AIRCRAFT
- SUPERSONIC AIRCRAFT
- TANDEM WING AIRCRAFT
- TERRAIN FOLLOWING AIRCRAFT
- Training aircraft
- Transport aircraft
- Turboprop aircraft
- Utility aircraft
- Vertical takeoff aircraft
- Water takeoff and landing aircraft

#### Subsonic Flow
- GS Fluid flow
- RT Aerodynamics

#### Subsonic Speed
- GS Vibration
- Structural vibration
- Subsonic flutter

#### Subsonic Wind Tunnels
- GS Test facilities

#### Suction
- RT Evacuating (vacuum)
- Pressure effects
- Pressure gradients
- Vacuum apparatus
- Vacuum pumps

#### Sud Aviation Aircraft
- GS Sud aviation aircraft

#### Suds
- Sump
drainage
- Pits (excavations)
- Waste disposal
SUPERSONIC FLIGHT

SUPERSONIC DRAG
- Friction Drag
- Aerodynamic Drag
- Supersonic Drag
- Skin Friction
- Flow Drag
- Aerodynamic Drag
- Supersonic Drag
RT: Interference Drag
WAVE Drag

SUPERSONIC FLIGHT
RT: Cabin Flows
- Flight
- Hypersonic Flight
- Jet Lag
- Mach Cones
- Missiles
- Rocket Flight
- Sonic Booms
- Supersonics
- Transonic Flight

SUPERSONIC FLOW
GS: Fluid Flow
- Supersonic Flow
RT: Aerodynamics
- Compressibility Effects
- Compressible Flow
- Flow Velocity
- Gas Flow
- Hypersonic Flow
- Hypervelocity Flow
- Mach Cones
- Prandtl-Meyer Expansion
- Secondary Injection
- Shock Waves
- Transonic Flow
- Wedge Flow
- Wind Tunnels

SUPERSONIC FLOW INLETS
USE Supersonic Inlets

SUPERSONIC FLUTTER
GS: Vibration
- Structural Vibration
- Flutter
- Supersonic Flutter
- Self Induced Vibration
- Supersonic Flutter
RT: Missile Vibration
- Transonic Flutter

SUPERSONIC HEAT TRANSFER
GS: Transmission
- Heat Transmission
- Heat Transfer
- Aerodynamic Heat Transfer
- Supersonic Heat Transfer
RT: Hypersonic Heat Transfer
- Supersonics

SUPERSONIC INLETS
UF: Supersonic Flow Inlets
- Transonic Inlets
GS: Intake Systems
- Air Intakes
RT: Bypass Ratio
- Hypersonic Inlets
- Inlet Airframe Configurations
- Inlet Flow
- Internal Compression Inlets
- Noise Inlets
- Side Inlets

SUPERSONIC JET FLOW
GS: Fluid Flow
- Jet Flow
- Supersonic Jet Flow
RT: Gas Flow
- Nozzle Flow

SUPERSONIC LOW ALTITUDE MISSILE
UF: Slam Missiles
GS: Missiles
- Ramjet Missiles
- Supersonic Low Altitude Missile
- Surface to Surface Missiles
- Supersonic Low Altitude Missile
RT: Nuclear Ramjet Engines
- Pluto Reactors

SUPERSONIC LOW ALTITUDE MISSILE (CONT.)
- Ramjet Engines

SUPERSONIC NOZZLES
RT: Conical Nozzles
- Conical Nozzles
- Convergent-Divergent Nozzles
- Hypersonic Nozzles
- Nozzles
- Rocket Nozzles
- Sonic Nozzles
- Transonic Nozzles
- Variable Stream Control Engines
- Wind Tunnel Nozzles

SUPERSONIC SPEED
SN: (Between Mach 1 and 4.9)
GS: Rates (Per Time)
- Supersonic Speed
- Velocity

SUPERSONIC TEST APPARATUS
RT: Hypersonic Test Apparatus
- Supersonics
- Test Equipment
- Wind Tunnel Apparatus

SUPERSONIC TRANSPORTS
GS: Supersonic Aircraft
- Supersonic Transports
- CL-415 Aircraft
- Concorde Aircraft
- L-2000 Aircraft
- Supersonic Commercial Aircraft
- Transport
- Boeing 727 Aircraft
RT: Cargo Aircraft
- Commercial Aircraft
- Passenger Aircraft
- Supersonic Cruise Aircraft
- Research

SUPERSONIC TURBINES
UF: Transonic Turbines
GS: Turbomachinery
- Turbines
- Supersonic Turbines
RT: Gas Turbine Engines
- Gas Turbines

SUPERSONIC WAKES
GS: Wakes
RT: Aircraft Wakes
- Hypersonic Wakes

SUPERSONIC WIND TUNNELS
GS: Test Facilities
- Wind Tunnels
- Supersonic Wind Tunnels
RT: Blowdown Wind Tunnels
- Hypersonic Wind Tunnels
- Hypervelocity Wind Tunnels
- Low Density Wind Tunnels
- Shock Tunnels
- Slotted Wind Tunnels
- Subsonic Wind Tunnels
- Supershock Tunnels
- Transonic Wind Tunnels

SUPERSOONICS
GS: Fluid Mechanics
- Fluid Dynamics
- Gas Dynamics
- Aerodynamics
- Supersonics
RT: Aerothermodynamics
- Hypersonics
- Mach Cones
- Supershock Tunnels
- Supersonic Aircraft
- Supersonic Boundary Layers
- Supersonic Flight
- Supersonic Heat Transfer
- Supersonic Speed
- Supersonic Test Apparatus

SUPPLYING
RT: Commerce
- Consumption
- Demand (Economics)
- Filling
- Injection
- Input
- Marketing
- Output

SUPPORT SYSTEMS
GS: Support Systems
- Ground Operational Support System
- Ground Support Systems
- Life Support Systems
- Biopacks
- Closed Ecological Systems
- Emergency Life Sustaining Systems
- APS
- Portable Life Support Systems
- MLRS

SUPPORT SYSTEMS (CONT.)
GS: Support Systems
- Ground Operational Support System
- Ground Support Systems
- Life Support Systems
- Biopacks
- Closed Ecological Systems
- Emergency Life Sustaining Systems
- APS
- Portable Life Support Systems
- MLRS

SUPPRESSION
USE Retarding

SURFACE COOLING
GS: Cooling
- Surface Cooling

SURFACE EFFECT SHIPS
UF: SES
GS: Surface Vehicles
- Surface Effect Ships
- Water Vehicles
- Ships
- Surface Effect Ships

SURFACE EFFECT SHIPS (CONT.)
RT: Captured Air Bubble Vehicles
- Effects
- Research Vehicles
- Surfaces
- Swell Cooling Temperature
- Vehicles

SURFACE GEOMETRY
SN: Use of a More Specific Term Is Recommended—Consult the Terms Listed Below
RT: Convexity
- Convex Surfaces
- Flat Surfaces
- Flatness
- Geometry
- Lambert Surface
- Lofting
- Planforms
- Shapes
- Surface Distortion
- Surface Layers
- Surface Properties
- Surface Reactions
- Surface Roughness
- Surface Stability
- Surfaces

SURFACE INTERACTIONS
USE Surface Reactions

SURFACE LAYERS
GS: Surface Layers
- Monomolecular Films
RT: Atmospheric Stratification
- Barrier Layers
- Boundary Layers
- Crystal Surfaces
- Layers
- Lunar Surface
- Oxide Films
- Solar Granulation
- Surface Geometry
- Surface Treatment
SURGES

SURFACES-(CONT.)
APOLLO LUNAR SURFACE EXPERIMENTS
PACKAGE
AREA
COLD SURFACES
CONTROL SURFACES
COSMOSAT SURFACES
CRYSTAL SURFACES
EARTH SURFACES
EASEP
ELECTROMAGNETIC SURFACE WAVES
ELEVATORS (CONTROL SURFACES)
EXTERNAL SURFACE CURRENTS
FERMI SURFACES
FLAPS (CONTROL SURFACES)
FLAT SURFACES
HORIZONTAL TAIL SURFACES
HOT SURFACES
INTERFACES
INTERFACIAL TENSION
LAMBERT SURFACE
LIQUID SURFACES
LSM
LUNAR SURFACE
LUNAR SURFACE VEHICLES
MANNED LUNAR SURFACE VEHICLES
MARS SURFACE
MARS SURFACE SAMPLES
MENISCI
METAL SURFACES
MINIMAL SURFACES
OCEAN SURFACE
PLANETARY SURFACES
SATELLITE SURFACES
SIZING (SURFACE TREATMENT)
SOIL SURFACES
SURFACE COOLING
SURFACE CRACKS
SURFACE DEFECTS
SURFACE DIFFUSION
SURFACE DISTORTION
SURFACE EFFECTS
SURFACE ENERGY
SURFACE FINISHING
SURFACE GEOMETRY
SURFACE IGNITATION
SURFACE LAYERS
SURFACE NAVIGATION
SURFACE PROPERTIES
SURFACE REACTIONS
SURFACE ROUGHNESS
SURFACE ROUGHNESS EFFECTS
SURFACE STABILITY
SURFACE TEMPERATURE
SURFACE TO AIR MISSILES
SURFACE TO SURFACE MISSILES
SURFACE TO SURFACE ROCKETS
SURFACE VEHICLES
SURFACE VES WATERS
SURFACE WAVES
STEEPBACK TAIL SURFACES
T TAIL SURFACES
TABS (CONTROL SURFACES)
TAIL SURFACES
TOWNSEND AVALANCHE
TRAPEZOIDAL TAIL SURFACES
TWO DIMENSIONAL BODIES
UNDER SURFACE BLOWING
UNDERWATER TO SURFACE MISSILES
UPPER SURFACE BLOWING
UPPER SURFACE BLOWN FLAPS
VENUS SURFACE
WEAR

SURGES
UF
TRANSIENTS (SURGES)
RT
CIRCUIT PROTECTION
FLUID FLOW
OVERVOLTAGE
STORM SURGES
VARIATIONS
WATER HAMMER
• WAVES

SUSPENDING (HANGING)
GS
SUSPENDING (HANGING)
• MAGNETIC SUSPENSION
RT
GYROSCOPE FLUIDS
MOUNTING
SUSPENSION SYSTEMS (VEHICLES)
• SUSPENSIONS

SUSPENDING (MIXING)
GS
MIXING
• SUSPENDING (MIXING)

SUSPENDING (MIXING)-(CONT.)
RT
AERATION
AGITATION
COLLOIDING
DISPERGATION
DISPERSIONS
ENTRAINMENT
FERROFLUIDS
HOMOGENIZING
SHAKING
STIRRING
• SUSPENSIONS

SUSPENSION SYSTEMS (VEHICLES)
RT
BEARINGS
FLATION
LEVIATION
MAGNETIC LEVITATION VEHICLES
RIDING QUALITY
SHEAR ABSCISSA
SPRINGS (ELASTIC)
STEERING
SUSPENDING (HANGING)
• SUSPENSIONS
• SYSTEMS
• TERMINALS WHEELS
UNDERCARRIAGES
VEHICLE WHEELS
VEHICULAR TRACKS
VIBRATION ISOLATORS

SUSPENSIONS
SN
(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)

SWEET COOLING
UF
TRANSPERSION COOLING
GS
COOLING
EVAPORATIVE COOLING
SWEET COOLING
RT
FILM COOLING
LIQUID COOLING
SURFACE COOLING

SWEET ANGLE-(CONT.)
• MACH NUMBER

SWEET EFFECT
RT
• EFFECTS
• FORCE DISTRIBUTION
• LIFT
• LOADING
• WING LOADING

SWEETBACK
UF
SWEETBACK ANGLES
GS
GEOMETRY
• EUCLIDEAN GEOMETRY
• ANGLES (GEOMETRY)
• SWEET ANGLE
• SWEETBACK
• LEADING EDGE SWEET
RT
SUPERSURFACE

SWEETBACK ANGLES
USE
SWEETBACK

SWEETING
RT
DISTORTION
• EXPANSION
• GROWTH
• INCREASING
• INFLATING
• SPREADING

SWEET FORWARD WINGS
GS
AIRFOILS
• WINGS
• SWEET WINGS
• SWEET FORWARD WINGS
• TRAPEZOIDAL WINGS
PLANFORMS
• WING PLANFORMS
• SWEET FORWARD WINGS
• TRAPEZOIDAL WINGS
RT
SWEETBACK WINGS
VARIABLE SWEEP WINGS
X-29 AIRCRAFT

SWEET WINGS
UF
CRANKED WINGS
DIAMOND WING
TAPERED WINGS
GS
AIRFOILS
• WINGS
• SWEET WINGS
• SWEET FORWARD WINGS
• TRAPEZOIDAL WINGS
PLANFORMS
• WING PLANFORMS
• SWEET FORWARD WINGS
• TRAPEZOIDAL WINGS
RT
A-300 AIRCRAFT
A-310 AIRCRAFT
A-240 AIRCRAFT
FIXED WINGS
SPANLADER AIRCRAFT
UNSWEEP WINGS
WING PLANFORMS

SWEETBACK TAIL SURFACES
GS
PLANFORMS
• SWEETBACK TAIL SURFACES
TAIL SURFACES
• SWEETBACK TAIL SURFACES
RT
CONTROL SURFACES
HYPERSONIC AIRCRAFT
RUDDERS
STABILIZERS (FLUID DYNAMICS)
SUPERSURFACE
• SURFACES
• T TAIL SURFACES
TRAPEZOIDAL TAIL SURFACES

SWEETBACK WINGS
GS
AIRFOILS
• WINGS
• SWEET WINGS
• SWEETBACK WINGS
• ARROW WINGS
• DELTA WINGS
• TRAPEZOIDAL WINGS
RT
A-300 AIRCRAFT
A-310 AIRCRAFT
A-240 AIRCRAFT
FIXED WINGS
SPANLADER AIRCRAFT
UNSWEEP WINGS
WING PLANFORMS
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<td>RT THERMOCOUPLES</td>
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<td>TENSILE TESTS</td>
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<td>RT DestructIVE TESTS</td>
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| TEST BEDS              | USE TEST STANDS           |

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<tr>
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<tr>
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<td>ELECTRIC TERMINALS</td>
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<tr>
<td>HEADERS</td>
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<td>OUTLETS</td>
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<th>TERRAIN CONTOUR MATCHING NAVIGATION SYSTEM</th>
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<tr>
<td>RT TS-12 AIRCRAFT</td>
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<tr>
<td>AH-1G HELICOPTER</td>
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<td>AH-63 HELICOPTER</td>
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<td>AH-64 HELICOPTER</td>
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<td>SURFACE TO AIR MISSILES</td>
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<td>TERRIER MISSILE</td>
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TESTING

TESTING
USE TESTS

TESTING MACHINES
USE TEST EQUIPMENT

= TESTS
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)
UF PRETESTS
RT ACCELERATED LIFE TESTS
ACCCEPTABILITY
ACCURACY
ADHESION TESTS
ALTITUDE TESTS
APPROACH AND LANDING TESTS (STS)
BEND TESTS
CAPTIVE TESTS
CHECKOUT
CHEMICAL ANALYSIS
CHEMICAL TESTS
COLD FLOW TESTS
COLD WEATHER TESTS
COMPRESSION TESTS
COMPUTATIONAL CHEMISTRY
CONFIDENCE LIMITS
CORROSION TEST LOOPS
CORROSION TESTS
CREEP TESTS
CREW PROCEDURES (INFLIGHT)
CREW PROCEDURES (PREFLIGHT)
DAMPING TESTS
DESTRUCTIVE TESTS
DROP TESTS
DYNAMIC TESTS
EDUCATION
ELECTRIC EQUIPMENT TESTS
ELECTRONIC EQUIPMENT TESTS
EMPLOYMENT
ENGINE TESTS
ENVIRONMENTAL TESTS
ERRORS
EVALUATION
EXAMINATION
EXTRAPOLATION
FATIGUE TESTS
FLIGHT STABILITY TESTS
FLIGHT TESTS
FUEL TESTS
FULL SCALE TESTS
GROUNDED TESTS
HARDNESS TESTS
HIGH ALTITUDE TESTS
HIGH TEMPERATURE TESTS
IMPACT TESTS
LABORATORIES
LOAD TESTS
LOW TEMPERATURE TESTS
LUBRICANT TESTS
MATERIALS TESTS
MEDIAN (STATISTICS)
MISSILE TESTS
NONDESTRUCTIVE TESTS
NOTCH TESTS
ORBITAL SPACE TESTS
PATCH TESTS
PERFORMANCE TESTS
PERSONALITY TESTS
PHYSIOLOGICAL TESTS
PREPARE TESTS
PRELIGHT ANALYSIS
PRELACHN TESTS
PROGRAM VERIFICATION (COMPUTERS)
PROPELLANT TESTS
PROVING
PSYCHOLOGICAL TESTS
QUALIFICATIONS
QUALITY
QUALITY CONTROL
RAILROAD HUMPING TESTS
RANK TESTS
REACTOR STARTUP TESTS
RECORDS
RELIABILITY
RESONANCE TESTING
RORSCHACH TESTS
SALT SPRAY TESTS
SAMPLING
SELECTION
SELF TESTS
SHOCK TESTS
SNEFFEN TESTS
SPACE ELECTRIC ROCKET TESTS

TESTS—(CONT.)
SPACE TRANSPORTATION SYSTEM
FLIGHTS
SPACE VEHICLE CHECKOUT PROGRAM
SPIN TESTS
STABILITY TESTS
STATIC TESTS
STATISTICAL TESTS
STROKING TESTS
TASKS
TENSILE TESTS
TEST FACILITIES
TEST FIRING
TEST VEHICLES
TESTING TIME
THERMAL CYCLING TESTS
THERMAL VACUUM TESTS
ULTRASONIC TESTS
VACUUM TESTS
VIBRATION TESTS
WATER TUNNEL TESTS
WEAPONS TESTS
WIND TUNNEL STABILITY TESTS
WIND TUNNEL TESTS
WING FLOW METHOD TESTS
X RAY INSPECTION

TETHERED BALLOONS
UF KITE BALLOONS
GS EXPANDABLE STRUCTURES
INFLATABLE STRUCTURES
BALLOONS
TETHERED BALLOONS
RT METEOROLOGICAL BALLOONS
REELS

TF-30 ENGINE
GS AIRCRAFT ENGINES
TF-30 ENGINE ENGINES
IN Internal COMBUSTION ENGINES
TSURBINE ENGINES
JET ENGINES
TUROBEOJ ENGINES
TURBOFAN ENGINES
TF-30 ENGINE TURBINE ENGINES
TSURBINE ENGINES
JET ENGINES
TUROBEOJ ENGINES
TURBOFAN ENGINES
TF-30 ENGINE ENGINES

TF-34 ENGINE
GS AIRCRAFT ENGINES
TF-34 ENGINE ENGINES

THERMAL ABSORPTION—(CONT.)
RT ABLATION
ABSORPTION
ATMOSPHERIC ATTENUATION
CHARRING
GRAY GAS
HEAT SINKS
PYROLYSIS
TEMPERATURE

THERMAL AGITATION
USE THERMAL ENERGY

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

THERMAL BOUNDARY LAYER
GS BOUNDARY LAYERS
THERMAL BOUNDARY LAYER
RT HYPERSONIC BOUNDARY LAYER
LAMINAR BOUNDARY LAYER
RAYLEIGH-BENARD CONVECTION
TEMPERATURE
TURBULENT BOUNDARY LAYER

THERMAL BUCKLING
GS BUCKLING
THERMAL BUCKLING
RT EXPANSION
TEMPERATURE
TEMPERATURE EFFECTS
TEMPERATURE EXPANSION

THERMAL CONDUCTIVITY
GS THERMODYNAMIC PROPERTIES
THermal PHYSICAL PROPERTIES
THERMAL CONDUCTIVITY
CONDUCTIVITY
FOURIER LAW
HOT-WIRE FLOWMETERS
LEWIS NUMBERS
SPECIFIC HEAT
THERMAL
THERMODYNAMICS

THERMAL CONDUCTIVITY GAGES
SN (GAGES FOR MEASURING THERMAL CONDUCTIVITY—EXCLUDES GAGES USING THERMAL CONDUCTIVITY TO MEASURE OTHER PROPERTIES OR VARIABLES)
GS MEASURING INSTRUMENTS
THERMAL CONDUCTIVITY GAGES
RT TEMPERATURE

THERMAL CONDUCTORS
GS CONDUCTORS
THERMAL CONDUCTORS
RT CONDUCTION
CONDUCTING HEAT TRANSFER
ELECTRIC CONDUCTORS
TEMPERATURE

THERMAL CONTROL COATINGS
GS COATINGS
THERMAL CONTROL COATINGS
RT ABLATIVE MATERIALS
CONTROLLING HEAT SHIELDING
REENTRY SHIELDING
REUSABLE HEAT SHIELDING
TEMPERATURE
TEMPERATURE CONTROL

THERMAL CONVECTION
USE FREE CONVECTION

THERMAL CURRENTS
USE CONVECTIVE FLOW

THERMAL CYCLING TESTS
RT CLOSED CYCLES
COOLING
TITAN 3 LAUNCH VEHICLE
GS LAUNCH VEHICLES
TITAN LAUNCH VEHICLES
TITAN 3 LAUNCH VEHICLE
ROCKET VEHICLES
MULTISTAGE ROCKET VEHICLES
TITAN 3 LAUNCH VEHICLE
RT MANNED ORBITAL LABORATORIES

TOLERANCES (MECHANICALS)
GS TOLERANCES (MECHANICALS)
RT ACCEPTABILITY
ACCURACY
ALLOWANCES
CLEARANCES
CONSISTENCY
DIMENSIONAL STABILITY
DRIFT (INSTRUMENTATION)
ERRORS
HYSTERESIS
INSPECTION
LINEARITY
MECHANICAL PROPERTIES
NONDESTRUCTIVE TESTS
PRECISION
QUALITY CONTROL
RADIATION TOLERANCE
RANGE (EXTREMES)
RELIABILITY
RESOLUTION
SENSITIVITY
SPECIFICATIONS
STABILITY
STANDARDS

TOLLMIEN-SCHUCHTING WAVES
GS ELASTIC WAVES
TOLLMIEN-SCHUCHTING WAVES
RT BLASIUS FLOW
BOUNDARY LAYER FLOW
BOUNDARY LAYER TRANSITION
LAMINAR FLOW
TURBULENT FLOW

TOLUENE
GS ORGANIC COMPOUNDS
HYDROCARBONS
TOLUENE
RT SOLVENTS
XYLENE

TOMAHAWK MISSILES
GS MISSILES
SURFACE TO SURFACE MISSILES
CRUISE MISSILES
TOMAHAWK MISSILES
RT WEAPONS

TONE
USE PITCH

TONOMETRY
USE INTRACELLULAR PRESSURE
PRESSURE MEASUREMENT

Tornado aircraft
USE MRCA AIRCRAFT

TOROoidal Shells
GS SHELLS (STRUCTURAL FORMS)
TOROoidal SHELLS
RT METAL SHELLS
REINFORCED SHELLS
SKIN (STRUCTURAL MEMBER)
THIN WALLED SHELLS
TOROIDS

TORPEDO ENGINEs
GS ENGINES

TORPEDO ENGINEs-(CONT)
TORPEDO ENGINEs
TURBROCKET ENGINEs
ULLAGE ROCKET ENGINEs
VERNIER ENGINEs
CONTROL ROCKETS
SYNCHRONIZED ROCKET ENGINEs
INTERNAL COMBUSTION ENGINEs
ROCKET PROPELLANTS
TURBINE ENGINES
UNDERWATER PROPULSION

TOWED BODIES
UP DROGUES
TOWED TARGETS
RT AIRCRAFT BRAKES
BODIES
BRAKES (FOR ARRESTING MOTION)
DRAG CHUTES
GLIDERS
LIFTING BODIES
PARACHUTES
SLEDS
STREAMLINED BODIES
SUBMERGED BODIES
TEST VEHICLES
TOWING
TRAILERS

TOWED TARGETS
USE TARGETS
TOWED BODIES

TOWERS
GS TOWERS
AIRPORT TOWERS
UMBILICAL TOWERS
RT AIR TRAFFIC CONTROL
ANTENNAS
BRIDGES (STRUCTURES)
COLUMNS (SUPPORTS)
CONCRETE STRUCTURES
CONSTRUCTION INDUSTRY
CRANES
PYLONS
STRUCTURES
TANKS (CONTAINERS)

TOWING
RT CABLES (ROPES)
TOWED BODIES
TRACTORS
TRAILERS

TRAAC SATELLITE
USE TRANSIT ATTITUDE CONTROL
SATELLITE

TRACKED VEHICLES
GS SURFACE VEHICLES
MOTOR VEHICLES
TRACTORS
RT CRAWLER TRACTORS
VEHICLES
VEHICULAR TRACKS

TRACTORS
GS SURFACE VEHICLES
MOTOR VEHICLES
TRACTORS
CRAWLER TRACTORS
TRACKED VEHICLES
RT AGRICULTURE
ELECTRIC MOTOR VEHICLES
GROUND HANDLING
HANDLING EQUIPMENT
MATERIALS HANDLING
PLANTING
PILOWING
SLEDS
TOWING
TRANSPORTATION
TRUCKS
VEHICLES

TRACTS
USE SITES

TRADER AIRCRAFT
USE C-1A AIRCRAFT

TRAFFIC
GS TRAFFIC
AIR TRAFFIC
RT ACCIDENTS
AVIATION
HARBORS
TRANSPORTATION

TRAFFIC CONTROL
GS TRAFFIC CONTROL
AIR TRAFFIC CONTROL
AUTOMATED EN ROUTE ATC
RADAR APPROACH CONTROL
TRANSPORT COEFFICIENTS

TRANSPORT AIRCRAFT (CONT.)
- L-2000 AIRCRAFT
- LIGHT INTRATEATER TRANSPORT
- LIGHT TRANSPORT AIRCRAFT
- LOCKHEED MODEL 18 AIRCRAFT
- M-262 AIRCRAFT
- MYSTERE 20 AIRCRAFT
- S-88 HELICOPTER
- S-81 HELICOPTER
- SA-330 HELICOPTER
- SC-5 AIRCRAFT
- SC-7 AIRCRAFT
- SH-3 HELICOPTER
- SH-4 HELICOPTER
- SHORT HAUL AIRCRAFT
  - C-8A AUGMENTOR WING AIRCRAFT
  - CESSNA 402B AIRCRAFT
  - EUROPEAN AIRBUS
  - A-300 AIRCRAFT
  - A-310 AIRCRAFT
  - A-320 AIRCRAFT
  - MERCURE AIRCRAFT
  - TANKER AIRCRAFT
- EUROSAC AIRCRAFT
- TC-1 AIRCRAFT
- TC-130 AIRCRAFT
- TU-124 AIRCRAFT
- TU-144 AIRCRAFT
- TU-154 AIRCRAFT
- XC-142 AIRCRAFT
- YS-11 AIRCRAFT
- YS-15 AIRCRAFT

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- SN DISTRIBUTION
- RT AUTOMOBILES
- GS ELECTRIC CARS

TRANSPORT PROPERTIES
- USE TRANSPORT PROPERTIES

TRANSPORT VEHICLES
- USE VORTEX TRAPS

TRANSPORT VEHICLES (CONT.)
- USE VORTEX TRAPS
- USE TAGN
- USE AERODYNAMIC
- USE TATB
- USE TRIDENT

TRANSPORTATION ENERGY (CONT.)
- USE ENERGIZED
- USE ECAP

TRANSPORTATION ENERGY
- USE ENERGY

TRANSPORT VEHICLES
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TRANSPORT VEHICLES (CONT.)
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TRANSPORT VEHICLES (CONT.)
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TRANSPORT VEHICLES (CONT.)
- USE TRANSPORT VEHICLES
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- GUSTS
- LOW LEVEL TURBULENCE
- HOMOGENEOUS TURBULENCE
- ISOTROPIC TURBULENCE
- LOW TURBULENCE
- MAGNETOHYDRODYNAMIC TURBULENCE
- PLASMA TURBULENCE
- AERODYNAMIC DRAG
- ATMOSPHERIC EFFECTS
- BACKWASH
- BOUNDARY LAYER CONTROL
- BOUNDARY LAYER TRANSITION
- FLOW CHARACTERISTICS
- FLUID DYNAMICS
- GAS STREAMS
- MICROMETEOROLOGY
- MIXING
- MOTION
- NONUNIFORMITY
- PANEL METHOD (FLUID DYNAMICS)
- PERIOD DOUBLING
- SEA ROUGHNESS
- SLIPSTREAMS
- STEADY FLOW
- STRANGE ATTRACTIONS
- STRAUHOLM NUMBER
- SURFACE NOISE INTERACTIONS
- TURBULENT BOUNDARY LAYER
- TURBULENT FLOW
- UNSTEADY FLOW
- VERTICAL CURRENTS
- VORTEX FILMETS
- VORTICES
- VORTICITY
- WAKES
- WIND EFFECTS

TURBULENCE EFFECTS
- AERODYNAMIC STABILITY
- BUFFERING
- EFFECTS
- FLUTTER
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- SEPARATED FLOW

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- UF HOT-WIRE TURBULENCE METERS
- GS MEASURING INSTRUMENTS
- RT HOT-WIRE FLOWMETERS

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- GS MODELS
- MATHEMATICAL MODELS
- TURBULENCE MODELS
- K- EPSILON TURBULENCE MODEL
- RT COMPUTATIONAL FLUID DYNAMICS
- FLOW EQUATIONS
- RENORMALIZATION GROUP METHODS
- TURBULENT BOUNDARY LAYER
- TURBULENT FLOW

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- BOUNDARY FLOW
- BOUNDARY LAYER TRANSITION
- CLOSURE LAW
- COMBUSTIBLE FLOW
- COUNTERFLOW
- CRITICAL FLOW
- EDGY VISCOITY
- FLOW CHARACTERISTICS
- FLOW STABILITY
- FLUID AMPLIFIERS
- FLUID DYNAMICS
- FREE CONVECTION
- GAS FLOW
- GUST ALLEVIATORS
- INVISID FLOW
- ISOTROPIC TURBULENCE
- KOLMOGOROFF THEORY
- LAGRANGE SIMILARITY HYPOTHESIS
- LAMINAR FLOW
- LIQUID FLOW
- MASS FLOW
- MIXING LENGTH FLOW THEORY
- MULTIPHASE FLOW
- NONUNIFORM FLOW
- OPEN CHANNEL FLOW
- ORIFICE FLOW
- PARTICLE LADEN JETS
- PERIOD DOUBLING
- PIPE FLOW
- PRESSURE OSCILLATIONS
- RECIRCULATIVE FLOW FLOW
- REYNOLDS NUMBER
- REYNOLDS STRESS
- ROTATING FLUIDS
- SINGLE-PHASE FLOW
- STEADY FLOW
- STEAM FLOW
- SUBCRITICAL FLOW
- SUPERCritical FLOW
- TOLLEMEN-SCHLICHTING WAVES
- TRANSITION LAYERS
- TURBULENCE
- TURBULENT HEAT TRANSFER
- TURBULENT MODELS
- TWO PHASE FLOW
- UNIFORM FLOW
- VISCOUS DRAG
- VISCOUS FLOW
- VORTEX AVOIDANCE
- VORTEX BREAKDOWN
- VORTEX JETS
- VORTEX TRANSPORT HYPOTHESIS

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- GS TRANSMISSION
- HEAT TRANSMISSION
- HEAT TRANSFER
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- CONVECTIVE HEAT TRANSFER
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- GS MIXING
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- RT AGITATION
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- MIXING LENGTH FLOW THEORY
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- LAMINAR WAKES
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- VORTEX ADVISORY SYSTEM
- VORTEX SHEETS

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- GS FLUID FLOW
- TURBULENT FLOW
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- SUPERCAVITATING FLOW
- RT AERODYNAMIC INTERFERENCE
- AERODYNAMICS
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- FLIGHT PATHS
- HORIZONTAL FLOW
- LATERAL OSCILLATION
- LATERAL STABILITY
- MEANINGERS
- MOMENTUM
- ROLL
- YAW

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- USE CL-41 AIRCRAFT

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- USE THRUST VECTOR CONTROL

TWISTED WINGS
- GS AIRFOILS
- ANGLE OF ATTACK
- RT TWISTED WINGS
- FIXED WINGS
- FLEXIBLE WINGS
- RING WINGS
- UNCAMBERED WINGS

TWO DIMENSIONAL BODIES
- RT BODIES
- CROSS SECTIONS
- DUCTED BODIES
- MATHEMATICAL MODELS
- SURFACES

TWO DIMENSIONAL BOUNDARY LAYER
- GS BOUNDARY LAYERS
- RT TWO DIMENSIONAL BOUNDARY LAYER
- LS LAMINAR BOUNDARY LAYER
- SUPERCritical BOUNDARY LAYER
- TURBULENT BOUNDARY LAYER

TWO DIMENSIONAL FLOW
- GS FLUID FLOW
- TWO DIMENSIONAL FLOW
- COUETTE FLOW
- RT AXIAL FLOW
- BLASUS FLOW
- CAPILLARY WAVES
- COAXIAL FLOW
- FLOW GEOMETRY
- HARTMANN FLOW
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- PRANDTL-MEYER EXPANSION
- RADIAL FLOW
- RAYLEIGH WAVES
- STEADY FLOW
- STREAM FUNCTIONS (FLUIDS)
- TAYLOR INSTABILITY
- THREE DIMENSIONAL FLOW
- WALL FLOW
- WEDGE FLOW

TWO DIMENSIONAL JETS
- RT JET FLOW
- JET MIXING FLOW
- JETS
- WALL FLOW

TWO DIMENSIONAL MODELS
- GS MODELS
- RT TWO DIMENSIONAL MODELS
- COMPUTERIZED SIMULATION
- MATHEMATICAL MODELS
- THREE DIMENSIONAL MODELS

TWO FLUID MODELS
- RT BOLTZMANN DISTRIBUTION
- LIQUID HELIUM
- MAGNETOHYDRODYNAMIC FLOW
- MIXING LAYERS (FLUIDS)
- ROTATING PLASMA
- SHOCK WAVE PROPAGATION
- SUPERFLUIDITY

TWO PHASE FLOW
- GS FLUID FLOW
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- Multi-phase Flow
- Two Phase Flow
RT Gas Flow
Laminar Flow
Liquid Flow
Pressure Drop
Single Phase Flow
Solid Flow
Turbulent Flow

TWO STAGE TURBINES
GS Turbomachinery
- Turbines
- Two Stage Turbines
RT Gas Turbine Engines
Steam Turbines

TJ2 AIRCRAFT
USE T-2 AIRCRAFT

TJ3 AIRCRAFT
USE T-38 AIRCRAFT

U (UFO)
- Use Manometers

U TUBES
- Use Manometers

U-2 AIRCRAFT
UF Lockheed U-2 Aircraft
WU-2 Aircraft
GS Jet Aircraft
U-2 Aircraft
- Locked Aircraft
U-2 Aircraft
Monoplanes
U-2 Aircraft
Observation Aircraft
- U-2 Aircraft
Research Aircraft
- U-2 Aircraft
Utility Aircraft
- U-2 Aircraft
RT ~ Aircraft

ULTRA LOW TEMPERATURE
USE Cryogenic Temperature

ULTRASONIC CLEANING
GS Cleaning
- Ultrasonic Cleaning
Acoustics
Cavitation Flow
Cleaners
Etching
Fluid Flow
Grinding Machines
Machine Tools
Piezoelectric Transducers
Polishing
Tools
Transducers
Ultrasonics

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- Acoustic Sounding
Dynamic Modulus Of Elasticity
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Materials Tests
Nondestructive Tests
SH Waves

ULTRASONIC WAVE TRANSDUCERS
GS Transducers
- Ultrasonic Wave Transducers
RT Electroacoustics
Electronic Transducers
Microphones
Pressure Sensors
Sonar
Surface Acoustic Wave Devices
Ultrasonics
Underwater Acoustics

ULTRASONIC SPECTROGRAPHS
USE Ultraviolet Spectrometers

ULTRASONIC SPECTROMETERS
RT ultrasonic Spectrometers
- Optical Measuring Instruments
- Photometers
- Ultraviolet Spectrometers
- Total Ozone Mapping Spectrometers
- Radiation Measuring Instruments
- Actinometers
- Ultraviolet Detectors
- Ultraviolet Spectrometers
- Total Ozone Mapping Spectrometer
- Photometers
- Ultraviolet Spectrometers
- Total Ozone Mapping Spectrometer
- Spectrometers
- Ultraviolet Spectrometers
- Total Ozone Mapping Spectrometer
- Ebert Spectrometers
- Solar Maximum Mission
- Solar Spectrometers

UNCAMBERED WINGS
GS Airfoils
- Wings
- Uncambered Wings
- Slotted Wings
- Thin Wings
- Twisted Wings

UNCONTROLLED REENTRY (SPACECRAFT)
GS Atmospheric Entry
- Reentry
- Hypersonic Reentry
- Uncontrolled Reentry
(spacecraft)
- Spacecraft Reentry
- Uncontrolled Reentry
(spacecraft)
- Spacecraft
- Aerodynamic Heating
- Cosmos 954 Satellite
- Descent
- Flight Paths
- Plasma Sheaths
- Spacecraft Breakup
- Spacecraft Survivability

UNDAMPED OSCILLATIONS
GS Oscillations
- Undamped Oscillations
- ACOUSTIC SOUNDING
- Dynamic Modulus Of Elasticity
- Lamb Waves
- Materials Tests
- Nondestructive Tests
- SH Waves

UNDAMPED OSCILLATIONS (CONT.)
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- Ultrasonics
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V/STOL AIRCRAFT

XV-7 AIRCRAFT
XV-15 AIRCRAFT
SHORT TAKEOFF AIRCRAFT
ALADIN 2 AIRCRAFT
BREGUET 941 AIRCRAFT
C-8A AUGMENTOR WING AIRCRAFT
C-15 AIRCRAFT
C-123 AIRCRAFT
DHC 4 AIRCRAFT
DHC 5 AIRCRAFT
QUESTOL U-10 AIRCRAFT
VERTICAL TAKEOFF AIRCRAFT
FLYING PLATFORMS
SC-1 AIRCRAFT
VJ-101 AIRCRAFT
VZ-8 AIRCRAFT
X-13 AIRCRAFT
X-14 AIRCRAFT
X-19 AIRCRAFT
X-22 AIRCRAFT
X-22A AIRCRAFT
XC-142 AIRCRAFT
XV-4 AIRCRAFT
XV-11A AIRCRAFT
VZ-2 AIRCRAFT
XV-322D AIRCRAFT
XV-5 AIRCRAFT
XH-4 AIRCRAFT
RT AIRCRAFT

ANTISUBMARINE WARFARE AIRCRAFT
ATTACK AIRCRAFT
COMMERCIAL AIRCRAFT
CONVERTIBLE FAN-SHAFT ENGINES
DRONE AIRCRAFT
FAN IN WING AIRCRAFT
FIGHTER AIRCRAFT
GROUND EFFECT MACHINES
HELIPORTS
HOVERING
JET AIRCRAFT

VACUUM APPARATUS

GS VACUUM APPARATUS

VACUUM APPARATUS

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VIBRATION EFFECTS (CONT.)

VIBRATION MEASUREMENTS
- MECHANICAL STRESSES
- MECHANICAL LOADS
- VIBRATION MEASUREMENTS
- FREQUENCY MEASUREMENTS
- MEASUREMENTS

VIBRATION SIMULATORS
- VIBRATION SIMULATORS
- VIBRATION SIMULATORS
- VIBRATION EFFECTS
- VIBRATION EFFECTS
- VIBRATION EFFECTS

VIBRATION TESTING MACHINES
- USE VIBRATION SIMULATORS
- USE VIBRATION SIMULATORS
- USE VIBRATION SIMULATORS

VIBRATIONAL STRESS
- STRESSES
- STRESSES
- STRESSES

VIBRATION TESTS
- TESTS
- TESTS
- TESTS
- TESTS

VIBRATORY LOADS
- LOADS
- LOADS
- LOADS
- LOADS

VIBROMETERS
- USE VIBRATION MACHINES
- USE VIBRATION MACHINES
- USE VIBRATION MACHINES

VICKERS SCIMITAR AIRCRAFT
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VICKERS VALIANT AIRCRAFT
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VICKERS VC-10 AIRCRAFT
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VICTOR MK-1 AIRCRAFT
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VISCOMETERS
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VISCOELASTICITY
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VZ-2 AIRCRAFT

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HAWKER SIDDELEY AIRCRAFT
VULCAN AIRCRAFT
JET AIRCRAFT
VULCAN AIRCRAFT
TAILLESS AIRCRAFT
VULCAN AIRCRAFT
RT AIRCRAFT
ARVIO 7O7 AIRCRAFT
HARRIER AIRCRAFT

VZ-2 AIRCRAFT
GS BOEING AIRCRAFT
VZ-2 AIRCRAFT
RESEARCH AIRCRAFT
VZ-2 AIRCRAFT
TILT WING AIRCRAFT
VZ-2 AIRCRAFT
VZ-2 AIRCRAFT

RT AIRCRAFT
FLYING PLATFORMS

W WINGS
USE VARIABLE SWEEP WINGS

WAKES
GS WAKES
- AIRCRAFT WAKES
- HELICOPTER WAKES
- SLIPSTREAMS
- PROPELLER SLIPSTREAMS
- HYPERSONIC WAKES
- LAMINAR WAKES
- NEAR WAKES
- SUPERSONIC WAKES
- TURBULENT WAKES
- SLIPSTREAMS
- PROPELLER SLIPSTREAMS
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BUBBLES
CAVITATION FLOW
CONTRAIS
DOWNWASH
DRAFT
DRAG
GROUND EFFECT (AERODYNAMICS)
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STROHLAAL NUMBER
TURBULENCE
VORTEX ALLEVATION
VORTICES

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GS FLUID FLOW
- WALL FLOW
RT BOUNDARY LAYER FLOW
CHANNEL FLOW
CONICAL FLOW
DISCHARGE COEFFICIENT
DUCTED FLOW
GOETTEN INSTABILITY
HEAT TRANSMISSION
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TWO DIMENSIONAL FLOW
TWO DIMENSIONAL JETS

WALL JETS
RT FLUID AMPLIFIERS
JET BOUNDARIES
JET FLOW
JET VANES
JETS
WALL PRESSURE
GS PRESSURE

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PRESSURE DISTRIBUTION
PRESSURE VESSELS
THICK WALLS

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- SURFACE TEMPERATURE
- WALL TEMPERATURE
- TEMPERATURE DISTRIBUTION
- WALL TEMPERATURE
- WALL TEMPERATURE

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- INTERNAL COMBUSTION ENGINES
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- AIRCRAFT ENGINES
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WATER

WATER-(CONT.)
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ICE
ISTHMIUSES
LAKE ERIE
LAKE HURON
LAKE IRE
LAKE MICHIGAN
LAKE ONTARIO
LAKE SUPERIOR
LATERITSES
LIFE SUPPORT SYSTEMS
LIMNOLOGY
LIQUIDS
MODERATORS
MOISTURE
MOISTURE CONTENT
MUSKEGS
OXIDES
PENINSULAS
POLLUTION
PRECIPITATION (METEOROLOGY)
RUNWAY CONDITIONS
SLUSH
SOUNDS (TOPOGRAPHIC FEATURES)
STEAM
STRAYS
UTILITIES
WATERSHEDS
WHARVES
WINDPOWERED PUMPS

WATER CIRCULATION
GS CIRCULATION
- WATER CIRCULATION
- WATER CURRENTS
- OCEAN CURRENTS
- COASTAL CURRENTS
- EL NINO
- GULF STREAM
- LOMONOSOV CURRENT
RT LAKES
OCEANOGRAPHY
POLLUTION TRANSPORT
WIND EFFECTS

WATER CURRENTS
GS CURRENTS (OCEANOGRAPHY)
- WATER CIRCULATION
- WATER CURRENTS
- OCEAN CURRENTS
- COASTAL CURRENTS
- EL NINO
- GULF STREAM
- LOMONOSOV CURRENT
RT ARROYOS
- CURRENTS
OCEANOGRAPHY
RAPS
SEA ROUGHNESS
SEA STATES
SURFACE WAVES
TIDES
UPSTREAM

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GS FLUID FLOW
- LIQUID FLOW
- WATER FLOW
RT ALLUVIUM
CANALS
DRAINAGE
DRAINAGE PATTERNS
FLOOD DAMAGE
FLOWS
FLOW MEASUREMENT
GREAT LAKES (NORTH AMERICA)
GROUND WATER
HYDRAULICS
HYDRODYNAMICS
HYDROLOGY MODELS
OPEN CHANNEL FLOW
PIPE FLOW
RAPIDS
WATERSHEDS

WATER HAMMER
RT HYDRAULIC EQUIPMENT
HYDRODYNAMICS
PIPE FLOW
PIPELINES
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WIND VELOCITY MEASUREMENT

WIND VELOCITY-(CONT.)
HOT-FILM ANEMOMETERS
SEA-ROUGHNESS
WIND TURBINES
WINOMILLS (WINDPOWERED MACHINES)
WINDPOWER UTILIZATION
WINDPOWERED GENERATORS

WIND VELOCITY MEASUREMENT
GS MECHANICAL MEASUREMENT
VELOCITY MEASUREMENT
WIND VELOCITY MEASUREMENT
WIND VELOCITY MEASUREMENT
RT ANEMOMETERS
HOT-FILM ANEMOMETERS

WINDMILLING
USE AUTOROTATION

WINDOWS
USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW
RT INFRARED WINDOWS
PORTS (OPENINGS)
WAVEGUIDE WINDOWS
WINDOWS (APERTURES)
WINDOWS (INTERVALS)

WINDOWS (APERTURES)
SN (EXCLUDES INTERVALS IN TIME, FREQUENCY, ENERGY AND SO ON)
RT APERTURES
= BARRIERS
CURTAINS
DOORS
DUCTS
OPENINGS
OPTICAL MATERIALS
PORTS (OPENINGS)
SEPARATORS
SHIELDING
VENTS
WINDOWS
WINDSHIELDS

WINDPOWER UTILIZATION
UF WIND ENERGY
GS UTILIZATION
WINDPOWER UTILIZATION
AIRCRAFT
RT AIR CURRENTS
AIR MASSES
ATMOSPHERIC CIRCULATION
CLEAN ENERGY
EARTH RESOURCES
GROUND WIND
SEA BREEZE
VANES
WIND (METEOROLOGY)
WIND PRESSURE
WIND TURBINES
WIND VELOCITY
WINOMILLS (WINDPOWERED MACHINES)
WINDPOWERED GENERATORS
WINDPOWERED PUMPS

WINDS ALOFT
GS WIND (METEOROLOGY)
WINDS ALOFT
... GEOSTROPHIC WIND
... JET STREAMS (METEOROLOGY)
RT CIRCUMPOLAR WESTERLIES
SEA BREEZE
VERTICAL AIR CURRENTS

WINDSCREENS
USE WINDSHIELDS

WINDSHIELDS
USE WINDSHIELDS

WING CAMBER
GS CAMBER
RT CAMBERED WINGS
CONICAL CAMBER

WING CAMBER-(CONT.)
MISSION ADAPTIVE WINGS

WING FLAPS
UF JET AUGMENTED WING FLAPS
GS AIRFOILS
WING FLAPS
FLAPS (CONTROL SURFACES)
LEADING EDGE FLAPS
LEADING EDGE SLATS
TRAILING EDGE FLAPS
VORTEX FLAPS
BRAKES (FOR ARRESTING MOTION)
AEROACOUSTIC BRAKES
WING FLAPS
LEADING EDGE FLAPS
LEADING EDGE SLATS
TRAILING EDGE FLAPS
VORTEX FLAPS
AIRCRAFT BRAKES
... WING FLAPS
... LEADING EDGE SLATS
... TRAILING EDGE FLAPS
... FLAPS (CONTROL SURFACES)

WING FLOW METHOD TESTS
RT FLIGHT TESTS
FLUID FLOW
GROUND TESTS
= METHODOLOGY
= TESTS
TRANSONIC WIND TUNNELS

WING LOADING
GS AEROACOUSTIC FORCES
WING LOADING LOADS (FORCES)
DYNAMIC LOADS
WING LOADING
AEROELASTICITY
EDGE LOADING
FORCE DISTRIBUTION
GUST LOADS
LEADING EDGE THRUST
STATIC LOADS
SWEET EFFECT
VORTEX FLAPS

WING NACELLE CONFIGURATIONS
GS AEROACOUSTIC CONFIGURATIONS
WING NACELLE CONFIGURATIONS
AIRCRAFT
AIRFRAMES
EXTERNALLY BLOWN FLAPS

WING OSCILLATIONS
GS OSCILLATIONS
AIRFOIL OSCILLATIONS
WING OSCILLATIONS
AEROELASTIC RESEARCH WINGS
FLAPPING
FLUTTER
STABLE OSCILLATIONS
UNSTABLE OSCILLATIONS
UNSTEADY AEROACOUSTIC VIBRATION

WING PANELS
GS PANELS
WING PANELS
STRUCTURAL MEMBERS
WING PANELS
RECTANGULAR PANELS
WINGS

WING PLANFORMS
GS PLANFORMS
... WING PLANFORMS
CHANNEL WINGS
INFINITE SPAN WINGS
SWEET FLOW WINGS
TRAPEZOIDAL WINGS
SWEEPBACK WINGS
ARROW WINGS
DELTA WINGS
TRAPEZOIDAL WINGS
VARIABLE SWEET WINGS

WING PROFILES
GS AIRFOIL PROFILES
... WING PROFILES
... WING SPAN

WING ROOTS
AEROACOUSTIC CONFIGURATIONS
AIRCRAFT CONFIGURATIONS
DROPPED AIRFOILS
FAIRINGS
=ROOTS

WING SLOTS
GS SLOTS
... WING SLOTS
BOUNDARY LAYER CONTROL
LEADING EDGE SLOTS
VORTEX GENERATORS

WING TANKS
GS TANKS (CONTAINERS)
... WING TANKS
... CONTAINERS
EXTERNAL STORE SEPARATION
EXTERIO STORES
EXTERNAL TANKS
JETTISON SYSTEMS
WING-FUSELAGE STORES

WING TIP VORTICES
GS VORTICES
WING TIP VORTICES
... BLADE-VORTEX INTERACTION
FLOW DISTORTION
HORSESHOE VORTEX
ROTATING FLUIDS

WING TIPS
GS TIPS
... WING TIPS
... AIRFOIL PROFILES
BLADE TIPS
JOINED WINGS
WINGS

WIND-FUSELAGE STORES
... EXTERNAL STORE SEPARATION
EXTERNAL STORES
FUSELAGES
NADELLES
PODS (EXTERNAL STORES)
XH-51 HELICOPTER

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ZERO LIFT-(CONT.)
RT AERODYNAMIC STALLING
BOUNDARY LAYER SEPARATION
DISTRIBUTION (PROPERTY)

ZEUS MISSILE
USE NIKE-ZEUS MISSILE

ZUNI ROCKET VEHICLE
GS ROCKET VEHICLES
- SINGLE STAGE ROCKET VEHICLES
- ZUNI ROCKET VEHICLE
RT SOLID PROPELLANT ROCKET ENGINES
This publication contains the controlled vocabulary used by the NASA Scientific and Technical Information effort to index documents in the area of aeronautics. The terms comprise a subset of the 1988 edition of the NASA Thesaurus and its supplements issued through the end of 1990. The Aeronautics Vocabulary contains over 4700 terms presented in a hierarchical display format. In addition to aeronautics per se, the vocabulary covers supporting terminology from areas such as fluid dynamics, propulsion engineering, and test facilities and instrumentation.