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Created by
The Institute of
Electrical and
Electronics
Engineers (IEEE)



The IEEE Thesaurus is a controlled vocabulary of almost 10,410 descriptive engineering, technical and scientific terms, as well as IEEE-specific society terms [referred to as "descriptors" or "preferred terms"] .* Each descriptor included in the thesaurus represents a single concept or unit of thought. The descriptors are considered the preferred terms for use in describing IEEE content. The scope of descriptors is based on the material presented in IEEE journals, conference papers, standards, and/or IEEE organizational material. A controlled vocabulary is a specific terminology used in a consistent and controlled fashion that results in better information searching and retrieval.

Thesaurus construction is based on the ANSI/NISO Z39.19-2005(2010) standard, Guidelines for the Construction, Format, and Management of Monolingual Controlled Vocabulary. The Thesaurus vocabulary uses American-based spellings with cross references to British variant spellings. The scope and structure of the IEEE Thesaurus reflects the engineering and scientific disciplines that comprise the Societies, Councils, and Communities of the IEEE in addition to the technologies IEEE serves.

IEEE has developed its controlled vocabulary through consultation with subject matter experts (specialists in a particular field) and specialists in information analysis. The IEEE Thesaurus thus provides a controlled vocabulary of subject headings to help people categorize or search for engineering and computing concepts, especially IEEE published content.

The IEEE Thesaurus also provides a conceptual map through the use of semantic relationships such as broader terms (BT), narrower terms (NT), 'used for' relationships (USE/UF), and related terms (RT). These semantic relationships identify theoretical connections between terms. Italic text denotes Non-preferred terms.

Bold text is used for preferred headings.

Abbreviations used in the Thesaurus:

BT - Broader term

NT - Narrower term

RT - Related term

USE- Use preferred term

UF - Used for

*Refer to ANSI/NISO NISO Z39.19-2005 (R2010) Sections 5 through 8 for detailed information on controlled vocabularies, display formats, usage and spelling, and selection criteria for descriptors (http://www.niso.org/kst/reports/standards).



1/f noise 3D accelerators

UF: 1f USE: Hardware acceleration

Pink noise

BT: Noise 3D displays

> USE: Three-dimensional

1f

1/f noise USE:

3D modeling

displays

2-D displays USE:

USE:

USE: Three-dimensional

Two dimensional displays

displays

3D modelling

2-d hole gas USE: Three-dimensional

> USE: Two dimensional hole displays

gas

3D printing

Three-dimensional 2-D photonic crystals USE:

Photonic crystals printing

21CN 3D reconstruction

USE: Next generation USE: Three-dimensional

networking displays

21st century networks 3G

> USE: Next generation USE: 3G mobile

networking communication

2D displays **3G** mobile communication

> Two dimensional UF: 3G

3rd generation mobile displays

communication

2d hole gas IMT-2000

Two dimensional hole Third generation USE:

mobile communication gas

2D photonic crystals Universal mobile USE: Photonic crystals telecommunication service

Mobile communication BT:

3-D displays 4G mobile RT:

USE: Three-dimensional communication

displays Ambient networks Land mobile radio

3-D modeling cellular systems

Three-dimensional USE: MIMO communication

displays Multiaccess

communication

3-D modelling Next generation

USE: Three-dimensional networking

OFDM displays Radio access networks

3-D reconstruction Spread spectrum

USE: Three-dimensional communication

displays Telecommunication

computing



Time division 5G

synchronous code division multiple USE: 5G mobile

access communication

3G partnership project 5G mobile communication

> USE: 3GPP UF:

> > 5th generation mobile

3GPP systems UF:

3G partnership project 5th generation systems 3rd generation 5th generation

partnership project wireless systems

> BT: Standards BT: Mobile communication

RT: 4G mobile organizations

communication **3GPP Standards** Land mobile radio

Standards publications Land mobile radio BT:

NT: Long Term Evolution cellular systems

Next generation

3rd generation mobile communication networking

USE: 3G mobile Ultra-dense networks

communication 5th generation mobile systems

USF: 5G mobile 3rd generation partnership project

> USE: communication 3GPP

4G mobile communication 5th generation systems

UF: 4th generation mobile USE: 5G mobile

communication communication

Mobile communication

BT:

USE:

3G mobile RT: 5th generation wireless systems

5G mobile communication USE:

5G mobile communication

communication Land mobile radio 802.11

USE: IEEE 802.11 Standard cellular systems

Long Term Evolution

Next generation 802.11e

IEEE 802.11e Standard USE: networking

Radio access networks Spread spectrum 802.11g

communication USE: IEEE 802.11g Standard

Telecommunication

computing 802.11n

4G mobile

Time division USE: IEEE 802.11n Standard

synchronous code division multiple

access 802.15 USE: IEEE 802.15 Standard

4K UHD

USE: **UHDTV** 802.16

USE: IEEE 802.16 Standard

4th generation mobile communication

802.3

communication USF: IEEE 802.3 Standard

8K UHD BT:

> USE: **UHDTV** RT: Information retrieval

> > Information services

9/11

USE: Terrorism AC generators

> UF: Alternating current

9/11 attack generators USE:

Terrorism BT: Generators

Pulse width modulation RT:

911 attack NT: Induction generators USE: Terrorism Synchronous generators

AC Llght emitting diode lamps A/D

USE: Analog-digital USE: LED lamps

conversion

AC machines

A/D conversion Alternating current

USE: Analog-digital machines

conversion BT: Electric machines

RT: AC-AC converters A/D converter Pulse width modulation

Sensorless control USE: Analog-digital conversion

Windings AC motors NT:

Induction machines AALAmbient assisted USE: Synchronous machines

living

Abdomen

ABC algorithms Alternating current UF:

USF: Artificial bee colony motors

algorithm BT: AC machines

Motors

RT: Pulse width modulation

Pulse width modulation BT: Body regions

AC motors

inverters

Abrasive water jet cutting Space vector pulse

USE: Water jet cutting width modulation

NT: Hysteresis motors

Induction motors **Abrasives**

BT: Production materials AC-AC converters

Absorption UF: AC-AC convertors

> Materials science and BT: AC-AC power conversion

technology BT: Converters

> Power conversion Semiconductor

detectors RT: AC machines

Abstract algebra AC-AC convertors

> AC-AC converters BT: Algebra USE:

> NT: Galois fields

Modules (abstract AC-AC power conversion

algebra) USE: AC-AC converters

Abstracts AC-DC power converters



UF: AC-DC power convertors UF: Acceleration

AC/DC power converters measurement

Analog-to-digital BT: Measurement RT: Acceleration

Analog-to-digital

converter

convertor Access control

BT: Power conversion BT: Security

RT: Machine vector control RT: Biometrics (access

Pulse width modulation control) inverters

Building services

Voltage multipliers Capability-based

Voltage-source security converters

erters Communication system
NT: Rectifying circuits security

Computer security

AC-DC power convertors Countermeasures
USE: AC-DC power converters (computer)

Identification of

Tuenti i Cation of

AC-LED lamps persons

USE: LED lamps Smart cards
Trust management

AC/DC power converters Whitelists
USE: AC-DC power converters NT: Authorization

Blacklisting

ccelerated aging

Multi-factor

Accelerated aging Multi-f
BT: Aging authentication

Materials testing Password

Accelerated computing Access point base station

USE: Hardware acceleration USE: Femtocell networks

Accelerated testing Access protocols

USE: Life estimation BT: Protocols RT: CAPTCHAs

Acceleration NT: Media Access Protocol

BT: Mechanical factors

RT: Accelerometers Access rights

Gravity USE: Permission

Acceleration measurement Accident prevention

USE: Accelerometers BT: Industry applications RT: Explosion protection

Accelerator architectures Preventive maintenance

BT: Computer architecture Risk analysis

Computer architecture Risk analysis
Safety devices
heams NT: Accidents

Accelerator beams NT: Accidents
USE: Particle beams

Accidents

Accelerator magnets
BT: Magnetic devices
BT: Domestic safety

Particle accelerators

Electric shock

Emergency services

Accelerometers Explosions

Explosions Fires

Hazardous areas BT: Acoustics

Occupational health RT: Piezoelectric devices Acoustic waveguides Occupational safety NT: Oil pollution Acoustoelectric

Product safety devices

Risk analysis

Aerospace accidents

Electrical accidents Industrial accidents Marine accidents

Railway accidents

Road accidents

resonators

Surface acoustic wave

devices

devices

Accreditation

BT: Educational programs Conformance testing RT:

Training

Accuracy

BT: Mathematics

Acoustic applications

NT:

Ultrasonic UF:

applications

BT: Acoustics

RT: Acoustic measurements Biomedical acoustics

NT: Acoustic communication

(telecommunication)

Acoustic imaging Acoustic testing

Acoustic arrays

BT: Acoustic transducers

RT: Acoustic signal

processing

Array signal

processing

Sonar

Acoustic beams

BT: **Beams**

Acoustic communication (telecommunication)

> BT: Acoustic applications

> > Telecommunication

services

RT: Mobile communication

OFDM

Wireless networks

Acoustic devices

Ultrasonic devices

Acoustic diffraction

BT: Acoustic propagation

Acoustic distortion

BT: Distortion RT: Acoustic noise Acoustic signal

processing

Loudspeakers

Nonlinear acoustics

Acoustooptic devices

Bulk acoustic wave

Film bulk acoustic

Acoustic distortion measurement

USE: Distortion measurement

Acoustic emission

BT: Acoustics RT: Acoustic noise Acoustic testing

Nondestructive testing

Acoustic imaging

BT: Acoustic applications RT: Acoustic testing

Oceanographic

techniques

Acoustic materials

UF: Acoustic metamaterials

BT: Materials RT: Piezoelectric

materials

Acoustic measurements

BT: Measurement

RT: Acoustic applications

> Acoustic testing Anechoic chambers Biomedical acoustics Frequency measurement Phase measurement Seismic measurements

UF:



Wavelength measurement BT: Signal detection RT: Acoustic noise Sonar detection Acoustic metamaterials NT:

BT:

RT:

NT:

Acoustic surface waves USE:

Acoustic testing

BT:

RT:

Acoustic waveguides BT:

UF:

BT:

RT:

NT:

Acoustic waves

attenuation

effects

Signal processing Acoustic arrays

Speech processing

Acoustic distortion

Acoustic transducers

Active noise reduction

Surface acoustic waves

Acoustic applications

Photoacoustic effects

Materials testing

Acoustic emission

Acoustic imaging Acoustic measurements

Acoustic arrays

Acoustic devices

Acoustic wave

Seismic waves

Acoustoelectric

Acoustic refraction

Surface acoustic waves

Acoustics

Attenuation

USE: Acoustic materials AND

Metamaterials Acoustic signal processing UF: Audio enhancement

Acoustic noise

Audible noise UF:

Audio restoration

BT: Acoustics

RT: Acoustic distortion

> Acoustic emission Acoustic signal

detection

Environmental factors

Mechanical factors

Vibrations

NT: Background noise

Noise cancellation

Noise level Noise reduction Working environment

noise

Acoustic phonetics Acoustic transducers

> BT: BT: Acoustics **Transducers**

Phonetics RT: Acoustic signal

processing

Acoustic propagation Array signal

BT: Acoustics processing

RT: Acoustic pulses NT:

NT:

Acoustic diffraction Acoustic wave attenuation

USE: Acoustic waves AND

Acoustic pulses

BT: Acoustics

Waves

RT: Acoustic propagation

Acoustic reflection

RT. Reflection

RT: Acoustic scattering

Acoustic refraction

BT: Acoustic waves

Acoustic scattering

BT: Scattering

RT: Acoustic reflection

Waves

Acoustical engineering

Engineering - general Acoustic sensors BT:

BT: Sensors

Acoustics

Acoustic signal detection UF: Ultrasonics



BT: Physics USE: Magnetoacoustic

RT: Acoustoelectric effects

effects

Fourier transforms Acoustooptic devices

Magnetoacoustic BT: Acoustic devices RT: Acoustooptic effects

Actinium

Acquired immune deficiency syndrome

Acquired immunodeficiency syndrome

Acquired immune

Chemical elements

Physiology Axons

White matter

Sludge treatment

Chemical analysis

Neurons

Bioelectric potentials

Membrane potentials

AIDS

UF:

BT:

BT:

RT:

USE:

BT:

effects

Phonons Acoustooptic effects Resonators

Vibrations BT: Acoustics

NT: Acoustic applications RT: Acoustooptic devices Acoustic devices NT: Piezooptic effects

Acoustic emission Acoustic noise Acoustic phonetics

Acoustic propagation Acquired Acoustic pulses immunodeficiency syndrome Acoustic waves BT: Diseases

Acoustooptic effects Biomedical acoustics Cepstral analysis

USE: Music deficiency syndrome

Nonlinear acoustics Psychoacoustics Reverberation Spectral shape

Underwater acoustics

Action potentials UF:

Acoustoelectric devices

Electroacoustic

devices

BT: Acoustic devices

RT: Acoustoelectric

effects

Piezoelectric devices Activated sludge process

Pulsed electroacoustic

methods

Surface acoustic wave **Activation analysis**

devices

Acoustoelectric effects Active appearance model

UF:

UF: Electroacoustic BT: Computer vision

effects

devices

Active circuits BT: Acoustic waves BT:

Electric fields Circuits

RT: Acoustics NT: Active inductors

Acoustoelectric Gyrators

Operational amplifiers

Active contours materials

Semiconductor

NT: Pulsed electroacoustic BT: Motion analysis

methods

Active disturbance rejection control

Acoustomagnetic effects USE: Robust control



Active filters Thin film transistors

BT: **Filters**

NT: Band-pass filters Active noise reduction

Active inductors

BT: Active circuits

Inductors

RT: Gyrators

Integrated circuits

MOSFET circuits

Active matrix addressing

Active matrix BT:

technology

Active matrix liquid crystal displays

UF: **AMLCDs**

Active-matrix liquid-

crystal displays

BT: Active matrix

technology

Liquid crystal

displays

Active matrix organic LEDs

Active matrix organic

light emitting diodes

Active matrix organic light emitting diodes

UF: AMOLEDS

Active matrix organic

LEDs

Active matrix organic

light-emitting diodes

BT: Active matrix

technology

Organic light emitting

diodes

Active matrix organic light-emitting

diodes

Active matrix organic USE:

light emitting diodes

Active matrix technology

Active-matrix UF: BT: Displays

NT: Active matrix

addressing

Active matrix liquid

crystal displays

Active matrix organic

light emitting diodes

BT: Acoustic signal

processing

Noise reduction

Echo cancellers NT:

Active pixel sensors

BT: Image sensors

Active RFID tags

BT: RFID tags

Active shape model

BT: Image processing

Pattern recognition

Active-matrix

USE: Active matrix

technology

Active-matrix liquid-crystal displays

Active matrix liquid USE:

crystal displays

Activities

USE: IEEE activities

Activity recognition

BT: Cognition

Pattern recognition

Sensor systems

RT: Computer vision

Actuators

UF: Dielectric

electroactive polymer actuators

Electroactive polymer

actuators

Electrostrictive

polymer actuators

Ionomeric polymer-

metal composite actuators

Nanoactuators

BT: Control equipment Control systems RT:

> Servomechanisms Servosystems

Shape memory alloys

NT: Dielectric elastomer

actuators

Electrostatic

actuators



Hydraulic actuators UF: Adaptive codes Intelligent actuators BT: Data compression

Microactuators Piezoelectric

actuators

Pneumatic actuators

Ad hoc networks

BT: Computer networks RT: Cross layer design Data communication

Land mobile radio Mobile computing

Multicast

communication

Protocols Wireless LAN Wireless sensor

networks

NT: AODV

Mesh networks

Mobile ad hoc networks

Vehicular ad hoc

networks

Ad hoc On Demand Distance Vector

USE: AODV

Adaptation models

Adaptive algorithms BT:

Adaptive algorithms

BT: Algorithms

NT: Adaptation models

Adaptive antenna arrays

USE: Adaptive arrays

Adaptive arrays

UF: Adaptive antenna

arrays

BT: Antenna arrays RT: Adaptive signal

detection

Array signal

processing

Radar countermeasures

Radio communication

countermeasures

Adaptive coding

Adaptive codes

USE: Adaptive coding Adaptive control

UF: Self-tuning regulators

BT: Adaptive systems Cognitive systems RT: Control systems

> Disturbance observers Iterative learning

control

Adaptive equalisers

USE: Adaptive equalizers

Adaptive equalizers

UF: Adaptive equalisers

BT: Equalizers

Adaptive estimation

BT: **Statistics**

Adaptive filters

Adaptive signal BT:

processing

Adaptive learning

BT: Education

RT: Distance learning

Human computer

interaction

User interfaces

Adaptive mesh refinement

BT: Numerical analysis

Adaptive optics

BT: Optics 0

Adaptive scheduling

BT: Scheduling

RT: Adaptive systems

Production control

Adaptive signal detection

BT: Adaptive signal

processing

RT: Adaptive arrays

Blind source

separation

Source separation

Adaptive signal processing

BT: Signal processing



NT: Adaptive filters UF: Fuel additives Adaptive signal BT: Materials

Production materials detection RT:

Adaptive systems

Cybernetics BT:

Systems engineering

and theory

RT: Adaptive scheduling

> Learning systems Neural networks

NT: Adaptive control

Cognitive radar Line enhancers Multi-agent systems

Variable structure

systems

ADAS

USE: Advanced driver

assistance systems

Add-drop multiplexers

Multiplexing equipment BT:

NT: Optical add-drop

multiplexers

Added delay

BT: Delay systems

Adders

BT: Circuits

Digital integrated RT:

circuits

Logic circuits

Additive manufacturing

USE: Three-dimensional

printing

Additive metric

Maximum likelihood USE:

detection

Additive noise

BT: Noise AWGN NT:

Additive white noise

Additive white noise

BT: Additive noise RT: Gaussian noise

Adenoviridae

USE: Adenoviruses

Adenoviruses

UF: Adenoviridae BT: Microorganisms

Adhesive bonding

USE: Adhesives

Adhesive strength

BT: Materials testing

Adhesives

UF: Adhesive bonding

BT: Bonding

NT: Conductive adhesives

Nonconductive

adhesives

Adiabatic

BT: Power electronics

Adjacent channel interference

Interchannel USE:

interference

Admission control

BT: Quality of service

RT: Bandwidth

Admittance

UF: Electric admittance BT: Electric variables RT:

Admittance measurement

Impedance

Admittance measurement

Electric variables BT:

measurement

RT: Admittance

Impedance measurement

Adsorption

Surface morphology BT: RT: Interface phenomena Molecular sieves

Surfactants

Advanced driver assistance systems



Additives

UF: **ADAS** Aircraft navigation

BT: Vehicle safety Aircraft propulsion Collision avoidance Command and control RT:

> Intelligent vehicles systems

Vehicle-to-everything Electronic warfare Military equipment

Radar

Sensor systems USE: **ARPANET**

Sonar Telemetry

Advanced TV

Network

vehicles

Aerosols

processes

USF: **HDTV** Aerospace biophysics

> BT: Aerospace engineering

> > Biophysics

Motion control

Human factors RT:

Advanced video coding

RT:

BT:

USE: Video coding

Advanced Research Projects Agency

Advertising Aerospace components

> Marketing management BT: Aerospace materials

Aerial robots Aerospace control

USE: Unmanned aerial UF: Aircraft control

> Flight control BT: Aerospace and

electronic systems Aerodynamics

BT: Dynamics RT: Aerodynamics

Mechanical factors Aerospace simulation

Aerospace control Aircraft

Shock waves Hardware-in-the loop

Wind tunnels simulation

Missiles

Electrostatic Space vehicles Velocity control Liquids NT: Air traffic control

RT: Particle production

Attitude control Spraying Ground support

Aerospace accidents Aerospace electronics

> Accidents BT: UF: Aerospace

RT: Aerospace safety instrumentation

> Space vehicles Aircraft electronics

> > instrumentation

Air accidents Aircraft NT:

Aerospace and electronic systems Avionics

> Auditory displays Space vehicle

electronics Digital signal

Space vehicle

Programming instrumentation

Systems engineering BT: Aerospace engineering

RT: Aircraft and theory

> Aerospace control Space vehicles Aerospace engineering Total ionizing dose Aerospace materials

Aircraft manufacture Aerospace engineering



NT:

processing

BT: Aerospace and Aerospace industry

electronic systems

Ion beam effects RT: Aerospace industry Space shuttles Aerospace materials Space vehicles

> Lightweight structures NT: Air safety

NT: Aerospace biophysics

> Aerospace electronics Aerospace simulation

Aerospace safety Flight simulation UF: Aerospace simulation BT: Aerospace engineering Aerospace testing RT: Aerospace control Artificial satellites Aerospace testing

Space technology Wind tunnels

Aerospace ground equipment Aerospace testing

> USE: Ground support BT: Aerospace engineering

> > Testing

Page 14

Aerospace ground services RT: Aerospace simulation

USE: Ground support NT: Wind tunnels

Aerospace industry Affective computing

BT: Manufacturing BT: Artificial

industries intelligence RT:

Aerospace engineering Human computer Aerospace materials interaction

Aerospace safety Behavioral sciences Aircraft manufacture Cognitive systems Lightweight structures Emotion recognition

Human factors Aerospace instrumentation Psychology

USF: Aerospace electronics Africa

Aerospace materials BT: Continents

> UF: Aircraft materials Spacecraft materials **Afterburners**

BT: Aerospace and USE: Incineration

electronic systems

Production materials Αq Silver

RT: Aerospace engineering USE: Aerospace industry

Aircraft manufacture Age factors Lightweight structures USE: Aging

Space vehicles Age of information NT: Aerospace components

USE: Information age

Aerospace navigation

Aircraft navigation USF: Aged

USE: Aging Aerospace propulsion

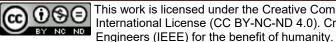
Propulsion BT: Ageing

USE: Aging Aerospace safety

BT: Aerospace engineering Agent-based modeling

> Safety BT: Computational modeling Aerospace accidents Software agents RT:

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Blades

Sugar

Wool

Dairy products

Aquaculture

Fertilizers

Greenhouses

Irrigation

Agricultural machinery

RT: Multi-agent systems Agriculture Applicators

Aggregates

BT: Materials

RT: Building materials Agricultural products

BT: Agriculture Agile computing Food products RT:

USE: Irrigation Agile software development NT: Cotton Crops

Agile manufacturing

BT: Manufacturing systems RT: Computer integrated

manufacturing

Flexible manufacturing Agriculture

Livestock systems UF: BT: Industries Agile software development RT: Agricultural

UF: Agile computing engineering

BT: Software development

Animals management

Dairy products Scrum (Software Genetic engineering

development)

Pest control Soil pollution Aging UF: Age factors Vegetation mapping NT: Agricultural products

Aged Ageing

Materials science and BT:

technology

RT: Ambient assisted

living

ΑI Assisted living

Cataracts USE: Artificial

Electric breakdown intelligence

Energy storage

Gerontology

AIDS Insulation life USE: Acquired immune

deficiency syndrome Life estimation

Reliability

Senior citizens Aids for the handicapped

NT: Accelerated aging USE: Assistive technology

Agricultural engineering AIEE Standards

> BT: Engineering - general **IEEE Standards** BT:

RT: Agricultural machinery

> Air accidents Agriculture

BT: Aerospace accidents

RT: Agricultural machinery Air safety

Combine harvesters Air traffic control UF:

Tractors

BT: Machinery Air bags

RT: Agricultural USE: Automotive components

engineering



Air cleaners Air purifiers

UF: Air filters USE: Air cleaners

Air purifiers

BT: Machine components Air quality

RT: Air pollution BT: Atmosphere Atmospheric Cleaning RT:

> Purification measurements

Environmental factors

Air conditioning NT: Air pollution BT: Cooling

Indoor air quality

RT: Building services Buildings Air safety

BT: Aerospace safety Compressors Ducts RT: Air accidents

Fans Air traffic control HVAC

Ventilation BT: Aerospace control

Vents RT: Air accidents NT: Central air Air transportation

conditioning Control systems Radio navigation

Air filters USE: Air cleaners Air transportation

BT: Transportation

RT: Air traffic control Air gaps Global Positioning UF:

Air-gap BT: Electromagnetic System

NT: Aircraft analysis

RT: Electrodes Airports Spark gaps

Air-gap

Air interface USE: Air gaps USE: Communication channels

Airborne radar

Air pollutants BT: Radar

> USE: Air pollution RT: Synthetic aperture

radar

Air pollution UF: Air pollutants Aircraft

> BT: Air quality BT: Air transportation

> Pollution RT: Aerospace control

Air cleaners Aerospace electronics RT: Aircraft manufacture Ash

Atmospheric Aircraft navigation Aircraft propulsion Ground support Exhaust gases

Military aircraft Flue gases Fossil fuels Propellers

Global warming NT: Airplanes Incineration Helicopters Industrial pollution

Meteorology Aircraft control

Thermal pollution USF: Aerospace control

measurements

Aircraft electronics

Aerospace electronics

UF: Warning systems

Alarm systems

BT:

Security

Aircraft engines

USE: Aircraft propulsion RT: Monitoring Safety

Aircraft instrumentation

Safety devices USE: Aerospace electronics Smoke detectors NT:

Aircraft manufacture Alcoholic beverages

> BT: Aerospace and BT: Ethanol

electronic systems

RT: Aerospace industry Alcoholism

> Aerospace materials BT: Diseases

> > Algae

Aircraft

Aircraft materials BT: Organisms

USE: Aerospace materials

Algebra Aircraft navigation BT: Mathematics

> UF: Aerospace navigation RT: Nonlinear equations

Entry, descent and Abstract algebra NT:

Boolean algebra landing Aerospace and Linear algebra BT: Set theory electronic systems

Navigation RT: Aircraft Algorithm design and analysis

Course correction BT: Algorithms

NT: Algorithmic efficiency

Generative adversarial Aircraft propulsion

UF: Aircraft engines networks

Aerospace and BT: Algorithm design and theory electronic systems

Propulsion BT: Algorithms

RT: Aircraft NT: Consensus algorithm **Engines**

Jet engines Algorithmic efficiency

Turbines BT: Algorithm design and

Propellers NT: analysis

RT: Computational

Airfoils complexity

> Software performance USE: Automotive components

Software quality

Algorithms BT: Aircraft

Subroutines UF:

Airports BT: Mathematics BT: Air transportation RT:

Biometrics (access control)

ΑL Ciphers

> USE: Aluminum Cyclic redundancy

check

AL203 Huffman coding

USE: Aluminum oxide Linear programming



Airplanes

Maximum likelihood

decoding All optical networks

> Model checking USE: All-optical networks Numerical stability

Random processes All-optical networks

Software All optical networks UF:

Software libraries BT: Optical fiber networks Stability analysis

Adaptive algorithms NT: Allocation

Algorithm design and USE: Resource management analysis

Algorithm design and Alloying Metals theory BT:

RT: Aluminum alloys Approximation

Aluminum compounds algorithms

Artificial bee colony Barium compounds algorithm Bismuth compounds

Calcium Backpropagation algorithms Cobalt

Basis algorithms Cobalt alloys

Change detection Copper alloys Gallium allovs

Classification Gallium compounds algorithms Germanium alloys

Clustering algorithms Gold alloys Compression algorithms Hafnium compounds

Density estimation Indium compounds

robust algorithm Iron alloys Detection algorithms Lithium

> Distributed algorithms Lithium compounds Dynamic programming Neodymium alloys Filtering algorithms Nickel alloys Genetic algorithms Niobium alloys Hash functions Platinum alloys

Inference algorithms Strontium compounds

Silicon alloys

Tin allovs MLFMA Machine learning Titanium alloys Yttrium compounds

algorithms Matching pursuit NT: Intermetallic

algorithms Shape memory alloys

Maximum likelihood

Alloys Multicast algorithms USE: Metals

Parallel algorithms

Partitioning Alpha particles

Pursuit algorithms

Software algorithms

Heuristic algorithms

algorithms BT: Nuclear physics Prediction algorithms RT: Ions

Projection algorithms

Signal processing USE: Radioactive materials

algorithms

Viterbi algorithm USE: AC generators

detection

algorithms

Alphavoltaic power sources

Alternating current generators

BT: Aluminum compounds

Gallium compounds

Metals industry

Aluminium oxide

Aluminum compounds

Aluminum compounds

USE: AC machines III-V semiconductor RT:

materials

Aluminum industry

Aluminum nitride BT:

Aluminum oxide

UF:

BT:

RT:

Alzheimer's disease

BT:

RT:

UF:

BT:

RT:

Ambient intelligence

BT:

RT:

Ambient networks

communication

Amblyopia

UF:

BT:

RT:

USE:

Ambulatory surgery

BT:

Ambient assisted living

communication technology

USE:

Transistors

A1203

Ceramics

Dementia

AAL

Aging

Gerontology Hippocampus

Assisted living

Information and

Assistive devices

Consumer electronics

Telecommunications

Internet of Things

User interfaces

AN Project

3G mobile

Vision defects

Intelligent systems

Ubiquitous computing

Mobile communication

Alternating current motors

Alternating current machines

USE: AC motors

Alternators BT: Electric machines

> RT: Synchronous generators

Altimetry

BT: Pressure measurement

RT: Atmospheric

measurements

Aluminium

USE: Aluminum

Aluminium alloys

USE: Aluminum alloys

Aluminium compounds

Aluminum compounds USE:

Aluminium industry

USE: Metals industry

Aluminium oxide

Aluminum oxide USF:

Aluminum

UF: Δ1

Aluminium

BT: Chemical elements

Metals

NT: Aluminum alloys

Aluminum compounds

Aluminum alloys

UF: Aluminium alloys

BT: Aluminum

RT: Alloying

Aluminum compounds

UF: Aluminium compounds

Aluminum BT:

RT: Alloying

NT: Aluminum gallium

nitride

Aluminum nitride

Aluminum oxide

American Express

USE: Credit cards

Surgery

Aluminum gallium nitride



American National Institute of Standads BT: Electrochemical

USE: ANSI devices

Gas detectors

American Standards Institute

BT:

BT:

NT:

measurement

USE: ASA Amplifiers

Americium BT: Signal processing RT: Frequency response

Chemical elements Klystrons Optical fiber

Amino acids amplifiers

BT: Biochemistry Rail to rail

amplifiers

Electric variables

AMLCDs Rail to rail operation

USE: Active matrix liquid NT: Broadband amplifiers rystal displays Differential

crystal displays
amplifiers

Ammeters Distributed amplifiers

Low-noise amplifiers Operational amplifiers

Resonators

RT: Current measurement Power amplifiers
Preamplifiers
Pulse amplifiers

BT: Medical tests Radiofrequency
RT: Genetics amplifiers

Ultrasonic imaging

Amniotic fluid
Birth disorders

Amplify-and-forward cooperative

communication

Amniotic fluid USE: Cooperative

BT: Amniocentesis communication Fluids and secretions

Amplitude estimation

AMOLEDS BT: Parameter estimation
USE: Active matrix organic RT: Reflection coefficient

light emitting diodes

Amplitude modulation

Amorphous magnetic materials BT: Modulation BT: Magnetic materials RT: Demodulation

Amorphous materials Intensity modulation

NT: Amplitude shift keying

BT: Materials Quadrature amplitude
NT: Diamond-like carbon modulation

Diamond-like carbon modulation Glass

Amplitude shift keying
Amorphous semiconductors

UF: ASK

BT: Semiconductor BT: Amplitude modulation

materials
RT: Silicon Amve

RT: Silicon Amygdala
Thin film devices UF: Amygdalae

Corpus amygdaloideum

Amorphous silicon BT: Brain

BT: Silicon

Amygdalae

Amperometric sensors USE: Amygdala



Submillimeter wave

AN Project integrated circuits

USE: Ambient networks

UHF integrated

circuits Anaesthesia

NT: CMOS analog integrated

USE: Anesthesia circuits

Field programmable

Analog circuits

BT: Circuits

RT: Microwave circuits

Millimeter wave

circuits

Neuromorphics

Submillimeter wave

circuits

Switched capacitor

networks

UHF circuits VHF circuits

NT: Analog integrated

circuits

Analog processing

circuits

Analog CMOS integrated circuits

USE: CMOS analog integrated

circuits

Analog computers

UF: Analogue computers

BT: Computers

RT: Summing circuits

Analog digital integrated circuits

USE: Analog-digital

integrated circuits

Analog integrated circuits

Analogue integrated UF:

circuits

Linear integrated

circuits

BT: Analog circuits

Integrated circuits

RT: Analog processing

circuits

MMICs

Microwave integrated

circuits

Millimeter wave

integrated circuits

hardware

Neural network

converter

analog arrays

Analog memory

BT: Memory

RT: Analog processing

circuits

Analog processing circuits

BT: Analog circuits RT: Analog integrated

circuits

Analog memory

Application specific

integrated circuits

Mixed analog-digital

integrated circuits

Signal processing

Analog to digital conversion

USE: Analog-digital

conversion

Analog to digital converter

USE: Analog-digital

conversion

Analog TV

Analogue TV UF:

BT: TV

Analog-digital

USE: Analog-digital

conversion

conversion

converter

Analog-digital conversion

UF: A/D

> A/D conversion A/D converter Analog to digital

Analog to digital

Analog-digital

Analog-to-digital

Analog-to-digital

conversion



Analogue-digital USE: Analog-digital

conversion conversion

Analogue-digital converters Analogue-digital converters

BT: Data conversion USE: Analog-digital RT: Data acquisition conversion

T: Data acquisition conversion
Quantization (signal)

NT: Delta modulation Analogue-digital integrated circuits

USE: Analog-digital

Statistical analysis

Biological systems

Analog-digital integrated circuits

UF: Analog digital integrated circuits

integrated circuits Analysis of variance

Analogue digital UF: ANOVA

integrated circuits BT:
Analogue-digital

integrated circuits Analytic hierarchy process

Minimum analog-digital BT: Decision making

integrated circuits RT: Management

BT: Integrated circuits Strategic planning
NT: Mixed analog-digital

integrated circuits Analytical models

BT: Modeling

Analog-to-digital conversion RT: Neuroinformatics USE: Analog-digital NT: Common Information

conversion Model (computing)

Analog-to-digital converter Anatomical structure

USE: AC-DC power converters BT: Medical diagnostic

AND imaging

Analog-digital

conversion Anatomy

Analog-to-digital convertor NT: Auditory system

USE: AC-DC power converters Biological tissues
Body regions

BT:

Analogue CMOS integrated circuits Cardiovascular system

USE: CMOS analog integrated Circulatory system circuits Digestive system

Embryonic structures

Analogue computers Endocrine system

USE: Analog computers Fluids and secretions
Human anatomy

Analogue digital integrated circuits Immune system
USE: Analog-digital Integumentary system

integrated circuits

Lymphatic system

Musculoskeletal system

Analogue integrated circuits

USE: Analog integrated Neuroanatomy

Neuroanatomy

Respiratory system

Analogue TV Sense organs Stomatognathic system

USE: Analog TV Urogenital system

Analogue-digital conversion Android (operating system)



circuits

BT: Operating systems

> Angular velocity control BT: Velocity control

Androids BT: Robots

RT: Human factors Animal behavior

> Behavioral sciences Man-machine systems BT:

Anechoic chambers Animal structures

Fluid flow measurement

BT: Test facilities BT: Animals RT: NT: Beak Acoustic measurements Antenna measurements Feathers

Electromagnetic

measurements

USE:

Immunity testing **Animals**

TEM cells BT: Organisms

Zoology

Tail

Anemometers RT: Agriculture

> Biological systems Life sciences

Anesthesia NT: Animal structures

UF: Anaesthesia Birds BT: Medical treatment Bovine NT: Anesthetic drugs Cats Dinosaurs

Anesthesiology Dogs BT: Medical specialties Horses Insects

Anesthetic drugs Marine animals

> BT: Anesthesia Mice Rabbits Rats

USE: Aneurysm Rodents Wildlife

Aneurysm

Aneurism

UF: Aneurism Animation

BT: Medical conditions UF: Computer animation

BT: Graphics **Angiocardiography** RT:

Computer graphics Biomedical imaging Image generation BT: Visual effects RT: Biomedical applications of radiation Visualization

Facial animation NT:

Angiography

UF: Arteriography Animatronics

BT: Biomedical imaging BT: Robotics and

automation

Angioplasty

BT: Medical treatment Anisotropic

BT: **Filters**

Angular velocity

Mechanical variables Anisotropic conductive films BT: measurement BT: Conductive films

RT: Velocity control

> Velocity measurement Anisotropic diffusion



USE: Anisotropic **Anodes**

magnetoresistance BT: Electrodes Electron tubes RT:

Anisotropic effects

USE: Anisotropic Anomaly detection

magnetoresistance

Anisotropic magnetoresistance

Anisotropic diffusion

Anisotropic effects

Anisotropic

magnetoresistance sensors

Anisotropic material

Anisotropic processing

Anisotropically Anisotropy

BT: Magnetoresistance

Anisotropic magnetoresistance sensors

USE: Anisotropic

magnetoresistance

Anisotropic material

Anisotropic USE:

magnetoresistance

Anisotropic processing

USE: Anisotropic

magnetoresistance

Anisotropically

USE: Anisotropic

magnetoresistance

Anisotropy

USE: Anisotropic

magnetoresistance

Annealing

UF: Annealing temperature

BT: Heat treatment

Materials processing RT: Simulated annealing

Softening

Thermal factors

Rapid thermal NT:

annealing

Annealing temperature

USE: Annealing

Announcements

USF: IEEE news

UF: Outlier detection

BT: Data mining

ANOVA

USE: Analysis of variance

ANSI

UF: American National

Institute of Standads

Standards BT:

organizations

RT: ASA

ANSI Standards

BT: Standards publications

RT: ASA Standards IEEE Standards

ISO Standards

National Electric Code NT:

Ant colony optimization

BT: Probability RT: Graph theory

Antarctica

BT: Geoscience NT: South Pole

Antenna accessories

UF: Antenna components

BT: Antennas NT: Radomes

Antenna arrays

UF: Distributed antennas

BT: Antennas

Broadband antennas RT: SIMO communication SISO communication

Adaptive arrays

Butler matrices

Linear antenna arrays Log periodic antennas

Microstrip antenna

Microwave antenna

arrays

NT:

Phased arrays Planar arrays



arrays

NT: Antenna accessories

Antenna components Antenna arravs USE: Antenna accessories

Antenna radiation

patterns Antenna diversity

antennas

pattern

Antenna theory USE: Spatial diversity Apertures

Broadband antennas

Antenna feeds Dielectric resonator BT: Feeds antennas

RT: Dipole antennas Antennas

Aperture coupled Directional antennas Directive antennas

Feeds

Antenna measurements Fractal antennas

> BT: Helical antennas Measurement RT: Anechoic chambers Horn antennas

Antennas Leaky wave antennas Loaded antennas Electromagnetic

measurements Log-periodic dipole antennas

Microstrip antennas Antenna phased arrays

USE: Phased arrays Microwave antennas Mobile antennas Antenna radiation patterns Multifrequency

UF: Radiation pattern antennas

Omnidirectional BT: Antennas

RT: Antenna theory antennas

NT: Near-field radiation Patch antennas

Radar antennas Receiving antennas

Antenna theory Rectennas

BT: **Antennas** Reflector antennas RT: Antenna radiation Satellite antennas

Slot antennas patterns Current distribution Transmission line

Mode matching methods antennas

NT: Frequency selective Transmitting antennas

surfaces **UHF** antennas Yagi-Uda antennas

Antennas BT: Antennas and Antennas and propagation

propagation RT: Communication systems

Communications RT: Antenna feeds

Antenna measurements technology

Beam steering Signal processing Butler matrices NT: Antennas

Fractals Electromagnetic

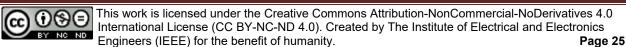
IEEE 802.11n Standard propagation

Microstrip antenna Radio astronomy

arrays Radio communication Anthropometry

equipment BT: Measurement Spatial diversity RT: Biomechanics

Waveguide theory Biomedical measurement



Ergonomics

Antibiotics

Human factors **Antiderivatives**

> USE: Integral equations

Anthropomorphism

USE:

BT: Human factors Antiferroelectric materials

> USE: Dielectric materials

Anti freeze

Anti-freeze Antiferromagnetic materials USE:

> BT: Magnetic materials RT: Antiferromagnetic

Anti-bacterial USE: resonance

Antibacterial activity

Antiferromagnetic resonance Anti-biotics

> BT: Magnetic resonance Antiferromagnetic RT:

> > Anti-fungal

Anti-freeze materials

> Anti freeze UF: Antifreeze Antifreeze

BT: Chemical compounds USE: Anti-freeze

RT: Methanol

Antifreeze materials

Anti-fungal USE: Coolants

Antifungal UF: Antibiotics BT:

Antifungal USE:

Anti-parasitical **Antimony** UF: Antiparasitical

BT: Antibiotics BT: Chemical elements

Anti-virus software Antiparasitical

> BT: Software Anti-parasitical USE:

RT: Computer viruses

Countermeasures **AODV**

(computer) UF: Ad hoc On Demand

Malware Distance Vector

Security BT: Ad hoc networks

Wireless networks

Antibacterial

Antibacterial activity USE: AOI

USE: Information age

Antibacterial activity

Anti-bacterial Apache hadoop UF:

> Antibacterial USE: Cluster computing

BT: Antibiotics

Apache spark

Antibiotics Cluster computing USF: UF: Anti-biotics

BT: Drugs **APCVD**

NT: Anti-fungal USE: Atmospheric pressure

> Anti-parasitical chemical vapor deposition

Antibacterial activity

APDs

Antidepressants USE: Avalanche photodiodes

BT: Drugs



Aperture antennas Field programmable

> BT: analog arrays **Apertures**

Aperture coupled RT: NT: System-on-chip

antennas

Reflector antennas Application specific processors Program processors BT:

Aperture coupled antennas

BT: Apertures RT: Antenna feeds UF:

Aperture antennas

Microstrip antenna

arrays Microstrip antennas

Apertures Antennas BT:

> RT: Couplers

NT: Aperture antennas

Aperture coupled

antennas

Appearance matching

USE: Image matching

Appliances

Home appliances USE:

Application programming interfaces

Mobile application

development

BT: Computer interfaces

RT: Software defined

networking

NT: WebRTC

Application security

BT: Computer security

Application software

BT: Software

Application specific integrated

circuits

UF: ASIC

Custom integrated

circuits

Semicustom integrated

circuits

BT: Circuits

Integrated circuits

RT: Analog processing

circuits

CMOS logic circuits

Application virtualization

Cross platform

virtualization

Cross-platform

virtualization

BT: Computer applications

RT: Emulation

Network function

virtualization

Simulation

NT: Edge computing

Applicators

BT: Production equipment RT: Agricultural machinery

Labeling

Appraisal

BT: Human resource

management

RT: Incentive schemes

Personnel

Appropriate technology

BT: Technology

RT: Microhydro power

Picohydro power

Approximate computing

BT: Computers and

information processing

Approximation algorithms

BT: Algorithms

Approximation error

BT: Approximation methods

Approximation methods

UF: Approximation theory

BT: Numerical analysis RT: Least squares

approximation

Minimization methods Signal representation

Approximation error

NT:



Chebyshev Architecture USE:

approximation description languages

Curve fitting

Extrapolation

Function approximation

Interpolation

Linear approximation

Mean square error

Architecture (computer)

Perturbation methods USE: Computer architecture

Architecture

BT:

RT:

Industries

Buildings

Structural engineering

Approximation theory Architecture description languages

> Approximation methods Architectural USE: UF:

description languages Aquaculture BT: Computer languages

Fisheries UF:

BT: Arctic Agriculture

RT: Marine animals BT: Geoscience North Pole NT:

Aquatic robots

methods

UF: Swimming robots Area measurement

Robots BT: BT: Measurement RT: Size measurement

Aquatic vehicles

USE: Underwater vehicles Argon

UF: Ar Ar BT: Gases

USE: Argon

Arithmetic

Mathematics Arc discharges BT: UF: Arc flash

Digital arithmetic NT: Arc-flash

Fixed-point arithmetic

BT: Dielectric breakdown Floating-point Electrostatic arithmetic

RT: discharges

High intensity Armature

discharge lamps BT: Electromechanical

Light sources devices

Plasmas

Armpit USE: Axilla

Arc flash Arc discharges USE:

Arms

Arc Lamps BT: Extremities

USE: Lighting NT: Wrist

Arms (robotic) Arc-flash

> USE: Arc discharges USE: Manipulators

Archaea ARPANET

BT: UF: Advanced Research Organisms

Projects Agency Network

Architectural description languages DARPANET

> BT: Communication systems



RT: Internet Arsenic compounds

> Packet switching UF: Arsenite

Arsine Arsenic

Arteries

BT:

ARQ USE: Automatic repeat

RT:

request Arsenite

USF: Arsenic compounds

Array USE: Arrays Arsine

USE: Arsenic compounds

Array processing USE: Arrays AND Art

BT: Graphics Parallel processing

RT: Computer graphics

Array signal processing Layout

> UF: Digital art Beamforming NT: BT: Fractal art Signal processing

Acoustic arrays Arterial blood circulation Acoustic transducers

Adaptive arrays BT: Blind source

Arterial blood pressure separation Direction-of-arrival BT: Arteries

estimation

Signal resolution Arterial occlusion Source separation BT: Arteries

Time of arrival

estimation Arterial pressure USE: Blood pressure

Arrayed waveguide gratings

Arterial wall structures UF: AWG device

> BT: Optical waveguides USE: Arteries RT: Demultiplexing

Arterial walls Integrated optics

> Multiplexing USF: Arteries

Arteries Arrays

> Arterial wall UF: Array UF:

Array processing structures

BT: Data structures Arterial walls NT: Sensor arrays Artery

BT: Blood vessels

Arterial blood **Arresters** NT: BT: Surge protection circulation

Arterial blood RT:

Power system

protection pressure Arterial occlusion Power system

transients Carotid arteries

Varistors **Arteriography**

Arsenic USE: Angiography

BT: Chemical elements NT: Arsenic compounds Arteriosclerosis

BT: Diseases



NT: Atherosclerosis Minimax techniques

Natural languages Coronary

Neural networks Neurocontrollers Pervasive computing

Artery USE: Arteries Posthuman

> Prediction theory Radial basis function

Neuromorphic

Arthritis BT: Diseases networks

arteriosclerosis

Robot learning Artificial bee colony algorithm Semantic Web UF: ABC algorithms Software agents BT: Algorithms Support vector

> RT: Cooperative systems machines

Optimization Synapses

Particle swarm Affective computing NT:

optimization Autonomous robots

> Search problems Bio-inspired computing Cognitive systems

Artificial biological organs Context awareness UF: Artificial organs Cooperative systems BT: Prosthetics Decision support

Biological systems RT: systems

Artificial heart NT: Intelligent systems

Artificial limbs Knowledge based

systems Artificial fibers

Knowledge engineering USE: Synthetic fibers Learning (artificial

intelligence) Artificial fibres

Learning systems USE: Synthetic fibers Machine learning Prediction methods Artificial heart Virtual artifact

BT: Artificial biological

Artificial limbs organs

BT: Artificial biological

Artificial immune systems organs

Immune system Prosthetics BT:

Artificial neural networks Artificial intelligence

> UF: BT: Neural networks ΑI BT: Computational and RT: Mathematical model

artificial intelligence RT: Autonomous automobiles engineering

Autonomous vehicles

Synapses

Convolutional neural Computational NT:

intelligence networks

> Data mining Hebbian theory Feedforward neural Self-organizing

networks feature maps

Generative adversarial networks Artificial organs

USF:

Artificial biological Independent component analysis organs



Aspirin

ASR

Artificial satellites BT: Drugs

BT: Aerospace engineering
RT: Satellite

communication USE: Automatic speech

Satellites recognition

Space technology
Space vehicles
Assemblers (program)

NT: Earth Observing System USE: Program processors

Low earth orbit

ASA

satellites Assembly

Military satellites BT: Manufacturing
Space stations RT: Assembly systems

Manipulators
Manufacturing

UF: American Standards automation

Institute NT: Fitting

BT: Standards Microassembly organizations Preforms

RT: ANSI Soldering

ASA Standards Assembly robots

BT: Standards publications USE: Robotic assembly

RT: ANSI Standards
Assembly systems

Ash BT: Industrial electronics

BT: Industrial waste Manufacturing
RT: Air pollution Production systems

Exhaust gases RT: Assembly Incineration Fitting

Volcanic ash Industrial control
NT: Fly ash Manipulators
Manufacturing

Asia automation

BT: Continents Mobile robots

Robots

ASIC NT: Flexible electronics USE: Application specific Robotic assembly

integrated circuits RODOTIC assembly

Asset management
ASK
UF:

UF: Asset-management USE: Amplitude shift keying BT: Management

SE: Amplitude shift keying BT: Management NT: Public infra

NT: Public infrastructure
Ask IEEE

BT: Document delivery Asset-management

Information services USE: Asset management

Asphalt Assisted living

UF: Bitumen BT: Medical services

BT: Building materials RT: Aging Geriatrics

Asphyxia Senior citizens
BT: Death NT: Ambient assisted

BI: Death NI: Ambient assisted living



Astrochemistry

BT:

RT:

NT:

Asymptotic stability

BT:

RT:

Asynchronous circuits

BT:

BT:

RT:

BT:

RT:

communication

switching

Asynchronous transfer mode

design

UF: Planetary chemistry

Astronomy

Stability

Circuits

Gravity measurement

System analysis and

Data communication

Data communication

Multiprotocol label

Web services

Protocols

Broadband

B-TSDN

ISDN

SONET

Discrete-time systems

Stellar dynamics

Physics

Orbits

BT: Chemistry

living Astronomy

Assistive technology

Ambient assisted

Assistive robotics

BT: Science - general
RT: Extraterrestrial

USE: Rehabilitation measurements

robotics Gamma-ray detectors
Telescopes

Assistive technology NT: Astrophysics

UF: Aids for the Extrasolar planets handicapped Observatories

Assitive devices Radio astronomy Solar system

BT: Biomedical equipment
RT: Communication aids Astrophysics

Gaze tracking Gerontechnology Medical control

systems

Assistive devices

BT:

RT:

Orthotics Prosthetics

Rehabilitation

robotics
Sensory aids

Sign language Wearable robots

NT: Assistive devices

Wheelchairs

Assitive devices

Association rules

BT: Data mining

Associative memory

UF: Content addressable

memory

BT: Memory

RT: Neural networks

Associative processing

BT: Data processing

RT: Computers and

information processing

Atherosclerosis

Astatine BT: Arteriosclerosis

BT: Chemical elements

Atmosphere

Asthma BT: Geoscience USE: Respiratory system RT: Atmospheric

measurements



Meteorology Tritium batteries NT: Air quality BT: Energy conversion Atmospheric modeling Nuclear power

Atmospheric waves generation

NT: Radioisotope Atmospheric measurements thermoelectric generators

BT: Measurement

> Air quality BT: Particle beams Altimetry RT: Atom lasers Atmosphere Atom optics

Geophysical Atomic clocks measurements

Air pollution

RT:

Global warming UF: Atomic frequency

> Meteorology standards

Pressure gauges Remote sensing RT: Frequency measurement

Terrestrial atmosphere International Atomic

BT:

Clocks

Atomic beams

Time

Atmospheric modeling Masers BT: Atmosphere

> Modeling Atomic energy

USF: Nuclear power

Atmospheric pressure chemical vapor generation deposition

Atomic force microscopy UF: **APCVD**

BT: Chemical vapor BT: Microscopy deposition RT: Casimir effect

Magnetic force

Atmospheric sintering microscopy

USE: Materials preparation Nanotechnology Scanning microwave

Atmospheric waves microscopy

> BT: Atmosphere Waves Atomic frequency standards

USE: Atomic clocks

Atmospheric-pressure plasmas

BT: Plasmas Atomic lasers

Gas lasers USE:

Atom lasers UF: Single atom lasers Atomic layer deposition

BT: Lasers BT: Chemical vapor

RT: Atom optics deposition

Atomic beams Atomic measurements Gas lasers

BT: Measurement

Atom optics RT: Nuclear measurements

UF: Atomic optics Radiation detectors BT: Particle beam optics Spectroscopy

RT: Atom lasers

Atomic beams Atomic optics

USE: Atom optics Atomic batteries

Nuclear batteries UF: ATPG



USE: Automatic test pattern Speech coding

generation

Audio compression Atrial fibrillation BT: Data compression

BT: Fibrillation

Audio databases Atrophy

BT:

Medical conditions RT: File systems Multimedia databases

Attenuation

UF: Acoustic wave Audio enhancement

attenuation USE: Acoustic signal

> Electromagnetic wave processing AND

attenuation Light attenuation

BT: Propagation

Audio recording RT: Attenuation

measurement

Attenuators Audio restoration

Diagnostic radiography USE:

Insertion loss

Attenuation measurement

Electric variables BT:

measurement

RT: Attenuation

Loss measurement

Attenuators

BT: Signal processing

Attenuation RT:

NT: Optical attenuators

Attitude control

BT: Aerospace control

RT: Position control

Attitude determination

Position measurement USE:

ATV

USE: **HDTV**

Au Gold

USE:

Audible noise

USE: Acoustic noise

Audio coding

BT: Encoding

Information theory

RT: MPEG 7 Standard

Rate distortion theory

BT:

BT: Recording

Acoustic noise

Audio systems

UF: Phonographs

Sound systems

Database systems

Noise reduction

Stereophonic systems

BT: Consumer electronics

RT: Digital audio

broadcasting

Music

NT: Audio tapes

> Audio-visual systems Auditory displays

Headphones Loudspeakers Microphones

Pitch control (audio) Portable media players

Sonification

Audio tapes

BT: Audio systems

Audio user interfaces

UF: Auditory icons

BT: User interfaces

RT: Multimedia computing

USE: Audio-visual systems

Audio watermarking

Audio visual systems

USE:

Watermarking

Audio-visual instructional aids



USE: Educational technology Materials science and RT:

technology

Audio-visual systems

UF: Audio visual systems

Audiovisual systems

Audio systems BT:

Educational technology RT:

Audiovisual systems

USE: Audio-visual systems

Auditory displays

BT: Audio systems

Communication

equipment

RT: Aerospace and

electronic systems

Communication aids

Auditory icons

USE: Audio user interfaces

Auditory implants

Auditory midbrain UF:

implants

BT: **Implants**

Auditory midbrain implants

Auditory implants USE:

Auditory system

UF: Hearing

BT: Anatomy

RT: Biomedical acoustics

Head

Hearing aids Psychoacoustics

NT: Psychoacoustic models

Augmented reality

BT: Programming

Virtual reality

RT: Extended reality

Network slicing

Spatial augmented NT:

reality

X reality

BT: Virtual reality

Austenite

Augmented virtuality

UF: Gamma phase iron

BT:

Iron alloys

Smart materials

Australia Continents BT:

Authentication

BT: Computer security

RT: Blockchain

CAPTCHAs

Image processing Interactive systems

Password Video signal

processing

NT: Multi-factor

authentication

Authoring systems

UF: Authoring tools BT: Software tools Computer aided RT:

instruction

Courseware

Multimedia systems

Web design

Authoring tools

USF: Authoring systems

Authorisation

USE: Authorization

Authorization

UF: Authorisation

BT: Access control

RT: Privacy

Autism

BT: Medical conditions

Autobiographies

UF: Memoirs BT:

Biographies

Autocorrelation

BT: Correlation RT: Signal analysis

Time series analysis

Automata

UF: Finite state machines

Robots BT:



RT: Cognitive systems

Cybernetics

Intelligent systems

NT: Turing machines

Automated quided vehicles

USE: Autonomous vehicles

Automated highways

BT: Automation

Intelligent

transportation systems

RT: Road safety

Smart transportation

Automated indexing

USE: Machine assisted

indexing

Automated storage and retrieval systems

USE: Storage automation

Automatic control

BT: Control systems

NT: Power generation

control

Automatic frequency control

BT: Frequency control

Automatic gain control

USE: Gain control

Automatic generation control

BT: Automation

Control systems
Power generation

Automatic indexing

USE: Machine assisted

indexing

Automatic logic units

BT: Microprocessors

Automatic meter reading

BT: Meter reading
RT: Flowmeters

Flowmeters Smart meters

Siliar C IIICCCI S

Automatic optical inspection

BT: Inspection

RT: Machine vision

Manufacturing

automation

Pattern recognition

Automatic programming

UF: Program generators

BT: Programming

Automatic protection switching

USE: Protection switching

Automatic repeat request

UF: ARQ

BT: Feedback

communications

Automatic speech recognition

UF: ASR

BT: Speech recognition

Automatic test equipment

BT: Test equipment

RT: Automatic testing

Automatic Test Markup Language

USE: XML

Automatic test pattern generation

UF: ATPG

BT: Automatic testing RT: Design automation

NT: Test pattern

generators

Automatic testing

UF: Self testing

BT: Automation

Testing

RT: Automatic test

equipment

Maintenance

engineering

NT: Automatic test pattern

generation

Ring generators

Automatic voltage control

UF: AVC

BT: Voltage control

RT: Voltage

Voltage measurement

Automation



BT: Robotics and

automation
RT: Ragging

RT: Bagging

Biometrics (access

control)

Flash memories
Home automation

Information technology

Substation automation

ZigBee

NT: Automated highways

Automatic generation

control

Automatic testing Building automation

Manufacturing

automation

Office automation Storage automation Vehicular automation

Automobile engineering

USE: Automotive engineering

Automobile manufacture

BT: Manufacturing systems

RT: Automobiles

Automotive components Automotive engineering Automotive materials

Die casting Engines

Tires Wheels

Automobile materials

USE: Automotive materials

Automobile parts

USE: Automotive components

Automobiles

UF: Cars

BT: Road vehicles

RT: Automobile manufacture

Automotive components
Automotive engineering

Automotive materials

Automotive

USE: Automotive engineering

Automotive applications
BT: Automotive engineering

Automotive components

UF: Air bags

Airfoils

Automobile parts

Radiators (automotive)

Starter motors

(automotive)

Windscreen wipers

Windscreens

Windshield wipers

Windshields

BT: Mechanical products
RT: Automobile manufacture

Automobiles

Automotive engineering

Axles

Belts Brakes Camshafts Gears Hoses

Internal combustion

engines

Shock absorbers Steering systems

Suspensions

(mechanical systems)

Tires

Torque converters Water pumps

Wheels

Automotive electronics

BT: Automotive engineering

Automotive engineering

UF: Automobile engineering

Automotive

BT: Vehicular and wireless

technologies

RT: Automobile manufacture

Automobiles

Automotive components

Diesel engines Road safety Wheels

Wheels Automotive

applications

NT:

Automotive electronics

Power steering

Vehicle crash testing Vehicle detection Vehicle driving



Vehicle dynamics Vehicle safety

Automotive materials

UF: Automobile materials BT: Production materials Automobile manufacture RT:

Automobiles

Autonomic nervous system

BT: Nervous system NT: Parasympathetic

nervous system

Sympathetic nervous

system

Autonomic systems

BT: Network operating

systems

Autonomous aerial vehicles

BT: Unmanned autonomous

vehicles

Autonomous agents

BT: Software agents

Autonomous automobiles

UF: Autonomous cars

Driver free

automobiles

Driver free cars Driver-free car

Driverless automobiles

Driverless cars Robot automobiles

Robot cars Self-driving

automobiles

Self-driving car

Intelligent BT:

transportation systems

Mobile robots

Artificial

intelligence

Autonomous cars

USE: Autonomous automobiles

AND

Autonomous vehicles

Autonomous driving

USE: Autonomous vehicles Autonomous mental development

Computational and BT:

artificial intelligence

Autonomous navigation

USE: Autonomous robots

Autonomous robots

UF: Autonomous navigation

BT: Artificial

intelligence

Autonomous systems

Robots

RT: Cognitive robotics

Intelligent robots

Autonomous systems

BT: Intelligent systems

Robotics and

automation

Autonomous robots NT:

Autonomous vehicles

Autonomous trucks

USE: Autonomous vehicles

Autonomous underwater vehicles

UF: Underwater autonomous

vehicles

Unmanned autonomous BT:

vehicles

Autonomous vehicles

UF: Automated guided

vehicles

Autonomous cars Autonomous driving Autonomous trucks Unmanned autonomous

vehicle

BT: Autonomous systems

Intelligent vehicles

Artificial RT:

intelligence

Mechatronics

Multi-agent systems Vehicular automation

NT: Unmanned autonomous

vehicles

Autopsy

BT: Medical diagnosis

RT: Pathology



Autoregressive moving average models USE: Arrayed waveguide

USE: Autoregressive gratings

processes

AWGN Autoregressive processes

regressive processes BT: Additive noise
UF: Autoregressive moving Gaussian noise

average models White noise

Box Jenkins models
BT: Statistics AWGN channels

RT: Noise BT: Gaussian channels

Time series analysis RT: Intersymbol

Armpit

interference

Auxetic materials White noise

UF: Auxetics BT: Materials **Axilla**

UF:

Auxetics Underarm USE: Auxetic materials BT: Shoulder

OSE. Adxecte materials Dr. Shoulder

Auxiliary transmitters Axles

BT: Transmitters BT: Mechanical products

RT: Automotive components
Availability Wheels

UF: System availability

BT: Reliability Axons

RT: Maintenance BT: Nerve fibers

engineering RT: Action potentials

Avalanche breakdown Myelin White matter

BT: Electric breakdown

Azimuth

Avalanche photodiodes BT: Mathematics
UF: APDs NT: Azimuthal angle

BT: Photodiodes Azimuthal component RT: Optical fiber Azimuthal current communication Azimuthal harmonics

Ommunication Azimuthal narmonics

Photomultipliers Azimuthal plane

Avatars Azimuthal angle

BT: Graphical user BT: Azimuth

interfaces

Virtual reality **Azimuthal component** BT: Azimuth

AVC

OHE OF STREET

Avionics Azimuthal harmonics

USE: Aerospace electronics BT: Azimuth

Awards Azimuthal plane

BT: IEEE indexing BT: Azimuth

AWG device Azobenzene



BT: Polymers Backscatter

RT: Smart materials BT: Reflection

RT: Meteorological radar

B-ISDN

UF: Broadband ISDN

BT: Broadband USE: Scattering

communication

ISDN Backstepping

RT: Asynchronous transfer BT: Control nonlinearities

mode

Data communication Backward propagation

Frame relay USE: Backpropagation

Image communication

Backscattering

Multimedia Backwards propagation of errors

communication USE: Backpropagation

B-Spline Bacteria

USE: Splines (mathematics) USE: Microorganisms

Ba Bacterial content

USE: Barium USE: Microorganisms

Babies Bacterial infections

USE: Pediatrics BT: Diseases

Baby Bagging

USE: Pediatrics BT: Packaging

RT: Automation

Back Packaging machines

BT: Body regions Plastic packaging

Back propagation Ball bearings

USE: Backpropagation BT: Machinery

RT: Mechanical bearings

Background noise

BT: Acoustic noise

Metal products
Rolling bearings

Backplanes Ball grid arrays

BT: Data buses USE: Electronics packaging

Backpropagation Ball milling

UF: Back propagation BT: Production

Backward propagation RT: Milling machines

Ballasts

Backwards propagation

of errors Ball screws

BT: Learning systems USE: Mechanical products

RT: Backpropagation algorithms

Neural networks USE: Electronic ballasts

Backpropagation algorithms Ballistic magnetoresistance

BT: Algorithms BT: Magnetoresistance

RT: Backpropagation

Ballistic transport



Channel allocation

Spectral efficiency

Bang-bang control

Bang bang control

Bandwidth efficiency

USE:

BT: Electron emission NT: Narrowband NT: Electronic ballasts Wideband

Baluns Bandwidth allocation

BT: Electromagnetic USE:

devices

Impedance matching Microwave technology

Transformers

RT: Transmission lines

Bang bang control USE:

Bamboo

BT: Natural fibers Bang-bang control

> Plants (biology) UF:

BT: Optimal control RT: Time factors Band gap

Banking

Photonic band gap USE:

Industries Band pass filters BT: USE: Band-pass filters RT: Finance

NT: Online banking

Band-gap

USE: Photonic band gap Bankruptcy

Finance BT:

Band-pass filters RT: Business UF: Commercial law Band pass filters **Economics**

Bandpass filters

Active filters Bar codes BT:

RT: Frequency UF: OR codes

Optical detectors Signal processing BT: NT:

Filter banks Product codes

RT: Internet of Things Band-stop filters Inventory management

USE: Notch filters

Barges USE: **Boats** Bandgap

USE: Photonic band gap

Barium UF: Bandpass filters Ba

USE: Band-pass filters BT: Metals NT: Barium compounds

Bandwidth BT:

Frequency Barium compounds BT: RT: Admission control Barium Computer network RT: Alloying

management Yttrium barium copper

Direct sequence spread oxide

spectrum communication

Information theory Baroreceptor reflex

> Radio communication USE: Baroreflex

Signal processing

Spectral efficiency Baroreflex Spectroscopy Baroreceptor reflex UF:

BT: Cardiovascular system RT: Battery charge

measurement

Lithium-ion batteries

Lithium-sulfur

Bartery chargers

BT: Structural shapes Emergency power

NT: Billets supplies

Basal cell carcinoma Lithium Lithium compounds

USE: Skin cancer Power generation
Uninterruptible power

Basal ganglia systems

BT: Brain NT: Lead acid batteries

BT: Radio communication

Base stations

equipment batteries

RT: Device-to-device Nickel cadmium

communication batteries

Femtocell networks Solid state batteries
NT: Femtocells

Battery charge measurement

Baseball BT: Charge measurement

USE: Sports RT: Batteries

Baseband Battery chargers
Baseband Battery powered

BT: Digital communication vehicles
Radio communication

RT: Passband Battery chargers

UF: Charging devices
Basis algorithms Device chargers

gorithms Device chargers
BT: Algorithms BT: Power supplies
RT: Batteries

Batch manufacturing Battery charge

USE: Batch production measurement

systems Charging stations
NT: Electric vehicle

Batch processing charging charge USE: Batch production State of charge

USE: Batch production State of charge systems

Battery management systems

Batch production systems

UF: Batch manufacturing devices

BT: Electrochemical

Batch processing

BT: Manufacturing systems Battery powered vehicles

Batteries Battery charge

UF: Flow batteries measurement

Secondary cells
Storage batteries
Storage battery

Charging stations
Energy storage
Hybrid electric

BT: Electrochemical vehicles

devices Solar powered vehicles

Energy conversion Traction motors
Energy storage Vehicle-to-grid



Bayes methods

UF: Bayesian approach

Bayesian belief

networks

Bayesian estimation

Bayesian inference Bayesian learning

Bayesian methods

Bayesian networks

BT: Probability

RT: Belief propagation

NT: Recursive estimation

Bayesian approach

USE: Bayes methods

Bayesian belief networks

USE: Bayes methods

Bayesian estimation

USE: Bayes methods

Bayesian inference

USE: Bayes methods

Bayesian Learning

USE: Bayes methods

Bayesian methods

USE: Bayes methods

Bayesian networks

USE: Bayes methods

Beak

BT: Animal structures

RT: Birds

Beam steering

BT: Microwave technology

RT: Antennas

Beamforming

USE: Array signal

processing

Beams

UF: Electromagnetic beams

BT: Physics

NT: Acoustic beams

Laser beams

Molecular beams

Optical beams

Particle beams

Bean model

UF: Pry and Bean model BT: Superconductivity

Bearing estimation

USE: Direction-of-arrival

estimation

Behavioral sciences

BT: Systems, man, and

cybernetics

RT: Affective computing

Bio-inspired computing

Cyberethics

Emotion recognition

Ergonomics
Human factors
Medical services
Persuasive systems
Social computing
System dynamics

NT: Animal behavior

Cognition

Consumer behavior

Psychiatry Psychology

Social intelligence

Belief propagation

BT: Iterative algorithms

RT: Bayes methods

Bellows

Belts

BT: Mechanical products

RT: Pistons

Pneumatic systems

Pumps

Vacuum systems

UF: Cambelts

Seat belts

BT: Machine components

Machinery

RT: Automotive components

Camshafts

Fasteners

Benchmark problems

USE: Benchmark testing

Benchmark tasks

USE: Benchmark testing



Bevel gears

Benchmark testing USE: Gears

> UF: Benchmark problems

Benchmark tasks

Benchmarking

BT: Testing

Performance evaluation RT:

Beverage industry

BT: Industries Bottling RT:

Food industry

Benchmarking ВΙ

> USE: Benchmark testing USE: Business intelligence

Benign masses Βi

> Benign tumors Bismuth USE: USE:

Benign tumors Bi-stable circuits

> Benign masses Bistable circuits UF: USE:

BT: Tumors

Bibliographies

BER BT: Writing USE: Bit error rate RT: Publishing

Bibliometrics BER analysis

USE: Bit error rate BT:

Publishing NT: Citation analysis

BER performance

USE: Bit error rate BiCMOS integrated circuits

> UF: BiMOS integrated

Berkelium circuits

> Chemical elements BT: BT: Bipolar transistor

> > circuits

Berry phase

BT: Waves **Bicycles**

BT: Land vehicles **BERT**

RT: Sports equipment

USE: Bit error rate

Bidirectional communication USE: Bidirectional control

Beryllium Chemical elements BT:

Bidirectional control

Bespoke production UF: Bidirectional

> USE: Job production systems communication

Bidirectional

Best practices reflectance

> BT: Management BT: Control systems

Quality assurance

Business communication Bidirectional power flow RT:

BT:

Power system control

Beta rays

Bidirectional reflectance BT: Nuclear physics

RT: Electrons USE: Bidirectional control

Betavoltaic power sources Bifurcation

USF: Radioactive materials BT: Nonlinear equations

> Chaos RT:



USE: Binary phase shift

Big Data

BT: Data collection RT: Data handling

Data mining

Data storage systems
Information management
Information processing
Information retrieval

Linked data Neuroinformatics NoSQL databases

NT: Big Data applications

Big Data applications

BT: Big Data

Computer applications

RT: Cloud computing
Data analysis
Data systems

Information analysis
Information systems

Bilinear systems

USE: Nonlinear systems

Billets

BT: Bars

Bills of materials

BT: Inventory management

Materials requirements

planning

BiMOS integrated circuits

USE: BiCMOS integrated

circuits

Binary codes

DT.

BT: Codes

NT: Reflective binary

codes

Binary decision diagrams

BT: Data structures

Binary phase shift keying

Binary phase-shift keying

UF: BPSK

Binary phase-shift

keying

BT: Phase shift keying

Binary search trees

BT: Binary trees

Binary sequences

BT: Sequences

Binary trees

keying

BT: Tree data structures NT: Binary search trees

Bio-computing

USE: Bio-inspired computing

Bio-inspired computing

UF: Bio-computing

Biocomputing

Bioinspired computing Biologically inspired

computing

BT: Artificial

intelligence

Biologically inspired

engineering

RT: Behavioral sciences

Biology

Machine learning Mathematics Neural networks Social factors

Bio-MEMs

USE: Biomedical

microelectromechanical systems

Bio-nanotechnology

notechnology

USE: Bionanotechnology

Bioacoustics

USE: Biomedical acoustics

Bioceramics

BT: Biological materials

Biomedical materials

Ceramics

RT: Ceramics industry

Prosthetics

Biochemical analysis

BT: Biochemistry RT: Biochips



Biochemistry

UF: Enzymes Bioelectric phenomena

Hormones UF: Electrobiology

Metabolic networks BT: Biology
Metabolism RT: Brain

BT: Biology Electrical accidents

Chemistry Electroencephalography

Biological cells

Bioreactors

Cell signaling

Computational

Electromyography

Electrooculography

Nervous system

Electric shock

biochemistry

RT:

Drugs Bioelectric potentials

Molecular biophysics USE: Action potentials

Pharmaceutical

technology Bioengineering

Pharmaceuticals USE: Biomedical engineering

NT: Amino acids
Biochemical analysis Biofeedback

Peptides USE: Biological control

Proteins systems

(biochemistry) Biofuels

BT: Fuels Biochips

BT: Molecular biology **Biogeography**

RT: Biochemical analysis BT: Biodiversity

Microfluidics

Receptor

NT: Digital microfluidic **Biographies**

biochips BT: Writing

RT: Engineering profession

Biocomputing NT: Autobiographies

USE: Bio-inspired computing
Biohazards

Biocontrol UF: Germ warfare

USE: Biological control BT: Hazards

systems RT: Chemical hazards
Green products

Biocybernetics Medical treatment

USE: Cybernetics Terrorism

Biodegradable materials Bioimpedance

BT: Biodegradation BT: Biomedical engineering

Current

odegradation RT: Blood flow

Biodegradation RT: Blood flow BT: Environmental

management Bioinformatics

RT: Waste management BT: Engineering in

NT: Biodegradable medicine and biology materials RT: Biology

Biomedical informatics

Biodiversity Computational

BT: Biology biochemistry

NT: Biogeography Computational biology



Computational USE: Electron paramagnetic resonance

biophysics

NT: Neuroinformatics

Bioinspired computing

USE: Bio-inspired computing

Biological cells

UF: Cell biology

Chromosomes

BT: Biology RT: Biochemistry

Biological materials

Biomembranes

DNA

Microorganisms
Self-assembly
Cell signaling

NT: Cell signaling Cells (biology)

Chromosome mapping

Fibroblasts

RNA

Stem cells

Biological clocks

USE: Chronobiology

Biological control systems

UF: Biocontrol

Biofeedback

BT: Systems, man, and

cybernetics

RT: Immune system

Legged locomotion

Prosthetics

NT: Biomarkers

Biological effects of protons

USE: Proton effects

Biological effects of radiation

UF: Biological radiation

effects

BT: Radiation effects

RT: Biomedical applications of radiation

Neutron capture

therapy

Occupational health

Proton therapy

Radiation protection

Biological EPR

Biological information theory

BT: Biology

Information theory

RT: DNA

Genetic communication

Biological interactions

BT: Biological processes

Biological macromolecules

USE: Molecular biophysics

Biological markers

USE: Biomarkers

Biological materials

BT: Materials

RT: Biological cells

Biomedical materials

Fats

Tissue engineering

NT: Bioceramics

Biological membranes

USE: Biomembranes

Biological neural networks

UF: Neuronal networks
BT: Neural networks

Neurophysiology

Biological organs

USE: Biological systems

Biological processes

BT: Biology NT: Biological

interactions

Chronobiology Circadian rhythm

Coagulation
Molecular biology

Symbiosis

Biological radiation effects

USE: Biological effects of

radiation

Biological sensors

USE: Biosensors



Biological system modeling Bioinformatics

BT: Biology Biologically inspired

RT: Mechanobiology engineering

Synthetic biology Computational biology

Immune system
Life sciences

USE: Systematics NT: Biochemistry

Biodiversity

Biological systems

Biological systematics

al systemsBioelectric phenomenaUF:Biological organsBiological cells

Organs (biological) Biological information

BT: Biology theory

RT: Animals Biological processes

Artificial biological Biological system

organs modeling

Biomedical engineering Biological systems NT: Anatomy Biology computing

Molecular Biophotonics tion Biophysics

communication Biophysics
Organisms Cryobiology

Biological techniques Evolution (biology)
Genetics

BT: Biomedical engineering Homeostasis
RT: Biomedical equipment Mechanobiology
Microinjection

Biological tissue Microinjection

Nanobioscience

USE: Biological tissues Physiology

USE: Biological tissues Physiology Predator prey systems

Biological tissues Synthetic biology
UF: Biological tissue Systematics

Tissues Systems biology
BT: Anatomy Vegetation
NT: Bone tissue Zoology

Breast tissue

Cardiac tissue

Biology computing

Connective tissue

BT: Biology

Glands RT: Biomedical computing

Neoplasms Computers and

information processing Biologically inspired computing

USE: Bio-inspired computing Bioluminescence

BT: Luminescence

Biologically inspired engineering

BT: Engineering - general Biomagnetics

RT: Biology UF: Biomagnetism Biomimetics BT: Biophysics

Complex systems Magnetics

NT: Bio-inspired computing RT: Biomedical engineering

Biology
BT: Engineering in

Magnetic fields
Magnetic materials
Magnetic particles

medicine and biology NT: Magnetoencephalography
Science - general

RT: Bio-inspired computing Biomagnetism

KI: Bio-inspired computing Biomagnetism



USE: Biomagnetics Positron emission

tomography **Biomarkers**

Radiation effects UF: Biological markers

Radiography Human disease markers

Synchrotron radiation Biological control BT:

Biomedical communication systems

Biomedical measurement BT: Communication systems NT:

Molecular biomarkers Engineering in

medicine and biology **Biomass**

RT: Nanocommunication

BT: Renewable energy (telecommunication) sources

Picture archiving and

communication systems

Biomechanics NT: Biomedical telemetry Mechanical factors Telemedicine BT:

Anthropometry

Cell signaling Biomedical computing

Mechanobiology UF: Medical computing Wearable robots BT: Engineering in

medicine and biology

Biomechatronics Biology computing RT: Mechatronics BT:

Biomedical signal

processing Biomedical acoustics

Computer applications UF: Bioacoustics Picture archiving and

> Biomedical ultrasonics communication systems

BT: Acoustics Signal processing

RT: Acoustic applications Biomedical informatics NT:

> Medical expert systems Acoustic measurements Medical information Auditory system

systems

Biomedical applications of Biomedical electrodes electromagnetic radiation

USF: Biomedical BT: Biomedical equipment applications of radiation RT: Biomedical engineering

Biomedical measurement Biomedical applications of radiation Electrophysiology

Biomedical UF:

applications of electromagnetic Biomedical electronics radiation BT:

Biomedical engineering RT: Biomedical equipment Radiation therapy

BT: Biomedical engineering Nuclear and plasma Biomedical engineering

UF: sciences

Bioengineering RT: Angiocardiography BT: Engineering in

Biological effects of medicine and biology

> RT: Biological systems Biomedical imaging Biomagnetics

Cancer Biomedical electrodes Collimators Biomedical engineering Computed tomography education

Gamma-ray detectors Biomedical monitoring Medical treatment



radiation

RT:

Biomedical optical Biomedical electrodes imaging Biomedical telemetry Biomedical transducers Colloidal lithography Genetic communication Catheters Genetic engineering Cybercare Endoscopes Hospitals Microfluidics Gerontechnology Hypodermic needles **Orthotics** NT: Bioimpedance **Implants** Biological techniques Intracranial pressure Biomedical sensors applications of radiation Lithotriptors Biomedical electronics Medical instruments Biomedical signal **Pacemakers** Stethoscope processing Biotechnology Surgical instruments Cloning Drug delivery Biomedical image processing Neural engineering UF: Medical image Protein engineering processing Tissue engineering BT: Biomedical signal processing Biomedical engineering education RT: Biomedical imaging Biomedical optical BT: Engineering education RT: Biomedical engineering imaging Functional magnetic Biomedical equipment resonance imaging UF: Clinical equipment Magnetoencephalography Subtraction techniques Medical equipment Engineering in NT: BT: Imaging phantoms medicine and biology Motion artifacts RT: Biological techniques Neuroimaging Biomedical electronics Radiographic image Biomedical measurement enhancement Biomedical Radiology microelectromechanical systems Ultrasonography Collimators Whole body imaging Electrocardiography Electroencephalography Biomedical imaging Endomicroscopy UF: Biomedical X-ray Insulin pumps imaging Medical control Medical imaging systems Tomosynthesis Medical robotics BT: Engineering in medicine and biology Molecular biophysics Nanosensors **Imaging** Needles Biomedical RT: **Orthotics** applications of radiation Prosthetics Biomedical image Sensory aids processing Speech synthesis Data visualization Surgery Isosurfaces ZigBee Medical diagnosis Molecular biophysics NT: Assistive technology



Picture archiving and Electrooculography

communication systems

Radiation imaging

Tomography

Ultrasonic imaging

NT: Angiocardiography

Angiography

Biomedical optical

imaging

Cardiography

DICOM

Elastography Encephalography Mammography

Medical diagnostic

imaging

Molecular imaging

Phantoms

Photoacoustic imaging

Biomedical informatics

RT:

Biomedical computing BT:

> Informatics Bioinformatics

Biomedical infrared imaging

USE: Biomedical optical

imaging

Biomedical instruments

Biomedical measurement USF:

Biomedical materials

BT: Materials

RT: Biological materials Diamond-like carbon

Molecular biophysics

NT: Bioceramics

Biomembranes

Biomedical measurement

Biomedical instruments UF:

Biomedical

measurements

BT: Measurement RT: Anthropometry

Biomedical electrodes

Biomedical equipment Biosensors

Pulse oximetry

NT: Biomarkers

Biomedical monitoring

Electroencephalography

Electromyography

Electrophysiology Photoplethysmography

Reproducibility of

results

Sensitivity and

specificity

Biomedical measurements

USE: Biomedical measurement

Biomedical microelectromechanical systems

> Bio-MEMs UF:

BT: Micromechanical

devices

RT: Biomedical equipment

Biomedical monitoring

BT: Biomedical measurement RT: Biomedical engineering

Phonocardiography

Nanomedicine NT:

Biomedical MRI

USE: Magnetic resonance

imaging

Biomedical optical imaging

Biomedical infrared UF:

imaging

Biomedical imaging BT: Biomedical engineering RT:

Biomedical image

processing

Endomicroscopy Endoscopes Infrared imaging

Optical communication

equipment

Optical devices

Biomedical signal processing

BT: Biomedical engineering RT: Biomedical computing

> Neurophysiology Time-frequency

analysis

Biomedical image

processing

Biomedical telemetry

NT:

UF: Biotelemetry



BT: Biomedical Biomimicry Bionics

communication

BT: Microprocessors

Biomedical equipment Telemetry RT: Biologically inspired

engineering

Biomedical transducers

Biomimetic materials

Biomedical equipment BT:

> Transducers Biomimicry

> > USE: **Biomimetics**

Biomedical ultrasonics

USE: Biomedical acoustics Biomolecular electronics

> USE: Molecular electronics

Biomedical X-ray imaging

Biomolecules USE: Biomedical imaging

> USE: Molecular biophysics

Biomembranes

UF: Biological membranes Bionanotechnology

> Membranes UF: Bio-nanotechnology

> > Bionics

Biomedical materials BT: BT: Engineering in

RT: Biological cells medicine and biology

Nanotechnology

Biomagnetics

Cellular biophysics

Molecular biophysics

Biometric systems

USE: Biometrics (access

control)

Biomimetics USE:

Biophotonics

Biometrics (access control)

UF: Biometric systems BT: Biology Photonics

BT: Identification of

persons

Access control RT: **Biophysics**

> Algorithms BT: Biology Automation Physics

Handwriting RT: Computational

biophysics recognition

> Information technology Aerospace biophysics NT:

Security

Speaker recognition

Face recognition NT:

Fingerprint

recognition **Biopsy**

> Gait recognition BT: Medical tests

Iris recognition

Palmprint recognition **Bioreactors**

BT: Chemical reactors

Biomimetic materials RT: Biochemistry

Biomimetics

Smart materials Biorthogonal modulation

BT: Wavelet transforms

Biomimetic microelectronics

BT:

USE: **Biomimetics** Biosensors

> UF: Biological sensors

Chemical and **Biomimetics** BT:

> UF: Biomimetic biological sensors

Biomedical measurement microelectronics RT:



Biosphere Birefringence

Environmental factors BT: BT: Optics

> Geoscience RT: Photorefractive effect

> > Photorefractive

Biotechnology materials

Biomedical engineering Refractive index BT: Genetic engineering RT: Thermooptic effects

Birth disorders Biotelemetry

> USE: Biomedical telemetry BT: Amniocentesis

Bioterrorism Bismuth

BT: Engineering in UF: Βi Metals

medicine and biology BT:

Bismuth compounds Terrorism RT:

Bipartite graph Bismuth compounds

UF: BT: Graph theory **BSCCO** BT: Compounds Biped Locomotion RT: Alloying

Bismuth USE: Legged locomotion

Bipolar integrated circuits BIST

BT: Bipolar transistor USE: Built-in self-test

circuits

RT: Bipolar transistors Bistability (optical)

USE: Optical bistability Bipolar transistor circuits

Bistable circuits BT: Circuits

> Parameter extraction Bi-stable circuits RT: UF:

NT: BiCMOS integrated BT: Circuits NT: Latches

Bipolar integrated

circuits Bistable multivibrator

USE: Pulse circuits Bipolar transistors

Bistatic radar Power semiconductor BT:

Radar switches BT:

RT: Bipolar integrated

circuits Bit allocation Proton radiation USE:

Bit rate effects

Semiconductor Bit error rate

BER epitaxial layers UF:

Transistors

BER analysis BER performance Insulated gate bipolar NT:

transistors BFRT

Kirk field collapse Bit error rate test

Error analysis effect BT:

Birds Bit error rate test

BT: Animals USE: Bit error rate

RT: Beak



circuits

Bit interleaved coded Impellers

USF: Interleaved codes Propellers Turbomachinery

Bit rate

UF: Bit allocation

Bitrate

BT: Timing

Communication system RT:

signaling

Computer networks

Signal processing

Bit-interleaved coded

USE: Interleaved codes

Bitcoin

BT: Cryptocurrency RT:

Blockchain Cryptography Finance

Online banking

Bitrate

USE: Bit rate

Bitumen

USE: Asphalt

Black Lead

USF: Graphite

BlackBerry

USE: Handheld computers

Blacklist

USE: Blacklisting

Blacklisting

UF: Blacklist

BT: Access control

RT: Computer security

Countermeasures

(computer)

Whitelists

BT: Urogenital system

Blades

Bladder

UF: Vanes

BT: Mechanical products RT: Agricultural machinery

Cutting tools

Fans

Blanking

Manufacturing systems BT:

RT: Metal products

Metals

Sheet metal processing

Blast furnaces

BT: Furnaces RT: Smelting

Bleaching

Materials processing BT: RT: Manufacturing systems

> Paper making Process control Textile technology

Bleeding

USE: Hemorrhaging

Blind channel estimation

USE: Blind equalizers

Blind equalisers

Blind equalizers USE:

Blind equalizers

UF: Blind channel

estimation

Blind equalisers

BT: Equalizers

Blind signal separation

Blind source USE:

separation

Blind source separation

UF: Blind signal

separation

BT: Source separation

RT: Adaptive signal

detection

Array signal

processing

Independent component

analysis Signal analysis

Signal detection

Blindness



BT: Medical conditions RT: Electronic mail

RT: Visual prosthesis Internet

Social network

Blob detection services

> BT: Computer vision

> > Image processing Blood

Feature extraction BT: Blood vessels RT: NT: Blood platelets

Block chain

Coagulation USE: Blockchain Red blood cells White blood cells

Block codes

Block coding Blood clots UF:

BT: Channel coding USE: Coagulation

Mobile communication RT:

Linear codes Blood flow NT:

BT: Blood pressure Block coding

RT: Bioimpedance Block codes NT: USE: Hemodynamics

Block signaling Blood platelets

> Blood USE: Block signalling BT:

RT: Coagulation

Block signalling

systems

UF: Block signaling Blood pressure

> Signaling block UF: Arterial pressure BT: Blood vessels

systems Signalling block NT: Blood flow

Blood pressure

BT: Control systems measurement

Railway communication Blood pressure

RT: Collision avoidance variability

Rail transportation

Blood pressure measurement Blockchain BT:

Blood pressure UF: Block chain

BT: Computer applications Blood pressure variability

RT: Authentication BT: Blood pressure

Bitcoin

Blood vessels Computer security

Content management BT: Cardiovascular system

Cryptocurrency NT: Arteries Cryptography Blood

Data collection Blood pressure

Directed acyclic graph Veins

Distributed ledger

Proof of work Bluetooth

BT: Personal area networks Blogging

Radio communication

USE: Blogs RT: Communication

equipment

Blogs Digital communication UF: Blogging IEEE 802.11 Standard

Information retrieval BT: IEEE 802.11g Standard



IEEE 802.11n Standard

IEEE 802.15 Standard

Land mobile radio BT: Heating systems Land mobile radio RT: Heat recovery Steam engines

Boilers

cellular systems

Protocols

Spread spectrum

communication

Wireless LAN

Wireless communication BT: ZigBee RT:

Temperature

BNCT

USE: Neutron capture

therapy

BNSC

UF: British National Space

Centre

BT: Organizations

Boat building industry

Shipbuilding industry USE:

Boats

UF: **Barges**

Yachts

BT: Marine vehicles

Body area networking

Body area networks USE:

Body area networks

UF: Body area networking

BT: Personal area networks

Body regions

BT: Anatomy

NT: Abdomen

Back

Breast

Extremities

Head

Neck

Pelvis

Perineum Thorax

Torso

Viscera

Body sensor networks

BT: Personal area networks

Wireless sensor

BT: networks

Bolometers

Radiation detectors

Infrared detectors

Turbines

Waste heat

measurement

Bolts

USE: **Fasteners**

Boltzmann distribution

BT: **Statistics**

> NT: Lattice Boltzmann

methods

Boltzmann equation

UF: Boltzmann transport

equation

BT: **Equations**

Boltzmann transport equation

USE: Boltzmann equation

USE: Weapons

Bonding

Bomb

BT: Bonding processes

RT: Manufacturing

Materials processing

Adhesives NT:

Bonding forces

BT: Materials testing

Bonding processes

NT:

BT: Fabrication

Joining processes

RT: Soldering

Welding

Bonding

Diffusion bonding Wafer bonding

Bone density

UF: Bone mineral density

Bones



RT: Density measurement **Boron** BT: Chemical elements Bone diseases Metals BT: Diseases RT: Fertilizers NT: Osteoarthritis NT: Boron alloys Osteoporosis Boron alloys Bone mineral density BT: Boron USE: Bone density RT: Magnetic materials Bone tissue Boron neutron capture therapy BT: Biological tissues USE: Neutron capture RT: **Bones** therapy NT: Cancellous bone Cortical bone Bot (Internet) WWW robot UF: Web robot **Bones** BT: Skeleton BT: Computer applications Internet RT: Bone tissue Skull World Wide Web NT: Bone density RT: Crawlers Pelvic bones Botnet Bonuses BT: Interconnected systems USE: Incentive schemes Internet Software agents Book reviews RT: Computer crime BT: IEEE indexing Distributed denial-ofservice attack Boolean algebra Robots BT: Algebra RT: Logic **Bottling** Logic gates BT: Packaging Set theory RT: Beverage industry Boolean functions NT: Glass products Packaging machines **Boolean functions** Plastic products BT: Boolean algebra Fault trees **Boundary conditions** RT: NT: Logic functions BT: Boundary value problems **Boosting** NT: Upper bound BT: Machine learning Supervised learning Boundary element methods Partial differential BT: **Booting** equations BT: Operating systems RT: Integral equations Method of moments Boring BT: Machining Boundary value problems RT: BT: Mathematics Drilling



Milling

Turning

equations

RT:

NT:

Partial differential

Boundary conditions

Encephalography Bovine

Head

Amygdala

NT:

Animals BT: Intracranial pressure

NT: Cows sensors

Magnetoencephalography Box Jenkins models Soma

USF: Autoregressive Synapses

White matter processes

BPF Basal ganglia

> USE: Band-pass filters Brain cells Brain injuries Brain modeling

BPR USE: Brain ventricles Business process re-

engineering Brainstem Cerebellum

BPSK Cerebral cortex

USE: Binary phase shift Cerebrum

keying Corpus callosum Forebrain

Brachial Frontal lobe USE: Brachytherapy Hindbrain Hypothalamus

Brachytherapy Limbic system UF: Brachial Midbrain

BT: Medical treatment Neural activity RT: Radiation effects Neural implants Neurodynamics

Bragg gratings Neurophysiology UF: Fiber Bragg gratings Neuropsychology Fiber-Bragg gratings Neurotechnology

BT: Filters Occipital Lobe Optical devices Parietal lobe

RT: Diffraction Primary motor cortex

Diffraction gratings Sleep

Laser beams Temporal lobe

Light deflectors Thalamus

Optical beams Ventricle system Virtual artifact Optical transmitters

Temperature sensors Wavelength division Brain cells

multiplexing BT: Brain

NT: Fiber gratings

Brain computer interfaces Brain USE:

Brain-computer

BT: interfaces Nervous system

Bioelectric phenomena Cerebrospinal fluid Brain implants

Cognition USE:

Neural implants Cognitive informatics

Cognitive science Brain injuries

Diffusion tensor BT: Brain

imaging Injuries

Electroencephalography



RT:

Brain interfaces RT: Neural engineering

USE: Brain-computer

BT:

interfaces Brain-computer-interfaces

USE: Brain-computer

Brain machine interfaces interfaces

Brain-computer USE: interfaces Brain-machine interfaces

USE: Brain-computer

Brain mapping interfaces

> Nervous system BT: NT: Neuroimaging BrainLobe

USE: Frontal lobe Brain modeling

UF: Brain modelling Brainstem

> BT: Brain UF: Brain stem Brain Modeling BT:

Brain modelling Brainstem implants

USE: Brain modeling UF: Brain stem implants

BT: **Implants**

Brain plasticity USE: Neuroplasticity **Brakes**

BT: Control systems

Mechanical products Brain stem USE: Brainstem RT: Automotive components

Brain stem implants **Brand management**

USE: Brainstem implants BT: Marketing management RT: Market research

Brain stimulation Product development Medical treatment

Brazing Brain ventricles BT: Soldering

BT: Brain RT: Welding

Brain-computer interaction Breadboard

USE: Brain-computer UF: Plugboard interfaces Solderless breadboard

BT:

BT:

Electronic circuits

Voltage

Brain-computer interfaces Prototypes

UF: Brain computer

interfaces Breakdown Brain interfaces USE: Electric breakdown

Brain machine

interfaces

Brain-computer

Breakdown voltage

interaction RT: Current

Brain-computer-Diodes Insulators

interfaces Brain-machine

interfaces **Breast** Mind-machine BT: Body regions

interfaces NT: Breast biopsy User interfaces Breast cancer BT:

Breast tissue Transportation

Breast tumors

Brightness

Breast biopsy BT: Optics 0

BT: Breast NT: Brightness temperature

Brightness temperature Breast cancer

> Breast-cancer BT: Brightness

BT: Breast Brillouin scattering Cancer

BT: Scattering

Breast neoplasms

BT:

UF:

UF: Mammary neoplasms Bring your own device

BT: Neoplasms UF: **BYOD**

BT: Information technology

Breast tissue Mobile computing RT: UF:

Breast tissues Office automation Biological tissues Personnel

Breast Security Smart phones

Breast tissues

British National Space Centre USE: Breast tissue

BNSC USF: Breast tumor

Breast tumors Broadband amplifiers USE:

> UF: Wideband amplifiers

Amplifiers Breast tumors BT:

UF: Breast tumor Broadband

communication Breast tumour

Breast tumours

Broadband antennas BT: Breast

Tumors UF: Wideband antennas BT: Antennas

Breast tumour RT: Antenna arrays

USE: Breast tumors Microstrip

Microwave propagation Breast tumours UHF propagation

USE: NT: Ultra wideband Breast tumors

antennas

Vivaldi antennas Breast-cancer

USE: Breast cancer

Broadband communication

Broadband networks Bremsstrahlung BT: Electromagnetic BT: Communication systems

radiation RT: Asynchronous transfer

mode

Bridge circuits Cable TV

> BT: Circuits Frequency division

RT: Rectifiers multiaccess

IEEE 802.16 Standard **TPTV Bridges**

BT: Structural shapes Multimedia

RT: Civil engineering communication Structural engineering



UF:

Optical fiber UF: Fractional brownian motion

communication

BT: Ultra wideband Random processes

communication

Video on demand

NT: B-ISDN

Broadband amplifiers

Browsers

Google Chrome UF:

Web browsers

Diffusion processes

Broadband ISDN

USE: **B-ISDN** BT: Computer interfaces

RT: User interfaces

Broadband networks

Broadband USE:

communication

Broadcasting

broadcasting

broadcasting

Brushes BT: Contacts

RT:

RT: Rotating machines

Broadcast technology

NT: Broadcasting Brushless DC motors UF:

Brushless direct current motors

Brushless direct

current motors

Brushless motors BT:

DC motors

Brushless DC motors

Electric machines

UF: Broadcasts

BT: Broadcast technology Entertainment industry RT:

Digital audio NT:

USF:

BT:

Digital multimedia Brushless machines

broadcasting

Digital video

Brushless motors

Motion pictures BT:

Radio broadcasting Satellite broadcasting

Web TV

Motors

Brushless DC motors NT:

BSCCO

USE: Bismuth compounds

Broadcasts

Broadcasting USE:

Buck converters

BT: DC-DC power converters

Bromine

BT: Chemical elements

NT: Bromine compounds Buckeyballs

Fullerenes USE:

Bromine compounds

UF: Organobromine Buckminsterfullerene

USE: **Fullerenes**

compounds

Bronchi

BT: Bromine

Buckyballs Chemical compounds

USE: Fullerenes

RT: Flame retardants

Buckytubes

USE: Respiratory system

Medical diagnosis

USE: Fullerenes

Buffer layers

BT: Thin films

RT: Diffusion processes

> Semiconductor films Semiconductor growth

Brownian motion

BT:



Bronchoscopy

Space heating

Facilities management

Building integrated

Space habitats

Air conditioning

Civil engineering

Industrial power

Prefabricated

Smart cities

Space cooling

Building materials

Intelligent structures

Design for testability

Building services Flexible structures

Smart buildings

Smart homes

Self-testing

Circuit testing

Acoustic devices

Film bulk acoustic

Construction industry

Modular construction

Construction

Architecture

Elevators Escalators

Lighting

Vents

BIST

Testing

Buffer overflows Wiring

Building automation BT: Computer crashes NT:

Elevators

Building-integrated photovoltaics

Buffer storage

BT: Memory

RT: Data handling

Telecommunication

photovoltaics

Buildings

systems

construction

NT:

Built-in self-test

UF:

BT:

RT:

BT:

RT:

BT:

RT:

Bulk acoustic wave devices

USE:

UF:

BT:

RT:

buffers

NT: Computer buffers

Bugs

Computer bugs USE:

Building automation

Automation BT:

Building services

RT: Construction industry

Building integrated photovoltaics

Building-integrated

photovoltaics

Roof mounted

photovoltaics

Roof mounted solar

cell arrays

BT: Photovoltaic systems RT: Building services

Solar power generation

Building materials

BT: Buildings

Materials

RT: Aggregates

Construction

Construction industry

Prefabricated

construction

Structural beams

NT: Asphalt

> Concrete Floors

> > Mortar

Tiles

Windows

Building services

BT: Buildings

RT: Access control

Air conditioning

Building integrated

photovoltaics

Bundle adjustment **Furnaces** BT:

Three-dimensional

Material storage

Containers

displays

resonators

Bulk storage

Lighting



Buoyancy

Fluid dynamics

Productivity Service computing

Manufacturing

RT: Fluids Physics NT: Business data

processing

Buried object detection

BT:

UF: Buried objects

Underground object

detection

Underground objects

BT: Object detection

RT: Geophysical

measurements

Ground penetrating

radar

NT: Landmine detection

Buried objects

USE: Buried object

detection

Burnishing

BT: Surface finishing

RT: Machining

Burst switching

BT: Packet switching

NT: Optical burst

switching

Bushings

USE: Insulators

Business

UF: Commerce

Trade

BT: Engineering management

RT: Bankruptcy

Business process

integration

Business process

management

Commercial law

Consortia

Contracts

Employment

Enterprise resource

planning

Finance

Industrial

communication

Industries

International trade

Business intelligence Disruptive innovation

Entrepreneurship Industrial relations

Management

Operations research

Organizations

Business communication

BT: Organizational aspects

RT: Best practices

Business continuity

BT: Management RT: Security

System recovery Venture capital

Business data processing

BT: Business

Data processing

RT: Information processing

Business intelligence

UF: ΒT

> BT: Business

> > Data analysis

RT: Competitive

intelligence

Data mining

Strategic planning

Business organisation

Organizational aspects USE:

Business organization

USE:

Organizational aspects

Business process integration

BT: Enterprise resource

planning

Process planning

RT: Business

Resource management

Supply chain

management

Systems engineering

and theory



Business process management UF: C sharp languages

BT: Management BT: C languages

Process planning RT: Object oriented

C-band

RT: Business programming

Resource management

Supply chain C++ languages

management BT: C languages

Systems engineering and theory

USE:

NT: Task analysis BT: Microwave bands

•

Business process re-engineering Ca

UF: BPR USE: Calcium

BT: Management

Total quality RT: Cables
anagement Oil filled cables

management

WS-BPEL

Oil filled cables

NT: Power cable insulation

Business writing Cable shielding

USE: Writing BT: Electromagnetic

shielding

Bring your own device

Butler matrices RT: Cables

UF: Butler matrix
BT: Antenna arrays Cable splicing

RT: Antennas USE: Splicing

TEEE 000 11 Chandand

Wireless LAN BT: TV

RT: Broadband
Butler matrix communication

USE: Butler matrices Image communication

5

Butter Cables
USE: Dairy products BT: Transmission lines

RT: Cable insulation

Buttocks Cable shielding

ocks
BT: Extremities
Conductors
Equil: location

Fault location Winches

NT: Coaxial cables

C languages Communication cables
BT: Computer languages Mechanical cables

RT: Object oriented Optical fiber cables

programming Power cables
NT: C# languages Underwater cables

C++ languages Underwater Cables

Wiring

Page 64

Cables (mechanical)
C sharp languages
USE: Mechanical cables

USE: C# languages

Cache memory
C# languages
BT: Memory

Engineers (IEEE) for the benefit of humanity.

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NT: Cache storage

Cache memory

BT:

Calcium compounds

UF: Cache storage Calcium carbonate

Calcium phosphate

RT: Computer buffers BT: Calcium

CAD Calcium phosphate

Design automation USE: USE: Calcium compounds

Calculators Cadaver

> UF: Corpse BT: Computers

BT: Pathological processes RT: Digital arithmetic Difference engines NT:

CADCAM

BT: Computer aided Calculus

BT: Mathematics manufacturing

Differential equations Design automation NT: RT: Computer integrated Integral equations

Level set manufacturing

Integrated

manufacturing systems Calibration

Rapid prototyping Intercalibration UF:

> Virtual manufacturing BT: Measurement techniques

Cadmium Californium

> Chemical elements BT: Metals RT.

NT: Cadmium compounds

Call admission control

Cadmium compounds BT: Telecommunication

BT: Cadmium congestion control

CAE Call conference

USE: Computer aided BT: Collaborative tools

engineering

Callosal commissure

Caesium USE: Corpus callosum

USE: Cesium

Calorimetry

Energy measurement USE: Computer aided RT:

instruction Thermal variables

measurement Calcination

BT: Heat treatment CAM

RT: Computer aided Kilns USE:

manufacturing

BT:

Measurement

Calcium

CAI

UF: Ca CAMAC

UF: BT: Metals Computer automated

RT: Alloying measurement and control

Control systems Calcium compounds NT: BT:

RT: Data buses

Calcium carbonate Data communication USE: Calcium compounds Data processing

Prostate cancer Nuclear measurements Skin cancer

Cambelts

USE: **Belts** Cancer detection

> BT: Medical tests

> > Packaging

Containers

Material storage

Materials handling

Materials processing

Systems engineering

Software engineering

Software performance

Software reusability

Camcorders

Video equipment USF:

BT: Drugs

Cameras

BT: Imaging

RT: Digital photography

> Image capture Image sensors Motion pictures Photography

Digital cameras NT:

Smart cameras

Webcams

Cantilever beams

BT:

BT:

RT:

BT:

RT:

Capability maturity model

Capability-based security

BT:

RT:

Cancer drugs

Canning

USE: Structural beams

and theory

Cams Capability engineering

> BT: Machine components

RT: Engines

Mechanical power

transmission

Camshafts NT:

Camshafts

BT: Cams

Shafts

RT: Automotive components

> Belts **Engines**

Capacitance

characteristics

Cancellous bone BT: Electric variables

> BT: Bone tissue RT: Capacitance

RT: Osteoporosis measurement

Capacitance-voltage

Capacitors

Supercapacitors

Transmission line

Security

Access control

Cancer

imaging

Malignancy UF:

Malignant BT: Diseases Biomedical

RT:

applications of radiation

Chemotherapy

Medical diagnostic

NT: Quantum capacitance

Oncological surgery Capacitance measurement

Oncology BT: Electric variables

theory

Single photon emission measurement

computed tomography

Tumors

NT: Breast cancer

Cervical cancer

Metastasis

RT: Capacitance

Capacitors

Dielectric measurement

Capacitive transducers

Parasitic capacitance

Supercapacitors



CarboFullerene

Carbon

USE:

BT:

RT:

NT:

BT:

BT:

RT:

NT:

RT:

NT:

BT:

RT:

BT:

Carbon nanotube FETs

USF:

Carbon emissions

Carbon monoxide

Carbon compounds

Carbon dioxide BT:

storage

Carbon capture and storage

Fullerenes

Diamond

Graphene

Graphite

Carbon

Fullerenes

Carbon dioxide

Organic compounds

Carbon dioxide

Carbon emissions

Carbon compounds

Carbon compounds

Greenhouse effect

Pollution control

Carbon compounds

Carbon nanotubes

Global warming

Carbon capture and

Carbon tax

Gases

Methane

CNTFFTS

CNTFETS

Carbon monoxide

Chemical elements

Low-carbon economy

Organic compounds

Carbon nanotubes

Carbon compounds

Capacitance-voltage characteristics

Electric variables BT:

Capacitance RT:

Voltage

Capacitive sensors

Strain based sensors UF:

Strain sensors

BT: Mechanical sensors

Capacitive transducers

BT: Transducers RT: Capacitance

Position control

Sensors

Capacitor testing

Capacitors USE:

Capacitors

UF: Capacitor testing

Electric condensers

BT: Dielectric devices

Electronic components

Voltage multipliers

RT: Capacitance

Capacitance

measurement

Dielectric constant

Flectrets

MOS capacitors

0-factor

Switched capacitor

networks

NT: Power capacitors

Varactors

Capacity planning

Production planning BT:

RT: Supply chain

management

Storage management NT:

Carbon nanotube

USE:

Capital cost reduction

USE: Costing

CAPTCHAS

BT: Symbols

Access protocols RT:

Authentication

Carbinol USE: Methanol

USE: Carbon nanotube field-effect

Carbon nanotube field effect

transistors

transistors

USE: **CNTFETS**



RT: Cardiography Carbon nanotubes

Defibrillation

Carbon nanotube Heart Carbon-nanotube **Pacemakers** Single-wall carbon

Phonocardiography Cardiac tissue

Cardiac arrest

nanotubes

UF:

RT:

BT: Carbon

Nanotubes

Cardiopulmonary arrest **CNTFETS**

USE: Cardiac arrest

Diseases

Carbon tax

RT. Environmental

economics

Carbon dioxide RT:

Cardiac disease

BT:

NT:

BT:

NT:

Cardiovascular diseases

NT:

Cardiovascular system Carbon-nanotube

BT: USE: Carbon nanotubes Anatomy NT: Baroreflex Blood vessels

Heart

Education

Mentoring

Continuing education

Carbon-nanotube FETs

USE: CNTFETs

Carbon-nanotube field effect Career development

transistors

USE: **CNTFETS**

Carbon-nanotube field-effect

transistors

USE: **CNTFETS** Careers

Engineering profession USE:

Freight handling

Jobs listings

Cardiac arrest

Cardiopulmonary arrest UF:

Heart arrest

Heart attack

BT: Cardiovascular

Carotid arteries UF:

diseases Carotoid arteries BT: Arteries

Cardiac disease

BT: Cardiovascular

diseases

Carotoid arteries

Cargo handling

USE:

Carotid arteries USE:

Cardiac tissue Carrier confinement

> Biological tissues BT: BT: Charge carrier

> > Cardiology processes

Cardiography Carrier density

> BT: Biomedical imaging USF: Charge carrier density

RT: Cardiology

> Sputter etching Carrier lifetime

NT: Echocardiography USE: Charge carrier

> Electrocardiography lifetime

Phonocardiography

Carrier processes

Cardiology USE: Charge carrier

> Medical specialties BT: processes



Catalytic convertors

BT:

Cataracts

USE: Exhaust systems

Eyes

. ..

Carrier sense multiaccess

USE: Multiaccess

communication

Cars

Medical conditions

USE: Automobiles RT: Aging

Cartilage Catheterization

BT: Musculoskeletal system BT: Medical services

RT: Catheters

Cascade Lasers
USE: Ouantum cascade lasers
Catheters

BT: Biomedical equipment

Cascading style sheets RT: Catheterization

BT: Style sheet languages Surgery

RT: Markup languages

Cathode ray tubes
UF: 0

effect UF: CRT
UF: Casimir energy BT: Displays

Casimir force Electron devices

BT: Electric fields RT: Flyback transformers
Nanotechnology

RT: Atomic force Cathode-ray oscilloscopes

microscopy USE: Oscilloscopes Elementary particle

vacuum Cathodes

Vacuum systems UF: Photocathodes

Casimir energy BT: Electrodes RT: Electron emission

USE: Casimir effect Electron tubes

Casimir force Cats

USE: Casimir effect BT: Animals

Cast iron Cattle

Foundries

BT: Iron USE: Cows

RT: Casting

Production materials Cause effect analysis

UF: Fishbone diagrams
Castellations Ishikawa diagrams

USE: Flip chip solder BT: Process planning

joints RT: Expert systems Failure analysis

Failure analysis
Fault diagnosis
BT: Materials processing Pareto analysis

RT: Cast iron Testing

NT: Die casting Cavity perturbation methods

Tape casting BT: Perturbation methods RT: Cavity resonators

USE: Exhaust systems Cavity resonators

BT: Resonators



Catalytic converters

Casting

RT: Cavity perturbation BT: Biological cells methods NT: Extracellular

Ganglia Glial cells

Resonance Membrane potentials NT: Laser cavity Progenitor cells

resonators

CCD Cellular biophysics
BT: Biophysics

Klystrons

Microcavities

USE: Charge coupled devices RT: Molecular biophysics

Nanomedicine

CCD image sensors

BT: Image sensors Cellular land mobile radio

RT: Digital photography USE: Land mobile radio

cellular systems

CD recording

UF: Compact disk Cellular manufacturing

BT: Optical recording BT: Manufacturing systems RT: Laser applications RT: Flexible manufacturing

NT: CD-ROMs systems

Production control

CD-ROM

USE: CD-ROMs Cellular networks

BT: Land mobile radio

CD-ROM reviews cellular systems

BT: IEEE indexing RT: Device-to-device

communication

CD-ROMs Handover

Electronic publishing Microcell networks
Information systems Ultra-dense networks

CDMA Cellular neural networks

USE: Multiaccess BT: Neural networks

communication

RT:

Cellular phones

Cell biology UF: Cell phones

USE: Biological cells BT: Telephone equipment

Cell clones Cellular radio

USE: Cloning USE: Land mobile radio

cellular systems

Cell phones

USE: Cellular phones Cement industry

BT: Manufacturing

Cell signaling industries

UF: Cell signaling
BT: Biological cell

BT: Biological cells Censorship

RT: Biochemistry BT: Law Biomechanics RT: Cons

Biomechanics RT: Consumer protection Mechanobiology Government policies Law enforcement

Law enforcement Legal factors



Cells (biology)

Central air conditioning

Central air-UF:

conditioning

BT: Air conditioning

Central air-conditioning

Central air USE:

conditioning

Central nervous system

BT: Nervous system RT: Hypothalamus NT: Grey matter

Midbrain White matter

Central office

BT: Communication networks

Central Processing Unit

UF: CPU

Electronic circuits BT: RT: Hardware acceleration

NT: VLIW

Centralized control

UF: Integrated control BT: Control systems

Cepstral analysis

BT: Acoustics

RT: Music information

retrieval

Speech analysis Speech recognition

NT: Cepstrum

Mel frequency cepstral

coefficient

Cepstrum

BT: Cepstral analysis

Fourier transforms RT:

Ceramic glazes

BT:

Glazes

Ceramic products

BT: Manufactured products

RT: Ceramics

Glass products

Insulators Porcelain

Tiles

Ceramics

UF: Glass ceramics

BT: Insulation

Materials Aluminum oxide RT:

Ceramic products

Ceramics industry

Cermet

Dielectric materials Diffusion bonding

Electrets Firing Glass

Glass products

Glazes

High-temperature

superconductors

Magnesium oxide

Powders

Tape casting

Tiles

Bioceramics NT:

Porcelain

Ceramics industry

BT: Manufacturing

industries

RT: Bioceramics

> Ceramics Porcelain

Cerebellum

BT: Brain

Cerebral cortex

BT: Brain

Cerebrospinal fluid

RT:

Fluids and secretions BT:

Spinal cord

Brain

Cerebrum

BT: Brain

Cerenkov Lasers

USE: Free electron lasers

Cerium

BT: Chemical elements

Cermet

BT: Composite materials



RT: Ceramics UF: Channel state

> Metallic materials estimation

> > Channel-state

Certification

Cervical cancer

USE:

BT: Training

RT: Conformance testing

Communication channels BT: RT:

Equalizers

Land mobile radio Land mobile radio

cellular systems BT: Cancer

Multipath channels Signal detection Spread spectrum

communication

estimation

Cesium

UF: Caesium

BT: Chemical elements

Channel hot electron injection

Channel hot-electron injection

Channel hot-electron UF:

injection

BT: Hot carrier injection

CGM

music

dynamics

CFD

USE: Computer generated

Computational fluid

USE: injection

Chalcogenides

BT: Chemical compounds Channel models

BT: Communication channels

Channel hot electron

Change detection algorithms

BT: Algorithms Channel rate control

BT: Rate distortion theory

Channel allocation

Bandwidth allocation UF: BT: Communication channels

NT: Spectral efficiency Channel spacing

BT: Communication channels

RT: Optical fiber

applications

Rate distortion theory

Channel bank filters BT:

Filters

Channel state estimation

USE: Channel estimation

Channel capacity

Communication channels BT: Quantum communication RT:

Channel state information

Channel-state estimation

USE:

Communication channels BT:

Channel estimation

Channel coding

RT:

BT: Encoding

Information theory

Communication channels

Convolutional codes

Rate distortion theory

Space-time codes

NT: Block codes

Combined source-

Chaos

BT: Nonlinear systems RT:

Bifurcation

Econophysics Fractals

Nonlinear circuits Nonlinear dynamical

systems

Turbo codes

Pattern formation Predator prey systems



channel coding

Channel estimation

Random media

NT: Chaotic communication

Complexity theory

Spatiotemporal

phenomena

Charge carrier trapping

USE: Charge carrier

Excitons

Space charge

Conductivity

Semiconductor

Charge carrier

Charge carrier

Charge carrier

Charge injection

Charge transfer

Charge-injection

Charge-transfer

Hot carriers

CCD

Elementary particles

Charge carrier density

Impact ionization Semiconductivity

processes

materials

mobility

processes

Charge carriers

BT:

RT:

NT:

Chaotic communication

BT: Chaos

RT: Cryptography Synchronization

Time series analysis

Character generation

BT: Graphics

RT: Computer graphics

> Displays Printing

lifetime

Character recognition

UF: Print readers

BT: Pattern recognition

Text recognition RT:

Charge coupled devices

UF:

Electromagnetic BT:

Characteristic mode analysis

analysis

devices

devices

devices

devices

Charge carrier density

Carrier density UF:

BT: Charge carriers

Charge carrier lifetime

UF: Carrier lifetime

BT: Charge carriers

BT: Charge carriers Charge injection devices

BT:

Charge measurement

BT:

RT:

NT:

USE: Charge coupled devices

Electrostatic

Battery charge

Pulsed electroacoustic

MIS devices

Charge carrier processes

BT:

RT:

Charge carrier mobility

UF: Carrier processes

Charge carrier

trapping

carriers

Electron carriers

Hole carriers

Semiconductor charge

Charge pumps

measurement

measurements

methods

Charge carriers

Diffusion processes

Semiconductor

impurities

Carrier confinement NT:

Charge transfer

Electron mobility

Electron traps

UF: Charge-pumping

BT: Circuits

RT: Voltage multipliers

Charge transfer

BT: Charge carrier

processes



Drugs

Charge transfer devices Fractionation

USE: Charge coupled devices NT: Activation analysis

Chemical processes

Charge-coupled image sensors Chemicals

BT: Image sensors Electronic noses

Optoelectronic devices pH measurement

Chemical compounds

Charge-injection devices Chemical and biological sensors

USE: Charge coupled devices BT: Sensors
NT: Biosensors

Charge-pumping Gas detectors

USE: Charge pumps

Charge-transfer devices BT: Chemistry

USE: Charge coupled devices NT: Anti-freeze

Charged device model Bromine compounds
Charged device model Chalcogenides

USE: Electrostatic Ethanol discharges Methanol Radiotracer

Charging devices
USE: Battery chargers Chemical elements

BT: Chemicals

Charging stations Materials, elements,

BT: Power supplies and compounds

RT: Battery chargers NT: Actinium
Battery powered Aluminum

Electric vehicles Antimony
Hybrid electric Arsenic

vehicles

Plug-in hybrid

Berkelium

electric vehicles

Beryllium
Boron

CHCP
Bromine

USE: Trigeneration Californium

Chebyshev approximation Carbon

BT: Approximation methods Cesium
RT: Discrete cosine Chlorine
cransforms Curium

transforms
Curium
Darmstadtium
Checkpointing
Dysprosium

BT: System recovery Europium
Fluorine
Cheese Francium

USE: Dairy products Gadolinium
Hafnium
Chemical analysis Helium

BT: Chemistry Holmium
Materials science and Hydrogen
technology Iodine

RT: Chemical technology Iridium



vehicles

Isotopes Hazardous materials

Krypton Toxicology Lutetium NT: Toxic chemicals

Mercury (metals)

Molybdenum Chemical industry

Neon BT: Industries

NeptuniumRT:Chemical engineeringNitrogenChemical reactorsOsmiumChemical technologyOxygenElectrochemical

Phosphorus processes

Plutonium Petrochemicals
Polonium Petroleum industry

Potassium Pipelines

Praseodymium Plastic products
Promethium Plastics industry
Protactinium Rubber industry

Radium

Radon Chemical lasers

Rhenium BT: Lasers
Rhodium RT: Gas lasers

Roentgenium NT: Chemical oxygen iodine

Rubidium lasers

Ruthenium

Scandium Chemical mechanical planarisation
Selenium USE: Planarization

Sodium

Sulfur Chemical mechanical planarization

Tantalum USE: Planarization

Technetium

Tellurium Chemical oxygen iodine lasers
Terbium BT: Chemical lasers

Thallium Thorium

Thorium Chemical processes
Thulium BT: Chemical processes

nulium BT: Chemical analysis

Titanium NT: Leaching

Uranium Molecular sieves

Vanadium Osmosis
Ytterbium Oxidation
Yttrium Reverse osmosis
Zirconium Solvents
Thermolysis

Chemical engineering

BT: Engineering - general

Hazards

RT: Chemical industry Chemical products

Chemical products
Chemical technology
Process design

BT: Manufactured products
Chemical engineering
Chemistry

Chemistry Glass products Plastic products Production materials

Water splitting

RT: Biohazards NT: Fats

Contamination Inhibitors Explosions Lacquers



Chemical hazards

BT:

Mortar Atmospheric pressure NT:

chemical vapor deposition **Paints**

Petrochemicals Atomic layer

Petroleum deposition

Pharmaceuticals MOCVD

Pulsed laser Plastics

Propellants deposition

Chemical reactors Chemicals

> UF: Chemical analysis CSTR BT: BT: Chemical technology NT: Chemical elements

RT: Chemical industry

NT:

RT:

Crystallizers Chemistry

Process control BT: Science - general Water splitting RT: Chemical products Chemical technology Bioreactors

Drugs

Continuous-stirred tank reactor

Petrochemicals Pharmaceutical Ignition

technology

Pharmaceuticals Chemical sensors BT:

Chemical technology Pickling

Plastic products RT: Detectors NT: Astrochemistry

Chemical technology Biochemistry Industry applications BT: Chemical analysis

> Chemical analysis Chemical compounds Chemical engineering Geochemistry

Chemical industry Inorganic chemicals Interstellar chemistry Chemistry

Decontamination Organic chemicals Refining Photochemistry

NT: Chemical reactors Chemical sensors Chemotherapy

> Crystallizers BT: Medical treatment

Distillation equipment RT: Cancer Fluidization Drugs

Pharmaceutical Medical services

technology Oncology

Vitrification Patient monitoring

Child Chemical transducers

> Transducers USE: **Pediatrics** BT:

RT: Gas detectors Children

Chemical vapor deposition **Pediatrics** USF:

> Vapour deposition Chip design

BT: Plasma materials USE: Chip scale packaging

processing RT: Coatings Chip development

Epitaxial layers

USE: Chip scale packaging Films

Chip fabrication



UF:

CVD

USE: Chip scale packaging Chromatic dispersion

BT: Dispersion

Chip scale packaging

UF: CSP

Chip design Chip development Chip fabrication Chip-making process

Electronics packaging Integrated circuit

RT: I

BT:

Chip-making process

USE: Chip scale packaging

Chirp

BT: Signal processing

Chirp modulation

UF: Linear frequency

modulation

BT: Modulation RT: Sonar

Spread spectrum

communication

Spread spectrum radar

Chlorine

BT: Chemical elements

NT: Chlorine compounds

Chlorine compounds

UF: Chlorine dioxide

Chloroform

Hydrogen chloride Sodium chloride

BT: Chlorine

BI. CIIIOIT

Chlorine dioxide

USE: Chlorine compounds

Chloroform

USE: Chlorine compounds

Chokes

USE: Inductors

Choppers (circuits)

BT: Switching circuits

RT: Power conversion

CHP

USE: Cogeneration

Chrome plating

BT: Plating RT: Coatings

Chromium

UF: Cr

BT: Metals

NT: Chromium alloys

Chromium alloys

BT: Chromium

Chromosome mapping

BT: Biological cells

Chromosomes

USE: Biological cells

Chronobiology

UF: Biological clocks
BT: Biological processes

CIM

USE: Common Information

Model (computing) AND

Common Information

Model (electricity) AND

Computer integrated

manufacturing

Cinema

USE: Motion pictures

Cinematography

BT: Photography RT: Motion pictures

Object tracking

Ciphers

UF: Cyphers

BT: Cryptography
RT: Algorithms

Codes Encryption

Circadian rhythm

UF: Circadian rhythms

BT: Biological processes

Circadian rhythms

USE: Circadian rhythm



Circuit analysis

BT: Circuits

RT: Frequency-domain

analysis

SPICE

Sensitivity

Tolerance analysis

Yield estimation Circuit analysis

computing

NT:

Coupled mode analysis

Nonlinear network

analysis

Circuit analysis computing

BT: Circuit analysis

Circuit boards

USE: Printed circuits

Circuit breakers

BT: Switchgear RT: Interrupters

Power system

protection

Protection

Switching circuits

Circuit CAD

USE: Design automation

Circuit complexity

USE: Complexity theory

Circuit design

USE: Circuit synthesis

Circuit design (CAD)

USE: Design automation

Circuit design (logic)

USE:

Logic design

Circuit faults

BT: Circuits

NT: Electrical fault

detection

Circuit feedback

USE: Feedback circuits

Circuit Layout CAD

USE: Design automation Circuit noise

BT: Circuits

RT: Transmission lines

NT: Thermal noise

Circuit optimisation

USE: Circuit optimization

Circuit optimization

UF: Circuit optimisation

Circuit performance

Circuit tuning

BT: Optimization methods RT: Tolerance analysis

USE: Circuit optimization

Circuit simulation

Circuit performance

BT: Circuits

RT: Design automation

Semiconductor process

modeling

Circuit stability

BT: Stability RT: Grounding

Jitter

Circuit subsystems

BT: Solid state circuits RT: Circuits and systems

Circuit synthesis

UF: Circuit design

BT: Circuits

RT: Control system

synthesis

Logic design

Solid state circuit

design

NT: High level synthesis

Integrated circuit

synthesis

Circuit testing

BT: Testing

Built-in self-test RT:

NT: Integrated circuit

measurements

Circuit theory

Solid state circuits BT:



Linear circuits Circuit tolerance analysis Logic arrays USE: Tolerance analysis

Logic circuits MOSFET circuits Circuit topology Magnetic circuits BT: Digital circuits Microprocessors

> Graph theory Microwave circuits Tree graphs Millimeter wave

> > circuits

Circuit tuning Millimeter wave

USE: Circuit optimization integrated circuits

Monolithic integrated

circuits Circuits

RT:

BT: Circuits and systems Multiplying circuits Nonlinear circuits RT: Flow graphs Impedance matching Passive circuits

Oscillators Phase shifters Phase transformers Power dissipation Poles and zeros Power integrated

Scattering parameters circuits

NT: Active circuits Printed circuits

Adders Programmable circuits Analog circuits Programmable logic

Application specific arrays

integrated circuits Programmable logic devices

Asynchronous circuits Bipolar transistor Pulse circuits

circuits RLC circuits

> Bistable circuits Radiation detector

circuits Bridge circuits

Charge pumps Rail to rail operation

Circuit analysis Rectifiers

Circuit faults Sampled data circuits Circuit noise Sequential circuits Circuit simulation Silicon-on-insulator Circuit synthesis Submillimeter wave

Coprocessors circuits

Counting circuits Summing circuits Switched circuits Coupling circuits Digital circuits Switching circuits

Thick film circuits Digital signal Thin film circuits

Distributed parameter circuits

Large scale

Thyristor circuits Time varying circuits Driver circuits Trigger circuits

Electronic circuits UHF circuits Equivalent circuits UHF integrated

Feedback circuits

Hybrid integrated Ultra large scale

circuits integration

> Integrated circuits VHF circuits Isolators Very large scale

integration Voltage multipliers



processors

integration

Wafer scale UF: Geotechnical

RT:

NT:

USE:

USE:

UF:

BT: RT:

BT:

BT:

RT:

BT:

RT:

NT:

Client server model

USE:

Client server systems

USE:

USE:

Client-server model

analysis

Cleaning

Classification algorithms

Classification tree analysis

Cladistics

Clamping

Clamps

integration structures

> BT: Engineering - general

> > Construction

Power systems

Energy resources

Environmental factors

Road transportation

Transmission lines

Railway engineering

Production equipment

Structural engineering

Bridges

Roads

Phylogeny

Clamps

Clamping

Machining

Algorithms

Refining

Purification

Surface cleaning

Client-server systems

Client-server systems

Client-server systems

Decision trees

Formal concept

Materials handling Air cleaners

Machine tools

Buildings

Circuits and systems

RT: Circuit subsystems Formal verification Solid state circuits

NT: Circuits Contacts Filtering

Integrated circuit

technology

Logic devices Oscillators

Single electron

devices

Tunable circuits and

devices

Circular polarisation

USE: Polarization

Circular polarization

USE: Polarization

Circulators

BT: Ferrite devices

Microwave technology

RT: Electromagnetic

coupling

Waveguide components

Circulatory system

UF: Vascular system

BT: Anatomy

Citation analysis

UF: Citation studies BT: Bibliometrics

Citation studies

USE: Citation analysis

Cities and towns

USE: Urban areas

City

USE: Urban areas

City planning

USE: Urban planning

Client-server systems

Civil engineering

UF: Client server model Client server systems

Client-server model Watches

Clientserver systems Distributed computing

BT: Software architecture USE:

RT: Dew computing

Unified modeling

language

NT: Middleware

Servers

Clientserver systems

USE: Client-server systems

Climate

USE: Meteorology

Climbing robots

BT: Mobile robots

Clinical analysis

USE: Clinical diagnosis

Clinical diagnosis

UF: Clinical analysis

Clinical engineering Clinical information

Medical services BT: RT: Point of care

NT: Clinical neuroscience

Clinical engineering

USE: Clinical diagnosis

Clinical equipment

USF: Biomedical equipment

Clinical information

USE: Clinical diagnosis

Clinical neuroscience

UF: Cloud security BT: Clinical diagnosis

Neuroscience

Clinical trials

Medical treatment BT:

Clock synchronization

USE: Synchronization

Clocks

BT: Time measurement

RT: Timing Atomic clocks NT:

CLone

Cloning

Clones

USF: Cloning

Cloning

UF: Cell clones

> Clone Clones

Human cloning

Molecular clones Reproductive cloning Biomedical engineering

RT: DNA

Closed form solution

BT:

USE: Closed-form solutions

Closed loop systems

Closed-loop systems UF: BT: Control systems RT: H infinity control

Closed-form expression

Closed-form solutions USE:

Closed-form solutions

Closed form solution UF:

Closed-form expression

BT: Mathematics

Closed-loop systems

USE: Closed loop systems

Clothing

UF: Garments

BT: Consumer products RT: Clothing industry

> Fabrics Wool

NT: Footwear

Protective clothing

Clothing industry

UF: Garment industry BT: Manufacturing

industries

Clothing RT:

Footwear

Footwear industry Protective clothing



Textile industry Network of

Clotting Workstation clusters

USE: Coagulation BT: Distributed computing RT: Distributed processing

workstations

Message systems

Cloud computing

BT: Internet Parallel processing
RT: Big Data applications Peer-to-peer computing

Dew computing Resource management
Edge computing Workstations

Internet of Things

Network function Clustering algorithms
virtualization BT: Algorithms

virtualization BI: Algorithms
Service computing

Software as a service Clustering methods

Software defined BT: Pattern recognition

networking NT: Pattern clustering Web services

NT: Cloud computing Clutter security BT: Interference

Cloud gaming RT: Echo interference Elastic computing

Platform as a service CMM

USE: Coordinate measuring

Cloud computing security machines

UF: Cloud security

BT: Cloud computing **CMOS analog integrated circuits**Computer security UF: Analog CMOS integrated

Computer security UF: Analog CMOS integrated circuits

Cloud gaming Analogue CMOS

UF: Gaming on demand integrated circuits
BT: Cloud computing CMOS analogue

Games integrated circuits

RT: Online services BT: Analog integrated circuits

Cloud security CMOS integrated

USE: Clinical neuroscience circuits

Cloud computing CMOS analogue integrated circuits

security USE: CMOS analog integrated circuits

Cloud-dew architecture
USE: Dew computing CMOS digital integrated circuits

BT: CMOS integrated

Cloud-dew computing circuits
USE: Dew computing NT: CMOS logic circuits

BT: Terrestrial atmosphere BT: Image sensors

Cluster computing CMOS integrated circuits
UF: Apache hadoop BT: Integrated circuits

Apache spark RT: CMOSFETs

CMOS image sensors



AND

Clouds

NT: CMOS analog integrated CMOS integrated RT:

circuits circuits CMOS digital Semiconductor-

integrated circuits insulator interfaces

> CMOS logic circuits CMOSFET logic devices NT:

CMOS memory circuits

Transconductors CNC

USE: Computer numerical

CMOS logic circuits control CMOS digital BT:

integrated circuits **CNFETs**

CMOS integrated USE: **CNTFETS**

circuits RT: Application specific **CNTFETS**

integrated circuits UF: **CNFETS**

Carbon nanotube FETs Power dissipation Carbon nanotube field

CMOS memory circuits effect transistors

Carbon nanotube field-UF: CMOS memory integrated

circuits effect transistors

> BT: CMOS integrated Carbon-nanotube FETs Carbon-nanotube field

effect transistors RT: Memory

> SRAM chips Carbon-nanotube field-

effect transistors

Field effect CMOS memory integrated circuits BT:

> CMOS memory circuits transistors

RT: Carbon nanotubes

CMOS process Ouantum capacitance

Co-channel interference

CMOS technology USE: Interchannel

Integrated circuit interference BT:

technology RT: MOSFET Coagulate

Microcontrollers USE: Coagulation

Microprocessors

CMOS technology

Coagulation Transistors Blood clots NT: CMOS process UF:

Silicon on sapphire Clotting

Coagulate

Biological processes **CMOSFET circuits** BT:

MOSFET circuits BT: Blood

RT: Rail to rail operation RT: Blood platelets

CMOSFET logic devices Coal

> Fuels BT: CMOSFETs BT: RT: **MISFETs** RT: Coal gas MOSFET

Coal mining P-i-n diodes

Coal gas

CMOSFETS UF: Coal gasification BT: MOSFET

Illumination gas

Town gas

circuits

BT:

BT: Gases NT: Cobalt alloys

RT: Coal

Fuels Cobalt alloys

BT: Cobalt Coal gasification RT: Alloying

> USE: Coal gas Cochannel interference

Coal industry Interchannel USE:

> BT: Industries interference

RT: Coal mining

Cochlear implants Coal mining BT:

Implants BT: Mining industry RT: Ear

RT: Coal

Coal industry Code division multiaccess USE: Multiaccess

Coal tar communication

USE: Fuel processing industries Code division multiple access

USE: Multiaccess

Coatings communication

Materials processing BT:

Chemical vapor Code division multiplexed RT: Code division deposition USE:

Chrome plating multiplexing

Corrosion

Films Code division multiplexing Magnetic multilayers UF: Code division

> multiplexed Painting

Spraying

Sputtering Optical code division NT:

Dip coating multiplexing

Epitaxial layers Communication BT: Glazes switching

Lacquers Multiplexing RT: Codes

Paints Powders Land mobile radio

cellular systems

Coaxial cables Multicarrier code

BT: Cables division multiple access

Electromagnetic Optical fiber

applications waveguides

> Transmission lines Software radio NT: Coaxial components Spread spectrum

Hybrid fiber coaxial

communication cables

Code refractoring

Coaxial components UF: Refractoring BT: Coaxial cables BT: Encoding

RT: Information theory Cobalt Software engineering

BT: Metals

RT: Alloying Code-division multiple access Magnets



USE: Multiaccess

communication

Cogen

power

USE: Cogeneration

Code-division multiple-access

USE: Multiaccess

Cogeneration UF:

communication

CHP Cogen

Codecs

NT:

UF: Coder-decoders Communication BT:

BT:

Heating systems

RT:

Power generation Industrial power

Combined heat and

equipment

RT: Decoding

Encoding

Video codecs

Speech codecs

systems

Trigeneration Waste heat

Coder-decoders

USE: Codecs Cogging

Forging

Codes

UF: Parity check

Information theory BT:

RT: Ciphers

Code division

multiplexing

Cryptography Decoding

Encoding

Error correction

Redundancy Sequences

Vector quantization

NT: Binary codes

Convolutional codes

Cyclic redundancy

check codes

Error correction codes

Parity check codes

Product codes Space-time codes

Zero correlation zone

USE:

Cognition

UF: Reasoning

BT: Behavioral sciences

RT: Brain

Cognitive systems

Psychology

NT: Activity recognition

> Cognitive neuroscience Cognitive processes

Self-aware

Cognitive computing

USE: Cognitive systems

Cognitive informatics

BT: Cybernetics

Informatics

RT: Brain

Cognitive neuroscience

BT: Cognition

Neuroscience

Coding

Cognitive processes USE: Encoding

BT: Cognition

Coding theory

USE: Information theory

Magnetic forces

Cognitive radar

BT: Adaptive systems

Radar

Coercive force

BT:

UF: Coercivity Cognitive radio

UF: Cognitive radio

network

Coercivity BT: Wireless communication

Coercive force USE:



Cognitive radio network Motors

JSE: Cognitive radio Rotating machines
Transformers

Windings

Cooling

Professional

Cognitive robotics

BT: Robots NT: Superconducting coils

RT: Autonomous robots

Cognitive science

UF: Mental models
BT: Cybernetics

RT: Brain

Computational and

Computational and

artificial intelligence

Human factors

Inference mechanisms

Logic Psychology Uncertainty

NT: Problem-solving

Cognitive systems

UF: Cognitive computing

Reasoning

BT: Artificial

intelligence

Learning systems

RT: Adaptive control

Affective computing

Automata

Cognition Cybernetics

Machine learning

Coherence

UF: Coherent detection

BT: Electromagnetic

scattering

RT: Interference

Coherent detection

USE: Coherence

Coilguns

BT: Electromagnetic

launching

Coils

UF: Electric coils

BT: Electronic components

RT: Electromagnets

Generators

Inductance

Inductors

Magnetic circuits

Cold plates BT:

Collaboration

communication

BT:

RT: Collective

intelligence

Cyber-physical systems
Information sharing
Interoperability

Wikipedia

NT: Collaborative tools

Discussion forums

Teamwork

Virtual groups

Collaborative intelligence

BT: Collaborative work

Multi-agent systems

RT: Distributed management

Intelligent systems

Collaborative learning

USE: Collaborative work

Collaborative networking

USE: Collaborative work

Collaborative problem solving

USE: Collaborative work

Collaborative software

BT: Collaborative tools

RT: Communication system

software

Collaborative tools

BT: Collaboration

NT: Call conference

Collaborative software

Videoconferences

Collaborative work

UF: Collaborative learning

Collaborative

networking



Collaborative problem Linear accelerators Single photon emission

solving Cooperative work

computed tomography

Groupware

Distributed computing

RT: Communication

effectiveness

BT:

Multimedia computing

Professional

communication

NT: Collaborative

intelligence

Cooperative

communication

Crowdsourcing

Social computing

Collective bargaining

Industrial relations USE:

Collective intelligence

Decision making BT:

Intelligent systems

Collaboration RT:

Crowdsourcing Sociology

Colleges

Educational USE:

institutions

Colliding beam accelerators

BT: Colliding beam devices

Particle accelerators

RT: Klystrons

Particle beams **Synchrotrons**

Colliding beam devices

BT: Nuclear and plasma

sciences

RT: Particle accelerators

NT: Colliding beam

accelerators

Muon colliders

Collimators

UF: Multileaf collimators BT: Optical devices

RT: Biomedical

applications of radiation

Biomedical equipment

Dosimetry

Gamma-rays

X-ray applications

X-rays

Collision avoidance

UF: Collision detection

Obstacle avoidance

Sense and avoid

BT: Motion control

RT: Advanced driver

assistance systems

Block signalling

Lane departure warning

systems

Collision detection

Collision avoidance USE:

Collision mitigation

BT: Motion control

Collision theory

USE: Kinetic theory

Colloidal crystals

Crystals BT:

RT: Crystallizers

Colloidal lithography

BT: Lithography

Nanopatterning

RT: Biomedical engineering

> Nanobioscience Nanotopography

Polymers

Surface treatment Tissue engineering

Colloidal nanocrystals

BT: Nanocrystals

Optical materials

BT:

Digestive system NT: Colonic polyps

Colonic polyps

BT: Colon

Tumors

Colonography

BT: Medical diagnosis



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Colon

USE: Agricultural machinery

Colonoscopy

BT: Medical tests

NT: Virtual colonoscopy USE: Cogeneration

Color

BT: Optics 0

Electrochromism RT:

Imaging

Photochromism

NT: Pigmentation

Color blindness

USE: Vision defects

Color center lasers

Solid lasers USF:

Color TV

BT: TV

Colored noise

Coloured noise UF:

BT: Noise

Colossal magnetoresistance

Magnetoresistance

Coloured noise

Colored noise USF:

Combinational circuits

UF: Combinational logic

circuits

BT: Logic circuits

Combinational logic circuits

Combinational circuits USF:

Combinatorial mathematics

BT: Mathematics NT: Graph theory

Steiner trees

Combinatorial software testing

Combinatorial testing USF:

Combinatorial testing

Combinatorial software UF:

testing

BT: Software testing

RT: Design for testability

Combine harvesters

Combined heat and power

Combined heat, cooling and power

Trigeneration USF:

Combined heat, cooling, and power

USE: Trigeneration

Combined source channel coding

Combined source-USE:

channel coding

Combined source-channel coding

UF: Combined source

channel coding

BT: Channel coding

Combustion

Oxidation BT: RT: Exhaust gases Plasma-assisted NT:

combustion

Command and control systems

UF: Military command and

control

Aerospace and BT:

electronic systems

RT: Military communication

Command languages

BT: Computer languages

Commerce

USE: Business

Commercial law

BT: Law

RT: Bankruptcy

Business

Consumer products Consumer protection

Economics

Commercial power systems

Industrial power USE:

systems

Commercialization

BT: Engineering management



Common Information Model (computing)

UF:

BT: Analytical models

Information management

RT: DMTF Standards

Information exchange

information

Gaussian channels Multipath channels Multiuser channels

Partial response

Channel models

Channel state

Channel spacing

Common Information Model (electricity)

UF: CIM

BT: Information management

Power transmission

RT: IEC Standards

> Information exchange Interoperability Open systems

Unified modeling

language

Communicable disease

USE: Infectious diseases

Communication aids

Professional BT:

communication

Assistive technology RT:

Auditory displays

Communication cables

UF: Underground

communication cables

BT: Cables

RT: Fault location

Wire

Communication cables (optical)

Optical fiber cables

Communication channels

Air interface UF:

Telecom channels

Telecommunication

channels

BT: Information theory RT: Channel coding

> Communication systems IEEE 802.11e Standard IEEE 802.11n Standard

Multicarrier code

division multiple access

OFDM

Synapses

NT: Channel allocation

Channel capacity

Channel estimation

channels

Throughput

Time-varying channels

Communication complexity

USE: Complexity theory

Communication effectiveness

BT: Professional

communication

Collaborative work RT:

Cooperative

communication

Communication engineering education

Engineering education BT:

Communication equipment

BT: Communications

technology

RT: Bluetooth

> Communication systems Multiplexing equipment

Satellite ground

stations

NT: Auditory displays

> Codecs Modems

On board unit

Optical communication

equipment

Radio communication

equipment

Receivers Repeaters Speech codecs TV equipment

Telephone equipment

Transceivers **Transmitters** Transponders Video codecs Video equipment

Vocoders

Communication industry



BT: Industries NT: Code division

RT: Communication systems multiplexing

Electronic switching

Communication network reliability

USE: Telecommunication

network reliability

حادث فالماط في الم

Communication networks

UF: PSTN

Public switched

telephone network

BT: Communication systems
RT: Network security
NT: Central office

Cyberspace Industrial

communication

Radio access

technologies

Relay networks

(telecommunications)

Communication protocols

USE: Protocols

Communication satellites

USE: Satellite

communication

Communication standards

UF: Telecommunication

standards

BT: Standards categories

RT: Communication systems

FDDI IEC

ISO

ISO Standards

Radio spectrum

management

NT: Long Term Evolution

Near field

communication

SONET

Synchronous digital

hierarchy

Universal Serial Bus

Communication switching

BT: Communications

technology

RT: IEEE 802.3 Standard

Switching systems

Multiprotocol label

switching

systems

Packet switching

Frame relay

Handover

Communication symbols

BT: Professional

communication

RT: Pragmatics Semiotics

Syntactics NT: Semiotics

Communication system control

BT: Communication systems

RT: Control systems
NT: Telecommunication

control

Communication system operations and

management

BT: Management

RT: Communication system

signaling

Communication systems

Communication system privacy

USE: Communication system

security

Communication system security

UF: Communication system

privacy

Telecommunication

security

Wireless security
BT: Communication systems

RT: Access control

Cryptography

Data security

Electronic warfare

Privacy

NT: Denial-of-service

attack

Radio communication

countermeasures

Communication system signaling

UF: Signaling systems



Telecom signaling Communication system Telecom system security signaling Communication system Telecommunication signaling signalling Communication system Communication systems BT: software RT: Bit rate Communication system traffic Communication system operations and management Communication system Handover traffic control NT: Received signal Computer networks strength indicator Cross layer design Data buses Communication system software Data communication Communication systems BT: Device-to-device RT: Collaborative software communication NT: Streaming media Digital communication FDDI Communication system traffic Facsimile UF: Mice flows IP networks BT: Communication systems **ISDN** Telecommunication Indoor communication RT: traffic Internet Local area networks Communication system traffic control Low latency BT: Communication systems communication MIMO communication **Communication** systems MISO communication Machine-to-machine BT: Communications technology communications Antennas and RT: Magnetic communication propagation Metropolitan area Communication channels networks Communication Microwave equipment communication Communication industry Military communication Communication Mobile communication Molecular standards Communication system communication operations and management Multiaccess Digital systems communication Huffman coding Multicast Information theory communication Multimedia Office automation Telecontrol equipment communication Traffic control **ARPANET** NT: Nanocommunication Biomedical (telecommunication) communication Narrowband Broadband Optical fiber communication communication Communication networks Personal communication Communication system networks



control

Protocols

Quality of experience Image communication Quality of service Information and

Quantum communication communication technology

Radio communication Message systems Regional area networks Modulation Routing Multiplexing

Network topology SIMO communication SISO communication Presence network

Satellite agents communication

TV

Satellite ground UHF technology stations Ultra wideband

> Spatial diversity technology Submillimeter wave VHF devices

communication

Subscriber loops Commutation Switching systems RT. Motors

Synchronous digital hierarchy Commutators

Telecommunications BT: DC motors

Teleconferencing

Telegraphy Compact disk Telephony USF: CD recording

Teleprinting

Teletext Compaction

Waste reduction Token networks BT: UHF communication RT: Materials handling Underwater

Companies communication

Vehicle-to-everything BT: Organizations

Videophone systems Company reports Videotex

Visual communication BT: Publishing Wide area networks RT: Competitive

Widehand intelligence

Wireless communication Management

Wireless mesh networks Management accounting

networks Compass

Wireless sensor

UF: Compasses Communications computing BT: Instruments

Telecommunication Magnetic fields USE: RT:

computing Navigation

Communications technology Compasses

Antennas and RT: USE: Compass

propagation NT: Communication Competitive intelligence

BT: Information management equipment

Communication RT: Business intelligence switching

Company reports Communication systems Decision support Couplers systems

High-speed electronics Knowledge management



Market research USE: Component

architectures

Compilers (program)

USE: Program processors Components, packaging, and

Complex networks

Network topology BT: RT: System dynamics

System of systems

Complex systems

BT: Systems engineering

and theory

RT: Biologically inspired

engineering

Configuration

management

Large-scale systems

Complexity

USE: Complexity theory

Complexity constrained detection

Maximum likelihood USE:

detection

Complexity theory

UF: Circuit complexity

Communication

complexity

Complexity

BT: Chaos

RT: Computation theory

Econophysics

NT: Computational

complexity

NP-complete problem

NP-hard problem

Compliance testing

USE: Conformance testing

Compliant mechanisms

USE: Manufacturing

processes

Component architectures

UF: Component-based

systems

Components, packaging,

and manufacturing technology

Component-based systems

manufacturing technology

Component NT:

architectures

Electronic components

Electronic equipment

manufacture

Electronics packaging

Environmentally

friendly manufacturing techniques

Integrated circuit

manufacture

Integrated circuit

packaging

Semiconductor device

packaging

Thermal management of

electronics

Composite materials

BT: Materials NT: Cermet

Composite media

USE: Nonhomogeneous media

Composite systems

USE: Interconnected systems

Compounds

BT: Materials, elements,

and compounds

NT: Bismuth compounds

> Gallium compounds Indium compounds Inorganic compounds Lead compounds Organic compounds Silicon compounds

Compressed sensing

UF: Compressive sensing

> BT: Sampling methods

Compression algorithms

BT: Algorithms

Compression molding

UF: Compression moulding

BT: Production

RT: Injection molding



RT: **Bioinformatics**

Biology

Compression moulding Compression molding Computational USE:

Compressive sensing

Synthetic biology

Compressed sensing USE:

Computational NT:

biochemistry Compressive stress

Computational

BT: Stress biophysics

Compressors

neuroscience

Computational systems biology

Computational biophysics

BT: Electric machines RT:

Air conditioning Pumps

Computational biology BT: RT: Bioinformatics

Turbomachinery

Turbines

Biophysics

Computation complexity

USE: Computational

complexity

Computational complexity

UF: Computation complexity BT: Complexity theory

Computation theory

Algorithmic efficiency RT:

Time complexity NT:

Computation theory

Computational BT:

intelligence

RT: Complexity theory

Computational NT:

complexity

Computational cultural dynamics

Computational cultural USE:

modeling

Concurrent computing

Greedy algorithms

Support vector

machines

Computational cultural modeling

Computational cultural UF:

dynamics

Computational social

and behavioral modeling

BT: Computational modeling

intelligence

Computational and artificial

RT: Cognitive science

Digital systems

Artificial NT:

intelligence

Computational efficiency BT:

Mathematics

Autonomous mental

Computational electrodynamics Computational

USE:

Computational electromagnetics

intelligence

development

Logic Computational electromagnetics

Machine intelligence UF: Computational

Neural networks electrodynamics

> BT: Electromagnetic

Computational biochemistry analysis

> BT: Computational biology RT: Computer applications

> RT: Biochemistry Electromagnetic field

> > **Bioinformatics** theory

> > > Electromagnetic fields

Finite difference Computational biology

> BT: Engineering in methods

medicine and biology Monte Carlo methods



Stochastic processes Neuroscience

RT: Computational biology

Tomography

Computational fluid dynamics Nervous system

UF: CFD

BT:

BT: Fluid dynamics Computational science

RT: Isosurfaces USE: Scientific computing

Computational geometry Computational social and behavioral

Geometry modeling

RT: Computer graphics USE: Computational cultural

Layered manufacturing modeling

Surface fitting

NT: Fractals Computational systems biology

BT: Computational biology

Computational intelligence

BT: Computational and Computed microtomography

artificial intelligence USE: Computed tomography

RT: Artificial

intelligence Computed tomography
Synapses UF: CT scan

NT: Computation theory Computed

Evolutionary microtomography

computation Computerised axial

Fuzzy systems tomography
Genetic algorithms Computerised

tomography

Computational life sciences Computerized axial

USE: Computational modeling tomography

AND Computerized tomography

Life sciences tomography BT:

Computational linguistics RT: Biomedical BT: Systems, man, and applications of radiation

bi. Systems, man, and applications of radiation

cybernetics NT: Single photon emission

RT: Context modeling computed tomography
NT: Sentiment analysis

Computational modeling BT: Computer

ional modeling
UF: Computational life
BT: Computer applications
RT: Digital simulation

sciences Geophysics computing
Life sciences Independent component

ZINDO Simulation BT: Modeling

RT: Neuroinformatics Computer aided design

Time complexity USE: Design automation

Time complexity 031. Design automation

NT: Agent-based modeling
Computational cultural **Computer aided diagnosis**

modeling UF: Computer assisted

diagnosis

Computational neuroscience diagnosis

Computer-aided

UF: Theoretical diagnosis

neuroscience Computer-assisted

BT: Computer science diagnosis



BT: Medical diagnosis Computers and BT:

information processing

Biomedical computing Computer aided engineering RT:

Computational

BT: Computer applications electromagnetics

Computerized

Computer aided instruction

CAE

UF:

NT:

UF: Edge computing

Electrical engineering

Learning management

learning computing

Computer aided

Computer-aided Flexible manufacturing

monitoring

instruction systems

> Information technology Computer-aided

learning

Teaching machines systems BT: Computer applications

Middleware Educational technology Mobile agents RT: Authoring systems Software agents

Continuing education Software packages

Courseware NT: Application

Education courses virtualization

Big Data applications Electronic learning

instruction

Blockchain Matlab Bot (Internet) Learning management Computer aided

systems analysis

Computer aided Learning Computer aided

USE: Computer aided engineering

instruction Computer aided

Computer aided manufacturing Computer generated

UF: music

> BT: Industrial electronics Computer integrated

> > Manufacturing manufacturing

Control engineering automation

Computer integrated computing

manufacturing Green computing Integrated High energy physics

manufacturing systems instrumentation computing

CADCAM NT: Knowledge management

Silicon compiler Mathematics computing Medical information

Computer aided software engineering systems

BT: Software engineering Military computing

RT: Programming Mobile applications environments Physics computing

Software tools Power engineering

computing Computer animation

Power system analysis USE: Animation computing

Publishing

Computer applications Scientific computing

UF: Volunteer computing Telecommunication

computing



Virtual enterprises

Virtual manufacturing

Web sites World Wide Web

Computer architecture

UF: Architecture

(computer)

BT: Computers and

information processing

RT: Microprogramming

NT: Accelerator

architectures

Data structures

Dynamic voltage

scaling

Memory architecture

Memory management

Multiprocessor

interconnection

Parallel architectures

Reconfigurable

architectures

Computer arithmetic

USE: Digital arithmetic

Computer assisted diagnosis

USE: Computer aided

diagnosis

Computer automated measurement and

control

USE: CAMAC

Computer buffers

BT: Buffer storage

RT: Cache storage

Computer bugs

UF: Bugs

BT: Computer crashes

Computer buses

USE: Data buses

Computer control

USE: Digital control

Computer crashes

BT: Computer errors

NT: Buffer overflows

Computer bugs

Computer crime

UF: Cyber crime

Cyber-crime Cybercrime DDoS attack DoS attack

Hacking

Piracy (software)

Software piracy BT: Computer security

RT: Botnet

Computer viruses Computer worms Control system

security

Data security
Digital rights

management

Distributed denial-of-

service attack

Privacy-invasive

software

Unsolicited electronic

mail

NT: Counterfeiting

Cyber terrorism Cyberattack SQL injection

Computer displays

BT: Displays

RT: Computer graphics

Computer peripherals

Workstations Mesh generation

Touch sensitive

screens

Computer documentation

NT:

USE: Documentation

Computer engineering education

USE: Computer science

education

Computer errors

BT: Computer performance

NT: Computer crashes

Computer generated music

UF: CGM

Computer music

BT: Computer applications

Music



Computer aided

Computer graphics

BT: Graphics RT: Animation

Art

Character generation Computational geometry Computer displays Computer peripherals Curve fitting

Fractals

Graphics processing

units

Image generation Mesh generation

Modeling

Multimedia computing

Ray tracing Simulation Surface fitting Visual effects Workstations

NT: Data visualization

Rendering (computer

graphics)

Shadow mapping

Sprites (computer)

Video sequences

Virtual reality Visualization

X3D

Computer hacking

UF: Hacker

Hacks

BT: Computer security

RT: Footprinting

Computer hardware

USE: Hardware

Computer industry

UF: DP industry BT: Industries

RT: Computers and

information processing

Computer integrated manufacturing

UF:

BT: Computer applications

Manufacturing

automation

RT: Agile manufacturing

CADCAM

manufacturing

Virtual manufacturing

Computer interfaces

Docking stations UF: BT: Computers and

information processing

RT: Computer peripherals

Data buses

Interface management

User interfaces

NT: Application

programming interfaces

Browsers Computer ports Field buses Firewire

Haptic interfaces Hypertext systems Input devices Interface phenomena Interface states

Musical instrument

digital interfaces

System buses

Computer languages

UF: Programming languages BT: Formal languages RT: Data structures

Natural languages

Software

NT: Architecture

description languages

C languages Command languages Database languages Hardware design

languages

languages

High level languages Markup languages

Python

Specification

Style sheet languages

Systems Modeling

Language

Visual BASIC

WS-BPEL

Computer mediated communication

UF: Computer-mediated

communication



BT: Social network Internetworking

services LAN interconnection

Middleware Multiprocessing

Cyberspace

Diffserv networks

Domain Name System

Computer music

USE: Computer generated

systems

music AND

Multiprocessor

Music interconnection

Open systems

Computer network management

BT: Computer networks

Radial basis function

RT: Bandwidth networks

Computer security TCPIP
Data security Web sites

Software defined NT: Ad hoc networks Computer network

networking

NT:

Traffic control

Computer network Content distribution

management

reliability

base

networks

Disruption tolerant

networking

Management information

Ethernet

Middleboxes Google

Network address Heterogeneous networks translation IP networks

IP networks
Network synthesis Internet

Computer network reliability

Intserv networks
Metropolitan area

BT: Computer network networks

management Multiprocessor

Network topology interconnection networks

Network function

Computer networks virtualization

UF: Mice flows Network security
BT: Communication systems Network servers

Communication systems Network servers
Computers and Next generation

information processing networking

RT: Bit rate Overlay networks

Computer ports Peer-to-peer computing Cyber terrorism Software defined

Cyber warfare networking

Data communication Storage area networks

Delay estimation Token networks

Distributed computing Unicast

File servers Virtual private

Firewalls (computing) networks

Frame relay Wide area networks

Hypercubes Wireless access points

IEEE 802.11n Standard UF: CNC

IEEE 802.16 Standard NC machines
IEEE 802.3 Standard BT: Manufacturing

IPTV automation



RT: Digital control

Industrial control Computer science education

> UF: Computer engineering

Computer operating systems education

> USE: Operating systems BT: Engineering education

Computer security Computer performance

> Computers and BT: Computers and BT:

information processing information processing

NT: Computer errors

> Hardware acceleration Performance loss Blacklisting Blockchain

Computer peripherals

UF: Computer terminals management

Peripheral equipment

BT: Computers and

information processing

RT: Computer displays

Computer graphics Computer interfaces

Device drivers

Firewire

Flash memories

User interfaces

NT: Disk drives

Keyboards Modems

Printers

Computer pipeline processing

USE: Pipeline processing

Computer ports

BT: Computer interfaces RT: Computer networks

Hardware

Information exchange

Computer programming profession

USE: Programming profession

Computer science

BT: Computers and

information processing

RT: Function approximation

> Logic Software

NT: Computational

neuroscience

Formal languages

Network theory

(graphs)

Security

RT: Access control

Computer network

Cryptography Data protection Data security Eavesdropping Footprinting Operating systems

Privacy

Privacy-invasive

software

Trust management NT: Application security

> Authentication Cloud computing

security

Computer crime

Computer hacking Countermeasures

(computer)

Cross-site scripting

Cyber espionage Cyber warfare Cyberattack Data integrity Denial-of-service

attack

systems

Firewalls (computing)

Honey pot (computing) Identity management

Internet security

Mobile security

Password

Penetration testing

Permission Phishing

Proof of work

Computer simulation

BT: Simulation Programming



RT: **EMTP** USE: Computer aided

instruction

Computer software

USE: Software Computer-assisted diagnosis

USE: Computer aided

Computer terminals diagnosis

Computer peripherals USF:

Computer-mediated communication Computer viruses

USE: Computer mediated

UF: Viruses (computer) communication BT: Malware

RT: Anti-virus software Computerised axial tomography

> Computed tomography Computer crime Computer worms

Computerised instrumentation

Computer vision USE: Computerized

BT: Robots instrumentation RT: Activity recognition

Distributed vision Computerised monitoring

networks USE: Computerized

Gaze tracking monitoring Image capture

Indoor navigation Computerised tomography Pattern recognition Computed tomography USE:

Pose estimation NT: Computerized axial tomography Active appearance

model USE: Computed tomography

Blob detection

Computerized instrumentation Corner detection Face detection UF: Computerised

Feature detection instrumentation

Interest point RT. Instrumentation and

detection measurement Smart cameras

Visual odometry Computerized monitoring

> UF: Computerised

Computer worms monitoring

> UF: Worms (computer) Monitoring BT:

Malware Computer applications BT: RT: RT:

Computer crime

Computer viruses Computerized tomography USE:

Computed tomography Computer-aided design

USE: Design automation Computers

Computing technology UF:

Computer-aided diagnosis Computers and BT:

information processing USE: Computer aided

diagnosis RT: Cyberspace

NT: Analog computers

Computer-aided instruction Calculators

USE: Computer aided Digital computers instruction

Microcomputers Parallel machines

Computer-aided Learning Supercomputers

Tablet computers Software engineering Wearable computers System recovery

Time sharing computer

Computers and information processing

RT: Associative processing

> Biology computing Computer industry Data processing Electronic learning

Home computing Information systems Logic circuits

Multimedia computing Multiprocessing

systems

Approximate computing NT:

> Computer applications Computer architecture Computer interfaces Computer networks Computer performance Computer peripherals Computer science Computer security

Computers

Concurrency control

DNA computing Data systems Database machines Digital systems

Distributed computing

File servers Hardware

High performance

computing

Image processing

Memory

Mobile computing Molecular computing

Multitasking Open systems Optical computing Parallel processing Pattern recognition Pervasive computing

Petascale computing Platform

virtualization

Probabilistic

computing

Probability computing

Ouantum computing Real-time systems

Software

systems

Virtual machine

monitors

Computing technology

USE: Computers

Concatenated codes

BT: Programming

Concrete

BT: Building materials Pressure vessels RT:

Concurrency

USE: Concurrent computing

Concurrency control

Computers and BT:

information processing

Distributed computing RT: Distributed databases

Multiprocessing

systems

Parallel processing

Protocols

Synchronization

NT: Processor scheduling

Concurrent computing

UF: Concurrency

BT: Computation theory RT: Granular computing Model checking

Concurrent engineering

BT: Engineering - general RT: Product design Project management Quality function

deployment

Research and

development management

Time to market

Virtual manufacturing

Condition monitoring

BT: Preventive maintenance

Conditions of employment

Employee welfare USE:



Power transmission

Conducting bodies lines

USE: Conductors Proximity effects

Skin effect Thermal noise

BT: Materials Three-phase electric

> Conductivity power Conductors

Wire Semiconductor Wireless power

materials transmission

> NT: Electrolytes Wiring

Conductive adhesives Conference management

BT: Adhesives BT: Management

Conductive films Conferences

Anisotropic conductive

BT: Films UF: Meetings (technical)

> Symposia Workshops BT: Meetings

Conductivity

Conducting materials

RT:

NT:

films

theory

Configuration management UF: Electric conductivity

> Electrical BT: Systems engineering

conductivity and theory

> Resistivity Complex systems RT:

Maintenance BT: Electric variables RT:

Charge carriers engineering Conducting materials

System analysis and

Conductivity design measurement

Grain boundaries Conformal mapping

> Impact ionization BT: Mathematics Transmission line RT: Coplanar waveguides

Wave functions

Photoconductivity Waveguide components

Semiconductivity Waveguide theory Transconductance

Conformance testing

Conductivity measurement

NT:

Compliance testing UF: UF:

Conformity assessment Resistivity

measurement Type testing Testing Electric variables BT: BT:

measurement RT: Accreditation RT: Certification

Conductivity Ouality of service

Conductors Standards UF:

Conducting bodies Surveillance BT: Electric machines

RT: Cables Conformity assessment

Conformance testing Conducting materials USE:

Core loss Power cables Connected cars

Power distribution USE: Connected vehicles

lines



Connected vehicles Prefabricated

> UF: Connected cars construction

BT: Vehicles

Plugs

BT:

NT:

Consortia

RT: Intelligent vehicles **Construction industry**

BT: Industries RT:

Building automation Connecting Building materials USF: Joining processes

Buildings

Connective tissue Construction Biological tissues Floors BT:

Mortar

Connectors Shipbuilding industry Electronic components

NT:

Smart cities Prefabricated

Sockets construction

Consumer behavior Consensus algorithm

Algorithm design and UF: Consumer behaviour Behavioral sciences theory BT: RT: Consumer products

> Customer profiles Customer relationship BT: Engineering management

RT: Business management

Market opportunities Constellation diagram

Consumer behaviour UF: Signal constellation

> BT: Digital modulation USE: Consumer behavior

Constraint handling Consumer electronics

Constraint programming UF: UF: Kindle BT: Logic programming RT: Consumer products

Digital systems

Firewire Constraint optimization BT: Design optimization Microcomputers

RT: Electronics packaging Video equipment NT:

Ambient intelligence Constraint programming Audio systems

USE: Constraint handling Home automation Home computing

Constraint theory Low-power electronics Integer linear Microwave ovens Multimedia systems programming

Construction Consumer products

> UF: Erection BT: Manufactured products BT: Industries RT: Commercial law

Building materials Consumer behavior RT: Civil engineering Consumer electronics Domestic safety Construction industry Structural engineering Electrical products

NT: Food industry Buildings Green buildings Food manufacturing

Food products Modular construction Footwear industry



Market research RT: Chemical hazards Plastic products Decontamination

Product liability Hazards Product safety **Impurities** Watches Microfiltration

Pollution Clothing

Games Quality control Radiation protection Home appliances Microwave ovens NT: Surface contamination

Consumer protection Content addressable memory

BT: USE: Associative memory

Product safety engineering Content addressable storage

RT: Censorship BT: Memory

> Commercial law Content-based RT:

Customer relationship retrieval

NT:

management Content based retrieval Quality assurance

USE: Content-based

Consumer-generated media retrieval User-generated content USE:

Content delivery networks

Contact resistance Content distribution USE:

BT: Contacts networks

Content distribution networks Contactors

BT: Switches UF: Content delivery

networks

BT: Computer networks Contacts

Circuits and systems BT: RT: Semiconductor devices Content management

NT: Brushes BT: Electronic publishing

Contact resistance Management RT:

Ohmic contacts Blockchain Document handling

Containers MPEG 7 Standard Material storage Multimedia computing BT: Materials handling Publish subscribe

equipment

systems RT: Bulk storage Semantic Web

Web design Canning Filling Web sites Fuel storage

Content-based retrieval Loading

Measurement Content based UF:

Pallets retrieval

Production RT. Information retrieval

Content addressable RT: Stacking NT: Freight containers storage

Contamination Context

BT: Materials science and BT: Professional

communication technology



RT: Pragmatics RT: Computer aided

instruction

Engineering education Context aware*

Management training

Training

Training

Oualifications

Context awareness

USE:

Artificial Continuing professional development BT:

intelligence

UF: Life long learning RT: Intelligent control BT: Human resource

RT:

Intelligent systems management

Knowledge acquisition

Learning systems Pervasive computing

Context-aware services

Semantic search

Continuous improvement

UF: Kaizen

Total quality Context modeling BT:

> BT: Modeling management

RT: Computational Production management RT: linguistics

Quality awards

Continuous time

Page 106

Context-aware applications Continuous phase modulation

Context-aware services Phase modulation USE: BT:

Continuous production Context-aware computing

> USF: Context-aware services BT: Flow production

systems Context-aware services

Production control UF: Context aware* RT: Process control

> Production management Context-aware

applications

Context-aware Continuous systems

computing USE:

Ubiquitous computing BT: systems

Continents Continuous time models

> BT: Geoscience USE: Continuous time

NT: Africa systems

Asia

Continuous time systems Australia Europe UF:

Continuous systems

North America Continuous time models

BT: Time factors South America

Continuous wavelet transforms Contingency management

> BT: Management BT: Wavelet transforms NT: Crisis management

Disaster management Continuous-stirred tank reactor

Mission critical Chemical reactors

systems

Continuously variable transmission

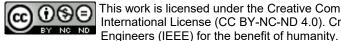
Continuing education USE: Mechanical power

UF: Further education transmission

Contract law Educational programs

Career development

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BT:

BT: Law Control equipment

RT: Contracts BT: Control systems Employment law RT: Manipulators

Mechatronics

Contract management Robots

NT: Actuators

Management Fasteners
RT: Risk management Microcontrollers

Regulators
Remote control
Servosystems
Switches
Switchgear

Telecontrol equipment

Thermostats

BT: Management RT: Business

BT:

Contracts

Contract law Procurement Proposals

Contracts

NT: Contract management

Forward contracts

Licenses

Smart contracts
Subcontracting

Control charts

UF: Cusum charts

Shewhart charts

BT: Production management

RT: Control systems

Quality management

Control design

BT: Control systems

RT: Feedback

Lyapunov methods

Control engineering

BT: Control systems

RT: Control engineering

education

Predictive control

NT: Control system

security

Control engineering computing

BT: Computer applications

RT: Control engineering

education

Hardware-in-the loop

simulation

Control engineering education

BT: Engineering education RT: Control engineering

Control engineering

computing

Control nonlinearities

BT: Control theory RT: Nonlinear control

systems

NT: Backstepping

Feedback linearization

Control system analysis

BT: System analysis and

design

RT: Piecewise linear

techniques

NT: State-space methods

Control system security

BT: Control engineering

Security

RT: Computer crime

Control systems

Cyber-physical systems Industrial control National security Power system control

Safety

Control system synthesis

UF: Control systems

synthesis

BT: Control systems

RT: Circuit synthesis

Hardware-in-the loop

simulation

Linearization

techniques

Piecewise linear

techniques

Control systems



RT: Actuators Control equipment Adaptive control Control system Air traffic control synthesis Communication system Controllability Cruise control control Decentralized control Control charts Control system Delay systems security Digital control Fault tolerant control Cybernetics Discrete-event systems Feedback Discrete-time systems Feedback linearization Estimation Fluid flow control Flexible structures Fluidics Force control Gaze tracking Game theory Homeostasis Linear feedback H infinity control Interconnected systems control systems Inventory control Magnetic variables Legged locomotion control Linear systems Mechanical variables Linearization control Medical control techniques MIMO communication systems Manipulators Moisture control Microcontrollers Motion compensation Networked control Microsensors Mobile robots systems Neuromodulation Nonlinear control Nonlinear systems systems Parameter estimation Open loop systems Poles and zeros Optical control Real-time systems Optimal control Robots PD control Robustness PI control Pneumatic systems Sensitivity Stability Positive train control State estimation Pressure control Stochastic systems Proportional control Radio control Switched systems Target tracking Robot control Time-varying systems SCADA systems Transfer functions Sensorless control Uncertain systems Sliding mode control NT: Automatic control Supervisory control Thermal variables Automatic generation control control Traffic control Bidirectional control

Didirectional control

Block signalling

Brakes Control systems synthesis

CAMAC USE: Control system

Centralized control synthesis

Closed loop systems

Control design Control theory

Control engineering BT: Cybernetics



RT: Dynamics BT: Mathematics

Feedback circuits

Control systems

Control nonlinearities NT: Convex optimization

> Convex functions Iterative learning USE:

control

Observability Convolution

Signal processing BT: Deconvolution Controllability RT:

Numerical analysis

NT: Convolvers

Convection

BT:

Mixed convection UF: Convolutional codes

> Rayleigh-Benard UF: Trellis codes

Codes convection BT:

Heat transfer Channel coding BT: RT:

Digital multimedia

Convergence broadcasting

BT: Mathematics Error correction

Error correction codes Convergence of numerical methods Radio communication

BT: Numerical analysis Satellite

communication

Telecommunications Converters UF: Convertors

> Switching convertors Convolutional neural networks

Power electronics BT: BT: Artificial neural

RT: Data conversion networks

> Pulse width modulation RT: Generative adversarial

> > Convolvers

Pulse width modulation networks

inverters Machine learning

Space vector pulse width modulation

NT: AC-AC converters BT:

Convolution DC-AC power converters

Digital-to-frequency

Coolants

converters UF: Antifreeze materials BT:

Frequency conversion Cooling Modular multilevel Space cooling RT: Refrigerants NT:

converters Power conversion

Pulse width modulation Cooling

Temperature control BT: converters

> Resonant converters RT: Electronics cooling

Static power Electronics packaging

HVAC

Voltage-source Heat pipes

Thermal engineering

Wavelength converters Water pumps

NT: Air conditioning Convertors

Cold plates USE: Converters Coolants

Heat sinks

Convex functions Immersion cooling UF: Convex optimization Liquid cooling



converters

converters

Refrigeration Electromagnetic

waveguides

Copper compounds

System recovery

Copper

Solar cooling Space cooling

Thermal quenching

Trigeneration Ventilation

UF: Cu BT: Metals NT: Copper alloys

Cooperative cache

USE: System performance

Copper alloys

Cooperative caching BT: Copper BT: System performance RT: Alloying

Cooperative communication Copper compounds

> UF: Amplify-and-forward BT: Copper

cooperative communication

BT: Collaborative work Coprocessors

Wireless communication BT: Circuits

Communication RT: Integrated circuits effectiveness Microprocessors Professional RT: Digital arithmetic

communication

Cooperative work

Copyright protection Cooperative networks Legal factors BT:

USE: Cooperative systems RT: Plagiarism

Public domain software

Cooperative systems Publishing UF: Cooperative networks Trademarks

BT: Artificial Intellectual property NT:

Software protection intelligence

RT: Artificial bee colony

algorithm Core dumps

BT:

USF: Collaborative work Core loss

UF: Core losses

Coordinate measuring machines BT: Energy loss UF: CMM Conductors RT: BT: Measurement **Transformers**

> RT: Inspection Machine tools Core Losses

Quality control USE: Core loss

Core-shelf nanostructures Coplanar transmission lines

> BT: Planar transmission USE: Nanostructured

lines materials

NT: Coplanar waveguides Cornea

Coplanar waveguides BT: Eyes

UF:

Coplanar transmission BT: Corner detection

lines BT: Computer vision RT: Conformal mapping Image processing

RT: Image edge detection



Motion detection RT: Corrosion

> Corrugated surfaces BT:

> Cortical plasticity

Galvanizing

Corona BT:

Materials preparation Electric breakdown Materials processing RT: Partial discharges

Coronary arteriosclerosis

Rough surfaces BT: Arteriosclerosis Surfaces

Corporate acquisitions Cortical bone

> UF: Mergers BT: Bone tissue

BT: Organizational aspects RT: Business process re-

USE: Neuroplasticity engineering

Corpse Cosmic gamma ray bursts

Gamma-ray bursts USE: Cadaver USE:

Corpus amygdaloideum Cosmic rays

USE: Amygdala BT: Extraterrestrial

phenomena

Electrons Corpus callosum RT:

Callosal commissure UF: Elementary particles BT:

Brain Mesons Neutrons **Protons**

BT: Statistics

Correlation

RT: Correlation Cost accounting

coefficient UF: Valuation

Autocorrelation BT: NT: Costing

Management accounting Correlation coefficient RT: Costs

> BT: Statistics Economics RT: Correlation Profitability

> > Regression analysis Cost analysis

Correlators USE: Cost benefit analysis

BT: Electromagnetic

Cost benefit analysis radiation RT:

Signal detection UF: Cost analysis Signal processing Cost-benefit analysis

Costs

BT: Corrosion

RT: Functional point

BT: Surfaces analysis

RT: Coatings Corrosion inhibitors Cost function

Galvanizing BT: Optimization

Grain boundaries

Magnetic flux leakage Cost of living index

Economic indicators Passivation USE:

Corrosion inhibitors Cost-benefit analysis

BT: Inhibitors USE: Cost benefit analysis

Materials



Cost-of-living index Radiation detector

> USE: Economic indicators circuits

Costing Coupled circuits

UF: Capital cost reduction USE: Coupling circuits

Operating cost

reduction BT:

BT: Circuit analysis Financial management NT: Cost accounting RT: Multiconductor

Coupled mode analysis

Coupling (process)

USE:

Apertures

Joining processes

transmission lines

Costs

RT:

BT: Economics Couplers

BT: Communications RT: Cost accounting

> Econometrics technology Exchange rates RT:

Cost benefit analysis Coupling circuits NT: Electromagnetic

Cotton coupling

> Agricultural products BT: NT: Directional couplers

Textiles

Natural fibers Textile fibers

Textile industry

Coupling circuits Weaving

UF: Coupled circuits Counseling

BT: Circuits USE: Employee welfare RT: Couplers

Counselling Couplings

Employee welfare USF: UF: Linkages

BT: Mechanical products Counterfeit goods RT: Fasteners

USE: Counterfeiting AND Joining processes

Manufactured products Machine components Shafts

Counterfeiting

UF: Counterfeit goods Course correction

BT: Computer crime UF: Course-correction BT: Navigation

Countermeasures (computer) RT: Aircraft navigation BT:

Computer security Path planning Data protection

RT: Access control Course-correction

Anti-virus software USE: Course correction

Blacklisting Firewalls (computing) Courseware

Whitelists BT: Educational technology

RT: Authoring systems

Computer aided Counters USE: Radiation detectors instruction

Software

Counting circuits BT: Circuits Covariance matrices

> RT: Logic circuits UF: Covariance matrix



BT: **Statistics** USE: Cyclic redundancy

check codes

Credit cards

Covariance matrix

USE: Covariance matrices Creativity

> BT: Innovation management

Cows

UF: Cattle

Bovine BT: UF: American Express

> Mastercard Visa gold

CPU

USE: Central Processing BT: Financial management

Unit

Cranes

Creep CPW

BT: Material properties USE: Coplanar waveguides

Criminal law

BT: CrLaw

USE: Chromium Crimping

Cramer Rao bound BT: Joining processes

USE: Cramer-Rao bounds

Crisis management

Cramer Rao hounds

Contingency management USE: Cramer-Rao bounds

Cramer-Rao bounds

Critical current BT: UF: Cramer Rao bound

density (superconductivity) Cramer Rao bounds RT: Silicon compounds

Cramer-Rao inequality Superconducting

BT:

Critical current density

Information inequality materials

Estimation theory Thermal factors BT:

Cramer-Rao inequality Critical current density

USE: Cramer-Rao bounds (superconductivity) BT:

Superconductivity RT: Magnetic fields

Critical current BT: Lifting equipment NT:

density

Cranial Critical infrastructure BT: Nervous system

> NT: Cranial pressure UF: Critical national

infrastructure

Cranial pressure Public infrastructure BT:

BT: Cranial

NT: Critical national infrastructure Intracranial system

Critical USF:

Cranium infrastructure

Crops

Crawlers BT: Agricultural products

BT: Web search Vegetation RT: Bot (Internet) RT: Fertilizers Greenhouses

CRC codes Irrigation



BT:

Head

Water storage RT: Collective

Yield estimation intelligence

Distributed processing

Cross cultural communication Mobile computing

Outsourcing
Social computing
Social network

Cross layer design services

Cross-cultural

BT: Communication systems NT: Product development

RT: Ad hoc networks

IEEE 802.16 Standard CRT

Land mobile radio USE:

cellular systems

USF:

communication

Radio communication BT: Control systems

Electromechanical

Superconducting

Cathode ray tubes

Cross platform virtualization systems

USE: Application RT: Velocity control

virtualization

Cryobiology
Cross reality
BT: Biology

USE: X reality Temperature

measurement

Cross-cultural communication

UF: Cross cultural Cryogenic electronics

communication BT: Industrial electronics

BT: Global communication RT: Cryogenics

RT: Cultural differences Superconducting

devices

Cross-platform virtualization

USE: Application materials

virtualization

Cryogenics
Cross-site scripting
UF: Cryonics

UF: XSS BT: Industry applications

BT: Computer security Temperature

measurement

Crosstalk RT: Cryogenic electronics

UF: Crosstalk noise

BT: Interference Cryonics

RT: Electromagnetic USE: Cryogenics

interference

Interchannel Cryotherapy

interference BT: Medical treatment

Transmission line Temperature

theory measurement

Crosstalk noise Crypto currency

USE: Crosstalk USE: Cryptocurrency

Crowdsourcing Cryptocurrency

BT: Collaborative work UF: Crypto currency

Internet BT: Cryptography Currencies



RT: Blockchain Semiconductor growth

Digital systems

Distributed ledger Crystal microstructure Finance BT: Crystals

Online banking RT: Microstructure

NT: Bitcoin

Crystalline materials

Cryptographic BT: Materials USE: Cryptography NT: Martensite Nanocrystals Cryptographic accelerators Superlattices

USF: Hardware acceleration

Crystallisation

Cryptographic hash function USE: Crystallization BT:

Cryptography Hash functions Crystallisers

> USE: Crystallizers

Cryptographic protocols BT: Protocols Crystallization

UF: Crystallisation Cryptography BT: Crystallography

Cryptographic Crystal growth UF: NT: BT: Data security

Crystallizers Security

RT: Bitcoin UF: Crystallisers

Blockchain BT: Chemical technology Chaotic communication RT: Chemical reactors Codes

Colloidal crystals Communication system Crystallography

security Crystals

Computer security Data handling Crystallography

> Encoding BT: Crystals Hash functions RT: Crystallizers Message authentication Diffraction

Privacy X-ray detectors Random sequences NT: Crystallization

Steganography Trust management Crystals

NT: Ciphers BT: Materials

Cryptocurrency RT: Crystallizers Epitaxial growth Cryptographic hash Materials science and

Encryption technology

> Molecular beam Public key

Quantum cryptography epitaxial growth

Random number Phonons

generation Piezoelectric

Side-channel attacks materials

Zero knowledge proof Semiconductor materials

Crystal growth Solids

BT: Crystallization NT: Colloidal crystals RT: Epitaxial growth Crystal microstructure



function

Crystallography Current transformers

Grain boundaries NT: Bioimpedance Grain size Current slump

Liquid crystals Dark current Quartz crystals Fault currents Leakage currents Persistent currents

Regulators

CSMA USE: Multiaccess

CT scan

Short-circuit currents communication Threshold current

CSP Current control

USE: Chip scale packaging UF: Current regulation

BT: Electric variables **CSTR** control

USE: Chemical reactors RT: Current

Current measurement

USE: Computed tomography Switches Switchgear

Cu NT: Electric current

USE: Copper control

Electrical ballasts CubeSat

Small satellites BT: Current crowding

USE: Proximity effects

Cultural differences Current density BT: Social implications of

Current measurement BT: technology

RT: Cross-cultural RT: Density measurement Particle measurements communication

Skin effect Digital divide NT:

Memetics Social intelligence **Current distribution**

BT:

Current measurement RT: Antenna theory Curing

BT: Materials processing RT: Heat treatment Current limiters

> Kilns BT: Power electronics

> > RT: Current

Curium Current measurement

BT: Chemical elements NT: Fault current limiters

Currencies Current measurement

> BT: Finance UF: Electric current

NT: Cryptocurrency measurement

Electric variables BT:

Current measurement

> UF: Electric current RT: Ammeters BT: Electric variables Current

RT: Breakdown voltage Current control Current control Current limiters Current limiters NT: Current density

> Current measurement Current distribution Current supplies



Current measurement (water) BT: Customer relationship

USE: Sea measurements management

Current mode circuits

USE: Current-mode circuits

Current regulation

USE: Current control

Current slump

BT: Current

Current supplies

BT: Power supplies

RT: Current

Current transformers

BT: Transformers RT: Current

Current voltage characteristics

USE: Current-voltage

characteristics AND

Electric variables

Current-mode circuits

UF: Current mode circuits BT: Integrated circuits

Current-voltage characteristics

UF: Current voltage

characteristics

BT: Electric variables

Curriculum development

BT: Education courses

RT: Educational programs

STEM

Curve fitting

BT: Approximation methods

Visualization

RT: Computer graphics

Interpolation

Least squares

approximation

Splines (mathematics)

Surface fitting

Custom integrated circuits

USE: Application specific

integrated circuits

Customer profiles

RT: Consumer behavior

Market opportunities

Customer relationship management

BT: Management

Consumer behavior RT:

Consumer protection

Management information

systems

Public relations Ouality management

Supply chain

management

Customer profiles NT:

> Customer satisfaction Customer services Market research Stakeholders

Customer satisfaction

BT: Customer relationship

management

Customer services RT:

Market research

Product customization Quality management

Ouality of experience NT:

Quality of service

Customer services

BT: Customer relationship

management

Customer satisfaction RT.

Cusum charts

Control charts USE:

Cutoff frequency

BT: Integrated circuit

modeling

Cutting fluids

USE: Lubricants

Cutting tools

BT: Production equipment

RT: Blades

Dies

Machine tools

Metalworking machines

Milling machines

Metal cutting tools NT:



Water jet cutting Control system

security

CVD Embedded systems

USE: Chemical vapor Human computer

deposition interaction

Smart cities Smart grids Wireless sensor

Cyber attacks
USE: Cyberattack networks

Cyber crime Cyber-space

USE: Computer crime USE: Cyberspace

Cyber eavesdropping Cyberattack

USE: Eavesdropping UF: Cyber attack

Cyber attacks
Cyber espionage
BT: Computer crime

UF: Cyber spying Computer security

Cyberespionage RT: Cyber warfare
Cyberspying Cyberethics
Computer security

Information security **Cybercare**

RT: Malware BT: Biomedical equipment

Trojan horses Medical services

Cyber ethics Cybercrime

USE: Cyberethics USE: Computer crime

Cyber spying Cybereavesdropping

USE: Cyber espionage USE: Eavesdropping

Cyber terrorism Cyberespionage

UF: Cyberterrorism USE: Cyber espionage

BT: Computer crime
Terrorism Cyberethics

RT: Computer networks UF: Cyber ethics BT: Ethics

Cyber warfare RT: Behavioral sciences

UF: Cyberwarfare Cyberattack

BT: Computer security Intellectual property
RT: Computer networks Privacy

Cyberattack Social implications of

National security technology

Cyber-crime Cybernetics

USE: Computer crime

UF: Biocybernetics

BT: Systems, man, and

Cyber-physical systems cybernetics

UF: Cyberphysical systems RT: Automata

BT: System of systems Cognitive systems
RT: Collaboration Control systems
Cyberspace



BT:

Econometrics Noise

Ergonomics NT: Cyclic redundancy

Information theory check codes

Learning systems

Man-machine systems Cyclic redundancy check codes

Neural networks UF: CRC codes
Radial basis function BT: Codes

Cyclic redundancy

Robots check

NT: Adaptive systems RT: Decoding

Cognitive informatics Error analysis
Cognitive science Error correction
Control theory

Decision theory Cyclones

Econophysics UF: Polar cyclones
Emergent phenomena BT: Geoscience
Intelligent control NT: Hurricanes

Linear feedback Tropical cyclones

control systems

networks

Cyclonic storms

Cyberphysical systems USE: Tropical cyclones
USE: Cyber-physical systems

Cyclotrons

Cyberspace BT: Particle accelerators

UF: Cyber-space

BT: Communication networks *Cyphers*

Computer networks USE: Ciphers

RT: Computers
Cybernetics D-HEMTs

Electromagnetics UF: Depletion mode HEMTs

Internet Depletion-mode HEMTs

Telematics BT: HEMTs

Virtual reality

World Wide Web D/A

USE: Digital-analog

Cyberspying conversion

USE: Cyber espionage

D/A conversion

Cyberterrorism USE: Digital-analog

USE: Cyber terrorism conversion

Cyberwarfare D/A converters

USE: Cyber warfare USE: Digital-analog

conversion

Cyborgs

USE: Man-machine systems D2D

USE: Device-to-device

Cyclic redundancy check communication

BT: Mathematics

RT: Algorithms Dairy products
Data communication UF: Butter

Error analysis Cheese Error correction Milk

Information theory BT: Agricultural products



Food products Analog-digital RT:

RT: Agriculture conversion

Data handling Damascene integration Data processing BT: Electronic equipment High energy physics

manufacture instrumentation computing

RT:

Very large scale Measurement NT: integration Fastbus

User-generated content

Dampers USE: Shock absorbers Data aggregation

BT: Data collection RT: Damping Data assimilation BT:

Mechanical factors Data handling RT: Hysteresis Data integration **Impedance** Database systems

Oscillators Information management Propagation

Shock absorbers Data analysis

Stability UF: Data analytics Transfer functions BT: Data processing

Big Data applications Transient response RT: Data collection Vibration control

Vibrations Data mining Formal concept

Dams analysis

BT: Environmental Text categorization NT: Business intelligence

management Data science RT: Hydroelectric power

generation **Ttemsets** Reservoirs Training data

Water storage

Data analytics

DA0 USE: Data analysis USE:

Data acquisition Data assimilation

Dark current BT: Data handling

RT: Data aggregation BT: Current Meteorology

Dark energy

BT: **Physics** Data breach

UF: Data spill

Dark states BT: Information security

BT: Laser applications RT: Data security

Darmstadtium Data buses

BT: Chemical elements UF: Computer buses

BT: Communication systems

Data communication DARPANET

USE: **ARPANET** RT: CAMAC

Computer interfaces

Data acquisition Fastbus

> IEEE 1394 Standard UF: DAO

BT: Data systems NT: Backplanes



Data center power

UF:

Data buses

BT: Data centers Data transfer Telecommunication

Power systems

Telemetry

Data centers

Data centres

Teleprinting Visible light

BT: Data systems communication

buffers

NT: Data center power

Data compression

Data centres

USE: Data centers BT: Data systems RT: Encoding

Data collection

Data communication

Data processing BT: Blockchain RT: Data analysis

Rate-distortion Streaming media

Entropy coding

Fourier series

Quantization (signal)

Information processing

Transcoding Video compression

NT: Big Data

NT:

Adaptive coding

Data aggregation

Audio compression Huffman coding

Source coding

UF: Data transmission BT: Communication systems

Test data compression Transform coding

RT: Ad hoc networks

> **B-ISDN** CAMAC

Data confidentiality

Computer networks

Cyclic redundancy

USE: Data privacy

check

Data dissemination

Data security

Digital communication

Distributed computing

conversion

conversion

Data conversion

BT:

RT:

NT:

Analog-digital Digital-analog

Data systems

Converters

Extranets

Fastbus

File servers

Firewire

IEEE 1394 Standard

TSDN

Modems Multiprocessor

Data dissemination

Data handling BT:

Information sharing

RT:

Data communication Data integration

Mobile computing

interconnection

Office automation

Packet loss

Personal area networks

Data encapsulation BT:

Data handling

Telecontrol equipment

Data engineering

Data systems

Teletext Videotex BT:

NT: Asynchronous Data envelopment analysis

Asynchronous transfer

BT: Linear programming

Data flow computing mode



communication

BT: Multiprocessing Data mining

systems BT: Pattern recognition

RT: Artificial

Data flow graphs intelligence

USE: Flow graphs Big Data

Business intelligence
Data freshness Data analysis

Data visualization Knowledge discovery Nearest neighbor

Data fusion

Data integrity

USE:

USE: Data integration methods

Data gloves

NT: Anomaly detection
Association rules

BT: Haptic interfaces Data privacy
Text analysis

Data handling Text mining
UF: Electronic data Web mining

interchange
BT: Data systems Data models

RT: Big Data BT: Modeling

Buffer storage RT: Database systems
Cryptography Semantic Web

Data acquisition Semantic technology

Data aggregation NT: Metadata
Data processing

Data security Data preprocessing

Encoding BT: Data processing Enterprise resource

planning Data privacy

General Data UF: Data confidentiality

Protection Regulation Privacy preserving

NT: Data assimilation data mining

Data dissemination BT: Data mining
Data encapsulation RT: Privacy

Data integrity NT: Data protection
Document handling Differential privacy

Merging
Sorting Data processing

Data integration BT: Data systems RT: CAMAC

UF: Data fusion Computers and

BT: Data processing information processing

Data aggregation Data acquisition

Data dissemination

Data handling

Database systems

Enterprise resource

UF: Data freshness planning

Data quality Fastbus

Computer security Signal processing

Data handling Smart cards

Digital preservation Technology management
Ouality assurance NT: Associative processing

Quality assurance NT: Associative processing Quality control Business data

processing



RT:

BT:

RT:

Data integrity

Data analysis

Data collection

Data integration

Data preprocessing

Data transfer

Information exchange Spreadsheet programs

Text processing

Virtual enterprises

structure)

Data protection

BT: Data privacy RT: Computer security Data security

Differential privacy Information security

Privacy

NT: Countermeasures

(computer)

General Data

Protection Regulation

Data quality

USE: Data integrity

Data science

BT: Data analysis

RT: Knowledge discovery

Neuroinformatics

Data security

UF: Security of data

System privacy

management

BT: Security

RT: Communication system

security

Computer crime

Computer network

management

Computer security

Data breach

Data communication Data handling Data protection

Privacy

Virtual private

networks

NT: Cryptography

Message authentication

Tokenization

USE: Data breach Data storage

USE: Memory

Data storage systems

Data systems BT:

RT: Big Data

Storage area networks

NT: Triples (Data

Data structures

Computer architecture BT:

RT: Computer languages Database systems

> File systems NoSQL databases

NT: Arrays

Binary decision

diagrams

Null value

Octrees

Persistent identifiers

Table lookup

Tree data structures

Data systems

BT: Computers and

information processing

Information systems

Big Data applications RT:

NT: Data acquisition

Data centers Data compression Data conversion

Data engineering Data handling

Data processing Data storage systems

Data warehouses

Data transfer

BT: Data communication

Data processing

Packet switching RT:

Handover NT:

Data transmission

USE: Data communication

Data visualisation

USE: Data visualization

Data spill

Data visualization



UF: Data visualisation Object oriented

BT: Computer graphics databases

Biomedical imaging

User interfaces

Data mining Databases

Modeling BT: Professional

NT: Isosurfaces communication

NT: Database systems

Data warehouses Deductive databases

BT: Data systems Distributed databases
RT: NoSQL databases Image databases

Query processing

RT: NoSQL databases Image databases Multimedia databases

Database languages Object oriented

UF: Query languages databases

BT: Computer languages Relational databases
RT: Database systems Spatial databases
NT: Structured Query Transaction databases

Language Visual databases

Database machines Daylighting

BT: Computers and BT: Lighting

information processing

RT:

RT: Database systems DBR

Information systems USE: Distributed Bragg

reflectors

Database management systems

USE: Database systems

DBS

USE: Satellite broadcasting

Database systems

UF: Database management DC generators

systems UF: Direct current

Technical data generators

management BT: DC machines

BT: Databases Generators

Information systems RT: Pulse width modulation RT: Data aggregation Rotating machines

Data models
Data processing
DC machines

Data structures UF: Direct current

Database languages machines

Database machines

File systems

BT: Electric machines

RT: Pulse width modulation

Hypertext systems Sensorless control

Information NT: DC generators

DC motors

Linked data Homopolar machines

structure) DC motors

Triples (Data

NT: Audio databases UF: Direct current motors

Deductive databases BT: DC machines

Image databases Motors

Indexes RT: Pulse width modulation Multimedia databases Pulse width modulation

Multimedia databases Pulse width modulation NoSOL databases inverters



architecture

Space vector pulse

width modulation

NT: Brushless DC motors

Commutators

DC-AC power converters

UF: DC-AC power convertors

BT: Converters

Power conversion

DC-AC power convertors

USE: DC-AC power converters

DC-DC converters

USE: DC-DC power converters

DC-DC power conversion

DC-DC power converters

DC-DC power converters

UF: DC-DC converters

> DC-DC power conversion DC-DC power convertors

BT: Power conversion

RT: Machine vector control

Pulse width modulation

inverters

NT: Buck converters

DC-DC power convertors

USE: DC-DC power converters

DCT

USE: Discrete cosine

transforms

DDoS

Distributed denial-of-USE:

service attack

DDoS attack

USE: Computer crime

DDSM

Delta-sigma modulation USE:

De broglie hypothesis

USE: Matter waves

De Broglie methods

USE: Matter waves

De-noising

Noise reduction USE:

Dead reckoning

BT: Navigation

Deadlocks (computers)

USE: System recovery

Deafness

Death

BT: Medical conditions

RT: Sign language

BT: Pathological processes

NT: Asphyxia

Debugging

BT: System recovery

Deburring

BT: Surface finishing

RT: Drilling Machining

Polishing machines

Decarbonisation

USE: Low-carbon economy

Decarbonised economy

USE: Low-carbon economy

Decarbonization

USE: Low-carbon economy

Decarbonized economy

USE: Low-carbon economy

Decentralised control

USE: Decentralized control

Decentralized control

UF: Decentralised control

> Distrbuted control Distributed generation Distributed modeling

Control systems BT:

RT: Flexible structures NT: Distributed parameter

systems

Decision analysis

BT: Decision making

Information analysis

Decision feedback equalizers



BT: Equalizers Codes

Cyclic redundancy

Decision making

BT: Management

RT: Decision support

systems

Expert systems
Planning
Risk analysis
Signal detection

Stakeholders

Strategic planning

TOPSIS

NT: Analytic hierarchy

process

Collective

intelligence

Decision analysis

Distributed decision

making

Game theory

Pattern classification

Persuasive systems

Trust management

Decision support systems

BT: Artificial

intelligence

RT: Competitive

intelligence

Decision making

Knowledge based

systems

Decision theory

BT: Cybernetics NT: Decision trees

TOPSIS

Decision trees

UF: Tree searching

BT: Decision theory

NT: Classification tree

analysis

Regression tree

analysis

5

Decoder

....

USE: Decoding

Decoding

UF: Decoder

BT: Information theory

RT: Codecs

check codes

Demodulation

Parity check codes

Product codes Signal processing Space-time codes Speech codecs

Speech codecs Video codecs

NT: Maximum likelihood

decoding

Decontamination

BT: Materials handling

RT: Chemical technology

Contamination Environmental

monitoring

Pollution control

Purification

Deconvolution

BT: Inverse problems

RT: Convolution

Integral equations Numerical analysis Signal processing

Signal restoration

Decorrelation

BT: Signal processing

Dedicated short range communication

UF: DSRC

BT: Wireless communication RT: Intelligent vehicles

On board unit Vehicular ad hoc

networks

Deductive databases

UF: Intelligent databases

BT: Database systems

Databases

RT: Knowledge based

systems

Deep etching

USE: Etching

Deep learning

ccp rearring

UF: Deep structured

learning



Hierarchical learning Distortion

BT: Machine learning Phase distortion NT: Propagation delay

Deep level transient spectroscopy

BT: Semiconductor Delay estimation

materials

Delays BT: Spectroscopy

Computer networks RT:

Multiaccess

Deep structured learning communication

> USE: Deep learning

Speech processing

Deep-space communications Delay lines

> Space communications Delay systems BT: BT: RT: Telemetry RT: Delay effects

Defence industry Delay lock loops

> USE: Defense industry USE: Tracking loops

Defense industry Delay systems

> UF: Defence industry BT: Control systems BT: Industries RT: Delay effects

Telerobotics RT: Military equipment Added delay Weapons NT: Delay lines

Defibrillation

Medical treatment BT: Delays

RT: Cardiology BT: Timing

> Fibrillation NT: Delay estimation

Delta modulation Definitions

> USE: Terminology BT: Analog-digital

conversion

Deformable models Digital signal

BT: Modeling processing

Delta-sigma modulation NT ·

Deformation Sigma-delta modulation

Strain USE: Delta sigma

Degenerative diseases Sigma-delta modulation USE:

BT: Diseases

Delta sigma modulators Degradation USE: Delta-sigma modulation

Materials science and BT:

technology Delta-sigma modulation UF: DDSM

Delamination Delta sigma modulators

Delta modulation BT: Materials testing BT:

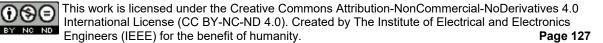
Demagnetisation Delay effects

> UF: Time delay USE: Demagnetization

BT: Electromagnetic

analysis Demagnetization

RT: Delay lines UF: Demagnetisation BT: Delay systems Magnetics



RT: Proof of work

Demand forecasting NT: Distributed denial-of-

BT: Forecasting service attack

Denoising

Noise reduction Demand response USE: Power demand BT:

Density estimation robust algorithm Demand-side management UF: DER

BT: Energy management BT: Algorithms

RT: Power system planning

Density functional USE:

Dementia theory BT: Diseases

> Density function theory NT: Alzheimer's disease

USE: Density functional

Demodulation theory UF: Demodulators

Vehicle-to-grid

Production planning

RT:

BT: Modulation Density functional theory

RT: Amplitude modulation UF: Density function

Density function Decoding Detectors theory

Density function

Frequency modulation Density-function

Mixers BT: Quantum mechanics Modems

Phase modulation Density measurement

Pulse modulation BT: Measurement Bone density Receivers RT: Signal detection Current density

Pressure gauges NT: Hydrometers

UF:

Dental

Demodulators USE: Demodulation

Density-function

USE: Density functional Demography BT: Social factors theory

Demultiplexing Dental

Multiplexing BT: USE: Dentistry

RT: Arrayed waveguide

Dentistry gratings

Dendrites (neurons) Medical treatment BT:

UF: Dendrons

BT: Dependability management Neurons

BT: Management RT: Reliability

Dendrons USE: Dendrites (neurons) Safety management

Denial-of-service attack Depletion mode HEMTs UF: USE:

DoS attack D-HEMTs

BT: Communication system

security Depletion-mode HEMTs Computer security USE: D-HEMTs

NT: Design tools

Pollution

Design for

Design tools

Design methodology

Process design Product design

Waste reduction

Design methodology

Design methodology

Design methodology

Quality assurance

Quality management Total quality

Process design

Product design

Quality control

Design-for-test

Logic design

Design

Ergonomics

Logic design

Optical design

Logic testing

Design-for-testing

Design methodology

Built-in self-test

Electronic design

Combinatorial testing

Design for manufacture

Design for disassembly BT:

Design for experiments

Design for manufacturabilty

BT:

USE:

Design for manufacture

UF:

BT:

RT:

Design for quality

BT:

RT:

Design for testability

UF:

BT:

RT:

Design methodology

UF:

BT:

RT:

automation and methodology

management

manufacturabilty

RT:

Deployable structures

USE: Flexible structures

DFR

Density estimation USE:

robust algorithm

Derailments

USE: Railway accidents

Dermatology

BT: Medical specialties

Dermis

BT: Skin

Desalination

BT: Water conservation

Water resources

RT: Reverse osmosis

Description logic

BT: Knowledge

representation

Ontologies

Design

USE: Design methodology

Design automation

UF: CAD

Circuit CAD

Circuit design (CAD) Circuit layout CAD Computer aided design Computer-aided design

Electronic design

automation and methodology

BT:

Automatic test pattern RT:

generation

Circuit simulation

Design tools Hardware design

languages

Laser sintering

SPICE

NT: CADCAM

Logic design

PSCAD

Design engineering

BT: Engineering - general RT: Design optimization

design

techniques

NT:

Design for disassembly

Rapid prototyping System analysis and

Design for experiments

Industrial engineering

Design for manufacture BT: Algorithms

Design for quality Design for testability **Detectors**

Design standards BT: Sensor systems and

Design tools applications

Graphics Chemical sensors RT: Demodulation Green design Nonlinear filters Integrated design Process design Readout electronics Product design NT: Envelope detectors

Prototypes Semiconductor

Technical drawing detectors Time to market

User centered design Deuterium

Virtual prototyping BT: Hydrogen

Design optimization Device chargers

BT: Optimization methods USE: Battery chargers RT: Design engineering

NT: Constraint Device drivers BT: Input-output programs optimization

Design standards

Device-to-device communication BT: Design methodology UF: D2D

Design tools BT: Communication systems

BT: Design engineering RT: Base stations Design methodology Cellular networks

Design automation RT:

Design for manufacture Dew computing

Instruments UF: Cloud-dew architecture Media Cloud-dew computing

Product design Dew servers

RT:

Computer peripherals

Visualization BT: Distributed processing Software architecture

RT: Client-server systems

USE: Design for testability Cloud computing Edge computing

Design-for-testing USE: Design for testability Dew servers

USE: Dew computing

Desktop publishing

BT: Electronic publishing DFA

> Publishing USE: Doped fiber amplifiers

> Document handling RT: DFTG

> > DFT

Office automation Page description USE: Doubly fed induction

languages generators

Text processing

USE: Discrete Fourier Detection (signal)

USE: Signal detection transforms

DGPS Detection algorithms



Design-for-test

USE: Global Positioning USE: Diamond-like carbon

System

HEMTs

DHBTs

Diamond-like carbon

DH-HEMTs UF: Diamond carbon UF:

Double heterojunction Diamond like carbon Hard amorphous carbon

BT: Amorphous materials **HFMTs** Biomedical materials RT:

Thin films

Tissue engineering

Digital Imaging and

USE: Double heterojunction bipolar transistors

Diagnosis (medical)

USE:

BT:

Diamonds

Diabetes USE: Diamond UF: Diabetic

> BT: Medical conditions

> > Medical diagnosis

DICOM Insulin pumps RT: UF:

Communications in Medicine Diabetic BT: Biomedical imaging

USE: Diabetes Digital communication

Diacs **Dictionaries**

> Information services USE: Thyristors BT:

> > Terminology Writing

Dictionary Learning

Diagnostic expert systems USE: Machine learning

BT: Expert systems RT: Failure analysis Die attach

> Fault diagnosis USF: Microassembly

Diagnostic radiography Die bonding

> BT: Radiography USE: Microassembly RT: Attenuation

Magnetic resonance Die casting

imaging BT: Casting

> Automobile manufacture Medical diagnosis RT:

X-ray detection Dies

Materials handling Diakoptics Melt processing

System analysis and Metals

Dielectric barrier discharges

Diamagnetic materials USE: Discharges (electric)

BT: Magnetic materials

Dielectric breakdown **Diamond** UF: Dielectric strength

> UF: Diamonds Voltage breakdown Electric breakdown BT: Carbon BT: RT: Dielectric measurement

Diamond carbon Insulation

USE: Diamond-like carbon Lightning Arc discharges NT:

Diamond Like carbon Discharges (electric)



design

Electrostatic BT: Dielectric measurement

discharges RT: Dielectric losses

Flashover

Glow discharges Dielectric losses

Partial discharges UF: Dielelectric loss Surface discharges BT: Dielectrics Vacuum breakdown RT: Dielectric loss

measurement

materials

Dielectric materials

UF:

Antiferroelectric

Ferroelectric

Paraelectric materials

Dielectric constant Insulation

> BT: Dielectrics RT: Capacitors Permittivity

High-k gate

dielectrics

antennas

NT:

Dielectric elastomer actuators

Dielectric elastomers

UF:

Materials BT:

Dielectric devices Ceramics RT: BT:

Dielectric devices Dielectrics RT: Dielectric materials Dielectric thin films Dielectric resonator Electrohydrodynamics Electrokinetics

Electrets NT: Capacitors materials

Ferroelectric devices Glass Piezoelectric devices

Insulation Pyroelectric devices Loaded waveguides Permittivity

Plastic insulation BT: Actuators NT: Dielectric films NT: Dielectric elastomers Dielectric liquids

> Flectrets Epoxy resins High-k dielectric Smart elastomers

BT: Dielectric elastomer materials

Piezoelectric actuators

Smart materials materials RT.

Dielectric electroactive polymer Dielectric measurement

actuators UF: Dielectric

USE: Actuators measurements

BT: Electric variables

Dielectric films measurement

> Dielectric materials BT: RT: Capacitance

> > Films measurement

RT: Planarization Dielectric breakdown

> Thick films Electromagnetic

Thin films measurements

Dielectric thin films NT: NT: Dielectric loss

> Piezoelectric films measurement

Permittivity

Dielectric liquids measurement

> Liquid insulation BT: Dielectric materials Dielectric measurements

USE: Dielectric measurement

Dielectric loss measurement

UF:



Dielectric properties Presses

> USE: Dielectrics

Dielectric resonator antennas

BT: Antennas

RT: Dielectric devices

Resonance

Dielectric strength

USE: Dielectric breakdown

Dielectric substrate

Dielectric substrates USE:

Dielectric substrates

Dielectric substrate UF:

BT: Dielectrics

Dielectric thin films

BT: Dielectric films RT: Dielectric materials

Polymer films

Semiconductor films

Dielectrics

Dielectric properties UF:

Electrical insulation

BT: Dielectrics and

electrical insulation

Dielectric constant NT:

Dielectric devices

Dielectric losses

Dielectric substrates Dielectrophoresis Electrohydrodynamics

Electrokinetics

Electrostriction

Dielectrics and electrical insulation

NT: Dielectrics

Electric breakdown

Insulation

Dielectrophoresis

BT: Dielectrics

Dielelectric loss

USE: Dielectric losses

Dies

UF: Dies (machine tools)

BT: Machine tools

RT: Cutting tools

Die casting

Dies (machine tools)

USE: Dies

Diesel engines

Internal combustion BT:

engines

RT: Automotive engineering

Difference engines

BT: Calculators

Difference equations

Equations BT:

Discrete-time systems RT:

Numerical analysis Piecewise linear

techniques

Differential algebraic equations

Differential equations BT:

Differential amplifiers

BT: **Amplifiers**

Differential equations

BT: Calculus

RT: Higher order

statistics

Integrodifferential

equations

Numerical analysis Predator prey systems Stability analysis Time invariant systems

Differential algebraic

NT: equations

Navier-Stokes

equations

Partial differential

Transfer functions

Differential gears

Differential GPS

USF: Gears

USE: Global Positioning

System

equations

Differential phase shift keying

DPKS



Differential phase-BT: Semiconductor device

processes

shift keying manufacture

> Brownian motion BT: Phase modulation RT:

Differential phase-shift keying

Differential phase

shift keying

Differential privacy

BT: Data privacy

Statistics

RT: Data protection

Information security

Privacy

Differential quadrature phase shift

keying

BT: Quadrature phase shift

keying

Differentiated services networks

Diffserv networks USE:

Diffraction

UF: Wave diffraction

BT: Interference

RT: Bragg gratings

Crystallography Fourier transforms X-ray detection

Diffraction gratings

BT: Optical diffraction

RT: Bragg gratings

DiffServ

USE: Diffserv networks

Diffserv networks

UF: DiffServ

Differentiated

services networks

BT: Computer networks

Distributed computing

Internet RT:

Multimedia

communication

Diffusion bonding

BT: Bonding processes

> RT: Ceramics

Diffusion processes

Buffer layers

Charge carrier

Image denoising

Image processing Stochastic processes

NT: Electromigration

Diffusion tensor imaging

UF: DT-MRI

DTI

Diffusion tensor

magnetic resonance imaging

BT: Magnetic resonance

imaging

RT: Brain

Diffusion tensor magnetic resonance

imagina

USF: Diffusion tensor

imaging

Digestive system

BT: **Anatomy**

RT: Endomicroscopy

NT: Colon

Esophagus Gallbladder

Gastrointestinal tract

Intestines Liver Mouth

Pancreas Pharynx Stomach Tongue

Digital age

USE: Information age

Digital alloys

BT: Metals

Digital arithmetic

UF: Computer arithmetic

BT: Arithmetic RT: Calculators

Coprocessors

Digital art

BT: Art



Digital audio broadcasting

Digital audio UF:

broadcasts

Podcast

BT: Broadcasting

Digital communication

RT: Audio systems

Portable media players

NT: Digital Radio Mondiale

Digital audio players

Digital audio broadcasts

USE: Digital audio

broadcasting

Digital audio players

UF: MP3

BT: Digital audio

broadcasting

Digital camera

USE: Digital cameras

Digital cameras

UF: Digital camera

BT: Cameras

RT: Digital photography

Digital circuits

Circuits BT:

RT: Digital computers

Logic circuits Pulse circuits

Switching circuits

NT: Circuit topology

Digital integrated

circuits

Digital communication

UF: Digital radio

BT: Communication systems

RT: Bluetooth

Data communication

Digital recording

Musical instrument

digital interfaces

NT:

Synchronous digital

hierarchy

TCPIP

Teleprinting

Baseband

DTCOM DSI

Digital audio

Digital images

Digital multimedia

broadcasting

broadcasting

Digital video

broadcasting

ISDN Passband

Portable media players

SONET

Spread spectrum

communication

Digital computers

BT: Computers

RT: Digital circuits Digital systems

Digital-analog

conversion

Parallel processing

Programming Turing machines

Mainframes NT:

Digital control

UF: Computer control BT: Control systems RT: Computer numerical

control NT:

Programmable control

Digital currency

USE: Online banking

Digital divide

BT: Sociology

RT: Cultural differences

Economics

Ethical aspects Gender issues Social factors

Social implications of

technology

Digital elevation modeling

USE: Digital elevation

models

Digital elevation models

UF: Digital elevation

modeling

Digital terrain model



Digital terrain BT: Modulation

modeling

Digital terrain models

BT: Modeling

Terrain mapping

Digital factories

USE: Virtual manufacturing

Digital filters

BT: **Filters**

RT: Frequency response Line enhancers Optical resonators Transversal filters

NT: Finite impulse

response filters

Digital forensics

BT: Forensics

Digital image

USE: Digital images

Digital images

UF: Digital image

Digital imaging

BT: Digital communication

NT: Pixel

Digital imaging

USE: Digital images

Digital Imaging and Communications in

Medicine

USE: DICOM

Digital integrated circuits

Digital circuits BT:

Integrated circuits

RT: Adders

Logic circuits

Multiplying circuits

Digital magnetic recording

BT: Magnetic recording

Digital microfluidic biochips

BT: Biochips

Digital micromirror devices

USE: Micromirrors

NT: Constellation diagram

Partial response

signaling

Digital multimedia broadcasting

UF: DMB

Digital multimedia

broadcasts

BT: Broadcasting

Digital communication

RT: Convolutional codes

Digital TV

Land mobile radio

cellular systems

MPEG 4 Standard MPEG 7 Standard MPEG standards Multimedia

communication

Radio broadcasting Video on demand

Digital multimedia broadcasts

USE: Digital multimedia

broadcasting

Digital photography

BT: Photography

RT: CCD image sensors

Cameras

Digital cameras Transform coding

Digital preservation

BT: Digital systems

Information management

RT: Data integrity

Digital printing

Printing BT: RT: Publishing

Digital publishing

USE: Electronic publishing

Digital radio

USE: Digital communication

Digital Radio Mondiale

BT: Digital audio

broadcasting

Digital recording



Digital modulation

BT: Recording

RT: Digital communication Digital subscriber lines

Digital systems USE: DSL

Digital relays Digital subscriber Loops

BT: Relays USE: DS

Digital rights management Digital systems

BT: Intellectual property BT: Computers and

RT: Computer crime information processing

Software protection RT: Communication systems

networks

networks

NT:

USE:

USE:

Computational and

Cryptocurrency

TSDN

Internet

Digital computers Digital recording

Persistent identifiers

Personal communication

Digital preservation Digital storage

Local area networks

Metropolitan area

Token networks

Virtual artifact

Digital elevation

Digital elevation

Digital sequences artificial intelligence

USE: Sequences Consumer electronics

Digital signal processing

UF: DSP

BT: Signal processing

RT: Aerospace and

electronic systems

Digital TV

Fast Fourier

transforms

OFDM

NT: Delta modulation

Digital signal

processing chips

Digital signal processing chips

BT: Digital signal

BI: Digital Signal

processing Digital terrain model

USE: Digital elevation

Digital signal processors models

BT: Circuits

RT: Signal processing Digital terrain modeling

al signatures models

Digital signatures

BT: Security

RT: Message authentication Digital terrain models

Message systems

models

Digital simulation

BT: Simulation Digital to analog conversion

RT: Computer aided USE: Digital-analog

analysis conversion

Modeling

Power system analysis Digital to analog converters

computing USE: Digital-analog

NT: Discrete event conversion

simulation

Digital TV

Digital storage BT: TV

BT: Digital systems RT: Digital multimedia

Storage management broadcasting



Digital signal USE: Digital-analog

processing conversion

HbbTV Standards

NT: HDTV Digital-analogue conversion
IPTV USE: Digital-analog

conversion

Digital versatile discs
USE: DVD Digital-analogue converters

USE: Digital-analog

Digital video broadcasting conversion

Digital video

broadcasts

BT: Broadcasting

Digital-controlled oscillators

BT: Oscillators

Broadcasting BT: Oscillators Digital communication

Digital-to-analog conversion

Digital video broadcasts USE: Digital-analog

USE: Digital video conversion

broadcasting

Digital-to-analog converters

Digital video discs USE: Digital-analog

USE: DVD conversion

Digital watermarking Digital-to-frequency converters

USE: Watermarking BT: Converters

Digital-analog Dike

USE: Digital-analog USE: Levee

conversion DIL

Digital-analog conversionUF: D/A

USE: Electronics packaging

UF: D/A
D/A conversion Dimension reduction

D/A converters USE: Dimensionality

Digital to analog reduction

conversion

Digital to analog

Dimensionality reduction

converters UF: Dimension reduction

Digital-analog BT: Information retrieval

Digital-analog Machine learning

converters Statistics

conversion **Dinosaurs**

Digital-analogue

Digital-analogue BT: Animals

converters
Digital-to-analog
Diode lasers

conversion UF: Laser diodes

Digital-to-analog BT: Diodes

converters Lasers
BT: Data conversion

RT: Digital computers **Diodes**Interpolation BT: Electronic components

Voltage multipliers

rters

RT: Breakdown voltage

Digital-analog converters RT: Breakdown voltage Optical transmitters



Semiconductor diodes BT: Graph theory Diode lasers RT: Blockchain

DIP Direction of arrival

> USE: Electronics packaging USE: Direction-of-arrival

> > estimation

Dip coating

NT:

BT:

Direction of arrival estimation BT: Coatings

> USE: Direction-of-arrival

Dipole antennas estimation

Antennas

Direction-finding

Direct broadcast satellites USE: Navigation

Satellite broadcasting USE: Direction-of-arrival estimation

Bearing estimation Direct current generators UF:

> DOA estimation USE: DC generators Direction of arrival

Direct current machines Direction of arrival USE: DC machines estimation

Estimation of the direction of arrival Direct current motors

DC motors Parameter estimation USF: BT:

RT: Array signal

Direct sequence CDMA processing

USE: Direct-sequence code-Position measurement Spectral analysis division multiple access

Time of arrival

Direct sequence code division multiple estimation

access

Direct-sequence code-USE:

Directional antennas division multiple access BT: **Antennas**

Direct sequence spread spectrum Directional couplers

communication BT: Couplers Hybrid junctions

BT: Radio spectrum RT: management

Directive antennas Bandwidth RT: Modulation BT: Antennas

Direct-sequence CDMA Disaster and recovery

Direct-sequence code-USE: USE: Disaster management

division multiple access

Multiaccess

Disaster management Direct-sequence code-division multiple

UF: Disaster and recovery access Disaster planning

Contingency management BT:

UF: Direct sequence CDMA Direct sequence code

division multiple access Disaster planning

> Direct-sequence CDMA USE: Disaster management

communication Discharge lamps

BT: Lamps

Directed acyclic graph

BT:



High intensity Finite impulse NT: RT:

discharge lamps response filters

Discrete-event systems Discharges (electric)

UF: Dielectric barrier discharges

Gas discharges

Ozone generators Ozonizers

BT: Dielectric breakdown

RT: Electrostatic

processes

Gas discharge devices

Gases Ionization Plasmas

Discrete cosine transforms

UF: DCT

BT: Discrete transforms

RT: Chebyshev

approximation

Discrete element method

USE: Finite element

analysis

Discrete event simulation

Digital simulation BT: Time warp simulation

Discrete event systems

USE: Discrete-event systems

Discrete Fourier transforms

UF: DFT

BT: Fourier transforms RT: Signal processing

Discrete Fournier transforms

USF: Discrete transforms

Discrete time systems

USE: Discrete-time systems

Discrete transforms

UF: Discrete Fournier

transforms

BT: Transforms

Discrete cosine

transforms

Discrete wavelet transforms

Wavelet transforms

UF: Discrete event systems

BT: Signal analysis Control systems RT: Manufacturing Petri nets

Production systems

Discrete-time systems

UF: Discrete time systems

BT: Time factors

RT: Asymptotic stability

Control systems Difference equations

NT: Sampled data systems

Discussion forums

BT: Collaboration

Diseases

diseases

virus

Medical conditions BT: RT:

Medical diagnosis

Metastasis

NT: Acquired immune

deficiency syndrome

Alcoholism Arteriosclerosis

Arthritis

Bacterial infections

Bone diseases

Cancer

Cardiovascular

Degenerative diseases

Dementia

Epilepsy

Human immunodeficiency

Infectious diseases

Influenza

Multiple sclerosis Neurological diseases Parasitic diseases Parkinson's disease

Pathogens

Retinopathy

Disk drives

BT: Computer peripherals

RT: Disk recording



Perpendicular magnetic Display systems

recording Displays BT:

Disk recording Displays

> BT: Recording BT: Optical devices RT: Disk drives RT: Character generation

> > Graphics

Thin film transistors Disks (structures)

> User interfaces Active matrix

Dismissal (employment) technology

Termination of USF:

employment

Structural discs

Dispatching

Object oriented BT:

programming

Materials handling RT:

Dispersed power generation

USE: Distributed power

generation

Dispersion

USE:

UF: Dispersion effect

> Dispersion measurement Dispersion relations

Dispersive

Signal processing BT:

Refractive index RT: Chromatic dispersion NT:

Optical fiber

dispersion

Dispersion effect

USE: Dispersion

Dispersion measurement

Dispersion USE:

Dispersion relations

USE: Dispersion

Dispersive

USE: Dispersion

Displacement control

BT: Mechanical variables

control

Displacement measurement

BT: Mechanical variables

measurement

Cathode ray tubes

NT:

Display systems Flat panel displays Head-mounted displays

Head-up displays

Computer displays

Liquid crystal devices

Microdisplays

Readout electronics Three-dimensional

displays

Two dimensional

displays

Disruption tolerant networking

Computer network

management

Disruptive innovation

BT: Business RT: Disruptive

technologies

Entrepreneurship Market opportunities

Technological

innovation

Disruptive technologies

BT: Technology

RT: Disruptive innovation Market opportunities

Technological

innovation

Dissolved air flotation

USE: Wastewater treatment

Dissolved gas analysis

BT: Fault diagnosis

Distance

USE: Distance measurement



Distance learning Total harmonic NT:

Learning (artificial distortion

intelligence)

RT: Adaptive learning Distrbuted control

> Mobile learning USE: Decentralized control

> > USE:

Distributed algorithms Distance measurement

> UF: Distance BT: Algorithms

> > Ranging

BT: Measurement Distributed amplifiers RT: Micrometers BT: **Amplifiers**

Position measurement

NT: Euclidean distance Distributed antennas

Distance relays

RT:

USE:

Protective relaying Distributed Bragg reflectors USE:

UF: Distillation columns BT: Mirrors

> USE: Distillation equipment RT: Integrated optics

Vertical cavity

Antenna arrays

Distillation equipment surface emitting lasers

Distillation columns UF: BT: Distributed computing Chemical technology

Computers and BT:

Distortion information processing

Distortion information IIF · RT: Computer networks BT: Signal processing Concurrency control

Delay effects Data communication Distortion measurement Distributed ledger Image restoration Local area networks

Interference Metropolitan area

Noise networks

Rate distortion theory Mobile agents

Signal restoration Multiprocessing

NT:

Acoustic distortion systems

Four-wave mixing Semantic Web Jitter Software agents

Nonlinear distortion Software architecture

NT: Client-server systems Phase distortion

Cluster computing Distortion information Collaborative work Distortion Diffserv networks Distributed databases

Distortion measurement Distributed

information systems UF: Acoustic distortion

measurement Internet

Electric distortion Metacomputing

measurement Peer-to-peer computing Optical distortion

measurement Distributed databases

BT: Measurement BT: Databases

RT:

Distortion Distributed computing Noise measurement RT: Concurrency control

Distributed ledger



NoSQL databases

Distributed decision making

BT: Decision making

Distributed denial-of-service attack

UF: DDoS

BT: Denial-of-service

attack

RT: Botnet

Computer crime

Distributed feedback devices

UF: Distributed feedback

lasers

BT: Laser applications

RT: Feedback circuits

Optical feedback

Distributed feedback lasers

USE: Distributed feedback

devices

Distributed generation

USE: Decentralized control

AND

Distributed power

generation

Distributed information systems

BT: Distributed computing

Information systems

NT: Distributed management

Publish-subscribe

Distributed ledger

UF: DLT

Shared ledger

BT: Online banking RT: Blockchain

Cryptocurrency

Distributed computing

Distributed databases

Peer-to-peer computing

Distributed management

BT: Distributed

information systems

Management

RT: Collaborative

intelligence

Distributed management task force

USE: DMTF

Distributed modeling

USE: Decentralized control

Distributed parameter circuits

UF: Nonuniform

transmission lines

Transmission line

circuits

BT: Circuits

RT: Microwave circuits

Millimeter wave

circuits

Transmission lines

Distributed parameter systems

BT: Decentralized control

Distributed power generation

UF: Dispersed power

generation

Distributed generation

Embedded power

generation

BT: Power generation

RT: Hybrid power systems

Microgrids Vehicle-to-grid

Distributed processing

UF: Volunteer computing

BT: System analysis and

design

RT: Cluster computing

Crowdsourcing Software defined

networking

NT: Dew computing

Edge computing Message passing

Distributed vision networks

UF: Distributed vision

processing

BT: System analysis and

design

RT: Computer vision

Embedded computing
Smart cameras

Wireless sensor

networks

Distributed vision processing



USE: Distributed vision UF: Distributed management

networks task force

> RT. Standards

Distribution functions organizations BT: Statistical

distributions Probability RT:

Probability density

function

Distribution of electric power

Power distribution USF:

Distribution strategy

Marketing management BT:

Disturbance observers

BT: **Observers**

RT: Adaptive control

Robust control

Diversity gain

USF: Diversity methods

Diversity methods

UF: Diversity gain BT: Transmitters RT:

Fading channels Multipath channels

Radio communication

Diversity reception

BT: Signal resolution

SIMO communication RT:

SISO communication

Telecommunications

Diversity schemes

Telecommunication BT:

network reliability

RT: Fading channels

Interference

Diving equipment

USE: Underwater equipment

DLT

USE: Distributed ledger

DMB

USE: Digital multimedia

broadcasting

DMTF processing

DMTF Standards

Standards publications BT:

Common Information RT:

Model (computing)

DNA

BT: Genetics

RT: Biological cells

Biological information

theory

Cloning

DNA computing

Genetic communication Molecular biophysics

NT: Genetic mutations

DNA computing

Computers and BT:

information processing

Nanobioscience

RT:

Molecular computing

DOA estimation

Direction-of-arrival USF:

estimation

Docking stations

USE: Computer interfaces

Doctor

USE: Medical services

Document delivery

BT: Information services

NT: Ask IEEE

Document handling

BT: Data handling

Information management

Content management RT:

> Desktop publishing Information retrieval

Office automation

Publishing Semantic Web Text processing

NT: Document image



Portable document Consumer products

format Electrical safety

Occupational health Occupational safety Smoke detectors

Document image processing Occupation
BT: Document handling Smoke dete

format

Doped fiber amplifiers

UF: DFA

Documentation BT: Optical amplifiers

UF: Computer documentation

Software documentation **Doping**BT: Writing BT:

BT: Writing BT: Materials preparation RT: Engineering drawings RT: Semiconductor device

Manuals doping
Software Silicon devices

NT: Point of care NT: Doping profiles

DoD Doping profiles

USE: US Department of BT: Doping
Defense RT: Optimization

Thin film devices

USE: US Department of Doppler

Portable document

Energy USE: Doppler effect

Dogs Doppler effect

BT: Animals UF: Doppler BT: Waves

Dolphins RT: Doppler measurement

BT: Marine animals Doppler radar
NT: Doppler shift

Domain Name System
BT: Computer networks Doppler measurement

BT: Measurement

Domain specific languages RT: Doppler effect

UE: Domain-specific Doppler radar

UF: Domain-specific Doppler radar languages Frequency measurement

BT: Specification Motion measurement languages Velocity measurement

Domain-specific Languages Doppler radar

USE: Domain specific BT: Radar

languages RT: Doppler effect Doppler measurement

Domestic appliances

USE: Home appliances

Doppler shift

BT: Doppler effect

Domestic induction appliances

USE: Home appliances DoS attack

USE: Computer crime AND

omestic safetv Denial-of-service

Domestic safetyUF: Safety in the home attack

Denial-of-service

BT: Safety

RT: Accidents **Dosimetry**



RT:

DoE

UF: Radiation dosimetry

BT: Measurement RT: Collimators

Neutron capture

therapy

Phantoms

Radiation detectors Radiation monitoring Radiation protection

DOT

USE: US Department of

Transportation

Double gate FETs

USE: Double-gate FETs

Double heterojunction bipolar transistors

UF: DHBTs

BT: Heterojunction bipolar

transistors

Double heterojunction HEMTs

USE: DH-HEMTs

Double-gate FETs

UF: Double gate FETs

BT: Field effect

transistors

Silicon-on-insulator RT:

Doubly fed induction generators

UF: DFIG

BT: Induction generators

Wind turbines RT:

Downlink

Satellite BT:

communication

Land mobile radio

cellular systems

DP industry

USE: Computer industry

DPKS

Drag

USE: Differential phase

shift keying

BT: Fluid dynamics

RT: Friction Drain avalanche hot carrier injection

Drain avalanche hot-

carrier injection

BT: Hot carrier injection

Drain avalanche hot-carrier injection

Drain avalanche hot USF:

carrier injection

DRAM

USE: DRAM chips

DRAM chips

DRAM UF:

BT: Random access memory

Drift velocity

USE: Electron mobility

Drilling

UF: Drilling (machining)

BT: Machining RT: Boring Deburring

> Drilling machines Geoengineering Oil drilling

Drilling (machining) USF:

Drilling machines

BT: Machine tools RT: Drilling

Drilling

Drilling oil

USE: Oil drilling

Driver circuits

BT: Circuits

RT: Power transistors

Driver free automobiles

USE: Autonomous automobiles

Driver free cars

USE: Autonomous automobiles

Driver-free car

USE: Autonomous automobiles

Driverless automobiles

USE: Autonomous automobiles



Driverless cars USF: Dedicated short range

USE: Autonomous automobiles communication

Drives DT-MRI

> BT: Machinery USE: Diffusion tensor

Mechanical power RT: imaging

transmission Sensorless control DTI

> Diffusion tensor Torque converters USE:

NT: Hydraulic drives imaging

Motor drives Variable speed drives Dual band

UF:

Dual-band Dualband **Drones**

BT: Unmanned aerial Mobile communication BT:

vehicles RT:

Mobile handsets Drug delivery Roaming

UF: Drug delivery systems BT: Biomedical engineering Dual inline packaging

NT: Targeted drug delivery USE: Electronics packaging

Dual-band Drug delivery systems

Drug delivery USE: Dual band USE:

Dualband Drugs

> BT: Pharmaceuticals USE: Dual band

RT: Biochemistry

> Chemical analysis Ducts

BT: Structural shapes Chemistry Chemotherapy RT: Air conditioning

Molecular biomarkers Vents

NT: Antibiotics

Antidepressants Dusty plasma

Aspirin USE: Dusty plasmas Cancer drugs

Insulin Dusty plasmas

UF: Dusty plasma Dry etching BT: Plasma properties

BT: Etching

DVD DSL UF: DVD-ROM

UF: Digital subscriber Digital versatile

lines discs

Digital video discs Digital subscriber

BT: Video coding loops BT: RT: Video recording

Digital communication

DVD-ROM DSP

USE: Digital signal USE: DVD processing

Dynamic algorithms

DSRC USE: Heuristic algorithms



Dynamic compiler UF: Dyno

> BT: Runtime BT: Force measurement

> > Meters

USE:

BT:

NT:

Dysprosium compounds

BT:

USF:

USE:

USE:

USE:

USE:

USF:

USE:

Dysprosium

Power measurement

Chemical elements

Dysprosium compounds

Electronic commerce

Electronic government

Electronic medical

Electronic learning

Electronic publishing

Electronic mail

Online banking

Dynamometers

Dysprosium

Torque measurement

Dynamic equilibrium

BT: Measurement techniques

NT: Steady-state

Dyno Dynamic program analysis

> USE: Performance analysis

Dynamic programming

BT: Algorithms

> RT: Markov processes

Neural networks

Viterbi algorithm

Dynamic range E health

> BT: Measurement USE: Electronic healthcare

Dynamic scheduling E learning

> BT: Scheduling USE: Electronic learning

> > E-books

E-currency

E-government

records

E-mail

E-learning

E-publishing

Dynamic service delivery E-banking

> USE: Network resource USE: Online banking

management

Dynamic spectrum access USE: Electronic publishing

BT: Radio transceivers

Telecommunication RT: E-commerce

network topology

Wireless communication

Dynamic voltage scaling

UF: Self-dynamic voltage

scaling

BT: Computer architecture

Voltage

E-health records **Dynamics**

> Mechanical factors BT:

RT: Control theory

Force

NT:

Friction

Vibrations

Aerodynamics

Elastodynamics

Electrodynamics

Hydrodynamics

Magnetohydrodynamics

E-reader

USE: Generators USE: Electronic publishing

Dynamometers E-voting



Dynamo

USE: Electronic voting Seismology

NT: Earthquake engineering

E-waste

Ear

USE: Electronic waste Eavesdropping

UF: Cyber eavesdropping

Electrocardiography

Cybereavesdropping
BT: Head BT: Privacy

: Head BT: Privacy
Sense organs RT: Computer security

RT: Cochlear implants

ECC

EAROM USE: Elliptic curve

USE: EPROM cryptography AND

Error correction codes

Earphones

USE: Headphones *ECCM*

USE: Electronic

Earth countermeasures

BT: Geoscience Planets *ECG*

RT: Geophysics

Remote sensing

Soil Echo cancellation

Terrain factors USE: Echo cancellers

USE:

Echo cancellers

Terrain mapping

Earth atmosphere UF: Echo cancellation

USE: Terrestrial atmosphere BT: Active noise reduction

Earth observation system Echo interference

USE: Earth Observing System BT: Interference

RT: Clutter

Earth Observing System TV interference UF: EOS

Earth observation Echocardiography

system UF: ECHOEG

BT: Artificial satellites BT: Cardiography

Observers

NT: Global Earth ECHOEG

Observation System of Systems USE: Echocardiography

Earth science ECM

USE: Geoscience USE: Electronic

countermeasures

earthing

USE: Grounding Eco design

USE: Ecodesign

Earthquake engineering

UF: Seismic retrofitting *Eco-design*

BT: Earthquakes USE: Ecodesign

RT: Seismology

Ecodesign Earthquakes U

uakesUF:Eco designBT:GeoscienceEco-designRT:Seismic wavesBT:Green design



RT: Energy conservation Econometrics

Environmental factors Economic indicators Electronic commerce

Ecology Environmental

BT: Environmental factors economics

Exchange rates
Fuel economy

USE: Electronic commerce International trade
Macroeconomics
Econometrics Microeconomics
BT: Economics Monopoly

RT: Costs Oligopoly
Cybernetics Power generation

Mathematics economics

Profitability Profitability

Regression analysis Sharing economy
Statistics Stock markets
Economic forecasting Supply and demand

Economic forecasting
BT: Econometrics

Trade agreements

Venture capital

Virtual enterprises

Forecasting
RT: Economic indicators Economies of scale

BT: Microeconomics

Economic indicators RT: Industrial economics

UF: Cost of living index

Cost-of-living index **Econophysics**GDP BT: Cybernetics

GNP RT: Cybernetics

Cybernetics

RT: Chaos

Gross domestic product Complexity theory
Gross national product Economics

Harmonised index of Fractals

consumer prices

Harmonized index of

consumer prices

Information theory

Knowledge acquisition

Nonlinear dynamical

Index of production systems

Interest rates Philosophical

RPI considerations

Retail price index Science - general

BT: Economics

RT: Economic forecasting **Ecosystems**

Exchange rates BT: Environmental factors NT: Share prices RT: Low-carbon economy

NT: Wetlands

Economics
BT: Engineering management EDA

RT: Bankruptcy USE: Electronic design

Commercial law automation and methodology

Cost accounting
Digital divide Eddy current Losses

Econophysics USE: Eddy currents

Finance

Planning Eddy current testing

NT: Costs BT: Eddy currents



NT:

RT: Finite element Open Educational

analysis Resources

Eddy currents **Educational institutions**

UF: Eddy current losses UF: Colleges BT: Electromagnetic Schools Universities induction

Education RT: Magnetic losses BT:

NT: Eddy current testing Educational programs

EDFA BT: Education

USE: Erbium-doped fiber RT: Curriculum development

amplifiers Education courses NT: Accreditation

Edge computing Continuing education

UF: Fog computing Pre-college

BT: Application engineering

virtualization STEM

> Distributed processing Scholarships

RT: Cloud computing Self-study courses

Computer applications Seminars **Tutorials** Dew computing

Mobile computing Wireless sensor **Educational robots**

networks BT: Robots

RT: Engineering education Edge detection

USE: Image edge detection Educational technology

UF: Audio-visual

instructional aids **FDTV**

> **HDTV** USE: Instructional aids

Programmed instruction

Education BT: Education

> UF: Inverted classroom RT: Audio-visual systems

Reverse teaching Visualization Teaching NT: Computer aided

RT: Personnel instruction

NT: Adaptive learning Courseware

> Career development Electronic learning Education courses

Educational EEG

institutions USE: Electroencephalography

> Educational programs Educational technology **EEPROM**

Engineering education USE: **EPROM**

Training

Effective mass

Education courses BT: Energy states

BT: Education

Computer aided **EFFF** Field-flow USE: instruction

Educational programs fractionation

STEM NT: Curriculum development **Effluents**

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Page 151

RT:

BT: Waste materials **Elastodynamics**

RT: Flue gases BT: Dynamics Industrial waste RT: Seismic waves **Vibrations**

Waste disposal Waste management

Water pollution

Elastography

Elbow

BT: Biomedical imaging

Ehealth

USE: Electronic healthcare

> BT: Extremities

Eigenfunctions

USE: Eigenvalues and Elderly

eigenfunctions Senior citizens USE:

Eigenfunctions and eigenvalues Elearning

> Eigenvalues and USE: USE: Electronic learning

eigenfunctions

Electrets

Eigenplaces BT: Dielectric materials

USE: Eigenvalues and RT: Capacitors eigenfunctions

Ceramics

Dielectric devices

Eigenvalues

EKG

Eigenvalues and USE: Electric admittance

eigenfunctions USE: Admittance

Electric ballast Eigenvalues and eigenfunctions

UF: Eigenfunctions USE: Electronic ballasts

Eigenfunctions and

Electric breakdown eigenvalues

> UF: Eigenplaces Breakdown Eigenvalues BT: Dielectrics and

BT: Mathematics electrical insulation RT:

Functional analysis RT: Aging

Linear algebra Fault currents

Vectors NT: Avalanche breakdown

Corona

Dielectric breakdown

Electrocardiography USE: Sparks

Elastic computing Electric characteristics

> Electric variables BT: Cloud computing USE:

> > Resource management Electric coils

Elastic optical networks USE: Coils

USE: Optical fiber networks

Electric condensers

Elastic recovery USE: Capacitors

BT: Materials testing

Elasticity USE: Conductivity

BT: Material properties

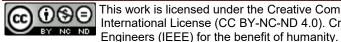
RT: Strain Electric current

USE: Current

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Electric conductivity

Page 152



Electric current control

BT: Current control
RT: Power control
Power transmission

Voltage control

NT: Power factor

correction

Shunts (electrical)

Electric current measurement

USE: Current measurement

Electric distortion measurement

USE: Distortion measurement

Electric fences

BT: Electric machines

Electric field

USE: Electric fields

Electric fields

UF: Electric field

BT: Electromagnetic fields RT: Electrohydrodynamics

Electrokinetics

Electrostatic analysis

Electrostatic

processes

Maxwell equations

Synchrotrons

NT: Acoustoelectric

effects

Casimir effect

Nonuniform electric

fields

Electric generators

BT: Generators RT: Nanogenerators

Electric heating
USE: Resistance heating

Electric impedance

USE: Impedance

Electric machines

BT: Machinery

RT: Windings

NT: AC machines

Alternators

Brushless machines

Compressors

Conductors DC machines Electric fences

Generators

Permanent magnet

machines

Rotating machines

Rotors Stators

Washing machines

Electric motors

BT: Motors

NT: Planar motors

Electric potential

BT: Electric variables

Electric power

USE: Power electronics AND

Power systems

Electric resistance

UF: Electrical resistivity

BT: Resistance

Electric sensing devices

BT: Sensor systems and

applications

Electric shock

UF: Shock

BT: Bioelectric phenomena

RT: Accidents

Electrical accidents

Grounding

Occupational health Occupational safety

Safety

Electric stimulation therapy

USE: Electrical stimulation

Electric utilities

USE: Electricity supply

industry AND

Power industry

Electric variables

UF: Current voltage

characteristics

Electric

characteristics



Electrical Phase measurement

measurement

measurement

measurement

measurement

measurements

units

characteristics

BT: Instrumentation and

measurement

Electric variables RT:

control

Electric variables

Capacitance-voltage

measurement

Frequency

NT: Admittance

Capacitance

characteristics

Conductivity

Current

Current-voltage

characteristics

Electric potential

Gain Impedance

Impedance matching

Inductance

Permittivity

Piezoresistance

0-factor Resistance Voltage

Wiring

Electric variables control

BT: Power engineering and

energy

Electric variables RT:

Frequency control Phase control

Regulators

NT: Current control

> Gain control Power control

Power system control

Reactive power control

Voltage control

Electric variables measurement

BT: Measurement

RT: Electric variables

Electromagnetic

measurements

Frequency measurement

Gain measurement

Integrated circuit

measurements

Noise measurement

Oscilloscopes

Pulse measurements

Transducers

NT: Admittance measurement

Ammeters

Attenuation

Capacitance

measurement

Conductivity

Current measurement

Dielectric measurement

Electrical resistance

Electrostatic

measurements

Energy measurement

Impedance measurement Inductance measurement

Partial discharge

Phasor measurement

Power measurement Q measurement

Transmission line

Voltage measurement

Electric vehicle charging

UF: EV charging

BT: Battery chargers

Electric vehicles

Electric vehicles

BT: Land vehicles RT: Charging stations

NT: Battery powered

vehicles Electric vehicle

charging

Fuel cell vehicles

Hybrid electric

Solar powered vehicles

Vehicle-to-grid

Electrical accidents

BT: Accidents

RT: Bioelectric phenomena

Electric shock

Electrical safety



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vehicles

Electrical appliances Electricity supply

SE: Electrical products industry

Electronics industry

Electrical ballast

USE: Electronic ballasts

Electrical ballasts

BT: Current control

Lighting

RT: High intensity

discharge lamps

Inductors Resistors

Electrical brain stimulation

USE: Electrical stimulation

Electrical capacitance tomography

BT: Tomography

Electrical characteristics

USE: Electric variables

Electrical conductivity

USE: Conductivity

Electrical double layer capacitors

USE: Supercapacitors

Electrical engineering

BT: Engineering - general

RT: Engineering profession

Research and

development

NT: Electrical engineering

computing

Electrical engineering computing

BT: Electrical engineering

RT: Computer applications

Electrical engineering education

BT: Engineering education

NT: Electronics

engineering education

Electrical engineering industry

BT: Industries

Electrical equipment industry

BT: Power industry

RT: Electrical products

industry

Electrical fault detection

BT: Circuit faults

Electrical insulation

USE: Dielectrics

Electrical products

UF: Electrical appliances

BT: Electrical products

industry

Manufactured products

RT: Consumer products
NT: Washing machines

Electrical products industry

BT: Manufacturing

industries

RT: Electrical equipment

industry

Electronics industry

NT: Electrical products

Electrical resistance measurement

UF: Ohmmeters

BT: Electric variables

measurement

RT: Resistance

Electrical resistivity

USE: Electric resistance

Electrical safety

BT: Power system

protection

RT: Domestic safety

Electrical accidents

Islanding

Partial discharge

measurement

NT: Fault protection

Grounding

Electrical stimulation

UF: Electric stimulation

therapy

Electrical brain

stimulation

Microelectronic

stimulation



Spinal cord Electricity supply

RT:

NT:

Power system economics

Power markets

stimulation industry privatisation

BT: Medical treatment Electricity supply

industry privatization

Electrically alterable read only memory BT: Electricity supply

USE: **EPROM** industry

Power generation Electrically erasable programmable read economics

only memory

USE: **EPROM**

Electricity Electricity supply industry

> Science - general liberalisation BT:

USE: NT: Photoelectricity Electricity supply

Piezoelectricity industry deregulation Pyroelectricity

Thermoelectricity Electricity supply industry

Triboelectricity liberalization

USE: Electricity supply

Electricity grids industry deregulation USE: Power grids

Electricity supply industry Electricity market

privatisation

USE: Electricity supply Electricity supply USE:

industry industry deregulation

Electricity markets Electricity supply industry

USF: Power markets privatization

Electricity supply USE:

Electricity supply industry industry deregulation Electric utilities UF:

Electricity market Electricity trading

Power supply industry USE: Power markets BT: Power industry

RT: Electrical equipment Electro hydraulics

industry USE: Electrohydraulics

Power demand Power distribution

Electro oculography Electrooculography Power quality USE: Power system faults

Power system planning Electro-chromic devices

Electrochromic devices Power system USE:

Public infrastructure Electro-fluid dynamics

Electrohydrodynamics NT: Electricity supply USE:

industry deregulation Electro-oculography

Electricity supply industry USE: Electrooculography

deregulation

UF: Electricity supply Electro-optic deflectors industry liberalisation USE: Electrooptic

Electricity supply deflectors

Electro-optic devices



industry liberalization

restoration

USE: Electrooptic devices Electrochemical machining

Electrolytic machining UF:

BT: Electro-optic effects Machining

USE: Electrooptic effects RT: Micromachining

Electro-optic modulators Electrochemical processes

USF: Electrooptic UF: Electrolysis

BT: Industry applications modulators RT: Chemical industry

Electro-osmosis Electrochemical

BT: Osmosis devices

Electrochemical

Electroacoustic devices impedance spectroscopy

Acoustoelectric USE: Electrolytes

devices

Electrochromic devices Electro-chromic Electroacoustic effects UF:

Acoustoelectric devices

effects

Electrooptic devices RT: Electrochromism

Electroactive polymer actuators

Electrochromism USE: Actuators

Electrooptic effects BT:

RT: Color Electroactive polymers

Polymers Electrochromic devices USE:

BT:

Electrobiology Electrodeless lamps

USE: Bioelectric phenomena BT: Lamps

Electrocardiography Electrodes

> UF: ECG Electronic components BT:

EKG RT: Air gaps

BT: Cardiography Electron emission RT: Biomedical equipment Electron tubes Metal-insulator

Electrochemical devices

BT: Industry applications Spark gaps

Electrochemical Anodes RT: NT: Cathodes

processes

Power engineering and Microelectrodes

energy

Electrodynamics Synapses

> NT: Amperometric sensors BT: Dynamics

Batteries Waves

Electromagnetic fields Battery management RT:

structures

Electron beams Fuel cells Electron optics Supercapacitors Electron tubes

Ion beams

Electrochemical impedance spectroscopy Particle beam optics BT: Spectroscopy NT: Electromagnetic wave

RT: Electrochemical polarization

processes

Electroencephalography



systems

UF: EEG Conducting materials BT: RT: Electrochemical

BT: Biomedical measurement RT: Bioelectric phenomena

Biomedical equipment

Brain

Electrooculography

Electro hydraulics

Hydraulic systems

Medical diagnosis

Electrolytic machining

USF: Electrochemical

machining

processes

Electrofluid dynamics

Electrohydraulics

UF:

BT:

RT:

USE: Electrohydrodynamics

Fluid flow

Liquids

Electromagnetic analysis

BT: Electromagnetics

RT: Electrostatic analysis

Delay effects

Electromagnetic

Permeability

Spark gaps

Supercapacitors

Magnetic analysis Mie scattering

NT: Air gaps

Characteristic mode

Electromagnetic fields

Electromagnetic forces

Time-domain analysis

analysis

refraction

Computational

Electrohydrodynamics electromagnetics

> UF: Electro-fluid dynamics

> > Electrofluid dynamics

Magnetohydrodynamics

Electrostrictive

hydrodynamics

Dielectrics BT:

Hydrodynamics

Dielectric materials RT:

> Electric fields Electrokinetics

> > Electromagnetic beams

USF: Beams

Electrokinetics

BT: Dielectrics

Dielectric materials RT: Electric fields

Electrohydrodynamics

Electromagnetic compatibility

UF: EMC

BT: Electromagnetic compatibility and interference

NT: Immunity testing Reverberation chambers

Electroluminescence

BT:

RT:

BT:

RT:

Electroluminescent devices

Organic light emitting

Luminescence

Electrooptic effects

Electroluminescence

Luminescent devices

diodes

NT: Electroluminescent

devices

Electromagnetic compatibility and

interference

RT: Electromagnetic

interference

Open area test sites

TEM cells

NT: Electromagnetic

Light sources compatibility

Electromagnetics

Electrooptic devices Interference

Electromagnetic coupling

Electrolysis

Electrochemical USE:

BT: Electromagnetics RT: Circulators Couplers

Electrolytes

processes



Electromagnetic forces Electromagnetic

induction Electromagnetic BT:

Electromagnetic analysis

shielding RT: Electromagnetic NT:

Mutual coupling launching Optical coupling Magnetic forces

Mie scattering

Electromagnetic devices

BT: Electromagnetics Electromagnetic guns

RT: Magnetic gears USE: Electromagnetic

launching NT: Baluns

Electromagnetic diffraction Electromagnetic heating

BT: Electromagnetic UF: Microwave heating BT: Heating systems propagation Electromagnetic fields RT: RT: Hyperthermia

Optical diffraction NT: Induction heating

Physical theory of diffraction **Electromagnetic induction**

> X-ray diffraction UF: Induction (electromagnetic)

BT: Electromagnetic field theory Electromagnetics

Electromagnetic Electromagnetic fields BT: RT:

Computational RT: coupling

Geomagnetism electromagnetics Optical fiber theory Magnetic communication

NT: Eddy currents

Electromagnetic fields Inductive power

BT: Electromagnetic transmission

analysis

RT: Computational Electromagnetic interference electromagnetics UF:

Electromagnetic noise Electrodynamics

Electromagnetic RF interference diffraction Radio interference Interference

Electromagnetic BT: propagation RT: Crosstalk

Electromagnetic Electromagnetic

radiation compatibility and interference

Electromagnetic Environmental factors

reflection Immunity testing Electromagnetic Noise

refraction Open area test sites

Electromagnetic TEM cells

scattering NT: Radiofrequency

Magnetic fields interference

Mie scattering Specific absorption NT: Electric fields rate

Electromagnetic field

theory Electromagnetic launching

UF: Electromagnetic guns Electromagnetic

spectrum Electromagnetic Windings propulsion



Launching

Electrothermal

(electromagnetic) Electromagnetic noise

> USE: BT: Propulsion Electromagnetic

RT: Electromagnetic forces interference

Electromagnetic propagation launching

> NT: Coilguns UF: Electromagnetic wave

> > Railguns propagation

BT: Antennas and

Electromagnetic measurements propagation

> BT: Measurement Propagation

RT: Anechoic chambers RT: Electromagnetic fields

> Electromagnetic Antenna measurements

Dielectric measurement transients

Electric variables Electromagnetic

measurement waveguides

Frequency measurement Magnetostatic waves

Mie scattering Mie scattering

Reflectometry Waves

Wavelength measurement NT: Electromagnetic

NT: Electromagnetic diffraction

Electromagnetic modeling

> Linearity propagation in absorbing media

> Electromagnetic Microwave measurement

Millimeter wave reflection

Microwave propagation measurements

Parameter extraction Millimeter wave

Polarimetry propagation Radiometry

Optical propagation Submillimeter wave Propagation constant

Propagation losses Radio propagation **Electromagnetic metamaterials** Radiowave propagation

Submillimeter wave

BT: Electromagnetics Metamaterials propagation

RT: Optical metamaterials UHF propagation

Photonics

Electromagnetic propagation in NT: Terahertz

absorbing media metamaterials

BT:

Electromagnetic Electromagnetic model

propagation USE: Electromagnetic

modeling Electromagnetic propulsion

USE: Electromagnetic

Electromagnetic modeling launching

> Electromagnetic model UF:

Electromagnetic Electromagnetic pulse

modelling USE: EMP radiation effects

RT. Electromagnetic

measurements Electromagnetic pulse propagation USE: Electromagnetic

transients Electromagnetic modelling USE: Electromagnetic

modeling Electromagnetic pulse scattering



measurements

USE: Electromagnetic Mie scattering

transients

Optical scattering Polarization

Radar scattering

Electromagnetic radiation

BT: Electromagnetics RT: Electromagnetic fields Electromagnetic wave

Raman scattering Rayleigh scattering

Electromagnetic

Cable shielding

Magnetic shielding

EMP radiation effects

polarization

Electromagnetic shielding BT: Electromagnetics

Terahertz radiation

Waves

X-ray detection X-ray detectors

X-rays

NT: Bremsstrahlung Correlators

Electromagnetic wave

absorption

Frequency

Gamma-rays

Line-of-sight

propagation

Electromagnetic spectrum

RT:

NT:

coupling

BT: Electromagnetic fields

Electromagnetic transient program

USE: **EMTP**

Electromagnetic radiative interference

Interference BT:

Electromagnetic transients

UF: Electromagnetic pulse

propagation

scattering

propagation

scattering

BT:

RT:

NT:

USE:

BT:

Electromagnetic pulse

Electromagnetics

Electromagnetic

Electromagnetic

Power system

Electromagnetic

EMTDC EMTP

Surges

Electromagnetic transients including DC

EMTDC

Transient analysis

EMP radiation effects

Electromagnetic reflection

UF: Electromagnetic wave

reflection

BT: Electromagnetic

propagation

Reflection

RT: Electromagnetic fields

Electromagnetic

scattering

Reflectometry

NT: Optical reflection

transients

Electromagnetic refraction

BT: Electromagnetic

analysis

RT: Electromagnetic fields Electromagnetic transients DC

USE: **EMTDC**

Electromagnetic scattering

UF: Electromagnetic wave

scattering

Electromagnetic waves

Scattering BT:

RT: Electromagnetic fields

Electromagnetic

reflection

Electromagnetic

Electromagnetic wave attenuation

Electromagnetic wave absorption

USE: Attenuation

transients

Waves Electromagnetic wave polarisation

Coherence NT:



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radiation

USE: Electromagnetic wave NT: Electromagnetic

polarization analysis

Electromagnetic

Electromagnetic

Electromagnetic wave polarization

UF: Electromagnetic wave

devices

polarisation
BT: Electrodynamics

Electromagnetic

RT: Electromagnetic

induction

coupling

__

radiation
Photonic band gap

metamaterials

Electromagnetic

Electromagnetic wave propagation

USE: Electromagnetic

Electromagnetic Electromagnetic

propagation

shielding

radiation

Electromagnetic

Electromagnetic wave reflection

USE: Electromagnetic

transients

Proximity effects

reflection

Electromagnetic wave scattering

USE: Electromagnetic

scattering

propagation

Electromagnets

BT: Magnets

RT: Coils

Magnetic confinement Magnetic levitation

NT: Superconducting

magnets

Electromagnetic waveguides

BT: Transmission lines RT: Coaxial cables

Coplanar waveguides

Electromagnetic

Electromechanical devices

NT:

BT:

NT:

Electromechanical

Helical antennas

Microwave devices
Microwave propagation

Optical fibers Propagation Waveguide BT: Electrome systems

Armature

SAW filters

discontinuities

NT: Hollow waveguides

Loaded waveguides Planar waveguides Rectangular waveguides

Waveguide components Waveguide lasers Waveguide theory

Neuroradiology

Electromechanical systems

Electromechanical sensors

BT: Industry applications

Microsensors

NT: Cruise control Electromechanical

Sensors

devices

heory **Electromigration**

BT: Diffusion processes

Electromagnetic waves

USE: Electromagnetic

scattering

Electromyography

UF: EMG

BT: Biomedical measurement RT: Bioelectric phenomena

Electromagnetics

RT:

BT: Electromagnetic compatibility and interference

and interference **Electron accelerators**Cyberspace BT: Particle accelerators

RT: Electron beams
Electron sources



Electrons Vacuum technology

Electron beam applications

BT: Electron beams

RT: Flyback transformers

Scanning electron

microscopy

Electron beam pumping

Laser excitation USE:

Electron beams

BT: Particle beams RT: Electrodynamics

Electron accelerators Electron emission Electron sources

Electrons

Flyback transformers Free electron lasers

Gyrotrons

Relativistic effects

Transmission electron

microscopy

Electron beam NT:

applications

Electron carriers

USE: Charge carrier

processes

Electron devices

Threshold current RT:

NT: Cathode ray tubes

Electron guns

Electron multipliers

Electron tubes

Mechatronics

Microelectromechanical

systems

Microfluidics

Micromechanical

devices

Photoelectricity Photovoltaic cells Quantum computing Quantum well devices Semiconductivity

Semiconductor devices

devices

Thick film devices Thin film devices

Single electron

Tunneling

Electron emission

BT:

UF: Field electron

emission

Secondary electron

emission

Nuclear and plasma

sciences

RT: Cathodes

> Electrodes Electron beams Electron guns

Electron multipliers Electron sources Electron tubes

Electrons

Photoelectricity Thermionic emission

Vacuum arcs Vacuum breakdown

NT: Ballistic transport

Electron guns

BT: Electron devices RT:

Electron emission

Electron microscopy

BT: Microscopy

Photoelectron NT:

microscopy

Scanning electron

microscopy

Transmission electron

microscopy

Electron mobility

UF: Drift velocity

Charge carrier BT:

processes

RT: Plasma properties

Electron multipliers

BT: Electron devices Electron emission RT: Electron tubes Photomultipliers

Electron optics

BT: Optics 0

Particle beam optics

RT: Electrodynamics

Electron paramagnetic resonance



UF: Biological EPR Central Processing

> Electron spin Unit

resonance

Multivibrators BT: Spectroscopy Stripboard circuit

Electronic commerce **Electron sources**

> BT: Flectrons

RT: Electron accelerators Ecommerce

Electron beams BT: Economics

Electron emission RT: Financial management

Internet

UF:

Electron spin resonance Marketing management USE: Electron paramagnetic

Online banking Supply chain

Coils

Diodes

Fuses

Connectors

Electrodes

Inductors

Resistors

Switches

Electronic counter-countermeasures

ECCM

USE:

UF:

BT:

RT:

Electronic countermeasures

countermeasures

countermeasures

Transducers

Electronic

Structural plates

Electronic counter-

Electronic warfare

Radio communication

Military communication Radar countermeasures

F-commerce

resonance management

Virtual enterprises **Electron traps**

BT: Charge carrier

Electronic components processes

Leakage currents BT: Components, packaging, Reliability and manufacturing technology

NT: Capacitors

Electron tubes

RT:

Thermionic valves UF:

Tubes

Vacuum tubes BT: Electron devices

RT: Anodes

Cathodes Electrodes Electrodynamics Electron emission Electron multipliers

Gettering

NT: Field emitter arrays

> Klystrons Magnetrons Thyratrons

Traveling wave tubes

Electronic ballasts

UF: Ballasts

> Electric ballast Electrical ballast

BT: Ballistic transport

Electronic banking

USE: Online banking

Electronic books

USE: Electronic publishing

countermeasures

Spread spectrum

communication

Spread spectrum radar

Jamming

Weapons

Electronic circuits

BT: Circuits Electronic currency

Breadboard NT: USE: Online banking



Ehealth

Electronic data interchange BT: Information processing

Data handling Medical services USE: RT: Smart healthcare

Electronic design automation and methodology

UF: FDA

> NT: Design automation

> > Design methodology

Electronic equipment

BT: Electronics industry

RT: Electronic equipment

manufacture

Electronic equipment

testing

Low-power electronics

NT: Electronic voting

systems

Microelectronics Organic electronics Smart devices

Soft electronics

Electronic equipment manufacture

BT: Components, packaging,

and manufacturing technology

RT: Electronic equipment

Electronics industry

Optical device

fabrication

NT: Damascene integration

Micromachining

Radiation hardening

(electronics)

Semiconductor device

manufacture

Electronic equipment testing

BT: Testing

RT: Electronic equipment

TEM cells

NT: Immunity testing

Electronic government

UF: E-government

BT: Government

Electronic health records

Electronic medical

records

Electronic healthcare

E health IIF •

Electronic learning

UF: E learning

E-learning Elearning

BT: Educational technology

Learning (artificial

intelligence)

RT: Computer aided

instruction

Computers and

information processing

Electronic mail

Internet

Learning management

systems

TV Training

Wide area networks Mobile learning

Electronic mail

NT:

UF: E-mail

Email

Mail (electronic)

BT: Message systems

RT:

Blogs

Electronic learning Office automation Postal services Social network

services

Voice mail

Whitelists

NT: Unified messaging

Unsolicited electronic

mail

Electronic medical prescriptions

BT: Medical treatment RT: Electronic medical

records

Electronic medical records

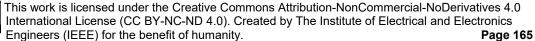
E-health records UF:

Electronic health

records

BT: Medical information

systems



RT: Electronic medical

prescriptions

Patient monitoring

UF: E-voting

Online voting BT: Voting

Electronic messaging

Text messaging UF:

BT: Message systems NT: Instant messaging

Unified messaging

systems

Electronic music

BT: Music

NT: Synthesizers

Electronic noses

Chemical analysis BT:

Intelligent sensors RT:

Electronic packaging thermal management

Thermal management of

electronics

Electronic portfolios

USE: Portfolios

Electronic publications

USE: IEEE online

publications

Electronic publishing

Digital publishing UF:

> E-books E-publishing E-reader

Electronic books Epublishing

Kindle Publishing

BT: CD-ROMs RT:

Multimedia systems

NT: Content management

Desktop publishing

Electronic switching systems

Communication BT:

switching

Switching systems

Electronic textiles

Smart textiles USE:

Electronic visual prosthesis

USE: Visual prosthesis Electronic warfare

BT:

NT:

Electronic voting systems

Electronic voting

BT: Aerospace and

electronic systems

RT: Communication system

security

Radio communication

Electronic equipment

Optical scan voting

countermeasures

Spread spectrum

communication

Spread spectrum radar

NT: Electronic

countermeasures

Jamming

Radar countermeasures

Electronic waste

UF: E-waste

WFFF

Waste electrical and

electronic equipment

BT: Waste materials

Electronics cooling

BT: Thermal management of

electronics

RT: Cooling

Electronics engineering education

Electrical engineering BT:

education

Electronics industry

Integrated circuits UF:

industry

Semiconductor

electronics industry

Semiconductor industry

BT: Manufacturing

industries

Electrical equipment

industry

Electrical products

industry



Electronic equipment

manufacture

Toy manufacturing

industry

NT: Electronic equipment

Electronics packaging

UF: Ball grid arrays

DIL DIP

Dual inline packaging

PGA

Pin grid arrays

QFP

Quad flat packs

BT: Components, packaging,

and manufacturing technology

RT: Constraint

optimization

Cooling

Plastic packaging Printed circuits

NT: Chip scale packaging

Electrons

BT: Elementary particles

RT: Beta rays Cosmic rays

Electron accelerators

Electron beams Electron emission Elementary particle

exchange interactions

Impact ionization

Phonons

Schrodinger equation

NT: Electron sources
Ouantum wells

Trions

irions

Electrooculography

BT:

UF: EOG

Electro oculography
Electro-oculography
Biomedical measurement

Gaze tracking

RT: Bioelectric phenomena

Electroencephalography

Eyes

Electrooptic (EO) waveguides

USE: Electrooptical

waveguides

Electrooptic deflectors

UF: Electro-optic

deflectors

Electrooptic devices

Electrooptic devices

BT:

UF: Electro-optic devices

BT: Lasers and

electrooptics

RT: Electroluminescent

devices

Electrooptic effects Liquid crystal devices Optical bistability Optoelectronic devices

NT: Electrochromic devices

Electrooptic

deflectors

Electrooptic

modulators

Electrooptic effects

UF: Electro-optic effects

BT: Lasers and

electrooptics

RT: Electroluminescence

Electrooptic devices Nonlinear optics

NT: Electrochromism

Kerr effect

Optical bistability

Stark effect

Electrooptic modulators

UF: Electro-optic

modulators

Pockels readout

optical modulator

RT:

BT: Electrooptic devices

Optical modulation

Integrated optics

Intensity modulation

Laser beams

Microwave photonics Optical waveguides P-i-n diodes Phase modulation

Quantum well devices

-

Electrooptic waveguides

USE: Electrooptical

waveguides

Electrooptical waveguides



UF: EO waveguides

Electrooptic (E0)

waveguides

Electrooptic

waveguides

BT: Optical waveguides

Electrophotography

UF: Xerography BT: Electrostatic

processes

Photoconducting

devices

RT: Gas discharge devices

Photography

Electrophotoluminescence

USE: Photoluminescence

Electrophysiology

BT: Biomedical measurement RT: Biomedical electrodes

Electrostatic actuation

USE: Electrostatic

actuators

Electrostatic actuators

UF: Electrostatic

actuation

BT: Actuators

RT: Electrostatic devices

Electrostatic analysis

BT: Electrostatic

processes

RT: Electric fields

Electromagnetic

analysis

Electrostatic

measurements

Electrostatic charges

USE: Electrostatic

discharges AND

Flectrostatics

Electrostatic devices

BT: Industry applications

RT: Electrostatic

actuators

Electrostatic

processes

Electrostatic discharges

UF: Charged device model

ESD

Electrostatic charges

BT: Dielectric breakdown

RT: Arc discharges

Electrostatic

interference

Electrostatic induction

UF: Induction

(electrostatic)

BT: Electrostatic

processes

Electrostatic interference

BT: Interference RT: Electrostatic

discharges

NT: Immunity testing

Electrostatic levitation

BT: Electrostatics

Levitation

Electrostatic measurements

BT: Electric variables

measurement

RT: Electrostatic analysis NT: Charge measurement

Electrostatic precipitators

BT: Industry applications RT: Pollution control

Electrostatic processes

BT: Industry applications RT: Discharges (electric)

Electric fields

Electrostatic devices

Lightning

NT: Aerosols

Electrophotography
Electrostatic analysis

Electrostatic

induction

Electrostatics
Particle charging
Particle production
Space charge

Space charge Surface charging Triboelectricity

Electrostatic self assembly



USE: Electrostatic self-

assembly

Electrostatic self-assembly

UF: Electrostatic self

assembly

Self-assembly BT:

Electrostatics

UF: Electrostatic charges

BT: Electrostatic

processes

Poisson equations RT:

NT: Electrostatic

levitation

Electrostriction

BT: Dielectrics

RT: Mechanical factors

Piezoelectricity

Electrostrictive hydrodynamics

Electrohydrodynamics USE:

Electrostrictive polymer actuators

Actuators USE:

Electrothermal effects

Thermoelectricity BT:

Flectrothermal RT:

launching

NT: Proton effects

Electrothermal launching

UF: Launching

(electrothermal)

BT: Propulsion

RT: Electromagnetic

launching

Electrothermal effects

Elemental semiconductors

BT: Semiconductor

materials

Silicon RT:

Elementary particle exchange

interactions

BT: Elementary particles

RT: Electrons

Tons

Proton effects

Wave functions

Elementary particle vacuum

UF: Instanton vacuum

> QCD vacuum Quantum vacuum String vacuum

Superstring vacuum

Vacuum energy

BT: Elementary particles

RT: Casimir effect

Elementary particles

UF: Particles (elementary)

BT: Nuclear and plasma

sciences

RT: Cosmic rays

High energy physics

instrumentation computing

Microwave photonics Nuclear thermodynamics

Proton effects

NT: Charge carriers

Electrons

Elementary particle

exchange interactions

Elementary particle

vacuum

Ions Mesons

Neutrino sources

Neutrons

Particle beams

Particle collisions

Phonons Positrons Protons

Elevators

Building services BT:

RT: Buildings

Ellipsoids

Elliptic design BT:

Ellipsometry

Optical variables BT:

measurement

RT:

Polarimetry

Elliptic curve cryptography

UF: ECC

Elliptic curve

cryptosystems

Public key

cryptography



Micromachining

Elliptic curve cryptosystems Sheet metal processing

Watermarking

cryptography

Elliptic curves

USE:

BT: Geometry

Elliptic design

UF: Elliptical design

Elliptic curve

BT: Geometry NT: Ellipsoids

Elliptical design

Elliptic design USE:

Email

USE: Electronic mail

Embedded computing

BT: Embedded systems Distributed vision RT:

networks

Embedded multicore processing

BT: Multicore processing

Embedded power generation

Distributed power

generation

Embedded software

Software BT:

Embedded system

USE: Embedded systems

Embedded systems

UF: Embedded system BT: Operating systems

RT: Cyber-physical systems

Hardware-in-the loop

simulation

Microprocessors

NT: Embedded computing

Embolization

RT. Medical treatment Noninvasive treatment

Embossing

BT: Manufacturing

Production

Injection molding RT:

Embryo

BT: Embryonic structures

Embryonic structures

BT: **Anatomy** NT: Embryo Fetus

EMC

USE: Electromagnetic

compatibility

Emergency lighting

BT: Lighting

RT: High intensity

discharge lamps

Emergency management

USE: Emergency services

Emergency medical services

USE: Medical services

Emergency power generators

Standby generators USE:

Emergency power supplies

UF: Standby power supplies

BT: Power supplies RT: Batteries

Standby generators

Uninterruptible power

systems

Emergency response

USE: Emergency services

Emergency services

UF: Emergency management

Emergency response

BT: Safety Accidents RT: Fires

> Medical services Rescue robots

Emergent phenomena

BT: Cybernetics

EMG



USE: Electromyography

BT:

RT:

Employment EMI UF:

Workplace USE: Electromagnetic BT: Human resource

interference management

Emotion recognition

Affective computing

Behavioral sciences

Emotional responses

Image recognition

Psychology

User interfaces

Employment law

Engineering profession

Jobs listings

Personnel

Business

Programming profession

NT: Employee rights

RT:

Termination of

Sentiment analysis employment

Speech recognition Employment law

Emotional responses BT: Law

> BT: Psychology RT: Contract law RT: Emotion recognition **Employment**

EMP radiation effects **EMTDC**

> Electromagnetic pulse UF: UF: Electromagnetic

transients DC BT: Electromagnetic

transients Electromagnetic

Electromagnetic transients including DC

shielding BT: Electromagnetic

transients Empirical mode decomposition

Geophysics Hilbert?Huang UF: Software packages

transforms

Sick pay

Transforms BT: **EMTP**

RT: Signal processing UF: Electromagnetic

transient program Employee rights BT:

Electromagnetic BT:

Employment transients

RT: Computer simulation

Employee welfare

Conditions of UF: **Emulation**

employment BT: Modeling Application Counseling RT:

Counselling virtualization

Maternity benefits Simulation

Working conditions Encapsulation

Human resource BT: BT: Packaging

management RT:

Integrated circuit

RT: Incentive schemes packaging

> Industrial psychology Plastic packaging

> Occupational health Occupational safety **Encephalography**

Occupational stress BT: Biomedical imaging

Pensions RT: Brain

Psychology

Remuneration Encoding



UF: Coding Real-time systems

BT: Information theory

Codecs RT: **Endoscopes**

Codes UF: Endoscopy

Cryptography BT: Biomedical equipment Data compression Biomedical optical RT:

Data handling imaging

Hash functions Image sensors Modulation Laser applications

Modulation coding Surgery

Quantization (signal) NT: Endomicroscopy

Semantic technology

Signal processing Endoscopy

Vector quantization USE: Endoscopes

NT: Audio coding Channel coding Energy

> Code refractoring BT: Power engineering and

Entropy coding energy

Precoding RT: Thermal energy Source coding NT: Energy barrier Speech coding Energy capture Transcoding

Energy consumption Energy conversion Energy dissipation Cryptography Energy exchange Energy harvesting

BT:

Energy management

Energy management Encyclopedias Energy resources Information services BT: Energy states RT: Wikipedia Energy storage

End effectors Energy barrier

> UF: End-effectors BT: Energy

BT: Manipulators

RT: Grippers **Energy capture**

BT: Energy

End-effectors

USE: End effectors **Energy conservation**

RT: Endocrine glands Ecodesign

USE: Glands

Energy resources Power demand **Endocrine** system Waste heat

> BT: **Anatomy** NT: Green computing

Potential energy **Endomicroscopy** Renewable energy

BT: Endoscopes sources

Microscopy

Biomedical equipment RT: **Energy consumption**

Biomedical optical BT: Energy

imaging

Encryption

BT:

RT:

Ciphers

Digestive system **Energy conversion**

Medical robotics BT: Energy

Optical devices NT: Atomic batteries



Batteries BT: Energy measurement

Fuel cells NT: Core loss

Motors

Photovoltaic cells

Potential well Solar heating Thermoelectricity

Waste heat

Energy dissipation

BT: Energy

Energy efficiency

UF: Energy efficient
BT: Energy management
RT: Energy informatics
NT: Energy efficient

ethernet

Energy efficient

USE: Energy efficiency

Energy efficient ethernet

UF: EtherEEE

BT: Energy efficiency

Ethernet

Energy exchange

UF: Energy transfer

BT: Energy

NT: Inductive charging

Energy harvesting

UF: Energy scavenging

Power harvesting

BT: Energy

NT: Nanogenerators

Energy informatics

BT: Energy management

Informatics

RT: Energy efficiency

Global warming

Green design

Information and

communication technology

Machine learning

Smart cities

Smart grids

Energy levels

USE: Energy states

Energy management

BT: Energy

NT: Demand-side management

Energy conservation
Energy efficiency
Energy informatics
Load management
Transactive energy

Energy measurement

BT: Electric variables

measurement

RT: Calorimetry

Enthalpy

Watthour meters

NT: Energy loss

Energy resolution

BT: Nuclear imaging
RT: Nuclear medicine

Solid scintillation

detectors

Energy resources

BT: Energy

RT: Civil engineering

Energy conservation

Environmental

economics

Natural gas

Power demand

NT: Fuels

Geothermal energy Nuclear fuels Solar energy

Wave power
Wind energy
Wind farms

Energy scavenging

USE: Energy harvesting

Energy states

UF: Energy levels

Levels, energy

BT: Energy

NT: Effective mass

Orbital calculations

Surface states

Energy loss Energy storage



UF: Optical engineering Energy storage systems

Stored energy Precision engineering Production engineering Energy

BT: RT: Aging Research and

Battery powered development

vehicles

Reverse engineering Fuel cell vehicles Sanitary engineering Standardization Fuel storage Thermal engineering Hybrid electric

vehicles

Load management Engineering drawings Material storage BT: Graphics RT: Pulsed power systems Documentation Solar powered vehicles Technical drawing

NT: Batteries NT: Flowcharts Flywheels

> Fuel cells **Engineering education** Hydrogen storage BT: Education

RT: Continuing education Supercapacitors Superconducting Educational robots

Laboratories magnetic energy storage Logic design

Biomedical engineering Energy storage systems NT:

USE: Energy storage education

Communication engineering education Energy transfer

USE: Energy exchange Computer science

education

Engine cylinders

BT: Machine components education

RT: Engines Electrical engineering

Gaskets education

Pistons Engineering students

Control engineering

Page 174

Structural rings Physics education Power engineering

Engineering - general education

> RT: Student experiments STEM

> Technology Systems engineering

Acoustical engineering NT: education

Agricultural

Engineering geology engineering Biologically inspired USE: Geoengineering

engineering

Chemical engineering Engineering in medicine and biology

> Civil engineering NT: **Bioinformatics** Biology Concurrent engineering

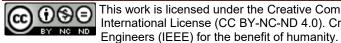
Biomedical Design engineering Electrical engineering communication

Engineering profession

Biomedical computing Environmental Biomedical engineering Biomedical equipment Maintenance Biomedical imaging

Bionanotechnology Bioterrorism Mechanical engineering

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engineering

engineering

Computational biology Gaskets

Genetic engineering Machine components

Medical services Manifolds

Medical specialties Mechanical power

0ils

Nuclear medicine transmission

Synthetic biology Pistons Engineering management Propellers

> Business Propulsion Commercialization Rockets

Consortia Torque converters Economics Turbomachinery

Innovation management NT: Heat engines

Legal factors Internal combustion

Market research engines

Planning Jet engines Product development

Project engineering **Enhanced magnetoresistance**

Research and BT: Magnetoresistance development management RT: Nanocontacts

Research initiatives Software development Entangled states

management USF: Quantum entanglement

Engineering profession Enterprise resource planning

UF: BT: Management Careers BT: Engineering - general RT: Business RT:

Biographies Data handling Electrical engineering Data processing

Employment Software

Ethics System integration Programming profession Venture capital

Research and NT: Business process

development integration Research and

development management Entertainment industry

> NT: Professional aspects BT: Industries RT: Broadcasting

Engineering students Films UF: Student engineers Games

> BT: Engineering education Motion pictures

NT: Engineering writing Sports

USE: Writing

Engines BT: Thermodynamics

BT: Industry applications RT: Energy measurement RT: Aircraft propulsion Thermal management

Automobile manufacture

Camshafts USE: Entrepreneurship

Engine cylinders

Enthalpy

Entrepreneurial

Exhaust systems Entrepreneurship Fuel pumps UF: Entrepreneurial

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Cams

NT:

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BT: Business Green computing RT: Disruptive innovation Greenhouse effect

Health and safety Innovation management International

collaboration **Entropy**

Nuclear thermodynamics

Physics BT: Meteorology

Occupational health RT: Heating systems

> Ozonation Safety

Entropy coding NT: Biosphere

BT: Encoding Ecology RT: Data compression Ecosystems Huffman coding Environmental NT:

economics

Entry, descent and landing Environmental

Aircraft navigation USE: monitoring

Global warming **Envelope detectors** Green manufacturing

BT: Detectors Green products Green transportation

Environmental design Pollution

USE: Green design

Environmental management

Environmental economics Industry applications BT:

BT: Economics RT: Environmental

Environmental factors economics

RT: Energy resources Environmental

Environmental engineering

management Global warming Pollution Pollution International

> NT: Carbon tax collaboration

Low-carbon economy **Environmental engineering**

Public infrastructure BT: Engineering - general Sanitary engineering Environmental factors RT: NT:

Biodegradation

Environmental Dams

Land use planning management

> Pest control Resource management Pollution control

Environmental factors Recycling

UF: Environmental problems Renewable energy

Geoscience and remote BT: sources

Sustainable sensing

Social implications of development

technology Waste management Acoustic noise RT: Water conservation

Air quality Water resources Civil engineering

Environmental monitoring Ecodesign

Electromagnetic BT: Environmental factors

interference Monitoring

Environmental RT: Decontamination

engineering Pollution control

Pollution measurement Green buildings



Molecular beam NT:

Environmental noise epitaxial growth

USE: Working environment noise Epitaxial layers

BT:

Coatings Environmental problems Films

Environmental factors USF: RT: Chemical vapor

deposition

Environmentally friendly manufacturing Semiconductor growth techniques Thin films

Components, packaging, NT: Superconducting

and manufacturing technology epitaxial layers

Enzymatic fuel cells **Epitaxy**

USE: Fuel cells USE: Epitaxial growth

Enzymes **EPON**

> USE: Biochemistry UF: Ethernet passive

optical networks

EO waveguides BT: Ethernet

USE: Electrooptical RT: Passive optical

waveguides networks

EOG Epoxy resins

USE: Electrooculography BT: Dielectric materials

> Plastics Resins

USE: Earth Observing System

EPROM

FAROM **Epidermal** UF:

USE: **Epidermis EEPROM** Electrically alterable

Epidermis read only memory

> UF: **Epidermal** Electrically erasable

BT: Skin programmable read only memory

Erasable programmable

Epilepsy read only memory

> Diseases BT: **PROM** BT:

Epitaxial growth **Epublishing**

> UF: **Epitaxy** USE: Electronic publishing

BT: Thin films Equal opportunities RT: Crystal growth

Crystals BT: Human resource

Gallium management

Germanium RT: Industrial relations Labor resources Molecular beams

Nanotechnology Personnel Photonics Recruitment Semiconductor devices NT: Gender equity

Semiconductor thin Gender issues

Silicon Equalisers

> Substrates Equalizers USE:



films

EOS

Erbium-doped fiber amplifiers

UF: **EDFA**

Er-doped fiber

Keyboards

BT: Filters amplifier

Channel estimation Optical amplifiers BT:

Impedance matching Erbium RT:

Intersymbol

Equalisers

Equalizers

UF:

RT:

NT:

interference Erbium-doped fiber laser

> Adaptive equalizers USE: Erbium-doped fiber

Blind equalizers lasers Decision feedback

equalizers Erbium-doped fiber lasers

UF: Er-doped fiber lasers **Equations**

Erbium-doped fiber

Mathematics laser BT:

> Erbiumdoped fiber NT: Boltzmann equation

> > Difference equations laser

Integrodifferential BT: Fiber lasers

equations

Maxwell equations Erbiumdoped fiber laser Nonlinear equations USE: Erbium-doped fiber

Polynomials lasers

Riccati equations

Erection

Equipment failure USE: Construction BT: Failure analysis

Ergonomics

Equivalent circuits UF: Human engineering

> Human factors BT: Circuits

engineering

Er Systems, man, and

USE: Erbium cybernetics

Anthropometry RT:

Er-doped fiber amplifier Behavioral sciences

USE: Erbium-doped fiber Cybernetics

amplifiers Design methodology Human factors

Er-doped fiber lasers

USE: Erbium-doped fiber Man-machine systems lasers Occupational health

Working environment

Erasable programmable read only memory noise

USE: **EPROM** NT: Job design

Erbium Error analysis

> UF: Fr UF: Error estimation BT: Metals Error rate

Erbium-doped fiber Error rates Error statistics

amplifiers Lasers and BT: Testing

Cyclic redundancy electrooptics RT:

Optical amplifiers check

Optics 0 Cyclic redundancy

check codes



Error correction BT: Probability

Estimation

Mean square error Error rate USE:

methods

Measurement errors

Numerical analysis

Roundoff errors

NT: Bit error rate

Finite wordlength

effects

Error recovery (computers)

USF:

USE: System recovery

Error compensation

BT: Information theory RT: Error correction

Error correcting codes

USE: Error correction codes

Error correction

BT: Signal processing

RT: Codes

Convolutional codes

Cyclic redundancy

check

Cyclic redundancy

check codes

Error analysis

Error compensation Error correction codes

Linear codes

Power system faults

Product codes Turbo codes

NT: Forward error

correction

Error correction codes

UF: ECC

Error correcting codes

Error-correcting codes

Error-correction codes Errorcorrection codes

BT: Codes

RT: Convolutional codes

Error correction

NT: Reed-Solomon codes

Error estimation

USE: Error analysis

Error free operation

USE: Error-free operations

Error probability

Error statistics

Error rates

USE: Error analysis

Error-correcting codes

USE: Error correction codes

Error analysis

Error analysis

Error-correction codes

USE: Error correction codes

Error-free operations

Error free operation UF:

BT: Testing

Errorcorrection codes

USE: Error correction codes

Escalators

Transportation BT:

RT: Buildings

Mechanical products

USE: Electrostatic

discharges

Esophagus

uncertainty

NT:

ESD

Digestive system BT:

Estimation Signal estimation UF:

> BT: Mathematics RT:

Control systems Error analysis

Filtering theory Kalman filters Measurement

Prediction methods

Prediction theory Reduced order systems

Signal processing Spectral analysis

Estimation error



Estimation theory Energy efficient

Functional point ethernet

analysis

Life estimation Ethernet passive optical networks

Maximum likelihood USE: **EPON**

estimation

Pose estimation Ethical aspects

State estimation BT: Social implications of

technology Yield estimation

Digital divide RT: Estimation error

Ethics

Estimation Genetic engineering

> Legal factors Management Philosophical

estimation considerations

Direction-of-arrival

Estimation theory

NT:

BT:

Estimation of the direction of arrival

UF: BT: Estimation Morals

RT: Mean square error BT: Social implications of

methods technology

Signal processing Engineering profession RT:

> Ethical aspects Statistics Cramer-Rao bounds General Data

Ethics

Maximum a posteriori Protection Regulation

estimation NT: Cyberethics

Etalons Ethyl alcohol

> **Interferometers** USE: USE: Ethanol

Etching **ETSI**

UF: Deep etching UF: European

BT: Materials processing Telecommunications Standards Institute

Surface treatment BT: Standards

RT: Fabrication organizations

Micromachining

NT: Dry etching ETSI Standards

Wet etching BT: Standards publications

NT: HbbTV Standards

SONET

UF: Ethyl alcohol Synchronous digital Grain alcohol hierarchy

Chemical compounds BT:

Euclidean distance NT: Alcoholic beverages

UF: Euclidean measurement

FtherFFF Euclidean metric

Distance measurement USE: Energy efficient BT: ethernet Mathematics

NT: Hilbert space

Ethernet

Ethanol

BT: Euclidean measurement Computer networks

RT: IEEE 802.3 Standard USE: Euclidean distance

Local area networks

FPON Euclidean metric NT:



USE: Euclidean distance BT: Economics

RT: Costs Europe

Economic indicators BT: Continents International trade

European Telecommunications Standards Excitation of lasers

USF: Institute Laser excitation

USE: ETSI **Excitons**

BT: Charge carrier Europium

BT: Chemical elements processes

RT: Semiconductor

EUV Lithography materials

USE: Extreme ultraviolet

Executive programs lithography USE: Operating systems

EV charging USE: Electric vehicle

Exhaust gases BT: charging Gases

RT: Air pollution

Event detection Ash

Combustion BT: Wireless sensor networks Exhaust systems

Flue gases Internal combustion Everyware

Pervasive computing USE: engines Jet engines

Evolution

Evolution (biology) Exhaust manifolds USE:

USF: Manifolds

Evolution (biology) UF: **Evolution** Exhaust systems

> BT: UF: Biology Catalytic converters NT: Memetics Catalytic convertors

Phylogeny Mufflers

BT:

Machine components Evolutionary algorithm Production systems

Engines USE: **Evolutionary** RT:

Exhaust gases computation

Manifolds

Evolutionary computation Evolutionary algorithm UF: Exo planets

BT: Computational USE: Extrasolar planets

intelligence Evolutionary robotics Exo-planets NT:

Particle swarm USF: Extrasolar planets

optimization

Evolutionary robotics USE: Glands

BT: **Evolutionary**

computation Exoplanets

Robots USE: Extrasolar planets

Exchange rates Exoskeletons



Exocrine glands

BT: User interfaces BT: Human computer

interaction

Expectation-maximisation algorithms Man-machine systems

USE: Expectation-Virtual reality maximization algorithms RT: Augmented reality

Extensible Markup Language Expectation-maximization algorithms

Expectation-

maximisation algorithms

BT: Iterative methods

Expert systems

BT: Knowledge based

systems

RT: Cause effect analysis

> Decision making Intelligent systems Knowledge acquisition

Knowledge

representation

NT: Diagnostic expert

systems

Medical expert systems

Explosion protection BT:

Protection

Safety

RT: Accident prevention

Flammability

Hazards

Military equipment

Explosions

BT: Hazards

> RT: Accidents

> > Chemical hazards Flammability Hazardous areas

> > > Safety

Seismic waves

NT: Explosives

Explosives

BT: **Explosions**

Exponential distribution

BT: Probability

distribution

Extended definition TV

USE: **HDTV**

USE: XMI

External stimuli

UF: PhysiStimuli

BT: Interactive systems

Physiology

Extinction coefficients

BT: Optics 0

NT: Extinction ratio

Extinction ratio

BT: Extinction

coefficients

Extra solar planets

USE: Extrasolar planets

Extra-solar planets

USE: Extrasolar planets

Extracellular

BT: Cells (biology)

Extranets

BT: Virtual private

networks

RT: Data communication

Information systems

Internet Web sites

Extraordinary magnetoresistance

BT: Magnetoresistance

Extrapolation

BT: Approximation methods

RT: Statistics

Extrasolar planetary atmospheres

BT: Extrasolar planets

Extrasolar planetary mass

Extrasolar planets BT:

Extended reality Extrasolar planets

> UF: HumanXR UF: Exo planets



Exo-planets UF: Goggles

Exoplanets BT: Safety devices

Extra solar planets Occupational health RT: Extra-solar planets Occupational safety Protective clothing Super earths

Astronomy Safety

measurements **Eyebrows**

Extraterrestrial

BT:

RT:

UF:

BT:

NT:

Foot

Extraterrestrial BT: Hair

phenomena Extrasolar planetary **Eyelashes**

atmospheres BT: Eyes

Extrasolar planetary Hair

mass **Eyelids**

Extraterrestrial measurements BT: Eyes

Planetary composition UF:

Space measurements Eyes BT: Measurement BT: Sense organs

RT: Astronomy RT: Electrooculography

Extrasolar planets Gaze tracking Optical coherence Extraterrestrial

phenomena tomography

Interstellar chemistry NT: Cataracts Cornea

Extraterrestrial phenomena Eyelashes Space phenomena Eyelids Geophysics Iris

BT: RT: Extrasolar planets Retina Extraterrestrial

measurements FAA

Planets UF: Federal Aviation

Space technology Administration NT: Cosmic rays BT: US Government agencies

Solar radiation

Fabrication Extreme ultraviolet lithography UF:

Fabrication process **EUV** Lithography UF: BT: Manufacturing

BT: Lithography RT: Etching

Materials processing **Extremities** NT: Bonding processes

> Microfabrication Body regions Arms Optical device

Buttocks fabrication

> Elbow Soldering **Fingers** Welding

Hip Fabrication process

Fabrication

USE: Knee Leg

Shoulder **Fabrics**

Thigh UF: Knitted fabric

composites

Eye protection



Woven fabric

composites

BT: Textiles

RT: Clothing

Weaving

Wool

Fabry-Perot

BT: Interferometry

NT: Fabry-Perot

interferometers

Fabry-Perot interferometers

BT: Fabry-Perot

Face

BT: Head

RT: Stomatognathic system

Facial muscles NT:

Face detection

BT: Computer vision Facial animation RT:

Facial features NT:

Face recognition

UF: Facial recognition

BT: Biometrics (access

control)

Identification of

persons

Pattern recognition

RT: Gaze tracking

Image recognition

Facebook

BT: Social network

services

Video sharing

Web sites

Facial animation

Animation BT:

RT: Face detection

Facial attributes

Facial features USE:

Facial features

Facial attributes UF:

BT: Face detection

Facial muscles

BT: Face Facial recognition

USE: Face recognition

Facilities management

Building services BT:

Management

Organizational aspects

Facsimile

BT: Communication systems

Image communication

Factories

Production facilities USE:

Factory automation

USE: Manufacturing

automation

FACTS

Flexible AC USE:

transmission systems

Fading channels

BT: Signal processing RT:

Diversity methods

Diversity schemes

Meteorological factors Multipath channels Radio propagation

Frequency-selective

NT: fading channels

Rayleigh channels

Weibull fading

channels

systems

methods

Failure analysis

Failure analytics UF:

Failure mechanisms

BT: Testing

Cause effect analysis RT:

Diagnostic expert

Fatigue

Fault diagnosis Fault trees Green's function

Life estimation Quality control

Reliability

Remaining life

assessment



Weibull distribution RT: Belts NT: Equipment failure Couplings

> Semiconductor device Joining processes

breakdown Welding

Failure analytics Fastening

USF: Failure analysis USE: Joining processes

Failure mechanisms **Fatigue**

USE: Failure analysis BT: Mechanical factors

Fans BT: Machinery

Ventilation

RT: Air conditioning

Blades Jet engines

Faraday effect

UF: Faraday rotation BT: Magnetooptic effects

Gyromagnetism RT:

Gyrotropism

Faraday rotation

USE: Faraday effect

Fascia

Musculoskeletal system BT:

Fast Fourier transforms

BT: Fourier transforms

RT: Digital signal

processing

Harmonic analysis

Fast light

BT: Light sources

Fastbus

BT: Data acquisition

Data buses RT:

> Data communication Data processing

Nuclear measurements

Fasteners

UF: Bolts

Hinges

Nuts (fasteners)

Screws

Zip fasteners Control equipment

BT: Mechanical products

RT: Failure analysis

Life estimation

Fats

BT: Chemical products

Food products

RT: Biological materials

Lipidomics

0ils

Fault current limiters

Current limiters BT:

Fault currents

BT: Current

Electric breakdown RT:

Grounding

Leakage currents

NT: Fault protection

Fault detection

BT: System analysis and

design

Fault diagnosis

BT: Reliability

RT: Cause effect analysis

Diagnostic expert

systems

Failure analysis

Maintenance

engineering

Testing

Dissolved gas analysis NT:

Fault location

Fault location

BT: Fault diagnosis

RT: Cables

Communication cables

Fault trees

Insulation testing

Fault protection



BT: Electrical safety

FDM Fault currents USE: Frequency division

multiplexing

Fault tolerance

UF: System resilience FDMA

BT: Reliability USE: Frequency division

Fault tolerant control multiaccess NT:

Redundancy

FDTD

Fault tolerant control USE: Finite difference

> BT: Control systems methods AND

> > Fault tolerance Time-domain analysis

Fault tolerant systems Fe

> System analysis and USE: Iron BT:

design

FBT

Fault trees BT: Animal structures

BT: Risk analysis

RT: Boolean functions Feature detection

Failure analysis BT: Computer vision

Fault location Image processing RT: Feature extraction

Feathers

Saliency detection

FBAR USE: Film bulk acoustic

USE:

Feature extraction resonators

BT: Image processing **FBARs**

RT: Blob detection Film bulk acoustic Feature detection

resonators Image annotation Image edge detection Image recognition

USE: Flyback transformers Independent component

analysis

FCC Mixture models

UF: Federal Communications Pattern classification Commission Pattern recognition

US Government agencies Principal component BT:

analysis **FDA**

Saliency detection UF: Food and Drug Signal processing

Administration Speech recognition BT: US Government agencies

Federal Aviation Administration

FDDI USE: FAA

Fiber distributed data UF:

Federal Communications Commission interface

BT: Communication systems USE: FCC

Optical fiber

communication Federated search Communication USE: Metasearch RT:

standards

Local area networks Federated searchina USE: Metasearch



Feedback

UF: Saturation detection

BT: Circuits

Control systems

Control design RT:

> Positive train control SIMO communication

Scrum (Software

development)

System dynamics

NT: Feedback circuits

Negative feedback

Neurofeedback

Feedback amplifiers

UF:

Negative feedback

amplifier

BT: Operational amplifiers

Feedback circuits

Circuit feedback UF:

BT: Feedback

RT: Control theory

Distributed feedback

devices

Feedback

communications

Output feedback NT:

Feedback communications

BT: Telecommunications RT: Feedback circuits

NT: Automatic repeat

request

Feedback control

Feedback loop

Feedback control

BT: Feedback

communications

NT: Windup

Feedback linearization

Control nonlinearities BT:

Control systems

Feedback loop

BT: Feedback

communications

NT: Negative feedback

loops

Feedforward neural nets

USE: Feedforward neural

networks

Feedforward neural networks

Feedforward neural UF:

nets

Neural networks BT:

RT: Artificial

intelligence

Pattern recognition

Self-organizing

feature maps

Support vector

machines

NT: Multilayer perceptrons

Feedforward systems

BT: Intelligent control

RT: Forward error

correction

Open loop systems

Feeds

FEM

BT: Antennas

NT: Antenna feeds

Finite element USE:

analysis

Femtocell networks

UF: Access point base

station

BT: Cellular networks

RT: Base stations

Femtocells

Base stations BT:

Ferrimagnetic films

Ferrimagnetic BT:

materials

Films

Magnetic films

Magnetic materials

Ferrite films NT:

Garnet films

Ferrimagnetic materials

BT: Magnetic materials NT: Ferrimagnetic films

Ferrite films

Ferrites



Garnet films Ferromagnetic materials

Garnets BT: Magnetic materials

Ferrite devices

BT: Magnetic devices

RT: Ferrites

Flyback transformers

Gyrators

NT: Circulators

Ferrite films

BT: Ferrimagnetic films

Ferrimagnetic

materials

Ferrites

Films

Magnetic films Magnetic materials

Ferrites

BT: Ferrimagnetic

materials

Magnetic materials Ferrite devices RT:

Gyromagnetism

Ferrite films NT:

Ferroelectric devices

Dielectric devices BT:

Ferroelectric RT:

materials

Ferroelectric films

BT: Ferroelectric

materials

RT: Magnetic field induced

strain

Ferroelectric materials

NT:

RT. Ultrasonics,

ferroelectrics, and frequency control

Dielectric materials RT:

Ferroelectric devices

Magnetic field induced

strain

Pyroelectricity

Ferroelectric films

Relaxor ferroelectrics

Ferrofluid UF: LiquiFerrofluid

Fluids BT:

Magnetic materials

Ferromagnetic resonance

BT: Magnetic resonance

Ferroresonance

Power engineering BT:

Resonance

RT: Magnetic resonance

Nonlinear magnetics

Fertilisers

USE: Fertilizers

Fertilizers

UF: Fertilisers BT: Agriculture

RT: Boron

Crops

FET circuits

Solid state circuits BT: RT: Nuclear electronics Operational amplifiers

FET integrated NT:

circuits

JFET circuits MESFET circuits MODFET circuits

MOSFET circuits

FET integrated circuits

BT: FET circuits

Integrated circuits

RT: Field effect

transistors

circuits

NT: Field effect MMIC

MESFET integrated

Fetal heart

BT: Heart

Fetal heart rate

Heart rate BT:

Field effect USE:

transistors

FETs

Fetus

BT: Embryonic structures



FFF Fibre lasers

USE: Field-flow Fiber lasers USE:

fractionation

Fibre optic sensors Fiber Bragg gratings USE: Optical fiber sensors

USE: Bragg gratings

Fibre optics Fiber distributed data interface USE:

Fiber optics USE: **FDDI**

Fibre reinforced plastics Fiber gratings

USE: Fiber reinforced UF:

Fibre gratings plastics BT: Bragg gratings

Fibrillation Fiber lasers

Medical treatment BT: Fibre lasers Defibrillation UF: RT: BT: Atrial fibrillation NT:

Ring lasers NT: Erbium-doped fiber

Fibroblasts lasers

High power fiber BT: Biological cells

lasers Fiducial markers

Fiber nonlinear optics UF: Imagimarkers Fiber optics BT: Image processing BT:

> Nonlinear optics RT: Microfabrication

Semiconductor device manufacture

Fiber optic sensors USE: Optical fiber sensors

Field buses

Fiber optics UF: Instrumentation buses UF: Fibre optics BT: Computer interfaces

BT: Optics 0 RT: Industrial control NT:

Fiber nonlinear optics Local area networks Optical fibers

Field effect MMIC Fiber reinforced plastics BT:

FET integrated Fibre reinforced

UF: circuits plastics

Plastics Field effect transistors BT: UF: RT: Plastic insulators **FFTs**

BT: Transistors

Fiber-Bragg gratings RT: FET integrated USE: circuits

Bragg gratings Graphene devices

Semiconductor devices Fiber-in-the-Loop NT: USE: Optical fiber **CNTFETS**

subscriber loops Double-gate FETs

HEMTs JFETs Fibers

USE: Textile fibers **MESFETs MISFETs** Fibre gratings **MODFETS**

USE: Fiber gratings MOSEFT MOSHFETs



OFETs BT: Fractionation

Schottky gate field

effect transistors Field-programmable gate arrays

TFETs USE: Field programmable

Thin film transistors gate arrays

Filament lamps Field electron emission

Electron emission USE: BT: Lamps RT: Lighting

Field emitter arrays

BT: Electron tubes File servers RT: Vacuum technology BT: Computers and

information processing Field flow fractionation RT: Computer networks

Field-flow USE: Data communication fractionation Local area networks

Field ion emission File sharing

USE: Ion emission USE: Peer-to-peer computing

Field multiplication File system permissions

Galois fields USE: USE: Permission

Field programmable analog arrays File systems

UF: **FPAA** BT: System software

Field programmable RT: Audio databases analogue arrays Data structures

BT: Analog integrated Database systems circuits Information systems

Programmable circuits Application specific RT: Fill factor (solar cell)

integrated circuits BT: Photovoltaic systems

Field programmable

Filler metals gate arrays

Space technology BT: Joining materials

RT: Metals

Field programmable analogue arrays Field programmable

Filling USE: Freight handling

BT: analog arrays

RT: Containers

Field programmable gate arrays Loading UF: **FPGA** Packaging

Field-programmable

Film bulk acoustic resonators gate arrays

UF: BT: Integrated circuits FBAR RT: Field programmable **FBARs**

Acoustic devices analog arrays BT:

> Reconfigurable devices Thin film devices Bulk acoustic wave RT:

Field-flow fractionation devices

UF: **FFFF** Land mobile radio

FFF cellular systems

Mobile communication Field flow

fractionation Radio communication



Resonance RT: Estimation Telecommunications Line enhancers Matched filters

Maximum likelihood

Films BT:

Materials RT:

Chemical vapor Transversal filters

detection

NT: deposition Image filtering

Coatings

Entertainment industry **Filters**

BT: Sputtering Filtering

NT: Conductive films Signal processing Dielectric films RT:

Passive filters

Epitaxial layers Signal to noise ratio

Ferrimagnetic films NT: Active filters Ferrite films Anisotropic Garnet films Bragg gratings Channel bank filters Magnetic films

Optical films Digital filters

Piezoelectric films Equalizers Plastic films Filtering theory Polymer films Gabor filters Semiconductor films Harmonic filters Thick films TTR filters

Thin films Kalman filters Low pass filters Matched filters Films (Motion pictures)

Motion pictures Microstrip filters

Nonlinear filters Notch filters Particle filters

Filterbank UF: BT: Power filters Band-pass filters Resonator filters Spatial filters Filter-theory

USE: Filtering theory Superconducting

filters

Filterbank Transversal filters

USE: Filter banks

Filtration

Filtering Nanofiltration

BT: RT. Circuits and systems Materials science and

Finance

RT: Noise cancellation technology

Microfiltration NT: Filters NT:

Information filtering

Filtering algorithms UF: Taxes

UF: Loop-filtering BT: Financial management

algorithm RT: Banking

Post-filtering Bitcoin

Business algorithm BT: Algorithms Cryptocurrency

Economics

Filtering theory NT: Bankruptcv

UF: Filter-theory Currencies BT: Filters



Filter banks

Financial management BT: Biometrics (access

UF: Financial planning control)

Money management Identification of

BT: Management persons

RT: Electronic commerce Pattern recognition

Profitability RT: Image matching Public finance

NT: Costing Fingerprint sensing

Credit cards USE: Fingerprint Finance recognition
Insurance

Investment Fingerprint sensors
Loans and mortgages USE: Fir

Loans and mortgages USE: Fingerprint Management accounting recognition

Mutual funds

Pricing Fingerprint verification
Venture capital USE: Fingerprint

recognition Financial planning

USE: Financial management Fingerprinting

USE: Fingerprint recognition

BT: MOSFET

Fingerprint identification
USE: Fingerprint

Fingers

BT: Extremities

NT: Thumb

recognition

Fingerprint images BT: Surface treatment

USE: Image matching RT: Machining

Fingerprint indexing Materials processing Planing

USE: Fingerprint NT: Surface finishing

recognition

Finite difference methods

Fingerprint matching UF: FDTD

USE: Fingerprint Finite difference time

recognition domain analysis

Finite difference time

Fingerprint modality domain methods

USE: Fingerprint Finite-difference

recognition methods
Finite-difference

Time day to the day

Fingerprint recognition time-domain methods

UF: Fingerprint BT: Mathe

UF: Fingerprint BT: Mathematics identification Numerical analysis

Fingerprint indexing RT: Computational

Finishing

Fingerprint matching electromagnetics

Fingerprint modality Perfectly matched Fingerprint sensing layers

Fingerprint sensors

Fingerprint Finite difference time domain analysis

verification USE: Finite difference Fingerprinting methods



UF: Finite-volume method Finite difference time domain methods BT: Numerical analysis Navier-Stokes Finite difference USE: RT:

UF:

BT:

RT:

NT:

USE:

USE:

Finite-element analysis

USE:

Finite-element methods

Finite-element modeling

Finite-element modelling

USF:

USE:

Finite-volume method USF:

BT:

USE:

USE:

response filters

response filters

FIR filters

USE:

methods

methods

analysis

analysis

analysis

analysis

Finline

lines

FIR

Finite-difference methods

Finite-difference time-domain methods

methods equations

Finite element analysis Finite wordlength effects

Discrete element UF:

method

FEM

Finite element methods

Finite element

modeling

Finite element

modelling

Finite-element

analysis

Finite-element methods

Finite-element

modeling

Finite-element

modelling

Mathematics BT:

Numerical analysis

Eddy current testing RT:

Perfectly matched

layers

Finite element methods

Finite element USE:

analysis

Finite element modeling

USE: Finite element

analysis

Finite element modellina

USE: Finite element

analysis

Finite fields

USE: Galois fields

Finite impulse response filters

UF: FIR

FIR filters

Digital filters BT:

RT: Discrete wavelet

transforms

Frequency response

Finite state machines

USE: Automata

Finite volume methods

Fire extinguishers

BT: Safety devices RT: Fire safety

Overflow oscillations

Quantization (signal)

Truncation errors

Error analysis

Roundoff errors

Finite difference

Finite difference

Finite element

Finite element

Finite element

Finite element

Finite volume methods

Planar transmission

Finite impulse

Finite impulse

Kilns

Fire retardants

USE: Flame retardants Firmware

> USE: Microprogramming

Fire safety

Safety BT: Fish

RT: Fire extinguishers BT: Organisms

Fireproofing Fishbone diagrams

> USE: Flame retardants USE: Cause effect analysis

Fires Fisheries

> UF: Flames USE: Aquaculture

Wild fires

Wildfires Fission reactors

BT: Hazards Nuclear fission UF: Nuclear reactors RT: Accidents

(fission) Emergency services

> Flammability BT: Nuclear power

Hazardous areas generation

Safety Pressure vessels RT:

Smoke detectors Radiation protection

Firewalls (computing) Fitting

> BT: Computer security BT: Assembly

RT: Computer networks RT: Assembly systems

Countermeasures

(computer) Fixed point arithmetic

> Hardware USE: Fixed-point arithmetic

Software

Fixed-point arithmetic FireWire

UF: Fixed point arithmetic

USE: Firewire BT: Arithmetic

Firewire Fixtures

> UF: FireWire UF: Fixturing

BT: Computer interfaces Jigs

Computer peripherals Production equipment RT: BT:

Consumer electronics Machine tools RT: Data communication

Home computing Fixturing

IEEE 1394 Standard USE: **Fixtures** Video signal

processing Flame retardants

Fire retardants UF: Fireworks algorithm Fireproofing

Optimization methods Retardants BT: BT:

RT: Particle swarm RT: Bromine compounds

Flammability optimization

Materials preparation

Firing BT: Materials preparation Flames

> RT: Ceramics USE: Fires

Heat treatment



Flammability

UF: Inflammability

BT: Hazards

RT: Explosion protection

Explosions Fires

Flame retardants Hazardous materials

Flanges

BT: Mechanical products

RT: Rails

Structural plates

Wheels

Flash memories

UF: NAND flash BT: Memory RT: Automation

Computer peripherals

NT: Flash memory cells

Flash memory cells

BT: Flash memories

NT: Split gate flash

memory cells

Flashover

BT: Dielectric breakdown

Flat panel displays

BT: Displays

Flex

USE: Flexible printed

circuits

Flexible ac transmission systems

USE: Flexible AC

transmission systems

Flexible AC transmission systems

UF: FACTS

Flexible ac

transmission systems

BT: Power transmission

Flexible electronics

BT: Assembly systems

RT: Graphene devices

Soft electronics

Flexible fuel vehicles

USE: Land vehicles

Flexible manufacturing systems

BT: Manufacturing

automation

RT: Agile manufacturing

Cellular manufacturing Computer applications

Flexible printed circuits

UF: Flex

BT: Printed circuits

Flexible structures

UF: Deployable structures

BT: Buildings

Structural shapes

RT: Control systems

Decentralized control Mechanical variables

control

Structural engineering

Flickr

BT: Social network

services

Flight control

USE: Aerospace control

Flight simulation

USE: Aerospace simulation

Flip chip

USE: Flip-chip devices

Flip chip solder joints

UF: Castellations
BT: Soldering

RT: Flip-chip devices

Flip-chip

USE: Flip-chip devices

Flip-chip devices

UF: Flip chip

Flip-chip

BT: Semiconductor device

manufacture

Semiconductor devices

RT: Flip chip solder

joints

Microassembly

Microprocessor chips

Microprocessors



System dynamics RT:

Flip-flops NT: Continuous production

BT: Pulse circuits

RT: Logic circuits Flowcharts

BT: Engineering drawings

RT: Programming USE: Frequency locked loops

System analysis and

Floating point arithmetic

USE: Floating-point **Flowmeters**

arithmetic UF: Flow meters BT: Meters

Floating-point arithmetic Automatic meter RT:

UF: Floating point reading

Fluid flow arithmetic

Arithmetic BT: Velocity measurement

design

Floods **Fluctuations**

> BT: Hazards BT: Reliability

Hydrology

RT: Land use planning Flue gases

Rain BT:

Gases Rivers RT:

Air pollution Effluents Structural engineering Exhaust gases

Floors

FLow

FLL

Fluid dynamics BT: Building materials

RT: Construction industry BT: Fluid flow

Tiles Fluids

RT: Hydrodynamics

Floppy disks Lattice Boltzmann

BT: Magnetic memory methods

NT: Buoyancy

Flotation devices Computational fluid

USE: Underwater equipment dynamics

Drag

Navier-Stokes Fluid flow USE:

equations

Rheology Flow batteries

USE: Batteries Fluid flow

UF: Flow

Gas flow Flow graphs UF: Data flow graphs Liquid flow

> Signal flow graphs Smoothed particle

BT: Programmable control hydrodynamics

Circuits RT: BT: Physics

RT: Electrohydraulics

Flow meters Flowmeters

USE: Flowmeters Fluid flow measurement

Fluidics

Flow production systems Hydraulic systems

> UF: Sequential production Hydrodynamics

BT: Manufacturing systems Magnetohydrodynamics



NT: Fluid dynamics Cerebrospinal fluid

Hydraulic diameter

Hydrology

Pipelines BT: Luminescence

Fluorescence

Valves Optics

Fluorescent lamps RT: Fluid flow control

Judd-Ofelt theory

BT: Control systems RT:

Valves Fluorescent lamps BT: Lamps

Fluid flow measurement RT: Fluorescence

UF: Anemometers Lighting BT: Measurement

RT: Fluid flow Fluorine

BT: Hydrologic Chemical elements measurements NT: Fluorine compounds

Pressure gauges Fluorine compounds

Fluidic microsystems BT: Fluorine

BT: Micromechanical NT: Hydrogen fluoride

RT: Microfluidics Flux pinning

Magnetic flux BT: **Fluidics** Superconductivity

BT: Control systems RT: Type II

Fluid flow RT: superconductors

Nanotechnology

Pneumatic systems Fluxtronics Microfluidics NT: USE: Spintronics

Nanofluidics

Fly ash

Fluidisation BT: Ash USE: Fluidization RT: Slag

Fluidization Flyback transformers

UF: Fluidisation UF: FBT BT: Chemical technology LOPT

RT: Fluids Line output

transformer

Fluids BT: Transformers

BT: Materials RT: Cathode ray tubes Electron beam

RT: Buoyancy Fluidization applications

0ils Electron beams

NT: Ferrofluid Ferrite devices Fluid dynamics

> Gases **Flywheels**

Hydraulic fluids BT: Energy storage

Liquids Viscosity FΜ

USE: Frequency modulation

Fluids and secretions BT: Anatomy

fMRI NT: Amniotic fluid



devices

USE: Functional magnetic Consumer products

resonance imaging Food industry

Food manufacturing
Food packaging

BT: Imaging Food preservation
RT: Lenses Sugar industry
Sugar refining

Sugar refining Vegetable oils

Food technology

USE: Edge computing NT: Dairy products
Fats

Food and Drug Administration Sugar

USE: FDA

Focusing

Fog computing

Food industryBT: Industry applications

BT: Manufacturing RT: Food industry

industries Food manufacturing
RT: Beverage industry Food packaging
Consumer products Sugar refining

Food preservation NT: Food preservation Food products

Food technology Foot
Sugar industry BT: Extremities

Sugar refining

NT: Food manufacturing Football
USE: Sports

USE: Sports Food manufacturing

BT: Food industry Footprinting

Manufacturing systems BT: Information retrieval RT: Consumer products RT: Computer hacking Food preservation Computer security Food products Information security

Food technology
Food packaging
Footwear

Food packaging UF: Shoes BT: Clothing

BT: Food manufacturing RT: Clothing industry

Packaging Footwear industry
Food products

Food technology Footwear industry

Food preservation

UF: Shoe manufacture
BT: Manufacturing

UF: Food preservatives industries

BT: Food technology RT: Clothing industry RT: Food industry Consumer products

Food industry Consumer products
Food manufacturing Footwear

Force

Food products

Food preservatives BT: Mechanical factors

USE: Food preservation RT: Dynamics
Force control

Food products Magnetic forces

BT: Manufactured products NT: Gravity
Production

RT: Agricultural products Force control



NT:

RT:

BT: Mechanical variables Resource management

control RT:

Vegetation Vegetation mapping Control systems Wood industry

Force

Robot control

Forgery

Forging

recognition

UF:

BT:

Formal languages

Force feedback UF: Imposter signature

> BT: Haptic interfaces generation

> > BT: Handwriting

> > > Cogging

Manufacturing systems

Force measurement

Mechanical variables BT:

measurement

RT: Gravity

Pressure gauges

NT: Dynamometers

Gravity measurement

Formal concept analysis BT: Mathematical analysis

Force sensors RT: Classification tree

BT: Sensors analysis

Data analysis Knowledge

UF: Prosencephalon representation

BT: Unsupervised learning Brain

Hindbrain RT: Midbrain

Olfactory bulb BT: Computer science NT:

NT: Computer languages Forecast uncertainty Runtime library

Forecasting

Formal logic Uncertainty

> USE: Logic

Forecasting

BT:

Forebrain

BT: Probability Formal specifications

Standardization RT: Prediction methods BT: NT: Demand forecasting RT: Service-oriented systems engineering

Economic forecasting Forecast uncertainty

Technology forecasting

Formal verification BT:

Software engineering Circuits and systems RT: **Forehead**

BT: Head Model checking

Forensic photography Forward contracts

> Image forensics USE: BT: Contracts

Forward error correction **Forensics**

> BT: Law BT: Error correction NT:

Digital forensics RT: Feedforward systems Image forensics

Fossil fuels

Forestry BT: Fuels

BT: Geoscience RT: Air pollution RT: Pulp and paper NT: Natural gas

industry



Foundries

BT: Production facilities

RT: Casting USE: Field programmable

Furnaces

Heat treatment

Materials processing Fraccing

Four wave mixing

USE: Four-wave mixing

Four-wave mixing

UF: Four wave mixing

BT: Distortion techniques

Optics RT:

Fourier series

BT: Mathematics Fractal antennas

RT: Data compression BT: Antennas

Signal processing

Spectroscopy

Fourier transform infrared spectra

Fourier transform USF:

infrared spectroscopy

Fourier transform infrared spectroscopy

UF: Fourier transform

infrared spectra

Fourier transforms BT:

Spectroscopy

Fourier transforms

Transforms BT:

RT: Acoustics BT: Mathematical analysis

> Cepstrum Diffraction

Harmonic analysis

Optics 0

Partial differential

equations

Probability Statistics

Time-frequency

analysis

NT: Discrete Fourier

transforms

Fast Fourier

transforms

Fourier transform

infrared spectroscopy

FPAA

USE: Field programmable

Francium analog arrays

Fracking

gate arrays

USE:

FPGA

UF: Fraccing

Hydraulic fracking

BT: Hydrological

Mining industry

Fracking

Natural gas

Fractal art

BT: Art

Fractals

BT: Computational geometry

RT: Antennas

Chaos

Computer graphics

Econophysics

Fractional brownian motion

USF: Brownian motion

Fractional calculus

Fractionation

BT: Separation processes

RT: Chemical analysis

Petroleum industry

NT: Field-flow

fractionation

Frame relay

Communication BT:

switching

Packet switching

RT: B-ISDN

Computer networks

ISDN

Protocols

Wide area networks



BT: Chemical elements Electric variables RT:

control

Free electron lasers Frequency locked loops Cerenkov lasers

Mechanical variables

BT: control Lasers

Electron beams Optical variables RT:

> Relativistic effects control

Undulators Tuners

NT: Automatic frequency

Free trade control

UF:

Freight handling

UF:

USE: Trade agreements Tunable circuits and devices

Free-space optical communication Tuning

BT: Optical fiber

Frequency conversion communication

UF: Frequency division

Freight containers Frequency

BT: Containers multiplication RT: Freight handling Harmonic generation

Transportation BT: Converters

RT: Image converters Image intensifiers

Cargo handling NT: Mixers Optical frequency

BT: Materials handling RT: Freight containers conversion

Lifting equipment

Pullevs Frequency dependence

Transmission line UF: Frequency dependent

discontinuities BT: Frequency NT: Filling

Loading Frequency dependent

> USE: Frequency dependence

Frequency BT: Electromagnetic Frequency diversity

radiation BT: Frequency

Band-pass filters

Frequency division Transmission line Frequency conversion

USE: theory

Electric variables

Radio spectrum

Frequency division multiaccess NT: Bandwidth

> Frequency dependence UF: FDMA Frequency diversity BT: Multiaccess

Frequency communication

Broadband synchronization RT:

Resonant frequency communication

Frequency allocation Frequency division multiplexing

Frequency multiplexing

UF:

management BT: Multiplexing

Frequency control

UF: Frequency regulation Frequency domain

BT: Ultrasonics, USE: Frequency-domain

ferroelectrics, and frequency control analysis



USE:

Frequency domain analysis

Frequency-domain USE:

analysis

Frequency estimation

BT: Frequency measurement Parameter estimation

RT: Spectral analysis

Speech analysis

Frequency hop communication

USE: Spread spectrum

communication

Frequency hop radar

USE: Spread spectrum radar

Frequency locked loops

UF: FLL

BT: Linear feedback

control systems

Signal processing

Frequency control RT:

> Frequency synthesizers Phase locked loops Synchronization

Frequency measurement

BT: Measurement

RT: Acoustic measurements

Atomic clocks

Doppler measurement

Electric variables

measurement

Electromagnetic

measurements

Frequency response

Mechanical variables

measurement

Optical variables

measurement

Phase frequency

detector

Time-frequency

analysis

Wavelength measurement

NT: Frequency estimation

Frequency-domain

analysis

Frequency modulation

UF:

BT: Modulation Radio broadcasting

RT: Demodulation

NT: Frequency shift keying

Frequency multiplexing

Frequency division USE:

multiplexing

Frequency multiplication

USE: Frequency conversion

Frequency regulation

Frequency control USE:

Frequency response

BT: Testing RT: **Amplifiers**

> Digital filters Finite impulse

response filters

Frequency measurement

Impulse testing

Frequency selective surfaces

UF: **FSS**

BT: Antenna theory

Frequency shift keying

UF:

Frequency-shift

modulation

Frequency-shift

signaling

BT: Frequency modulation

Frequency synchronization

BT: Frequency

Frequency synthesizers NT:

Frequency synthesizers

BT: Frequency

synchronization

Frequency locked loops RT:

Tuners

Frequency-domain analysis

UF: Frequency domain

Frequency domain

analysis

BT: Frequency measurement

RT: Circuit analysis

Functional analysis

Signal analysis



NT: Time-frequency Frequency selective USE:

analysis surfaces

Frequency-hop communication FTTH

USE: Spread spectrum USE: Optical fiber

communication subscriber loops

Frequency-selective fading channels Fuel additives

> BT: Fading channels USE: Additives

Fuel cell vehicles Frequency-shift modulation

USE: Frequency shift keying BT: Electric vehicles

Frequency-shift signaling Fuel cells USE:

Frequency shift keying Traction motors Vehicle-to-grid

RT:

Energy storage

Fresnel integral USE: Fresnel reflection Fuel cells

UF: Enzymatic fuel cells

Fresnel Lenses Microbial eletrolysis

USE: Fresnel reflection cells

Microbial fuel cells

Fresnel reflection Solid oxide

electrolyzer cells UF: Fresnel integral

> Fresnel lenses BT: Electrochemical

Fresnel zones devices

BT: Reflection Energy conversion Energy storage

Fresnel zones Fuel cell vehicles RT:

Fresnel reflection USF: Fuel storage Power generation

Friction

Mechanical factors Fuel economy BT:

RT: BT: Economics Drag Dynamics Fuels

Lubrication

NT: Mechanical bearings Fuel processing industries UF: Coal tar

Friction stir processing BT: Manufacturing

USE: Strain control industries

RT: Fuel storage

Frontal lobe Fuels

> BrainLobe UF: Mining industry Oil drilling BT: Brain

0ils

Froth flotation Petroleum

Petroleum industry USE: Manufacturing

processes

Fuel pumps FSK BT:

Pumps USE: Frequency shift keying RT: Engines

Fuels

FSS Fuel storage



UF: Fuel tanks Frequency-domain

Oil tanks analysis

BT: Material storage Inverse problems

Containers Lyapunov methods
Energy storage Wave functions
Fuel cells

Fuel processing Functional electrical stimulation

industries USE: Neuromuscular

Fuels stimulation

Fuel tanks Functional magnetic resonance imaging

USE: Fuel storage UF: fMRI

BT: Magnetic resonance

Fuels imaging

RT:

RT:

BT:

USE:

BT: Energy resources RT: Biomedical image

Manufactured products processing

Fuel processing Functional neuroimaging

industries BT: Neuroimaging

Fuel pumps

Fuel storage Functional point analysis
Methanol BT: Estimation

Petrochemicals Size measurement
Waste materials RT: Cost benefit analysis

NT: Biofuels Software engineering

Coal

Fossil fuels Functional programming

Fuel economy BT: Programming Nuclear fuels RT: Python

Petroleum

Fullerenes

Coal gas

Fullerenes BT: Organisms

UF: Buckeyballs

Buckminsterfullerene Furnaces

Buckyballs BT: Machinery Buckytubes RT: Building services

CarboFullerene Foundries
Fullerites Gas appliances
Carbon Heating systems

Fungi

NT: Blast furnaces

Fullerites Kilns

Function approximation

Function approximation

Function approximation

USE: Continuing education

Function approximationBT: Approximation methods
USE: Continuing education

BT: Approximation methods
RT: Computer science Fuses

BT: Electronic components

Function generators RT: Interrupters
USE: Signal generators Power system

protection

Functional analysis Protection

BT: Mathematics Switchgear RT: Eigenvalues and

eigenfunctions Fusion power generation



BT: Nuclear and plasma NT: Fuzzy cognitive maps Takagi-Sugeno model

sciences

Nuclear power

generation

Fusion reactors RT:

Magnetic confinement

Fusion reactor design

BT: Fusion reactors

Fusion reactors

UF: Nuclear reactors

(fusion)

Thermonuclear fusion

Nuclear and plasma BT:

sciences

RT: Fusion power

generation

NT: Fusion reactor design

Tokamaks

Fusion splicing

USF: Splicing

Technology forecasting USE:

Fuzz testing

USE: Fuzzing

Fuzzing

Futurism

UF: Fuzz testing

BT: Software testing

Fuzzy cognitive maps

BT: Fuzzy logic

Fuzzy control

BT: Fuzzy systems RT: Fuzzy logic

Fuzzy sets

Takagi-Sugeno model

Fuzzy inference

USE: Fuzzy logic

Fuzzy logic

UF: Fuzzy inference

BT: Logic

Fuzzy control RT:

Fuzzy reasoning

Fuzzy sets

Fuzzy systems

Possibility theory

Fuzzy neural nets

USE: Fuzzy neural networks

Fuzzy neural networks

UF: Fuzzy neural nets

> Neuro fuzzy networks Neuro-fuzzy networks

BT: Fuzzy systems

Fuzzy reasoning

BT: Inference mechanisms

RT: Fuzzy logic

Fuzzy set theory

BT: Set theory RT:

Fuzzy sets Fuzzy systems

Power system faults

TOPSIS

Fuzzy sets

Set theory BT:

RT: Fuzzy control

Fuzzy logic

Fuzzy set theory Fuzzy systems

Nonlinear dynamical

systems

Uncertainty

Fuzzy systems

BT: Computational

intelligence

RT: Fuzzy logic

Fuzzy set theory

Fuzzy sets Large-scale systems

Takagi-Sugeno model

NT: Fuzzy control

Fuzzy neural networks

Hybrid intelligent

USE: Gallium

USE: Gallium arsenide

Gabor filters

BT: Filters



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systems

Ga

GaAs

RT: Image processing

Gallium alloys

Gadolinium BT: Gallium BT: Chemical elements RT:

Alloying NT: Gadolinium oxide Wide band gap

semiconductors

materials

nitride

Gadolinium oxide

Gadolinium BT: Gallium arsenide

> UF: GaAs

Gain BT: Electric variables Gallium-arsenide Gallium-arsenide

(GaAs)

Automatic gain control

Electric variables

Gain control Gallium compounds BT:

Semiconductor

BT: control

UF:

Gallium compounds

Gain measurement UF: Gallium devices BT: Measurement

Gallium materials

RT: Electric variables measurement

BT: Compounds RT: Alloying Gallium

Refractive index

NT: Aluminum gallium

Gait assessment

Legged locomotion USE:

Gallium arsenide Gallium nitride Indium gallium

Gait control

USE: Legged locomotion arsenide

Indium gallium nitride

Gait disorders

USE: Legged locomotion Gallium devices

> USE: Gallium compounds

Gait recognition

BT:

RT:

BT: Biometrics (access Gallium materials

control) USE: Gallium compounds

Galerkin method Gallium nitride

> Method of moments USE: BT: Gallium compounds

Gallbladder Gallium-arsenide

> Digestive system USE: Gallium arsenide

Gallium Gallium-arsenide (GaAs)

> UF: Ga USE: Gallium arsenide

Metals

Galois fields Semiconductor

materials UF: Field multiplication

> Epitaxial growth Finite fields

Gallium compounds BT: Abstract algebra Molecular beam

Galvanising epitaxial growth

> Semiconductor thin USE: Galvanizing

NT: Gallium alloys Galvanizing



films

UF: Galvanising

BT: Surface treatment USE:

Corrosion RT:

Corrosion inhibitors

Protection

Game theory

BT: Decision making RT: Control systems

Games

Minimax techniques

Oligopoly

Optimal control

Predator prey systems

NT: Nash equilibrium

Games

UF: Serious games

> Video games video-game

BT: Consumer products

RT: Entertainment industry

> Game theory Sports

NT: Cloud gaming

Gaming on demand

USE: Cloud gaming

Gamma distribution

BT: Statistics

RT: Probability

Gamma phase iron

Austenite USF:

Gamma radiation detectors

USE: Gamma-ray detectors

Gamma ray bursters

USE: Gamma-ray bursts

Gamma ray bursts

USE: Gamma-ray bursts

Gamma ray detection

USE: Gamma-ray detection

Gamma ray detectors

USE:

Gamma-ray detectors

Gamma ray effects

USE: Gamma-ray effects Gamma rays

Gamma-rays

Gamma-ray bursts

UF: Cosmic gamma ray

bursts

Gamma ray bursters Gamma ray bursts

BT: Gamma-rays

Gamma-ray detection

UF: Gamma ray detection

BT: Gamma-rays

Gamma-ray detectors

UF: Gamma radiation

detectors

Gamma ray detectors

Radiation detectors BT:

RT: Astronomy Biomedical

applications of radiation

X-ray detectors X-ray imaging

Gamma-ray effects

UF: Gamma ray effects

BT: Gamma-rays

Radiation effects

Gamma-ray imaging

USE: Nuclear imaging

Gamma-rays

UF: Gamma rays

BT: Electromagnetic

radiation

Nuclear and plasma

sciences

Collimators RT:

Nuclear medicine

NT: Gamma-ray bursts

> Gamma-ray detection Gamma-ray effects

GAN

Generative adversarial USE:

networks

Ganglia

UF: Ganglion

BT: Cells (biology)

Nervous system



Ganglion USE: Discharges (electric)

USE: Ganglia

Garbage collection (computers) USE: Fluid flow

> USE: Memory management

Gas industry Garment industry BT: Industries

USE: Clothing industry RT: Petroleum industry

Gas insulated switchgear Garments

> USE: Clothing USE: Gas insulation

Garnet films Gas insulated transmission lines

BT: UF:

Ferrimagnetic films Ferrimagnetic Gas-insulated lines

GTTI

Gas flow

Gas-insulated materials

Films transmission

> Garnets BT: Power transmission

Magnetic films lines

Magnetic materials RT: Gas insulation

Gas insulation Garnets

Gas insulated BT: Ferrimagnetic UF:

materials switchgear

> Magnetic materials BT: Insulation Garnet films Gas insulated NT: RT:

transmission lines

Gas appliances Gases

Sulfur hexafluoride BT: Home appliances NT: RT: **Furnaces**

Space heating Gas lasers

UF: Atomic lasers

Metal vapor lasers Gas chromatography

BT: Measurement BT: Lasers RT: Atom lasers **Gas detectors** Chemical lasers

UF: Gas sensors Gases

biological sensors Gas platforms

RT: Chemical transducers USE: Offshore installations

NT: Amperometric sensors

Gases

Chemical and

Gas sensors USE:

Gas discharge devices Gas detectors BT: Nuclear and plasma

Gas-insulated lines sciences

Gas insulated RT: Discharges (electric) USF:

Electrophotography transmission lines

Lighting Gas-insulated transmission Plasma devices USE: Gas insulated

Thyratrons transmission lines

NT: Glow discharge devices

Gases

Gas discharges BT: Fluids



BT:

RT: Discharges (electric)

Gas discharge devices

Gas insulation Gas lasers

Materials science and

technology

Natural gas

NT: Argon

Carbon emissions

Coal gas Exhaust gases Flue gases

Helium

Hydrogen

Nitrogen

0xygen Syngas

Xenon

Gaskets

BT: Seals

Engine cylinders RT:

Engines **Pistons**

Gasoline

USE: Petroleum

Gastroenterologists

Gastroenterology USF:

Gastroenterology

UF: Gastroenterologists BT: Medical specialties

Gastrointestinal

USE: Gastrointestinal tract

Gastrointestinal tract

UF: Gastrointestinal

BT: Digestive system

Gate drivers

Power electronics BT: High power amplifiers RT:

MOSEFT

Gate leakage

BT: Leakage currents Solid state circuits

Tunneling

Gate Leakage current

USE: Leakage currents **GATT**

USE: Trade agreements

Gaussian approximation

BT: Gaussian distribution

Gaussian channels

BT: Communication channels

RT: Intersymbol

interference

NT: AWGN channels

Gaussian distribution

Normal distribution UF:

BT: Statistical

distributions

NT: Gaussian approximation

Gaussian mixture model

BT: Gaussian processes

Statistics

Gaussian noise

BT: Noise

RT: Additive white noise

> Image denoising Signal processing TV interference

AWGN NT:

Gaussian processes

BT: Stochastic processes RT: Inference mechanisms Learning (artificial

intelligence)

Prediction methods

Gaussian mixture model NT:

Gaze tracking

BT: Control systems

Human computer

interaction

RT: Assistive technology

Computer vision

Eyes

Face recognition Motion measurement Position measurement User interfaces

Video signal

processing

Electrooculography



GDP Ethics USE: Economic indicators Privacy

GDPR Generation of electric power

USE: General Data USE: Power generation

Protection Regulation

BT:

Ge Si USE: Millennials

USE: Germanium silicon Generative adversarial networks alloys

UF: GAN

Gears BT: Algorithm design and

UF: Bevel gears analysis

Differential gears RT: Artificial Helical gears intelligence

Convolutional neural Spur gears

Generation Y

Worm gears networks

BT: Machinery Machine learning

Mechanical products Neural networks RT: Automotive components Unsupervised learning

Machine components

Machine tools Generators

Mechanical power UF: Dynamo Electric machines transmission BT:

Mechanical splines Rotating machines Mechanical systems RT: Coils

Production equipment **Islanding**

Shafts Power generation AC generators Torque converters NT:

NT: Magnetic gears DC generators

Electric generators Gender equity Standby generators

Equal opportunities Genetic algorithms

Gender issues BT: Algorithms

BT: Equal opportunities Computational

RT: Digital divide intelligence

RT: Job shop scheduling Gene expression Pareto optimization

Search methods BT: Gene therapy

Genetic communication Gene therapy

> BT: Genetics BT: Genetics

NT: Gene expression Information theory

Biological information RT:

General agreement on tariffs and trade theory

Trade agreements USE: Biomedical engineering

UF: **GDPR** Genetic engineering

> BT: Data protection UF: Genetically modified

Government policies crops

Legislation BT: Engineering in

medicine and biology RT: Data handling



General Data Protection Regulation

RT: Agriculture Geodesy

Biomedical engineering BT: Geophysical

Biotechnology measurements

Position measurement Ethical aspects RT:

Theodolites

Molecular biophysics Level measurement NT:

Tissue engineering

Genetics

DNA

BT:

USE:

Geodynamics

Genetic expression BT: Geophysics BT: Genetics

Geoengineering

Genetic mutations UF: Engineering geology

Geological engineering

Geotechnical

Genetic programming engineering

Genetics Geoscience BT: BT: RT: Drilling Genetically modified crops Geology

Geophysics Hydrological

GIS

Genetics techniques

Genetic engineering

BT: Biology Mining industry

RT: Amniocentesis

> Genetic engineering Geographic information systems UF: Memetics

BT: Molecular biophysics Geoscience and remote

NT: DNA sensing

Gene therapy Global communication

Intelligent Genetic communication

Genetic expression transportation systems

Genetic programming RT: Image databases Genomics NT: Geospatial analysis Gunshot detection

Genomes systems USE: Genomics

Geography **Genomics**

BT: Geoscience UF:

Genomes RT: Geospatial analysis Rural areas BT: Genetics NT:

> Molecular biomarkers Urban areas

Geologic measurements Geo tagging

> USE: Location awareness BT: Measurement RT: Geology

Geoacoustic inversion Geophysical

BT: Sea measurements measurements

Hyperspectral sensors Geochemistry

Remote sensing Hydrochemistry Terrain mapping Chemistry Theodolites

Geoscience RT: Geophysics Geological engineering

Salinity (geophysical) USE: Geoengineering



UF:

BT:

Geology Theodolites BT: Geoscience

Tomography RT: Geoengineering

Vegetation mapping Geologic measurements NT: Geophysical image

Geophysics processing Minerals NT:

Geophysical measurements Rocks

UF: Geophysical techniques Geomagnetic navigation BT: Geoscience and remote

USE: Geomagnetism AND sensing

Navigation

Measurement RT. Atmospheric

Geomagnetism measurements

> UF: Geomagnetic navigation Buried object

Geomatics detection

Geologic measurements BT: Magnetic fields

RT: Electromagnetic Geomagnetism Geophysical signal

induction Geophysical processing

measurements Geophysics

> Geophysics Gravity measurement Magnetosphere Pressure gauges Remote sensing

Soil measurements Geomagnetism Terrain mapping

NT: Geodesy

Geometrical optics Sea measurements BT: Optics 0 Seismic measurements

> RT: Reflectivity

NT: Geophysical signal processing Ray tracing BT: Geoscience and remote

Geometry sensing

Mathematics BT:

Signal processing RT: Layout RT: Geophysical

Shape measurements

NT: Computational geometry Elliptic curves Geophysical techniques

Elliptic design USE: Geophysical

Information geometry measurements

Projective geometry

Surface topography Geophysics

Geoscience BT: Geophysical image processing Physics

BT: Geophysical RT: Earth

measurement techniques Geochemistry

Image processing Geoengineering

Geology Geophysical measurement techniques Geomagnetism

Geoscience and remote Geophysical BT: measurements

sensing RT: Laser radar

Hydrologic Magneto electrical measurements

resistivity imaging technique Hydrological

Remote sensing techniques



Geomatics

USE:

Oceans Geoscience and remote sensing

Terrestrial atmosphere NT: Environmental factors

EMTDC Geographic information

Geophysical

Extraterrestrial systems

NT:

analysis

phenomena

Geodynamics measurement techniques

Geophysics computing Geophysical

Meteorology measurements
Moisture Geophysica

Moisture Geophysical signal Seismology processing

Surface waves Geoscience
Well logging Land surface

temperature

Geophysics computing Photometry

BT: Geophysics Radar
RT: Computer aided Radiometry
Remote sensing

Terrain mapping

Geoscience Terrestrial atmosphere
UF: Earth science Vegetation mapping

BT: Geoscience and remote

sensing Geospatial analysis
Science - general BT: Geographic information

RT: Hydrological systems

techniques RT: Geography NT: Antarctica Software

Arctic
Atmosphere GEOSS
Biosphere USE: Global Earth

Biosphere USE: Global Earth
Continents Observation System of Systems
Cyclones

Earth Geostationary communication satellites

Earthquakes USE: Geostationary

Forestry satellites

Forestry satellites
Geochemistry

Geoengineering Geostationary satellites

Geography UF: Geostationary Geology communication satellites Geophysics BT: Satellites

Ice RT: Orbits
Lakes

Land surface Geosynchronous satellites

Levee BT: Satellites Meteorological factors

Oceanography Geotechnical engineering

Oceans USE: Geoengineering Rivers

Sediments Geotechnical structures

Soil USE: Civil engineering

Geothermal energy

Tornadoes

Volcanoes BT: Energy resources

Wetlands RT: Geothermal power generation



Tsunami

Geothermal power generation

BT: Power generation

RT: Geothermal energy

Geriatrics

Medical treatment BT:

Assisted living RT:

Gerontology

Senior citizens

Germ warfare

Biohazards USE:

Germanium

Metals BT:

Semiconductor

materials

RT: Epitaxial growth

Semiconductor thin

films

Silicon germanium

Germanium alloys NT:

Germanium alloys

Germanium BT:

RT: Alloying

NT: Germanium silicon

alloys

Germanium silicon alloys

UF: Ge Si

BT: Germanium alloys

Silicon alloys

Germs

USE: Pathogens

Gerontechnology

BT: Biomedical equipment

Gerontology

RT: Assistive technology

Gerontology

BT: Medical specialties

Aging RT:

Alzheimer's disease

Geriatrics

Senior citizens

NT: Gerontechnology

Gesture recognition

BT: Pattern recognition

NT: Sign language Gettering

UF: Getters

> BT: Vacuum systems

RT: Electron tubes

Integrated circuit

manufacture

Semiconductor device

manufacture

Vacuum technology

Getters

USE: Gettering

GHZ transverse electromagnetic cells

TEM cells USE:

Giant magnetoresistance

BT: Magnetoresistance

RT: Hard disks

Magnetoresistive

devices

Thin film devices

Girders

USE: Structural beams

GIS

Geographic information USE:

systems

GITL

USE:

Gas insulated

transmission lines

Glands

Glass

UF: Endocrine glands

Exocrine glands

Biological tissues BT: NT:

Mammary glands

Pituitary gland

Salivary glands Sebaceous glands

Sweat glands

BT: Amorphous materials

Glass products

RT: Ceramics

Dielectric materials

Glass industry

Insulation

Optical materials



Glass bottles UF: GEOSS

USE: Glass products BT: Earth Observing System

Glass ceramics Global groups

USE: Ceramics USE: Global communication

Glass furnaces Global markets

USE: Glass manufacturing USE: Globalization

Glass industry Global navigation satellite system

BT: Manufacturing UF: GNSS

industries
RT: Glass systems

Glass manufacturing RT: Global Positioning

BT:

Satellite navigation

Page 215

Glass products System

Glass manufacturing Global Navigational Positioning System

UF: Glass furnaces USE: Global Positioning

BT: Manufacturing systems System

RT: Glass industry

Glazes

NT·

Global Positioning System

Glass products

UF: DGPS

UF: Glass bottles Differential GPS

BT: Manufactured products GPS

RT: Bottling Global Navigational

Ceramic products Positioning System

Ceramics BT: Satellite navigation

Chemical products systems

Glass industry RT: Air transportation

Windows Global navigation

NT: Glass satellite system

Indoor navigation

BT: Coatings Marine transportation
RT: Ceramics Military satellites
NT: Ceramic glazes Road transportation

Satellite broadcasting

Glial cells Satellite

UF: Neuroglia communication

BT: Cells (biology) Telecommunications

Nervous system Terrain mapping

measurement

Global communication Global System for Mobile Communications

UF: Global groups USE: GSM

Global teams

BT: Professional Global teams

communication USE: Global communication

communication Global warming

Engineers (IEEE) for the benefit of humanity.

Cross-cultural

Geographic information BT: Environmental factors

systems Temperature

Global Earth Observation System of Terrestrial atmosphere

Systems RT: Air pollution

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Atmospheric USE: Eye protection

measurements

Carbon emissions Gold

Energy informatics UF: Au Environmental BT: Metals Gold alloys

management

Greenhouse effect

Land surface

Gold alloys BT:

temperature Low-carbon economy

Ocean temperature

Thermal pollution

Goniometers BT:

Globalisation

USE: Globalization

Globalization RT: Information retrieval UF: Global markets

Information services

Computer networks

Gold

Alloying

Meters

Globalisation Internet

Google

BT: Social implications of Online services

technology

Glossaries

Google Chrome RT: International

collaboration USF: Browsers

International

relations Government BT:

International trade Organizations Trade agreements RT: Governmental factors

Macroeconomics

Public finance

NT:

RT:

BT:

NT: USF: Terminology Electronic government

Government policies

Glow discharge devices Legislation BT: Gas discharge devices Local government RT: Glow discharges US Government

Light sources Voting

Glow discharges Government borrowing

> Dielectric breakdown USE: Public finance BT:

Glow discharge devices RT:

Government expenditure

USE: Public finance Glucose USE: Sugar

Government policies

Glycomics BT: Government

Molecular biomarkers RT: Censorship

Public infrastructure

General Data **GNP** NT:

> Economic indicators Protection Regulation Public policy

USE: Global navigation Governmental factors

satellite system BT: Management RT: Government

Goggles Legal factors



GNSS

BT:

USE:

Social factors BT: Combinatorial

NT: Public finance mathematics

> Mathematics Ant colony

GPR RT: USE: Ground penetrating optimization

Circuit topology radar

Topology

GPS NT: Bipartite graph

Directed acyclic graph

Optimal matching

Reachability analysis Shortest path problem

Tree graphs

GPU

USE:

USE: Graphics processing

units

System

Graphene **Gradient methods**

Global Positioning

BT: Mathematics

> Numerical analysis Optimization methods

RT: Level set

Search methods

Grain alcohol

USE: Ethanol

Grain boundaries

BT: Crystals RT:

Conductivity Corrosion

Grain size

Thermal conductivity

Grain size

BT: Crystals

RT: Grain boundaries

Grammar

Professional BT:

communication

Writing

RT: Syntactics

Granular computing

BT: Programming

Concurrent computing RT:

Information processing

Granular superconductors

BT: Superconducting

materials

RT: High-temperature

superconductors

Graph theory

Carbon BT:

NT: Graphene devices

Graphene devices

BT: Graphene RT: Field effect

transistors

Flexible electronics Molecular electronics

Nanoelectronics

Graphic user interfaces

USE: Graphical user

interfaces

Graphical models

BT: Modeling

Graphical user interfaces

UF:

Graphic user

interfaces

Product development BT:

User interfaces

Avatars NT:

Graphics

BT: Design methodology

RT: Displays

Technical drawing

NT: Animation

Art

Character generation Computer graphics Engineering drawings

Layout Shape

Symbols

Virtual reality



Visualization Gray-scale

UF: Grayscale

Graphics processing unitsBT: Image processing

VPU Grayscale

BT: Program processors USE: Gray-scale RT: Computer graphics

Hardware acceleration Greedy algorithms

Graphite
UF: Black lead Green buildings

UF:

GPU

Plumbago BT: Construction
BT: Carbon Green products

RT: Lead RT: Environmental factors

BT:

Computation theory

Green design

Grasping
BT: Haptic interfaces Green cleaning

BT: Green products

Gratings
UF: Optical gratings
Green computing

Transient gratings BT: Computer applications

BT: Periodic structures Energy conservation

RT: Optical devices Green design

RT: Environmental factors

Gravimeter Sustainable USE: Gravity measurement development

Gravitational force Green design

USE: Gravity UF: Environmental design

Sustainable design BT: Design methodology

Gravitometer

USE: Gravity measurement

BT: Design methodology

RT: Energy informatics

Green buildings
ity NT: Ecodesign

Gravity

UF: Gravitational force

NT: Ecodesign

Green computing

BT: Force

RT: Acceleration Green function

Force measurement USE: Green's function

methods

Gravity measurement

UF: Gravimeter Green manufacturing

Gravitometer BT: Environmental factors

BT: Force measurement Manufacturing

RT: Astrophysics

Geophysical Green products

measurements BT: Environmental factors RT: Biohazards

Gray codes Pollution

USE: Reflective binary NT: Green buildings

codes Green cleaning

Gray matter Green transportation

USE: Grey matter BT: Environmental factors

Transportation

Green's function BT: Materials handling

> USE: Green's function equipment

methods RT: End effectors

Loading

GPR

Imaging

Buried object

Radar imaging

Radar detection

Synthetic aperture

Stationary state

Aerospace ground

Aerospace ground

Aerospace control

Military equipment

Space vehicles

Aircraft

Missiles Navigation

Rockets

Ultra wideband radar

Radar

Economic indicators

Economic indicators

Ground-penetrating

Green's function methods

Green function UF:

Green's function

Green's functions

BT: Modeling

RT: Failure analysis

Materials reliability

Green's functions

USE: Green's function

methods

Greenhouse effect

UF: Greenhouse gas

BT: Infrared heating RT:

Carbon emissions

Environmental factors

Global warming Low-carbon economy

Pollution control

Ground source heat pumps

USE:

UF:

BT:

RT:

Ground support

equipment

services

Gross domestic product

Gross national product

Ground penetrating radar

USE:

UF:

BT:

RT:

radar

radar

detection

USE:

USE: Greenhouse effect USE: Heat pumps

Ground state Greenhouses

> Agriculture BT:

Production facilities

Crops RT:

Grey codes

Greenhouse gas

USE: Reflective binary

codes

Grey matter

UF: Gray matter

> BT: Central nervous system

Grid computing

UF: Grid maze

BT: Metacomputing

Grid maze

USE:

Ground temperature

Land surface USE:

Grid computing temperature

Grinding machines Ground transportation

> BT: Machine tools USE: Land transportation

Ground vehicles **Grippers**

> Land vehicles Microgrippers USE: UF:



Guns

BT:

Weapons

Ground-penetrating radar

UF:

Ground penetrating USE:

radar **Gunshot detection systems**

BT: Geographic information

Grounding systems

> earthing Sensor systems

Electrical safety BT: RT: Circuit stability

Gynaecology Electric shock USE: Gynecology Fault currents

Power system

Gynaecology protection UF:

> Protection BT: Medical specialties

Gynecology

Group technology **Gyrators**

> Active circuits BT: Production BT: RT: Product design RT: Active inductors

Production control Ferrite devices

Gyroklystrons Groupware

Collaborative work USE: USE: Klystrons

GSM Gyromagnetism

UF: Global System for BT: Magnetics Mobile Communications RT: Faraday effect

> BT: Wireless communication **Ferrites** RT: Dual band Gyrotropism Roaming

Gyroscopes

GTEM cells UF: Non-gyroscopes USE:

Nongyroscopes TEM cells BT: Level control

GUI RT: Laser applications

USE: Graphical user Ring lasers interfaces

Gyrotrons

Guided electromagnetic wave propagation BT: Masers

Waveguide theory USE: RT: Electron beams

Guidelines Gyrotropism

> Standardization Magnetooptic effects BT: BT:

Faraday effect RT: IEEE publishing RT: IS0 Gyromagnetism

Publishing

H infinity control UF:

Guideways (mechanical) H-infinity control USE: Mechanical guides BT: Optimization methods RT: Closed loop systems

Gunn devices Control systems

UF: Transferred electron Intelligent control devices Optimal control

> BT: Semiconductor devices H-infinity control



USE: H infinity control Hall mobility

> USE: Hall effect

H20

Hacks

USE: Water Ham radios

> BT: Radio communication

Hacker equipment USE: Computer hacking

Hamming distance

Hacking BT:

Information theory USE: Computer crime

Hamming weight

BT: Information theory USE: Computer hacking

HAMR

Haemorrhaging USE: Heat-assisted magnetic

USE: Hemorrhaging recording

Hafnium Hand tools

UF: Hf Tools BT:

BT: Chemical elements RT: Machine tools Metals

RT: Nuclear physics

Hafnium compounds NT: UF: BlackBerry

Handheld devices Hafnium compounds Wireless handheld

BT: Hafnium devices

> RT: Alloying BT: Portable computers

Handheld computers

Hafnium oxide NT: NT: Personal digital

assistants

BT: Hafnium compounds Handheld devices

USE: Handheld computers

Hair

Hafnium oxide

Handicapped aids BT: Integumentary system

NT: Eyebrows USE: Assistive technology

> Eyelashes Hair follicle

BT: Communication

Handover

switching

Hair follicle

USE:

Data transfer BT: Hair

RT: Cellular networks

Half-wave plates Communication system

Optical retarders signaling Satellite

Hall effect communication

UF: Hall mobility

BT: Magnetoelectric Handsets

effects USE: Telephone sets

Hall effect devices RT:

Handwriting recognition Hall effect devices Signature detection UF:

BT: Semiconductor devices Signature verification

RT: Hall effect Written character

recognition



Written characters

Written-character

recognition

BT: Identification of

persons

Pattern recognition

RT: Biometrics (access

control)

NT: Forgery

Haptic interfaces

UF: Haptic systems

Haptics

BT: Computer interfaces

RT: Modeling

Touch sensitive

screens

NT: Data gloves

Force feedback

Grasping

Haptic systems

USE: Haptic interfaces

Haptics

USE: Haptic interfaces

Hard amorphous carbon

USE: Diamond-like carbon

Hard disc drives

USE: Hard disks

Hard discs

USF: Hard disks

Hard disk drives

USE: Hard disks

Hard disks

UF: Hard disc drives

Hard discs

Hard disk drives Hard-disc drives Hard-disk drives

BT: Magnetic memory

RT: Giant

magnetoresistance

Hard-disc drives

USE: Hard disks

Hard-disk drives

USE: Hard disks

Hardsuit

USE: Wearable robots

Hardware

UF: Computer hardware

BT: Computers and

information processing

NT:

RT: Computer ports

Firewalls (computing)
Hardware acceleration

Input devices

Open source hardware Reconfigurable devices Wireless access points

Hardware acceleration

UF: 3D accelerators

Accelerated computing

Cryptographic

accelerators

BT: Computer performance

Hardware

RT: Central Processing

Unit

Graphics processing

units

Hardware description languages

USE: Hardware design

languages

Hardware design languages

UF: HDL

HDVL

Hardware description

languages

IEEE 1364

BT: Computer languages RT: Design automation

Hardware-in-the loop simulation

UF: HIL simulation BT: Simulation

RT: Aerospace control

Control engineering

computing

Control system

synthesis

Embedded systems
Real-time systems

Testing

Vehicle dynamics



Harmonic analysis Protection

> UF: Harmonics Radioactive pollution BT: Mathematics Radioactive waste

> > Signal analysis Safety Fast Fourier Surveillance

transforms

Fourier transforms Hazardous materials UF: Spectral analysis Hazmat Wavelet transforms BT: Hazards Materials

RT:

BT:

Chemical hazards

Harmonic distortion

RT:

BT: Nonlinear distortion Flammability RT: Hazardous areas Power conversion harmonics Radioactive waste

Harmonics suppression NT: Toxicology

Total harmonic

Hazards distortion

Safety Harmonic filters RT: Contamination

BT: **Filters** Explosion protection

Occupational stress

Pest control Harmonic generation USE: Frequency conversion Rescue robots

Working environment

Harmonics noise

NT: USE: Harmonic analysis Biohazards Chemical hazards

Harmonics suppression Explosions

Harmonic distortion Fires BT: Flammability

Harmonised index of consumer prices Floods

USE: Economic indicators Hazardous areas Hazardous materials

Harmonized index of consumer prices Toxicology

USF: Economic indicators

Hazmat

Hash functions USE: Hazardous materials BT: Algorithms

> Cryptography **HbbTV Standards** RT:

ETSI Standards Encoding BT: NT: Cryptographic hash RT: Digital TV

function

Hashtag HBT USE: Tagging AND USE: Heterojunction bipolar

> Twitter transistors

Hazardous areas **HCCI** engines

> BT: Internal combustion Hazards USE:

RT: Accidents engines

Explosions

Fires HCI

Hazardous materials USE: Human computer

Industrial accidents interaction



UF: Heads up displays

BT: Displays

USE: High definition video Human computer

interaction HD video

Headphones USE: High definition video

> UF: Earphones Head sets

USE: Hardware design Headsets

BT: Audio systems languages

HDTV Heads up displays

> UF: ATV USE: Head-up displays

> > Advanced TV **FDTV** Headsets

Extended definition TV USE: Headphones

High definition

IDTV

television Health (occupational)

Occupational health High-definition TV USE:

Improved definition TV Health and safety

BT: Digital TV BT: Safety

UHDTV NT: RT: Environmental factors

NT: Occupational health

HDVL Occupational safety USE:

Hardware design Health care languages

USE: Medical services

Head

Health information management Body regions Medical services RT: Auditory system BT:

Brain Visual systems Health physics

NT: Cranium USE: Radiation monitoring

Ear

Face Healthcare

> Forehead USE: Medical services

Lips Mouth Hearing

Nose USE: Auditory system

Scalp

Hearing aids Skull

BT: Sensory aids Head sets RT: Auditory system

Speech enhancement USE: Headphones

Head-mounted displays Heart

> UF: Helmet mounted BT: Cardiovascular system

RT: Cardiology displays

Fetal heart BT: Displays NT: Human computer Heart rate

interaction Heart valves Heart ventricles

Head-up displays

BT:



HD

HDL

Heart arrest Heat transfer

USE: Cardiac arrest

Heart attack UF: Ground source heat

USE: Cardiac arrest pumps

BT: Pumps

Heart beat RT: Refrigerants

UF: Heartbeat
BT: Heart rate Heat recovery

UF: Industrial heat

Heart rate recovery

near C race

UF: HR BT: Heating systems

BT: Heart RT: Boilers

NT: Fetal heart rate Thermal engineering

Heat pumps

Heart beat

Heart rate detection Heat sinks

Heart rate interval UF: Heatsinks Heart rate measurement BT: Cooling

Heart rate variability

Heat transfer

Heart rate detection BT: Thermal conductivity

BT: Heart rate RT: Heat pipes
NT: Convection

Heart rate interval

BT: Heart rate **Heat treatment**

BT: Materials processing

Heart rate measurementRT:CuringBT:Heart rateFiring

RT: Phonocardiography Foundries
Kilns

Heart rate variability

UF: HRV

Kilns

Smelting

Thermal factors

BT: Heart rate NT: Annealing

Calcination

Heart valves

BT: Heart Heat-assisted magnetic recording

UF: HAMR

Heart ventricles BT: Magnetic recording

BT: Heart

Heartbeat Heartbeat BT: Temperature control

USE: Heart beat RT: Entropy

Furnaces
Heat engines HVAC

BT: Engines High-temperature

NT: Steam engines techniques

Stirling engines Laser applications

Rapid thermal

Heat islands processing

USE: Thermal pollution Thermal engineering
NT: Boilers

NT: Boilers
Heat pipes Cogeneration

BT: Heating systems Electromagnetic

RT: Heating systems Electromagnetic
RT: Cooling heating



Heat pipes BT: Chemical elements

Heat recovery Gases

Induction heating Infrared heating

Resistance heating

Solar heating

Space heating

Thermal energy Trigeneration

Water heating

Heating, ventilation, and air

conditioning

USE: HVAC

Heatsinks

Heat sinks USE:

Hebb's methods

USE: Hebbian theory

Hebb's rule

USF: Hebbian theory

Hebbian Learning

USE: Hebbian theory

Hebbian principle

USE: Hebbian theory

Hebbian theory

UF: Hebb's methods

> Hebb's rule Hebbian learning Hebbian principle

BT: Artificial neural

networks

Helical antennas

BT: Antennas

Electromagnetic

waveguides

Telecommunications

Transmission lines VHF circuits

Waveguide components

Helical gears

USE: Gears

Helicopters

BT: Aircraft

Helmet mounted displays

USE: Head-mounted displays

Hemodynamics

UF: Hemorheology

BT: Blood flow

Hemorheology

USE: Hemodynamics

Hemorrhaging

Bleeding UF:

Haemorrhaging

Medical conditions BT:

HEMTs

Heterostructure FETs UF:

High electron mobility

transistors

High electron-mobility

transistors

High-electron mobility

transistors

High-electron-mobility

transistors

Field effect BT:

transistors

MODFETS RT: NT: D-HEMTs

DH-HEMTs **PHEMTs** mHEMTs

Hepatectomy

Medical treatment BT:

Surgery

Hermetic seals

BT: Seals

Hetero-nanocrystal memory

Single electron memory

Heterogeneous networks

Computer networks

Heterojunction bipolar transistors

UF:

BT: Transistors RT: Heterojunctions

Helium



Integrated USE: **HDTV**

optoelectronics

Semiconductor devices High definition video

NT: Double heterojunction

MODFETS

UF: HD video

bipolar transistors

BT:

Video recording BT: Heterojunctions Ultra-high definition NT:

Junctions video

RT: Heterojunction bipolar

transistors High efficiency video coding

UF: HEVC

Heterostructure FETs High-efficiency video

BT:

HEMTs AND USE: coding

Video coding MPEG 4 Standard RT:

Heuristic algorithms UF: Dynamic algorithms High electron mobility transistors

> BT: Algorithms USE: HEMTs

HEV High electron-mobility transistors

USE: Hybrid electric USE: **HEMTs**

vehicles High energy physics

HEVC UF: Particle physics

USE: High efficiency video BT: **Physics**

coding High energy physics instrumentation

computing Ηf Hafnium Computer applications USE: BT:

Instrumentation and

HF radar measurement

USE: High frequency radar Nuclear and plasma

sciences

HFC RT: Data acquisition

USE: Hybrid fiber coaxial Elementary particles cables Nuclear electronics Particle measurements

> Particle tracking Mercury (metals) Position sensitive

USE: particle detectors

Hidden Markov models Proton effects

> BT: Modeling Radiation effects RT: Markov processes Real-time systems Pattern recognition Synchrotrons

Linear particle NT:

Hierarchical learning accelerator

Deep learning High frequency

BT: Hierarchical systems Radio frequency

BT: Systems engineering

and theory High frequency radar

NT: Multilevel systems UF: HF radar BT: Radar

High definition television

USE:



Hq

High intensity discharge lamps

BT: Discharge lamps RT: Arc discharges

Electrical ballasts

Emergency lighting

Light sources Lighting

Lighting control

High K

USE: High-k dielectric

materials

High level languages

BT: Computer languages RT: Page description

languages

NT: Java

Linux

Parallel languages

High level synthesis

BT: Circuit synthesis RT: Programmable logic

devices

High performance computing

UF: HPC

High-performance

computing

BT: Computers and

information processing

High power amplifiers

BT: Power amplifiers RT: Gate drivers

High power fiber lasers

UF: HPFL

High-power fiber

lasers

BT: Fiber lasers

High power microwave generation

UF: HPM generation

High-power microwave

generation

BT: Microwave generation

High resolution imaging

USE: High-resolution

imaging

High speed electronics

USE: High-speed electronics

High speed integrated circuits

USE: High-speed integrated

circuits

High speed networking

USE: High-speed networks

High speed networks

USE: High-speed networks

High speed optical methods

USE: High-speed optical

techniques

High speed optical techniques

USE: High-speed optical

techniques

High speed rail transportation

USE: High-speed rail

transportation

High speed techniques

USE: High-speed electronics

High T_c superconductors

USE: High-temperature

superconductors

High Tc superconductors

USE: High-temperature

superconductors

High temperature superconductors

USE: High-temperature

superconductors

High voltage

USE: High-voltage

techniques

High-definition TV

USE: HDTV

High-efficiency video coding

USE: High efficiency video

coding

High-electron mobility transistors

USE: HEMTs

High-electron-mobility transistors



USE: HEMTs High-speed networking

USE: High-speed networks

High-K

USE: High-k dielectric

materials

High-k dielectric materials

UF: High K

High-K

BT: Dielectric materials

RT: Semiconductor

materials

High-k gate dielectrics

BT: Dielectric constant

Semiconductor device

manufacture

High-performance computing

USE: High performance

computing

High-power fiber lasers

USE: High power fiber

lasers

High-power microwave generation

USE: High power microwave

generation

High-resolution imaging

UF: High resolution

imaging

BT: Image resolution

High-speed electronics

UF: High speed electronics

High speed techniques

High-speed techniques

BT: Communications

technology

NT: High-speed integrated

circuits

High-speed networks

Ultrafast electronics

High-speed integrated circuits

UF: High speed integrated

circuits

BT: High-speed electronics

RT: Integrated circuit

technology

Microcontrollers

High-speed networks

UF: High speed networking

High speed networks

High-speed networking

BT: High-speed electronics

RT: Long Term Evolution

High-speed optical methods

USE: High-speed optical

techniques

High-speed optical techniques

UF: High speed optical

methods

High speed optical

techniques

High-speed optical

methods

BT: Optical design

techniques

RT: Light fidelity

High-speed rail transportation

UF: High speed rail

transportation

BT: Rail transportation

High-speed techniques

USE: High-speed electronics

High-T_c superconductors

USE: High-temperature

superconductors

High-Tc superconductors

c super conductors

USE: High-temperature

superconductors

High-temperature effects

USE: Thermal factors

High-temperature superconductors

UF: HTS

High T_c

superconductors

High Tc

superconductors

High temperature

superconductors

High-T_c

superconductors



High-Tc Midbrain

superconductors

Superconductors (high Hinges

temperature)

BT: Superconducting

materials

Ceramics RT:

Granular

superconductors

Persistent currents

Superconducting

devices

Superconducting films

Superconducting

transition temperature

Surface impedance

Surface resistance

NT: Yttrium barium copper

oxide

High-temperature techniques

BT: Industry applications

Heating systems RT:

Rapid thermal NT:

processing

High-voltage techniques

UF: High voltage

BT: Power engineering

RT: Power electronics

Pulsed power systems

Higher order statistics

BT: Statistics

RT: Differential equations

Highways

USE: Road transportation

HIL simulation

USE: Hardware-in-the loop

simulation

Hilbert space

Euclidean distance

BT:

Hilbert?Huang transforms USE:

decomposition

Empirical mode

Hindbrain

UF: Rhombencephalon

RT: Forebrain

USE: Fasteners

BT: Extremities

Hip joint replacements

USE: Prosthetics

Temporal lobe BT:

Alzheimer's disease RT:

Histograms

Hippocampus

Hip

BT:

Statistics

History

BT: Science - general

USF: Human immunodeficiency

Lifting equipment

virus

Hoists

HIV

Hobbing machines

BT: Machining

RT: Machine tools

Hockey

Sports USE:

USE:

Hole carriers

USE: Charge carrier

processes

Holey fibers

UF:

Holey fibres BT: Photonic crystal

fibers

Holey fibres

USF:

Holey fibers

Hollow waveguides

BT: Electromagnetic

waveguides

Liquid waveguides NT:

BT: Brain Holmium

BT:

Chemical elements



Holographic optical components

Optical devices BT:

RT: Holography

Holography

BT: Imaging

Holographic optical RT:

components

Image reconstruction

Laser applications

Photorefractive

materials

Home appliances

UF: Appliances

Domestic appliances

Domestic induction

appliances

Household appliances

BT: Consumer products

Gas appliances NT:

Microwave ovens

0vens

Refrigerators

Washing machines

Home automation

UF: Home networks

BT: Consumer electronics

RT: Automation

Service robots

NT: Portable media players

Refrigerators

Smart homes

Washing machines

Home computing

BT: Consumer electronics

RT: Computers and

information processing

Firewire

Microcomputers

Home networks

Home automation USF:

Homeostasis

BT: Biology

Control systems

Homopolar machines

BT: DC machines Honey pot (computing)

Computer security BT:

Honeycomb structures

BT: Structural shapes

RT: Lightweight structures

> Sandwich structures Structural panels Thin wall structures

Hopfield networks

USE: Hopfield neural

networks

Hopfield neural networks

UF: Hopfield networks BT: Recurrent neural

networks

Hormones

USE: Biochemistry

Horn antennas

BT: Antennas

Horses

BT: **Animals**

Hoses

BT: Mechanical products

Automotive components

Rubber products

Hospitals

BT: Medical services

Medical treatment

RT: Biomedical engineering

Hot carrier effects

RT:

BT: Hot carriers

Hot carrier injection

UF: Hot-carrier injection

BT: Hot carriers

NT: Channel hot electron

injection

Drain avalanche hot

carrier injection

Secondary generated

hot electron injection

Substrate hot electron

injection

Hot carriers



BT: Charge carriers UF: HCI

RT: Semiconductor devices Human-centered

NT: Hot carrier effects computing

Hot carrier injection Human-computer

User friendliness

interaction

Hot-carrier injection Human-computer

USE: Hot carrier injection interfaces

Household appliances BT: User interfaces
USE: Home appliances RT: Adaptive learning

Cyber-physical systems

HPC Human factors

USE: High performance Human-vehicle systems

computing Man-machine systems
NT: Affective computing

HPFL Extended reality

USE: High power fiber Gaze tracking

lasers

Head-mounted displays

Head-up displays

HPM generationTelepresenceUSE:High power microwaveTelexistence

generation Telexistence

Human disease markers
USE: Biomarkers

USE: Heart rate

Human engineering

HRV USE: Ergonomics
USE: Heart rate variability

HTML UF: Human factors

BT: Markup languages engineering

Stress (psychological)
HTS BT: Systems, man, and

USE: High-temperature cybernetics

superconductors RT: Aerospace biophysics

Huffman coding Androids Androids

BT: Data compression Anthropometry

Entropy coding

RT: Algorithms

Cognitive science

Communication systems Ergonomics
Multimedia Human computer

communication interaction

Multimedia databases Man-machine systems
Multimedia systems Persuasive systems
Symbols Problem-solving

mbols Problem-solving
Productivity
Social engineering

Human anatomy Social engineering BT: Anatomy (security)

Telerobotics

Human cloning
 USE: Cloning
NT: Anthropomorphism

Human factors engineering
Human computer interaction

USE: Ergonomics AND



Human factors

Human immunodeficiency virus

UF: HIV BT: Diseases

Human resource management

Management BT:

RT: Industrial psychology

NT: **Appraisal** Continuing

professional development

Employee welfare

Employment

Equal opportunities Incentive schemes Job specification

Labor resources Multiskilling Personnel Recruitment Remuneration Retirement Termination of

employment

Unemployment

Human robot interaction

Human-robot USE:

interaction

Human voice

BT: Speech processing

Human-centered computing

USE: Human computer

interaction

Human-computer interaction

USF: Human computer

interaction

Human-computer interfaces

USE: Human computer

interaction

Human-robot interaction Human robot

UF:

interaction

User interfaces BT:

RT: Wearable robots

Human-vehicle interaction

USE: Human-vehicle systems

control

Human-vehicle systems

UF: Human-vehicle

interaction

BT: User interfaces RT: Human computer

interaction

Humanitarian activities

UF: Humanitarian aid BT: IEEE Corporate

activities

Humanitarian aid

USE: Humanitarian

activities

Humanoid robotics

Humanoid robots USE:

Humanoid robots

BT:

Humanoid robotics UF:

> Humanoids Robots

RT: Mobile robots

Humanoids

USE: Humanoid robots

HumanXR

USE: Extended reality

Humidity

BT: Meteorology RT: Humidity control

Humidity measurement Trees - insulation

Humidity control

BT: Moisture control

RT: Humidity

Humidity measurement

BT: Moisture measurement

RT: Humidity

Hurricanes

BT: Cyclones

HVAC

UF: Heating, ventilation,

and air conditioning

BT: Thermal variables



RT: Air conditioning

Cooling

Heating systems

Ventilation

HVDC transmission

Power transmission BT:

RT: Voltage-source

converters

Hybrid automobiles

USE: Hybrid electric

vehicles

Hybrid cars

Hybrid electric USE:

vehicles

Hybrid electric vehicles

UF: HEV

Hybrid automobiles

Hybrid cars

BT: Electric vehicles

RT: Battery powered

vehicles

Charging stations Energy storage

Internal combustion

engines

Traction motors

Vehicle-to-grid

NT: Plug-in hybrid

electric vehicles

Hybrid fiber coaxial cables

UF: HFC

Hybrid fibre coaxial

cables

BT: Coaxial cables

Hybrid fibre coaxial cables

USE: Hybrid fiber coaxial

cables

Hybrid integrated circuits

BT: Circuits

Integrated circuits

RT: Thick film circuits

Thin film circuits

Hybrid intelligent systems

BT: Fuzzy systems

RT: Intelligent systems Hybrid junctions

BT: Junctions

RT: Directional couplers

Hybrid power systems

BT: Power systems

RT: Distributed power

generation

Photovoltaic systems

Hydraulic actuators

BT: Actuators

RT: Hydraulic drives

Hydraulic diameter

BT: Fluid flow Microchannels NT:

Hydraulic drives

BT: Drives

RT: Hydraulic actuators

Hydraulic equipment

BT: Hydraulic systems

RT: Water pumps NT: Valves

Hydraulic fluids

UF: Hydraulic liquids

Hydraulic oils

Fluids BT:

Hydraulic systems

RT: Production materials

Hydraulic fracking

USE: Fracking

Hydraulic liquids

Hydraulic fluids USE:

Hydraulic oils

USE: Hydraulic fluids

Hydraulic systems

UF: Hydraulics BT: Machinery Fluid flow RT:

Irrigation

NT: Electrohydraulics

Hydraulic equipment Hydraulic fluids

Hydraulic turbines

BT: Turbines



RT: Hydroelectric power Water splitting RT:

NT: Deuterium generation

Hydrogen chloride Hydraulics

> Hydraulic systems USE: Chlorine compounds USE:

Hydrogen fluoride Hydrocarbon reservoirs

> Hydrocarbons BT: BT: Fluorine compounds

Hydrocarbons Hydrogen storage

> UF: Oil sands BT: Energy storage

Oil shale

BT: Organic chemicals Hydrologic measurements

Petroleum BT: Hydrology

Hydrocarbon reservoirs RT: Fluid flow measurement NT:

> Geophysics Hydrological

USE: Geochemistry techniques

Oceanographic

Hydrodynamics techniques

Smoothed particle Water UF:

hydrodynamics

Hydrochemistry

Hydrological techniques BT: Dynamics

Mechanical factors BT: Hydrology RT: Fluid dynamics RT: Geoengineering Fluid flow

Geophysics Microfluidics Geoscience Water Hydrologic

Electrohydrodynamics NT: measurements

> Magnetohydrodynamics NT: Fracking

Hydroelectric power generation Hydrology

UF: Hydroelectricity Fluid flow BT: Hydropower RT: Water Hyrdroelectric Wetlands BT: Power generation NT: Floods

RT: Hydrologic Dams

Hydraulic turbines measurements

Hydroelectric-thermal Hydrological NT:

power generation techniques

Microhydro power Ocean waves Picohydro power

Hydromagnetics

Hydroelectric-thermal power generation USE: Magnetohydrodynamics

Hydroelectric power **Hydrometers**

generation Density measurement

BT:

Hydroelectricity

USE: Hydroelectric power Hydrophones

generation Sonar equipment USE:

Hydrogen Hydropower

BT: Chemical elements USE: Hydroelectric power

Gases generation



Hyrdroelectric

HypercubesUSE: Hydroelectric power

BT: Multiprocessor generation

interconnection

Hyperlinks

RT: Computer networks **Hysteresis**

BT: Materials science and

Hyperdermic needles technology

USE: Hypodermic needles RT: Damping

Magnetic hysteresis

Magnetization

USE: Hypertext systems processes

Spin valves

Hyperspectral imaging

BT: Hyperspectral sensors **Hysteresis motors**

BT: AC motors

Hyperspectral sensors Motors

BT: Remote sensing Rotating machines
RT: Geologic measurements Synchronous machines
Military aircraft Synchronous motors

Military communication
Military satellites I/O programs

Mining industry USE: Input-output programs

Submillimeter wave measurements IC

Wavelength measurement USE: Integrated circuits

NT: Hyperspectral imaging

IC packaging

Hypertension

USE: Integrated circuit

BT: Medical conditions packaging

Hypertext systems Ice

UF: Hyperlinks BT: Geoscience
BT: Computer interfaces RT: Meteorology

Information retrieval Snow
Database systems NT: Ice shelf

Ice surface

HyperthermiaIce thicknessBT:Medical conditionsSea ice

Medical treatment
RT: Electromagnetic Ice shelf

heating BT: Ice

meating DI. Ite

Hypervisors Ice surface

USE: Virtual machine BT: Ice

monitors

RT:

Ice thickness

Hypodermic needles
UF: Hyperdermic needles
BT: Ice

BT: Biomedical equipment ICP

USE: Iterative closest

Hypothalamus point algorithm

BT: Brain

RT: Central nervous system ICs

USE: Integrated circuits



ICT

USE: Information and

communication technology

ID-based encryption

USE: Identity-based

encryption

Identification of persons

BT: Systems, man, and

cybernetics

RT: Access control

Palmprint recognition

Security

NT: Biometrics (access

control)

Face recognition

Fingerprint

recognition

Handwriting

recognition

Speaker recognition

Speech recognition

Identity management systems

BT: Computer security

Information systems

Identity-based cryptography

USE: Identity-based

encryption

Identity-based encryption

UF: ID-based encryption

Identity-based

cryptography

BT: Public key

cryptography

IDTV

USE: HDTV

IEC

UF: International electrotechnical commission

BT: Standards

organizations

RT: Communication

standards

Standardization

Standards

NT: Moving Pictures

Experts Group

IEC publications

USE: IEC Standards

IEC Standards

UF: IEC publications

BT: Standards publications

RT: Common Information

Model (electricity)

NT: MPEG standards

IEEE 1364

USE: Hardware design

languages

IEEE 1394 Standard

UF: P1394

BT: IEEE Standards

RT: Data buses

Data communication

Firewire

Machine vision

Video signal

processing

IEEE 802 LAN-MAN Standards

BT: IEEE Standards

NT: IEEE 802.11 Standard

IEEE 802.15 Standard
IEEE 802.16 Standard
IEEE 802.19 Standard

IEEE 802.19 Standard
IEEE 802.22 Standard
IEEE 802.3 Standard

IEEE 802.11 Standard

NT:

UF: 802.11

P802.11

WiGig

BT: IEEE 802 LAN-MAN

Standards

RT: Bluetooth

Butler matrices Computer networks MIMO communication

Modulation
Protocols

Radio communication

Wireless LAN

Wireless access points Wireless communication

Wireless fidelity

IEEE 802.11e Standard

IEEE 802.11g Standard IEEE 802.11n Standard



IEEE 802.11p Standard ZigBee

IEEE 802.11e Standard IEEE 802.16 Standard

UF: 802.11e UF: 802.16

BT: IEEE 802.11 Standard BT: IEEE 802 LAN-MAN

RT: Communication channels Standards

> Broadband **Protocols** RT:

Quality assurance communication Quality control Computer networks Quality of service Cross layer design

Streaming media Internet

Wireless LAN MIMO communication Metropolitan area

WiMAX

IEEE 802.11g Standard networks

> UF: Multimedia 802.11g

> IEEE 802.11 Standard BT: communication

RT: Bluetooth

> Computer networks Modulation IEEE 802.19 Standard

Protocols BT: IEEE 802 LAN-MAN

Radio communication Standards

Wireless LAN

IEEE 802.22 Standard IEEE 802.11n Standard BT:

IEEE 802 LAN-MAN UF: Standards 802.11n

BT: IEEE 802.11 Standard RT:

Regional area networks RT: WRAN

Antennas Bluetooth

Wireless communication Communication channels Wireless networks

Computer networks

MIMO communication IEEE 802.3 Standard Modulation UF: 802.3

Protocols BT: IEEE 802 LAN-MAN

Radio communication Standards

Wireless LAN Communication RT:

switching

IEEE 802.11 Standard

IEEE 802.11p Standard Computer networks Ethernet

> Intelligent vehicles RT: Local area networks

Wireless Access in Packet switching Vehicular Environments Switches

Wireless communication Wide area networks

Wireless networks

IEEE activities IEEE 802.15 Standard UF:

Activities

UF: 802.15 BT: IEEE organization IEEE Boards

BT: IEEE 802 LAN-MAN RT: Standards NT: IEEE Awards activities

IEEE Conference RT: Bluetooth

Light fidelity activities

Personal communication IEEE Corporate networks activities

Radio communication IEEE Educational

> Wireless LAN activities



BT:

IEEE Intersociety IEEE catalogs

activities BT: IEEE products

IEEE Local activities

IEEE Member and

IEEE Center for the History of

Geographic activities Electrical Engineering

IEEE Professional UF: IEEE History Center

activities BT: IEEE entities

activities IEEE Chapter news

IEEE Student BT: IEEE news

activities

IEEE Technical

IEEE Chapters

IEEE Standards

activities BT: IEEE entities

IEEE United States

activities IEEE Collabratec

IEEE Volunteer BT: IEEE products activities

IEEE publishing IEEE Committees

BT: IEEE entities

IEEE Associate Members

BT: IEEE members

IEEE Communities

BT: IEEE entities

IEEE audio tapes

BT: IEEE products IEEE Computer Society Press

IEEE Awards activities

BT: IEEE entities

RT: IEEE publishing

BT: IEEE activities
RT: IEEE Educational IEEE Conference activities

activities BT: IEEE activities

IEEE Fellows

IEEE Foundation IEEE conference proceedings

IEEE Professional BT: IEEE publications

IEEE Technical IEEE Constitution

activities BT: IEEE governance

IEEE United States

activities

NT: IEEE Corporate awards

IEEE Corporate awards

BT: IEEE activities

IEEE Corporate awards BT: IEEE activities
IEEE Society awards RT: IEEE Professional

IEEE Standards awards activities

IEEE Student awardsIEEE staffNational SocietyLegal factors

Agreement awards NT: Humanitarian

activities

BT: IEEE entities IEEE Corporate awards

RT: IEEE activities BT: IEEE Awards activities

NT: IEEE Medals

IEEE books IEEE Recognitions

: IEEE publications IEEE Technical Field

awards
IEEE bylaws

BT: IEEE governance IEEE Corporate recognitions

BT: IEEE Recognitions



IEEE Boards

activities

IEEE policy and

IEEE Councils procedures

> BT: **IEEE** entities **IEEE** staff

IEEE directories IEEE History Center

USE: IEEE Center for the BT: IEEE publications History of Electrical Engineering

IEEE Educational activities

BT: IEEE activities

RT: IEEE Awards activities

IEEE Foundation

IEEE Professional

activities

IEEE educational products

BT: IEEE products

IEEE employees

USE: **IEEE** staff

IEEE entities

IEEE organization BT:

IEEE Boards NT:

IEEE Center for the

History of Electrical Engineering

IEEE Chapters

IEEE Committees

IEEE Communities

IEEE Computer Society

Press

IEEE Councils

IEEE Foundation

IEEE Press

IEEE Regions

IEEE Sections

IEEE Societies

IEEE Fellows

IEEE members BT:

IEEE Awards activities RT:

IEEE Foundation

BT: IEEE entities

RT: IEEE Awards activities

IEEE Educational

activities

IEEE governance

BT: IEEE organization

NT: **IEEE Constitution**

IEEE bylaws

IEEE mission and

vision

IEEE indexing IEEE organization BT:

> NT: **Awards**

> > Book reviews CD-ROM reviews Interviews **Obituaries**

Software reviews Special issues and

sections

Tutorials Video reviews

IEEE Intersociety activities

BT: IEEE activities IEEE Professional RT:

activities

IEEE journals

BT: **IEEE** publications

IEEE Life Members

BT: IEEE members

IEEE Local activities

BT: IEEE activities

IEEE magazines

BT: IEEE publications

IEEE Medals RT.

IEEE Corporate awards

IEEE Member and Geographic activities

IEEE activities BT:

IEEE members

BT: IEEE organization

IEEE Volunteer RT:

activities

IEEE Associate Members NT:

IEEE Fellows

IEEE Life Members IEEE Senior Members IEEE Student Members



IEEE merchandise BT: IEEE organization IEEE products NT: IEEE Collabratec BT:

IEEE Xplore

IEEE Professional activities

UF:

BT:

RT:

IEEE mission and vision

UF: Vision

BT: IEEE governance IEEE catalogs IEEE educational

IEEE merchandise

IEEE publications

Non-united-states

IEEE Awards activities

IEEE activities

IEEE Corporate

IEEE Educational

IEEE Intersociety

IEEE United States

IEEE Technical

IEEE products

TFFF conference

IEEE directories IEEE journals

IEEE newsletters

IEEE magazines

IEEE standards

IEEE transactions

IEEE activities

Guidelines

IEEE Press

Notice of Violation

IEEE Computer Society

IEEE online

IEEE books

IEEE audio tapes

products

activities

activities

activities

activities

activities

activities

proceedings

publications

publications

IEEE publishing

BT:

RT:

IEEE publications

BT:

NT:

IEEE news

UF: Announcements BT: IEEE organization NT: IEEE Chapter news

IEEE Region news

IEEE Section news

IEEE Society news

IEEE newsletters

BT: IEEE publications

IEEE on-line publications

USE: IEEE online

publications

IEEE online publications

Electronic UF:

publications

IEEE on-line

publications

BT: **IEEE** publications

IEEE organization

NT: IEEE activities

> **IEEE** entities IEEE governance IEEE indexing IEEE members IEEE news

IEEE products

IEEE policy and procedures

UF: IEEE procedures BT: IEEE governance

IEEE Press

BT: **IEEE** entities RT: IEEE publishing

IEEE Prize Paper awards

BT: **IEEE Recognitions**

IEEE procedures

USE:

procedures

IEEE policy and

BT: IEEE Corporate awards NT: IEEE Corporate

recognitions

IEEE Recognitions

IEEE products



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Press

IEEE Prize Paper

IEEE Standards activities awards

> IEEE Service awards BT: IEEE activities IEEE Staff RT: **IEEE Standards**

recognitions

IEEE Standards Association IEEE Region news

BT: Standards

IEEE news BT: organizations

RT: **IEEE Regions**

IEEE Standards awards

IEEE Regions BT: IEEE Awards activities BT: IEEE entities

RT: IEEE Region news IEEE standards glossaries

BT: IEEE standards

IEEE Section news publications BT: IEEE news

IEEE standards publications

IEEE Sections IEEE publications **IEEE** standards BT: **IEEE** entities NT:

glossaries **IEEE Senior Members**

IEEE members **IEEE Student activities** BT:

BT: IEEE activities RT: **IEEE Student Members IEEE Service awards**

IEEE Recognitions BT:

IEEE Student awards

IEEE Societies BT: IEEE Awards activities BT: IEEE entities RT: **IEEE Student Members**

IEEE Society awards IEEE Student Members

IEEE Awards activities BT: BT: IEEE members

RT: IEEE Student

activities **IEEE Society news**

BT: IEEE news IEEE Student awards

IEEE staff **IEEE Technical activities**

> UF: IEEE employees BT: IEEE activities

IEEE governance BT: RT: IEEE Awards activities

IEEE Corporate IEEE Professional RT:

activities activities

IEEE Volunteer

IEEE Staff recognitions activities

BT: **IEEE Recognitions**

IEEE Technical Field awards

IEEE Standards BT: IEEE Corporate awards

Standards publications BT:

ANSI Standards **IEEE transactions** RT:

> **IEEE Standards** IEEE publications

activities

AIEE Standards **IEEE United States activities**

IEEE 1394 Standard UF: US activities IEEE 802 LAN-MAN BT: IEEE activities

Standards RT: IEEE Awards activities

IRE Standards



IEEE Professional IΜ

activities USE: Instant messaging

IEEE Volunteer activities Image analysis

BT: IEEE activities UF: Scene analysis

Scene classification RT: IEEE Technical

activities

RT:

NT:

USE:

BT:

IEL

Image processing IEEE members Image recognition RT:

BT:

Machine vision

IEEE Xplore NT: Image classification BT: IEEE products

Image motion analysis

Image quality Image sequence

analysis

Information services

IEEE/IEE Electronic Library Image texture analysis

> Object detection Subtraction techniques

IEL

Ignition

engines

processing

UF: IEEE/IEE Electronic Image annotation

Library UF:

Image tagging BT: IEEE Xplore

Linguistic indexing Video annotation

BT: Image processing Feature extraction Chemical reactors RT: Internal combustion Image classification

Image retrieval

Nuclear physics Learning (artificial

Plasma materials intelligence)

> Metadata Video signal

II-VI semiconductor materials processing

BT: Semiconductor

materials Image capture

BT: Image processing

III-V semiconductor materials RT: Cameras

BT: Semiconductor Computer vision

Image sensors Photography

nitride

materials

Image classification IIR filters BT:

Image analysis RT: Infinite impulse Image annotation UF:

response filters

Illumination control

USE:

RT:

BT: **Filters** Image coding

UF:

Aluminum gallium

Lighting control

Coal gas

TLLumination BT: Image processing RT: USE: Lighting Image communication

Image databases Image storage MPEG standards

Image compression

Rate distortion theory

Transcoding

Vector quantization

Video codecs



Illumination gas

Video coding

Image color analysis

UF: Image colour analysis BT: Image processing Image filtering RT:

Image colour analysis

USE: Image color analysis

Image communication

UF: Image transmission

BT: Communications

technology

B-ISDN RT:

Cable TV ISDN

Image coding

Motion compensation

Teleconferencing Videophone systems Visual communication

NT: Facsimile

Picture archiving and

communication systems

Image compression

USE: Image coding

Image converters

BT: **Imaging**

RT: Frequency conversion

Image sensors

NT: Image intensifiers

Image databases

BT: Database systems

Databases

Geographic information RT:

systems

Image coding Image storage Video sequences

NT: Image retrieval

Image de-noising

USE: Image denoising

Image deblurring

USE: Image restoration

Image decomposition

Image processing

Image denoising

UF: Image de-noising BT: Image processing RT: Diffusion processes

Gaussian noise Image enhancement Image filtering Image reconstruction Image resolution Image restoration

Image edge analysis

USE: Image edge detection

Image edge detection

UF: Edge detection

Image edge analysis Image recognition BT: RT: Corner detection Feature extraction

Image segmentation Thresholding (Imaging)

Image enhancement

BT: Image processing RT: Image denoising

Image intensifiers Image restoration

Image filtering

BT: Filtering theory

Image processing

RT: Image color analysis

> Image denoising Image segmentation

Image forensics

Forensic photography UF:

BT: Forensics

Photography

RT: Image processing

> Law enforcement Visualization

Image fusion

BT: Image processing

Image generation

UF: Image synthesis BT: Image processing

RT: Animation

Computer graphics

NT: Plasma displays



Visual effects Feature extraction Fiducial markers

Image intensifiers

BT: Image converters

RT: Frequency conversion

> Image enhancement Image sensors

Image matching

BT:

UF: Appearance matching

> Fingerprint images Pattern matching

RT: Fingerprint

recognition

Image recognition Object detection Object recognition Stereo vision

Image motion analysis

BT: Image analysis RT: Object tracking

Robotics and

automation

NT: Video tracking

Image object detection

USE: Object detection

Image object recognition

Object recognition USE:

Image pattern recognition

Pattern recognition

Image processing

UF: Picture processing

BT: Computers and

information processing

RT: Authentication

Diffusion processes

Gabor filters

Image forensics Multidimensional

signal processing

Optical projectors

Time-frequency

analysis

Video sequences

Vision sensors

NT: Active shape model

Blob detection

Corner detection

Feature detection

processing

Gray-scale Image analysis Image annotation Image capture

Geophysical image

Image coding

Image color analysis

Image decomposition

Image denoising Image enhancement

Image filtering Image fusion Image generation

Image recognition

Image reconstruction Image registration

Image representation Image resolution Image restoration

Image sampling Image segmentation

Image segmentaton Image sequences Image texture

Machine vision Morphological

operations

Optical feedback

Saliency detection

Smart pixels

Spatial coherence Structure from motion

Table lookup

Image quality

BT: Image analysis RT:

Spatial resolution

Image recognition

BT: Image processing RT: Emotion recognition

> Face recognition Feature extraction Image analysis Image matching Machine vision Object recognition

Video signal

processing

Image edge detection



Image reconstruction

BT: Image processing

RT: Holography Image denoising Inverse problems

Magnetic resonance

imaging

Pattern clustering

Tomography

Image registration

BT: Image processing

Image representation

Image processing BT:

Image resolution

Image processing BT:

RT: Image denoising

Visual communication

NT: High-resolution

imaging

Spatial resolution

Image restoration

UF: Image deblurring BT: Image processing

RT: Distortion

Image denoising

Image enhancement

Image retrieval

BT: Image databases

RT: Image annotation

Image sampling

BT: Image processing

Image segmentation

BT: Image processing

RT: Image edge detection

Image filtering

Mixture models

Object tracking

Image segmentaton

BT: Image processing

NT: Thresholding (Imaging)

Image sensors

RT:

UF: Sensors (image)

BT: Imaging

> Cameras Endoscopes

Image capture

Image converters Image intensifiers

Night vision Optical sensors Photodetectors

Robot vision systems

Active pixel sensors

CCD image sensors

CMOS image sensors

Charge-coupled image

Infrared image sensors

Image sequence analysis

NT:

BT: Image analysis

Image sequences

sensors

BT: Image processing

Image storage

BT: Imaging

RT: Image coding

> Image databases Photography Video recording

Image synthesis

USE: Image generation

Image tagging

USE: Image annotation

Image texture

BT: Image processing

Image texture analysis

BT: Image analysis

Image transmission

USE: Image communication

Image watermarking

USE: Watermarking

Imagimarkers

USE: Fiducial markers

Imaging

RT: Color

> Motion pictures Radiometry Remote sensing

Robot vision systems



NT: Biomedical imaging Electromagnetic

Cameras interference

Focusing Open area test sites

Ground penetrating radar Impact ionisation

Holography USE: Impact ionization

Image converters
Image sensors
Impact ionization

Image storageUF:Impact ionisationInfrared imagingBT:Ionization

Magnetic resonance RT: Charge carriers

Magneto electrical Electrons

resistivity imaging technique Insulators

Microscopy
Microwave imaging Impedance

imaging

Immersion cooling

Multispectral imaging UF: Electric impedance Nuclear imaging BT: Electric variables

Optical imaging RT: Admittance
Photography Damping

Radiation imaging Impedance matching Radiography Impedance measurement Stereo vision

UF:

Impedance methods

Tomography Impedance matching
BT: El

Imaging phantoms

BT: Electric variables

RT: Circuits

BT: Biomedical image Equalizers processing Impedance

NT: Baluns

BT: Cooling Impedance measurement

BT: Anatomy measurement

RT: Biological control RT: Admittance measurement

systems Impedance

Biology Transmission line
Microorganisms measurements

NT: Artificial immune

USE: Impedance measurement

Immune systems

USE: Immune system Impedance performance

USE: Impedance measurement Immunity testing

BT: Electromagnetic **Impellers**

compatibility BT: Machine components

Electronic equipment RT: Blades testing Propellers

Electrostatic Pumps interference

RT: Anechoic chambers Implantable biomedical devices

USE: Implants

NT: In vitro fertilization

Implantable devices

In vitro fertilization USE: Implants

> BT: In vitro

Implantable electronics

USE: Implants

> BT: Medical services

Implants

UF: Implantable biomedical **Incentive schemes**

devices

UF: **Bonuses** Implantable devices Merit pay

Performance related

Remuneration

Productivity

Employee welfare

Appraisal

Implantable electronics

NT:

BT: Biomedical equipment

pay Profit sharing schemes Human resource Auditory implants BT:

In vivo

Brainstem implants management

Cochlear implants

Microelectronic implants

Neural implants

Incineration Importance sampling

> Monte Carlo methods Afterburners USF: UF:

Incinerators Imposter signature generation Refuse incineration

Waste incineration USE: Forgery BT: Waste disposal

Improved definition TV RT: Air pollution USE: Ash HDTV

Radioactive pollution

Impulse generation Radioactive waste USE: Pulse generation

Radioactive waste

RT:

disposal Impulse measurements

USE: Pulse measurements Incinerators

> USE: Incineration

Impulse testing

Independent component analysis BT: Testing

Numerical analysis Frequency response RT: BT:

RT: Artificial Insulation testing

intelligence

Impurities Blind source

Materials science and BT: separation

technology Computer aided Contamination RT: analysis

Semiconductor Feature extraction

Principal component impurities

analysis

IMT-2000 Signal processing USE: 3G mobile

communication Index of production

USE: Economic indicators

In vitro Medical services

Indexes BT:



BT: Database systems

RT: Information retrieval

Information systems

NT: Indexing

Machine assisted

indexing

Spatial indexes

Indexing

UF: Online indexing

BT: **Indexes**

Information analysis

RT: Keyword search

Machine assisted

indexing

Tagging

Indirect liquid cooling

Liquid cooling BT:

Indium

BT: Metals

Indium compounds RT:

Indium compounds

BT: Compounds

RT: Alloying

Indium

Indium gallium NT:

arsenide

Indium tin oxide

Indium gallium arsenide

UF: InGaAs

BT: Gallium compounds

Indium compounds

Semiconductor

materials

Indium gallium nitride

BT: Gallium compounds

Indium gallium zinc oxide

BT: Zinc oxide

Indium phosphide

Indium tin oxide

UF: InP

BT: Semiconductor

materials

RT: **Phonons**

BT: Indium compounds

RT: Optical materials Indoor air quality

BT: Air quality

Indoor communication

Communication systems BT:

Mobile communication RT:

Optical fiber

communication

Optical modulation

NT: Indoor environment

Indoor environment

BT: Indoor communication

Indoor navigation

BT: Navigation

RT: Computer vision

Global Positioning

System

Land mobile radio Path planning Radio navigation

Indoor radio

Indoor radio USE:

communication

Indoor radio communication

UF: Indoor radio

Indoor radio

communications

BT: Radio communication

Indoor radio communications

USE: Indoor radio

communication

Inductance

BT: Electric variables

RT: Coils

Inductance measurement

Inductors

Transmission line

theory

Inductance measurement

BT: Electric variables

measurement

RT: Inductance

Induction (electromagnetic)

USF: Electromagnetic

induction



BT: Transducers

Induction (electrostatic)

USE: Electrostatic

induction

Inductors UF:

Chokes

Reactors

Coils

Induction generators

BT: AC generators

Induction machines

Doubly fed induction

generators

heating

Electrical ballasts Inductance

Electronic components

Inductive power

transmission

BT:

RT:

Magnetic cores

Tunable circuits and

devices

Active inductors NT:

> Thick film inductors Thin film inductors

Induction machines

Induction heating

BT:

RT:

NT:

AC machines BT:

Rotating machines

Heating systems

Electromagnetic

NT: Induction generators

Induction motors

Induction motor drives

BT: Induction motors

Induction motors

AC motors BT:

Induction machines

Motors

Rotating machines Sensorless control

NT: Induction motor drives

Inductive charging

RT:

UF: Wireless charging BT: Energy exchange

Power supplies

Wireless communication RT:

Inductive energy transfer

USE: Inductive power

transmission

Inductive power transmission

UF: Inductive energy

transfer

BT: Electromagnetic

induction

Power transmission

RT: Inductors

Sensorless control

Transformers

Industrial accidents

BT: Accidents

RT: Hazardous areas

Occupational safety

Industrial communication

UF: Organizational

communication

BT: Communication networks

Industrial engineering

Business RT:

Organizational aspects

Industrial control

BT: Industrial electronics

RT: Assembly systems

Computer numerical

control

Control system

security

Field buses

Industrial engineering

Industrial plants Manipulators

Manufacturing

automation

Mobile robots Motor drives

Programmable control

Robots

Process control NT:

Production control

Industrial democracy

USE: Industrial relations

Inductive transducers



Industrial economics Paper mills

> UF: Manufacturing Production systems

economics

Production economics Industrial pollution

BT: Microeconomics BT: Pollution Economies of scale RT: Air pollution RT: Industrial waste Privatization

Land pollution

Industrial electronics

Radioactive pollution NT: Assembly systems Thermal pollution

Computer aided Water pollution

manufacturing

Cryogenic electronics Industrial power systems Industrial control UF: Commercial power

Integrated systems

BT: manufacturing systems Power systems Machine control RT: Buildings

Manufacturing Cogeneration

Industrial plants automation Testing Power distribution

Industrial engineering Industrial psychology

> Psychology Industry applications BT: BT: RT: Design methodology RT: Employee welfare

Industrial control Human resource Industrial plants management

Industrial training Productivity Precision engineering Psychometric testing Production engineering

Production management Industrial relations Research and UF:

Collective bargaining development

Industrial democracy

Industrial Trade unions NT: communication BT: Business

RT: Equal opportunities

Industrial facilities

BT: Production facilities Industrial training RT: Industrial plants BT: Training

Manufacturing systems Industrial engineering RT:

NT: Seaports Multiskilling

On the job training

Vocational training Industrial heat recovery USE: Heat recovery

Industrial waste

Industrial plants BT: Waste materials UF:

Plants (industrial) RT: Effluents BT:

Production facilities Industrial pollution RT: Industrial control Slurries

Industrial engineering Waste heat Industrial facilities Wastewater

Industrial power NT: Ash systems Slag

> **Industries** Industries Manufacturing



BT: Industry applications High-temperature

RT: Business

Industrial plants

NT: Agriculture

Architecture Banking

Beverage industry Chemical industry Coal industry

Communication industry Computer industry Construction

Construction industry
Defense industry

Electrical engineerin

Electrical engineering industry

Entertainment industry

Gas industry

Information industry

Manufacturing

industries

Metals industry

Mining industry Natural gas industry

Petroleum industry Power industry

Steel industry
Sugar industry

Textile technology
Toy industry

Transportation

industry

Wood industry

Industry applications

NT: Accident prevention

Chemical technology

Cryogenics Electrochemical

devices

Electrochemical

processes

Electromechanical

systems

Electrostatic devices

Electrostatic

precipitators

Electrostatic

processes

Engines

Environmental

management

Food technology

techniques

Industrial engineering

Industries
Inspection
Machinery
Manufacturing
Packaging

Paper technology Production

Safety Security Wine industry

Inertial confinement

BT: Plasma confinement

Inertial navigation

BT: Navigation

Infant

USE: Pediatrics

Infants

USE: Pediatrics

Infectious diseases

UF: Communicable disease

Transmissible disease

BT: Diseases

Inference algorithms

BT: Algorithms

Inference mechanisms

UF: Model-based reasoning
BT: Knowledge engineering
RT: Cognitive science

Gaussian processes Learning systems

NT: Fuzzy reasoning

Infinite horizon

BT: Optimal control

RT: Markov processes

Optimization methods

Infinite impulse response filters

USE: IIR filters

Inflammability

USE: Flammability

Influenza



BT: Diseases

> Viruses (medical) Information extraction

> > Information retrieval USE:

> > > Whitelists

Geometry

Probability

Industries

Management

Big Data

Cramer-Rao bounds

Information systems

Information exchange

Information services

Knowledge management Common Information

Common Information

Digital preservation Document handling

Information security

Information sharing

Knowledge transfer

Information systems

Competitive

Data aggregation

Information retrieval

Information filters

Recommender systems

Informatics

BT: Information processing

Information systems

NT: Biomedical informatics

Cognitive informatics Energy informatics

Neuroinformatics

Information filters

Information age UF: Web filters UF: AOI BT:

Information filtering Age of information RT: Information retrieval

Information filtering

BT:

NT:

Information geometry BT:

RT:

Information industry

BT:

Information inequality

USE:

BT:

RT:

NT:

Model (electricity)

Information processing

BT:

intelligence

Digital age NT: New media age

Information technology BT:

Information analysis

BT: Professional communication

Big Data applications RT:

Sentiment analysis

Decision analysis NT:

Indexing

Information and communication Information management

technology UF: ICT

> Communications BT:

technology

Information technology

Energy informatics RT: NT: Ambient assisted

living

Model (computing) Information architecture

> BT: Information systems

Database systems RT:

Information entropy

BT: Information theory

Information exchange

Data processing BT:

Information processing

Common Information RT:

Model (computing)

Common Information

Model (electricity)

Computer ports

Information management Information sharing Information systems

RT:

processing

Data collection Granular computing Information sharing

Big Data

Business data



Software as a service Search methods Spectral efficiency Social network

services

WS-BPEL

Electronic healthcare NT:

Informatics

Information exchange

Sonification

Tagging Taxonomy

Terminology Video sharing Vocabulary Web sites

Information rates

UF: Throughput (communication systems)

> Information retrieval BT:

Information science

BT: Professional

communication

(security)

Information services

BT:

RT:

NT:

communication

Information representation

BT: Information technology

RT: Visual analytics Information security

Information management BT:

Security

Information resources RT: Data protection Professional BT:

Differential privacy

Footprinting

Internet security Cyber espionage NT:

Data breach

Intrusion detection

Phishing SQL injection

Professional

Abstracts

IEEE Xplore

Dictionaries

Encyclopedias Libraries

Document delivery

Data dissemination

Information management

Google

Ask IEEE

Teletext

Videotex

Wikipedia

Social engineering

Trust management

UF: BT:

Information retrieval

RT:

Information extraction Professional

Information retrieval

Information systems

communication

communication

RT: Abstracts

Big Data

Document handling

Google **Indexes**

Information filters

Information resources Knowledge discovery Persistent identifiers

Portals

Ranking (statistics)

Symbols

Triples (Data

structure)

NT: Blogs

Content-based

retrieval

Dimensionality

reduction

Information sharing Footprinting

Hypertext systems BT: Information management

Information filtering RT: Collaboration

Information rates Information exchange Music information Information processing NT:

retrieval

Online services

Search engines **Information systems**



BT: Professional Information theory

communication

RT: Big Data applications

> CD-ROMs RT:

Computers and

information processing

Database machines

Extranets File systems

Indexes

Information exchange Information resources Information technology Management information

base

Multimedia computing Office automation Strategic planning

NT: Data systems

Database systems

Distributed

information systems

Identity management

systems

Informatics Information

architecture

Information management Information processing Management information

systems

Medical information

systems

Information technology

BT: Professional

communication

Automation RT:

Biometrics (access

control)

Computer applications Information systems

NT: Bring your own device

Information age Information and

communication technology

Information

representation

Printing

Semantic technology Service computing

Telematics

Universal Serial Bus

UF: Coding theory

Informationtheoretic

Bandwidth

Code refractoring Communication systems

Cybernetics

Cyclic redundancy

check Econophysics

Modulation coding Quantum communication

Statistics Teleportation Viterbi algorithm

Audio coding NT:

Biological information

theory

Channel coding

Codes

Communication channels

Decoding

Encoding

Error compensation Genetic communication Hamming distance Hamming weight Information entropy Mutual information Network coding

Rate distortion theory

Rate-distortion Source coding Speech coding

Informationtheoretic

USE: Information theory

Infrared communication

Optical fiber USE:

communication

Infrared detectors

BT: Radiation detectors

RT: Bolometers

Infrared surveillance

Photodetectors Superconducting

photodetectors

Infrared heating

BT: Heating systems NT: Greenhouse effect



Infrared image sensors

Injection locking Image sensors

> USE: Injection-locked

Infrared imaging oscillators

> BT: Imaging

RT: Biomedical optical

imaging

Infrared surveillance

Optical imaging Remote sensing

NT: Night vision

Infrared lasers

USE: Lasers

Infrared propagation

USE: Optical propagation

Infrared sensors

BT: Sensors

Infrared spectra

UF: IR Spectra

BT: Spectral analysis

RT: Spectroscopy

Infrared surveillance

BT: Surveillance

Infrared detectors RT: Infrared imaging

InGaAs

USE: Indium gallium

arsenide

Inhibitors

Chemical products BT:

Production materials

Retardants RT:

Corrosion inhibitors NT:

Inhomogeneous media

USE: Nonhomogeneous media

Injected beams

Particle beam USF:

injection

Injection lasers

USE:

Semiconductor lasers

Injection locked oscillators

USF: Injection-locked

oscillators

Injection molding

Injection moulding UF:

Power injection

molding

Power injection

moulding

BT: Production

Compression molding RT:

Embossing

Injection moulding

USE: Injection molding

Injection-locked oscillators

Injection locked

oscillators

Injection locking

Oscillators BT:

Injuries

UF: Injury

BT: Medical conditions

NT: Brain injuries

Pain Wounds

Injury

USE:

Injuries

Ink

BT: Production materials

RT: Paints Printing

Ink jet printing NT:

Ink jet printing

UF: Ink-jet printers

> Ink-jet printing Inkjet printing

Ink BT:

Printing

RT: Three-dimensional

printing

Ink-jet printers

USE: Ink jet printing

Ink-jet printing

USE: Ink jet printing



BT: Modeling

Inkjet printing

USE: Ink jet printing

Innovation

Technological USE:

innovation

Innovation management

BT: Engineering management

Research and

development management

Entrepreneurship RT:

Technology management

NT: Creativity

Inorganic chemicals

Chemistry

Inorganic compounds

BT: Compounds RT: Metals

Organic inorganic

hybrid materials

Inorganic LEDs

USE: Inorganic light

emitting diodes

Inorganic light emitting diodes

UF: Inorganic LEDs

BT: Light emitting diodes

Inorganic materials

BT: Materials

RT: Soft electronics

Inorganic organic hybrid materials

Organic inorganic USE:

hybrid materials

Inorganic-organic hybrid materials

USE: Organic inorganic

hybrid materials

TnP

USE: Indium phosphide

Input devices

UF:

Hardware

BT: Computer interfaces

Input variables Variable selection Input-output programs

UF: I/O programs

BT: Operating systems Program processors RT:

Device drivers NT:

Insect control

USE: Pest control

Insects

BT: Animals

Insertion loss

Propagation BT: RT: Attenuation

Inspection

BT: Industry applications

RT: Coordinate measuring

machines

Maintenance

engineering

Testing

NT: Automatic optical

inspection

Instant messaging

UF:

BT: Electronic messaging

Internet

Instanton vacuum

USE: Elementary particle

vacuum

Instruction repertory

Instruction sets USE:

Instruction sets

UF: Instruction repertory BT: Program processors

Out of order NT: Prefetching

Reduced instruction

Instructional aids

set computing

USE: Educational technology

Instrument transformers

BT: Transformers

Protective relaying RT:



NT: Voltage transformers Insulators

Isolation technology

Instrumentation and measurement

Oil insulation NT: Computerized Plastic insulation

instrumentation

Electric variables Insulation life

> Insulation testing BT: High energy physics

RT: instrumentation computing Aging

> **Instruments** Insulation Life estimation Measurement Monitoring Partial discharge

Pulse oximetry measurement

Trees - insulation Testing

Insulation testing Instrumentation buses

> Field buses BT: Insulator testing USE:

RT: Fault location **Instruments** Impulse testing BT:

Instrumentation and Insulation

measurement Partial discharge

RT: Design tools measurement

Measurement Pulsed electroacoustic

NT: Compass methods

> Insulation life Medical instruments NT:

Meters Insulator testing Microscopy

Network analyzers BT: Testing Oscilloscopes RT: Insulators

Surface discharges Pressure gauges Insulation testing Probes NT:

Telescopes Theodolites Insulators

Tuners UF: Bushings BT: Insulation

Insulated gate bipolar transistors RT: Breakdown voltage

BT: Bipolar transistors Ceramic products Impact ionization Insulation Insulator testing

Dielectrics and Polymer foams BT: Temperature electrical insulation

RT: Dielectric breakdown distribution

Dielectric losses Metal-insulator NT:

Dielectric materials structures

Glass Plastic insulators

Insulation life Rubber

Insulation testing Topological insulators Trees - insulation 0ils

Polymer foams

Power transformer Insulin insulation BT:

Drugs

Spark gaps Cable insulation Insulin pumps

NT:

Ceramics BT: Pumps

Gas insulation RT: Biomedical equipment



Diabetes Surface-mount NT:

technology

Insurance

programming

methods

RT:

BT: Financial management Integrated circuit measurements

BT: Circuit testing RT: Electric variables **Intake systems**

Machine components BT: measurement

Integer linear programming Integrated circuit metallisation

> BT: Programming USE: Integrated circuit

> > Integrated circuit metallization

NT: Constraint theory metallization

Mixed integer linear

UF: Integrated circuit

Integer programming metallisation

Linear programming Metallization USE: RT.

Integral equations Integrated circuit modeling

UF: Antiderivatives UF: Integrated circuit

BT: Calculus modelling

RT: Boundary element BT: Integrated circuits

Modeling

Cutoff frequency Deconvolution NT: Integrodifferential

equations Integrated circuit modelling

> Inverse problems USE: Integrated circuit

Method of moments modeling

Numerical analysis

Probability density Integrated circuit noise NT: function BT: Integrated circuits

RT: Semiconductor device

Integrated circuit design noise Threshold voltage Integrated circuit USE:

synthesis NT: Optical noise

Integrated circuit interconnections Integrated circuit packaging BT: Integrated circuits UF: IC packaging

BT: Components, packaging,

Integrated circuit layout and manufacturing technology

BT: Integrated circuit RT: Chip scale packaging

synthesis Encapsulation

> Integrated circuits Layout Plastic packaging Physical design

> Printed circuits Semiconductor device

packaging Integrated circuit manufacture NT:

Multichip modules Components, packaging, BT: Plastic integrated

and manufacturing technology circuit packaging

RT: Gettering

> Integrated circuits Integrated circuit reliability Microassembly BT: Reliability

Micromachining RT: Integrated circuit

Silicon compiler testing

Thermal stability

Application specific Integrated circuit synthesis integrated circuits UF: Integrated circuit CMOS integrated design circuits BT: Circuit synthesis Coprocessors Current-mode circuits Integrated circuits NT: Integrated circuit Digital integrated circuits layout FET integrated Integrated circuit technology circuits Circuits and systems Field programmable RT: High-speed integrated gate arrays Hybrid integrated circuits NT: CMOS technology circuits Moore's Law Integrated circuit interconnections Integrated circuit testing Integrated circuit modeling BT: Testing RT: Integrated circuit Integrated circuit reliability noise NT: Integrated circuit Integrated circuit vield synthesis Logic testing Large scale integration Integrated circuit yield MESFET integrated BT: Integrated circuit circuits testing Microprocessors Microwave integrated Integrated circuits circuits UF: TC Millimeter wave ICs integrated circuits Microchips Monolithic integrated BT: Circuits circuits RT: Active inductors Photonic integrated Integrated circuit circuits manufacture Power integrated Integrated circuit circuits Radiofrequency packaging integrated circuits Integrated optoelectronics Submillimeter wave Memory modules integrated circuits Microelectronics Superconducting Neural network integrated circuits hardware Thick film circuits Planarization Thin film circuits Three-dimensional **SPTCF** Semiconductor devices integrated circuits Semiconductor memory Through-silicon vias UHF integrated Silicon-on-insulator NT: Analog integrated circuits circuits Ultra large scale Analog-digital integration



integrated circuits

integrated circuits

Very high speed

Very large scale

integration

Wafer scale

integration

Integrated circuits industry

USE: Electronics industry

Integrated control

USE: Centralized control

Integrated design

BT: Design methodology

Systems engineering

and theory

Integrated manufacturing systems

BT: Industrial electronics

Manufacturing systems

RT: CADCAM

Computer aided

manufacturing

System integration

Integrated optics

BT: Optics

RT: Arrayed waveguide

gratings

Distributed Bragg

reflectors

Electrooptic

modulators

Integrated

optoelectronics

Microoptics

Optical films
Optical waveguides

Synapses

Thermooptical devices

Integrated optoelectronics

BT: Optoelectronic devices

RT: Heterojunction bipolar

transistors

Integrated circuits

Integrated optics

Liquid crystal on

silicon

Microoptics

Microwave photonics

Smart pixels

Integrated services digital networks

USE: ISDN

Integrated services networks

USE: Intserv networks

Integrodifferential equations

BT: Equations

RT: Differential equations

Integral equations

Integumentary system

BT: Anatomy NT: Hair

> Nails Skin

Intellectual capital

USE: Knowledge management

Intellectual property

UF: IP rights

IPR

BT: Copyright protection

RT: Cyberethics

Notice of Violation

Patents

Software protection

NT: Digital rights

management

Intelligent actuators

UF: Smart actuators

BT: Actuators

Intelligent agents

BT: Software agents

Intelligent control

BT: Cybernetics

RT: Context awareness

H infinity control

Mechatronics

NT: Feedforward systems

Neurocontrollers

Intelligent databases

USE: Deductive databases

Intelligent manufacturing systems

BT: Manufacturing systems

Production systems

RT: Smart manufacturing

Intelligent networks



Telecommunication BT:

network topology

RT: Software defined

networking

Intelligent robots

BT: Intelligent systems

Robots

RT: Autonomous robots

Robot vision systems

Intelligent sensors

UF: Smart sensors

BT: Sensors

RT: Electronic noses

Mechatronics

Intelligent structures

UF: Smart structures

BT: Buildings

RT: Intelligent systems

Structural engineering

NT: Smart cities

Intelligent systems

BT: Artificial

intelligence

RT: Ambient intelligence

Automata

Collaborative

intelligence

Context awareness

Expert systems

Hybrid intelligent

systems

Intelligent structures

Knowledge based

systems

Mobile agents

Software agents

NT: Autonomous systems

Collective

intelligence

Intelligent robots

Intelligent transportation systems

RT: Smart transportation

NT: Automated highways

Autonomous automobiles

Geographic information

systems

Intelligent vehicles

Navigation

Transportation

Intelligent vehicles

BT: Intelligent

transportation systems

Vehicles

RT: Advanced driver

assistance systems

Connected vehicles

Dedicated short range

communication

IEEE 802.11p Standard Smart transportation Vehicle routing

Vehicular automation Wireless Access in

Vehicular Environments

NT: Autonomous vehicles Unmanned vehicles

Vehicle-to-everything

Intensity modulation

BT: Optical modulation RT: Amplitude modulation

Electrooptic

modulators

Interactive systems

BT: Man-machine systems Authentication RT:

External stimuli NT:

Intercalibration

USE: Calibration

Interchannel interference

UF: Adjacent channel

interference

interference

Co-channel

Cochannel interference

Intersystem

interference

Interference BT: RT: Crosstalk

Interconnected systems

UF: Composite systems

BT: System analysis and

design

Control systems RT:

NT: Botnet

Interconnection networks



USE: Multiprocessor Interference

interconnection suppression

Intersymbol

Interest point detection

BT:

Computer vision

Rain fading TV interference Terrain factors

Interference

Interest rates

Economic indicators USE:

Interference (signal)

interference

USE: Interference

Interface management

BT: Management

Systems engineering

and theory

Computer interfaces RT:

Network interfaces

Interference channels

Interference BT:

Interface phenomena

BT: Computer interfaces

RT: Adsorption

NT: Network interfaces Interference constraints

Interference cancellation BT:

> Interference BT:

Interface states

Computer interfaces BT:

MOSFET

RT: Silicon-on-insulator Interference elimination BT:

Interference

Interference suppression

BT: Interference

Interference

UF: Interference (signal)

BT: Electromagnetic compatibility and interference

> Coherence RT:

> > Distortion

Diversity schemes

Noise

NT: Clutter

> Crosstalk Diffraction Echo interference

Electromagnetic

interference

Electromagnetic

radiative interference

Electrostatic

interference

Interchannel

interference

cancellation

Interference

Interference channels

Interference

constraints

elimination

Interference

Interferometers

UF: Etalons

Interferometry BT: Mach-Zehnder NT:

interferometers

Interferometric lithography

BT: Lithography

Interferometry

NT:

BT: Measurement RT: Micrometers

Talbot effect Fabry-Perot

Interferometers

Optical interferometry

Phase shifting

interferometry

Radar interferometry

Radio interferometry Sagnac interferometers

Interleaved codes

UF: Bit interleaved coded

Bit-interleaved coded

BT: Modulation coding

Intermetallic



BT: Alloying

Intermodulation distortion

BT: Nonlinear distortion

Internal combustion engines

HCCI engines UF: BT: Engines

RT: Automotive components

Exhaust gases

Hybrid electric

vehicles

NT: Diesel engines

Ignition

Internal stresses

BT: Stress

International Atomic Time

UF: TAI

BT: Standards categories

Atomic clocks RT:

International collaboration

UF: Joint ventures BT: Management

RT: Environmental factors

Environmental

management

Globalization

International

relations

International trade

Research and

development

Social factors

Standards

Trade agreements

International electrotechnical

commission

USE: IEC

International organization for

standardization

USF: TS0

International relations

Social implications of BT:

technology

Globalization RT:

International

collaboration

Social factors services

International Space Station

BT: Space stations

International standards organization

USE:

International System of Units

Measurement units

International Telecommunications Union

USF: TTU

International trade

UF: Trade (international)

BT: Economics RT: Business

> Exchange rates Globalization International

collaboration

Macroeconomics Trade agreements

Internet

BT: Communication systems

> Computer networks Digital systems

Distributed computing

RT: ARPANET

Blogs

Cyberspace

Diffserv networks Electronic commerce Electronic learning

Extranets

Google

IEEE 802.16 Standard

IP networks

TPTV

Internetworking Intserv networks

Multicast protocols

Multiprotocol label

Next generation

Online services

Point-to-multipoint

Routing protocols

Smart TV

Social network



switching

networking

communications

Streaming media Inter

TCPIP

Video sharing

Virtual enterprises

Virtual private

networks

Web sites

Wikipedia

NT: Bot (Internet)

Botnet

Cloud computing

Crowdsourcing

Instant messaging

Internet of Things
Internet security

Internet telephony

Internet topology

Linked data Middleboxes

Semantic Web

Social computing

Web 2.0

Web services

Internet banking

USE: Online banking

Internet neutrality

USE: Network neutrality

Internet of Everything

USE: Internet of Things

Internet of Things

UF: IOT

Internet of Everything

BT: Internet

RT: Ambient intelligence

Bar codes

Cloud computing

Cyber-physical systems

Machine-to-machine

communications

Middleware

Object detection

Protocols Radiofrequency

identification

Tagging

Virtual environments

Watermarking

Wireless sensor

networks

Internet Protocol networks

USE: IP networks

Internet protocol television

USE: IPTV

Internet security

BT: Computer security

Internet

RT: Information security

Internet services

USE: Web and internet

services

Internet telephony

UF: IP telephony

VOIP

Voice over IP

Voice over Internet

protocol

Voice-over-Internet

protocol

BT: Internet

RT: Point-to-multipoint

communications

Internet topology

BT: Internet

Internetworking

BT: Telecommunication

computing

RT: Computer networks

Internet

Local area networks Metropolitan area

Metrop

networks

Open systems

Wide area networks

Interoperability

LAN interconnection

Interoperability

NT:

UF: Service composability

BT: Internetworking
RT: Collaboration

Common Information

Model (electricity)

Open systems

Interplanetary exploration

BT: Space exploration RT: Space missions



Intracranial system

Interpolating BT: Cranial pressure

USE: Interpolation

Interpolation

UF: Interpolating

BT: Approximation methods

RT: Curve fitting

Digital-analog

conversion

Radial basis function

networks

Statistics Surface fitting

Interpreters (program)

USE: Program processors

Interrupters

UF: Interruption BT: Switchgear

RT: Circuit breakers

Fuses

Interruption

USE: Interrupters

Interstellar chemistry

BT: Chemistry

RT: Extraterrestrial

measurements

Intersymbol interference

BT: Interference RT: AWGN channels

Equalizers

Gaussian channels

Intersystem interference

USE: Interchannel

use: interchannel

interference

Interviews

BT: IEEE indexing

Intestines

BT: Digestive system

Intracranial pressure sensors

BT: Biomedical equipment

Sensors

RT: Brain

Neural engineering

Intrusion detection

BT: Information security

RT: Network function

virtualization

Intserv networks

RT:

UF: Integrated services

networks

BT: Computer networks

Internet

Multimedia

communication

Invasive software

USE: Privacy-invasive

software

Invention

USE: Technological

innovation

Inventory control

BT: Operations research RT: Control systems

Production control
Production management

Inventory management

BT: Production management

RT: Bar codes

Production engineering

NT: Bills of materials

Inverse distortion

USE: Predistortion

Inverse method

se metriou

USE: Inverse problems

Inverse methods

USE: Inverse problems

Inverse modeling

USE: Inverse problems

Inverse problem

USE: Inverse problems

Inverse problems

UF: Inverse method

Inverse methods



Inverse modeling Nuclear and plasma BT:

Inverse problem sciences

Inverse scattering RT: Ion beams NT: Ion implantation

Ion beam effects

BT:

RT:

Ton beams

Aerospace safety

Ion accelerators

Ion emission

BT: Modeling

radar

trackers

RT: Functional analysis

Image reconstruction

Integral equations

Numerical analysis Signal reconstruction

NT: Deconvolution

Inverse scattering Ion beams

> BT: Particle beams USE: Inverse problems RT: Electrodynamics

Inverse synthetic aperture radar Ion accelerators Ion beam applications BT: Synthetic aperture

Ion emission

Ion sources Inverse transforms Ions

USE: Laplace equations NT: Ion beam effects

Ion emission Inverted classroom

> Field ion emission USF: Education AND UF:

> > Online services Secondary ion emission BT: Nuclear imaging

Ion beam effects **Inverters** RT:

BT: Power electronics Ion beams RT: Maximum power point Ion sources Ions

Thermionic emission Zero current switching

Zero voltage switching

NT: Pulse inverters Ion implantation

Resonant inverters BT: Ion beam applications

Materials preparation

Ion optics

Investment RT: Plasma sources

BT: Financial management Semiconductor device

manufacture

Iodine Plasma immersion ion NT:

Chemical elements BT: implantation

NT: Iodine compounds

Iodine compounds Particle beam optics USE:

BT: Iodine

Ion radiation effects

Ion accelerators Radiation effects BT: Particle accelerators Ionizing radiation BT: RT:

RT: Proton radiation Ion beam effects

> Ion beams effects Ion sources

Ion sources Tons

Proton accelerators Ions BT:

Nuclear physics

Ion beam applications RT: Ion accelerators Ion beams



Ion emission Ionosphere

Plasma sources Terrestrial atmosphere BT:

> RT: Meteorology Plasmas

Ionisation USE: Ionization

Ions

Tonisation chambers BT: Elementary particles Ionization chambers USE:

Alpha particles RT: Elementary particle

Ionising radiation exchange interactions

> USE: Ionizing radiation Ion accelerators

> > Ion beams Ion emission

Ionisation Protons Photoionisation Storage rings

Photoionization NT: Ion sources Ions Ionization

RT: Discharges (electric)

IOT Plasmas

Space radiation USE: Internet of Things Impact ionization

NT: Ionization chambers ΙP

> USF: TP networks Ionizing radiation Single event

transients IP networks UF:

Single event upsets ΙP IP-networks

Internet Protocol

Ionization chambers

Ionisation chambers UF: networks BT: BT: Ionization Communication systems

RT: Ionizing radiation Computer networks

Smoke detectors Telecommunications RT: **TPTV**

IP rights

IP-networks

Ionizing radiation Internet

UF: Ionising radiation Machine-to-machine

BT: Ionization communications

RT: Ion radiation effects Next generation Ionization chambers networking

Radiation hardening Quality of service

(electronics) Transport protocols

Silicon radiation NT: TCPIP

detectors

Ionizing radiation sensors USE: Intellectual property

BT: Sensors NT: Position sensitive IP telephony

particle detectors USE: Internet telephony

Radiation detectors

USE: IP networks

Ionomeric polymer-metal composite

actuators *iPOD*

X-ray detectors

USF: Actuators USE: Portable media players



Ionization

UF:

BT:

IPR

USE: Intellectual property Hydraulic systems

Water pumps

Pain

Magnesium oxide

IPTV

UF: Internet protocol Irtran 5

television

Digital TV BT: Broadband RT:

communication

Computer networks

IP networks

ISDN Internet

UF: Integrated services

Local area networks digital networks

Protocols BT:

Digital communication Streaming media

USE:

BT:

RT:

Ischemic pain

Digital systems

Communication systems

Asynchronous transfer

Data communication

IR Spectra

USE: Infrared spectra mode

BT: **IEEE Standards**

Image communication

Multimedia

Frame relay

Iridium communication

> Chemical elements BT: NT: B-ISDN

Iris Ishikawa diagrams

> BT: Eyes USE: Cause effect analysis

Iris recognition **Islanding**

> Biometrics (access BT: BT: Power supplies

control) RT: Electrical safety

Generators

Irises

IRE Standards

USE: Waveguide IS0

discontinuities UF: International

organization for standardization Iron International

UF: Fe standards organization

BT: Metals BT: Standards

NT: Cast iron organizations

Iron alloys Communication

standards

Iron alloys Guidelines BT:

Iron ISO Standards Measurement standards RT: Alloying

Metallurgy Software standards Standardization Austenite

Standards

Irradiation NT: Moving Pictures

USE: Radiation effects Experts Group

Irrigation ISO 9000

> BT: Agriculture USE: Quality management

RT: Agricultural products



NT:

ISO Standards

BT: Standards publications

RT: ANSI Standards

Communication

standards

IS0

Quality management Software standards Standardization

X3D

NT: MPEG standards

Isobaric

BT: Thermodynamics

Isolation technology

BT: Insulation

RT: Vibration control

Isolators

BT: Circuits

Isosurfaces

BT: Data visualization RT: Biomedical imaging

Computational fluid

dynamics

Isothermal processes

BT: Thermodynamics

Isotopes

BT: Chemical elements

Nuclear physics

RT: Radioactive materials

Itemsets

BT: Data analysis

Transaction databases

Iterative algorithms

BT: Iterative methods NT: Belief propagation

Iterative closest

point algorithm

Sum product algorithm

Iterative closest point algorithm

UF: ICP

BT: Iterative algorithms

Iterative decoding

BT: Parity check codes

Iterative learning control

BT: Control theory

Iterative methods Adaptive control

Learning systems

Tracking

Iterative methods

RT:

BT: Mathematics

Numerical analysis

NT: Expectation-

maximization algorithms

Iterative algorithms

Iterative learning

control

ITU

UF: International

Telecommunications Union

BT: Standards

organizations

ITU Standards

BT: Standards publications

RT: UHDTV

Jacks

USE: Lifting equipment

Jacobian matrices

UF: Jacobian matrix

BT: Matrices

Jacobian matrix

USE: Jacobian matrices

Jamming

BT: Electronic warfare

RT: Electronic

countermeasures

Radar clutter

Radar countermeasures Radio communication

countermeasures

Java

BT: High level languages

Jet engines

BT: Engines

RT: Aircraft propulsion

Exhaust gases

Fans



JFET circuits Soldering equipment

BT: FET circuits NT: Filler metals NT: JFET integrated Sealing materials

circuits

circuits

Jitter

BT:

BT:

RT:

Joining processes JFET integrated circuits UF:

Connecting BT:

JFET circuits Coupling (process) RT: **JFETs**

Fastening Linking

JFETs BT: Manufacturing systems UF:

Junction FETs Materials processing

BT: Field effect RT: Couplings Fasteners transistors

> JFET integrated Joining materials RT: Plasma welding Soldering equipment

NT: Jigs Bonding processes

> USE: **Fixtures** Crimping Soldering Splicing Distortion Welding

Circuit stability RT: NT: Timing jitter Joint ventures

International USE:

Job design collaboration Ergonomics

Joints

Job production systems BT: Skeleton Bespoke production UF:

BT: Manufacturing systems Josephson devices

USE: Superconducting

Job rotation devices

USE: Multiskilling Josephson effect

Genetic algorithms

Job shop scheduling BT: Tunneling

BT: Scheduling RT: Josephson junctions

Josephson junctions

Job specification Josephson logic UF: BT:

Human resource Superconducting junction devices management

Multiskilling BT: RT: Superconducting

Recruitment devices

RT: Josephson effect Jobs listings

BT: Career development Josephson Logic

RT: Employment USE: Josephson junctions

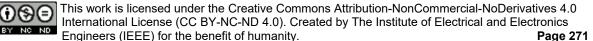
JPEG Johnson Nyquist noise

> USE: Thermal noise USE: Transform coding

Joining materials JPEG2000

> BT: Production materials USE: Transform coding

RT: Joining processes



Judd-Ofelt theory USE: Continuous improvement

BT: Spectral analysis

RT: Fluorescence Kalman filtering

Photoluminescence USE: Kalman filters

Junction detectors Kalman filters

USE: Semiconductor counters UF: Kalman filtering BT: Filters

Junction FETs BT: Filters RT: Estimation

USE: JFETs Nonlinear dynamical

systems

Junction lasers Prediction methods

USE: Semiconductor lasers Sensor fusion

Junctionless nanowire transistors Kaons

BT: MOSFET USE: Mesons

Nanoelectronics

RT: Nanowires Karhunen-Loeve transforms

Silicon-on-insulator BT: Transforms

Junctions KBO

BT: Semiconductor devices USE: Kuiper belt

NT: Heterojunctions

Hybrid junctions Kelvin

P-n junctions BT: Temperature

Waveguide junctions measurement

Junk e-mail Kernel

USE: Unsolicited electronic BT: Mathematics

mail Operating systems

NT: Null space

Junk email System kernels
USE: Unsolicited electronic

mail Kerr effect

BT: Electrooptic effects
RT: Magnetooptic effects

Jupiter RT: Magnetooptic effects
BT: Planets

k neighbor methods
Key performance indicator
UF: KPI

USE: Nearest neighbor BT: Measurement

methods Performance evaluation

k neighbour methods Keyboards

USE: Nearest neighbor BT: Computer peripherals

methods RT: Ergonomics

K-band Keyways

BT: Microwave bands BT: Plugs

K-NN methods Keyword search

USE: Nearest neighbor UF: Keyword searches

methods Keyword searching

KaizenBT:Search methodsRT:Indexing



Keyword searches Potential energy
Thermal energy

USE: Keyword search

Kinetic molecular theory
Keyword searching USE: Kinetic

searching USE: Kinetic theory
USE: Keyword search

Kinetic theory

Kidney UF: Collision theory

BT: Urogenital system Kinetic molecular

NT: Kidney stones theory

Kinetic-molecular Kidney stones theory

UF: Nephrolithiasis Kinetics

Nephroticity Nephroticity

Renal calculi BT: Motion control

Urinary calculesis Physics
Kidney NT: Kinetic

BT: Kidney NT: Kinetic energy Medical conditions

RT: Lithotripsy Kinetic-molecular theory

USE: Kinetic theory

BT: Furnaces Kinetics
RT: Calcination USE: Kinetic theory

Curing

Firing Kirchhoff approximation

Heat treatment USE: Kirchhoff's Law

Kindle Kirchhoff current law

USE: Consumer electronics USE: Kirchhoff's Law

Electronic publishing Kirchhoff scattering

USE: Kirchhoff's Law

Kinematic analysis

UF: Kirchhoff

Kinematic faults approximation

USE: Kinematics Kirchhoff current law

Kirchhoff scattering

Kirchhoff's Law

Kinematic model BT: Spectroscopy

USE: Kinematics

Kirk effect

Kinematic noise USE: Kirk field collapse

USE: Kinematics effect

Kinematics

Kinematics Kirk field collapse effect

UF: Kinematic analysis UF: Kirk effect

Kinematic faults BT: Bipolar transistors Kinematic model

Kinematic noise Klystrons

BT: Mechanical factors UF: Gyroklystrons NT: Motor coordination BT: Electron tubes

RT: Amplifiers
Kinetic energy Cavity reso

energy Cavity resonators BT: Kinetic theory Colliding beam

RT: Mechanical energy accelerators



AND

USE:

Oscillators Knowledge discovery

Relativistic effects Knowledge

representation

Knee

BT: **Extremities**

Knee joint replacements

USE: Prosthetics

Knitted fabric composites

USE: **Fabrics**

Knowledge acquisition

BT: Knowledge engineering

RT: Context awareness

Econophysics Expert systems

Knowledge based

systems

Self-organizing

feature maps

Knowledge based systems

Knowledge systems UF:

Knowledge-based

systems

Rule based systems

BT: Artificial

intelligence

RT: Decision support

systems

Deductive databases

Intelligent systems

Knowledge acquisition

Knowledge

representation

Linked data

Software agents

Expert systems NT:

Mobile agents

Knowledge discovery

BT: Knowledge engineering

RT: Data mining

Data science

Information retrieval

Knowledge management

Knowledge engineering

Artificial BT:

intelligence

RT: Knowledge management

NT: Inference mechanisms

Knowledge acquisition

Knowledge management

UF: Intellectual capital

BT: Computer applications

Management

Competitive RT:

intelligence

Information management Knowledge discovery Knowledge engineering

Management information

systems

Semantic Web

NT: Knowledge transfer

Knowledge representation

BT: Knowledge engineering

RT: Expert systems

Formal concept

analysis

Knowledge based

systems

Linked data

NT: Description logic

> **Ontologies** Thesauri

Knowledge systems USE:

Knowledge based

systems

Knowledge transfer

BT: Information management

Knowledge management

Knowledge-based systems

USE: Knowledge based

systems

Kohonen maps

USE:

Self-organizing

feature maps

KPT

USE: Key performance

indicator

Krypton

BT: Chemical elements



Kuiper belt RT: Engineering education

UF: KB0 Research and

> Kuiper belt objects development

Kuiper belts Student experiments Solar system NT: Remote laboratories

Kuiper belt objects Labour productivity

> Kuiper belt USE: USE: Productivity

Kuiper belts Labour resources

> USE: Kuiper belt USE: Labor resources

L-band Labour supply

> BT: Microwave bands USE: Labor resources

Lab-on-a-chip Lacquers

UF: Lab-on-chip BT: Chemical products

System-on-chip Coatings Materials Paints

Lab-on-chip RT: USE: Lab-on-a-chip

Lagrange duality

Label swapping USE: Lagrangian functions

Multiprotocol label switching Lagrange functions

USE: Lagrangian functions

Labeling

UF: Labelling Lagrange relaxation

BT: Packaging USE: Lagrangian functions

Applicators RT:

Packaging machines Lagrangian functions

UF: Lagrange duality Labelling

Lagrange functions USE: Labeling Lagrange relaxation

BT: Quantum mechanics

Labor productivity

BT:

BT:

USE:

USE: Productivity Lakes

BT: Geoscience

Labor resources RT: Reservoirs UF:

Labor supply Rivers Labour resources Sediments Labour supply Water

Manpower planning Water pollution BT: Human resource Water resources

Water storage

Personnel Wetlands

Equal opportunities RT:

BT: Materials

Labor supply RT: Lamination

Labor resources Lamination

Recruitment

Laboratories BT: Materials processing

Test facilities Laminates BT: RT:



USE:

management

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Laminates

Routing protocols Lamps Software radio

Land mobile radio BT: Lighting NT:

RT: Light sources cellular systems

Lighting control

Ultraviolet sources Land mobile radio cellular systems NT: Cellular land mobile UF:

Discharge lamps Electrodeless lamps radio

Filament lamps Cellular radio Fluorescent lamps Land-mobile radio

LED lamps cellular systems

BT: Land mobile radio

RT: 3G mobile

USE: Local area networks communication

4G mobile

LAN emulation communication

5G mobile UF: Local area network

emulation communication

> BT: Optical fiber networks Bluetooth

Channel estimation LAN interconnection Code division

BT:

Internetworking multiplexing

RT: Computer networks Cross layer design Digital multimedia Local area networks

> Metropolitan area broadcasting

networks Downlink

> Wide area networks Film bulk acoustic

Wireless LAN resonators

Location awareness Land mine detection Multiuser detection Landmine detection USE: Network resource

management

Personal communication Land mines

Landmine detection networks USE:

Land mobile radio Time division UF: Land-mobile radio synchronous code division multiple

> Mobile radio access

Mobile communication Cellular networks BT: NT:

> Radio communication Paging systems

RT: 5G mobile

Land mobile radio equipment communication

Land-mobile radio Ad hoc networks UF:

equipment Bluetooth

Channel estimation BT: Radio communication

Indoor navigation equipment

Land mobile radio Vehicular and wireless

Software radio

equipment technologies

Location awareness RT: Land mobile radio Mobile antennas Telephone equipment

Mobile handsets Transceivers Multiuser detection NT: Mobile antennas

Personal area networks

Radio access networks Land pollution



LAN

BT: Pollution

RT: Industrial pollution

Land use planning Oil pollution

Radioactive pollution

Soil pollution NT:

Land surface

BT: Geoscience RT: Land surface

temperature

Land surface temperature

UF: Ground temperature

Land temperature

Geoscience and remote BT:

sensing

RT: Global warming

Land surface Ocean temperature Remote sensing

Land temperature

USE: Land surface

temperature

Land transportation

UF: Ground transportation

Planetary landers

BT: Transportation

Global Positioning RT:

System

Land vehicles

NT: Rail transportation

Road transportation

Land use planning

BT: Environmental

management

RT: Floods

Land pollution

Reservoirs

Water storage

Land vehicles

Flexible fuel vehicles UF:

Ground vehicles

BT: Vehicles

RT: Land transportation

Rail transportation

NT: Bicycles

Electric vehicles

Road vehicles

Land-mobile radio

USE: Land mobile radio

Land-mobile radio cellular systems

USE: Land mobile radio

cellular systems

Land-mobile radio equipment

USE: Land mobile radio

equipment

Landmine detection

Land mine detection UF:

> Land mines Landmines

Buried object BT:

detection

Military equipment RT:

> Radar imaging Remote sensing

Landmines

USF: Landmine detection

Lane departure warning systems

BT: Road safety

Vehicle safety

RT: Collision avoidance

Lanthanum

BT: Metals

NT: Lanthanum compounds

Lanthanum compounds

BT: Lanthanum

Laparoscopes

BT: Surgical instruments

Minimally invasive RT:

surgery

Laparoscopic surgery

USE: Minimally invasive

surgery

Laplace equations

UF: Inverse transforms

> Laplace operator Laplace transform Laplacian

Mathematics

Laplace operator

BT:

USE: Laplace equations



Laser ablation

Laplace transform BT: Laser applications

USE: Laplace equations

Lapping

BT:

RT:

UF:

Laser applications BT: Laplacian Lasers

RT: USE: Laplace equations CD recording

Endoscopes Gyroscopes

Measurement by laser

Machining Heating systems Surface finishing Holography

beam Laptops

> Optical recording USE: Microcomputers AND

Portable computers Photoacoustic effects Stereolithography

Large Hadron Collider NT: Dark states

Distributed feedback UF:

Test facilities BT: devices

Particle accelerators Laser ablation RT: Laser beam cutting

Large scale integration Laser fusion Laser theory

Large-scale Magnetooptic recording

integration BT: Circuits Laser beam cutting

Integrated circuits BT: Laser applications

Ultra large scale NT: integration Laser beams

Very large scale UF: Laser guide stars

integration BT: Beams

Wafer scale RT: Bragg gratings

integration Electrooptic

modulators

Large screen displays

Laser theory UF: Large-screen displays Lasers

BT: TV equipment Optical beams

Optical vortices Large-scale integration Refractive index USE: Supercontinuum

Large scale integration generation

Thermal lensing

Large-scale systems Laser cavity resonators BT: System analysis and

design BT: Cavity resonators

Complex systems RT: Optical resonators RT:

Fuzzy systems Surface emitting

lasers Large-screen displays

Laser diodes USE: Large screen displays

USE: Diode lasers AND

Semiconductor lasers Larynx UF: Voice tract

> BT: Respiratory system Laser excitation

UF: Electron beam pumping



Excitation of lasers Laser stability

Pumping of lasers BT: Lasers Lasers RT: Stability analysis

BT: Lasers

NT: Optical pumping

Laser surgery

Laser feedback BT: Surgery
BT: Laser noise

Laser theory

Laser fusion UF: Laser physics
BT: Laser applications Laser science

BT: Laser applications
aser quide stars RT: Laser beams

Laser guide stars RT: Laser beams USE: Laser beams Lasers

Optical beams

Laser mode locking Optical design
BT: Laser modes Optics

Particle beams

Laser modes

Ouantum mechanics

BT: Lasers

NT: Laser mode locking Laser transitions
BT: Lasers

Laser noise
BT: Noise Laser tuning

Optical signal BT: Semiconductor lasers

processing Tuning

RT: Lasers and RT: Optical tuning electrooptics

NT: Laser feedback Laser velocimetry

BT: Measurement by laser

Laser physics beam

USE: Laser theory

Laser printers UF: Infrared lasers

BT: Printers BT: Lasers and

electrooptics

Laser radar RT: Laser beams
UF: Lidar Laser theory

Optical radar Light sources
BT: Radar Optical distortion
RT: Geophysical Oscillators

Lasers

measurement techniques Stereolithography

Optical scattering Stimulated emission
Superluminescent

Laser science diodes

USE: Laser theory Threshold current
Ultraviolet sources

Laser sintering Waveguide lasers

UF: Selective laser NT: Atom lasers

sintering Chemical lasers
BT: Materials preparation Diode lasers

RT: Design automation Free electron lasers

Prototypes Gas lasers

Stereolithography Laser applications
Laser excitation



Laser modes Commercial law
Laser stability Consumer protection

Laser transitions

Power lasers

Pump lasers

Quantum well lasers

Ring lasers

Contract law

Criminal law

Employment law

Forensics

Law enforcement

Semiconductor lasers

Solid lasers

Trademarks

Surface emitting

lasers Law enforcement

X-ray lasers UF: Police BT: Law

Lasers and electrooptics RT: Censorship

RT: Erbium Image forensics
Laser noise Legal factors
NT: Electrooptic devices

NT: Electrooptic devices
Electrooptic effects Layered manufacturing

Lasers BT: Manufacturing systems Optics RT: Computational geometry

Optoelectronic devices Stereolithography

Photonics Layered media

Latches USE: Nonhomogeneous media BT: Bistable circuits

Layout

Lattice Boltzmann BT: Graphics

USE: Lattice Boltzmann RT: Art methods Geometry

methods Geometry Integrated circuit

Lattice Boltzmann methods layout

UF: Lattice Boltzmann Wiring
BT: Boltzmann distribution

Lattices LCD

RT: Fluid dynamics USE: Liquid crystal

displays

Lattices
UF: Optical lattices LCDs

BT: Mathematics USE: Liquid crystal

NT: Lattice Boltzmann displays

methods Lcos

Launching (electromagnetic) USE: Liquid crystal on

USE: Electromagnetic silicon

launching

Launching (electrothermal) USE: Log-periodic dipole

USE: Electrothermal antennas

launching

Law USE: Parity check codes

UF: Legal aspects

BT: Legal factors Ldpc codes

NT: Censorship USE: Parity check codes



I DPA

LDPC

Artificial BT:

Leaching intelligence

> BT: Chemical processes RT: Gaussian processes

> > Image annotation

NT: Distance learning Lead

Electronic learning Nearest neighbor

Learning automaton

RT: Graphite methods

Lead compounds

NT: Lead isotopes Learning automata

Lead acid batteries

UF:

BT:

BT:

RT:

Pb

Metals

BT: Learning systems BT: Batteries

Learning automaton

Lead compounds USE: Learning automata

Compounds BT: RT: Lead Learning management systems

BT: Computer aided

Lead isotopes instruction BT: Lead Learning systems

RT: Computer applications Lead time reduction

Electronic learning Production management Management

UF:

Production planning Training Project management

Learning mechanisms

Leak detection USE: Learning systems BT: Sensor systems and

Learning methods applications

Vacuum systems

RT: Packaging USF: Learning systems

> Testing Learning systems

Learning mechanisms UF: Leakage currents Learning methods

UF: Learning-based method Gate leakage current

BT: Current BT: Artificial

RT: Electron traps intelligence

RT: Adaptive systems Fault currents

Context awareness NT: Gate leakage

Cybernetics Leaky wave antennas Inference mechanisms

UF: Iterative learning Leaky-wave antennas

BT: Antennas control

Mobile agents

Leaky-wave antennas Pattern recognition USF: Leaky wave antennas Software agents White matter

Lean production NT: Backpropagation

BT: Manufacturing systems Cognitive systems Production systems Learning automata RT:

Production management Learning management systems

Learning (artificial intelligence) Semisupervised

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learning

Supervised learning Ethical aspects Unsupervised learning Governmental factors

activities

IEEE Corporate

Learning-based method

USE: Learning systems Law enforcement

UF:

BT:

RT:

Length measurement

BT:

RT:

USE:

UF:

BT:

RT:

systems

Lens

Lenses

NT: Copyright protection

Law

Patents

Product liability Software protection

Biped locomotion

Gait assessment

Gait disorders

Mobile robots

Control systems Motion control

Measurement

Micrometers

Lenses

Lens

Focusing

Size measurement

Optical devices

Optical materials

Low earth orbit

Biological control

Gait control

Walking

Trademarks

Least mean squares methods

BT: Least squares

approximation

Mean square error

methods

Least squares approximation Legged locomotion

> BT: Numerical analysis RT: Approximation methods

> > Curve fitting Mean square error

methods

Optimization

Recursive estimation

NT: Least mean squares

methods

LED

USE: Light emitting diodes Legislation

Government BT: LED lamps NT: General Data Protection Regulation

UF: AC llght emitting

diode lamps

AC-LED lamps

Light emitting diode

lamps

BT: Lamps

Light emitting diodes

RT: Light sources

LEDs

Leg

USE: Light emitting diodes

Left handed materials USE: Metamaterials

Left-handed materials

USE:

Metamaterials

LE0

USE: satellites

BT: Extremities

BT: Legal aspects Tumors

> USE: NT: Tissue damage Law

Legal factors Levee

> BT: Engineering management UF: Dike

Censorship RT: Levee system



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Lesions

BT: Geoscience

Licenses Levee system

UF: Licence USE: Levee Licensing

> BT: Contracts

Level control

UF: Liquid level control Licensing

BT: Mechanical variables USE: Licenses

control

NT: Gyroscopes Licensing (nuclear facilities)

Nuclear facility

Level measurement regulation

UF: Liquid level measurement

Geodesy USE: Laser radar BT:

Level set Life estimation

> BT: Calculus UF: Accelerated testing RT:

Lidar

Gradient methods BT: Estimation RT: Aging

Levels, energy Failure analysis

> USE: Fatigue Energy states

Insulation life Levitation

BT: Physics Life long learning

Electrostatic USE: NT: Continuing professional development levitation

Magnetic levitation

Life sciences

IF noise Computational life UF:

USE: Low-frequency noise sciences

Science - general BT:

LHC RT: Animals Biology USE: Large Hadron Collider

Plants (biology)

Li USE: Lithium Life sciences computing

> Computational modeling USE:

li-fi

USE: Light fidelity Life testing

BT: Testing RT: Reliability Li-ion batteries

Lithium-ion batteries USE:

Lifetime estimation

Li-S batteries UF: Lifetime measurement Lithium-sulfur Lifetime tests

batteries BT: Measurement

Libraries Lifetime measurement

> Information services BT: USE: Lifetime estimation

NT: Software libraries

Lifetime tests

Licence USE: Lifetime estimation

USE: Licenses



lifi High-speed optical RT:

USE: Light fidelity techniques

> IEEE 802.15 Standard Optical fiber networks

Radio frequency Visible light

Jacks BT: Materials handling

Hoists

equipment

Lifting equipment

UF:

RT: Freight handling

Materials handling

Pulleys Winches

NT: Cranes

Ligaments

BT: Musculoskeletal system

Light attenuation

USE: Attenuation

Light deflectors

BT: Optical devices RT: Bragg gratings

Light emitters

USE: Light emitting diodes

Light emitting diode lamps

LED lamps USE:

Light emitting diodes

UF: LED **LEDs**

Light emitters

Light-emitting diodes

Optoelectronic devices

BT: RT: Microcavities

Molecular beam

applications

P-n junctions

Visible light

communication

NT: Inorganic light

emitting diodes

LED lamps

Organic light emitting

diodes

Superluminescent

diodes

Light fidelity

UF: li-fi

lifi

Wireless LAN BT:

Wireless communication

Wireless fidelity

Light fields

communication

BT: Optics

Light interferometry

USE: Optical interferometry

Light polarisation

USE: Optical polarization

Light polarization

USE: Optical polarization

Light rail systems

UF: Light railways

Streetcars

BT: Rail transportation RT: Public transportation

Light railways

USF: Light rail systems

Light scattering

BT: Scattering

RT: Optical scattering

Resonance light

scattering

Light sources

BT: Optics 0

RT: Arc discharges

Glow discharge devices

High intensity

discharge lamps

LED lamps

Lamps Lasers

Lighting

Lighting control Photometry

Supercontinuum

generation

Synchrotron radiation

NT: Flectroluminescent

devices



Fast light NT: Lightning protection

Sandwich structures

Page 285

Luminescent devices

Light emitting diodes

Phosphors Lightning protection

Slow light BT: Lightning Stray light Protection Superluminescent

Lightweight structures diodes

Ultraviolet sources BT: Structural shapes RT: Aerospace engineering

Aerospace industry Light trapping Plasmonic solar cells UF: Aerospace materials BT: Photovoltaic cells Honeycomb structures

> Metal foam RT: Reflectivity

Thin wall structures Light-emitting diodes

Limbic system

Lighting BT: Brain

UF: Arc lamps

Illumination Limit cycle BT: Optical devices USE: Limit-cycles

RT: Building services

Buildings Limit-cycle Filament lamps USE: Limit-cycles

Fluorescent lamps Gas discharge devices Limit-cycles

High intensity UF: Limit cycle discharge lamps Limit-cycle

Light sources Mathematics BT:

Lighting control Photometry Limiting

Visible light BT: Signal processing

RT: Nonlinear distortion communication NT: Daylighting Voltage control

Electrical ballasts

Emergency lighting Linac USE: Linear particle Lamps

Solid state lighting accelerator

Lighting control LINACS UF: Illumination control USE: Linear accelerators

BT: Optical control

Line enhancers RT: High intensity discharge lamps BT: Adaptive systems

Engineers (IEEE) for the benefit of humanity.

Lighting

Digital filters Lamps RT: Light sources Filtering theory

Line output transformer

Flyback transformers Lightning USE: BT: Meteorology

RT: Dielectric breakdown Line-of-sight propagation

Electrostatic BT: Electromagnetic radiation processes

Storms This work is licensed under the Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License (CC BY-NC-ND 4.0). Created by The Institute of Electrical and Electronics



USE:

Linear accelerators USE: Maximum likelihood

> UF: LINACS detection

BT: Particle accelerators

RT: Collimators Linear frequency modulation USE: Chirp modulation

Linear algebra

Linear systems Linear integrated circuits UF:

(algebraic)

USE: BT: Algebra circuits

RT: Eigenvalues and

eigenfunctions

NT: Linear programming

> Matrices Vectors

Linear antenna arrays Linear parameter varying systems

> BT: Antenna arrays USE: Linear systems

Linear approximation

BT: Approximation methods RT: Nonlinear equations

Nonlinear systems

Linear circuits

BT: Circuits

RT: Ohmic contacts

Linear codes

Block codes BT: RT: Error correction

Linear discriminant analysis

Linear discriminant UF:

classification

BT: Statistics

RT: Machine learning

Linear discriminant classification

Linear discriminant USE:

analysis

Linear feedback control systems

BT: Control systems

Cybernetics

Linear systems RT:

Frequency locked loops NT:

> Phase locked loops State feedback

Tracking loops

Linear feedback shift registers

BT: Shift registers

inequalities

Principal component

Analog integrated

Mathematics

Linear systems

Uncertain systems

Particle accelerator

High energy physics

Prediction methods

Integer programming

Linear-programming

Operations research

Regression analysis

Maximum likelihood

Linear parameter

Control systems Linear feedback

Linear matrix

Mathematics

Data envelopment

Optimization methods

Linear algebra

Algorithms Microeconomics

Linear matrix inequalities

Linear particle accelerator

instrumentation computing

Linear predictive coding

Linac

BT:

RT:

UF:

BT:

BT:

Linear programming

UF:

BT:

RT:

NT:

Linear regression

linear regression

Linear systems

varying systems

control systems

BT:

NT:

UF:

BT:

RT:

analysis

Linear filtering analysis



Linking

Linux

Lipidomics

Transfer functions LinkedIn

BT: Social network

Linear systems (algebraic) services

USE: Linear algebra

Joining processes Linear-programming USE:

USF: Linear programming

Linearisation techniques BT: High level languages

Linearization USE:

techniques Lipid bilayers USE: Lipidomics

Linearity BT: Electromagnetic

Lipid bilayers measurements UF:

Lipids

BT: Molecular biomarkers Linearization techniques Linearisation RT: Fats

techniques

BT: Mathematics Lipids

RT: Control system USE: Lipidomics

synthesis Control systems Lips

RT:

MOSFET circuits BT: Head

Modulation RT:

Stomatognathic system Operational amplifiers

Liquid cooling

Liquefied natural gas Transmitters UF: LNG

Linguistic indexing BT: Natural gas

Image annotation USF:

Linguistics BT: Cooling

Natural languages NT: Indirect liquid BT: RT: Semiotics cooling

NT: Phonetics

Pragmatics Liquid crystal devices UF: Liquid-crystal devices

BT: Linkages Displays

USE: RT:

Couplings Electrooptic devices Liquid crystals

Linked data Microdisplays

Thin film transistors BT: Internet

NT: Big Data Liquid crystal

Database systems displays

Knowledge based Liquid crystal on

silicon systems

Knowledge

representation Liquid crystal displays

Metadata UF: LCD NoSQL databases LCDs

Ontologies | Liquid-crystal

Ouery processing displays

Semantic Web BT: Liquid crystal devices

NT: Active matrix liquid LiquiFerrofluid

crystal displays USE: Ferrofluid

Liquid crystal on silicon Lithium

> UF: Lcos

> > Fluid flow

Dielectric liquids

BT: Liquid crystal devices BT: Metals Integrated RT: RT: Alloying

optoelectronics

Microdisplays NT: Lithium compounds

UF:

Ιi

Batteries

Lithium batteries Liquid crystal polymers

UF: Liquid-crystal BT: Batteries

polymers Lithium compounds

BT: Polymers

USE:

USE:

Lithium compounds Liquid crystals BT: Lithium

BT: RT: Crystals Alloying

RT: Liquid crystal devices Batteries

Lithium batteries NT: Liquid flow Lithium niobate

Lithium ion batteries

Lithium-ion batteries Liquid insulation USF:

Lithium niobate Liquid level control BT:

Lithium compounds USE: Level control

Lithium-ion batteries

Liquid level measurement UF: Li-ion batteries

Level measurement Lithium ion batteries USF:

Batteries BT: Liquid waveguides

BT: Hollow waveguides Lithium-sulfur batteries

Li-S batteries UF: Liquid-crystal devices BT: Batteries

Liquid crystal devices

Lithography Liquid-crystal displays UF: Photolithography

Liquid crystal BT: Manufacturing USE:

RT: Nanotechnology displays Printing

Proximity effects Liquid-crystal polymers

Colloidal lithography Liquid crystal NT: USE:

Extreme ultraviolet polymers

Interferometric Liquids

Fluids

BT: lithography

> Aerosols Nanolithography Soft lithography Electrohydraulics Materials science and Stereolithography

lithography

X-ray lithography technology Spraying

> NT: Water Lithotripsy

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BT:

Medical treatment



RT:

RT: Kidney stones Load management

> Lithotriptors UF: Load balancing

Load compensation Load composition Load variations

Vehicle-to-grid

BT:

Biomedical equipment

RT: BT: Lithotripsy Energy management

RT: Energy storage Load forecasting

BT: Digestive system Pallets NT: Liver diseases Power demand

Liver diseases

Lithotriptors

Liver

BT: Liver Load modeling

BT: Modeling

Liver neoplasms Power system modeling Neoplasms Power demand BT: RT:

Livestock Load tap changers

USE: Agriculture USE: On load tap changers

LNG Load variations

USE: Liquefied natural gas USE: Load management

Load balancing Loaded antennas

> USE: Load management BT: Antennas

Load compensation Loaded waveguides

USE: Load management BT: Electromagnetic

waveguides

Dielectric materials Load composition RT:

USE: Load management Waveguide

discontinuities Load flow

UF: Power flow Loading

Power factor

BT: Power system BT: Freight handling

management RT: Containers

> Load flow analysis Filling NT: Grippers

Load flow analysis Pulleys UF: Power flow analysis

BT: Load flow Loans and mortgages

UF: RT: Power system security Mortgages

> BT: Power transmission Financial management

> > Local area networks

Load flow control Local area network emulation

Power flow control IAN emulation UF: USF:

BT: Power system control

UF: correction

BT: Communication systems

Load forecasting Digital systems

> BT: Power demand RT: Distributed computing

RT: Load management Ethernet

FDDT



NT:

Field buses

File servers

IEEE 802.3 Standard

IPTV

Internetworking LAN interconnection Media Access Protocol

Multiprocessor

interconnection

Office automation

Open systems Protocols

Regional area networks Storage area networks

Token networks Virtual private

networks

NT: Wireless LAN

Local authorities

USE: Local government

Local government

UF: Local authorities

BT: Government

Local oscillators

BT: **Oscillators**

Location awareness

UF: Geo tagging

Location based

services

Location metadata

Mobile location

management

Mobile radio mobility

management

Mobile communication

Land mobile radio RT:

Land mobile radio

cellular systems

Mobile computing

Navigation

Personal communication

networks

Position measurement

Wireless communication

Network location NT:

awareness

Location based services

USE: Location awareness Location metadata

USE: Location awareness

Log normal distribution

USE: Log-normal

distribution

Log periodic antennas

BT: Antenna arrays

Log-normal distribution

UF: Log normal

distribution

BT: Probability

distribution

Log-periodic dipole antennas

UF: LDPA

BT: **Antennas**

Logic

UF: Formal logic

Computational and BT:

artificial intelligence

RT: Boolean algebra

> Cognitive science Computer science Logic circuits Logic functions

NT: Fuzzy logic

> Multivalued logic Probabilistic logic Sufficient conditions

Logic arrays

BT: Circuits

Logic circuits

Programmable logic

arrays

NT:

Logic CAD

USE: Logic design

Logic circuit testing

USE: Logic testing

Logic circuits

BT: Circuits

Switching circuits

RT: Adders

Computers and

information processing

Counting circuits Digital circuits



Digital integrated USE: Logic testing

circuits

Flip-flops Logic testing

Logic UF: Logic circuit testing

Logic design Logic test

Logic devices Integrated circuit BT:

Logic functions testing

Multiplying circuits RT: Design for testability

Pulse inverters Shift registers

Logical decomposition NT:

Combinational circuits USE: System analysis and

Logic arrays design Programmable logic

Logistics arrays

Superconducting logic UF: Physical distribution

circuits management

BT: Production management

Logic design RT: Procurement UF:

Circuit design (logic) NT: Reverse logistics Logic CAD Supply chains

BT: Design automation

RT: Circuit synthesis Long Term Evolution Design for testability UF: I TF Design methodology LTE advanced

Engineering education BT: 3GPP Standards Communication Logic circuits

Timing standards

NT: Reconfigurable logic RT: 4G mobile

communication

Logic devices High-speed networks

> Mobile communication BT: Circuits and systems RT: Logic circuits Mobile handsets NT: Logic gates Wireless communication

Programmable logic

devices Look-up table USE: Table lookup

Logic functions

BT: Boolean functions Lookup table

RT: Logic USE: Table lookup

Logic circuits Multivalued logic Loop-filtering algorithm

USE: Filtering algorithms

Logic gates BT: Logic devices LOPT

> RT: Boolean algebra USE: Flyback transformers

Logic inverters Loran

USE: Pulse inverters USE: Radio navigation

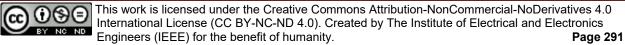
Logic programming Lorentz covariance

> BT: UF: Lorentz force Programming NT:

Constraint handling Lorentz invariance

BT: Physics

Logic test



Lorentz force UF: Low-voltage

USE: Lorentz covariance BT: Voltage measurement

Lorentz invariance Low-carbon economy

USE: Lorentz covariance UF: Decarbonisation

Loss measurement Decarbonised economy
Decarbonization

Measurement Decarbonization

Measurement Decarbonized economy

Attenuation Low fossile fuel

measurement economy

BT:

RT:

Magnetic losses BT: Power system economics Optical losses RT: Carbon

NT: Packet loss Ecosystems Environmental

Lot sizing management

BT: Production control Global warming RT: Materials requirements Greenhouse effect

planning Renewable energy

sources Loudspeakers

BT: Audio systems Low-earth-orbit

RT: Acoustic distortion USE: Low earth orbit

Low density parity check codes

USE: Parity check codes **Low-frequency noise**

UF: LF noise
Low earth orbit satellites
Low frequ

ow earth orbit satellites Low frequency noise

UF: LEO BT: Noise

Low-earth-orbit

BT: Artificial satellites **Low-noise amplifiers**UF: Low

UF: Low noise amplifiers

Low fossile fuel economy

USE: Low-carbon economy

BT: Amplifiers

Low-power electronics
ow frequency noise
UF: Low r

Low frequency noise

UF: Low power electronics

USE: Low-frequency noise

Ultra low power*

Low latency communication
BT: Communication systems
BT: Communication systems
Ultra-low power*
Consumer electronics
RT: Electronic equipment

Nanogenerators

Low noise amplifiers

USE: Low-noise amplifiers

Low-temperature plasmas

UF: Low temperature

Low pass filters plasmas

BT: Filters BT: Plasmas

RT: Plasma applications

Low power electronics

USE: Low-power electronics

Low-voltage

USE: Low voltage

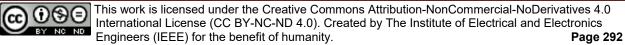
Low temperature plasmas

USE: Low-temperature *LSI*

plasmas USE: Large scale

integration

Low voltage



LTE Lutecium

> USE: Long Term Evolution USE: Lutetium

LTE advanced Lutetium

> USE: Long Term Evolution UF: Lutecium

Lubricants

Cutting fluids Lyapunov function UF:

BT: Production materials USE: Lyapunov methods

RT: Lubrication

Lubricating oils

UF: Oil filters

Oiling (lubrication)

BT: 0ils

Lubrication

BT: Mechanical factors

RT: Friction

Lubricants

Mechanical bearings

Luminescence

Optics BT: RT: Luminescent devices

Muon colliders

Scintillators

NT: Bioluminescence

Electroluminescence

Fluorescence

Phosphorescence

Photoluminescence

Thermoluminescence

Luminescent devices

BT: Light sources

Optical devices

Luminescence RT:

Muon colliders

Electroluminescent NT:

devices

Lunar

Lung

LUT

USE: Moon

BT: Respiratory system

Lung neoplasms

BT: Neoplasms

USE: Table lookup

BT:

Lyapunov methods

UF: Lyapunov function

Lyapunov stability

Chemical elements

BT: System analysis and

design

Control design RT:

Functional analysis

Stability

Lyapunov stability

USE: Lyapunov methods

Lymph nodes

BT: Lymphatic system

Lymphatic system

BT: **Anatomy**

NT: Lymph nodes

M2M

Machine-to-machine USE:

communications

MAC

USE: Media Access Protocol

MAC protocol

USE: Media Access Protocol

Mach-Zehnder interferometers

UF: Mach-Zehnder

modulation

Interferometers BT:

Mach-Zehnder modulation

Mach-Zehnder USF:

interferometers

Machine added indexing

USE: Machine assisted

indexing

Machine aided indexing



USE: Machine assisted Machine learning

indexing UF: Dictionary learning

Machine-learning

Machine assisted indexing BT: Artificial

UF: Automated indexing intelligence
Automatic indexing RT: Bio-inspired computing

MAI Cognitive systems

Machine added indexing Convolutional neural

Machine aided indexing networks

Machine indexing Energy informatics
Machine-added indexing Generative adversarial

Machine-aided indexing networks
Machine-assisted Linear discriminant

indexing analysis

BT: Indexes NT: Boosting
RT: Indexing Deep learning

: Indexing Deep learning Dimensionality

Machine components reduction

BT: Machinery Reinforcement learning

Mechanical products Robot learning
Couplings Statistical learning

Engines
Gears
Machine learning algorithms

Turbomachinery BT: Algorithms
Wheels

NT: Air cleaners Machine shops

Belts BT: Production facilities

Cams RT: Machine tools

Engine cylinders Machinery production

Exhaust systems industries

Impellers Machining
Intake systems

Manifolds Machine tool spindles

Mechanical splines UF: Spindle bearings
Pistons BT: Machine tools
Rotors RT: Mechanical splines

Shafts Shafts Valves

Machine tools

Machine control BT: Production equipment

BT: Industrial electronics RT: Clamps

NT: Machine vector control Coordinate measuring

Machine indexina machines

e indexing Cutting tools

USE: Machine assisted Fixtures
Gears
Hand tools

Machine intelligenceHobbing machinesBT:Computational and artificial intelligenceMachine shopsArtificial intelligenceMachining

RT: Machine-to-machine Manufacturing communications Mechanical guides

NT: Pattern analysis Turning
NT: Dies

indexing

RT:

Drilling machines Machine intelligence Grinding machines Remote monitoring Machine tool spindles Wireless communication Metalworking machines Wireless sensor

Milling machines networks

Presses

Sawing machines

Machinery

Industry applications BT: RT: Machinery production

Machining

Materials handling

Hydraulic systems

Machine components

Printing machinery

Textile machinery

Manufacturing

Motors

Pumps

Clamps

Deburring

Finishing Machine shops

Machinery

Machine tools

Manufacturing

BT: Machine control industries

RT: AC-DC power converters

DC-DC power converters

equipment

Machine vision Production equipment

Agricultural machinery Vision systems NT: UF:

(nonbiological) Ball bearings BT:

Image processing Belts Automatic optical Drives

RT: Electric machines inspection

> IEEE 1394 Standard Image analysis Furnaces Image recognition Gears

Manufacturing

automation

Machine vector control

Observers

Pattern recognition

Stereo vision

Visual systems

Object recognition NT:

Object segmentation Machinery production industries

BT:

Machine windings industries

> BT: Windings Machine shops RT:

Machinery

Machine-added indexing

USE: Machine assisted Machining

BT: Materials processing indexing RT: Burnishing

Machine-aided indexing

Machine assisted USE:

indexing

Machine-assisted indexing

USE: Machine assisted

indexing

NT: Boring Drilling Machine-Learning

USE: Machine learning Electrochemical

machining

Machine-to-machine communications Hobbing machines

> UF: Lapping Communication systems Milling IP networks

> BT: RT: Planing Internet of Things Sawing



Turning Magnetic variables BT:

Virtual machining measurement

> RT: Magnetic fields

Object detection

Macrocell networks

UF: Macrocells

BT: Cellular networks

RT: Rural areas

Macrocells

Macrocell networks USE:

Macroeconomics

BT: Economics

RT: Government

International trade

Public finance

NT: Privatization

Maglev

USE: Magnetic levitation

Magnesium UF:

Mg BT: Metals

NT: Magnesium compounds

Magnesium compounds

BT: Magnesium

NT: Magnesium oxide

Magnesium oxide

UF: Irtran 5

Mg0

BT: Magnesium compounds

RT: Ceramics

Optical materials

Magnetic analysis

Magnetics BT:

RT: Electromagnetic

analysis

Magnetic fields

NT: Magnetization

Magnetic anisotropy

BT: Magnetics

NT: Magnetic domain walls

> Magnetic domains Magnetic moments

Perpendicular magnetic

anisotropy

Magnetic anomaly detection

Magnetic anomaly detectors

BT: Magnetometers RT: Magnetic fields

> Military equipment Object detection

Magnetic bearings

USE: Magnetic levitation

Magnetic circuits

BT: Circuits RT: Coils

Magnetic devices

Windings

Magnetic communication

BT: Communication systems

Electromagnetic RT:

induction

Near field

communication

Magnetic confinement

BT: Plasma confinement RT: Electromagnets

Fusion power

generation

Tokamak devices

Tokamaks

Magnetic core losses

USE: Magnetic losses

Magnetic cores

BT: Magnetic devices

RT: Inductors

Transformer cores NT:

Magnetic devices

BT: Magnetics

RT: Magnetic circuits

Magnetic materials

NT: Accelerator magnets

> Ferrite devices Magnetic cores Magnetic gears Magnetic heads

Magnetic memory Magnetic modulators



Magnetooptic devices Toroidal magnetic

Magnetoresistive fields

devices

Magnetostrictive Magnetic films

devices

UF: Magnetic thin films Solenoids BT: Films

Transformer cores

Magnetic materials

Undulators RT: Thin films

NT: Ferrimagnetic films Magnetic domain walls Ferrite films

Garnet films

Magnetic anisotropy

Magnetic domains Magnetic filters

> BT: Magnetic anisotropy USE: Magnetic separation

Magnetic field induced strain

BT: Magnetomechanical USE:

effects

RT: Ferroelectric films

Ferroelectric

materials

MISFETS

Semiconductor diodes Semiconductor films Semiconductor-metal

interfaces

BT:

Magnetic field measurement

Magnetic variables BT:

measurement

Magnetic fields RT:

Magnetic fields

BT: Magnetics RT: Biomagnetics

Compass

Critical current

density (superconductivity)

Electromagnetic fields

Magnetic analysis

Magnetic anomaly

detection

Magnetic anomaly

detectors

Magnetic field

measurement

Maxwell equations Remanence

SQUID magnetometers

Synchrotrons

NT: Geomagnetism

> Magnetic reconnection Magnetic separation

Magnetostatics

Magnetic fluids

Magnetic liquids

Magnetic flux

BT: Magnetics RT: Remanence Flux pinning NT:

> Magnetic flux density Magnetic flux leakage

Magnetic flux density

Magnetic flux

Magnetic flux leakage

BT: Magnetic flux

Nondestructive testing

RT: Corrosion

Pipelines

Magnetic force microscopy

BT: Magnetics

RT: Atomic force

microscopy

Magnetic forces

Magnetic forces

BT: Magnetics

RT: Electromagnetic forces

Force

Magnetic force

microscopy

Magnetic levitation

NT: Coercive force

Magnetic gears

BT: Gears

Magnetic devices

RT: Electromagnetic



devices

Magnetic levitationFerritesPermanent magnetsFerrofluidPower transmissionFerromagnetic

Variable speed drives materials

Magnetic heads
BT: Magnetic devices

Garnet films
Garnets
Magnetic file

Magnetic devices Magnetic films Magnetic recording Magnetic liquids

Magnetoresistive Magnetic

devices semiconductors

Magnetic superlattices
Magnetic hysteresis
BT: Magnetics

Magnetic superlattices
Paramagnetic materials
Soft magnetic

RT: Hysteresis materials

Remanence

RT:

Magnetic measurements

Magnetic levitation USE: Magnetic variables

UF: Maglev measurement

Magnetic bearings
BT: Levitation Magnetic memory

Magnetics UF: Magnetic storage RT: Electromagnets BT: Magnetic devices

Magnetic forces Memory

Magnetic gears RT: Magnetic recording Rail transportation NT: Floppy disks

Hard disks

Magnetic liquids

UF: Magnetic fluids Magnetic modulators

BT: Magnetic materials BT: Magnetic devices

Modulation Magnetic losses

UF: Magnetic core losses Magnetic moments

BT: Magnetics BT: Magnetic anisotropy
RT: Eddy currents

Loss measurement Magnetic multilayers

Magnetic materials
BT: Magnetics
RT: Coatings
BT: Magnetics

Materials Magnetic nanoparticles

RT: Biomagnetics BT: Nanoparticles

Boron alloys

Magnetic devices Magnetic noise
Magnetoelasticity BT: Magnetic recording

Magnetostriction
Permeability Magnetic particles

NT: Amorphous magnetic BT: Magnetics materials RT: Biomagnetics

Antiferromagnetic Microelectromechanical

materials devices

Diamagnetic materials

Ferrimagnetic films

Magnetic permeability

Ferrimagnetic USE: Permeability

materials USL. Fermeability

Ferrite films Magnetic properties



BT: Magnetics Magnetic resonance

elastography
Magnetic reconnection

BT: Magnetic fields Magnetic semiconductors

BT: Magnetic materials

Magnetic recording Semiconductor
UF: Perpendicular materials

UF: Perpendicular material recording

BT: Recording Magnetic sensors
RT: Magnetic heads BT: Magnetics

Magnetic memory
Sensors

Digital magnetic
NT: Spin valves

NT: Digital magnetic NT recording

Heat-assisted magnetic Magnetic separation

recording UF: Magnetic filters

Magnetic noise BT: Magnetic fields

Magnetic noise BT: Magnetic fields
Magnetooptic recording RT: Particle separators

Microwave-assisted magnetic recording Magnetic shielding

Perpendicular magnetic BT: Electromagnetic

recording shielding

Magnetic resonance Magnetic stimulation

BT: Resonance BT: Medical treatment

Resonant frequency
RT: Ferroresonance Magnetic storage

Magnetic resonance USE: Magnetic memory

resonance BT: Magnetic materials

Ferromagnetic Superlattices resonance

Nuclear magnetic Magnetic susceptibility resonance BT: Magnetics

resonance BI: Magnetics
Paramagnetic resonance

Magnetic switching
Magnetic resonance elastography

BT: Magnetics

BT: Magnetic resonance

imaging Magnetic thin films
USE: Magnetic films

Magnetic resonance imaging
UF: Biomedical MRI Magnetic tunnel junctions

MRI USE: Magnetic tunneling

NMR imaging
Nuclear magnetic Magnetic tunneling

resonance imaging UF: Magnetic tunnel BT: Imaging junctions

RT: Diagnostic radiography Magnetic tunnelling

Image reconstruction Spin-dependent
Magnetic resonance tunneling

NT: Diffusion tensor Spin-dependent imaging tunnelling

Functional magnetic BT: Magnetoelectric

resonance imaging effects



Tunneling Magnets Magnetoelectronics Magnonics

Spin polarized Microwave magnetics Nonlinear magnetics

Remanence

Magnetic tunnelling

RT:

USF: Magnetic tunneling Magnetisation

USE: Magnetization

Magnetic variables control

Control systems BT: Magnetisation processes

USE: Magnetization

Magnetization reversal

Magnetisation

Magnetic analysis

Acoustomagnetic

Magnetisation reversal

USE:

UF:

BT:

Magnetic variables measurement processes

> UF: Magnetic measurements

BT: Measurement Magnetic anomaly NT:

detection

transport

Magnetization Magnetic field

measurement

Magnetometers

Permeability

Magnetization processes measurement

UF: Magnetisation

Magnetics processes

> Biomagnetics Magnetics NT: BT:

Demagnetization Hysteresis RT: NT:

Gyromagnetism Magnetization reversal

Magnetic analysis Saturation

Magnetic anisotropy magnetization

Magnetic devices

Magnetic fields Magnetization reversal

Magnetic flux UF: Magnetisation reversal

Magnetic force BT: Magnetization

microscopy

Magnetic forces

Magnetic hysteresis Magneto electrical resistivity imaging

UF:

processes

Magnetic levitation technique

Magnetic losses UF: **MERIT** Magnetic materials BT: Imaging Magnetic multilayers RT: Geophysical Magnetic particles measurement techniques

Magnetic properties

Magnetic sensors

Magnetoacoustic effects

Magnetic

susceptibility effects

> Magnetic switching BT: Magnetics Magnetization RT: Acoustics

processes Magnetomechanical Magnetoacoustic effects

effects

Magnetoelectric Magnetoelasticity

effects BT: Magnetomechanical

Magnetomechanical effects

effects RT: Magnetic materials Magnetooptic effects NT: Magnetostriction

Magnetoelectric effects

BT: Magnetics

NT: Hall effect

> Magnetic tunneling Magnetoelectronics Magnetoresistance

Spintronics

Magnetoelectronic devices

USE: Magnetoelectronics

Magnetoelectronics

UF: Magnetoelectronic

devices

BT: Magnetoelectric

effects

RT: Magnetic tunneling

Magnetoresistive

devices

NT: Spin polarized

transport

Magnetoencephalography

BT: Biomagnetics

Biomedical image RT:

processing

Brain

Magnetofluid dynamics

Magnetohydrodynamics USE:

Magnetofluiddynamics

Magnetohydrodynamics USE:

Magnetohydrodynamic power generation

BT: Power generation

RT: Magnetohydrodynamics

Magnetohydrodynamics

Hydromagnetics UF:

Magnetofluid dynamics Magnetofluiddynamics

BT: Dynamics

Hydrodynamics Mechanical factors

RT: Electrohydraulics

Fluid flow

Magnetohydrodynamic

power generation

Magnetomechanical effects

Piezomagnetic effects

BT: Magnetics

RT: Magnetoacoustic

effects

Mechanical factors

Stress

NT: Magnetic field induced

strain

Magnetoelasticity Magnetostriction

Magnetometers

UF: Magnetometry

BT: Magnetic variables

measurement

Magnetic anomaly NT:

detectors

SQUID magnetometers

Magnetometry

USE: Magnetometers

Magnetooptic devices

Photomagnetic devices UF: BT: Magnetic devices

RT: Magnetooptic effects

Magnetooptic effects

UF: Photomagnetic effects

BT: Magnetics Kerr effect RT:

Magnetooptic devices

Magnetooptic recording

Optics

NT: Faraday effect

Gyrotropism

Magnetooptic recording

BT: Laser applications

Magnetic recording

RT: Magnetooptic effects

Magnetoresistance

UF: Magnetoresistivity

BT: Magnetoelectric

effects

RT: Magnetoresistive

devices

Nanocontacts

Spin polarized

transport

NT: Anisotropic

magnetoresistance

Ballistic

magnetoresistance



Colossal Magnetostrictive devices

BT: Magnetic devices magnetoresistance RT: Magnetostriction Enhanced

magnetoresistance Sensors

Magnetotail magnetoresistance

Giant USE: Magnetosphere

magnetoresistance Ordinary Magnetrons

Extraordinary

Electron tubes magnetoresistance BT:

Tunneling RT: Relativistic effects

magnetoresistance Sputtering

Magnetoresistive devices Magnets

> Magnetoresistors BT: Magnetics UF: BT: Magnetic devices Cobalt RT:

RT: Giant NT: Electromagnets

Micromagnetics magnetoresistance

Magnetic heads Permanent magnets Magnetoelectronics

Magnonics

Tunneling BT: Magnetics

magnetoresistance MAI

Magnetoresistance

Magnetoresistivity USE: Machine assisted

USE: Magnetoresistance indexing

Magnetoresistors Mail

Postal services USE: Magnetoresistive USE:

devices

Mail (electronic) Magnetosphere USE: Electronic mail

Magnetotail BT: Terrestrial atmosphere Main frames

RT: Geomagnetism USE: Mainframes

Magnetostatic waves **Mainframes**

BT: UF: Main frames Waves Digital computers RT: Electromagnetic BT:

propagation RT: Microcomputers

Magnetostatics Time sharing computer

systems **Magnetostatics**

> BT: Magnetic fields Maintenance

RT: Magnetostatic waves BT: Reliability

Magnetostriction Maintenance engineering

BT: Magnetoelasticity UF: Repair Magnetomechanical BT: Engineering - general

effects RT: Automatic testing

> Availability Magnetic materials

Magnetostrictive Configuration devices management

Fault diagnosis



RT:

UF:

Inspection Man machine systems

Monitoring Man-machine systems USE:

Remaining life

assessment Man-machine interfaces

USE: User interfaces Testing NT: Maintenance management

Man-machine systems Predictive maintenance Preventive maintenance UF: Cyborgs

Systems support Man machine systems BT: Systems, man, and

Maintenance management cybernetics

BT: Maintenance RT: Androids

Cybernetics engineering

Technical management Ergonomics Human computer

Maldistribution interaction

BT: Reliability Human factors

Persuasive systems Malicious software NT: Extended reality USE: Malware Interactive systems

Malignancy Management

> USF: Cancer UF: Reliability management

Business BT:

Malignant Analytic hierarchy RT:

USE: Cancer process

Company reports Malignant tumors Ethical aspects

BT: Tumors Learning management

systems

Malware Management information

UF: Malicious software systems BT: Software

Management training RT: Anti-virus software Operations research

Cyber espionage Personnel Phishing Productivity

Privacy NT: Asset management Best practices Security Computer viruses Business continuity

Computer worms Business process

Ransomware management

Rootkit Business process re-Trojan horses engineering

Communication system

Mammary glands operations and management Glands BT: Conference management

Content management Mammary neoplasms Contingency management Contract management USE: Breast neoplasms

Contracts

Mammography Customer relationship

BT: Biomedical imaging management

RT: Medical tests Decision making



NT:

Dependability Customer relationship RT: management management

> Distributed management Knowledge management Enterprise resource Management

Supply chain planning

> Facilities management management Financial management NT: Portals

Governmental factors Human resource Management training

management BT: Training

Information management RT: Continuing education Interface management Management

International

collaboration MANET USE: Mobile ad hoc networks

Knowledge management Marketing management

Organizational aspects Manganese Outsourcing UF: Mn Process planning BT: Metals

Production management NT: Manganese alloys Program management Project management Manganese alloys

Manifolds

Public relations BT: Manganese Quality management

Requirements Exhaust manifolds UF: management Research and BT: Machine components

development management RT: Engines

Resource management Exhaust systems Risk analysis Valves Safety management

Security management Manipulator dynamics Manipulators Storage management BT:

Supply chain management Manipulator sensing systems

> Technical management USE: Robot sensing systems Technology management

> > UF:

Arms (robotic)

Assembly systems

Manipulator vision systems Management accounting USE:

Robot vision systems BT: Financial management

RT: Company reports Manipulators

BT: Robots Management information base RT: Assembly

Cost accounting

MTR

NT:

UF:

RT:

BT: Computer network Control equipment management Control systems

Information systems Industrial control Manufacturing Telecommunication

automation network management

Virtual environments Materials handling Mechanical variables

Management information systems control Information systems Motion control

Nonlinear systems Machine tools Position control Machining

Service robots Materials handling Servomechanisms Materials processing Production control Servosystems Telerobotics Production engineering End effectors Production facilities Manipulator dynamics Production systems

Productivity Soldering

Assembly systems

Manipulators (nonrobotic) Stereolithography

> Welding Wheels

Manpower planning

Micromanipulators

Remote handling

NT:

USE:

Wire drawing USF: NT: Assembly Labor resources

Manuals Embossing UF: Technical manuals Fabrication

> Professional BT: Green manufacturing

communication Lithography

> Documentation Manufactured products RT: Manufacturing systems Training

Writing Mass customization Smart manufacturing Manufactured products Tolerance analysis

UF: Counterfeit goods Manufacturing automation BT: Manufacturing

> RT: Product customization UF: Factory automation

> > BT: Product design Automation

Industrial electronics Product development

NT: Ceramic products Assembly RT:

> Assembly systems Chemical products Automatic optical Consumer products

Electrical products inspection

Food products Industrial control Fuels Machine vision Glass products Manipulators Mobile robots

Mechanical products Process control Metal products Paper products Programmable control Paper pulp Robots

Plastic products NT: Computer aided

Rubber products manufacturing Sports equipment

Computer integrated Textile products manufacturing

Tools Computer numerical

Windows control

Flexible manufacturing

Manufacturing systems BT: Industry applications

> RT: Bonding Manufacturing economics

Business USE: Industrial economics

Discrete-event systems Industrial plants Manufacturing facilities



USE: Production facilities Cellular manufacturing

systems

processes

printing

Many valued logic

USE:

Manycore processors UF:

BT:

RT:

BT:

RT:

UF:

BT:

RT:

NT:

USE:

Marine accidents

Marine animals

Marine cables

manufacturing systems

manufacturing systems

Flow production

Forging

Integrated

Intelligent

Food manufacturing

Glass manufacturing

Job production systems

Lavered manufacturing

Joining processes

Lean production

Mass production

Melt processing

Thermoforming Three-dimensional

Pulp manufacturing

Multivalued logic

Manycore computing

Program processors

Marine pollution

Marine safety Marine vehicles

Ocean animals

Sea animals

Aquaculture

Underwater cables

Animals

Dolphins

Whales

Multicore processing

Sheet metal processing

Manufacturing

Manufacturing industries

BT: Industries

NT: Aerospace industry

Cement industry Ceramics industry

Clothing industry

Electrical products

industry

Electronics industry

Food industry Footwear industry Fuel processing

industries

Glass industry

Machinery production

industries

Metal product

industries

Plastics industry

Pulp and paper

industry

Rubber industry

Shipbuilding industry

Textile industry Toy manufacturing

industry

Manycore computing

USE: Manycore processors

Accidents

Manufacturing management

USE: Production management

Manufacturing process

USE: Manufacturing

processes

Manufacturing processes

Compliant mechanisms UF: Froth flotation

Manufacturing process

BT: Manufacturing systems

RT: Rapid prototyping

Manufacturing systems

BT: Manufacturing

Production systems

RT: Bleaching

Industrial facilities

Production engineering NT: Agile manufacturing

Automobile manufacture

Batch production

Marine equipment

Blanking

BT:

Marine technology



systems

Marine navigation

Marine pollution

BT: Navigation

Oceanic engineering

and marine technology

RT: Sea state

Water pollution BT: RT: Marine accidents Oil pollution

Oils

Thermal pollution

Market opportunities BT: RT:

RT:

NT:

Marketing management Consumer behavior Customer profiles Disruptive innovation

Underwater vehicles

Marine accidents

Marine safety Propellers

Seaports

Boats

Disruptive

technologies

Marine safety

BT: Safety

RT: Marine accidents

Marine technology Marine vehicles

Marine science

USE: Oceanography Market research

BT: Customer relationship

management

Engineering management

RT: Brand management

Competitive

Marine technology

UF: Ocean technology BT: Oceanic engineering

and marine technology

RT: Marine safety

0ceans

Underwater vehicles

NT: Marine equipment

> Marine transportation Underwater cables

Underwater

communication

Underwater equipment

Underwater structures

Underwater technology

intelligence

Consumer products Customer satisfaction

Marketing management

BT: Management

RT: Electronic commerce

Public relations

NT: Advertising

> Brand management Distribution strategy Market opportunities Mass customization Promotion - marketing

Markov decision processes

USE: Markov processes

Marine transportation

BT: Marine technology

Global Positioning RT:

Ocean vegetation

Marine transportation

Sea vegetation

Vegetation

Ships

System

Seaports

NT: Marine vehicles Markov network

USE: Markov random fields

Markov processes

UF: Markov decision

processes

BT: Stochastic processes Dynamic programming RT:

> Hidden Markov models Infinite horizon Markov random fields

Marine vehicles

Marine vegetation

UF:

BT:

UF:

BT:

Markov random fields

NT:

UF: Markov network BT: Markov processes



Markup languages

BT: Computer languages RT: Cascading style sheets

Semantic Web

HTML NT:

OWI

Page description

languages

SGML

XML

Mars

BT: **Planets**

Martensite

BT: Crystalline materials

Steel

Smart materials RT:

Masers

Microwave lasers UF:

BT: Microwave devices

Microwave technology

RT: Atomic clocks

> Relativistic effects Stimulated emission

NT: Gyrotrons

MASH

USE: Multi-stage noise

shaping

Mashing

USE: Mashups

Mashups

UF: Mashing

Web services BT:

World Wide Web

Masking threshold

BT: Psychoacoustic models

Mass customization

BT: Manufacturing

Marketing management

Mass production

BT: Manufacturing systems RT: Production management

Mass spectrometry USE: Mass spectroscopy Mass spectroscopy

UF: Mass spectrometry

BT: Spectroscopy

Master-slave

Protocols BT:

Mastercard

USE: Credit cards

Masticatory muscles

BT: Stomatognathic system

Matched filters

BT: Filters

RT: Filtering theory

Matching pursuit algorithms

BT: Algorithms

Material properties

Materials BT: NT: Creep Elasticity

Resilience

Material storage

BT: Materials, elements,

and compounds

RT: Canning

Energy storage

NT: Bulk storage

Containers Fuel storage Secure storage

Stacking

Storage automation

Warehousing Water storage

Materials

BT: Materials, elements,

and compounds

RT: Materials handling

Oxidation 0

Acoustic materials NT:

Additives

Aggregates

Amorphous materials Auxetic materials Biological materials Biomedical materials Building materials



Ceramics Waste materials

Composite materials Wire Conducting materials

Corrosion inhibitors Materials handling Crystalline materials UF: Materials handling

Crystals systems

Dielectric materials Scrubbers

Films Materials science and BT:

technology Fluids

Hazardous materials RT: Canning Inorganic materials Compaction

Lacquers Die casting Laminates Dispatching

Magnetic materials Lifting equipment Material properties Manipulators Manufacturing Media

Mesoporous materials Materials Metal foam Mobile robots Metallic materials Pipelines

Metamaterials Radioactive waste

Nanostructured Radioactive waste

disposal materials

0ilsRobots Optical materials Stacking

Organic inorganic NT: Cleaning

hybrid materials Decontamination Organic materials Freight handling

Paints Materials handling

Paper pulp equipment

Petrochemicals **Pallets**

Phase change materials Remote handling

Photoconducting

materials Materials handling equipment

> **Plastics** BT: Materials handling Polymer foams RT: Machinery

Production equipment Polymer gels

Polymers Waste handling

Production materials equipment

Radioactive materials Containers NT:

Raw materials Grippers

Resins Lifting equipment Resists Pulleys

Semiconductor Remote handling

materials equipment

Sheet materials Winches

Smart materials

Materials handling systems Superconducting USE: Materials handling

materials

Surfactants Materials preparation

Solids

Atmospheric sintering Terahertz materials UF: Textiles BT: Materials science and

Thermoelectric technology

Corrosion inhibitors materials RT:



Flame retardants BT: Production planning

NT: Doping RT: Lot sizing Scheduling

Ion implantation Supply chain

Laser sintering management

Sputtering Supply chains
NT: Bills of materials

Materials processing

technology

processing

UF: Mineral processing Materials science

BT: Production USE: Materials science and technology

Canning

Corrosion inhibitors Materials science and technology
Fabrication UF: Materials science

Finishing BT: Materials, elements, Foundries and compounds

Manufacturing RT:

Materials science and Crystals

Gases
Metalworking machines Liquids

Plasma welding Materials processing Soldering Solid-state physics

Austenite

Welding Solids
NT: Annealing NT: Absorption

Bleaching Aging Casting Chemical analysis Coatings Contamination

Curing Degradation
Etching Filtration
Heat treatment Hysteresis

Heat treatment Hysteresis
Joining processes Impurities
Lamination Materials handling

Machining Materials preparation
Melt processing Materials reliability
Plasma materials Materials testing

Plating Microstructure
Pressing Periodic structures

Punching Pigmentation
Refining Separation processes
Shearing Surface engineering

Smelting Surfaces Softening

Swaging Materials testing

BT: Materials science and

Materials reliability technology

BT: Materials science and Testing

technology NT: Accelerated aging

Reliability Acoustic testing
RT: Green's function Adhesive strength
Bonding forces
Delamination

Materials requirements planning Elastic recovery
UF: MRP Nondestructive testing

UF: MRP Nondestructive testin



methods

Materials, elements, and compounds check

> Chemical elements NT: Eigenvalues and

Compounds

technology

analysis

Material storage Equations Estimation Materials

Materials science and Fuclidean distance Finite difference

eigenfunctions

Cyclic redundancy

Finite element

Metals methods

Maternity benefits analysis

> USE: Employee welfare Fourier series

Functional analysis

Mathematical analysis Geometry

> Mathematical model Gradient methods BT: Formal concept NT: Graph theory Harmonic analysis

Fractional calculus Iterative methods

Modal analysis Kernel

Laplace equations Mathematical model Lattices

> Mathematics BT: Limit-cycles RT: Artificial neural Linear matrix

networks inequalities

> Mathematical analysis Linear systems NT: Linearization

techniques

Mathematical programming BT:

Mathematics Mathematical model

Mathematical Optimization methods

programming

Method of moments **Mathematics** RT: Bio-inspired computing Minimization

Econometrics Mode matching methods

Maximum likelihood Network theory

detection (graphs)

> STEM Nonlinear equations

Viterbi algorithm Nonlinear systems Waveguide theory Numerical analysis Accuracy Optimization Algebra Piecewise linear

Algorithms techniques

Arithmetic Predator prey systems

Azimuth Probability

Boundary value Ouaternions Random processes

Calculus Root mean square

Closed-form solutions Sequences Combinatorial Set theory

Simulated annealing mathematics Computational Smoothing methods

> Spirals Conformal mapping Statistics

Convergence Stochastic processes Convex functions Superposition calculus

problems

efficiency

NT:

Taylor series BT: Waves

Tensors

Topology Maximum a posteriori estimation

Transforms

Transmission line

matrix methods

Uncertain systems

Utility theory

method

Mathematics computing

BT: Computer applications

NT: Matlab

Matlab

UF: Matrix laboratory

BT: Mathematics computing

RT: Computer aided

instruction

Numerical analysis

Simulation

Software libraries

Matrices

UF: Matrix algebra

BT: Linear algebra Method of moments RT:

Mode matching methods

NT: Jacobian matrices

Matrix decomposition

Singular value

decomposition

Matrix algebra

USE: Matrices

Matrix converters

UF: Matrix convertors BT: Power conversion

Power electronics RT:

Matrix convertors

Matrix converters USE:

Matrix decomposition

BT: Matrices

RT: Signal processing

Statistics

Matrix laboratory

USE: Matlab

Matter waves

UF: De Broglie methods

De broglie hypothesis

UF: Maximum a posteriori

estimator

Maximum a posteriori

framework

Maximum a posteriori

Maximum a posteriori

probability

Maximum a-posteriori Maximum aposteriori

BT: Estimation theory

Maximum a posteriori estimator

USE: Maximum a posteriori

estimation

Maximum a posteriori framework

USE: Maximum a posteriori

estimation

Maximum a posteriori method

USE: Maximum a posteriori

estimation

Maximum a posteriori probability

Maximum a posteriori USE:

estimation

Maximum a-posteriori

USE: Maximum a posteriori

estimation

Maximum aposteriori

USE: Maximum a posteriori

estimation

Maximum likelihood decoding

BT: Decoding Algorithms RT:

Maximum likelihood detection

UF: Additive metric

Complexity constrained

detection

Linear filtering

BT: Algorithms

RT: Filtering theory

> Mathematics Probability

Statistics



Maximum likelihood estimation RT: Error analysis Estimation theory

UF: MIF

BT: Estimation

Statistics

RT: Set theory

Tracking

approximation

methods

NT:

BT:

Least mean squares

Least squares

Maximum likelihood linear regression Measurement

Maximum power point

BT: Linear regression UF: Metrics

Performance

Maximum power point trackers measurement

MPPT

UF:

BT:

RT:

UF:

BT:

USE:

detector

Performance metrics Instrumentation and

measurement tracking

> Solar power generation BT:

RT: Inverters

Power conversion

Solar energy

Containers RT:

> Data acquisition Instruments

Measurement standards

Phase frequency

Maximum power point tracking

USE: Maximum power point

Equations

Electric fields

Magnetic fields

Perfectly matched

Maxwell-Boltzmann

Multicarrier code

trackers

Telemetry

Testing

Transducers

Accelerometers Maxwell equations NT:

Acoustic measurements

Antenna measurements

Anthropometry Area measurement Atmospheric

layers

measurements

Atomic measurements

Biomedical measurement

Calorimetry

Coordinate measuring

distribution machines

Maxwell-Boltzmann statistics

Maxwell-Boltzmann distribution

USF: Maxwell-Boltzmann

Probability

distribution

MC-CDMA

statistics

Density measurement

Distance measurement Distortion measurement Doppler measurement

Dosimetry

Dynamic range Electric variables

division multiple access measurement

Electromagnetic

MCCDMA

measurements

Extraterrestrial

USF: Multicarrier code division multiple access

measurements

measurements

MDDI USE: Musical instrument

digital interfaces

BT:

Frequency measurement Gain measurement Gas chromatography Geologic measurements

Fluid flow measurement

Geophysical

Mean square error methods Approximation methods



Interferometry Wavelength measurement Key performance Wide area measurements

pH measurement

Length measurement

indicator

uncertainty

Lifetime estimation Measurement by laser beam Loss measurement BT: Measurement

Magnetic variables RT: Laser applications NT: Laser velocimetry

measurement Measurement by laser

Measurement errors beam

Measurement errors BT: Measurement Measurement techniques RT: Error analysis

Measurement

Measurement units Measurement standards

> Mechanical variables BT: Standards categories

Statistical analysis

RT: measurement TSO

> Micrometers Measurement

Moisture measurement Measurement units Noise measurement

Nuclear measurements Measurement techniques Optical variables BT: Measurement

measurement RT: Measurement

Particle beam uncertainty

Calibration measurements NT: Particle measurements

Dynamic equilibrium Performance evaluation

Measurement uncertainty Phase measurement Plasma measurements BT: Measurement Plethysmography RT: **Estimation**

Pollution measurement Measurement techniques

Measurement units

Pressure measurement Pulse measurements

Ultrasonic variables

UF: Units (measurement) Reflectometry BT:

Reproducibility of Measurement results RT: Measurement standards

> Scintillation counters NT: International System Sea state of Units

Semiconductor device Nanometers

measurement

Mechanical bearings Sensitivity

> Shape measurement BT: Friction Size measurement RT: Ball bearings Software measurement Lubrication

Mechanical factors Soil measurements Spectral efficiency NT: Rolling bearings

Spectroscopy Thermal variables Mechanical cables

UF: Cables (mechanical) measurement

> Time measurement BT: Cables

UHF measurements

measurement BT: Mechanical systems

RT: Kinetic energy Viscosity

Mechanical energy



Potential energy UF: Continuously variable transmission Mechanical engineering Powertrain Engineering - general BT: BT: Mechanical engineering RT: Mechanical products RT: Cams Precision engineering Drives Pressure vessels Engines Gears NT: Mechanical power transmission 0ils Mechanical systems Power systems Shafts Mechanical factors NT: Torque converters UF: Mechanical properties BT: Physics Mechanical products RT: Acoustic noise UF: Ball screws BT: Manufactured products Electrostriction Magnetomechanical Production effects RT: Escalators Mechanical bearings Mechanical engineering Mechanical variables Structural rings control NT: Automotive components 0ils Axles Structural engineering Bellows Acceleration Blades NT: Aerodynamics **Brakes** Biomechanics Couplings Damping Fasteners Dynamics Flanges Fatigue Gears Force Hoses Friction Machine components Hydrodynamics Mechanical guides Kinematics Needles **Orifices** Lubrication Magnetohydrodynamics Pistons Photoelasticity Pressure vessels Pressure effects Seals Shock (mechanics) **Springs** Strain Steering systems Stress Structural shapes Surface cracks Tires Vents Torque **Vibrations** Wheels Volume relaxation Workability Mechanical properties USF: Mechanical factors

Mechanical guides

UF: Guideways (mechanical) Mechanical sensors

Slideways (mechanical) BT: Sensors

BT: Mechanical products NT: Capacitive sensors

RT: Machine tools

Position control Mechanical splines

BT: Machine components

Mechanical power transmission RT: Gears



Machine tool spindles Motion measurement

Shafts Position measurement

Rotation measurement

Mechanical stress Strain measurement

USE: Stress Stress measurement Thickness measurement

Mechanical systems Torque measurement BT: Mechanical engineering Velocity measurement

RT: Gears Vibration measurement Mechatronics Volume measurement

Microelectromechanical Weight measurement

devices Pneumatic systems Mechanical vibrations

Turbomachinery USE: **Vibrations**

NT: Mechanical energy

Micromechanical Mechanobiology

devices BT: Biology RT: Biological system

Suspensions (mechanical systems) modeling

Biomechanics Mechanical variables control Cell signaling

Nanomedicine BT: Control systems RT:

Flexible structures Frequency control Mechatronics

Manipulators BT: Electron devices RT: Mechanical factors Autonomous vehicles Mobile robots Control equipment

Motor drives Intelligent control Intelligent sensors Robots Displacement control Mechanical systems

Force control Microelectromechanical

Level control devices Microelectromechanical Motion control

Pitch control systems

(position) Robots

> Position control Vehicular automation

Shape control NT: Biomechatronics Size control

Media Strain control

BT: Stress control Materials Thickness control RT: Design tools

Torque control NT: Nonhomogeneous media

Velocity control Random media Vibration control

Media access control Weight control

Media Access Protocol USF:

BT: Measurement Media Access Protocol

RT: UF: Frequency measurement MAC

Transducers MAC protocol

Angular velocity Media access control Displacement Medium access control

measurement BT: Access protocols Local area networks RT: Force measurement



NT:

NT:

Mechanical variables measurement

Metropolitan area NT: Autopsy

networks Bronchoscopy

Colonography Computer aided

Media streaming

USE: Streaming media

Medical signal

Mediation

Middleware BT:

Nanomedicine

Plethysmography Sensitivity and

Medical computing

Medical conditions

UF:

USE: Biomedical computing specificity

Medical diagnostic imaging

BT: Biomedical imaging

BT: Medical services RT: Cancer

Positron emission

NT: Aneurysm

Atrophy Autism

Medical disorders

tomography

AND

diagnosis

detection

Solid scintillation

Blindness

Cataracts

detectors

Tumors NT: Anatomical structure

Deafness Diabetes

Medical disorders Diseases

USE: Medical conditions

Hemorrhaging Hypertension

Medical equipment Hyperthermia Injuries

USE: Biomedical equipment

Medical instruments

Kidney stones

Obesity 0

Pregnancy Sleep apnea

Medical expert systems BT: Biomedical computing

Stroke (medical

Expert systems RT:

Medical diagnosis

Medical treatment

Biomedical computing

Information systems

Electronic medical

Computer applications

Tumors

Thrombosis

Medical control systems Medical image processing

> BT: Control systems

USE: Biomedical image

Assistive technology processing

Biomedical equipment

Orthotics

Medical imaging Prosthetics

USE: Biomedical imaging

Medical diagnosis

BT: RT:

RT:

condition)

UF: Diagnosis (medical)

> Patient diagnosis Medical services Biomedical imaging

NT:

BT:

Medical information systems

Diagnostic radiography records

Diseases

Electroencephalography Medical instruments

Medical expert systems UF: Medical equipment Occupational medicine BT: Biomedical equipment

Radiography Instruments



BT: Simulation

Medical robotics

UF: Medical robots Medical specialties

> Surgical robots BT: Engineering in

BT: Robots

Biomedical equipment RT:

> Endomicroscopy Wearable robots

NT: Rehabilitation

robotics

Medical robots

Medical robotics USE:

Medical services

UF: Doctor

Emergency medical

services

Health care Healthcare Nursing Physician

BT: Engineering in

medicine and biology

RT: Behavioral sciences

Chemotherapy

Emergency services

NT: Assisted living

> Catheterization Clinical diagnosis

Cybercare

Electronic healthcare

Health information

management

Hospitals In vitro In vivo

Medical conditions Medical diagnosis Medical tests Medical treatment Occupational medicine

Point of care Prosthetics Public healthcare Sensory aids Smart healthcare

Vaccines X-rays

Medical signal detection

BT: Medical diagnosis

Medical simulation

medicine and biology

Anesthesiology NT:

Cardiology Dermatology Gastroenterology

Gerontology Gynecology Neonatology Neurology Oncology Pathology

Medical tests

BT: Medical services RT: Mammography NT: Amniocentesis

Pediatrics

Biopsy

Cancer detection Colonoscopy Pregnancy test

Medical treatment

NT:

UF: Patient identification

Patient treatment

Therapy

Medical services BT:

RT: Biohazards Biomedical

applications of radiation

Medical expert systems Occupational medicine

Psychiatry

Anesthesia Angioplasty Brachytherapy

Brain stimulation Chemotherapy Clinical trials Cryotherapy Defibrillation

Dentistry

Electrical stimulation

Electronic medical

Embolization

Fibrillation Geriatrics Hepatectomy

Hospitals



prescriptions

Hyperthermia

Lithotripsy

Magnetic stimulation

Neuromuscular

stimulation

Neutron capture

therapy

Noninvasive treatment Orthopedic procedures

Orthotics

Patient rehabilitation

Pharmaceuticals Proton therapy

Surgery

Medium access control

Media Access Protocol USF:

Medium resolution imaging spectrometer

USE: **MERIS**

Medium voltage

UF: Medium-voltage

BT: Voltage measurement

Medium-voltage

USE: Medium voltage

Meeting planning

BT: Planning

Meetings

UF: Technical meetings

BT: Professional

communication

RT: Public speaking

Teleconferencing

Conferences NT:

Meetings (technical)

USE: Conferences

Mel frequency cepstral coefficient

UF: **MFCC**

Mel-frequency cepstral

coefficient

BT: Cepstral analysis

Mel-frequency cepstral coefficient

USE: Mel frequency cepstral

coefficient

Melanoma Skin cancer BT:

Melt processing

BT: Manufacturing systems

Materials processing

RT: Die casting

Smelting

NT: Vacuum arc remelting

Membrane potentials

UF: Membrane voltage

Transmembrane

potential

BT: Cells (biology) RT: Action potentials

Neurons

Membrane voltage

USE: Membrane potentials

Membranes

USE: **Biomembranes**

Memetics

Evolution (biology) BT:

Cultural differences RT:

Genetics

Memoirs

Autobiographies USE:

Memory

UF: Data storage BT: Computers and

information processing

RT: CMOS memory circuits

> Memory architecture Phase change materials

Recording

Analog memory NT:

> Associative memory Buffer storage Cache memory

Content addressable

storage

Flash memories

Magnetic memory Memory management

Nonvolatile memory Phase change memory Random access memory

Read only memory Read-write memory

Registers





Scanning probe data

Mentoring storage

Semiconductor memory Career development BT:

> RT: Training

Memory architecture

BT: Computer architecture

RT: Memory

Memory management

Mercury (metals)

BT:

UF:

UF: Hg

BT: Chemical elements

Metals

Planets

Memory management

UF: Garbage collection Mercury (planets)

(computers)

Computer architecture BT:

Memory

RT: Memory architecture

Memory modules Storage management Mergers

Merging

MERIS

Corporate acquisitions USE:

Memory modules

BT: Printed circuits RT: Integrated circuits

Memory management

BT: Data handling RT:

Sorting

Memory resistors

USE: Memristors imaging spectrometer

BT: Spectroscopy

Memoryless channel

USE: Memoryless systems **MERIT**

USE: Magneto electrical

resistivity imaging technique

Memoryless systems

UF: Memoryless channel

BT: Probability Merit pay USE:

Incentive schemes

Medium resolution

Memristor circuits

BT:

RT:

USE: Memristors Mesencephalon

MESFET circuits

BT:

RT:

USE: Midbrain

Memristors

Memory resistors UF:

Memristor circuits

Resistors

NT:

MESFET integrated

FET circuits

circuits

MEMS

systems

Microelectromechanical USE:

Microswitches

Resistive RAM

MESFET integrated circuits

BT: FET integrated

MESFETS

circuits

Integrated circuits

MESFET circuits

MEMS switches RT:

MESFETs NT: Microwave FET

integrated circuits

Mental disorders

USE:

BT: Psychiatry **MESFETS**

UF: Schottky FETs

Mental models BT: Field effect

> transistors USE: Cognitive science



RT: MESFET circuits Publish subscribe

Voice mail

Metasearch

Meta data

Metals

MESFET integrated systems

circuits

Schottky barriers

NT: Microwave FETs Message-oriented middleware BT: Middleware

Mesh generation

BT: Computer displays Messaging service

RT: Computer graphics USE: Message service

Mesh networks Meta data

> BT: Ad hoc networks USE: Metadata

Mesomycetozoea Meta search

> BT: Organisms Metasearch USE:

Mesons Meta-modeling

> UF: Kaons USE: Metamodeling

Muons Pions

BT: Elementary particles USE:

RT: Cosmic rays

Metabolic networks Mesoporous USE: Biochemistry

Mesoporous materials USE:

Mesoporous materials USE: Biochemistry

UF: Mesoporous

BT: Materials **Metabolomics**

Molecular biomarkers BT:

Message authentication BT: Data security

Metacomputing RT: Cryptography BT: Distributed computing

> Digital signatures NT: Grid computing

> > UF:

Meta-search

Metabolism

Message systems

NT: Steganography Metadata

Message passing BT: Data models

Distributed processing Image annotation BT: RT: Linked data

Message service

UF: Messaging service Metal cutting tools

BT: Web services BT: Cutting tools RT: Plasma jets

Message systems BT:

Materials

technology BT:

RT: Cluster computing RT: Lightweight structures

Digital signatures

Communications

Message authentication Polymer foams

NT: Electronic mail

> Electronic messaging Metal oxide semiconductor

Postal services heterojunction FETs

USE: MOSHFETs



Metal foam

USE: Semiconductor-metal

Metal product industries interfaces

> BT: Manufacturing

industries

Metal products RT.

Metal products

Manufactured products BT:

RT: Ball bearings

Blanking

Metal product

industries

Metals industry

Swaging

Metal vapor lasers

USE: Gas lasers

Metal-insulator structures

BT: Insulators RT: Electrodes

MIS devices

MOS integrated

circuits

MIM capacitors NT:

MIM devices

Metal-insulator-metal capacitors

MIM capacitors USE:

Metal-insulator-metal devices

USE: MIM devices

Metal-insulator-semiconductor devices

USF: MIS devices

Metal-oxide semiconductor field effect

transistor

MOSFET circuits USE:

Metal-oxide semiconductors

USE: MOS devices

Metal-oxide-nitride-oxide-

semiconductors

MONOS devices USF:

Metal-oxide-nitride-oxide-silicon

USF: MONOS devices

Metal-oxide-semiconductor devices

USE: MOS devices

Metal-semiconductor interfaces

Metallic materials

BT: Materials RT: Cermet

Metallic superlattices

BT: Superlattices

Metallisation

USE: Metallization

Metallization

UF: Metallisation

Metals BT: RT: Wiring

NT: Integrated circuit

metallization

Metallurgy

Materials science and BT:

technology

RT: Iron alloys

Metals

Metalorganic vapor deposition

USE: MOCVD

Metals

UF: Alloys

Materials, elements, BT:

and compounds

RT: Blanking

> Die casting Filler metals

Inorganic compounds

Metal foam Metallurgy

Metalworking machines

NT: Alloying

> Aluminum Barium

Bismuth Boron Cadmium

Calcium Chromium Cobalt Copper

Digital alloys

Erbium Gallium

Germanium



Gold NT: Electromagnetic

Hafnium metamaterials

Indium Optical cloaking Iron Optical metamaterials

Lanthanum

Lead Metamodeling

Lithium UF: Meta-modeling Magnesium BT: Modeling

Manganese

Mercury (metals) Metamorphic HEMTs

Metallization USE: mHEMTs

Neodymium

Nickel Metasearch

Niobium UF: Federated search Palladium Federated searching

Platinum Meta search
Rare earth metals Meta-search
Samarium BT: Search methods
Silver RT: Triples (Data

Steel structure)

Strontium

Tin Metastasis

Titanium UF: Metastatic disease

Tungsten BT: Cancer Yttrium RT: Diseases

Zinc

Metastatic disease

Metals industry USE: Metastasis

UF: Aluminium industry

Aluminum industry Meteorological factors
BT: Industries BT: Geoscience
RT: Metal products RT: Fading channels

Smelting RI: Fauing Channels

Multipath channels

Metalworking machines Meteorological radar

BT: Machine tools UF: Radar meteorology

RT: Cutting tools BT: Radar
Materials processing RT: Backscatter

Metals Radar imaging

Metamaterial cloaking Meteorology

USE: Optical cloaking UF: Climate

MetamaterialsBT:GeophysicsUF:Acoustic metamaterialsRT:Air pollution

Left handed materials

Left-handed materials

Atmosphere

Atmospheric

Microwave measurements

metamaterials Data assimilation

BT: Materials Environmental factors

Nanocomposites Ice

Optical materials Ionosphere
Refractive index Pressure effects
Smart materials Remote sensing



RT:

Terrestrial atmosphere Integral equations

NT: Humidity Matrices

Lightning
Monsoons Method-of-moments

Rain USE: Method of moments

Snow Storms

Storms Methyl alcohol
Weather forecasting USE: Methanol

Wind

Meter reading USE: Measurement

Meter reading USE: Measureme BT: Power system

measurements Metro area networks

NT: Automatic meter USE: Metropolitan area

reading networks

Smart meters

Metrology

Meters

BT: Science - general

NT: Optical metrology

BT: Instruments NT: Optical metrology NT: Dynamometers

Flowmeters Metropolitan area networks

Goniometers UF: Metro area networks
Potentiometers BT: Communication systems
Radiometers Computer networks
Tachometers Digital systems

Vibrometers RT: Distributed computing
Voltmeters IEEE 802.16 Standard
Watthour meters Internetworking
Wattmeters LAN interconnection

Media Access Protocol

Multiprocessor Multiprocessor

BT: Natural gas interconnection
RT: Carbon emissions Open systems

Protocols Regional area networks

UF: Carbinol Token networks

Methyl alcohol
Wood alcohol
Metropolitan areas

Wood naphtha USE: Urban areas

Wood spirits

BT: Chemical compounds MFCC

RT: Anti-freeze USE: Mel frequency cepstral

Mq

Fuels coefficient

Solvents

Method of moments USE: Magnesium

UF: Galerkin method

Method-of-moments MgO
MoM USE: Magnesium oxide

Moment methods

BT: Mathematics MHD

Numerical analysis USE: Magnetohydrodynamics

RT: Boundary element
methods mHEMTs





Methanol

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Page 324

UF: Metamorphic HEMTs

BT: HEMTs **Microactuators**

BT: Actuators

MIB Microelectromechanical USE: Management information

devices

Microassembly

manufacture

RT:

Flip-chip devices

Integrated circuit

Microrelays base RT:

MIC Microarchitecture

USE: Microwave integrated BT: Software architecture

circuits

Mice UF: Die attach

> UF: Mouse Die bonding BT: Animals BT: Assembly

Mice flows

IISF · Communication system manufacture

traffic AND Micromachining

Semiconductor device Computer networks

Micro air vehicles

Unmanned aerial Microbial eletrolysis cells USE:

vehicles Fuel cells USF:

Micro computers Microbial fuel cells

USE: USE: Fuel cells Microcomputers

Micro-computers Microcavities

USE: Optical resonators Microcomputers BT: RT: Cavity resonators

Micro-electro-mechanical devices Light emitting diodes

USE: Microelectromechanical Microoptics devices

Photoluminescence Spontaneous emission Micro-electro-mechanical systems Whispering gallery

USE: Microelectromechanical modes

systems

Microcell networks

Micro-electromechanical devices Microcells UF:

Microelectromechanical Small cell networks USF: devices BT: Cellular networks Ultra-dense networks RT:

Micro-electromechanical systems

Microelectromechanical USE: Microcells

Microcell networks systems USE:

Microchannels Micro-hydro

> USE: Microhydro power BT: Hydraulic diameter

Micro-optical components Microchip lasers

USE: Microoptics BT: Solid lasers

Micro-opticalmechanical devices *Microchips*

USE: Microoptics Integrated circuits USE:



Micro-

Microcomputers electromechanical devices

UF: Laptops BT: Microelectromechanical

Micro computers systems

Micro-computersRT:Magnetic particlesMinicomputersMechanical systems

Personal computers Mechatronics
Computers Micromachining

RT: Consumer electronics Microsensors

Home computing NT: Microactuators
Mainframes Micromotors
Microprocessors Micropumps
Office automation Microvalves

NT: Portable computers

BT:

Workstations Microelectromechanical systems

UF: MEMS
Microcontact printing Micro-electro

Microcontact printing Micro-electro-USE: Soft lithography mechanical systems

Micro-

Microcontrollers electromechanical systems
BT: Control equipment BT: Electron

Control equipment BT: Electron devices
Microprocessors RT: Mechatronics

RT: CMOS technology Nanoelectromechanical

Control systems systems

High-speed integrated NT: Microelectromechanical circuits devices

Neurocontrollers Radiofrequency

System-on-chip microelectromechanical systems

Microdisplays Microelectronic implants
BT: Displays BT: Implants

RT: Liquid crystal devices

Liquid crystal on Microelectronic stimulation

silicon USE: Electrical stimulation

Microoptics Microelectronics

MicroeconomicsBT:Electronic equipmentBT:EconomicsRT:Integrated circuits

RT: Economics RI: Integrated circuits

Monopoly Microfabrication

Oligopoly BT: Fabrication
Supply and demand Micromechanical

NT: Economies of scale devices

Industrial economics RT: Fiducial markers

Nanotechnology

Microelectrodes

BT: Electrodes Microfiltration

RT: Neurophysiology BT: Filtration

Neurostimulation RT: Contamination

Microelectromechanical devices Microfluidics

UF: Micro-electro- BT: Electron devices

mechanical devices Fluidics RT: Biochips



Biomedical engineering Microsystems Fluidic microsystems BT: Electron devices Hydrodynamics Mechanical systems

RT: Microoptics

Micrographs

BT:

Microhydro power

Nanogenerators NT: Biomedical USE: Photomicrography

microelectromechanical systems **Microgrids**

Fluidic microsystems Microfabrication

RT: Distributed power

Power grids

generation

Micromechanical systems

Power generation USE: Micromechanical devices

Power system management

Micrometers Power system

Micrometres reliability UF: Smart grids Micrometry

Microns BT: Microgrippers Measurement

USE: Grippers RT: Distance measurement

> Interferometry Length measurement Strain measurement

UF: Micro-hydro Hydroelectric power Thickness measurement BT: generation

Appropriate technology Micrometres RT:

USE: Micrometers

Microinjection BT: Biology Micrometry

Micrometers USF:

Micromachining BT: Electronic equipment **Micromirrors**

manufacture UF: Digital micromirror

Electrochemical devices

machining BT: Microoptics

> **Embossing** Mirrors

Optical arrays Etching RT: Integrated circuit Optical projectors

manufacture Microassembly **Micromotors**

> Microelectromechanical Microelectromechanical

devices devices

Semiconductor device Motors

manufacture Rotating machines

Micromagnetics Microns

> BT: Magnets USE: Micrometers

Micromanipulators Microoptical components

BT: Manipulators USE: Microoptics

Micromechanical devices **Microoptics**

UF: Micromechanical UF: Micro-optical

systems components



Micro-NT: Automatic logic units

opticalmechanical devices

Microoptical Coprocessors Microcontrollers

components

BT: Optics 0

RT: Integrated optics

Integrated

Microprogramming optoelectronics

> Microcavities UF: Firmware Microdisplays BT: Programming

Micromechanical RT: Computer architecture

Microrelays

RT:

RT:

Microsatellites

Software

Biomimetics

Microprocessor chips

Vector processors

devices

Microswitches

NT: Micromirrors **Micropumps**

> BT: Microelectromechanical

Microorganisms devices

> UF: Bacteria Pumps

> > Bacterial content

Viruses

(microorganisms) BT: Relays

BT: Organisms

RT: Biological cells

Immune system

Molecular biophysics USE: Small satellites

NT: Adenoviruses

Microscopy Microphone arrays

BT: **Imaging** BT: Microphones

Instruments Optical imaging

Microactuators

Microphones Atomic force NT:

BT: Audio systems microscopy

NT: Microphone arrays Electron microscopy

Endomicroscopy Scanning microwave

USE: Photomicrography

microscopy

Scanning probe

Microphotography

Microphotographs

USE: Photomicrography

Microsensors

Microprocessor chips BT: Electromechanical

> BT: Microprocessors sensors

RT: Flip-chip devices RT: Control systems

Substrates

Microelectromechanical

microscopy

Yield estimation devices

Wireless sensor

Microprocessors networks

Circuits BT:

> Integrated circuits Microsoft Excel

RT: CMOS technology USE: Spreadsheet programs

Embedded systems

Flip-chip devices Microsoft Windows

Microcomputers BT: Operating systems

Processor scheduling

System-on-chip Microstrip



UF: Microstrip lines Microstructured fibres

BT: Planar transmission USE: Photonic crystal

lines fibers

RT: Broadband antennas
NT: Microstrip components

Γ: Microstrip components **Microsurgery** BT: Surgery

Microstrip antenna arrays

UF: Microstrip arrays
BT: Antenna arrays

RT: Antennas

Aperture coupled

antennas

Microstrip antennas

rizer oser ip unceimus

Microstrip antennas

BT: Antennas

RT: Aperture coupled

antennas

Microstrip antenna

arrays

Patch antennas

Microstrip arrays

USE: Microstrip antenna

arrays

Microstrip components

BT: Microstrip

RT: Power combiners

Power dividers

Thick film inductors

NT: Microstrip resonators

Microstrip filters

BT: Filters

RT: Microwave

communication

Microstrip lines

USE: Microstrip

Microstrip resonators

BT: Microstrip components

RT: Resonance

Microstructure

BT: Materials science and

technology

RT: Crystal microstructure

Microstructured fibers

USE: Photonic crystal

fibers NT:

Microswitches

UF: MEMS switches

BT: Switches RT: Microoptics

Microsystems

USE: Micromechanical

devices

Microvalves

BT: Microelectromechanical

devices

Valves

Microwave amplifiers

BT: Microwave devices

Microwave antenna arrays

BT: Antenna arrays

Microwave antennas

BT: Antennas

Microwave bands

BT: Microwave technology

NT: C-band K-band I-band

Microwave circuits

BT: Circuits

Microwave technology

RT: Analog circuits

Distributed parameter

circuits

Microwave devices

Microwave integrated

circuits

Microwave photonics

Microwave communication

BT: Communication systems

Microwave technology

RT: Microstrip filters

Microwave photonics

NT: Rectennas



Microwave devices

BT: Microwave technology

Electromagnetic RT:

waveguides

Microwave circuits Microwave photonics Photonic crystals

Superconducting

microwave devices

NT: Masers

> Microwave amplifiers Microwave filters Microwave transistors

Microwave FET integrated circuits

MESFET integrated BT:

circuits

RT: Microwave FETs

Microwave FETs

BT: MESFETS

Microwave transistors

RT: Microwave FFT

integrated circuits

Microwave filters

BT: Microwave devices

Microwave frequencies

Microwave measurement BT:

Microwave generation

BT: Microwave technology

NT: High power microwave

generation

Microwave heating

USE: Electromagnetic

heating

Microwave imaging

BT: Imaging

RT: Remote sensing

Microwave integrated circuits

UF: MTC

BT: Integrated circuits

RT: Analog integrated

circuits

Microwave circuits

NT: MMTCs

Microwave Lasers

USE: Masers Microwave magnetics

BT: Magnetics

Microwave measurement

BT: Electromagnetic

measurements

RT: Microwave technology NT: Microwave frequencies

Microwave metamaterials

USF: Metamaterials

Microwave oscillators

BT: Oscillators

Microwave ovens

BT: Consumer electronics

Consumer products Home appliances

0vens

Microwave photonics

Microwave technology BT:

Photonics

RT: Electrooptic

modulators

Elementary particles

Integrated

optoelectronics

Microwave circuits

Microwave

communication

Microwave devices Optical modulation

Microwave propagation

Electromagnetic BT:

propagation

Broadband antennas RT:

Electromagnetic

waveguides

Microwave radar

USE: Radar

Microwave radiometry

BT: Radiometry

Microwave sensors

BT: Microwave technology

Microwave technology



BT: Microwave theory and Web services

techniques

RT: Microwave measurement Mie scattering

> Radar BT: Baluns scattering

NT:

Beam steering RT:

Circulators analysis

Masers Electromagnetic fields Microwave bands Electromagnetic forces

propagation

Electromagnetic

Electromagnetic

Electromagnetic

Microwave circuits Electromagnetic

Microwave measurements

communication

Microwave devices

Microwave generation Microwave photonics

Mil standards Microwave sensors USE:

Military standards

Microwave theory and techniques Military aircraft

Military equipment NT: Microwave technology BT:

Millimeter wave RT: Aircraft

technology Hyperspectral sensors

Submillimeter wave Payloads NT: technology

Military command and control

Microwave transistors USE: Command and control

Microwave devices BT: systems

NT: Microwave FETs Military communication

Microwave-assisted magnetic recording BT: Communication systems

> Magnetic recording Command and control BT: RT:

systems

Midbrain

Cross layer design UF: Mesencephalon Electronic

BT: countermeasures

Central nervous system

Hyperspectral sensors RT: Forebrain Military satellites

Hindbrain Ultra wideband

communication

Middleboxes Reconnaissance NT: BT: Computer network

management Military computing

Computer applications Internet BT:

> Mobile computing RT:

Middleware

Military equipment BT: Client-server systems

> Software BT: Aerospace and

RT:

Computer applications electronic systems Computer networks RT:

Defense industry Internet of Things Explosion protection Publish subscribe Ground support

Landmine detection Magnetic anomaly

Mediation Message-oriented detectors

middleware Night vision



NT:

systems

Open area test sites

Wearable robots

NT: Military aircraft

Military satellites Military vehicles

Weapons

Military satellites

BT: Artificial satellites

Military equipment

RT: Global Positioning

System

Hyperspectral sensors

Military communication

Military standards

UF: Mil standards

BT: Standards categories

Military vehicles

BT: Military equipment

Vehicles

Milk

USE: Dairy products

Millennial generation

USE: Millennials

Millennials

UF: Generation Y

Millennial generation

BT: Social groups

Millimeter wave circuits

UF: Millimeter-wave

circuits

BT: Circuits

Millimeter wave

technology

RT: Analog circuits

Distributed parameter

circuits

Millimeter wave

devices

NT: Millimeter wave

integrated circuits

Millimeter wave communication

UF: Millimeter-wave

communication

BT: Radio communication

RT: Millimeter wave

propagation

Millimeter wave devices

UF: Millimeter-wave

devices

BT: Millimeter wave

technology

RT: Millimeter wave

circuits

Millimeter wave

integrated circuits

NT: Millimeter wave

transistors

Millimeter wave integrated circuits

UF: Millimeter-wave

integrated circuits

BT: Circuits

Integrated circuits

Millimeter wave

circuits

Millimeter wave

technology

RT: Analog integrated

circuits

Millimeter wave

devices

NT: MIMICs

Millimeter wave measurements

UF: Millimeter-wave

measurements

BT: Electromagnetic

measurements

RT: Millimeter wave

technology

Millimeter wave monolithic integrated

circuits

USE: MIMICs

Millimeter wave propagation

UF: Millimeter-wave

propagation

BT: Electromagnetic

propagation

RT: Millimeter wave

communication

Millimeter wave radar

UF: Millimeter-wave radar

BT: Millimeter wave

technology

Radar

ion



Millimeter wave technology

UF: Millimeter-wave

technology

BT: Microwave theory and

techniques

RT: Millimeter wave

measurements

NT: Millimeter wave

circuits

Millimeter wave

devices

Millimeter wave

integrated circuits

Millimeter wave radar

Millimeter wave transistors

UF: Millimeter-wave

transistors

BT: Millimeter wave

devices

Transistors

Millimeter-wave circuits

USE: Millimeter wave

circuits

Millimeter-wave communication

USE: Millimeter wave

communication

Millimeter-wave devices

USE: Millimeter wave

devices

Millimeter-wave integrated circuits

USE: Millimeter wave

integrated circuits

Millimeter-wave measurements

USE: Millimeter wave

measurements

Millimeter-wave monolithic integrated

circuits

USE: MIMICs

Millimeter-wave propagation

USE: Millimeter wave

propagation

Millimeter-wave radar

USE: Millimeter wave radar

Millimeter-wave technology

USE: Millimeter wave

technology

Millimeter-wave transistors

USE: Millimeter wave

transistors

Millimicron

USE: Nanometers

Milling

BT: Machining RT: Boring

Milling machines

Milling machines

BT: Machine tools RT: Ball milling

Cutting tools

Milling

MIM capacitors

UF: Metal-insulator-metal

capacitors

BT: Metal-insulator

structures

MIM devices

UF: Metal-insulator-metal

devices

Metal-insulator

structures

RT: Semiconductor-

insulator interfaces

BT:

MIMICs

UF: Millimeter wave monolithic integrated circuits

Millimeter-wave

monolithic integrated circuits

BT: Millimeter wave

integrated circuits

Monolithic integrated

circuits

RT: MMICs

Radiofrequency

integrated circuits

MIMO communication

UF: MIMO systems

Multiple antenna

systems

Multiple input

multiple output



Multiple input

multiple output systems

Multiple-input

multiple-output

Multiple-input

multiple-output systems

Multiple-input-

multiple-output

Multivariable systems

BT: Communication systems

RT: 3G mobile

communication

Control systems

IEEE 802.11 Standard
IEEE 802.11n Standard
IEEE 802.16 Standard
MISO communication

Multipath channels

NOMA OFDM

Optimization methods Radio communication

SIMO communication SISO communication

NT: Rician channels

MIMO radar

BT: Multistatic radar

MIMO systems

USE: MIMO communication

Mind-machine interfaces

USE: Brain-computer

interfaces

Mineral processing

USE: Materials processing

Mineral resources

BT: Minerals

Mineralization

BT: Minerals

Minerals

BT: Geology

NT: Mineral resources

Mineralization

0res

Miniaturized satellites

USE: Small satellites

Minicomputers

USE: Microcomputers

Minimally invasive surgery

UF: Laparoscopic surgery

BT: Surgery

RT: Laparoscopes

Minimax techniques

UF: Minmax techniques

BT: Statistics RT: Artificial

intelligence

Game theory

Minimization methods

Minimisation

USE: Minimization

Minimisation methods

USE: Minimization methods

Minimization

UF: Minimisation BT: Mathematics RT: Optimization

NT: Minimization methods

Minimization methods

UF: Minimisation methods

BT: Minimization

RT: Approximation methods

Minimax techniques

Minimum analog-digital integrated

circuits

USE: Analog-digital

integrated circuits

Mining equipment

BT: Production equipment

RT: Mining industry

Mining industry

BT: Industries RT: Fracking

Fuel processing

industries

Geoengineering

Hyperspectral sensors Mining equipment

Raw materials

NT: Coal mining



Minmax techniques USE: Mission critical

USE: Minimax techniques systems

Mirrors Mixed analog digital integrated

BT: Optical devices circuits Mixed analog-digital RT: Optical materials USE:

> Optical reflection integrated circuits

Reflection

Distributed Bragg NT: Mixed analog-digital integrated reflectors circuits

Micromirrors UF: Mixed analog digital

integrated circuits MIS devices BT: Analog-digital

UF: Metal-insulatorintegrated circuits

semiconductor devices RT: Analog processing

Semiconductor devices BT: circuits

Metal-insulator RT: System-on-chip

Semiconductor-Mixed convection

insulator interfaces USE: Convection

Charge coupled devices NT:

MOS devices Mixed integer linear programming

UF: Mixed-integer linear

MISFETS programming BT: Field effect BT: Integer linear

transistors programming

RT: CMOSFET logic devices

Magnetic field induced Mixed reality strain USE: Virtual reality

MISO communication Mixed-integer linear programming

UF: multiple input single-USE: Mixed integer linear

output programming multiple-input single

output Mixers

multiple-input single-BT: Frequency conversion

RT: Demodulation output Modulation BT: Communication systems

MIMO communication Nonlinear circuits RT:

SIMO communication

Statistics

SISO communication Mixture models BT:

Missiles RT: Feature extraction

> UF: Torpedoes Image segmentation BT:

> Weapons Probabilistic logic RT: Aerospace control

Ground support MLE

USE: Maximum likelihood

Mission critical systems estimation

UF: Mission-critical

systems BT: Contingency management UF: Multilevel fast

multipole algorithm

Mission-critical systems Algorithms



structures

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MLFMA

communication

resonators

management

networks

communication

communication

communication

NT:

(telecommunication)

BT: Communication systems

Acoustic communication

Film bulk acoustic

Indoor communication
Long Term Evolution

Mobile applications

Radio communication

Time-varying channels

Routing protocols

Vehicular ad hoc

Ambient networks

Land mobile radio

Mobile learning

Mobile security

Software radio

Mobile nodes

Location awareness

Ultra-dense networks

Transceivers

3G mobile

4G mobile

5G mobile

Dual band

Mobile handsets Multiuser detection

Network resource

Near field

Block codes

UF: Monolithic microwave

integrated circuits

BT: Microwave integrated

circuits

MMICs

Monolithic integrated

circuits

RT: Analog integrated

circuits

MIMICs

Radiofrequency

integrated circuits

Mn

USE: Manganese

MNN

USE: Multi-layer neural

network

Mobile ad hoc networks

UF: MANET

Wireless ad hoc

network

BT: Ad hoc networks

Mobile agents

BT: Knowledge based

systems

RT: Computer applications

Distributed computing
Intelligent systems
Learning systems
Mobile computing

Software agents

Mobile antennas
BT: Antennas

Land mobile radio

equipment

RT: Land mobile radio

Mobile application development

USE: Application

programming interfaces

Mobile applications

Mobile communication

BT: Computer applications RT: Mobile communication

Mobile handsets

Wireless communication

Mobile computing

BT: Computers and

information processing

RT: Ad hoc networks

Bring your own device

Crowdsourcing

Data dissemination
Edge computing
Location awareness
Military computing
Mobile agents

Mobile agents
Mobile learning
Software defined

networking

Telecommunication

computing

NT: Wireless access points



Mobile device security

Mobile security USE:

BT: Robots

RT: Assembly systems

Mobile devices

Mobile handsets USE:

Control systems Humanoid robots Industrial control

Materials handling

Motion control

Service robots

Unmanned aerial

Telerobotics

Vehicles

Nonlinear systems

Mechanical variables

Manufacturing

Mobile handsets

UF: Mobile devices Mobile phones

BT: Telephone sets RT: Dual band

> Land mobile radio Long Term Evolution Mobile applications Mobile communication Personal communication

networks vehicles

> Tablet computers Transceivers UHF communication

NT: Smart phones

Mobile robots

automation

control

Vehicular automation

Wearable robots

Autonomous automobiles NT:

> Climbing robots Legged locomotion

Mobile learning

BT: Electronic learning

Mobile communication Distance learning

RT:

Mobile computing

Mobile security

UF: Mobile device security BT: Computer security

Mobile communication

Metalorganic vapor

Chemical vapor

Mobile Location management

USE: Location awareness

USE:

Mobile communication

Telecommunication

Mobile TV BT: TV

UF:

Mobile television

network management

BT:

Mobile nodes

Mobile office

Teleworking USE:

BT:

Mobile phones

Mobile handsets USE:

Mobile radio

BT: Mathematical analysis Land mobile radio RT: USE: Vibration measurement

MOCVD

deposition

deposition

Modal analysis

Mobile radio mobility management Mode matching methods

> USE: Location awareness BT: Mathematics

Numerical analysis

Mobile robot sensing systems Statistical analysis

Robot sensing systems RT: USE: Antenna theory

Matrices

Mobile robot vision systems Waveguide theory

USE: Robot vision systems



Model checking Context modeling

BT: System testing Data models RT:

Deformable models Algorithms Concurrent computing Digital elevation

Formal verification models

Static analysis **Emulation**

Graphical models Green's function Model driven engineering

UF: Model-driven methods

Software design

BT:

Model-driven development

Hidden Markov models engineering

> Input variables Integrated circuit

Model predictive control modeling

> USE: Predictive control Inverse problems Load modeling

Model reduction Metamodeling USF: Reduced order systems Numerical models Object oriented

Model-based reasoning modeling

> USE: Inference mechanisms Power system modeling

> > Process modeling Semiconductor device

Software development BT: modeling

management Semiconductor process

modeling

Model-driven engineering Signal representation

Model driven Simulation Solid modeling engineering

System identification Model-predictive control Systems modeling

USE: Predictive control

Modelling

Modeling USE: Modeling

UF: Modelling System modeling Modems

BT: Systems engineering UF: Modulator-demodulators

and theory BT: Communication

Computer graphics RT: equipment

> Data visualization Computer peripherals

Digital simulation RT: Data communication Haptic interfaces Demodulation

Monte Carlo methods Modulation Numerical simulation

Petri nets Moderate resolution imaging

Plasma simulation spectroradiometer

Power system analysis USF: MODTS computing

Systems Modeling Moderate-resolution Imaging

Spectroradiometer Language MODIS

Atmospheric modeling

Time series analysis USE: NT: Analytical models

Brain modeling BT: FET circuits

Computational modeling RT: MODFETs



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MODFET circuits

Rail to rail Modulators

amplifiers

BT: Communications technology

Rail to rail operation NT: MODFET integrated

Signal processing circuits Direct sequence spread RT:

spectrum communication

MODFET integrated circuits BT: MODFET circuits

RT: MODFETS IEEE 802.11g Standard IEEE 802.11n Standard

MODFETS UF: Heterostructure FETs techniques

SDHTs

Selectively doped

heterojunction transistors

TEGFETS

Two-dimensional

electron gas FETs

Field effect BT:

transistors

RT: HEMTs

> MODFET circuits MODFET integrated

circuits

MODIS

UF: Moderate resolution

imaging spectroradiometer

Moderate-resolution

Imaging Spectroradiometer

BT: Payloads

Spectroradiometers

Modular construction

BT: Construction RT: Buildings

Prefabricated

construction

Modular multi-level converters

USF: Modular multilevel

converters AND

Voltage-source

converters

Modular multilevel converters

Modular multi-level UF:

converters

RT.

Converters

Modulation

UF: Modulation format

Modulation index

Modulation-coding

Encoding

IEEE 802.11 Standard

Linearization

Mixers

Modems OFDM

Phase locked loops Tracking loops Transmitters

NT: Amplitude modulation

> Chirp modulation Demodulation Digital modulation Frequency modulation

Magnetic modulators Modulation coding Optical modulation Phase modulation Pulse modulation

Pulse width modulation

Modulation coding

BT: Modulation RT: Encoding

Information theory NT: Interleaved codes

Modulation format

USE: Modulation

Modulation index

USE: Modulation

Modulation-coding

USE: Modulation

Modulator-demodulators USE:

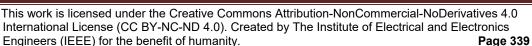
Modulators

USE: Modulation

Modems

Modules (abstract algebra)

Abstract algebra



Moisture UF: Biological

> BT: Geophysics macromolecules

Moisture control Biomolecules RT: Moisture measurement BT: Biophysics

Trees - insulation RT:

Moisture control

BT: Control systems

RT: Moisture

NT: Humidity control

Moisture measurement

BT: Measurement

RT: Moisture

Soil measurements

NT: Humidity measurement

Molding equipment

UF: Moulding equipment BT: Production equipment

Molecular beam applications

BT: Molecular beams

Light emitting diodes RT:

Semiconductor devices Semiconductor lasers

Molecular beam epitaxial growth

Epitaxial growth BT:

Crystals RT:

Gallium

Thin films

Molecular beams

BT: **Beams**

RT: Epitaxial growth

Thin films

Molecular beam NT:

applications

Molecular biology

BT: Biological processes

NT: Biochips

Molecular biomarkers

BT: Biomarkers

RT: Drugs

NT: Genomics

Glycomics

Lipidomics

Metabolomics

Proteomics

Biochemistry

Biomedical equipment Biomedical imaging Biomedical materials Cellular biophysics

Genetic engineering

Genetics

Microorganisms

Molecular clones

USE: Cloning

Molecular communication

BT: Biological systems

Communication systems

RT: Nanocommunication

(telecommunication)

Molecular computing

BT: Computers and

information processing

Nanotechnology DNA computing

Molecular electronics

RT:

UF: Biomolecular

electronics

Nanotechnology BT: RT: Graphene devices

Nanoelectronics

Organic light emitting

diodes

Molecular imaging

BT: Biomedical imaging

Molecular sieves

BT: Chemical processes

RT: Adsorption

Molybdenum

BT: Chemical elements

MoM

USE: Method of moments

Moment methods

USE: Method of moments

Molecular biophysics



Monte Carlo Money management

> USE: Financial management simulations

> > Monte-Carlo methods

Statistical analysis

Simulated annealing

Computational

Monte-Carlo

simulations

BT:

RT:

electromagnetics

Monitoring

BT: Instrumentation and

measurement

RT: Alarm systems

Maintenance

engineering

Power system

management

Computerized

monitoring

Environmental

monitoring

Patient monitoring Radiation monitoring Remote monitoring

Surveillance

Monolithic integrated circuits

UF: Monolithic integration

BT: Circuits

Integrated circuits

NT: **MIMICs**

MMICs

Monolithic integration

Monolithic integrated USE:

circuits

Monolithic microwave integrated

circuits

USE: MMICs

Monopoly

BT: Economics

RT: Microeconomics

MONOS devices

UF: Metal-oxide-nitride-

oxide-semiconductors

Metal-oxide-nitride-

oxide-silicon

Monsoons

Semiconductor devices BT:

BT: Meteorology RT: Rain

Storms

Monte Carlo methods

UF: Importance sampling Monte Carlo simulations

Modeling Probability

Simulation

USE: Monte Carlo methods

Monte-Carlo methods

USE: Monte Carlo methods

Monte-Carlo simulations

USE: Monte Carlo methods

Mood

BT: Psychology

Moon

UF: Lunar

BT: Satellites

Moore's Law

BT: Integrated circuit

technology

Morals

Mopeds

USE:

USE: Motorcycles

Morphological operations

BT: Image processing

Ethics

RT: Topology

Morphology

BT: Natural language

processing

BT: Building materials

Chemical products

Construction industry

Mortgages

RT:

USE:

Loans and mortgages



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Mortar

Rail to rail

MOS capacitors amplifiers

> BT: MOS devices Rail to rail operation RT: Capacitors

Threshold voltage

NT: CMOSFET circuits MOS devices

MOS integrated

Metal-oxide UF: circuits

Power MOSFET

Metal-oxidesemiconductor devices

semiconductors

MOSHFETS BT: MIS devices UF: Metal oxide

RT: Semiconductorsemiconductor heterojunction FETs

insulator interfaces BT:

Field effect MOS capacitors transistors NT:

MOSFET

Motion analysis Negative bias BT:

temperature instability Robot kinematics NT: Active contours MOS integrated circuits Motion segmentation

BT: MOSFET circuits Robot localization RT: Metal-insulator

Motion artifacts structures

BT: Biomedical image

MOS transistors processing USE: Video signal MOSFET

processing

MOSFET UF: MOS transistors Motion compensation

nMOSFETs BT: Control systems **pMOSFETs** RT: Image communication

Field effect BT:

transistors Motion control

MOS devices BT: Mechanical variables

RT: CMOS technology control

CMOSFET logic devices RT: Aerospace control

Gate drivers Legged locomotion **TFETS** Manipulators NT: Mobile robots CMOSFETs

Motor coordination FinFETs Interface states Servosystems

Junctionless nanowire Structure from motion

Trajectory

transistors Trajectory tracking

MOSFET circuits Velocity control Metal-oxide Collision avoidance UF: NT:

semiconductor field effect transistor Collision mitigation Circuits

Kinetic theory FET circuits Motion planning RT: Active inductors Path planning

Linearization Visual servoing techniques

Operational amplifiers Motion detection

Power dissipation BT: Signal detection RT: Corner detection



BT:

Motion estimation

BT: Parameter estimation

RT: Object tracking

Motion measurement

Mechanical variables BT:

measurement

RT: Doppler measurement

Gaze tracking

Velocity measurement

NT: Tracking

Tribology

Motion pictures

UF: Cinema

Films (Motion

pictures)

Movies

BT: Broadcasting

RT: Cameras

Cinematography

Entertainment industry

Imaging

Optical projectors

Motion planning

BT: Motion control RT: Navigation

Robot control

Motion segmentation

BT: Motion analysis

Motor control

USE:

Motor drives

Motor coordination

Kinematics BT:

RT: Motion control

Motor drives

UF: Motor control

BT: Drives

Industrial control RT:

Mechanical variables

control

Motors

Sensorless control

Servosystems

Torque control

Variable speed drives

Velocity control Voltage control

Motorbikes

USE: Motorcycles

Motorcycles

Mopeds

Motorbikes Scooters

BT: Road vehicles

Motors

BT: Energy conversion

Machinery

RT: Coils

Motor drives

Sensorless control

NT: AC motors

> Brushless motors Commutation

DC motors

Electric motors Hysteresis motors Induction motors Micromotors Permanent magnet

motors

Mouse

Servomotors Traction motors

Universal motors

Moulding equipment

USE: Molding equipment

USE:

Mice

Mouth

BT: Digestive system

RT: Stomatognathic system

NT: Teeth

Movies

USE: Motion pictures

Moving object databases

Visual databases USE:

Moving picture experts group

USE: MPEG standards

Moving Pictures Experts Group

BT: IEC

IS0



NT: MPEG 1 Standard MP3

MPEG 2 Standard MPEG 4 Standard MPEG 7 Standard

AND

MPEG4

MPEG7

MPLS

switching

trackers

MPFG

Transform coding

Portable media players

Digital audio players

USF:

MPEG 4 Standard

MPEG 1 Standard

USE:

USE:

BT: MPEG standards USE:

MPEG 7 Standard

MPEG 2 Standard

BT: MPEG standards USE:

Multiprotocol label

MPEG 4 Standard

UF: MPEG4 **MPPT**

USE: Maximum power point

BT: MPEG standards RT: Digital multimedia

MRI

MRP

broadcasting

High efficiency video

imaging

Magnetic resonance

coding

Streaming media

Vector quantization

USE:

USE:

Materials requirements

Video codecs Video coding

Video signal

Mud

planning

Sediments USE:

MPEG 7 Standard

processing

UF: MPEG7 Mufflers

USE: Exhaust systems

BT: MPEG standards RT: Audio coding

Content management

Multi modal integration

Digital multimedia

USE: Multisensory

integration

Multimedia

Multi sensory integration

Multimedia systems

Multisensory USE:

integration

MPEG standards

broadcasting

communication

UF: Moving picture experts Multi stage noise shaping

group

BT:

USE: Multi-stage noise

IEC Standards shaping

ISO Standards

Multi-agent models

broadcasting

RT:

Digital multimedia

USE: Multi-agent systems

Image coding

Streaming media

Multi-agent systems

Transform coding Video codecs

UF: Multi-agent models Multiagent models

Video coding Video signal

Multiagent systems BT: Adaptive systems

processing

Agent-based modeling RT:



Autonomous vehicles

System analysis and

design

Vehicular automation

NT: Collaborative

intelligence

Multi-carrier code division multiple

access

Multicarrier code USE:

division multiple access

Multi-casting

USE: Multicast

communication

Multi-core processing

Multicore processing

Multi-core processors

USE: Multicore processing

Multi-factor authentication

Access control BT:

Authentication

Multi-hop

USE: Spread spectrum

communication

Multi-layer neural network

UF:

BT: Neural networks

Multi-modal sensors

USE: Multimodal sensors

Multi-objective programming

USE: Pareto optimization

Multi-resolution

Multiresolution USE:

analysis

Multi-robot systems

UF: Multirobot systems

Robotics and BT:

automation

NT: Swarm robotics

Multi-stage noise shaping

UF: MASH

Multi stage noise

Multistage noise

shaping

BT: Noise shaping

Multi-threaded comput*

Multithreading USE:

Multi-threaded systems

USE: Program processors

Multi-threading systems

USE: Program processors

Multi-user detection

Multiuser detection USE:

Multi-vibrators

USE: Multivibrators

Multiaccess communication

UF: CDMA

CSMA

Carrier sense

multiaccess

Code division

multiaccess

Code division multiple

access

Code-division multiple

access

Code-division

multiple-access

Multiaccess systems

Random access

communication

BT: Communication systems

RT: 3G mobile

communication

Delay estimation Multiplexing

OFDM

Telecommunications Viterbi algorithm

NT: Direct-sequence code-

division multiple access

Frequency division

multiaccess

Multicarrier code

division multiple access

Subscriber loops

Time division multiple

access

shaping



Time division

 $\ \ \, \text{synchronous code division multiple}$

access

Zero correlation zone

Multiaccess systems

USE: Multiaccess

communication

Multiagent models

USE: Multi-agent systems

Multiagent systems

USE: Multi-agent systems

Multiattrubute optimization

USE: Pareto optimization

Multicarrier code division multiple

access

UF: MC-CDMA

MCCDMA

Multi-carrier code

division multiple access

BT: Multiaccess

communication

RT: Code division

multiplexing

Communication channels

OFDM Protocols

Spread spectrum

communication

Telecommunications

Time division

synchronous code division multiple

access

Multicast algorithms

BT: Algorithms

Multicast communication

UF: Multi-casting

Multicasting

BT: Communication systems
RT: Ad hoc networks

T: Ad hoc networks
Multicast protocols

Optical wavelength

operedi wave

conversion

Routing

 ${\it Telecommunications}$

Wavelength division

multiplexing

NT: Multicast VPN

Multicast protocols

BT: Protocols RT: Internet

Multicast

communication

Routing protocols

Multicast VPN

BT: Multicast

communication

Multicasting

USE: Multicast

communication

Multichip modules

BT: Integrated circuit

packaging

Packaging

Multiconductor transmission lines

BT: Transmission lines
RT: Coupled mode analysis

Multicore

USE: Multicore processing

Multicore processing

UF: Multi-core processing

Multi-core processors

Multicore

BT: Parallel architectures

NT: Embedded multicore

processing

Manycore processors

Multidimensional signal processing

BT: Signal processing RT: Image processing

NT: Video signal

processing

Multidimensional systems

BT: Systems engineering

and theory

Multifilamentary superconductors

BT: Superconducting

materials

Multifrequency antennas

BT: Antennas



Multigrid methods Multimedia

> BT: Numerical analysis communication

Multihop

USE:

Spread spectrum

communication

Multilayer perceptrons BT: Feedforward neural

networks

Multilayers

Nonhomogeneous media USE:

Multileaf collimators

Collimators USE:

Multilevel fast multipole algorithm

USE: MLFMA

Multilevel systems

BT: Hierarchical systems

Multilinear systems

Nonlinear systems USE:

Multimedia communication

BT: Communication systems

Multimedia systems

RT: B-TSDN

Broadband

communication

Diffserv networks

Digital multimedia

broadcasting

Huffman coding

IEEE 802.16 Standard

TSDN

Intserv networks MPEG 7 Standard

Multimedia computing

Streaming media

Transcoding

Multimedia computing

BT: Multimedia systems

RT: Audio user interfaces

Collaborative work Computer graphics

Computers and

information processing

Content management Information systems

Multimedia databases

Video sequences

Multimedia databases

BT: Database systems

Databases

Multimedia systems RT: Audio databases

Huffman coding

Multimedia computing

Multimedia products

USE: Videos

Multimedia systems

BT: Consumer electronics RT: Authoring systems

Electronic publishing

Huffman coding MPEG 7 Standard

Multimedia NT:

communication

Multimedia computing

Multimedia databases

Multimodal integration

USE: Multisensory

integration

Multimodal sensing

USF: Multimodal sensors

Multimodal sensors

UF: Multi-modal sensors

Multimodal sensing

BT: Sensors

Sensor fusion RT:

Multiobjective programming

Pareto optimization USE:

multiobjective programming

Pareto optimization USE:

Multipath channels

BT: Communication channels RT: Channel estimation

Diversity methods Fading channels MIMO communication Meteorological factors

Multiuser detection



Radio propagation NT: Code division Terrain factors multiplexing

Ultra wideband multiplexin

Demultiplexing Frequency division

Wavelength division

communication

Multiple access interference

BT: OFDM

Multiplexing equipment

OFDM Time division

Multiple antenna systems multiplexing

USE: MIMO communication

multiplexing

multiplexing

Multiple input multiple output

USE: MIMO communication

Multiple input multiple output systems

USE: MIMO communication

multiple input single-output

USE: MISO communication

Multiple sclerosis

BT: Diseases

Multiple signal classification

UF: MUSIC

BT: Noise measurement

Multiple-input multiple-output

USE: MIMO communication

Multiple-input multiple-output systems

USE: MIMO communication

multiple-input single output

USE: MISO communication

multiple-input single-output

USE: MISO communication

Multiple-input-multiple-output

USE: MIMO communication

Multiplexed

USE: Multiplexing

Multiplexing

UF: Multiplexed BT: Communications

technology

RT: Arrayed waveguide

gratings

Multiaccess

communication

Multiplexing equipment

BT: Multiplexing RT: Communication

equipment

NT: Add-drop multiplexers

Multiplying circuits

BT: Circuits

RT: Digital integrated

circuits

Logic circuits

Multiprocessing systems

BT: Parallel processing
RT: Computer networks
Computers and

Compacer's and

information processing

NT:

Concurrency control
Distributed computing
Parallel languages
Parallel programming
Pipeline processing
Data flow computing

Processor scheduling

Systolic arrays

Multiprocessor interconnection

UF: Interconnection

networks

Parallel processor

interconnection

BT: Computer architecture RT: Computer networks

Data communication Local area networks Metropolitan area

networks

Wide area networks

NT: Hypercubes

Multiprocessor interconnection networks

BT: Computer networks



Multitasking

BT: Computers and

information processing

Multithreaded systems

USF:

NT: Parametric study

Multiprotocol label switching

Multiprocessor scheduling

USE:

UF: Label swapping

MPLS

BT: Communication

switching

Packet switching

Processor scheduling

Protocols

RT: Asynchronous transfer

mode

Internet

Routing protocols

ting moderals UCF. Multi

Routing protocors

Multiresolution analysis

UF: Multi-resolution
BT: Wavelet analysis

Multirobot systems

USE: Multi-robot systems

Multisensor systems

BT: Sensor fusion

RT: Robot sensing systems

Multisensory integration

UF: Multi modal

integration

Multi sensory

integration

Multimodal integration

BT: Sense organs

Multiskilling

UF: Job rotation
BT: Human resource

management

RT: Industrial training

Job specification Vocational training

Multispectral imaging

BT: Imaging

Multistage noise shaping

USE: Multi-stage noise

shaping

Multistatic radar

BT: Radar

NT: MIMO radar

Multithreading comput*

Program processors

BT: Parallel processing

Multithreading comput*

USE: Multithreading

Multithreading systems

USE: Program processors

Multiuser channels

BT: Communication channels

Multiuser detection

UF: Multi-user detection
BT: Signal detection
RT: Land mobile radio

Land mobile radio

cellular systems

Mobile communication Multipath channels Spread spectrum

communication

Multivalued logic

UF: Many valued logic Ternary logic

BT: Logic

RT: Logic functions

Multivariable systems

USE: MIMO communication

Multivariate regression

BT: Regression analysis

Multivibrators

UF: Multi-vibrators
BT: Electronic circuits

Multiwave mixing

BT: Optical mixing

Munitions

USE: Weapons



USE: Music

Musical instrument digital interfaces

MDDI

Music

Computer interfaces

Digital communication

Financial management

Nerve fibers

Myocardium

Myocardial

Vision defects

Social network

Video sharing

Web sites

Muscles

Axons

Muon colliders

Muon sources

USE:

USE:

NT:

UF: Muon sources

BT: Colliding beam devices

RT: Luminescence

Luminescent devices

Storage rings

Mutual conductance

UF:

BT:

RT:

Muon colliders USE: Transconductance

Muons Mutual coupling

> BT: Electromagnetic

> > BT:

BT:

RT:

USE:

UF: BT:

USE:

BT:

coupling

Mutual funds

Muscles

BT: Musculoskeletal system

NT: Myocardium

Mesons

Neuromuscular

Mutual information

Musculoskeletal system UF: Transinformation BT: BT: Information theory Anatomy

Myelin

Myocardium

Myopia

MySpace

services

Fascia Ligaments Muscles Skeleton

Cartilage

Tendons

Myocardial

USF: Multiple signal

classification

UF: Computer music

Musical

BT: Acoustics RT: Audio systems

White noise

Computer generated NT:

music

MUSIC

Music

Electronic music Musical instrument

digital interfaces

Rhythm

Timbre

NACE International UF: National Association

of Corrosion Engineers

Standards

organizations

Music information retrieval

BT: Information retrieval

RT: Cepstral analysis **NACE Standards**

BT: Standards publications

Music recommendation

USE: Recommender systems Nails

BT: Integumentary system

Musical



Nakagami distribution BT: Nanoscale devices

> BT: Probability RT: Enhanced

distribution magnetoresistance

Magnetoresistance

Nanoelectronics USE: Flash memories

Nanowires

Nano communication Nanocrystal

> USE: Nanocommunication USE: Nanocrystals

(telecommunication)

NAND flash

Nano devices UF: Nanocrystal

Nanoscale devices BT: Crystalline materials USE:

Nanoparticles

Junctionless nanowire

Filtration

RT: Quantum dots Nano generators Colloidal nanocrystals USE: Nanogenerators NT:

Nano ribbons Nanodevices

Nanoscale devices USE: Nanoribbons USE:

Nanoactuators Nanoelectromechanical systems

> USE: Actuators AND UF: NEMS

> > Nanoelectronics BT: Nanotechnology

Microelectromechanical RT:

Nanobioscience systems BT:

Biology Nanotechnology Nanoelectronics

RT: Colloidal lithography UF: Nanoactuators

Nanofluidics BT: Nanotechnology Graphene devices NT: DNA computing RT:

> Nanobiotechnology Molecular electronics

Nanocrystals

Nanocontacts

Nanobiotechnology NT:

BT: Nanobioscience transistors

RT: Nanomedicine

Nanofabrication

Nanocommunication (telecommunication) BT: Nanotechnology UF: Nano communication

> Communication systems Nanofiltration BT:

> > Nanotechnology USE:

RT: Biomedical **Nanofluidics** communication

Nanofluids Molecular UF:

communication BT: Fluidics Wireless networks

Nanotechnology Wireless sensor Nanobioscience RT:

networks

Nanofluids

Nanofluidics Nanocomposites USE: BT: Nanostructured

materials Nanogenerators

Nano generators RT: Metamaterials UF: BT: Energy harvesting **Nanocontacts** RT: Electric generators



Low-power electronics

Micromechanical

devices

Nanowires

Piezoelectric devices

Triboelectricity

Nanolithography

Vibrations

Nanoporous materials

USE:

BT:

BT: Nanostructured

materials

Nanopositioning

BT: Nanotechnology

Position control

Nanoparticles

Nanotechnology

Photonics

Nanolithography

Nanoimprint lithography

USE:

RT:

BT:

RT:

UF: Nanoimprint

lithography

BT: Lithography

Nanotechnology Nanopatterning

Soft lithography

Nanoribbons

Nanopowders

UF: Nano ribbons BT: Nanostructures

Nanosatellites

USE: Small satellites

Nanomaterials

BT: Nanotechnology

Nanoscale devices

UF: Nano devices

Nanodevices Nanotechnology

BT: Nanotechnology RT: Single electron

devices

NT: Nanocontacts

Nanotube devices

Nanomedicine

Medical diagnosis Cellular biophysics

Biomedical monitoring

Mechanobiology

Nanobiotechnology Nanoparticles

Nanometers

UF: Millimicron

Nanometres

BT: Measurement units

Nanosensors

BT: Nanotechnology

Sensors

RT: Biomedical equipment

Nanoparticles Nanostructures

Nanometres

Nanoparticles

UF:

BT:

RT:

BT:

RT:

NT:

USE: Nanometers

Nanostructured materials

UF: Core-shelf

nanostructures

BT: Materials

Nanotechnology

NT: Nanocomposites

Nanoporous materials

Semiconductor

NT: Magnetic nanoparticles

Nanostructures

Nanomedicine

Nanosensors

Nanocrystals

Nanopowders

Nanostructures

Nanopatterning BT: Nanotechnology

Nanotechnology RT: Nanosensors
Nanolithography NT: Nanoparticles
Nanotopography Nanoribbons

Nanotopography Nanoribbons
Soft lithography Nanotubes
Colloidal lithography Nanowires

Nanophotonics nanostructures



NT: Carbon nanotubes

Semiconductor

ANSI Standards

Atomic force RT:

microscopy

Nanotechnology

Epitaxial growth

Nanowires Fluidics BT: Nanostructures

Lithography RT: Junctionless nanowire

nanotubes

Microfabrication transistors

Nanotube devices Nanocontacts Power dissipation Nanogenerators Quantum mechanics Wires

Semiconductor device

manufacture Narrowband

> Single electron BT: Bandwidth

devices Communication systems RT: Wideband

Very large scale

integration

systems

Bionanotechnology NASA NT: Casimir effect UF: National Aeronautics &

Molecular computing Space Administration Molecular electronics National Aeronautics

and Space Administration Nanobioscience

Nanocommunication BT: US Government agencies

Space exploration (telecommunication) RT: Nanoelectromechanical Space missions

> Space technology Nanoelectronics

Nanofabrication Nash equilibrium

Nanofluidics BT: Game theory

Nanolithography

Nanomaterials National Aeronautics & Space

Nanopatterning **Administration** USE:

Nanophotonics NASA Nanopositioning

Nanoscale devices National Aeronautics and Space

Nanosensors **Administration**

Nanostructured USE:

NASA materials

> Nanostructures National Association of Corrosion

Self-assembly Engineers

Self-replicating USE: NACE International

machines National Bureau of Standards

Nanotopography USE: NIST

Surface topography BT:

Colloidal lithography National Electric Code RT:

UF: Nanopatterning National electric

safety code Nanotube devices BT:

> BT: Nanoscale devices

RT: National electric safety code Nanotechnology

USE: National Electric Code **Nanotubes**

BT: Nanostructures National Fire Protection Agency

USE: **NFPA** Natural Language

USE: Natural languages

National Fire Protection Association USE: NFPA

UF:

National Institute of Standards &

Technology

USE: NIST

National Institute of Standards and

Technology

USF: NIST

National security

BT: Terrorism RT: Control system

security

Cyber warfare

National Society Agreement awards

IEEE Awards activities

National Telecommunications and

Information Administration

USE: NTIA

National vocational qualification

USE: Vocational training

Natural fibers

UF: Natural fibres

BT: Textile fibers

RT: Cotton

Wool

NT: Bamboo

Natural fibres

Natural fibers USE:

Natural gas

BT: Fossil fuels RT: Energy resources

Fracking

Gases

Natural gas industry

Liquefied natural gas NT:

Methane

Natural gas industry

BT: Industries RT: Natural gas

Petroleum industry

Pipelines

Natural language processing

NLP

BT: Natural languages

RT: Phonetics

Pragmatics Semantic search

Semantic technology

Semantics Semiotics Syntactics

NT: Morphology

Sentiment analysis

Tokenization

Natural languages

UF: Natural language

Natural speech

BT: Systems, man, and

cybernetics

Artificial RT:

intelligence

Computer languages

Linguistics NT:

Natural language

processing

Natural response

USE: Transient response

Natural speech

USE: Natural languages

Navier-Stokes equations

BT: Differential equations

Fluid dynamics

Finite volume methods RT:

Viscosity

Navigation

UF: Direction-finding

Geomagnetic navigation

Intelligent BT:

transportation systems

Vehicular and wireless

technologies

RT: Compass

> Ground support Location awareness Motion planning Position measurement

Sensor systems



NT: Aircraft navigation Nearest neighbour

> Course correction methods

k neighbor methods Dead reckoning Indoor navigation k neighbour methods Inertial navigation BT: Learning (artificial

intelligence) Marine navigation

Radio navigation Nonparametric

Satellite navigation statistics

systems

Pattern recognition

Sonar navigation RT: Data mining Pattern classification

Pattern clustering USE: Niobium Regression analysis Search methods

Nb3Sn Statistical analysis USE: Niobium-tin

Nearest neighbor searches

NBS USE: Nearest neighbor

USE: **NIST** methods

NBTI Nearest neighbour methods

USE: Negative bias USE: Nearest neighbor

temperature instability methods

NC machines Neck

BT: USE: Computer numerical Body regions

control

Nb

Mechanical products Nd BT:

USF: Biomedical equipment Neodymium RT: Textile machinery

Needles

Near field communication

UF: NFC Negative bias temperature instability BT:

Communication UF: **NBTI** BT: MOS devices

Radio communication

RT: Magnetic communication Negative feedback NT: Mobile communication BT: Feedback

Near field radiation pattern Negative feedback amplifier

USE: Near-field radiation USE: Feedback amplifiers

pattern

standards

Negative feedback loops

Near-field radiation pattern BT: Feedback loop

pattern

UF: Near field radiation

NFMS

Nanoelectromechanical BT: Antenna radiation USE:

patterns systems

Nearest neighbor methods Neodymium UF: K-NN methods UF:

Nd Nearest neighbor BT: Metals

searches NT: Neodymium alloys Neodymium compounds



Neuromuscular Neodymium alloys stimulation

BT: Neodymium

Neuropathology RT: Alloying NT: Autonomic nervous

system

Neodymium compounds Brain

> BT: Neodymium Brain mapping

Central nervous system

Cranial

Neurons

Nerve endings

Nerve tissues

Neural pathways Neuroanatomy

Neuroradiology Neuroscience

Pituitary gland

Spinal cord

Spine

Synapses

Peripheral nervous

Chemical elements Ganglia Glial cells

Neonatology

BT:

Neon

Medical specialties BT:

RT: Pediatrics

Neoplasia

USE: Neoplasms

Neoplasms

UF: Neoplasia system

BT: Biological tissues Breast neoplasms NT:

Liver neoplasms Lung neoplasms Skin neoplasms

Net neutrality

Nephrolithiasis USE: Network neutrality

USE: Kidney stones

Network address translation

Neptunium BT: Computer network

BT: Chemical elements management

Nerve cells Network analyzers

> Neurons BT: **Instruments** USE:

Network architecture Nerve endings

> BT: Nervous system BT: Network topology

> > Telecommunication

Nerve fibers network management

> BT: Neurons NT: Network function

NT: Axons virtualization

> Myelin Network slicing

Nerve tissues Network coding

> BT: BT: Nervous system Information theory

RT: Network security

Nervous system

Network control systems BT: Anatomy

RT: Bioelectric phenomena Networked control USE:

> Computational systems

neuroscience

Neural networks Network function virtualization

Neurological diseases UF:

Neurology BT: Computer networks



Network architecture

RT: Application

virtualization

Cloud computing
Intrusion detection

Servers

Software defined

networking

Network interfaces

BT: Interface phenomena RT: Interface management

Network location awareness

BT: Location awareness

Network neutrality

UF: Internet neutrality

Net neutrality

BT: Telecommunication

network management

Network of workstations

USE: Cluster computing

Network operating systems

BT: Operating systems RT: Software defined

networking

NT: Autonomic systems

Network resource management

UF: Dynamic service

delivery

BT: Resource management

Telecommunication

network management

RT: Land mobile radio

cellular systems

Mobile communication

Network security

BT: Computer networks

Security

RT: Communication networks

Network coding

Network servers

BT: Computer networks

Network slicing

BT: Network architecture

RT: Augmented reality

Network synthesis

BT: Computer network

management

Network theory (graphs)

BT: Computer science

Mathematics Physics

Network throughput

USE: Throughput

Network topology

BT: Communications

technology

RT: Overlay networks

Telecommunication

network topology

NT: Complex networks

Computer network

reliability

Network architecture

Network traffic

USE: Telecommunication

traffic

Network-on-a-chip

USE: Network-on-chip

Network-on-chip

UF: Network-on-a-chip
BT: System-on-chip

Networked control systems

UF: Network control

systems

BT: Control systems

RT: Real-time systems

Neural activity

UF: Neural oscillation

BT: Brain

Neural chips

USE: Neural network

hardware

Neural engineering

UF: Neuro engineering

Neuroengineering

BT: Biomedical engineering

RT: Brain-computer

interfaces



Intracranial pressure Cellular neural

sensors

Feedforward neural NT: Neural microtechnology

> Neural nanotechnology networks

Neural prosthesis Multi-layer neural

networks

network Neural implants

Neural network

UF: Brain implants hardware

BT: Brain Radial basis function

Implants networks

Recurrent neural

Neural microtechnology networks Neural engineering BT:

Neural oscillation

Neural nanotechnology USE: Neural activity Neural engineering BT:

Neural pathways

Neural nets BT: Nervous system USE: Neural networks

Neural prostheses

Neural network hardware USE: Prosthetics

Neural prosthesis BT: Neural networks

Neural engineering RT: Analog integrated BT:

circuits Integrated circuits **Neurites**

Neural chips

Neurocontrollers UF: Neuronal process

BT: Neurons

UF: Neural nets Neuro engineering

> Wavelet neural USE: Neural engineering

networks BT: Computational and Neuro fuzzy networks

artificial intelligence USE: Fuzzy neural networks

RT: Adaptive systems

Artificial Neuro imaging

intelligence USE: Neuroimaging

Associative memory

Backpropagation Neuro transmitters Neurotransmitters

Bio-inspired computing USE:

Cybernetics

Dynamic programming Neuro-feedback Generative adversarial Neurofeedback USE:

networks

Neuro-fuzzy networks Nervous system

Neurophysiology USF: Fuzzy neural networks Nonlinear dynamical

systems Neuro-imaging

Pattern classification USE: Neuroimaging

Systems neuroscience

Artificial neural Neuro-transmitters networks USE: Neurotransmitters

Biological neural

networks Neuroanatomy



NT:

UF:

Neural networks

BT: Anatomy Neurology

Nervous system BT: Medical specialties RT: Nervous system

Synapses

Neurocontrollers

BT: Intelligent control Neuromodulation

Artificial RT: BT: Neurons

intelligence Physiology Microcontrollers Control systems RT: Neural network NT: Neurostimulation

hardware

Neuromorphic engineering

Neurodynamics BT: Neuromorphics BT: Brain RT: Artificial neural

> RT: Neurophysiology networks

Neuroengineering **Neuromorphics** USE: Neural engineering

BT: Very large scale

Neurofeedback integration

UF: Neuro-feedback RT: Analog circuits BT: Feedback NT: Neuromorphic

engineering

Neuroglia Glial cells Neuromuscular USE:

BT: Muscles

Neuroimaging

UF: Neuro imaging Neuromuscular stimulation

Neuro-imaging UF: Functional electrical

Biomedical image BT: stimulation

Medical treatment processing BT: Brain mapping RT: Nervous system

Neuroradiology RT:

NT: Functional Neuronal networks

neuroimaging USE: Biological neural

networks

Neuroinformatics BT: Bioinformatics Neuronal process

> Informatics USE: Neurites

Neuroscience

RT: Analytical models Neurone

Big Data

USE: Neurons Computational modeling

Data science Neurons

Nerve cells **Synapses** UF:

Neurone

Neurological diseases BT: Nervous system

UF: Neurological disorders Action potentials RT: BT:

Diseases Membrane potentials

Nervous system Synapses

Spinal cord injury NT: Dendrites (neurons)

Nerve fibers Neurological disorders Neurites

> USE: Neurological diseases Neuromodulation **Photoreceptors**



RT:

Transcranial direct Soma NT:

current stimulation

Neurotechnology

BT:

Neurotransmission

Neurotransmitters

UF:

BT:

RT:

USE:

USE:

Brain

Technology

Neurotransmitters

Neuro transmitters

Neuro-transmitters

Neurotransmission

Neutrino sources

Neutrino sources

Particle beams

BNCT

Dosimetry

Transmitters

Synapses

Synaptic transmission

Radioactive materials

Boron neutron capture

Biological effects of

Medical treatment

Radiation effects

Neuropathic pain Transcranial magnetic

BT: Pain stimulation

Neuropathology Neurosurgery

> BT: Pathology BT: Surgery

RT: Nervous system

Neurophysiology

BT: Brain

RT: Biomedical signal

processing Microelectrodes

Neural networks

Neurodynamics Science - general

NT: Biological neural

networks

Neuroplasticity

Neuroplasticity

UF: Brain plasticity

Cortical plasticity

BT: Neurophysiology

Neutrino sources Neuropsychology

> BT: Brain UF: Neutrino

Psychology Neutrinos BT: Elementary particles

Neutrino

Neutron beams

therapy

radiation

USE:

UF:

BT:

RT:

BT:

Neutron radiation effects

Neutron capture therapy

Neuroradiology RT: BT: Nervous system

> Neutrinos Radiology USE:

RT: Electromagnetics

Neuroimaging

Neuroscience

BT: Nervous system

Science - general

Clinical neuroscience NT:

Cognitive neuroscience

Computational

neuroscience

Neuroinformatics

Systems neuroscience

Transcranial direct

current stimulation

stimulation

Transcranial magnetic

Neurostimulation Neutron scattering

> BT: Neuromodulation USE: Neutron spin echo

RT: Microelectrodes

Neutron spin echo



UF: Neutron scattering Next generation

BT: Spectroscopy networks

Next-generation

Neutrons networks

BT: Elementary particles BT: Computer networks

RT: Cosmic rays RT: 3G mobile

New media age

5G mobile

Newborns communication

USE: Pediatrics

Internet

Newton Fourier method

USE: Newton method

Packet switching
Pervasive computing

Quality of service
Newton method Telecommunications

UF: Newton Fourier method

Newton Raphson method

Next generation networks

Newton's method USE: Next generation

IP networks

Page 361

Newton-Fourier method networking

Newton-Raphson method
Newtons method
Next-generation networks

BT: Numerical analysis USE: Next generation

RT: Optimization methods networking Poles and zeros

NFB

Newton Raphson method USE: Feedback amplifiers

NFC

Newton method

USE:

Newton's method USE: Near field

USE: Newton method communication

Newton-Fourier method NFPA

USE: Newton method UF: National Fire

Protection Agency

Newton-Raphson method

USE: Newton method Protection Association

BT: Standards

Newtons method organizations

USE: Newton method

NFV

Next generation network architecture USE: Network function

USE: Next generation virtualization

networking

Next generation networking USE: Next generation

UF: 21CN networking

21st century networks

NGN NGNA

NGNA USE: Next generation

Νi

NGN

Next generation networking

network architecture

Engineers (IEEE) for the benefit of humanity.

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USE: Nickel National Institute of

Standards & Technology

Nickel National Institute of

UF: Νi Standards and Technology BT: Metals BT: Standards

organizations Nickel allovs NT:

> Nickel compounds US Department of

> > Commerce

Nickel alloys

Nickel **NIST Standards** BT:

RT: Alloying BT: Standards publications

Nickel cadmium batteries Nitrogen

> BT: Batteries BT: Chemical elements

> > Gases

Nickel compounds Silicon nitride NT:

> BT: Nickel NLP

Night vision USE: Natural language

> BT: Infrared imaging processing

RT: Image sensors

Military equipment *nMOSFETs*

USE: MOSFFT **Niobium**

UF: Nb NMR

> BT: Metals USE: Nuclear magnetic

RT: Type II resonance

superconductors Niobium allovs NMR imaging NT:

Niobium compounds USF: Magnetic resonance

imaging

Niobium alloys

BT: Niobium Noise

RT: Alloying BT: Signal processing

NT: Niobium-tin RT: Autoregressive

processes

Niobium compounds Cyclic redundancy

BT: Niobium check

Distortion Niobium-tin Electromagnetic

UF: Nb3Sn interference BT: Interference

Niobium alloys

Superconducting Noise generators Noise measurement Roundoff errors Tin alloys

NT:

1/f noise Additive noise **NISO Standards**

> BT: Standards publications Colored noise Gaussian noise

Laser noise

NBS Low-frequency noise National Bureau of Noise cancellation

Standards Phase noise

Signal to noise ratio



UF:

materials

NIST

Superconducting device

White noise

Noise abatement

noise

USE: Noise reduction

Noise cancellation

UF: Noise cancellers Acoustic noise BT:

Noise

RT: Filtering

Noise cancellers

USE: Noise cancellation

Noise figure

BT: Noise measurement RT: Signal to noise ratio

Noise generators

BT: Signal generators

RT: Noise

Noise level

Acoustic noise RT.

Noise measurement

UF: Noisy BT:

Measurement

Distortion measurement RT:

Electric variables

measurement

Noise

Packet loss

NT: Multiple signal

classification

Noise figure

Noise shaping

Noise reduction

UF:

Audio enhancement

De-noising

Denoising

Noise abatement

Noise suppression

Acoustic noise BT:

NT: Active noise reduction

Noise robustness

Wiener filters

Noise robust

USE: Noise robustness Noise robustness

UF: Noise robust BT: Noise reduction

Noise shaping

UF: Noise-shaping BT: Noise measurement

NT: Multi-stage noise

shaping

Noise suppression

USE: Noise reduction

Noise-shaping

USE: Noise shaping

Noisy

USE: Noise measurement

NOMA

UF: non-orthogonal

multiple access

BT: Communication systems

MIMO communication RT:

OFDM

Radio communication

NoSOL databases

Non relational databases

USE:

Non-gyroscopes

USE: Gyroscopes

non-orthogonal multiple access

USF: NOMA

Non-parametric statistics

Nonparametric USE:

statistics

Non-united-states activities

IEEE Professional USE:

activities

Non-volatile memory

USF: Nonvolatile memory

Non-volatile single electron memory

USE: Nonvolatile single

electron memory

Non-volatile single-electron memory

USE: Nonvolatile single

electron memory



Nonlinear circuits

Nonconductive adhesives BT: Circuits RT: Chaos BT: Adhesives

Mixers

Nondestructive testing Power conversion Materials testing Rail to rail inputs BT: RT: Acoustic emission Rail to rail outputs Nonlinear network Ultrasonic transducers NT:

NT: Magnetic flux leakage analysis

Nondeterministic polynomial-time hard Nonlinear control systems

NP-hard problem USE: BT: Control systems

RT: Control nonlinearities Piecewise linear Nongyroscopes

USE: Gyroscopes techniques

Nonlinear distortion Nonhomogeneous media

> Composite media BT: Distortion Inhomogeneous media RT: Limiting Layered media Predistortion

> Multilayers NT: Harmonic distortion Periodic media Intermodulation

> > Econophysics

Stratified media distortion

Media BT:

RT: Random media Nonlinear dynamical systems

UF: Nonlinear dynamics BT: Noninvasive diagnosis Nonlinear systems

USF: Noninvasive treatment RT: Chaos

Noninvasive measurement Fuzzy sets Noninvasive treatment USE: Kalman filters Neural networks Pattern formation Noninvasive surgery

USE: Noninvasive treatment Possibility theory Predator prey systems

Noninvasive technique Spatiotemporal

USE: Noninvasive treatment phenomena Uncertainty

Noninvasive treatment Noninvasive diagnosis UF: Nonlinear dynamics

Noninvasive USE: Nonlinear dynamical

measurement systems

Noninvasive surgery

Noninvasive technique Nonlinear equations Medical treatment BT: BT: Equations

NT: **Embolization** Mathematics

Algebra Pulse oximetry RT: Linear approximation

Nonlinear acoustics Nonlinear systems BT: Acoustics Numerical analysis

RT: Acoustic distortion NT: Bifurcation Nonlinear wave

propagation Nonlinear filters

BT: Filters



UF:

RT: Detectors Nearest neighbor NT:

> Phase locked loops methods

Nonlinear magnetics Nonrelational databases

> BT: Magnetics USE: NoSQL databases RT: Ferroresonance

Nonuniform electric fields

Nonlinear network analysis BT: Electric fields BT:

Circuit analysis

Nonuniform sampling

Nonvolatile memory

Non-volatile memory

Sampling methods

Nonlinear optical devices BT: Nonlinear optics Nonuniform transmission lines

> RT: Optical detectors USE: Distributed parameter

circuits Nonlinear optics

Nonlinear circuits

Nonvolatile memories BT: Optics 0

> RT: Electrooptic effects USE: Nonvolatile memory

Pattern formation Photonic crystals Thermal lensing

Bilinear systems

UF: Fiber nonlinear optics NT:

Nonvolatile memories Nonlinear optical BT: Memory

devices NT: Nonvolatile single

Optical mixing electron memory Optical saturation

Photorefractive effect Nonvolatile single electron memory Raman scattering UF: Non-volatile single

electron memory

Supercontinuum electron memory

Non-volatile singlegeneration

electron memory

Nonlinear systems Nonvolatile single-

> Multilinear systems BT: Nonvolatile memory

> BT: Mathematics RT: Control systems Nonvolatile single-electron memory

Linear approximation Nonvolatile single USE:

Manipulators electron memory Mobile robots

Normal distribution Nonlinear equations

Robots USE: Gaussian distribution NT: Chaos

North America Nonlinear dynamical

systems BT: Continents

North Pole Nonlinear wave propagation

Propagation BT: BT: Arctic

RT: Nonlinear acoustics

Nonparametric statistics BT: Head

UF: Sense organs Non-parametric

statistics NT: Olfactory BT: **Statistics**

NoSQL databases



UF:

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Nose

UF: Non relational Fusion reactors

databases

Gas discharge devices

databases

BT: Database systems

RT: Big Data

> Data structures Data warehouses Distributed databases

Linked data

Nonrelational

Query processing

Notch filters

UF: Band-stop filters

BT: Filters

Notice of Violation

BT: IEEE publications

RT: Intellectual property

Plagiarism

NP hard problem

NP-hard problem USF:

NP-C

NP-complete problem USE:

NP-complete problem

UF: NP-C

BT: Complexity theory

NP-hard problem

UF: NP hard problem

Nondeterministic

polynomial-time hard

BT: Complexity theory

NT: Traveling salesman

problems

NTIA

UF: National

Telecommunications and Information

Administration

BT: US Department of

Commerce

Nuclear and plasma sciences Biomedical

applications of radiation

Colliding beam devices Electron emission

Elementary particles

Fusion power

Gamma-ravs

High energy physics

instrumentation computing

Ion beam applications Nuclear electronics Nuclear imaging Nuclear medicine Nuclear physics

Particle accelerators Particle beam handling

Particle beam

Plasmas

Radiation effects Radiation hardening

(electronics)

injection

Radiation monitoring

Radiation safety

Reactor

instrumentation

Scintillation counters

Thermionic emission

Nuclear batteries

USE: Atomic batteries

Nuclear bombs

USF: Nuclear weapons

Nuclear electronics

BT: Nuclear and plasma

sciences

FET circuits RT:

High energy physics

instrumentation computing

Nuclear facility licensing

USE: Nuclear facility

regulation

Nuclear facility regulation

UF: Licensing (nuclear

facilities)

Nuclear facility

licensing

Power industry RT.

RT: Radioactive waste

Nuclear fission

USE: Fission reactors

Nuclear fuels



generation

BT: Energy resources BT: Nuclear physics

Fuels

Radioactive materials

RT: Nuclear power

generation

Nuclear phase transitions

Nuclear phase

Radioactive waste transformations

Nuclear imaging Nuclear physics

> Gamma-ray imaging UF: BT: Imaging

> > Nuclear and plasma

sciences

RT: Nuclear medicine

Radiography

NT: Energy resolution

Ion emission

Nuclear magnetic resonance

UF:

BT: Magnetic resonance

Nuclear magnetic resonance imaging

USE: Magnetic resonance

imaging

Nuclear measurements Nuclear power generation

> BT: Measurement

RT: Atomic measurements

CAMAC

Fastbus

Position sensitive

particle detectors

Radiation detectors

Spectroscopy

NT: Particle tracking

Nuclear medicine

BT: Engineering in

medicine and biology

Nuclear and plasma

sciences

RT: Energy resolution

Gamma-rays

Nuclear imaging

Positron emission

tomography

Nuclear phase transformations

UF: Nuclear phase

transitions

nuclear

Phase transformations,

nuclear

Phase transitions,

USE:

RT:

BT: Nuclear and plasma

sciences

RT: Hafnium

NT: Alpha particles

> Beta rays Ignition Ion sources Isotopes Nuclear phase

transformations

Nuclear thermodynamics

Nuclear thermodynamics

Relativistic effects

Nuclear Power Generating Stations

USE: Nuclear power

generation

UF: Atomic energy

Nuclear Power

Generating Stations

Power generation BT: RT: Nuclear fuels NT: Atomic batteries

Fission reactors Fusion power

generation

Nuclear reactors (fission)

USE: Fission reactors

Nuclear reactors (fusion)

USE: Fusion reactors

Nuclear thermodynamics

BT: Nuclear physics

Elementary particles RT:

Entropy

Nuclear phase

transformations

Phase change materials

Nuclear wastes

USE: Radioactive pollution

Nuclear weapons



UF: Nuclear bombs Transmission line

BT: matrix methods Weapons

Null space Numerical models

> BT: Kernel BT: Modeling

Null value

Nullvalue

Numerical simulation UF: Nullvalue

BT: Data structures BT: Numerical analysis

RT: RT: Modeling Programming

Plasma simulation

Numerical analysis

Simulation

USE:

Null value

Numerical analysis

Mathematics BT: RT: Convolution

Deconvolution

Difference equations

Differential equations

Error analysis

Integral equations Inverse problems

Matlab

Nonlinear equations

Numerical models

Transforms

NT: Adaptive mesh

refinement

Approximation methods

Convergence of

numerical methods

Finite difference

methods

Finite element

analysis

Finite volume methods

Gradient methods

Independent component

analysis

Iterative methods

Least squares

approximation

Method of moments Mode matching methods Multigrid methods Newton method

Numerical simulation

Numerical stability

Relaxation methods

Sparse matrices

Splines (mathematics)

Surface fitting

Symmetric matrices

Numerical stability

RT:

Numerical analysis BT:

RT: Algorithms

Nursing

USE: Medical services

Nuts (fasteners)

USE: Fasteners

NVO

USE: Vocational training

Nylon fiber

USE: Synthetic fibers

0-rings

USE: Structural rings

USE: Open area test sites

Obesity

OATS

BT: Medical conditions

Obituaries

BT: IEEE indexing

Object detection

Image object detection UF:

Target detection Image analysis

BT: RT: Image matching

Internet of Things Magnetic anomaly

Magnetic anomaly

detectors

Robot vision systems

NT: Buried object

detection



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detection

Time difference of Video signal

arrival processing

Object oriented databases Object-oriented programming

> BT: USE: Object oriented Database systems

Databases programming

RT: Object oriented methods **Observability**

BT:

Object oriented methods Programming **Observatories**

RT: Object oriented BT: Astronomy RT: Telescopes

databases Object oriented

Observers programming

State estimation BT: Object oriented modeling RT: Machine vision

BT: Modeling Disturbance observers NT: Earth Observing System

Object oriented programming

UF: Object-oriented Obstacle avoidance Collision avoidance USE:

programming BT: Programming

RT: C languages Occipital Lobe

C# languages BT: Brain

Object oriented

methods Occupational health UF:

Python Health (occupational) Software libraries BT: Health and safety

Control theory

Software reusability RT: Accidents

NT: Dispatching Biological effects of

radiation

Object recognition Domestic safety

UF: Image object Electric shock Employee welfare recognition

BT: Machine vision Environmental factors RT:

Image matching Ergonomics Image recognition Eye protection

Object tracking Occupational medicine Robot vision systems Occupational safety

NT: Target recognition Pollution

Protective clothing Object segmentation Radioactive materials

BT: Machine vision Risk analysis

NT: Safety Subspace constraints

Toxicology Object tracking Working environment

BT: Tracking noise

> RT: Cinematography NT: Occupational stress

Image motion analysis

Image segmentation Occupational medicine

Motion estimation BT: Medical services Object recognition RT: Medical diagnosis Medical treatment Trajectory



Occupational health Oceanic engineering BT:

temperature

Ocean waves

Ocean vegetation

USE:

RT.

RT:

NT:

and marine technology

Occupational pensions 0ceans

> RT: Global warming

Land surface

Occupational safety

USE:

UF: OSHA

BT: Health and safety

RT: Accidents

Domestic safety

Pensions

Electric shock Employee welfare

Eve protection

Industrial accidents Occupational health

Protection

Protective clothing Radioactive materials

Risk analysis

Working environment

noise

OCDM

Oceanic engineering and marine

technology

NT: Marine navigation

Hydrology

Sea state

Wave power

Marine technology Ocean temperature Oceanographic

Marine vegetation

Ocean circulation

techniques

Water pollution

Occupational stress

USE:

USE:

BT: Occupational health RT: Employee welfare

Code division

Marine animals

Hazards

Oceanographic techniques

BT: Oceanic engineering

and marine technology

RT: Acoustic imaging

Hydrologic

measurements

Radar applications

Remote sensing

Ocean circulation

multiplexing

Ocean animals

BT: Oceanography RT: Ocean waves

Sea level

Tides

Oceanography UF:

Marine science Oceanology

BT: Geoscience RT: 0ceans

NT: Ocean circulation

Ocean composition

USE: **Oceans** OceanoLogy 1 4 1

USE: **Oceanography**

Ocean salinity

BT: 0ceans

RT: Salinity (geophysical)

Sea surface

SMOS mission NT:

Oceans

UF: Ocean composition

Planetary oceans

BT: Geoscience RT: Geophysics

Ocean technology USE: Marine technology

Marine technology

Oceanography

Sea ice

Sea measurements

Water

temperature



Ocean temperature

UF:

NT: Ocean salinity

Ocean temperature

Sea coast

Sea floor Sea level Sea surface

Tides

OCR

USE: Optical character

recognition software

Octrees

Data structures BT:

OFDM

Orthogonal frequency division multiple access

Orthogonal frequency

division multiplexing

UF:

BT: Multiplexing

RT: 3G mobile

communication

Acoustic communication

(telecommunication)

Communication channels

Digital signal

processing

MIMO communication

Modulation Multiaccess

communication

Multicarrier code

division multiple access

NOMA

NT: Multiple access

interference

OFDM modulation

Partial transmit

sequences

Peak to average power

ratio

OFDM modulation

BT: **OFDM**

OFETS

Organic FETS UF:

Organic field effect

transistors

Organic field-effect

transistors

BT: Field effect

transistors

Office automation

BT: Automation

RT: Bring your own device

Communication systems Data communication Desktop publishing Document handling Electronic mail Information systems

Local area networks Microcomputers Teleconferencing Text processing

Unsolicited electronic

mail

Voice mail

NT: Workflow management

software

Offshore distribution systems

Offshore installations USE:

Offshore installations

UF: Gas platforms

Offshore distribution

systems

Offshore power plants

Oil platforms

BT: Structural engineering

RT: Oil drilling

Petroleum industry Power industry

Offshore power plants

USE: Offshore installations

OGC

Open Geospatial USE:

Consortium

Ohmic contacts

BT: Contacts

RT: Linear circuits

Ohmmeters

Electrical resistance USE:

measurement

Oil drilling

UF: Drilling oil

BT: Petroleum industry

RT: Drilling



Fuel processing Fractionation industries Fuel processing

Offshore installations industries

Technology Insulation

Well logging Marine pollution

Mechanical factors

Mechanical power

Petroleum

Oil filled cables

BT: Oil insulation transmission

RT: Cable insulation Oil insulation Oil pollution

Oil filters

USE: Lubricating oils Petroleum industry

Oil industry Pipelines Water pollution

USÉ: Petroleum industry NT: Lubricating oils Vegetable oils

Oil insulation
UF: Transformer oil

BT: Insulation USE: Organic light emitting

OLED

RT: Oils diodes

NT: Oil filled cables
Olfactory

Oil platforms BT: Nose

USE: Offshore installations

Olfactory bulb

Oil pollution BT: Forebrain Sense organs

RT: Accidents

Land pollution Oligopoly

Marine pollution BT: Economics
Oils RT: Game theory
Petroleum Microeconomics

Petroleum industry

Omnidirectional antennas
Oil refineries
BT: Antennas

BT: Petroleum industry

On board unit

Oil sands BT: Communication

USE: Hydrocarbons equipment

RT: Dedicated short range

Oil shale communication

USE: Hydrocarbons Vehicle-to-everything

Oil tanks On demand software

USE: Fuel storage USE: Software as a service

Oiling (Lubrication) On load tap changers

USE: Lubricating oils UF: Load tap changers

On-load tap changers
Onload tap changers
T: Materials BT: Power transformers

BT: Materials BT: Power transformers RT: Voltage control Fats

Fluids On the job training



0ils

UF: On-the-job training On-line services
BT: Training Reverse teaching

RT: Industrial training BT: Information retrieval

RT: Cloud gaming

Google Internet

USE: System-on-chip Internet

NT: Online banking

On-demand software

On-chip

USE: Software AND Online voting

Software as a service USE: Electronic voting

On-line services Onload tap changers

USE: Online services USE: On load tap changers

On-load tap changers Ontologies

USE: On load tap changers UF: Ontology BT: Knowledge

On-the-job training representation

USE: On the job training RT: Linked data

Ranking (statistics)

Oncological surgery Semantic Web
UF: Otologic surgery Semantic search

Surgery oncology Thesauri

BT: Surgery NT: Description logic RT: Cancer

Oncology Ontology

USE: Ontologies

Oncology
BT: Medical specialties ONU

RT: Cancer USE: Optical network units

Chemotherapy
Oncological surgery 000

Tumors USE: Out of order

Online banking Op amp

UF: Digital currency USE: Operational amplifiers

E-banking
E-currency Open Access

Electronic banking BT: Open systems
Electronic currency Publishing

Internet banking NT: Public domain software Virtual currency

BT: Banking **Open area test sites**

Online services UF: OATS

RT: Bitcoin BT: Test facilities Cryptocurrency RT: Electromagnetic

Electronic commerce compatibility and interference NT: Distributed ledger Electromagnetic

interference

interference

Online indexing Immunity testing
USE: Indexing Military equipment

Online services Open Educational Resources

UF: Inverted classroom BT: Education courses



Open systems USE: Open source hardware

Open Geospatial Consortium Operating cost reduction

UF: OGC USE: Costing

BT: Standards organizations Operating systems

UF: Computer operating

Open loop control systems

> USE: Open loop systems Executive programs Robot operating

Open loop systems systems

> UF: Open loop control Supervisory programs BT: Control systems System software BT: RT: Feedforward systems RT: Computer security Operational amplifiers Cyber-physical systems

Program processors Software defined Open source hardware

networking UF: Opensource hardware

> BT: Hardware System recovery

NT: Android (operating Open source software system)

Open-source UF:

Booting BT:

Embedded systems Software Public domain software RT: Input-output programs

Kernel

Open systems Microsoft Windows UF: OSI Network operating

BT: Computers and systems

information processing System kernels

System analysis and

design Operational amplifiers RT: Common Information UF: Op amp

Model (electricity) BT: Active circuits

Computer networks Amplifiers Internetworking RT: FET circuits

Interoperability Linearization

Local area networks techniques Metropolitan area

MOSFET circuits networks Open loop systems NT: Feedback amplifiers Standards

Wide area networks

Operations research NT: Open Access BT: Business

Open Educational

Resources RT: Linear programming

Physical layer Management

Optimization methods

Open wireless architecture Principal component UF: analysis

BT: Wireless communication Resource management

Statistics TOPSIS Open-source

USE: Open source software NT: Inventory control

Virtual enterprises

Opensource hardware



Opportunistic software systems

development

BT: Programming

Optic flow

USE: Optical flow

Optical add-drop multiplexers

UF: ROADMS

BT: Add-drop multiplexers

Optical amplification

USE: Stimulated emission

Optical amplifiers

BT: Optics RT: Erbium

NT: Doped fiber amplifiers

Erbium-doped fiber

amplifiers

Semiconductor optical

amplifiers

Optical arrays

BT: Optical devices

RT: Micromirrors

Phased arrays

Optical attenuators

UF: Variable optical

attenuators

BT: Attenuators

Optical devices

RT: Optical communication

equipment

Optical losses

Optical beam splitting

BT: Optical beams

Optical beams

BT: Beams

RT: Bragg gratings

Laser beams Laser theory

NT: Optical beam splitting

Optical bistability

UF: Bistability (optical)
BT: Electrooptic effects
RT: Electrooptic devices

Optical switches

Optical buffering

communication

Optical burst switching

BT:

BT: Burst switching

Optical fiber

Optical character recognition software

UF: OCR
BT: Software

Optical cloaking

UF: Metamaterial cloaking

BT: Metamaterials

Optical materials

Optical code division multiplexing

USE: Code division

multiplexing

Optical coherence tomography

BT: Tomography

RT: Eyes

Optical collimators

BT: Optical devices

Optical communication

USE: Optical fiber

communication

Optical communication equipment

BT: Communication

equipment

RT: Biomedical optical

imaging

Optical attenuators

Optical switches

NT: Optical transmitters

Optical components

USE: Optical devices

Optical computing

BT: Computers and

information processing

Optical control

BT: Control systems
RT: Optical switches
NT: Lighting control

Optical variables

control

Optical coupling



BT: Optical device Electromagnetic

coupling

Optical detectors

RT: Optical fiber couplers

Optical filters

Optical resonators Optical crosstalk Optical sensors Thermooptical devices BT: Optics 0

fabrication

RT:

Optical fiber

Optical diffraction communication BT: Electromagnetic

diffraction Optical design BT: Optics RT: Photonic band gap

> RT: Laser theory NT: Diffraction gratings NT: Optical design

Optical distortion techniques

BT: Optics 0 and Optical design techniques RT: Lasers

BT: Optical design Optical noise RT: Design methodology Thermal lensing NT: High-speed optical

techniques Optical distortion measurement

USE: Distortion measurement

Optical engineering BT: Optical sensors

RT: Engineering - general Nonlinear optical BT:

devices Optics

Optical materials NT: Bar codes RT:

Optical device fabrication Optical feedback

> Fabrication BT: BT: Image processing

Distributed feedback Optical devices RT:

Electronic equipment RT: devices

manufacture

Light deflectors

Optical fiber amplifiers Optical devices UF:

Optical fibre UF: Optical components amplifiers

BT: **Optics** BT: Optical fibers

RT: Biomedical optical RT: **Amplifiers**

imaging Endomicroscopy Optical fiber applications

> Gratings UF: Optical fibre Optical materials applications

NT: Bragg gratings BT: Optics

Collimators RT: Channel spacing Displays Code division

Holographic optical multiplexing

Optical fiber cables components

Optical fiber Lenses

Optical fibers Lighting

Luminescent devices NT: Optical fiber devices

communication

Mirrors

Optical arrays Optical fiber cables

Optical attenuators UF: Communication cables

Optical collimators (optical)



Optical fibre cables

BT: Cables

Optical fiber RT:

applications

Splicing

Optical fiber dispersion

UF: Optical fibre

dispersion

BT: Dispersion

Optical fiber communication

UF: Infrared communication

Optical communication

Optical fibre

communication

Optical links

Communication systems BT:

RT: Avalanche photodiodes

Broadband

communication

Indoor communication Optical crosstalk

Optical fiber

applications

Optical transmitters

Ouantum communication

Silicon photonics

Synchronous digital

hierarchy

NT: FDDI

Free-space optical

communication

Optical buffering

Optical fiber networks

Optical fiber

subscriber loops

Optical

interconnections

Optical packet

switching

Optical wavelength

conversion

Scheduling algorithms

Visible light

communication

Optical fiber couplers

Optical fibre couplers UF:

Optical fiber

Optical fibers

Optical fiber sensors

BT: Optical fibers

RT: Optical coupling

Optical fiber filters

Optical filters BT:

Optical fiber LAN

UF: Optical fiber local

area network

Optical fibre LAN

Optical fibre local

area network

Optical fiber networks BT:

Optical fiber local area network

USE: Optical fiber LAN

Optical fiber loss

Optical fiber losses USE:

Optical fiber losses

UF: Optical fiber loss

Optical fibre losses

BT: Optical fibers

Optical fiber networks

Elastic optical UF:

networks

Optical fibre networks

Optical networks

Optical-fiber networks

Optical-fibre networks

BT: Optical fiber

communication

Light fidelity RT:

All-optical networks NT:

> LAN emulation Optical fiber LAN Optical network units

Passive optical

networks

Protection switching

Wavelength assignment

Optical fiber polarization

Optical fiber devices Optical fibre

> UF: Optical fibre devices polarisation

> > Polarizationmaintaining optical fibers

BT: Optical fibers

RT: Optical fiber sensors



applications

BT:

RT:

NT:

Optical interferometry Optical fiber NT:

NT: Polarization mode amplifiers

dispersion Optical fiber couplers

Optical fiber sensors

Fiber optic sensors polarization UF: Fibre optic sensors

Optical fibre sensors Plastic optical fiber Optical fiber devices

BT:

Optical sensors RT: Optical fiber

polarization

Partial discharge

measurement

Optical fiber subscriber loops

UF: FTTH

Fiber-in-the-loop

Optical fibre

subscriber loops

BT: Optical fiber

communication

Optical fiber testing

UF: Optical fibre testing

BT: Testing

Optical fibers RT:

Optical fiber theory

Optical fibre theory UF:

BT: Optical fibers

RT: Electromagnetic field

theory

Optical fibers

UF: Optical fibres

BT: Fiber optics

Optical waveguides

Electromagnetic RT:

waveguides

Optical fiber

applications

Optical fiber devices

Optical fiber testing

Optical materials

Optical propagation

Optical waveguide

theory

Optical wavelength

conversion

Supercontinuum

generation

Temperature sensors

Optical fiber losses

Optical fiber

Optical fiber theory

Wavelength conversion

Optical fibre amplifiers

USE: Optical fiber

amplifiers

Optical fibre applications

Optical fiber USE:

applications

Optical fibre cables

USE: Optical fiber cables

Optical fibre communication

USF: Optical fiber

communication

Optical fibre couplers

Optical fiber couplers

Optical fibre devices

Optical fiber devices USE:

Optical fibre dispersion

USE: Optical fiber

dispersion

Optical fibre LAN

USE: Optical fiber LAN

Optical fibre local area network

USE: Optical fiber LAN

Optical fibre losses

USE: Optical fiber losses

Optical fibre networks

USE: Optical fiber networks

Optical fibre polarisation

USE: Optical fiber

polarization

Optical fibre sensors

USE: Optical fiber sensors



Optical fibre subscriber loops

USE: Optical fiber

subscriber loops

Optical fibre testing

USE: Optical fiber testing

Optical fibre theory

USE: Optical fiber theory

Optical fibres

USE: Optical fibers

Optical films

BT: Films

RT: Integrated optics

Optical materials

Optical filters

BT: Optical devices

RT: Photography

NT: Optical fiber filters

Optical flow

UF: Optic flow

BT: Optical imaging

Relativistic effects

Optical frequency combs

USE: Optical harmonic

generation

Optical frequency conversion

BT: Frequency conversion

Optical gratings

USE: Gratings

Optical harmonic generation

UF: Optical frequency

combs

BT: Optics

Optical heterodyning

USE: Optical mixing

Optical imaging

BT: Imaging

RT: Infrared imaging

Microscopy
Remote sensing

NT: Optical flow

Optical projectors

Talbot effect

Thermoreflectance

imaging

Optical interconnections

UF: Optical interconnects

BT: Optical fiber

communication

Optical interconnects

USE: Optical

interconnections

Optical interferometry

UF: Light interferometry BT: Interferometry

RT: Optical fiber

polarization

Speckle

Talbot effect

Optical lattices

USE: Lattices

Optical links

USE: Optical fiber

communication

Optical losses

BT: Optics

RT: Loss measurement

Optical attenuators
Optical scattering

Optical materials

BT: Materials RT: Glass

Indium tin oxide

Lenses

Magnesium oxide Metamaterials

Mirrors

Optical devices
Optical engineering
Optical fibers

Optical films

Optics

Organic inorganic

hybrid materials

NT:

Phase change materials
Photonic crystals

SIMO communication

Colloidal nanocrystals
Optical cloaking

Optical polymers



Optical retarders
Optical superlattices

Photorefractive

materials

Optical measurements

USE: Optical variables

measurement

Optical metamaterials

UF: Photonic metamaterials

BT: Metamaterials RT: Electromagnetic

metamaterials

Optical metrology

BT: Metrology

Optical microscopy

BT: Optics

Optical mixing

UF: Optical heterodyning
BT: Nonlinear optics

Optics

RT: Photorefractive

materials

NT: Multiwave mixing

Optical modulation

BT: Modulation

RT: Indoor communication Microwave photonics

Optical transmitters

NT: Electrooptic

modulators

Intensity modulation

Optical multilayers

USE: Optical superlattices

Optical network units

UF: ONU

BT: Optical fiber networks

Optical networks

USE: Optical fiber networks

Optical noise

BT: Integrated circuit

noise

RT: Optical distortion

NT: Speckle

Optical packet switching

BT: Optical fiber

communication

Optical planar waveguides

BT: Optical waveguides

Optical polarisation

USE: Optical polarization

Optical polarization

UF: Light polarisation
Light polarization

Optical polarisation

BT: Optics

RT: Photoelasticity
NT: Polarization shift

keying

Stokes parameters

Optical polymers

BT: Optical materials

Polymers

Optical projectors

UF: projectors (optical)
BT: Optical imaging

Video equipment Image processing

Micromirrors
Motion pictures

Optical propagation

RT:

UF: Infrared propagation

BT: Electromagnetic

propagation

RT: Optical fibers

Thermooptic effects

NT: Optical surface waves

Optical waveguides

Optical pulse compression

BT: Pulse compression

methods

Optical pulse generation

BT: Pulse generation

RT: Optical pulse shaping

Optical pulse shaping

BT: Pulse shaping methods

RT: Optical pulse

generation



Optical pulses Optical ring resonators

> BT: Optics UF: Ring resonators BT: Optical resonators

Optical pumping

Optical reflection

BT:

BT:

USE:

resonators

BT: Laser excitation Optical saturation

BT:

Optical radar Optics 0

USE: Laser radar

Optical scan voting systems Optical receivers

BT: Electronic voting

BT: Receivers systems

Optical scattering Optical recording

> BT: Recording BT: Electromagnetic RT:

Laser applications scattering CD recording NT: RT:

Light scattering

Optical losses Optical reflection Electromagnetic

Nonlinear optics

Laser radar

reflection Speckle

RT: Mirrors Optical scattering

Reflectometry

Refractive index

Repeaters

Laser cavity

Optical sensors Reflectivity BT: Optical devices Sensors

Thermooptic effects RT: Image sensors NT:

Optical detectors Optical refraction Optical fiber sensors

Physical optics RT: Photorefractive effect Optical signal detection

Photorefractive BT: Signal detection

RT: materials Photodetectors

Thermooptic effects Optical signal processing

BT: Signal processing

NT: Laser noise Optical regenerators

Optical solitons

Optical resonators BT: Optics Optical devices Solitons BT:

Digital filters RT: RT: Optical vortices

Optical superlattices resonators

> Resonance UF: Optical multilayers NT: Microcavities BT: Optical materials

Superlattices Optical ring

Optical surface waves

Optical retarders BT: Optical propagation

UF: Half-wave plates

Quarter-wave plates Optical switch

BT: Optical materials USE: Optical switches

Optics 0 RT: Polarimetry Optical switches

UF: Optical switch

BT: Switches

RT: Optical bistability Optical waveguide components

Optical communication BT: Optical waveguides

equipment

Optical control Optical waveguide theory

Photothyristors BT: Optical waveguides Smart pixels RT: Optical fibers

Thermooptical devices

Optical waveguides
Optical transmitters

Optical waveguides
BT: Optical waveguides

ransmitters BT: Optical propagation
T: Optical communication Waveguide components

equipment RT: Electrooptic

equipment RI: Electrooptic
Transmitters modulators

RT: Bragg gratings Integrated optics
Diodes Photonic crystals

Diodes Photonic crystals
Optical fiber NT: Arrayed waveguide

communication gratings

Optical modulation Electrooptical

Photodiodes waveguides

Semiconductor lasers
Optical fibers
Optical planar

Semiconductor optical Optical planar amplifiers waveguides

Optical waveguide

Optical tuning components

BT: Optics Optical waveguide

Tuning theory RT: Laser tuning

Reflectometry

Optical wavelength conversion
Optical variables control

BT: Optical fiber

BT: Optical control communication
RT: Frequency control Signal procession

T: Frequency control Signal processing
Phase control RT: Multicast

communication

Optical variables measurement Optical fibers

RT: Frequency measurement Optical-fiber networks

Phase measurement USE: Optical fiber networks

Wavelength measurement Optical-fibre networks

NT: Ellipsometry USE: Optical fiber networks

Photometry

Reflection coefficient Optics

Refractive index BT: Lasers and

Optical vortex electrooptics

RT: Erbium

USE: Optical vortices Fourier transforms

Laser theory

Optical vortices Magnetooptic effects
UF: Optical vortex Optical materials

Vortices, optical NT: Adaptive optics
BT: Physical optics Birefringence
RT: Laser beams Brightness

Laser beams Brightness Optical solitons Color

Electron optics Optimisation

Extinction Optimization USE:

coefficients

Fiber optics Optimisation methods

Fluorescence USE: Optimization methods

Four-wave mixing Optimised production technology Geometrical optics

USE: Optimized production Integrated optics

Light fields technology

Light sources

Luminescence Optimising compilers

Microoptics USE: Optimizing compilers

Nonlinear optics Optical amplifiers **Optimization**

Optical crosstalk UF: Optimisation

Optical design Performance

Optical devices optimisation

Optical distortion Performance

Optical engineering optimization

Optical fiber BT: Mathematics

RT: Artificial bee colony applications

Optical harmonic algorithm

generation Doping profiles Optical losses Least squares

Optical microscopy approximation

Optical mixing Minimization Optical polarization Parametric study

Optical pulses Performance analysis

Optical retarders TOPSIS Optical saturation NT: Cost function

Optical solitons Optimal scheduling Optical tuning Optimization methods

Particle beam optics Trajectory

Photoluminescence optimization

Physical optics Ray tracing Optimization methods

Stray light UF: Optimisation methods

BT: Ultrafast optics Optimization Whispering gallery RT: Infinite horizon Linear programming

MIMO communication Newton method

Control systems Operations research Game theory Processor scheduling H infinity control Response surface

NT: Bang-bang control methodology

> Infinite horizon Search methods

> Single machine

Optimal matching scheduling

BT: Graph theory NT: Circuit optimization

Design optimization Fireworks algorithm Gradient methods

Optimization H infinity control



modes

Optimal control

BT:

RT:

Optimal scheduling

BT:

Mathematical UF: Speech communication

BT: Professional programming

Optimized production communication technology NT: Public speaking

Pareto optimization Speech

Ouadratic programming

Simulated annealing Orange technology

Social implications of USE:

Optimized production technology technology

UF: Optimised production technology Orbital calculations

BT: Optimization methods BT: Energy states

Production control RT: Production planning Orbital debris

Production systems USE: Space debris

Optimizing compilers Orbital robotics

UF: Optimising compilers BT: Robots

BT: Program processors

Orbits

Opto-electronic devices BT: Astrophysics Optoelectronic devices Geostationary USE: RT:

satellites

Optoacoustic effects NT: Orbits (stellar)

Photoacoustic effects Planetary orbits

Optoelectronic and photonic sensors Orbits (stellar)

BT: Sensors BT: **Orbits**

RT: Stellar motion Optoelectronic devices

UF: Opto-electronic **Ordinance**

devices USE: Weapons

BT: Lasers and

electrooptics Ordinary magnetoresistance

RT: Electrooptic devices BT: Magnetoresistance

Phototransistors

Ores

Charge-coupled image BT: Minerals

sensors

Integrated

Organic chemicals optoelectronics Light emitting diodes BT: Chemistry

Photoconducting NT: Hydrocarbons

Photodetectors Organic compounds

BT: Superluminescent Compounds diodes RT: Carbon

NT: Carbon compounds

Optothermal effects Organic semiconductors

USE:

Photothermal effects Volatile organic

compounds **Optothyristors**

USE: **Photothyristors** Organic electronics

UF: Paper electronics BT: Oral communication Electronic equipment



devices

NT:

RT: Synapses

Organic thin-film transistors USE: Organic thin film Organic FETS

USE: **OFETs** transistors

Organic field effect transistors Organic-inorganic hybrid materials

> Organic inorganic USF: OFFTS USF:

hybrid materials

Organic field-effect transistors USE: **OFETs** Organically modified silicates

Organic inorganic hybrid materials hybrid materials

Inorganic organic hybrid materials Organisational aspects

Inorganic-organic USE: Organizational aspects

hybrid materials Organic-inorganic Organisational culture

hybrid materials Organizational aspects USE:

Organically modified silicates Organisational structure

Ormosils USE: Organizational aspects

BT: Materials

Inorganic compounds RT: Organisms

Optical materials

Organic light emitting diodes UF: **OLED**

Organic light-emitting

diodes

Polymer led

Organic light-emitting diodes

Light emitting diodes BT: RT: Electroluminescence Molecular electronics

NT: Active matrix organic

light emitting diodes Organizational aspects

UF: Business organisation

Organic light emitting USE:

Organisational aspects diodes Organisational culture

Organisational

Organic materials structure

> Materials BT: Organizational culture

Organizational

Organic semiconductors

Organic compounds BT: Management

> Semiconductor RT: Business process re-

structure

materials engineering

Organic thin-film

NT: Pentacene Industrial

communication

Organic thin film transistors NT: Business communication UF: OTFT

Corporate acquisitions Facilities management

Organic inorganic

Biological systems

Algae

Fish

Fungi

Animals

Archaea

Mesomycetozoea

Microorganisms

Plants (biology)

Viruses (medical)

Business organization

Role transfer

Thin film transistors Scheduling

BT:

NT:



BT:

transistors

Stakeholders

Team working Orthopedic surgery

BT: Surgery

Organizational communication

USE: Industrial Orthotics

communication BT: Medical treatment RT: Assistive technology

Organizational culture

USE: Organizational aspects

Biomedical engineering Biomedical equipment

Medical control

Organizational structure systems

USE: Organizational aspects

Prosthetics Sensory aids Wearable robots

Oscillators

Organizations

BT: Business NT: BNSC

Companies

Government

Sociotechnical systems

United Kingdom Space UF: Oscillations

Agency BT: Circuits and systems

Organobromine compounds RT: Circuits
Damping

Damping Klystrons Lasers

NT:

USE:

Oscillations

Oscillators

oscillators

Organs (biological)

USE:

USE: Biological systems

Resonant frequency Vibrations

Vibrations
Digital-controlled

Orientation control oscillators

USF: Position control

Bromine compounds

Injection-locked

Orientation determination

Orientation measurement

USE: Position measurement

Local oscillators Microwave oscillators

> Phase noise Ring oscillators Voltage-controlled

USE: Position measurement oscillators

Orifices

BT: Mechanical products Oscilloscopes

UF: Cathode-ray

Ormosils oscilloscopes

USE: Organic inorganic BT: Instruments

hybrid materials RT: Electric variables

measurement

Orthogonal frequency division multiple

access

USE: OFDM OSHA

USE: Occupational safety

Test equipment

Orthogonal frequency division

multiplexing

USE: OFDM USE: Open systems

Orthopedic procedures Osmium

BT: Medical treatment BT: Chemical elements



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Page 386

OSI

RT: Network topology Transport protocols

Osmosis BT: Chemical processes

NT: Electro-osmosis OWA

USE: Open wireless

Osteoarthritis architecture

Bone diseases BT:

Osteoporosis UF: Web ontology language

BT: Bone diseases Markup languages BT: RT: Cancellous bone Semantic Web

OWL

RT: Knowledge

OTFT representation

Oxidation transistors

Organic thin film

BT: Chemical processes Otologic surgery RT:

Materials Oncological surgery NT: Combustion

Out of order 0xygen

> UF: 000 BT: Chemical elements

Instruction sets Gases

RT: Pulse oximetry

Outlier detection USE: Anomaly detection **Ozonation**

UF: Ozone treatment

Output feedback BT: Wastewater treatment BT: Feedback circuits RT: Environmental factors

Pollution control

Output power

USE:

BT:

Power generation Ozone generators USE:

USE: Discharges (electric)

Outsourcing

BT: Management Ozone treatment

RT: USF: Ozonation Crowdsourcing

Ovens Ozonizers

> BT: Home appliances Discharges (electric) USE:

Microwave ovens NT:

P-I-N Overflow oscillations USE:

PIN photodiodes USE: Finite wordlength

P-i-n diodes effects

BT: Semiconductor devices

Overhead distribution lines Semiconductor diodes

Power distribution USF: RT: CMOSFET logic devices

Electrooptic

modulators

Overhead transmission lines Vertical cavity

USE: Power transmission surface emitting lasers

lines

lines

P-n junctions

Overlay networks BT: Junctions

Light emitting diodes BT: RT: Computer networks



Photodiodes USE: Packet radio networks

Semiconductor diodes

Packet radio networks

Packet radio P1394 UF:

> USE: IEEE 1394 Standard BT: Radio communication

Packet switching P2MP

> USE: Communication Point-to-multipoint BT:

communications switching

ARPANET RT: P2P

Data transfer

USE: Peer-to-peer computing IEEE 802.3 Standard Next generation

P802.11 networking

USE: IEEE 802.11 Standard Burst switching NT:

Frame relay Multiprotocol label

PAAS USE: Platform as a service switching

Packet loss

Pacemakers

BT: Biomedical equipment Pacs

RT: Picture archiving and Cardiology USE:

communication systems

Packaging

NT:

Industry applications Paediatrics BT:

RT: USE: **Pediatrics** Filling

Leak detection

Packaging machines Page description languages

Seals UF: Postscript Bagging BT: Markup languages

Bottling RT: Desktop publishing Canning High level languages Encapsulation

Food packaging Paging systems

BT: Land mobile radio Labeling

Multichip modules cellular systems

Plastic packaging RT: Wireless communication

Wrapping

Pain Packaging machines

BT: Injuries BT: Production equipment NT: Ischemic pain

RT: Neuropathic pain Bagging

> Bottling Labeling **Painting**

Surface finishing Packaging BT:

Surface treatment Wrapping

Coatings RT:

Packet loss Paints

BT: Loss measurement Packet switching **Paints**

RT: BT: Chemical products Data communication

Noise measurement Coatings

Materials

Packet radio Tnk RT:



Lacquers

Painting Paper electronics

> USE: Organic electronics

> > Pulp and paper

Pair-wise error probability

USE: Pairwise error

probability USE: Pulp and paper

industry

Paper industry

Pairwise correlations

probability

Pallets

USE: Pairwise error Paper making

probability BT:

industry

Bleaching Pairwise error probability RT:

Pair-wise error Paper making machines UF: Paper products

Paper pulp Pairwise correlations BT:

Paper technology Probability Pulp manufacturing

Palladium Spinning machines BT: Metals

Paper making machines

Palletising BT: Production equipment

Pulp and paper USE: Pallets

industry

Palletizing RT: Paper making USE:

Pallets Paper products Paper pulp Paper technology

UF: Palletising Pulp manufacturing Spinning machines Palletizing

Materials handling BT:

RT: Containers Paper mills Load management BT: Production facilities

Pulp and paper

Palm print recognition industry

USE: Palmprint recognition RT: Industrial plants

Paper products Palmprint identification Paper pulp

USE: Palmprint recognition Pulp manufacturing Spinning machines

Palmprint recognition

UF: Palm print recognition Paper products

Palmprint BT: Manufactured products

identification RT: Paper making

BT: Biometrics (access Paper making machines

Paper mills control) Identification of RT: Paper pulp

Paper technology persons

Pulp and paper

Palmtop computers industry USE: Personal digital

assistants Paper pulp

BT: Manufactured products

Pancreas

Materials Paper making Digestive system RT: BT:

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Paper making machines

Paper mills Paper products Pulp and paper

industry

Pulp manufacturing

Paper technology

BT: Industry applications

RT: Paper making

Paper making machines

Paper products Pulp and paper

industry

PAPR

USE: Peak to average power

ratio

Paraelectric materials

USE: Dielectric materials

Parallel algorithms

BT: Algorithms

Parallel processing

Parallel architectures

BT: Computer architecture RT: Parallel machines

Parallel processing

Multicore processing NT:

Parallel computing

USE: Parallel processing

Parallel languages

BT: High level languages

RT: Multiprocessing

systems

Parallel processing

Parallel programming

Parallel machines

BT: Computers

RT: Parallel architectures

Parallel processing

Parallel processing

UF: Array processing

Parallel computing

Parallelism

BT: Computers and

information processing

Cluster computing

Concurrency control

Digital computers Parallel architectures Parallel languages

Parallel machines Parallel programming

NT: Multiprocessing

systems Multithreading

Parallel algorithms Pipeline processing

Parallel processor interconnection

USE: Multiprocessor

interconnection

Parallel programming

BT: Programming RT: Multiprocessing

systems

Parallel languages Parallel processing

Parallel robots

BT: Robots

Parallelism

USE: Parallel processing

Paramagnetic materials

BT: Magnetic materials RT: Paramagnetic resonance

Paramagnetic resonance

BT: Magnetic resonance RT: Paramagnetic materials

Parameter estimation

Parameter UF:

identification

BT: Signal analysis

Statistical analysis

RT: Control systems

Power system analysis

computing Spectral analysis

NT:

Amplitude estimation

Direction-of-arrival

estimation

Frequency estimation Motion estimation Phase estimation Time of arrival

estimation



multiobjective

Parameter extraction

BT: Electromagnetic

measurements

RT: Bipolar transistor

circuits

Very large scale

integration

Parameter identification

USE: Parameter estimation

Parameter uncertainty

USE: Uncertain systems

Parametric model

USE: Parametric statistics

Parametric statistics

UF: Parametric model

BT: Statistics

Parametric study

BT: Multitasking

RT: Optimization

Parasitic capacitance

BT: Capacitance

Parasitic diseases

BT: Diseases

Parasympathetic nervous system

BT: Autonomic nervous

system

Pareto analysis

BT: Statistical analysis RT: Cause effect analysis

Quality management

NT: Pareto optimization

USE: Pareto optimization

Pareto optimization

Pareto optimisation

UF: Multi-objective

programming

Multiattrubute

optimization

Multiobjective

programming

Pareto optimisation

Vector optimization

......

BT: Optimization methods

Pareto analysis

RT: Genetic algorithms

Parietal lobe

programming

BT: Brain

Parity check

USE: Codes

Parity check codes

UF: LDPC

Ldpc codes

Low density parity

check codes

Parity-check codes

BT: Codes RT: Decoding

NT: Iterative decoding

Parity-check codes

USE: Parity check codes

Parkinson's disease

BT: Diseases

Parotid

USE: Salivary glands

Partial differential equations

BT: Differential equations

RT: Boundary value

problems

Fourier transforms

NT: Boundary element

methods

Poisson equations

Partial discharge measurement

BT: Electric variables

measurement

RT: Electrical safety

Insulation life
Insulation testing
Optical fiber sensors

Partial discharges

BT: Dielectric breakdown

RT: Corona

Partial response channels

BT: Communication channels



Stimulated emission

Partial response signaling

Digital modulation

Particle beams

UF: Accelerator beams

> Neutron beams Proton beams

BT: **Beams**

Elementary particles

RT: Colliding beam

accelerators

Laser theory

Particle accelerators Particle beam handling

Particle beam

injection

Particle beam

measurements

Particle beam optics

Storage rings Synchrotrons Atomic beams

NT: Electron beams

Ton beams

Particle charging

BT: Electrostatic

processes

RT: Semiconductor

detectors

Particle collisions

BT: Elementary particles

Particle detectors

USF: Radiation detectors

Particle filters

BT: Filters

Particle measurements

UF: Particulate

measurements

BT: Measurement RT: Current density

High energy physics

instrumentation computing

Position sensitive

particle detectors

Particle physics

USE: High energy physics

Particle production

BT:

Partial transmit sequences

OFDM BT:

Particle accelerator

USE: Linear particle

accelerator

Particle accelerators

NT:

Nuclear and plasma BT:

sciences

Colliding beam devices RT:

Large Hadron Collider

Particle beams

Voltage multipliers

Accelerator magnets

Colliding beam

accelerators

Cyclotrons

Electron accelerators Ion accelerators Linear accelerators Photon collider

Plasma accelerators

Proton accelerators Storage rings Synchrocyclotrons

Synchrotrons

Particle beam handling

BT: Nuclear and plasma

sciences

RT: Particle beams

Particle beam injection

Injected beams UF:

Nuclear and plasma BT:

sciences

RT: Particle beams

Particle beam measurements

BT: Measurement

RT: Particle beams

Particle beam optics

UF: Ion optics BT: **Optics**

RT: Electrodynamics

Particle beams

NT: Atom optics

Electron optics



BT: Electrostatic RT: Baseband

processes

RT: Aerosols Passivation

Spraying BT: Surface treatment RT: Corrosion

BT:

Remote sensing

Optical fiber networks

Particle scattering

BT: Scattering Passive circuits

RT: Scanning electron BT: Circuits

microscopy

Passive filters
Particle separators

BT:

separatorsBT:Passive networksUF:SeparatorsRT:Filters

UF: Separators RT: Filters
BT: Separation processes

RT: Magnetic separation Passive microwave remote sensing

Particle swarm

USE: Particle swarm Passive networks

optimization BT: Telecommunication

network topology

Particle swarm optimization NT: Passive filters

UF: Particle swarm

Particle-swarm Passive optical networks optimization UF: PON

Swarm intelligence Passive-optical-

Swarm optimization network

BT: Evolutionary BT:

computation RT: EPON RT: Artificial bee colony

algorithm Passive radar

Fireworks algorithm BT: Radar

Stochastic processes RT: Radar detection Radar imaging

Particle tracking

BT: Nuclear measurements Passive RFID tags

RT: High energy physics BT: RFID tags

instrumentation computing

Tracking Passive-optical-network

USE: Passive optical

Particle-swarm optimization networks

USE: Particle swarm

optimization Password

Particles (elementary)

BT: Access control
Computer security

Florest and the second second

USE: Elementary particles RT: Authentication

Particulate measurements Patch antennas

USE: Particle measurements BT: Antennas

RT: Microstrip antennas

Partitioning algorithms

BT: Algorithms Patent law

BT: Law

Passband

BT: Digital communication Patents

Radio communication BT: Legal factors



RT: Intellectual property RT: Surface reconstruction

US Government agencies

Pattern classification

Path planning UF: Signal classification UF:

piano mover's problem BT: Decision making BT: Motion control Feature extraction RT: RT:

Course correction Nearest neighbor methods

Indoor navigation Vehicle routing

Neural networks NT: Pattern recognition Trajectory

> Trajectory tracking Support vector

machines **Pathogens**

UF: Germs Pattern clustering

> BT: Diseases BT: Clustering methods Image reconstruction RT:

Nearest neighbor Pathological

USE: methods Pathology

Pattern matching Pathological processes Signal analysis BT: Pathology Signal detection NT:

Cadaver Signal processing Death

Pattern formation **Pathology** BT:

Process design UF: Pathological RT: Chaos

BT: Medical specialties Nonlinear dynamical

RT: Autopsy systems

Neuropathology Nonlinear optics NT: Pathological processes

Spatiotemporal phenomena

Patient diagnosis USE: Medical diagnosis Pattern matching

BT: Pattern recognition Patient identification RT: Pattern clustering

USE: Medical treatment Spatiotemporal

phenomena Patient monitoring Image matching NT:

BT: Monitoring RT: Chemotherapy Pattern recognition

Electronic medical UF: Image pattern

recognition Point of care BT: Computers and

information processing

Patient rehabilitation RT: Automatic optical

Medical treatment BT: inspection

RT: Rehabilitation Computer vision robotics

Feature extraction Feedforward neural Patient treatment networks

Medical treatment USE: Hidden Markov models

Learning systems Pattern analysis Machine vision

Pattern classification BT: Machine intelligence



records

Principal component Proportional

analysis derivative control

Proportional plus

systems derivative control

Proportional-

Control systems

Personal digital

Personal digital

Robot vision systems Shape

derivative control

USE:

Spatiotemporal

Publish subscribe

Proportional-integral-

phenomena

NT:

Statistical learning

derivative BT:

Symbols

Active shape model

PDA Activity recognition

Character recognition assistants

Clustering methods

Data mining

Face recognition

USE:

format

PDAs

Fingerprint assistants

recognition

Gesture recognition PDF

Handwriting

USE: Portable document

recognition

methods

Payloads

Pb

PCM

Nearest neighbor

Peace technology

Pattern matching

Social implications of BT:

Speech recognition technology

Text recognition

Peak signal to noise ratio

USE: **PSNR**

PSNR

Military aircraft BT:

Space technology

Peak signal-to-noise ratio MODIS

NT:

Peak to average power ratio

USE:

USE: Lead UF: **PAPR**

Peak-to-average power

PCAratio

> USE: Principal component Peak-to-average ratio

BT: OFDM analysis

PCG Peak-to-average power ratio

USE: Phonocardiography USE: Peak to average power

ratio

USE: Phase change materials Peak-to-average ratio

USE: Peak to average power

PCRAM ratio

Phase change random access memory **Pediatrics**

UF:

Babies PD control Baby UF: PID control Child

Proportional + Children derivative control Infant

Infants



USE:

Newborns Pen test

Paediatrics USE: Toddler

Medical specialties BT:

RT: Neonatology

Peer to peer communications

USE: Peer-to-peer computing

Peer to peer computing

USE: Peer-to-peer computing

Peer to peer exchange

USE: Peer-to-peer computing

Peer to peer network

USE: Peer-to-peer computing

Peer-to-peer communications

USE: Peer-to-peer computing

Peer-to-peer computing

UF: File sharing

P2P

Peer to peer

communications

Peer to peer computing

Peer to peer exchange Peer to peer network

Peer-to-peer

communications

Peer-to-peer exchange

Peer-to-peer network

BT: Computer networks

Distributed computing

RT: Cluster computing

Distributed ledger

Workstations

Peer-to-peer exchange

USE: Peer-to-peer computing

Peer-to-peer network

USE: Peer-to-peer computing

Peltier effect

BT: Thermoelectricity

Pelvic bones BT:

Bones

Pelvis

BT: Body regions

Penetration testing

Penetration testing

UF: Pen test

BT: Computer security

Pensions

UF: Occupational pensions

> Personal pensions Stakeholder pensions

State pensions

BT: Remuneration

RT: Employee welfare

Termination of

employment

Pentacene

BT: Organic semiconductors

Peptides

BT: Biochemistry

Perfectly matched layers

BT: Propagation

RT: Finite difference

methods

Finite element

analysis

Maxwell equations

Performance analysis

Dynamic program UF:

analysis

Performance index

BT: Programming RT: Optimization NT: Performance gain

Performance evaluation

BT: Measurement

RT: Benchmark testing

NT: Key performance

indicator

Performance gain

BT: Performance analysis

Performance index

USE: Performance analysis

Performance loss

BT: Computer performance



Performance measurement Permanent-magnet

> USE: Measurement motors BT: Motors

Performance metrics RT:

Permanent magnet USE: Measurement machines

Permanent magnet synchronous machines Performance optimisation

USE: Optimization USE: Permanent magnet

Magnets

machines Performance optimization

USE: Optimization Permanent magnet synchronous motors

USE: Permanent magnet

Performance related pay motors

Incentive schemes USE:

Permanent magnets Perineum BT:

BT: Body regions RT: Magnetic gears

Permanent magnet Periodic media machines

USE: Nonhomogeneous media Remanence

Periodic structures Permanent-magnet generators

Materials science and BT: USF: Permanent magnet

technology motors

> Gratings NT: Photonic crystals Permanent-magnet motors

USE: Permanent magnet

Peripheral equipment motors

Computer peripherals USE: Permeability

Peripheral nervous system UF: Magnetic permeability

> BT: Nervous system BT: Electromagnetic

analysis

Permanent magnet generators RT: Magnetic materials BT:

Permanent magnet Permeability machines measurement

Permanent magnet machines Permeability measurement

Permanent magnet UF: BT: Magnetic variables

synchronous machines measurement

RT:

BT: Electric machines Permeability

Rotating machines Permission

Permanent magnet motors UF: Access rights

Permanent magnets File system

NT: Permanent magnet permissions

generators BT: Computer security

Permanent magnet motors Permittivity

Electric variables UF: Permanent magnet BT: RT: Dielectric constant synchronous motors

Permanent-magnet Dielectric materials

generators Permittivity

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measurement

ZigBee

Permittivity measurement

BT: Dielectric measurement

RT: Permittivity

Perpendicular magnetic anisotropy

BT: Magnetic anisotropy

Perpendicular magnetic recording

UF: Vertical recording
BT: Magnetic recording

RT: Disk drives

Perpendicular recording

USE: Magnetic recording

Persistent currents

BT: Current

RT: High-temperature

superconductors

Superconducting

magnets

Persistent identifiers

BT: Data structures RT: Digital systems

Information retrieval

Personal area networks

UF: Piconets

Scatternets

BT: Radio communication RT: Computer networks

Data communication
Land mobile radio
Personal communication

networks

Wireless LAN

ZigBee

NT: Bluetooth

Body area networks Body sensor networks Wireless personal area

networks

Personal communication networks

BT: Communication systems

RT: Digital systems

IEEE 802.15 Standard

Land mobile radio

cellular systems

Location awareness

Mobile handsets

Personal area networks

Personal computers

USE: Microcomputers

Personal digital assistants

UF: PDA

PDAs

Palmtop computers

BT: Handheld computers

Personal pensions

USE: Pensions

Personnel

BT: Human resource

management

RT: Appraisal

Bring your own device

Education

Employment

Equal opportunities

Management Productivity Training

NT: Labor resources

Personnel monitoring

USE: Radiation monitoring

Persuasive systems

BT: Decision making

Social computing

RT: Behavioral sciences

Human factors

Man-machine systems

Psychology

Perturbation methods

UF: Perturbation

techniques

BT: Approximation methods NT: Cavity perturbation

methods

Perturbation techniques

USE: Perturbation methods

Pervasive computing

UF: Everyware Ubicomp

BT: Computers and

information processing



Oil pollution Systems, man, and

cybernetics

RT: Artificial

intelligence

Context awareness

Next generation

networking

Ubiquitous computing NT:

Wearable computers

Pest control

UF: Insect control

Vermin control

BT: Environmental

management

Agriculture RT:

Hazards

PET

Positron emission USE:

tomography

Petascale computing

Computers and BT:

information processing

RT:

Supercomputers

Petri nets

BT: System analysis and

design

Discrete-event systems RT:

Modeling

Petrochemicals

BT: Chemical products

Materials

RT: Chemical industry

> Chemistry Fuels

Petroleum

Petroleum industry

Plastic products

Plastics

Petrol

Petroleum USF:

Petroleum

UF: Gasoline

Petrol BT: Chemical products

Fuels

RT: Fuel processing industries

0ils

Petrochemicals

Petroleum industry

NT: Hydrocarbons

Petroleum industry

Oil industry UF: BT: Industries

RT: Chemical industry

> Fractionation Fuel processing

industries

Gas industry

Natural gas industry Offshore installations

Oil pollution

0ils

Petrochemicals Petroleum

Pipelines

Oil drilling NT:

Oil refineries

Well logging

PFD

USE: Phase frequency

detector

PGA

USE: Electronics packaging

pH measurement

BT: Chemical analysis

Measurement

Phantoms

Biomedical imaging BT:

Dosimetry RT:

Positron emission

tomography

Single photon emission

computed tomography

X-ray applications

X-ray detection X-ray imaging

Pharmaceutical technology

Chemical technology BT:

RT: Biochemistry Chemistry

Pharmaceuticals

Pharmaceuticals



BT: Chemical products

Medical treatment

RT: Biochemistry

Chemistry Pharmaceutical

technology

NT: Drugs

Pharynx

BT: Digestive system RT: Stomatognathic system

Phase change materials

UF: PCM BT: Materials RT: Memory

> Nuclear thermodynamics Optical materials Phase change memory Solar heating

Phase change memory

BT: Memory

RT: Phase change materials

Resistive RAM

NT: Phase change random

access memory

Phase change RAM

USE: Phase change random

access memory

Phase change random access memory

UF: **PCRAM**

> Phase change RAM Phase-change RAM

Phase-change random

access memory

BT: Phase change memory

Random access memory

Phase control

Phase-control UF: BT: Power electronics

Electric variables RT:

control

Optical variables

control

detector

Phase transformers

Phase detection

BT: Signal detection

NT: Phase frequency Phase distortion

Distortion BT: RT: Delay effects

Phase estimation

Parameter estimation BT:

Phase frequency detector

UF:

BT: Phase detection

RT: Frequency measurement

> Measurement Voltage

Voltage control

Phase locked loops

UF:

Phase locked-loops Phase-locked loops Phase-locked-loops

BT: Linear feedback

control systems

Signal processing

RT: Frequency locked loops

Modulation

Nonlinear filters

Phase Locked-Loops

Phase locked loops USF:

Phase measurement

BT: Measurement

RT: Acoustic measurements

Electric variables

measurement

modulators

shift keying

Optical variables

measurement

Phase modulation

BT: Modulation RT: Demodulation

Electrooptic

Continuous phase NT:

modulation

Differential phase

Phase shift keying

Phase noise

BT: Noise

Oscillators

RT: Time-domain analysis



Phase-shift-keying

USE: Phase shift keying

Phase shift keying

UF:

Phase-shift keying Phase-shift-keying

OPSK

BT: Phase modulation Binary phase shift NT:

keying

Quadrature phase shift

keying

Phase shifters

BT: Circuits

RT: Butler matrices

Phase transformers NT:

Phase shifting interferometry

Interferometry BT:

Phase transformations, nuclear

USE: Nuclear phase

transformations

Phase transformers

BT: Phase shifters

Transformers

RT: Circuits

Phase control

Phase transitions, nuclear

USE: Nuclear phase

transformations

Phase-change RAM

USE: Phase change random

access memory

Phase-change random access memory

USE: Phase change random

access memory

Phase-control

Phase control USE:

Phase-Locked Loops

USE: Phase locked loops

Phase-Locked-Loops

USE: Phase locked loops

Phase-shift keving

USE: Phase shift keying Phased arrays

UF: Antenna phased arrays

BT: Antenna arrays Optical arrays RT:

Phasor measurement units

UF: PMU **PMUs**

BT: Electric variables

measurement

PHEMTS

Pseudomorphic HEMTs UF:

BT: **HFMTs**

Philosophical considerations

BT: Social implications of

technology

Econophysics RT:

> Ethical aspects Ouantum mechanics Social factors Technology

Technology social

factors

Phishing

BT: Computer security

Information security

RT: Malware

РНМ

USE:

Prognostics and health

management

Phonetics

BT: Linguistics

RT: Natural language

processing

Semiotics

Speech processing

Acoustic phonetics NT:

Phonocardiogram

USE:

Phonocardiography

Phonocardiography

BT:

UF: PCG

Phonocardiogram

Cardiography

Biomedical monitoring RT:



Cardiology

Heart rate measurement Photoconducting devices

BT: Optoelectronic devices

Phonographs RT: Photoconducting

USE: Audio systems materials

Photoconductivity
Photodetectors

BT: Elementary particles Semiconductor devices

RT: Acoustics NT: Electrophotography

Crystals

Phonons

Phosphors

Electrons Photoconducting materials

Indium phosphide UF: Photoconductors

BT: Materials

Phosphorescence RT: Photoconducting

BT: Luminescence devices

RT: Phosphors Photoconductivity Photodetectors

Photodetectors Semiconductor

BT: Light sources materials
RT: Phosphorescence

Photoconductivity

PhosphorusUF:PhotocurrentBT:Chemical elementsBT:Conductivity

Photoacoustic effects RT: Photoconducting devices

UF: Optoacoustic effects Photoconducting

BT: Spectroscopy materials

RT: Acoustic testing

Laser applications Photoconductors

Photothermal effects USE: Photoconducting

NT: Photoacoustic imaging materials

Photoacoustic imaging Photocurrent

BT: Biomedical imaging USE: Photoconductivity

Photoacoustic effects

Photodarkening

Photobleaching
BT: Photochemistry
USE: Photochromism

Photodetector

Photocathodes USE: Photodetectors

USE: Cathodes

Photochemistry UF: Photodetector

BT: Chemistry BT: Optoelectronic devices

RT: Water splitting Radiation detectors

Photodetectors

i: water spiriting kadiation detectors

NT: Photobleaching RT: Image sensors

Infrared detectors

Photochromism Optical signal

UF: Photodarkening detection

BT: Photonics Photoconducting

RT: Color devices

Photocomposition Photocomposition Photocomposition

USE: Text processing Photoelectricity



NT: Photodiodes Photomicrography

Phototransistors

Superconducting Photoionisation

photodetectors USE: Ionization

Photodiodes Photoionization

> Tonization BT: Photodetectors USF:

RT: Optical transmitters

P-n junctions Photolithography NT: Avalanche photodiodes USE: Lithography

PIN photodiodes

Photoluminescence

Photoelasticity UF:

> BT: Mechanical factors Electrophotoluminescence RT: Optical polarization Luminescence

Piezooptic effects Optics 0

Stress RT:

Judd-Ofelt theory Microcavities

Photoelectricity Photomagnetic devices UF: Photoemission

Phototubes USE: Magnetooptic devices

Electricity BT:

Photomagnetic effects Electron devices Magnetooptic effects RT: Electron emission USE:

Photodetectors **Photometry** Photomultipliers

Photovoltaic cells BT: Geoscience and remote

NT: Photovoltaic effects sensing

Optical variables

Photoelectron microscopy measurement

Photoemission electron UF: Light sources RT: microscopy

Lighting Radiometry BT: Electron microscopy

Photoemission Photomicrographs

USE: Photoelectricity USE: Photomicrography

Photomicrography Photoemission electron microscopy

Photoelectron Micrographs

Microphotographs microscopy

Microphotography Photomicrographs Photogalvanic effects

Photovoltaic effects USE: BT: Photography

Photography Photomultipliers

> BT: **Imaging** BT: Vacuum technology RT: RT: Avalanche photodiodes Cameras

Electrophotography Electron multipliers Image capture Photoelectricity Image storage

UF:

Optical filters Photon collider

NT: Cinematography BT: Particle accelerators Digital photography

> Image forensics Photon crystal fibers



USE:

USE: Photonic crystal Photonic cyrstal

Photon crystal fibres

USE: Photonic crystal

fibers

Photonic band gap

BT:

RT:

fibers

UF: Band gap Band-gap

Bandgap

Photonic bandgap Photonic crystals Electromagnetic wave

polarization

Optical diffraction

Photonic bandgap

USE: Photonic band gap

Photonic bandgap fibers

Photonic bandgap UF:

fibres

Photonic crystal BT:

fibers

Photonic bandgap fibres

USE: Photonic bandgap

fibers

Photonic crystal fibers

UF: Microstructured fibers Microstructured fibres

Photon crystal fibers Photon crystal fibres

Photonic crystal

fibres

Photonic-crystal

fibers

Photonic-crystal

fibres

BT: Photonic crystals

NT: Holey fibers Photonic bandgap

fibers

Photonic crystal fibres

Photonic crystal USE:

fibers

Photonic crystals

UF: 2-D photonic crystals

2D photonic crystals

fibers

Two dimensional

photonic crystals

Two-dimensional

photonic crystals

BT: Periodic structures RT: Microwave devices Nonlinear optics Optical materials Optical waveguides Spontaneous emission

Photonic band gap NT:

Photonic crystal

fibers

Photonic cyrstal fibers

USE: Photonic crystals

Photonic integrated circuits

BT: Integrated circuits

Photonic metamaterials

USE: Optical metamaterials

Photonic-crystal fibers

USE: Photonic crystal

fibers

Photonic-crystal fibres

USE: Photonic crystal

fibers

Photonics

Lasers and BT:

electrooptics

Electromagnetic RT:

metamaterials

Epitaxial growth

Silicon devices

Synapses

Biophotonics NT:

> Microwave photonics Nanophotonics Photochromism

Photothermal effects Silicon photonics Spontaneous emission

Photoplethysmography

BT: Biomedical measurement

Photoreceptors

BT: Neurons



NT: Shunts (electrical)

Photorefractive effect

BT: Nonlinear optics Photovoltaic power systems RT:

Birefringence Optical refraction

Photorefractive

materials

Refractive index systems

Photorefractive materials

BT: Optical materials RT: Birefringence

Holography Optical mixing Optical refraction Photorefractive effect

Photoresists

USE: Resists

Photothermal effects

Optothermal effects UF:

Thermal wave imaging

Photonics BT:

RT: Photoacoustic effects

Photothyristors

UF: Optothyristors BT: Thyristors

RT: Optical switches

Phototransistors

BT: Photodetectors

Transistors

RT: Optoelectronic devices

Radiation detectors

Phototubes

Photoelectricity USE:

Photovoltaic cells

Solar cells UF:

BT: Electron devices

Energy conversion Photoelectricity RT:

> Photovoltaic effects Photovoltaic systems

NT: Light trapping

Photovoltaic effects

UF: Photogalvanic effects

BT: Photoelectricity

RT: Photovoltaic cells Photovoltaic systems

USE: Photovoltaic systems

Photovoltaic systems

UF: Photovoltaic power

BT: Solar power generation RT: Hybrid power systems Photovoltaic cells Photovoltaic effects

Water pumps

NT: Building integrated

photovoltaics

Fill factor (solar

cell)

Solar panels

Phylogenetic tree

USE: Phylogeny

Phylogenetics

USE: Phylogeny

Phylogeny

UF: Cladistics

> Phylogenetic tree Phylogenetics

BT: Evolution (biology)

Physical design

BT: System analysis and

design

layout

Systems engineering

and theory

RT: Integrated circuit

Physical distribution management

USE: Logistics

Physical layer

BT: Open systems Physical layer NT:

security

Physical layer security

BT: Physical layer

Physical optics

BT: Optics 0

NT: Optical refraction Optical vortices



Physical theory of diffraction control

Electromagnetic

Proportional-integral

PI control

Chemistry

Pico-hydro

Pacs

Biomedical

Path planning

Surface treatment

Picohydro power

Hydroelectric power

Appropriate technology

Personal area networks

Image communication

Biomedical computing

Biomedical imaging

Videophone systems

Image processing

diffraction

BT:

controller

Proportional-integral

Proportional-integralderivative control

PI controller

Pickling

Pico-hydro

generation

Physician Medical services USE:

Proportional-integral-

derivative controller

USE:

piano mover's problem

USE:

BT:

RT:

USE:

UF:

BT:

RT:

USE:

UF:

BT:

RT:

USE:

Picture processing USE:

communication

Picture phones

Picohydro power

BT: Control systems

Physics

BT: Science - general

RT: Buoyancy

NT: Acoustics

Astrophysics

Beams

Biophysics

Dark energy

Entropy

Fluid flow Geophysics

High energy physics

Kinetic theory

Levitation

Lorentz covariance Mechanical factors

Network theory

(graphs)

Physics education

Quantum mechanics Solid-state physics

String theory

Thermal factors

Waves

Picture archiving and communication systems

Piconets

Computer applications

BT:

Physics education

Physics computing

Engineering education BT:

Physics

Physiology

Biology BT:

NT: Action potentials

External stimuli

Neuromodulation

PhysiStimuli

USE: External stimuli Picturephones

PID control

USE: Videophone systems

PD control

PI control

UF: PI controller

Proportional +

USE:

integral control

Piecewise linear approximation



BT: Piecewise linear

techniques Piezoelectric devices

Piezoelectricity Piecewise linear techniques NT: Piezoelectric films

> Mathematics RT: Control system Piezoelectric polarization

analysis BT: Piezoelectricity

Control system

synthesis Piezoelectric transducers Difference equations BT: Transducers

Nonlinear control

Piezoelectricity systems

BT:

Piecewise linear UF: Piezoelectric effects

approximation BT: Electricity Ultrasonics,

Piezoceramics ferroelectrics, and frequency control

Piezoelectric USF: RT: Electrostriction materials

Piezoelectric devices Piezoelectric films Piezoelectric

Piezoelectric actuators BT: Actuators materials

Piezoresistance Piezoelectric devices Pyroelectricity

Dielectric devices Stress BT: RT:

Acoustic devices Ultrasonic transducers Acoustoelectric Piezoelectric effect NT:

devices Piezoelectric Nanogenerators polarization

Piezoelectric films

Piezoelectric Piezomagnetic effects

materials USE: Magnetomechanical

Piezoelectricity effects

Piezoresistive devices Piezooptic effects Surface acoustic wave

devices BT: Acoustooptic effects

RT: Photoelasticity Piezoelectric effect Pressure effects

BT: Piezoelectricity Stress

Piezoelectric effects Piezoresistance

USE: Piezoelectricity UF: Piezoresistive BT: Electric variables

Piezoelectric films Resistance

BT: Dielectric films RT: Piezoelectricity Films Piezoresistive devices

Piezoelectric Pressure effects

Stress materials Piezoelectric devices RT:

> Piezoelectricity Piezoresistive

USE: Piezoresistance Piezoelectric materials

UF: Piezoceramics Piezoresistive devices

> BT: Dielectric materials UF: Piezoresistors

Acoustic materials BT: Semiconductor devices RT:



RT: Piezoelectric devices

Piezoresistance

Pressure measurement

Pipelining

USE: Pipeline processing

Piracy (software)

Pistons

BT:

Pitch control (audio)

Piezoresistors Piezoresistive devices USE:

USE: Computer crime

Pigmentation

BT: Color

Materials science and

RT: Bellows

technology

NT:

Engine cylinders

Machine components

Mechanical products

Engines Gaskets

Shafts

Pigments

BT: Pigmentation

Pigments

Structural rings

PIN diodes

PIN photodiodes USE:

BT: Audio systems

Variable speed drives

Pin grid arrays

PIN photodiodes

USE: Electronics packaging Pitch control (position)

Mechanical variables BT:

control

P-I-N UF:

PIN diodes

Photodiodes BT:

Pituitary gland BT:

BT:

Glands

Nervous system

Pink noise

1/f noise USE:

Pixel

PLA

Digital images

Pins

BT: Plugs

USE:

Programmable logic

Pions

USE: Mesons

Plagiarism

arrays

Pipeline processing

BT:

RT:

UF: Computer pipeline communication

BT:

RT:

processing

Pipelining

Copyright protection Notice of Violation

Parallel processing Multiprocessing

Publishing

Professional

systems

Systolic arrays

Planar antennas

USE: Planar arrays

Pipelines

Fluid flow BT:

Planar array USE:

Planar arrays

RT: Chemical industry

Magnetic flux leakage

Planar arrays UF:

Materials handling

Planar antennas Planar array

Natural gas industry 0ils

BT: Antenna arrays

Petroleum industry

Planar motors



BT: Electric motors USE: Planetary volcanoes

Planar transmission lines

BT: Transmission lines

RT: Spurline

Coplanar transmission NT:

lines

Finline

Microstrip Slot lines

Stripline

Planar waveguides

BT: Electromagnetic

waveguides

Rectangular waveguides RT:

Planarisation

Planarization USE:

Planarization

Chemical mechanical UF:

planarisation

Chemical mechanical

planarization

Planarisation

BT: Surface treatment RT: Dielectric films

Integrated circuits

Planetary chemistry

USE: Astrochemistry

Planetary composition

USE: Extraterrestrial

measurements AND

Planets

Planetary landers

USE: Land transportation

AND

Space vehicles

Planetary oceans

Oceans AND USE:

Planets |

Planetary orbits

BT: **Orbits**

Planetary volcanic activity

USE:

Planetary volcanoes

Planetary volcano

Planetary volcanoes

UF: Planetary volcanic

activity

Planetary volcano

BT: Volcanoes

Planets

UF: Planetary composition

Planetary oceans

BT: Solar system RT: Extraterrestrial

phenomena

Farth NT:

> Jupiter Mars

Mercury (planets)

Pluto Saturn Venus

Planing

Machining BT:

RT: Finishing

Surface roughness Surface treatment

Planning

UF: System planning

Engineering management BT:

RT: Decision making

Economics

NT: Meeting planning

Schedules

Strategic planning Technical planning Technology planning

Plants (biology)

BT: Organisms RT: Life sciences

NT: Bamboo

Plants (industrial)

USF: Industrial plants

Plasma accelerators

BT: Particle accelerators

Plasma devices

Plasma applications

BT: Plasmas



RT: Low-temperature

plasmas

Plasma displays

Plasma materials

processing

Plasma devices NT:

Plasma immersion ion

implantation

Plasma welding

Tokamaks

Plasma chemistry

BT: Plasma properties

Plasma confinement

BT: Plasmas

NT: Inertial confinement

Magnetic confinement

Plasma density

BT: Plasma properties

Plasma devices

Plasma applications BT:

RT: Gas discharge devices

Plasmas

NT: Plasma accelerators

> Plasma jets **Tokamaks**

Plasma diagnostics

BT: Plasmas

RT: Plasma measurements

Plasma display panels

USE: Plasma displays

Plasma displays

UF: Plasma display panels

BT: Image generation

RT: Plasma applications

Plasma immersion ion implantation

Ion implantation BT:

Plasma applications

Semiconductor RT:

impurities

Plasma jets BT: Plasma devices

RT: Metal cutting tools

Propulsion

Plasma materials processing

BT: Materials processing

Plasma applications RT:

NT: Chemical vapor

deposition

Ignition

Plasma measurements

BT: Measurement

RT: Plasma diagnostics

Plasmas

Plasma properties

BT: Plasmas

RT: Electron mobility

Stability analysis

NT: Dusty plasmas

Plasma chemistry Plasma density Plasma sheaths Plasma stability Plasma temperature

Plasmons

Plasma sheaths

BT: Plasma properties

Plasma simulation

BT: Plasmas RT: Modeling

Numerical simulation

Tokamaks

Plasma sources

BT: Plasmas

RT: Ion implantation

Ion sources

Plasma stability

Plasma properties BT:

Plasma temperature

BT: Plasma properties

Plasma transport processes

Plasmas BT:

Plasma waves

BT: Waves

RT: Plasmas

Plasma welding

BT: Plasma applications RT: Joining processes



Materials processing

Plasmas Plastic containers

> Plastic products USE:

Plasma x-ray sources

BT:

combustion

BT: X-ray imaging Plastic films

X-ray lasers RT: Films BT: Plastics

Plasma-assisted combustion Plastic insulation RT:

> Combustion Plastic insulators Plasmas

Plastic IC packaging

Plasmas USE: Plastic integrated

BT: Nuclear and plasma circuit packaging

sciences

Plastic insulation Arc discharges RT: Discharges (electric) BT: Insulation

RT: Dielectric materials Ionization

Ionosphere Plastic films Plasma devices Plastic insulators

Plasma measurements

Plasma waves Plastic insulators

BT: Insulators Plasma welding Relativistic effects Fiber reinforced RT:

NT: Atmospheric-pressure plastics

plasmas Plastic films Plastic insulation Low-temperature

plasmas Plastic packaging Plasma applications

> Plasma confinement Plastic integrated circuit packaging

Plasma diagnostics Plastic IC packaging UF: Plasma properties BT: Integrated circuit

Plasma simulation packaging

Plastic optical fiber Plasma transport

BT:

Optical fibers processes Plasma-assisted Plastics

Plastic packaging

Plasma sources

Packaging BT: PLasmon

Plasmons RT: Bagging USE:

Electronics packaging Plasmonic solar cells

Encapsulation Light trapping USE: Integrated circuit

packaging

Plastic insulators **Plasmonics**

Plastics USF: **Plasmons**

Plasmons Plastic products

> UF: Plasmon UF: Plastic bottles Plasmonics Plastic containers

BT: Plasma properties BT: Manufactured products

RT: Bottling

Plastic bottles Chemical industry USE: Plastic products Chemical products

Chemistry PLL

Consumer products USE: Phase locked loops

Petrochemicals

Plastics Plug-in hybrid electric vehicles

Plastics industry BT: Hybrid electric

Plugs

PLumbago

BT:

NT:

USE:

Connectors

Keyways

Graphite

Planets

Pins

vehicles

Charging stations RT: Chemical products BT:

Materials Plugboard

RT: Petrochemicals USE: Breadboard

> Plastic packaging Plastic products

Plastics industry Polymers

Resins

NT: Epoxy resins

Fiber reinforced

plastics Plastic films

Plastic optical fiber Pluto

BT:

Plastics industry Manufacturing BT: Plutonium

industries

BT: Chemical elements Chemical industry RT:

Plastic products pMOSFETs

> Plastics USE: **MOSFET**

Platform as a service PMU

> USF: UF: PAAS Phasor measurement

BT: Cloud computing units

Platform virtualization PMUs

BT: Computers and USE: Phasor measurement

information processing units

RT: Virtual machine monitors PNAs

Medical diagnosis

USE: Presence network

Plating agents

BT: Materials processing NT: Chrome plating Pneumatic actuators

BT: Actuators

Platinum

Plastics

BT: Metals Pneumatic systems

BT: NT: Platinum alloys Control systems

RT: Bellows | Platinum alloys Fluidics

> BT: Platinum Mechanical systems

RT: Alloying

Pnictide superconductors

USE: Superconducting Plethysmography

BT: Measurement materials

Pockels readout optical modulator



USE: Electrooptic Polarisation

modulators USE: Polarization

Podcast Polarization

USE: Digital audio UF: Circular polarisation

broadcasting Circular polarization

Polarisation

Poincare group BT: Electromagnetic

USE: Poincare invariance scattering

Poincare invariance Polarization mode dispersion

UF: Poincare group UF: Polarization-mode

BT: Transforms dispersion

BT: Optical fiber

Point of care polarization

BT: Documentation
Medical services Polarization shift keying

RT: Clinical diagnosis BT: Optical polarization

Patient monitoring
Smart healthcare Polarization-maintaining optical fibers

USE: Optical fiber

Point-to-multipoint communications polarization UF: P2MP

PTMP Polarization-mode dispersion

BT: Wireless communication USE: Polarization mode

RT: Internet dispersion

Internet telephony

Poisons Poles & zeros
USE: Poles and zeros

USE: Toxicology

Poisson equation Poles and towers

UF:

on equation UF: Pylons
USE: Poisson equations Towers

Wood poles
ations BT: Transmissi

Poisson equationsBT:Transmission linesUF:Poisson equationRT:Power distribution

BT: Partial differential lines

equations Power transmission

RT: Electrostatics lines NT: Tel

Polar cyclones NT: Telephone poles

USE: Cyclones Poles and zeros

UF: Poles & zeros

Polarimetric synthetic aperture radarRootsBT:Synthetic apertureZeros

radar BT: Transfer functions

RT: Circuits

Polarimetry Control systems
UF: Solar polarimetry Newton method

BT: Electromagnetic Polynomials measurements

RT: Ellipsometry *Police*

Optical retarders USE: Law enforcement

Polishing machines

BT: Production equipment

RT: Deburring

Rough surfaces

Surface finishing

Surface roughness

Pollution

BT: Environmental factors

RT: Contamination

Design for disassembly

Environmental

economics

Green products

Occupational health

Pollution control Pollution measurement

Sewage treatment

Toxicology Waste disposal

NT: Air pollution

Industrial pollution

Land pollution Oil pollution

Radioactive pollution Thermal pollution Urban pollution

Water pollution

Pollution control

Environmental BT:

management

Carbon emissions RT:

Decontamination Electrostatic

precipitators

Environmental

monitoring

Greenhouse effect

Ozonation

Pollution

Pollution measurement Sewage treatment

Sludge treatment

Pollution measurement

BT: Measurement RT:

Environmental

monitoring

Pollution

Pollution control

Polonium

Chemical elements BT:

Polycaprolactone

BT: Polymers

RT: Smart materials

Polvethylene

Polymers BT: NT: Thermoplastic

polyethylene

Polyimides

Polymers

Polymer coatings

USE: Polymer films

Polymer films

UF: Polymer coatings

BT: Films

RT: Dielectric thin films

Polymer foams

Materials BT: RT: Insulation

Insulators Metal foam Resins

Polymer gels

BT: Materials

Polymer led

USE: Organic light emitting

diodes

Polymers

UF: Electroactive polymers

BT: Materials

Colloidal lithography RT:

Plastics

NT: Azobenzene

Liquid crystal

polymers

Optical polymers Polycaprolactone Polyethylene

Polyimides

Polynomials

BT: Equations

Poles and zeros RT:

PON



USE: Passive optical BT: Professional

networks communication

Porcelain Pose estimation

> BT: Ceramics BT: Estimation RT: Ceramic products RT: Computer vision

> > Ceramics industry

Position control Porous silicon UF:

Orientation control BT: Silicon BT: Mechanical variables

control

Portable computers RT: Attitude control UF: Laptops Capacitive transducers

> Portable PCs Manipulators

Mechanical guides BT: Microcomputers Handheld computers Servosystems NT: NT: Nanopositioning

Portable document format UF: PDF Position measurement

BT: Document handling UF: Attitude determination

RT: Document image Orientation

determination processing

Orientation

Portable media players measurement UF: MP3 Source location

Portable Multimedia Mechanical variables BT:

players measurement

Portable video players RT: Direction-of-arrival iPOD estimation

BT: Distance measurement Audio systems

Digital communication Gaze tracking

Home automation Geodesy

Digital audio

RT: Location awareness broadcasting Navigation

Tablet computers Tracking

Portable Multimedia players Position sensitive particle detectors

Portable media players USE: BT: Ionizing radiation

Portable PCs RT: High energy physics

USE: Portable computers instrumentation computing

Nuclear measurements Portable video players Particle measurements

USE: Portable media players Semiconductor counters

sensors

Positive train control **Portals**

BT: Management information BT: Control systems

systems Rail transportation

> Information retrieval RT: Feedback

Web sites Railway accidents Railway safety

UF:

Portfolios

UF: Electronic portfolios Positron emission tomography

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RT:

BT: Tomography BT: Energy conservation RT: Biomedical RT: Kinetic energy applications of radiation Mechanical energy

Medical diagnostic

Potential transformers imaging Nuclear medicine USE:

> Phantoms Tumors

NT: Whole-body PET

Positrons

BT: Elementary particles

Possibility theory

BT: Probability RT: Fuzzy logic

Nonlinear dynamical

systems

Post human

USE: Posthuman

Post-filtering algorithm

Filtering algorithms USE:

Post-human

USE: Posthuman

Post-wall wavequides

Substrate integrated USF:

waveguides

Postal services

UF: Mail

BT: Message systems Electronic mail

RT:

Posthuman

Post human UF:

Post-human

Systems, man, and

BT:

cybernetics

RT: Artificial

intelligence

Transhuman

Postscript USE: Page description

languages

Potassium

BT: Chemical elements

BT: Capacitors

Potential energy

UF: Potential wells Quantum confinement

BT: Energy conversion

Potential wells

Potential well

Potential well USE:

Potentiometers

BT: Meters RT: Resistors

Voltage measurement

Voltage transformers

Powders

Coatings BT: Ceramics RT:

Power amplifiers

UF: Radio frequency power

amplifiers

Radiofrequency power

amplifiers

BT: **Amplifiers**

High power amplifiers NT:

Predistortion

Power and energy standards

BT: Standards categories

Power cable insulation

BT: Cable insulation

Power cables RT:

Power cables

BT: Cables

Power transmission

Conductors RT:

Power cable insulation

Power distribution

NT: Underground power

cables

lines

lines

Power capacitors

NT: Supercapacitors



RT: Harmonic distortion

Power combiners

BT: Waveguide components RT: Microstrip components

Power dividers

Stripline components

Power conditioning

BT: Power electronics RT: Power conversion

Pulse width modulation

converters

NT: Power smoothing

Power consumption

USE: Power demand

Power control

BT: Electric variables

control

RT: Electric current

control

Power factor

correction

Pulse width modulation

converters

Power conversion

BT: Converters

RT: Choppers (circuits)

Maximum power point

trackers

Nonlinear circuits

Power conditioning Power electronics

Power semiconductor

devices

Power supplies

Pulse width modulation

converters

Regulators

Switched systems

NT: AC-AC converters

> AC-DC power converters DC-AC power converters

DC-DC power converters Matrix converters

Power conversion

harmonics

Voltage-source

converters

Power demand

UF: Power consumption BT: Power supplies

Power system planning

Electricity supply RT:

industry

Energy conservation Energy resources Load management Load modeling

Power distribution

NT: Demand response

Load forecasting

Power dissipation

BT: Circuits

RT: CMOS logic circuits

MOSFET circuits Nanotechnology Power transmission

System-on-chip

Power distribution

RT:

UF: Distribution of

electric power

BT: Power systems

Electricity supply

industry

Industrial power

systems

Power demand

Transactive energy

NT: Power distribution

faults

Power distribution

lines

Power distribution faults

BT: Power distribution

Power distribution lines

Overhead distribution UF:

lines

BT: Power distribution

Conductors RT:

> Poles and towers Power cables

Power distribution transformers

USE: Power transformers

Power conversion harmonics

Power dividers Power conversion BT:



BT: Waveguide components Power generation RT: Microstrip components Power systems

Power combiners
Stripline components

Power electronics

BT: Computer applications
Power engineering

UF: Electric power RT: Power system analysis

RT: High-voltage computing techniques

Matrix converters Power engineering education

Power conversion BT: Engineering education Power filters RT: Power engineering

Pulse width modulation converters Power exchange

Rectifiers USE: Power markets

Resonant inverters

Switching converters Power factor

Voltage-source USE: Reactive power converters

NT: Adiabatic Power factor correction
Converters BT: Electric current

Current limiters control

Gate drivers Load flow control

Inverters RT: Power control

Phase control Power transmission
Power conditioning Voltage control
Power semiconductor

devices Power filters

Power semiconductor UF: Power line filters

switches BT: Filters

Snubbers RT: Power electronics

Three-phase electric NT: Spurline

power

Power flow

Power engineering USE: Load flow

BT: Power engineering and

energy Power flow analysis

RT: Power engineering USE: Load flow analysis

education

NT: Ferroresonance Power flow control

High-voltage USE: Load flow control techniques

Power engineering Power generation

computing UF: Generation of electric

Power system power

simulation Output power

Power engineering and energy Power stations

RT: Electrochemical BT: Power engineering and

devices energy

NT: Electric variables RT: Batteries

control Fuel cells
Energy Generators

Power engineering Microgrids

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Page 418

Power generation Power harmonic filters

Power supplies

Pulsed power systems Space power stations

NT: Automatic generation

control

economics

Cogeneration

Distributed power

generation

Geothermal power

generation

Hydroelectric power

generation

Magnetohydrodynamic

power generation

Nuclear power

generation

Power generation

control

Power generation

dispatch

Power generation

planning

Solar power generation

Trigeneration Turbomachinery

Wind energy generation Wind power generation

Power generation control

BT: Automatic control

Power generation

Power generation dispatch

BT: Power generation

Power generation economics

BT: Economics

RT: Power generation

Electricity supply NT:

industry deregulation

Power generation planning

BT: Power generation

Power grids

UF: Electricity grids

BT: Power systems

Wind energy RT:

integration

NT: Microgrids

Smart grids

BT: Power system harmonics

Power harvesting

USE: Energy harvesting

Power industry

Electric utilities UF:

BT: Industries

RT: Offshore installations

> Power system faults Telecontrol equipment

Electrical equipment NT:

industry

Electricity supply

industry

Nuclear facility

regulation

Power system

interconnection

Power injection molding

USE: Injection molding

Power injection moulding

USE: Injection molding

Power integrated circuits

BT: Circuits

Integrated circuits

Power semiconductor RT:

devices

Power lasers

BT: Lasers

RT: Power semiconductor

devices

Power line communications

BT: Transmission lines

Power line filters

Power filters USE:

Power management

USE: Power system

management

Power markets

UF: Electricity markets

> Electricity trading Power exchange

Power pools Power trading



Power wheeling BT: Power electronics

BT: Electricity supply Semiconductor devices

industry deregulation Bipolar transistors NT: RT:

Power transmission Thyristors

Transactive energy

Power smoothing Power measurement BT:

Power conditioning Electric variables BT:

measurement Power spectra

USE: RT: Wattmeters Spectral analysis

NT: Dynamometers

Power stations Power MOSFET USE:

Power generation BT: MOSFET circuits

RT: Power semiconductor Power stations (space)

devices USE: Space power stations

Power outages Power stations (substations)

Substations USE: Power system USE: reliability

Power steering

Power overhead lines BT: Automotive engineering

Power transmission BT: lines Power supplies

RT: BT: Power systems Railway

electrification RT: Power conversion

Power generation Power plants Pulsed power systems Uninterruptible power USE: Power generation

systems

Power pools Battery chargers NT: USE:

Power markets Charging stations Current supplies Power quality Emergency power

UF: Power supply quality supplies

> Voltage sags Inductive charging

BT: Power supplies **Islanding** Power demand Electricity supply RT:

Power quality Power system harmonics Power system

Power system restoration

transients Switched mode power

supplies

Power semiconductor devices Traction power

> Power electronics BT: supplies

Semiconductor devices Umbilical cable Power MOSFET

RT:

Power conversion Power supplies to apparatus Power integrated Umbilical cable USE:

Power lasers Power supply industry

> NT: Power transistors USE: Electricity supply

> > industry

Power semiconductor switches



industry

circuits

Power supply quality

USE: Power quality

Power system analysis computing

BT: Computer applications

Power systems

RT: Digital simulation

Modeling

Parameter estimation

Power engineering

computing

Software packages

Power system control

BT: Electric variables

control

RT: Control system

security

Power systems

NT: Bidirectional power

flow

Load flow control

SCADA systems

Power system dynamics

BT: Power systems

Power system economics

BT: Power systems

RT: Electricity supply

industry deregulation

Transactive energy

NT: Low-carbon economy

Power system faults

BT: Power systems

RT: Electricity supply

industry

Error correction Fuzzy set theory

Power industry

Power system

protection

Signal analysis

Power system harmonics

BT: Power systems

RT: Power quality

NT: Power harmonic filters

Power system interconnection

BT: Power industry

RT: Power systems

Power transmission

Power system management

UF: Power management

Telecommunication

power management

BT: Power systems

RT: Microgrids

Monitoring

Preventive maintenance
Load flow

Power system measurements

BT: Power systems

NT: Meter reading

Power system modeling

NT:

BT: Modeling

RT: Power systems

NT: Load modeling

Power system planning

BT: Power systems

RT: Demand-side management

Electricity supply

industry

NT: Power demand

Power system protection

BT: Power systems

Product safety

engineering

RT: Arresters

Circuit breakers

Fuses

Grounding

Power system faults

Power system

transients

Protective relaying

NT: Electrical safety

Substation protection

Surge protection

Power system relaying

BT: Relays

RT: Power systems

Protective relaying

Power system reliability

UF: Power outages BT: Power systems

RT: Microgrids

Power system stability

Reliability



Power system restoration Hybrid power systems
Industrial power

BT: Power supplies systems

RT: Electricity supply PSCAD

industry

Power distribution
Power systems
Power grids

Power supplies

y Power system analysis

Power system security
BT: Security computing

BT: Security computing RT: Load flow analysis

Load flow analysis

Power system dynamics

Power system economics

Reactive power control

Power system faults

Power system harmonics

Power system Power system

BT: Power engineering management

RT: Power systems Power system

measurements

Power system stability

BT: Power systems

Power system planning Power system

BT: Power systems Power system
RT: Power system protection

reliability Power system

reliability

Power system transients Power system stability

BT: Electromagnetic Power transmission transients Pulsed power systems RT: Arresters Reactive power

Power quality
Substations
Power system
Transformers

protection Uninterruptible power NT: Transient analysis systems

NT: Transient analysis systems

Wind energy

Power systems integration
UF: Electric power

BT: Power engineering and Power Systems Computer Aided Design

energy USE: PSCAD

RT: Civil engineering

Mechanical power Power trading
cransmission USE: Power m.

transmission USE: Power markets
Power system control

Power system Power transformer insulation

interconnection BT: Power transformers

interconnection Bi. Power transformers

Power system modeling RT: Insulation Power system relaying

Power system Power transformers

restoration UF: Power distribution

Power system security transformers

Power system BT: Transformers

simulation RT: Transformer cores

Cl. CC.

Skin effect Windings

Telecontrol equipment NT: On load tap changers
Time-frequency Power transformer

Time-Trequency Fower cransformer

analysis insulation

Voltage fluctuations

NT: Data center power Power transistors



BT: Power semiconductor USE: Wearable robots

devices

RT: Driver circuits Powertrain USE: Mechanical power

Power transmission

UF: Transmission of

electric power

BT: Power systems

RT: Electric current

control

Load flow analysis Magnetic gears Power dissipation

Power factor

correction

Power markets Power system

interconnection

Power transmission

lines

NT: Common Information

Model (electricity)

Flexible AC

transmission systems

HVDC transmission Inductive power

transmission

Static VAr

compensators

Transmission lines

Wireless power

transmission

Power transmission lines

Overhead transmission UF:

lines

BT: Transmission lines

RT: Conductors

> Poles and towers Power transmission

Superconducting

transmission lines

Gas insulated NT:

transmission lines

Power cables

Power overhead lines

Power wheeling

USE: Power markets

Powered armor

USE:

Wearable robots

transmission Praeseodymium

> USE: Praseodymium

Pragmatics

BT: Linguistics

Semiotics

Communication symbols RT:

Context

Natural language

processing

Professional

communication

Praseodymium

UF: Praeseodymium BT: Chemical elements

Pre-college engineering

UF: Precollege engineering BT: Educational programs

Preamplifiers

BT: Amplifiers

Precision engineering

BT: Engineering - general RT: Industrial engineering

Mechanical engineering

Precoding

BT: Encoding

Precollege engineering

USE: Pre-college

engineering

Predator prey systems

UF: Predator-prey models

Predator-prey systems

BT: Biology

Mathematics

RT: Chaos

Differential equations

Game theory

Nonlinear dynamical

Stability

Powered exoskeleton



systems

Predator-prey models

Predator prey systems USE:

Predator-prey systems

USE: Predator prey systems

Prediction algorithms

BT: Algorithms

Prediction methods

BT: Artificial

intelligence

RT: Estimation

Forecasting

Gaussian processes Kalman filters Prediction theory Signal processing

Spectral analysis Speech processing

NT: Linear predictive

coding

Predictive coding

Predictive encoding

Predictive models

Prediction theory

BT: Statistics

RT: Artificial

intelligence

Estimation

Prediction methods

Predictive coding

BT: Prediction methods

Predictive control UF: Model predictive

control

Model-predictive

control

BT: Process control

RT: Control engineering

Predictive encoding

Prediction methods

Predictive maintenance

BT: Maintenance

engineering

Predictive models

BT: Prediction methods Predistortion

UF: Inverse distortion BT: Power amplifiers RT: Nonlinear distortion

Prefabricated buildings

Prefabricated USF:

construction

Prefabricated construction

UF: Prefabricated

buildings

BT: Construction

Construction industry

RT: Building materials

Buildings

Modular construction

Prefetching

BT: Instruction sets

Preforms

BT: Assembly

Pregnancy

UF: Pregnant

BT: Medical conditions

Pregnancy test

Medical tests BT:

Pregnant

USE: Pregnancy

Presence network agents

UF: PNAs

BT: Communications

technology

Presses

BT: Machine tools

RT: Dies

Pressing

Pressing

Materials processing BT:

RT: Presses

Pressure control

BT:

Control systems

Pressure effects

BT: Mechanical factors

RT: Meteorology



Piezooptic effects UF: PCA

Piezoresistance BT: Statistical analysis RT: Feature extraction

analysis

Pressure gauges

BT: Instruments

RT: Atmospheric

measurements

Density measurement Fluid flow measurement Force measurement

Geophysical

measurements

Pressure measurement

Pressure sensors

Torque measurement

Pressure measurement

BT: Measurement

RT: Piezoresistive devices

> Pressure gauges Pressure sensors Tactile sensors

NT: Altimetry

Tire pressure

Pressure sensors

BT: Sensors

RT: Pressure gauges

Pressure measurement

Pressure vessels

BT: Mechanical products

RT: Concrete

Fission reactors

Mechanical engineering

Steel

Preventive maintenance

Maintenance BT:

engineering

Accident prevention

Power system

management

Reliability

Safety

NT: Condition monitoring

Pricing printing

> BT: Financial management

Primary motor cortex

BT: Brain

Principal component analysis

Independent component

Linear systems

Operations research Pattern recognition

Transform coding

Print readers

USE: Character recognition

Printed circuit boards

Printed circuits USE:

Printed circuits

Circuit boards UF:

Printed circuit boards

BT: Circuits

RT: Electronics packaging

Integrated circuit

layout

Substrates Wiring

NT: Flexible printed

circuits

Memory modules

Printers

BT: Computer peripherals

RT: Printing NT:

Laser printers

Printing

BT: Information technology

RT: Character generation

Ink

Lithography Printers

Printing machinery

Publishing Typesetting

NT: Digital printing

Ink jet printing Teleprinting

Three-dimensional

Printing machinery

UF: Printing presses

BT: Machinery RT: Printing



Gamma distribution Printing presses

Printing machinery Information geometry USE: Maximum likelihood

Privacy detection

BT: Technology social Monte Carlo methods

factors

Random processes RT: Authorization Statistical analysis

> Communication system Statistics

security

Stochastic processes Computer security Stochastic systems Cryptography Viterbi algorithm Cyberethics Weibull distribution

NT: Ant colony Data privacy

Data protection optimization

Data security Bayes methods Differential privacy Error probability

General Data Forecasting

Protection Regulation Memoryless systems Pairwise error Malware

Trust management probability

NT: Eavesdropping Possibility theory

Probability

Privacy preserving data mining distribution

Data privacy USE: Random variables

Statistical

Privacy-invasive software distributions

> UF: Invasive software Uncertainty

BT: Software

Probability computing RT: Computer crime

> Computer security Computers and BT:

Unsolicited electronic information processing

mail

NT: Probability density function Spyware

BT: Integral equations Privatisation RT: Distribution functions

USE: Privatization

Probability distribution

Privatization BT: Probability Privatisation NT: Exponential UF:

BT: distribution Macroeconomics

RT: Industrial economics Log-normal

distribution Probabilistic computing

Maxwell-Boltzmann

BT: Computers and distribution

information processing Nakagami distribution

Probabilistic logic **Probes**

> Logic BT: Instruments

RT: Mixture models

Problem-solving BT: Probability

Cognitive science Human factors BT: Mathematics RT:

RT: Distribution functions Fourier transforms

Process control



BT: Industrial control Processor

RT: Bleaching

Chemical reactors
Continuous production

Manufacturing

automation

Process design
Process modeling
Process planning
Production control
Predictive control

Three-term control

Two-term control

Process design

NT:

BT: Design methodology RT: Chemical engineering

Design for disassembly Design for quality Process control Process planning Product design

NT: Service computing
Pattern formation
Process modeling

Process modeling

BT: Modeling

Process design

RT: Process control

Process planning

BT: Management Production

Production management
Production planning

RT: Process control
Process design
NT: Business process

integration

Business process

management

Cause effect analysis

Processor scheduling

UF: Multiprocessor

scheduling

BT: Concurrency control

Multiprocessing

systems

RT: Microprocessors

Optimization methods

NT: Scheduling algorithms

Processors (program)

USE: Program processors

Procurement

BT: Supply chain

management

RT: Contracts

Logistics Proposals Supply chains

Product codes

BT: Codes RT: Decoding

Error correction Radiofrequency

identification

NT: Bar codes

Product customisation

USE: Product customization

Product customization

UF: Product customisation
BT: Product development
RT: Customer satisfaction
Manufactured products

Product design

Product design

BT: Design methodology

RT: Concurrent engineering Design for disassembly

Design for quality
Design tools
Group technology

Manufactured products Process design

Product customization Product development

Prototypes Requirements

Kequit elleric

Product development

engineering

BT: Crowdsourcing

Engineering management

RT: Brand management

Manufactured products

Product design

Quality function

deployment

Rapid prototyping Reverse engineering



Virtual prototyping

NT: Graphical user

interfaces

Product customization

Product life cycle

management

Software product lines

Time to market

Product liability

BT: Legal factors RT: Consumer products

Product safety Quality assurance Quality management

Warranties NT:

Product life cycle management

UF: System life cycle

management

BT: Product development Release engineering RT: Prognostics and health NT:

management

Product safety

BT: Safety RT: Accidents

Consumer products

Product liability

Product safety engineering

RT: Software safety

NT: Consumer protection

Power system

protection

Safety

Vehicle crash testing

Product warranties

USE: Warranties

Product warranty

USE: Warranties

Production

Industry applications BT:

RT: Containers

Wheels

Wire drawing

NT: Ball milling

Compression molding

Embossing Food products Group technology Injection molding

Materials processing

Mechanical products

Process planning

Production control

Production engineering

Production equipment

Production facilities

Production management

Production materials Production systems

Productivity

Shafts Springs

Transfer molding

Production control

Industrial control BT:

Production

RT: Adaptive scheduling

Cellular manufacturing

Group technology

Inventory control Manufacturing

Process control

Production systems

Supply chain

management

NT: Continuous production

Lot sizing

Optimized production

technology

Scheduling

Production economics

USE: Industrial economics

Production engineering

BT: Engineering - general

Production

Industrial engineering RT:

Inventory management

Manufacturing

Manufacturing systems Production equipment

Production management Production materials

NT: Production planning

Production equipment

BT: Production RT: Gears

Machinery



Materials handling BT: Materials
Production

equipment

Production engineering RT: Addit

NT: Applicators Clamps

Cutting tools
Fixtures

Machine tools
Mining equipment
Molding equipment
Packaging machines

Packaging machines
Paper making machines

Polishing machines

Soldering equipment

RT: Additives Cast iron

> Chemical products Hydraulic fluids Production engineering

NT: Abrasives

Aerospace materials Automotive materials

Inhibitors

Ink

Joining materials

Production engineering Production management

Demand forecasting

Capacity planning

Process planning

Materials requirements

Lead time reduction Optimized production

Lubricants Retardants

Production facilities

NT:

Production management

UF:

BT:

RT:

management

UF: Factories

Manufacturing

facilities

BT: Production RT: Manufacturing

> Warehousing Foundries

Greenhouses

Industrial facilities Industrial plants Machine shops

Continuous improvement

Continuous production

Inventory control

Lean production

Mass production

Productivity

Research and

Industrial engineering

Production engineering

Paper mills

Manufacturing

Management

Production

planning

technology

Production systems

Production planning

BT:

RT:

NT:

BT: Production

RT: Discrete-event systems

Industrial plants Manufacturing

Optimized production

technology

Production control
NT: Assembly systems
Exhaust systems

Intelligent

manufacturing systems

Lean production
Manufacturing systems
Steering systems

development management

Technology management

Waste management

NT: Control charts

Inventory management
Lead time reduction

Logistics

Process planning Production planning

Productivity

UF: Labor productivity

Labour productivity

BT: Production
RT: Business
Human factors

Incentive schemes
Industrial psychology

Management
Manufacturing

Production materials



Personnel Financial management

Production management Productivity

Profitability

Progenitor cells BT:

Cells (biology) Professional aspects RT: Stem cells BT: Engineering profession

Professional communication Prognostics and health management

> UF: Technical UF:

communication BT: Product life cycle

RT: Collaborative work management

Cooperative

Program generators communication USE:

Pragmatics Automatic programming Semantics

Semiotics Program management

UF: Syntactics Programme management NT: Collaboration BT: Management

Communication aids RT: Project management

Communication Technical management

effectiveness Program processors Communication symbols

Context UF: Assemblers (program) Databases Compilers (program)

Global communication Interpreters (program) Multi-threaded systems Grammar

Information analysis Multi-threading

Information resources systems

Information retrieval Multithreaded systems Multithreading systems Information science Information services Processors (program)

Information systems BT: System software

Information technology RT: Input-output programs

Manuals Manycore processors Meetings Operating systems NT:

Oral communication Application specific

Plagiarism processors

Portfolios Graphics processing

Professional societies units

Instruction sets Public speaking Rhetoric Optimizing compilers

Programmable circuits

Writing Program profiling

Professional societies USE: Programming

Professional BT:

BT: Circuits

Profit sharing schemes NT: Field programmable

USE: Incentive schemes analog arrays

Programmable logic **Profitability** arrays

BT: Economics Programmable logic

RT: Cost accounting devices Econometrics



communication

Programmable control

BT: Digital control

RT: Industrial control

Manufacturing

automation

NT: Flow graphs

Programmable logic arrays

UF: PLA

BT: Circuits

> Logic arrays Logic circuits

Programmable circuits

RT: Programmable logic

devices

Programmable logic devices

BT: Circuits

Logic devices

Programmable circuits High level synthesis

Programmable logic

arrays

Programmable read only memory

PROM USE:

Programme management

RT:

USE: Program management

Programmed instruction

USE: Educational technology

Programming

UF: Program profiling BT: Computer science

RT: Aerospace and

electronic systems

Digital computers

Flowcharts Null value

Programming

environments

Runtime Self-assembly

Software

Software debugging

Software tools

Structured Query

Language

Syntactics

NT: Augmented reality

Automatic programming

Concatenated codes

Functional programming

Granular computing

Integer linear

programming Logic programming

> Microprogramming Object oriented

methods

Object oriented

programming

Opportunistic software

systems development

Parallel programming Performance analysis Programming profession

Robot programming

Programming environments

Software engineering BT:

RT: Computer aided

software engineering Programming

> Software debugging Software tools

Programming Languages

USE: Computer languages

Programming profession

Computer programming UF:

profession

BT: Programming RT: Employment

Engineering profession

Project engineering

BT: Engineering management

NT: Scheduling

Turnkey project

Project management

BT: Management

RT: Concurrent engineering

Lead time reduction Program management

Requirements

engineering

Requirements

management

Research and development management

Scrum (Software

development)

System integration



Technology management Perfectly matched

Propagation constant

Transient response

NT: Proposals layers

Turnkey project Reflection Scattering

Projectiles

BT: Weapons

Projection algorithms BT: Electromagnetic

BT: Algorithms propagation

Projective geometry Propagation delay

BT: Geometry BT: Delay effects

Projective shadowing Propagation Loss

USE: Shadow mapping USE: Propagation losses

projectors (optical) Propagation losses

USE: Optical projectors

UF: Propagation loss
BT: Electromagnetic

PROM propagation

UF: Programmable read only

memory Propellants

BT: Read only memory BT: Chemical products

Propellers

NT: EPROM

RT:

NT:

Attenuation

Promethium BT: Aircraft propulsion

BT: Chemical elements RT: Aircraft Blades

Promotion - marketing Engines

UF: Sales promotion Impellers

BT: Marketing management Marine vehicles

Public relations Shafts

Proof of work Proportional + derivative control

BT: Computer security USE: PD control

Protocols

RT: Blockchain Proportional + integral control

Denial-of-service USE: PI control

attack
Proportional control

Propagation BT: Control systems

UF: Wave equations

Wave propagation Proportional derivative control
BT: Waves USE: PD control

BT: Waves USE: PD control RT: Damping

Electromagnetic Proportional plus derivative control

waveguides USE: PD control

Electromagnetic Proportional-derivative control

propagation USE: PD control

Insertion loss

Nonlinear wave Proportional-integral control

propagation USE: PI control



Proportional-integral controller Knee joint

USE: PI control replacements

Neural prostheses

Prosthesis

USE: PD control BT: Medical services RT: Assistive technology

Bioceramics

Proportional-integral-derivative

Proportional-integral-derivative

control

USE: PI control Biological control

Biomedical equipment Medical control

Proportional-integral-derivative

PI control

controller USE:

Proposals

UF:

RT:

NT:

USE:

BT:

BT:

Prosthetic limbs

systems

systems

Orthotics Sensory aids

NT:

Technical proposals

Wearable robots Artificial biological

Project management BT: organs

> Contracts Procurement

Technical requirements

Writing

Artificial limbs

Prosthetic hand Prosthetic limbs Visual prosthesis

Protactinium Propulsion

Vehicular and wireless Chemical elements BT: BT:

technologies

RT: **Engines**

> Plasma jets BT: Safety

Traction motors RT: Circuit breakers Vehicle-to-grid Fuses

Protection

Aerospace propulsion Aircraft propulsion

Electromagnetic

launching

Electrothermal

launching

Rockets systems Uninterruptible power

Galvanizing

Hazardous areas Occupational safety

Grounding

Security

Forebrain

NT: Explosion protection Prosencephalon

Lightning protection Radiation protection

Prostate cancer Protection switching

> UF: BT: Cancer Automatic protection

> > switching

Prosthesis BT: Optical fiber networks

Prosthetics USE:

Protective clothing Prosthetic hand BT: Clothing

Safety devices

RT: Clothing industry

Eye protection

Occupational health Occupational safety

Safety

Hip joint replacements UF:

Prosthetics

Prosthetics



Prosthetics

Protective relaying Master-slave

> UF: Distance relays Protective relays

Multicast protocols Multiprotocol label

Routing protocols

Smart contracts

Proof of work

BT: Relays

RT: Instrument

transformers

Power system

protection

Power system relaying

Biomedical engineering

Transport protocols Wireless application

Zero knowledge proof

protocol

Protective relays

Protein engineering

BT:

UF:

BT:

RT:

USE: Protective relaying

Proton accelerators

switching

BT: Particle accelerators RT:

Ion accelerators Protons

Protein sequence

BT: **Proteins** Proton beam effects

USE: Proton effects

Proteins

BT: Biochemistry

NT: Protein sequence Proton beams

USE: Particle beams

Proteomics

Protocols

protocols

Molecular biomarkers BT:

Communication

Bluetooth

Communication systems

Concurrency control

IEEE 802.11 Standard

IEEE 802.11e Standard IEEE 802.11g Standard

IEEE 802.11n Standard

Local area networks

Proton effects UF:

NT:

BT:

RT:

Proton radiation effects

Biological effects of

protons

Proton beam effects

BT: Electrothermal effects

Ouantum mechanics

RT: Elementary particle

Ad hoc networks exchange interactions

> Elementary particles High energy physics

Frame relay instrumentation computing

Protons

Radiation effects Space vehicles Thermal factors Proton radiation

Proton effects

Internet of Things

effects

Single event latchup

Bipolar transistors

Radiation effects

Ion radiation effects

networks

Multicarrier code

Metropolitan area

division multiple access

Software defined

networking

TCPTP

IPTV

Wide area networks

NT: Access protocols

Asynchronous transfer

Semiconductor devices

Protons

Silicon-on-insulator

mode

Cryptographic

BT: Medical treatment

protocols



Proton therapy

RT: Biological effects of PSK

radiation USE: Phase shift keying

Protons PSNR

BT: Elementary particles UF: Peak signal to noise

RT: Cosmic rays ratio
Ions Peak signal-to-noise

Proton accelerators ratio

Proton effects BT: Signal to noise ratio

Psychiatry

Proton radiation

effects *pSPICE*

USE: SPICE Prototypes

BT: Design methodology PSTN

RT: Laser sintering USE: Communication networks

Product design Stereolithography

Virtual prototyping BT: Behavioral sciences
Breadboard RT: Medical treatment

NT: Breadboard RT: Medical treatment Rapid prototyping NT: Mental disorders

Proximity effects Psychoacoustic models

UF: Current crowding BT: Auditory system
BT: Electromagnetics NT: Masking threshold

RT: Conductors

Lithography Psychoacoustics

Pry and Bean model BT: Acoustics
RT: Auditory system

USE: Bean model
Psychology

PSCAD BT: Behavioral sciences

UF: Power Systems Computer RT: Affective computing

Aided Design Cognition

BT: Design automation Cognitive science
Power systems Emotion recognition
Software packages Employee welfare

Software packages Employee welfare
Persuasive systems
Pseudobinary semiconductors Social engineering

USE: Semiconductor (security)

materials NT: Emotional responses

Industrial psychology

Pseudomorphic HEMTs Mood

USE: PHEMTs Neuropsychology

Psychometric testing Pseudonoise coded communication

USE: Spread spectrum Psychometric testing

communication BT: Psychology

RT: Industrial psychology

Pseudonoise coded radar

USE: Spread spectrum radar PTMP

USE: Point-to-multipoint

ost. Forne-to-martipoint

Pseudorandom sequences communications

USE: Random sequences
Public domain software



BT: Open Access BT: Government policies Software RT: Public infrastructure

RT: Copyright protection

Open source software

NT: Python

Public finance

UF: Government borrowing

Government expenditure BT: Governmental factors RT: Financial management

> Government Macroeconomics

Public health

Public healthcare USE:

Public healthcare

Public health UF: BT: Medical services

Public infrastructure

Asset management BT: RT: Electricity supply

industry

Environmental

management

Government policies

Public policy Rural areas Urban areas Urban planning

NT: Critical

infrastructure

Public kev

BT: Cryptography NT: Public key

cryptography

Public key cryptography

Public key UF:

cryptosystems

BT: Public key NT: Elliptic curve

cryptography

Identity-based

encryption

Public key cryptosystems

Public key USE:

cryptography

Public policy **Publishing**

Public relations

BT: Management

Customer relationship RT:

management

Marketing management Promotion - marketing

Public speaking

UF: Speechmaking

BT: Oral communication

Professional

communication

RT: Meetings

Public switched telephone network

Communication networks USE:

Public transportation

UF: Subways Taxi

Trolley cars

Uber

BT: Transportation RT: Light rail systems Rail transportation

Urban areas

Publish subscribe systems

UF: Publish-subscribe

systems

Publish/subscrbe

systems

BT: Message systems RT: Content management

Middleware

Pattern recognition Queueing analysis

Publish-subscribe

Distributed BT:

information systems

Publish-subscribe systems

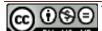
Publish subscribe USE:

systems

Publish/subscrbe systems

USE: Publish subscribe

systems



BT: Computer applications

RT: Bibliographies

> Copyright protection Digital printing Document handling

Guidelines Plagiarism Printing

Text processing

NT: Bibliometrics

Company reports Desktop publishing Electronic publishing

Open Access

Scientific publishing

Pulleys

BT: Materials handling

equipment

RT: Freight handling

Lifting equipment

Loading

Pulp and paper industry

UF: Paper industry

BT: Manufacturing

industries

RT: Forestry

> Paper products Paper pulp

Paper technology Pulp manufacturing Spinning machines

Wood industry

NT: Paper making

Paper making machines

Paper mills

Pulp manufacturing

BT: Manufacturing systems

RT: Paper making

Paper making machines

Paper mills Paper pulp Pulp and paper

industry

Wood industry

Pulse amplifiers

BT: Amplifiers

Pulse circuits

UF: Bistable multivibrator

BT: Circuits

Digital circuits RT:

NT: Flip-flops

Pulse compression methods

BT: Signal processing

Optical pulse NT:

compression

Pulse generation

UF: Impulse generation

Pulse generators

BT: Signal generators

Optical pulse NT:

generation

Pulse generators

USE: Pulse generation

Pulse inverters

UF: Logic inverters

BT: Inverters

RT: Logic circuits

Pulse measurements

UF: Impulse measurements

BT: Measurement

RT: Electric variables

measurement

Pulse modulation

BT: Modulation RT: Demodulation

Pulse oximetry

BT: Instrumentation and

measurement

Noninvasive treatment

Biomedical measurement RT:

0xygen

Remote sensing

Pulse shaping

USE: Pulse shaping methods

Pulse shaping methods

UF: Pulse shaping

Signal processing BT:

NT: Optical pulse shaping

Pulse transformers

BT: **Transformers**

Pulse width modulated power converters



USE: Pulse width modulation DC motors

converters DC-DC power converters

Pulse width modulation

UF: PWM

Pulsewidth modulation

Pulsewidth-modulation

Modulation BT: RT: AC generators

> AC machines AC motors Converters DC generators DC machines DC motors

Pulse width modulation

converters

Pulse width modulation

inverters

Space vector pulse

width modulation

Pulse width modulation converters

UF: PWM converters

PWM convertors

Pulse width modulated

power converters

Pulse width modulation

convertors

Pulsewidth modulation

converters

Pulsewidth modulation

convertors

Converters BT:

RT: Power conditioning

Power control

Power conversion Power electronics Pulse width modulation

Voltage-source

converters

Pulse width modulation convertors

USE: Pulse width modulation

converters

Pulse width modulation inverters

UF: PWM invertors

Pulse width modulation

invertors

BT: Pulse width modulation

RT: AC motors

AC-DC power converters

Converters

Pulse width modulation invertors

USF: Pulse width modulation

inverters

Pulsed electroacoustic methods

Acoustoelectric

effects

RT: Acoustoelectric

devices

Charge measurement Insulation testing

Space charge

Pulsed laser deposition

BT: Chemical vapor

deposition

Pulsed power supplies

BT: Pulsed power systems

Pulsed power systems

BT: Power systems RT: Energy storage

High-voltage

techniques

Power generation

Power supplies

NT: Pulsed power supplies

Pulsewidth modulation

USE: Pulse width modulation

Pulsewidth modulation converters

USE: Pulse width modulation

converters

Pulsewidth modulation convertors

USF: Pulse width modulation

converters

Pulsewidth-modulation

Pulse width modulation USE:

Pump lasers

BT: Lasers

Pumping of lasers

USF: Laser excitation

BT: Machinery



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Pumps

RT: Bellows Thermal factors Compressors **Impellers** Python Turbomachinery BT: Computer languages NT: Fuel pumps Public domain software Heat pumps Functional programming RT: Insulin pumps Object oriented Micropumps programming Water pumps Software libraries **Punching** Q factor BT: Materials processing USE: Q-factor Sheet metal processing RT: **Q** measurement **Purification** Electric variables BT: Cleaning BT: measurement RT: Air cleaners RT: Q-factor Decontamination Refining **Q-factor** Sugar refining UF: Q factor Quality factor Pursuit algorithms Electric variables BT: BT: Algorithms RT: Capacitors Q measurement PWM USE: Pulse width modulation QAM USE: Quadrature amplitude PWM converters modulation Pulse width modulation USE: converters abit USE: Qubit PWM convertors Pulse width modulation QCD vacuum USE: converters USE: Elementary particle vacuum PWM invertors Pulse width modulation 0FD USE: USE: Quality function inverters deployment **Pylons** USE: Poles and towers 0FP USE: Electronics packaging Pyroelectric devices BT: Dielectric devices QoE RT: Pyroelectricity USE: Quality of experience **Pyroelectricity** QoS BT: Electricity USE: Quality of service Ultrasonics, ferroelectrics, and frequency control Qox Ferroelectric USE: Quality of experience RT: materials Piezoelectricity QPSK Pyroelectric devices USE: Phase shift keying



BT: Quality management QR codes RT: Contamination

USE: Bar codes Coordinate measuring

machines

Quad flat packs Data integrity Design for quality USE: Electronics packaging Failure analysis

Quadratic programming

BT:

IEEE 802.11e Standard BT: Optimization methods Quality assurance

Quality function

Quadrature amplitude modulation deployment

> UF: OAM Reliability BT: Amplitude modulation Six sigma

Total quality

Quadrature phase shift keying management

> Phase shift keying BT: NT: Differential Quality factor

quadrature phase shift keying Q-factor USE:

Qualifications Quality function deployment

> BT: UF: **OFD** Training

RT: Continuing BT: Quality management Concurrent engineering professional development RT:

Product development Standards Quality assurance Quality assessment

Quality awards Quality management Quality control

Quality management Quality assurance

> BT: Quality management UF: ISO 9000 RT: Consumer protection BT: Management

Data integrity RT: Control charts Design for quality

Customer relationship IEEE 802.11e Standard

management Product liability Customer satisfaction Quality awards Design for quality

Quality control ISO Standards Pareto analysis Quality function Product liability

Six sigma Reliability

Total quality System improvement NT: Quality assessment

NT: Best practices Quality assurance Quality awards Quality awards Quality control

BT: Quality management Quality function RT: Continuous improvement deployment

Quality assurance Total quality

Quality function management

Quality of experience Total quality

management UF: 0oE 0ox

Quality control BT: Communication systems



deployment

management

deployment

Customer satisfaction BT: Quantum well lasers RT: Quality of service RT: Ouantum mechanics

Quality of service

UF: QoS

Quality-of-service BT:

Communication systems

Customer satisfaction

Conformance testing RT: IEEE 802.11e Standard

IP networks

Next generation

networking

Quality of experience Spatial diversity

Telecommunication

computing

Admission control NT:

Quality-of-service

USE: Quality of service

Quantisation

USE: Quantization (signal)

Quantization (signal)

UF: Quantisation

> Quantization effects Ouantization errors Signal quantisation

Signal quantization

BT: Signal processing RT: Analog-digital

conversion

Data compression

Encoding

Finite wordlength

effects

Signal sampling

Vector quantization NT:

Quantization effects

USE: Quantization (signal)

Ouantization errors

USF: Quantization (signal)

Quantum capacitance

BT: Capacitance

Ouantum mechanics

RT: **CNTFETS**

Quantum cascade lasers

Cascade lasers UF:

Quantum cellular automata

BT: Quantum computing

Quantum communication

BT: Communication systems RT: Channel capacity

Information theory

Optical fiber

communication

Teleportation

Quantum computing

BT: Computers and

information processing

Electron devices

NT: Quantum cellular

automata

Oubit

Quantum confinement

USE: Potential well

Quantum cryptography

BT: Cryptography

Quantum mechanics

Quantum dash

USE: Quantum dots

Quantum dot lasers

UF: Ouantum-dot lasers BT: Semiconductor lasers

RT: Quantum dots

Ouantum mechanics Quantum well lasers

Quantum dots

UF: Quantum dash

> Quantum-dot Quantum-dots

BT: Semiconductor devices

Nanocrystals RT:

> Quantum dot lasers Quantum mechanics

Quantum entanglement

UF: Entangled states BT: Quantum mechanics

RT: Teleportation

Quantum mechanics





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UF: Quantum theory UF: Quantum-well lasers

BT: Physics BT: Lasers

RT: Laser theory Quantum well devices

Nanotechnology Semiconductor devices Philosophical Semiconductor lasers

Solid lasers

Quantum cascade lasers RT: Quantum dot lasers
Quantum dot lasers Quantum mechanics

Quantum dots Quantum wells

Quantum well devices Semiconductor optical Quantum well lasers amplifiers

Resonant frequency Surface emitting

Solid-state physics lasers

String theory Two dimensional hole

NT: Density functional gas

theory NT: Quantum cascade lasers

Lagrangian functions

Proton effects Quantum wells

Quantum capacitance UF: Semiconductor quantum

Quantum cryptography wells
Quantum entanglement BT: Electrons

Relativistic quantum Ouantum well devices

mechanics RT: Quantum well lasers

Schrodinger equation Surface emitting Stationary state lasers

Teleportation Two dimensional hole

Tunneling gas

Quantum teleportation Quantum-dot

USE: Teleportation USE: Quantum dots

Quantum theory Quantum-dot lasers

USE: Quantum mechanics USE: Quantum dot lasers

Quantum vacuum Quantum-dots

USE: Elementary particle USE: Quantum dots

vacuum

Quantum-well devices

Quantum well devicesUSE: Quantum well devices

UF: Quantum-well devices

Quantumwell devices Quantum-well lasers
BT: Electron devices USE: Quantum well lasers

RT: Electrooptic

modulators Quantumwell devices

Quantum mechanics USE: Quantum well devices

Resonant tunneling

devices Quarter-wave plates

Tunneling USE: Optical retarders NT: Quantum well lasers

Quantum wells **Quartz crystals**

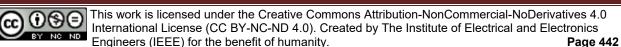
Two dimensional hole BT: Crystals

Quasi-doping

Quantum well lasers

gas

considerations



BT: Semiconductor device Publish subscribe RT:

manufacture systems

RT: Semiconductor device Scheduling

doping

Queueing theory *Quasi-resonant inverters* USE: Oueueing analysis

USF: Resonant inverters

Rabbits Animals

Quasi-resonant invertors BT: USE: Resonant inverters

Rad hardened

Quaternions USF: Radiation hardening

Mathematics BT: (electronics)

Rad-hard Qubit

UF: abit USE: Radiation hardening

BT: Quantum computing (electronics)

Query evaluation Radar

> USE: Query processing UF: Microwave radar

BT: Aerospace and

Query Languages electronic systems

USE: Database languages Geoscience and remote

sensing

Query optimisation RT: Microwave technology USE: Query processing

Radar detection Radar scattering

Query optimization NT: Airborne radar

> Bistatic radar Cognitive radar Doppler radar Ground penetrating

Query processing radar

Query processing

High frequency radar Query process

Laser radar USE: Query processing

Meteorological radar Query processing Millimeter wave radar

Query evaluation Multistatic radar Query optimisation Passive radar Query optimization Radar applications

Query pipeline Radar clutter Query process Radar cross-sections Query routing Radar equipment Database systems Radar theory

Spaceborne radar Linked data NoSOL databases Spread spectrum radar Semantic search Synthetic aperture

radar

Ultra wideband radar Query routing

USE: Query processing Radar antennas

Queueing analysis BT: **Antennas**

UF: Queueing theory

BT: Traffic control Radar applications



USE:

USE:

UF:

BT:

RT:

Query pipeline

BT: Radar BT: Radar applications RT: Oceanographic RT: Ground penetrating

radar

Landmine detection

techniques

NT: Radar countermeasures

Radar detection Meteorological radar Passive radar Radar imaging Radar measurements Remote sensing Radar polarimetry Synthetic aperture

Radar remote sensing radar

Ultra wideband radar Radar tracking

Radar interferometry Radar clutter

> Interferometry BT: Radar BT: RT: NT: Synthetic aperture Jamming radar interferometry

Radar countermeasures

RT:

Electronic warfare BT: Radar measurements Radar applications BT:

Radar applications Adaptive arrays RT: Remote sensing

Electronic NT: Radar cross-sections

countermeasures

Jamming Radar meteorology

Spread spectrum radar USF: Meteorological radar

Radar polarimetry Radar cross section

Radar cross-sections UF: USE: SAR imaging

Synthetic aperture

Radar cross sections radar imaging

> USE: Radar cross-sections BT: Radar applications

Radar cross-section Radar remote sensing

> USE: Radar cross-sections BT: Radar applications RT: Spaceborne radar

Radar cross-sections

UF: Radar cross section Radar scattering

> Radar cross sections BT: Electromagnetic Radar cross-section scattering

Radar

BT: RT: Radar Radar measurements

> Reflection Radar signal processing

Signal processing BT:

Radar detection BT: Radar applications Radar theory

Signal detection BT: Radar

RT: Ground penetrating

radar Radar tracking

Radar applications Passive radar BT: Radar RT: Target tracking

> Ultra wideband radar Radial basis function networks

Radar equipment UF: RBF networks

> BT: Radar Radial basis function

neural networks

BT: Neural networks Radar imaging



Artificial UF: Irradiation RT:

intelligence Computer networks

sciences

Cybernetics RT: Biomedical Interpolation applications of radiation

Brachytherapy

BT:

Radial basis function neural networks

High energy physics

Nuclear and plasma

Radial basis function instrumentation computing USE: networks

Proton effects Proton radiation

Radiation counters effects

> USF: Radiation detectors

Radiation detection

Radiation detectors USF:

Radiation detector circuits

BT: Circuits

> RT: Counting circuits

> > Radiation detectors

Radiation detectors

Counters UF:

> Particle detectors Radiation counters Radiation detection

Ratemeters

BT: Ionizing radiation

sensors

Atomic measurements RT:

Dosimetry

Nuclear measurements **Phototransistors** Radiation detector

circuits

Radiation monitoring

Spectroscopy X-ray detectors

NT: Bolometers

> Gamma-ray detectors Infrared detectors Photodetectors

Semiconductor

radiation detectors

Silicon radiation

detectors

Radiation dosage

BT: Radiation monitoring

Radiation dosimetry

USE: Dosimetry

NT: Biological effects of

Safety

radiation

Gamma-ray effects Ion radiation effects Neutron radiation

Radiation monitoring Radiation protection

effects

Scintillators

Single event latchup Space radiation Terahertz radiation Total ionizing dose

Radiation hardening (electronics)

UF: Rad hardened

Rad-hard

BT: Electronic equipment

manufacture

Nuclear and plasma

sciences

RT: Ionizing radiation

Satellite

communication

Total ionizing dose

Radiation imaging

BT: Imaging

RT: Biomedical imaging

Radiation monitoring

UF: Health physics

Personnel monitoring

BT: Monitoring

Nuclear and plasma

sciences

RT: Dosimetry

Radiation detectors Radiation effects Radiation protection Radioactive pollution

Radiation effects



Telecommunication Reactor

services

Radio access technologies

Communication networks

Radio telescopes

Reflector antennas

Radio communication

Frequency modulation

Communication systems

IEEE 802.11g Standard IEEE 802.11n Standard

IEEE 802.15 Standard

Radio access networks

Radio communication

MIMO communication Mobile communication

Convolutional codes

Cross layer design

Diversity methods Film bulk acoustic

Digital multimedia

Antennas and

Astronomy

Telescopes

Broadcasting

Radio networks

Bandwidth

BT:

UF:

BT:

RT:

Radio broadcasting

BT:

RT:

NT:

Radio communication

BT:

RT:

broadcasting

Radio astronomy

propagation

instrumentation

NT: Radiation dosage

Radiation pattern

USE: Antenna radiation

patterns

Radiation protection

UF: Radiation shielding

Radiological

protection

Protection BT:

Radiation safety

RT: Biological effects of

radiation

Contamination

Dosimetry

Fission reactors Radiation effects

Radiation monitoring

Radioactive pollution

Radiation safety

BT: Nuclear and plasma

sciences

Safety

NT: Radiation protection

Radiation shieldina

Radiation protection USE:

Radiation therapy

USE: Biomedical applications of radiation

Radiative recombination

BT: Spontaneous emission

Semiconductor RT:

materials

Radiators (automotive)

USE: Automotive components

Radio access networks

UF:

BT: Telecommunications

RT: 3G mobile

communication

4G mobile

communication

Land mobile radio

Radio communication

IEEE 802.11 Standard

equipment

resonators

SIMO communication

SISO communication

Radio propagation

Wireless LAN

Baseband NT:

NOMA

Bluetooth Indoor radio

communication

Land mobile radio

Millimeter wave

communication

Near field

communication

Packet radio networks



Passband USE: Radiofrequency

Personal area networks identification

Radio broadcasting
Radio communication

Radio frequency integrated circuits

countermeasures USE: Radiofrequency

Radio frequency integrated circuits

Radio link

Radio spectrum Radio frequency interference USE: Radiofrequency

Satellite interference communication

Satellite ground Radio frequency power amplifiers

stations USE: Power amplifiers

Software radio
ZigBee Radio interference

USE: Electromagnetic

Radio communication countermeasures interference
BT: Communication system

security Radio interferometry

Radio communication UF: Radiowave

RT: Adaptive arrays interferometry

Electronic BT: Interferometry countermeasures

Electronic warfare Radio LAN

Jamming USE: Wireless LAN

Spread spectrum communication Radio link

Radio communication equipment BT: Radio communication RT: Transport protocols

BT: Communication

equipment Radio navigation
RT: Antennas UF: Loran

Radio communication BT: Navigation
Telephone equipment RT: Air traffic control

NT: Base stations Indoor navigation
Ham radios Satellite navigation

Land mobile radio systems

equipment Transponders
Radio transceivers

Transponders Radio networks

BT: Radio broadcasting

Control systems

Radio control

BT: Electromagnetic

Radio frequency propagation

UF: RF propagation RT: Fading channels

Radio-frequency Multipath channels
Radiofrequency Radio communication
BT: Radio communication Radiowave propagation

Radio propagation

RT: Light fidelity Rayleigh channels
Wireless fidelity

NT: High frequency Radio receivers

USE: Receivers

Radio frequency identification



BT:

Radio resource management Radioactive pollution

USE: Resource management

Safety

Nuclear fuels NT:

Radioactive decay Radioactive waste

Radio spectrum management

UF: Frequency allocation Spectrum management

Radio communication BT:

Communication RT:

standards

Direct sequence spread NT:

spectrum communication

White spaces

Radio telescopes

USE: Radio astronomy

Radio transceivers

Radio communication

equipment

Transceivers

Dynamic spectrum NT:

access

Radio transmitters BT: Transmitters

Radio-frequency

USE: Radio frequency

Radio-frequency identification

Radiofrequency USE:

identification

Radio-frequency interference

USF: Radiofrequency

interference

Radioactive decay

Radioactive materials

Radioactive Label

Radiotracer USE:

Radioactive materials

UF: Alphavoltaic power

sources

Betavoltaic power

sources

Radioisotopes

BT: Materials

RT: Isotopes

Neutrino sources

Occupational health

Occupational safety

Radioactive pollution

UF: Nuclear wastes

BT: Pollution

RT: Hazardous areas

Incineration

Industrial pollution

Land pollution

Radiation monitoring Radiation protection Radioactive materials Radioactive waste Radioactive waste

disposal

Safety

Waste materials

Radioactive tracer

USE: Radiotracer

Radioactive waste

BT: Radioactive materials

Waste materials

Hazardous areas RT:

Hazardous materials

Incineration

Materials handling

Nuclear facility

regulation

Nuclear fuels

Radioactive pollution

Waste disposal Waste management

Radioactive waste NT:

disposal

Radioactive waste disposal

BT: Radioactive waste

Waste disposal

Incineration RT:

Materials handling

Radioactive pollution

Vitrification

Waste handling

Radiofrequency

USE: Radio frequency

Radiofrequency amplifiers



UF: Radiofrequency power

amplifiers

BT: **Amplifiers**

Radiofrequency identification

RFID UF:

Radio frequency

identification

Radio-frequency

identification

Sensor systems and

applications

Internet of Things RT:

> Product codes Radiofrequency

integrated circuits

NT: RFID tags

Radiofrequency integrated circuits

UF: RFIC

Radio frequency

integrated circuits

Integrated circuits BT:

RT: MIMICs

MMICs

Radiofrequency

identification

Radiofrequency interference

UF: Radio frequency

interference

Radio-frequency

interference

BT: Electromagnetic

interference

RT: Superconducting

filters

Radiofrequency micro-electro-mechanical systems

USE: Radiofrequency

microelectromechanical systems

Radiofrequency micro-electromechanical

systems

USF: Radiofrequency

microelectromechanical systems

Radiofrequency microelectromechanical

systems

RF micro-electro-UF:

mechanical systems

microelectromechanical systems

Radiofrequency micro-

electro-mechanical systems

Radiofrequency micro-

electromechanical systems

BT: Microelectromechanical

systems

Radiofrequency power amplifiers

Power amplifiers AND

Radiofrequency

amplifiers

Radiographic image enhancement

BT: Biomedical image

processing

Radiography

BT: Imaging Biomedical RT:

applications of radiation

Medical diagnosis Nuclear imaging X-ray detection X-ray imaging

NT: Diagnostic radiography

Radioisotope thermoelectric generators

BT: Atomic batteries

Radioisotopes

Radioactive materials USE:

Radiological protection

USE: Radiation protection

Radiology

BT: Biomedical image

processing

NT: Neuroradiology

Radiometers

Meters BT:

Radiometry

NT: Spectroradiometers

Radiometry

BT: Electromagnetic

measurements

Geoscience and remote

sensing

RT: Imaging

> Photometry Remote sensing



Rail to rail Temperature NT:

measurement

NT: Microwave radiometry

Radiometers

amplifiers Rail to rail inputs

Rail to rail outputs

Rail to rail outputs Radiotracer

> Radioactive label UF:

> > Radioactive tracer

BT: Chemical compounds

Radiowave interferometry

USE: Radio interferometry

Radiowave propagation

Electromagnetic BT:

propagation

RT: Radio propagation

Radium

BT: Chemical elements

Radomes

BT: Antenna accessories

Radon

Chemical elements BT:

Rail Line

USE: Rail transportation

Rail lines

USE: Rail transportation

Rail to rail amplifiers

BT: Rail to rail operation

RT: **Amplifiers**

MODFET circuits

MOSFET circuits

Rail to rail inputs

Rail to rail outputs

Rail to rail inputs

UF:

BT: Rail to rail operation

Nonlinear circuits RT:

Rail to rail

amplifiers

Rail to rail operation BT: Circuits BT:

> RT: Amplifiers

CMOSFET circuits MODFET circuits

MOSFET circuits

UF: RRO

BT: Rail to rail operation

RT: Nonlinear circuits

Rail to rail

amplifiers

Rail traffic

USE: Rail transportation

Rail transportation

UF: Rail line

> Rail lines Rail traffic Rail ways

Railways

Land transportation BT: RT: Block signalling

Land vehicles

Magnetic levitation Public transportation

NT: High-speed rail

transportation

Light rail systems Positive train control

Railway communication

Railway

electrification

Rail ways

USE: Rail transportation

Railguns

Rails

BT:

Electromagnetic

launching

RT: Rails

BT: Structural shapes

Flanges RT: Railguns

Railway accidents

UF: Derailments

Accidents

RT: Positive train control Railway engineering

Railway safety



Railway bridges Raman scattering

USE: Structural panels UF: Raman effect

Raman spectroscopy

Railway communication BT:

BT: Rail transportation scattering

Telecommunications

NT: Block signalling

Railway electrification USE:

BT: Rail transportation

RT: Power overhead lines

Railway engineering

BT: Civil engineering RT: Railway accidents

NT: Railway safety

Railway safety

BT: Railway engineering RT: Positive train control

Railway accidents Safety devices

Railways

USE: Rail transportation

Rain

BT: Meteorology RT: Floods

Monsoons

Rain fades

USE: Rain fading

Rain fading

UF: Rain fades

BT: Interference

RAKE receivers

BT: Receivers

RT: Signal to noise ratio

Raleigh fading

USE: Rayleigh channels

Raleigh fading channels

USE: Rayleigh channels

RAM

USE: Random access memory

Raman effect

USE: Raman scattering

BT: Electromagnetic

Nonlinear optics

Raman spectroscopy

USE: Raman scattering

RAN

USE: Radio access networks

AND

Regional area networks

Random access communication

USE: Multiaccess

communication

Random access memory

UF: RAM

Random access storage

BT: Memory NT: DRAM chips

Phase change random

access memory

Resistive RAM

SDRAM SRAM cells SRAM chips

Random access storage

USE: Random access memory

Random media

UF: Turbulent media

BT: Media RT: Chaos

Nonhomogeneous media

Random number generation

BT: Cryptography RT: Random sequences

Stochastic processes

White noise

Random processes

BT: Mathematics

RT: Algorithms

Probability

Signal processing Statistical analysis Time series analysis

NT: Brownian motion



Rate distortion theory

Random sequences BT: Information theory

UF: RT: Audio coding Pseudorandom sequences

BT: Sequences Channel coding RT: Cryptography Channel spacing

Random number Distortion

generation Image coding Signal analysis

Random variables Signal processing BT: Source coding Probability RT: Stochastic processes Speech coding

Stochastic systems Video coding NT: Channel rate control

Ranging USE: Distance measurement Rate-distortion

Rate distortion UF: BT: Ranking (statistics) Information theory

BT: **Statistics** RT: Data compression

RT: Information retrieval

Ontologies Ratemeters Search methods USE: Radiation detectors

Semantic Web Vocabulary Rats

UF:

Animals BT: Ransomware

Raw materials Malware BT:

BT: Materials Rapid prototyping RT: Mining industry

BT: **Prototypes**

RT: CADCAM Ray tracing

Design methodology Ray-tracing Manufacturing BT: Geometrical optics

Optics processes Product development RT: Computer graphics

Software engineering Stray light Three-dimensional

printing Ray-tracing Virtual prototyping USE: Ray tracing

Rapid thermal annealing Rayleigh channels

> BT: Annealing UF: Raleigh fading RT: Semiconductor devices Raleigh fading

> channels

Rapid thermal processing Rayleigh-fading

> Fading channels High-temperature BT: RT: Radio propagation

techniques RT: Heating systems

Rayleigh scattering Rare earth metals BT:

Electromagnetic BT: Metals

scattering

Rate distortion Rayleigh-Benard convection

USE: Rate-distortion USE: Convection



RayLeigh-fading UF: Readability formulas

USE: Rayleigh channels Readability tests

> BT: Writing

> > Real-time systems

Real time control Real time monitoring

Real time systems

Real-time control

Computers and

Control systems

Endomicroscopy

Real time processing

Real-time monitoring Real-time processing

Hardware-in-the loop

Real time

USE:

USE:

Real time monitoring

USE:

Real time processing

Real time systems

Real-time control

USE:

USE:

USE:

Real-time monitoring USE:

Real-time processing USE:

Real-time systems UF:

BT:

RT:

information processing

Real time control

RBF networks

Radial basis function Readability tests USE:

USE: networks Readability metrics

RDF

Readout electronics USE: Resource description BT: Displays

framework RT: Detectors SOUIDs

Re-configurable devices

Reconfigurable devices Real time USE:

Reachability analysis

Graph theory BT:

Reactive power

UF: Power factor

VAR

BT: Power systems

RT: Reactive power control

Static VAr

compensators

Reactive power control

BT: Electric variables

control

Power system security RT:

> Reactive power Voltage control

Reactor instrumentation

BT: Nuclear and plasma

sciences

RT: Radiation monitoring

Reactors

USE: Inductors

Read only memory

UF: ROM BT: Memory

RT: Read-write memory

NT: PROM

Read-write memory

BT: Memory

RT: Read only memory

Readability formulas

Readability metrics USE:

simulation

High energy physics

instrumentation computing

Readability metrics



Networked control BT: Computer architecture

systems

Telexistence NT:

WebRTC

UF: Re-configurable

devices

BT: Reasonina Cognition AND USE:

Hardware Field programmable RT:

gate arrays

Reasoning about programs

UF: Type interference BT: Software engineering

Cognitive systems

Reconfigurable radio

USE: Software radio

Rebreathers

Rebreathing equipment USE:

Rebreathing equipment

UF: Rebreathers

BT: Underwater equipment

Receive antennas

USE: Receiving antennas

Received signal strength indicator

UF: RSSI

BT: Communication system

signaling

Signal processing

Reconstruction methods

Receivers UF:

Radio receivers BT: Communication

equipment

RT: Demodulation

Signal detection

NT: Optical receivers

RAKE receivers Receiving antennas

Receiving antennas

UF: Receive antennas

BT: Antennas Receivers

RT: Spatial diversity

Transmitting antennas

Receptor (biochemistry)

BT: Biochemistry

Recommender systems

UF: Music recommendation BT:

Information filtering

Reconfigurable logic

Reconfigurable devices

BT: Logic design

Reconnaissance

BT: Military communication

Security

RT: Remote sensing

Surveillance

Reconstruction algorithm

Reconstruction USF:

algorithms

Reconstruction algorithms

UF: Reconstruction

algorithm

BT: Tomography

Reconstruction methods

USE: Reconstruction

algorithms

Recording

BT: Signal processing

RT: Memory

NT: Audio recording

> Digital recording Disk recording Magnetic recording Optical recording Video recording

Recruitment

BT: Human resource

management

RT: Equal opportunities

> Job specification Labor resources

Rectangular waveguides

Reconfigurable architectures



BT: Electromagnetic Reduced order model

waveguides

Reduced-order model Reduced-order systems RT: Planar waveguides

BT: Systems engineering

Rectennas and theory

> Estimation **Antennas** RT: Microwave

Simulation

communication

BT:

Reduced-order model Rectifiers

USE: Reduced order systems BT: Circuits

RT: Bridge circuits Reduced-order systems

> Power electronics USE: Reduced order systems

Redundancy

Voltage multipliers

Fault tolerance Rectifying circuits BT:

AC-DC power converters BT: RT: Codes

Reliability Recurrent neural nets

USE: Recurrent neural Redundancy (employment)

networks USE: Termination of

employment Recurrent neural networks

UF: RNN Reed Solomon codes

> Recurrent neural nets USE: Reed-Solomon codes

> > Reed-Solomon codes

BT: Neural networks NT: Hopfield neural

networks UF: Reed Solomon codes

BT: Error correction codes Recursive estimation

Bayes methods BT: Refining

RT: Least squares BT: Materials processing RT: Chemical technology approximation

Cleaning Purification Recycle USE: Recycling Smelting

Sugar refining

Recycling Recycle UF: Reflectance

Environmental BT: USE: Reflectivity

management Reflection

Red blood cells BT: Propagation

BT: Blood RT: Mirrors Scattering

Acoustic reflection Reduced instruction set computing NT:

> UF: RISC Backscatter

> BT: Instruction sets Electromagnetic reflection

Reduced order model Fresnel reflection

Reduced order systems Radar cross-sections USE:

Reduced order systems Reflection coefficient

Model reduction UF:



BT: Optical variables USE: Refractive index

measurement

Refractoring Waveguide

discontinuities

RT: Amplitude estimation

Reflective binary codes

Gray codes UF:

Grey codes

BT: Binary codes

Reflectivity

UF: Reflectance

BT: Waves

RT: Geometrical optics

> Light trapping Optical reflection Sonar detection

Telecommunications

Reflectometry

BT: Measurement

RT: Electromagnetic

measurements

Electromagnetic

reflection

Optical reflection

Optical variables

measurement

Reflector antennas

BT: **Antennas**

RT: Aperture antennas

Radio astronomy

Reflow soldering

BT: Soldering

Refractive index

UF: Refractivity

BT: Optical variables

measurement

RT: Birefringence

Dispersion

Gain measurement

Laser beams

Metamaterials

Optical refraction

Photorefractive effect

Semiconductor device

measurement

Semiconductor lasers

USE:

Coolants BT:

RT: Heat pumps

Space cooling

Code refractoring

Refrigeration

Refrigerants

BT: Cooling

Refrigerators

BT: Home appliances

Home automation

Refuse

Waste materials USE:

Refuse incineration

USE: Incineration

Regeneration engineering

Tissue engineering

Regional area networks

UF:

BT: Communication systems RT:

TFFF 802.22 Standard

Local area networks Metropolitan area

networks

Wireless communication

NT: WRAN

Registers Memory BT:

> Shift registers NT:

Regression analysis

BT: Statistical analysis

Correlation RT:

coefficient

Econometrics

Nearest neighbor

methods

NT: Linear regression

Multivariate

regression

Regression tree analysis

BT: Decision trees

Refractivity



Regulators Microrelays

> Control equipment Power system relaying BT: Current control RT: Protective relaying Electric variables Relay networks

(telecommunications) control

> Road side unit Power conversion

Voltage control

Release engineering Releng Rehabilitation robotics UF:

> UF: Assistive robotics BT: Software engineering BT: Medical robotics RT: Product life cycle

> > Robots management

Software development RT: Assistive technology

> Patient rehabilitation management

Source coding

Reinforcement learning

BT: Machine learning Releng

> USE: Release engineering

Relational databases

NT:

BT: Databases Reliability

RT: Structured Query UF: Reliability management

System reliability Language

Triples (Data RT: Aging

Dependability structure)

management Relativistic effects

Electron traps BT: Nuclear physics Failure analysis RT: Electron beams Life testing

Free electron lasers Power system

Klystrons reliability

Preventive maintenance Magnetrons Quality control Masers

Plasmas Quality management

Optical flow Redundancy Risk analysis

Relativistic quantum mechanics System improvement BT: Quantum mechanics System recovery

Thermal management Relaxation methods NT: Availability

> RT. Numerical analysis Fault diagnosis RT: Simulated annealing Fault tolerance Fluctuations

Relaxor ferroelectrics

Integrated circuit BT: Ferroelectric reliability

materials Maintenance

Maldistribution

Relay networks (telecommunications) Materials reliability

> BT: Communication networks Reliability

Relays engineering

Reliability theory Relays

Robustness

BT: Switchgear Semiconductor device

RT: Switching circuits reliability

NT: Digital relays Software reliability



Stability Materials handling BT:

equipment

Remote laboratories

BT:

RT:

RT:

measurement techniques

communications

Remote sensing BT:

measurements

measurements

temperature

techniques

sensing

Remote monitoring BT:

Telecommunication equipment

network reliability RT: Remote handling

> Telerobotics Waste handling

Laboratories

Monitoring

Atmospheric

Geophysical

Geophysical

Infrared imaging

Landmine detection

Microwave imaging Oceanographic

Optical imaging

Sea measurements

Soil measurements Sonar measurements

Pulse oximetry

Radar imaging Radar measurements

Radiometry Reconnaissance

Surveillance

Terrain mapping

Water resources

Vegetation mapping

Remote monitoring

Hyperspectral sensors Passive microwave

Land surface

Meteorology

Imaging

Earth

Remote sensing

Machine-to-machine

Geoscience and remote

Geologic measurements

Reliability engineering

BT: Reliability

RT: Weibull distribution

Reliability management

USE: Management AND

Reliability

Reliability theory

BT: Reliability

Reluctance generators

BT: Synchronous generators

Reluctance machines

BT: Rotating machines

Synchronous machines

Reluctance motors NT:

Reluctance motors

Reluctance machines BT:

Synchronous motors

NT: Switched reluctance

motors

Remaining life assessment

BT: Testing

RT: Failure analysis

Maintenance

engineering

Remanence Magnetics BT:

RT:

Magnetic fields Magnetic flux

Magnetic hysteresis

Permanent magnets

Remote control

BT: Control equipment

Remote handling

UF: Manipulators

(nonrobotic)

Materials handling BT:

RT: Remote handling

equipment

Telecontrol equipment remote sensing

Remote handling equipment



NT:

Remotely guided vehicles UF: Optical regenerators

Unmanned vehicles BT: Communication

equipment Remotely operated automobiles

USE: Unmanned vehicles Replica molding

USE: Soft lithography

Remotely operated cars USE: Unmanned vehicles Replica moulding

> USE: Soft lithography

Remotely operated vehicles USE: Unmanned vehicles Report writing

USE: Writing

Remuneration Human resource Representational state transfer BT:

BT: Software architecture management

Employee welfare RT:

Incentive schemes NT: Reproducibility of results

Pensions UF: Reproductible research BT: Biomedical measurement

Renal calculi Measurement USE: Kidney stones

Reproductible research

Reproducibility of Rendering (computer graphics) USF: BT: Computer graphics results

Renewable energy Reproductive cloning

USE: Renewable energy USE: Cloning sources

Requirements engineering Renewable energy resources BT: Systems engineering

USE: Renewable energy and theory

sources RT: Product design Project management

Renewable energy sources Requirements UF:

Renewable energy Software engineering

management

Stakeholders resources Renewable-energy NT: Technical requirements

Energy conservation BT: Environmental Requirements management

management BT: Management

Systems engineering RT: Low-carbon economy Wave power and theory

NT: **Biomass** RT: Project management

Requirements

Renewable-energy engineering USE: Renewable energy

Renewable energy

sources ReRAM USE: Resistive RAM

Repair

USE: Maintenance Rescue robots engineering BT: Robots

RT: Emergency services

Repeaters Hazards



Resiliency

Research and development USE: Resilience Engineering - general BT:

RT: Electrical engineering Resilient systems Engineering profession USE: Resilience

Industrial engineering

International Resin transfer molding

collaboration USE: Transfer molding Laboratories

Research and Resin transfer moulding

development management USE: Transfer molding

Reverse engineering Science - general Resins

> Technology BT: Materials Virtual enterprises RT: Plastics Polymer foams Virtual manufacturing

Virtual prototyping NT: Epoxy resins

Research and development management Resistance

> BT: Engineering management BT: Electric variables

Management RT: Electrical resistance

Concurrent engineering RT: measurement Engineering profession Resistance heating

> Production management Skin effect Project management NT: Electric resistance Research and Piezoresistance

development Surface resistance Technology management Thermal resistance

Venture capital Viscosity NT: Innovation management

Resistance heating Research initiatives UF:

Electric heating BT: BT: Engineering management Heating systems

RT: Resistance Reservoirs

BT: Water resources Resistive RAM

> Water storage UF: RRAM RT: Dams ReRAM

Random access memory Lakes BT:

Land use planning RT: Memristors

Water Phase change memory

Resistive transducers Residual stress

USE: Residual stresses BT: Transducers

Residual stresses Resistivity

> UF: Residual stress USE: Conductivity

Resistivity measurement

Resilience USE: Conductivity

UF: measurement Resiliency

Resilient systems

BT: Material properties Resistors BT: Electronic components



BT:

Stress

RT: Electrical ballasts UF: Quasi-resonant

Potentiometers inverters

NT: Memristors Quasi-resonant

Switched capacitor invertors

networks Resonant invertors

Varistors BT: Inverters

RT: Power electronics

Resists Resonance UF: Photoresists

BT: Materials Resonant invertors

USE: Resonant inverters

Resonance
RT: Cavity resonators
Resonant tunneling devices

antennas devices
Film bulk acoustic Resonant-tunneling

resonators devices

Microstrip resonators Resonant-tunnelling

Optical resonators devices

Resonant inverters BT: Tunneling

Resonant tunneling RT: Quantum well devices devices Resonance

Resonator filters Single electron

Resonators devices Vibrations

NT: Ferroresonance Resonant tunnelling devices

Magnetic resonance USE: Resonant tunneling

Resonance light devices

Stochastic resonance Resonant-tunneling devices

USE: Resonant tunneling

Resonance frequency devices
USE: Resonant frequency

scattering

RT:

Resonant-tunnelling devices

Resonance light scattering USE: Resonant tunneling

BT: Resonance devices

Resonator filters

Resonators

Spectroscopy

Light scattering

BT: Filters

Resonant circuits RT: Resonance USE: RLC circuits

Resonant converters BT: Amplifiers

BT: Converters RT: Acoustics Resonance

Resonant frequency Tuners

UF: Resonance frequency NT: Cavity resonators

BT: Frequency

RT: Oscillators Resource allocation
Quantum mechanics USE: Resource management

NT: Magnetic resonance
Resource description framework

Resonant inverters

UF: RDF

BT: Semantic Web

Resource distribution BT: Surface fitting RT: Optimization methods

USE: Resource management

Resource management

UF: Allocation

Radio resource

management

Resource allocation

Resource distribution

Resource sharing Resource utilisation

Resource utilization Resources management

resources

BT: Management RT: Business process

integration

Business process

management

Cluster computing

Environmental

engineering

Forestry

Operations research System integration

NT: Elastic computing

Network resource

management

Resource

virtualization

Resource sharing

USE: Resource management

Resource utilisation

USE: Resource management

Resource utilization

USE: Resource management

Resource virtualization

BT: Resource management

Resources management

USE: Resource management

Respiratory system

UF: Asthma

Bronchi

BT: Anatomy NT: Larynx

Lung

Resumes

BT: Writing

Retail price index

USE: Economic indicators

Retardants

BT: Production materials

RT: Inhibitors

NT: Flame retardants

Retina

UF: Retinal BT: Eyes

NT: Retinal vessels

Retinal

USE: Retina

Retinal vessels

BT: Retina

Retinopathy

BT: Diseases

Retirement

BT: Human resource

management

Reverberation

BT: Acoustics

Reverberation chambers

BT: Electromagnetic

compatibility

Reverse engineering

BT: Engineering - general RT: Product development

Research and

development

Reverse logistics

BT: Logistics

Reverse osmosis

BT: Chemical processes

RT: Desalination

Reverse teaching

Response surface methodology USE: Education AND



Online services Rhythm

BT: Music

Reviews

BT: Writing Ribonucleic acid USE: RNA

RF

USE: Radio frequency Ribs

BT: Thorax

RF interference

USE: Electromagnetic

Riccati equations **Equations**

interference BT:

Rician channels

UF:

BT:

RF micro-electro-mechanical systems

USE: Radiofrequency

microelectromechanical systems

RF microelectromechanical systems

Radiofrequency microelectromechanical systems

Rician fading

USE: Rician channels

Rician fading

Rician fading channels MIMO communication

RF signals

Signal processing

Rician fading channels

Rician channels USE:

RFIC

USE: Radiofrequency

integrated circuits

Ring generators

Automatic testing BT:

Testing

RFID

Radiofrequency USE:

identification

Ring lasers

BT: Lasers

RT: Gyroscopes Fiber lasers NT:

RFID tags

BT: Radiofrequency

identification

NT:

BT:

USF:

Active RFID tags

Passive RFID tags

Ring resonators

Ring oscillators

BT:

USE: Optical ring

Rhenium

Chemical elements BT:

RISC

Rheology

Fluid dynamics

RT: Viscosity

USE: Reduced instruction

Oscillators

set computing

resonators

Rhetoric

Professional BT:

Risk analysis BT: Management

> RT: Accident prevention

Accidents

Decision making Occupational health Occupational safety

Reliability

Safety

Technology social

Rhodium

communication

BT: Chemical elements

Hindbrain

Rhombencephalon

factors



Venture capital RT: Road safety NT: Road vehicles Fault trees

Risk management

UF:

Rivers

Road bridges

USE: Structural panels Risk assessment USE: Risk management

Road safety

Risk handling BT: Roads

Automated highways USE: Risk management RT: Automotive engineering

Risk management Road accidents

> RIsk mitigation Vehicle-to-everything NT: Risk assessment Lane departure warning

Risk handling systems

Risk minimization

Road side unit Risk reduction BT: Risk analysis BT:

Relays

RT: Contract management Vehicular ad hoc

networks Risk minimization

USE: Risk management Road transportation

UF: Highways

RIsk mitigation BT: Land transportation USE: Civil engineering Risk management RT:

Global Positioning

Risk reduction System

USE: Risk management NT: Roads

Traffic congestion

BT: Geoscience Road vehicles

> RT: Floods BT: Land vehicles Lakes RT: Road accidents

Sediments Roads Water NT: Automobiles

Water pollution Motorcycles Water resources

Wetlands ROADMS

Optical add-drop USE:

RLC circuits multiplexers

UF: Resonant circuits BT: Circuits Roads

Tunable circuits and BT: Road transportation

devices RT: Civil engineering Road vehicles

Road safety **RNA** NT:

UF: Ribonucleic acid BT: Biological cells Roaming

BT: Wireless communication

RNN Dual band RT:

USE: Recurrent neural **GSM**

networks Robot automobiles

Road accidents USE: Autonomous automobiles

BT: Accidents



Robot cars Robot sensor networks

> USE: Autonomous automobiles Robot sensing systems USE:

Robot control Robot vision systems

> UF: Robotic control UF: Manipulator vision BT:

Control systems systems

Mobile robot vision Robots

RT: Force control systems

NT:

Motion planning BT: Robot sensing systems

Trajectory tracking RT: Image sensors

Robot motion Imaging Intelligent robots

Robot kinematics Object detection BT: Robots Object recognition

Pattern recognition NT: Motion analysis

Stereo vision Robot learning NT: Visual servoing

BT: Machine learning

> Robots Robot-assisted surgery

RT: Artificial USE: Surgery intelligence

Robotic assembly **Robot localization** UF:

Assembly robots BT: Motion analysis BT: Assembly systems RT: RT: Robotics and

Robot sensing systems automation

Robot motion

UF: Robotic motion Robotic control BT: Robot control Robot control USE:

Robot operating systems Robotic motion

USE: Operating systems USE: Robot motion

Robot programming Robotic programming

> UF: Robotic programming USE: Robot programming

> BT: Programming

Robots Robotics and automation RT:

Image motion analysis

Robotic assembly Robot sensing systems

UF: Manipulator sensing NT: Animatronics Automation systems

> Mobile robot sensing Autonomous systems

systems Multi-robot systems Robots

Robot sensor networks BT: Robots

Sensor systems and Robots

applications BT: Robotics and

RT: Multisensor systems automation

Robot localization RT: Assembly systems NT:

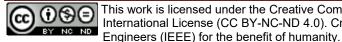
Robot vision systems Botnet

Control equipment Simultaneous

localization and mapping Control systems Tactile sensors Cybernetics Industrial control

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> > **Page 465**



Manufacturing

automation Rockets

> Materials handling BT: Propulsion Mechanical variables RT: Engines

> > Rocks

Rodents

Roentgenium

Role transfer

Roller bearings

Rolling bearings

bearings

bearings

Rollover

ROM

BT:

BT:

BT:

USE:

UF:

BT:

RT:

USE:

USE:

BT:

USE:

Rolling contact bearings

Rolling element bearings

control

Mechatronics

Nonlinear systems

Servosystems

NT: Androids

Aquatic robots

Automata

Autonomous robots

Cognitive robotics

Computer vision

Educational robots Evolutionary robotics

Humanoid robots

Intelligent robots

Manipulators

Medical robotics

Mobile robots Orbital robotics

Parallel robots

Rehabilitation

robotics

Rescue robots

Robot control

Robot kinematics

Robot learning

Robot programming

Robot sensing systems

Service robots Snake robots

Soft robotics

Telerobotics

Visual odometry

Wearable robots

Robust control

UF: Active disturbance

rejection control

BT: System analysis and

design

Robustness

RT: Disturbance observers Roof mounted photovoltaics

USE: Building integrated

Ground support

Chemical elements

Rolling bearings

Roller bearings

Rolling contact

Rolling element

Ball bearings

Rolling bearings

Rolling bearings

Vehicle dynamics

Read only memory

Mechanical bearings

Organizational aspects

Geology

Animals

photovoltaics

Robust stability

BT: Stability Roof mounted solar cell arrays

USE: Building integrated

photovoltaics

Reliability BT:

RT: Control systems

Sensitivity

Stability

Uncertain systems

Root kit

USE: Rootkit

Root mean square



UF: Root mean square error

Root mean square value

Mathematics BT:

Statistics

Root mean square error

USF: Root mean square

Root mean square value

USE: Root mean square

Rootkit

UF: Root kit

BT: Malware

Roots

Poles and zeros USE:

Rotating machines

BT: Electric machines

RT: Brushes

Coils

DC generators Synchronous motors

Windings

NT: Generators

> Hysteresis motors Induction machines

Induction motors

Micromotors Permanent magnet

machines

Reluctance machines

Servomotors

Standby generators

Rotation measurement

Rotation UF:

representation

Mechanical variables RT.

measurement

Rotation representation

USE: Rotation measurement

Rotational measurement

USE: Velocity control

Rotational speed

USE: Velocity control

Rotors

BT: Electric machines

Machine components

Rough sets

BT: Set theory

Rough surfaces

Surfaces BT:

Polishing machines RT:

> Surface roughness Terrain factors

NT: Corrugated surfaces

Round robin

Scheduling algorithms BT:

Roundoff errors

Finite wordlength BT:

effects

RT: Error analysis

Noise

Routing

BT: Communication systems

Multicast RT:

communication

Routing protocols Soft switching Wavelength routing

Routing protocols

NT:

BT: Protocols. RT:

Internet

Land mobile radio Mobile communication Multicast protocols Multiprotocol label

switching

RPI

RRAM

RRT

RRO

RSSI

Routing

Wireless access points

USE: Economic indicators

USE: Resistive RAM

USE: Rail to rail inputs

USE: Rail to rail outputs

USE: Received signal

strength indicator



S/N

Rubber USE: Signal to noise ratio

> BT: Insulators

RT: Rubber industry SaaS

> Rubber products USE: Software as a service

> > Safety

Rubber industry

Chemical elements

Industry applications BT: Manufacturing BT:

industries Product safety

Chemical industry RT: engineering

Rubber RT: Alarm systems Rubber products Control system

security

Rubber products Electric shock

> Environmental factors Manufactured products BT:

RT: Hoses Explosions Rubber Eye protection

> Rubber industry Fires

Wastewater treatment Hazardous areas Tires Occupational health

NT: Preventive maintenance Protective clothing

Radiation effects

Radioactive materials Rule based systems Radioactive pollution

USE: Knowledge based Risk analysis

systems NT: Aerospace safety Domestic safety

Emergency services BT: Software engineering Explosion protection RT:

Programming Fire safety Dynamic compiler Hazards

Runtime environment Health and safety

Marine safety Runtime environment Product safety BT: Runtime Protection Radiation safety

Runtime library Safety devices BT: Formal languages Safety management Vehicle safety

Rural areas

Geography Safety devices Macrocell networks RT: BT: Safety

> Public infrastructure RT: Accident prevention

Alarm systems Railway safety

BT: Chemical elements Smoke detectors NT: Eye protection

S parameters Fire extinguishers

Protective clothing USE: Scattering parameters

S-parameters Safety in the home

USE: Scattering parameters USE: Domestic safety



Ruthenium

Rubidium

Runtime

BT:

NT:

BT:

RT:

USE:

USF:

USE:

BT:

Satellite born radar

USE:

USE:

Honeycomb structures

Thin wall structures

Engineering - general

Sheet materials

Environmental

Sewage treatment Waste disposal

Waste management Waste materials

Water pollution

Wastewater treatment

Specific absorption

Synthetic aperture

Radar polarimetry

Synthetic aperture

Spaceborne radar

Spaceborne radar

Antennas

Wastewater

Structural panels

Lightweight structures

Safety management RT: Surface roughness

> BT: Management

Safety Sandwich structures Dependability BT: Structural shapes

RT: management

Sagnac interferometers BT: Interferometry

Sales promotion

USE: Promotion - marketing Sanitary engineering

BT:

Saliency detection RT: BT: Image processing management

> RT: Feature detection Feature extraction

Visual systems

Salinity (geophysical)

BT: Soil measurements RT: Geochemistry

Ocean salinity

Sea measurements

Sea surface salinity

rate AND

Salivary glands UF: Parotid radar

> BT: Glands

> > Stomatognathic system

BT: Metals

> NT: Samarium alloys

sonar

Samarium alloys

Samarium

BT: Samarium Satellite antennas

Sampled data circuits

BT: Circuits

Sampled data systems

BT: Discrete-time systems

Satellite borne radar

Sampling methods

BT: Satellite broadcasting Statistics RT: Signal sampling UF:

Compressed sensing Direct broadcast NT:

> Nonuniform sampling satellites

Satellite broadcasts

SAR

SAS

SAR imaging

BT: Broadcasting

USE: Satellite Storage area networks

communication

Sandblasting RT: Global Positioning

Surface treatment BT: System



SAN

Small satellites

Satellite broadcasts

RT:

USE: Satellite broadcasting Saturation detection

> USE: Feedback

Satellite communication

Communication Saturation magnetisation UF: satellites

USF: Saturation

Saturation

Planets

Machining

Sawing

Magnetization

Electromechanical

Sawing machines

Machine tools

Supervisory control

Supervisory control

Power system control

Substation automation

Supervisory control

System analysis and

Chemical elements

Control systems

Saturation magnetization

UF:

BT:

BT:

BT:

BT:

RT:

BT:

RT:

UF:

BT:

RT:

BT:

BT:

and data acquisition systems

and data-acquisition systems

Sawing machines

SCADA systems

processes

SAW filters

Saturn

devices

Sawing

Communication systems magnetization

Radio communication

Artificial satellites Convolutional codes

Global Positioning

magnetisation System

Handover

Radiation hardening

(electronics) Transponders

NT: Downlink

Satellite broadcasting

Satellite ground

stations

Uplink

Satellite constellations

BT: Satellite navigation

systems

Satellite ground stations

Communication systems BT:

Radio communication

Satellite

communication

Communication RT:

equipment

Satellite navigation systems

BT: Navigation RT: Radio navigation

Time dissemination

Global Positioning NT:

System

Scalability

Global navigation

satellite system

Satellite

constellations

Satellites

Solar system

RT: Artificial satellites

Geostationary NT:

Moon

satellites

satellites

Geosynchronous

Scandium

design

Scalp

BT:

Head

Scanning electron microscopy UF: SEM

BT: Electron microscopy



RT: Electron beam

Scanning microwave microscopy

Scanning probe microscopy

BT:

UF:

microscopy

applications Scheduling

Particle scattering BT: Organizational aspects

> Production control Project engineering

BT:

Microscopy Materials requirements RT:

Atomic force RT: planning

Queueing analysis

Schedules Statistics

Scanning probe data storage BT: Memory Synchronization

> NT: Adaptive scheduling Dynamic scheduling

Job shop scheduling

Single machine NT: Scanning thermal microscopy scheduling

Scanning thermal microscopy Scheduling algorithms

> Scanning probe BT: BT: Optical fiber

microscopy communication

Processor scheduling

Round robin Scattering NT: UF:

Backscattering Wave scattering Scholarships

BT: Propagation BT: Educational programs

RT: Reflection

Microscopy

Scattering parameters Schools

NT: Acoustic scattering USF: Educational Brillouin scattering

institutions Electromagnetic

scattering Schottky barriers

> Light scattering UF: Schottky contacts Particle scattering BT: Semiconductor-metal

interfaces

Scattering parameters **MESFETs** RT.

> S parameters Schottky diodes S-parameters

Schottky contacts BT: System analysis and

Schottky barriers design USE:

RT: Circuits

> Schottky diode Scattering USE: Schottky diodes

Scatternets USE: Personal area networks Schottky diodes

UF: Schottky diode

Semiconductor devices Scene analysis BT:

Semiconductor diodes USE: Image analysis

RT: Schottky barriers

Semiconductor-metal Scene classification

USE: Image analysis interfaces

Schedules Schottky FETs

BT: Planning USF: **MESFETs**

RT: Scheduling



detectors

Schottky gate FET Nuclear and plasma

> USE: Schottky gate field sciences

Solid scintillation effect transistors NT:

Schottky gate field effect transistors

UF: Schottky gate FET Scintillators

BT: Field effect Radiation effects BT: RT: Luminescence transistors

Schrodinger equation SCM supply chains

> BT: Ouantum mechanics USE: Supply chain

RT: Electrons management

Science - general Scooters

> Econophysics USE: Motorcycles RT:

> > Neurophysiology Research and SCR

development USE: Thyristors

STEM

NT: Astronomy Screws

Biology USE: Fasteners Chemistry

Electricity Scrubbers

Geoscience USE: Materials handling History

Life sciences Scrum (Software development) Metrology BT: Agile software

Neuroscience development Feedback Physics RT:

Project management Sociology

Thermodynamics Software development

management science technology engineering and

math

USE: STEM

USE: Synchronous digital

SDH

SDHTs

hierarchy

Science technology engineering

mathematics

STEM USE: USE: MODFETS

science, technology, engineering, and SDN Software defined USE:

math

networking USE: STEM

Scientific computing **SDRAM** UF:

Computational science UF: Synchronous DRAM BT: Computer applications Synchronous dynamic

random access memory

Scientific publishing BT: Random access memory Publishing

Sea animals

Scintillation counters USE: Marine animals

BT: Measurement

Sea coast



BT: 0ceans Sea surface temperature

> Ocean temperature USE:

> > Sealants

Sea floor

UF: Seafloor Sea vegetation

BT: 0ceans USE: Marine vegetation

RT: Sediments

0ceans

0ceans

NT: Sea floor roughness Seafloor

Sea floor USE:

Sea floor roughness

RT:

BT:

BT: Sea floor Sealants

USE: Sealing materials

Sea ice

BT: Sealing materials Ice

BT: Joining materials

UF:

Sea level RT: Seals

> RT: Ocean circulation Seals

BT:

Mechanical products

Sea measurements RT: Packaging

UF: Current measurement Sealing materials (water) Structural rings

BT: Geophysical NT: Gaskets

measurements Hermetic seals

0ceans RT:

> Remote sensing **Seaports** Salinity (geophysical) UF: Sea ports

Sonar measurements BT: Industrial facilities

NT: Geoacoustic inversion Transportation

RT: Marine transportation

Sea ports Marine vehicles

USE: Seaports Search engines

Sea state BT: Information retrieval

BT: Measurement Ocean waves Search methods

RT: Marine navigation BT: Information retrieval

> Sea surface roughness RT: Genetic algorithms Gradient methods Nearest neighbor

Sea surface BT: 0ceans methods

Surface waves RT: Optimization methods

Wind Ranking (statistics)

Sea surface roughness NT: Keyword search

Sea surface salinity Metasearch Search problems

Sea surface roughness Semantic search

Sea surface Web search Sea state

Search problems

Sea surface salinity BT: Search methods

BT: Sea surface RT: Artificial bee colony

RT: Salinity (geophysical) algorithm



NT:

BT:

RT:

Seat belts Capability-based

> USE: Belts security

> > Computer security

Control system Sebaceious glands

USE: Sebaceous glands security

Cryptography Sebaceous glands Data security

UF: Sebaceious glands Digital signatures BT: Glands Information security Skin Network security

Power system security

Second Life Reconnaissance

Security management

services Terrorism Watermarking

Secondary cells

BT:

Batteries USE: Security management

BT: Management Secondary electron emission Security

USE: Electron emission Security of data

Secondary generated hot electron USE: Data security

injection

Secondary generated UF: **Sediments**

hot-electron injection

Social network

Hot carrier injection BT: Geoscience RT: Lakes

Secondary generated hot-electron Rivers injection Sea floor

Secondary generated Soil.

hot electron injection

Secondary ion emission USE: Thermoelectricity

USE: Ion emission

Seismic measurements

Secure storage UF: Seismic visualization

BT: BT: Geophysical Material storage

RT: Security measurements

Acoustic measurements RT: Security

Seismology BT: Industry applications

Anti-virus software RT: Seismic retrofitting

> Biometrics (access USE: Earthquake engineering

UF:

Seebeck effect

Mud

Bring your own device Seismic visualization

Business continuity Seismic measurements USF:

Identification of

persons Seismic waves

> Malware BT: Waves

Protection RT: Acoustic waves Secure storage Earthquakes Surveillance Elastodynamics Explosions

NT: Access control Seismology Alarm systems



control)

Shock waves BT: Cognition

Seismology

BT: Geophysics

RT: Earthquake engineering

Earthquakes

Seismic measurements

Seismic waves Well logging

Selective laser sintering

USE: Laser sintering

Selectively doped heterojunction

transistors

USE: **MODFETS**

Selenium

BT: Chemical elements

Self organising feature maps

Self-organizing USE:

feature maps

Self organizing feature maps

Self-organizing USE:

feature maps

Self organizing maps

Self-organizing USF:

feature maps

Self organizing networks

USE: Self-organizing

networks

Self replicating machines

Self-replicating USE:

machines

Self testing

USE: Automatic testing

Self-assembly

BT: Nanotechnology

Biological cells RT:

Programming

Semiconductor device

manufacture

Thin films

NT: Electrostatic self-

assembly

Self-driving automobiles

USE: Autonomous automobiles

Self-driving car

Autonomous automobiles USF:

Self-dynamic voltage scaling

USE: Dynamic voltage

scaling

Self-organizing feature maps

UF: Kohonen maps

SOM

Self organising

feature maps

Self organizing

feature maps

Self organizing maps Self-organizing maps

Artificial neural BT:

networks

RT: Feedforward neural

networks

Knowledge acquisition

Self-organizing maps

Self-organizing USE:

feature maps

Self-organizing networks

UF: Self organizing

networks

BT: Wireless networks

Self-replicating machines

Self replicating UF:

machines

Nanotechnology

Self-study courses

BT:

BT: Educational programs

Self-testing

Built-in self-test USF:

Self-tuning regulators

USE: Adaptive control

USE: Scanning electron

microscopy

Self-aware



SFM

Semantic search USE: Semiconductor

> BT: Search methods materials

> > Semantics

Semi-supervised Learning RT: Context awareness

> Natural language USE: Semisupervised

processing learning

Ontologies

Query processing

Semantic Web

Semantic technology

BT: Information technology

Semantics

RT: Data models

Encoding

Natural language

processing

Semantic Web

Semantic triple

USE: Triples (Data

structure)

Semantic Web

BT: Internet Artificial RT:

intelligence

Content management

Data models

Distributed computing Document handling

Knowledge management

Linked data Markup languages

Ontologies

Ranking (statistics) Semantic search Semantic technology

NT:

Resource description

framework

Semantics

BT: Semiotics

> RT: Natural language

processing

Professional

communication

Sign language

NT: Semantic search

Semantic technology

Semi-insulating materials

Semiconductivity

BT: Conductivity

Electron devices

RT: Charge carriers

Semiconductor alloys

USE: Semiconductor

materials

Semiconductor charge carriers

Charge carrier USE:

processes

Semiconductor controlled rectifiers

USE: Thyristors

Semiconductor counters

UF: Junction detectors BT: Semiconductor devices RT: Position sensitive

particle detectors

Semiconductor detectors

BT: Detectors

Semiconductor devices

RT: Absorption

Particle charging

Semiconductor device breakdown

BT: Failure analysis RT: Semiconductor device

reliability

Semiconductor device

testing

Tolerance analysis

Semiconductor device doping

Semiconductor doping UF:

Semiconductor device BT:

manufacture

RT: Doping

> Quasi-doping Semiconductor

Semiconductor device manufacture



materials

BT: Electronic equipment Semiconductor device

manufacture

RT: Fiducial markers

Gettering

Ion implantation Microassembly Micromachining Nanotechnology

Self-assembly

Semiconductor devices Surface cleaning

Surface contamination Diffusion processes

Flip-chip devices

High-k gate

dielectrics

Quasi-doping

Semiconductor device

doping

Semiconductor

epitaxial layers

NT:

Semiconductor growth

Silicidation Wafer bonding

Semiconductor device measurement

BT: Measurement

RT: Refractive index

Semiconductor device

noise

Semiconductor device

reliability

Semiconductor device

testing

Semiconductor device modeling

UF: Semiconductor device

models

BT: Modeling

Semiconductor devices

RT: Semiconductor device

noise

Semiconductor device models

USE: Semiconductor device

modeling

Semiconductor device noise

Semiconductor devices RT.

RT: Integrated circuit

noise

Semiconductor device

and manufacturing technology

BT:

Semiconductor device packaging

Integrated circuit RT:

packaging

modeling

Semiconductor devices

Components, packaging,

Semiconductor device reliability

BT: Reliability

Semiconductor device RT:

breakdown

Semiconductor device

measurement

Semiconductor device testing

Testing BT:

Semiconductor device

breakdown

Semiconductor device

measurement

Semiconductor devices

RT:

UF: SIS devices

(semiconductor)

Semiconductor-

insulator-semiconductor devices

BT: Flectron devices

RT: Contacts

Epitaxial growth

Field effect

transistors

applications

devices

effects

annealing

packaging

manufacture

Heterojunction bipolar

transistors

Hot carriers

Integrated circuits

Molecular beam

Photoconducting

Proton radiation

Rapid thermal

Semiconductor device

Semiconductor device

Silicon-on-insulator

Varistors

NT: Flip-chip devices

Gunn devices



measurement

Hall effect devices USE: Electronics industry

Junctions

MIS devices Semiconductor epitaxial layers MONOS devices UF: Silicon epitaxial

P-i-n diodes

layers Piezoresistive devices BT: Semiconductor device

Power semiconductor manufacture

devices Power semiconductor

Semiconductor films switches

Ouantum dots BT: Films

> Quantum well lasers RT: Buffer layers

SONOS devices

Schottky diodes Magnetic field induced

Semiconductor counters

Semiconductor

detectors Semiconductor device

modeling

Semiconductor device

noise

Semiconductor diodes

Semiconductor lasers BT:

Semiconductor manufacture

waveguides Semiconductor-

insulator interfaces

Silicon devices

Superluminescent

diodes

Surface emitting

lasers

Thermistors **Transistors**

Semiconductor diodes

BT: Semiconductor devices

RT: Diodes

Magnetic field induced

strain

P-n junctions

P-i-n diodes NT:

Schottky diodes

Semiconductor-metal

interfaces

Superluminescent

diodes

Varactors

Semiconductor doping

USE: Semiconductor device

doping

Semiconductor electronics industry

RT:

Dielectric thin films

Bipolar transistors

strain

Semiconductor growth

Semiconductor

materials

Thick films Thin films

Semiconductor growth

Semiconductor device

Buffer layers RT:

> Crystal growth Epitaxial layers Semiconductor films

Semiconductor

materials

Semiconductor impurities

BT: **Impurities**

RT: Charge carrier

processes

Plasma immersion ion

implantation

Semiconductor

materials

Semiconductor industry

Electronics industry USE:

Semiconductor laser arrays

BT: Semiconductor lasers

Semiconductor lasers

UF: Injection lasers

Junction lasers Laser diodes

BT: Lasers

Semiconductor devices

Solid lasers



RT: Molecular beam III-V semiconductor

applications Optical transmitters

Refractive index

NT: Laser tuning

> Ouantum dot lasers Quantum well lasers

> Semiconductor laser

arrays

Semiconductor optical

amplifiers

Surface emitting

lasers

Semiconductor materials

UF: Pseudobinary

semiconductors

Semi-insulating

materials

Semiconductor alloys

BT: Materials

RT: Acoustoelectric

effects

Charge carriers

Conducting materials

Crystals **Excitons**

High-k dielectric

materials

Photoconducting

materials

Radiative

recombination

Semiconductor device

doping

Semiconductor films

Semiconductor growth

Semiconductor

impurities

Semiconductor thin

films

Silicon compounds

Tunneling

NT:

Amorphous

semiconductors

Deep level transient

spectroscopy

Elemental

semiconductors

Gallium

Gallium arsenide

Germanium

II-VI semiconductor

materials

Indium gallium

arsenide

Indium phosphide

Magnetic

semiconductors

Organic semiconductors

Semiconductor

superlattices

Silicon

Silicon germanium

Substrates Wide band gap

semiconductors

Semiconductor memory

BT: Memory

RT: Integrated circuits

Semiconductor nanostructures

BT: Nanostructures

Semiconductor nanotubes

Nanotubes RT.

Semiconductor optical amplifiers

UF:

BT: Optical amplifiers

Semiconductor lasers

Optical transmitters RT:

Quantum well lasers

Semiconductor process modeling

BT: Modeling

RT: Circuit simulation

Semiconductor quantum wells

Ouantum wells USE:

Semiconductor radiation detectors

BT: Radiation detectors

Semiconductor superlattices

BT: Semiconductor

materials

Superlattices

Semiconductor thin films

BT: Thin films

RT: Epitaxial growth

Gallium

Germanium



materials

Semiconductor Phonetics

materials Professional

Silicon communication

Semiconductor waveguides

NT: Pragmatics
Semantics

Semantics Syntactics

Semiconductor-insulator interfaces Semisupervised learning

BT: Semiconductor devices UF: Semi-supervised

RT: CMOSFETs learning

Semiconductor devices

BT:

MIM devices BT: Learning systems
MIS devices RT: Supervised learning
MOS devices Unsupervised learning

Silicon-on-insulator
Senior citizens

Semiconductor-insulator-semiconductor UF: Elderly devices BT: Social groups

USE: Semiconductor devices RT: Aging

Semiconductor-metal interfaces

UE: Metal-semiconductor Gerontology

UF: Metal-semiconductor Gerontology interfaces

BT: Semiconductor diodes Sense and avoid

RT: Magnetic field induced USE: Collision avoidance

strain Schottky diodes Sense organs

NT: Schottky barriers BT: Anatomy
NT: Ear

Semicustom integrated circuits Eyes

USE: Application specific Multisensory

integrated circuits integration

Nose Olfactory bulb

BT: Educational programs Taste buds
NT: Webinars Visual systems

Semiology Sensitivity

USE: Semiotics BT: Measurement

RT: Circuit analysis
Semiosis Control systems
USE: Semiotics Robustness

Tolerance analysis
Semiotic studies NT: Sensitivity analysis

emiotic studies NI: Sensitivity analysis
USE: Semiotics

Semiotics Sensitivity analysis
BT: Sensitivity

UF: Semiology

Semiosis Sensitivity and specificity

Semiotic studies BT: Biomedical measurement BT: Communication symbols Medical diagnosis

RT: Communication symbols

Linguistics Sensor arrays

Natural language BT: Arrays processing

pi deessang



Sensor systems and Chemical and

applications biological sensors

NT: Sensor fusion Electromechanical

sensors

Force sensors

Magnetic sensors

Thermal sensors

Page 481

Sensor fusion

BT: Sensor arrays Infrared sensors Kalman filters RT: Intelligent sensors Multimodal sensors Intracranial pressure

NT: Multisensor systems sensors

Ionizing radiation

Sensor phenomena and characterization sensors

Sensors

BT:

devices

RT:

Mechanical sensors Sensor systems Multimodal sensors

BT: Aerospace and Nanosensors electronic systems Optical sensors Sensor systems and Optoelectronic and

photonic sensors applications

> RT: Navigation Pressure sensors NT:

Activity recognition Sensor phenomena and

Gunshot detection characterization

systems Sensor systems and

applications Sensor systems and applications

> BT: Sensors Thick film sensors NT: Thin film sensors Detectors Electric sensing Vision sensors

Wearable sensors

Radiofrequency Sensors (image)

Leak detection

identification USE: Image sensors

Robot sensing systems

Sensory aids Sensor arrays

Sensor systems BT: Medical services RT: Assistive technology

Sensorless control Biomedical equipment BT:

Control systems Orthotics AC machines Prosthetics DC machines NT: Hearing aids

Drives

Induction motors Sentiment analysis

Inductive power BT: Computational

transmission linguistics

Motor drives Natural language

Motors processing

RT: Emotion recognition Sensors Information analysis

UF: Sun sensors

Capacitive transducers RT: Separation processes

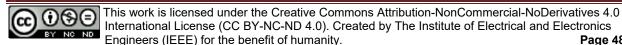
Magnetostrictive BT: Materials science and

devices technology

Wireless sensor NT: Fractionation

networks Particle separators

Acoustic sensors NT:



Service computing Separators

> Particle separators BT: Information technology USE:

> > RT: Business

September 11 Cloud computing

> Process design Service-oriented

Sequence analysis architecture

Terrorism

Service-oriented Sequences

systems engineering

Web services

Service-oriented architecture

SOA

Service-oriented systems engineering

SOSE

Robots

Home automation

Wearable robots

Service oriented

Manipulators Mobile robots

BT:

RT:

UF:

UF:

Sequence analysis Service oriented architecture

Mathematics Service-oriented USE:

RT: Codes architecture

Binary sequences NT: Service robots

Random sequences

Sequencing

Digital sequences

USE: Sequential analysis

Sequential analysis

USE:

USE:

UF:

BT:

BT:

Sequences

UF: Sequencing

System analysis and BT:

design

NT: Zero correlation zone

architecture Sequential circuits Service-oriented

UF: Sequential logic architectures

circuits BT: Web services

> BT: Circuits RT: Service computing

> > Service-oriented

Sequential diagnosis systems engineering

System analysis and design Service-oriented architectures

USF: Service-oriented

Sequential logic circuits architecture

USE: Sequential circuits

Sequential production

USE: BT: Flow production Systems engineering

and theory systems

RT:

Formal specifications Service computing Serious games

USE: Games Service-oriented

architecture Servers

Software engineering BT: Client-server systems

RT: Network function Servo control

virtualization USE: Servosystems

NT: Web servers

Servo-control

Service composability USE: Servosystems USE: Interoperability

Servomechanisms





BT: Servomotors BT: Markup languages

RT: Actuators

Manipulators Shadow mapping

UF: Projective shadowing

Servomotors Shadowing

UF: Servos BT: Computer graphics BT: Motors RT: Three-dimensional

Rotating machines displays

Servosystems

NT: Servomechanisms Shadowing

USE: Shadow mapping

Servos
USE: Servomotors

BT: Machine components

Servosystems Production
UF: Servo control RT: Couplings

Servo-control Gears

BT: Control equipment Machine tool spindles

RT: Actuators Mechanical power

Manipulators transmission

Motion control Mechanical splines

Shafts

Motor drives Pistons
Position control Propellers

Robots Torque converters

Velocity control NT: Camshafts

NT: Servomotors Shape

Set theory BT: Graphics
BT: Algebra RT: Geometry

Algebra RT: Geometry
Mathematics Pattern recognition

RT: Boolean algebra Shape control
Maximum likelihood Shape measurement

estimation

NT: Fuzzy set theory Shape control

Fuzzy sets BT: Mechanical variables

Rough sets control

RT: Shape

SEU

SF6

USE: Single event upsets Shape measurement

BT: Measurement

Sewage treatment RT: Shape

BT: Waste handling
RT: Pollution Shape memory alloys

Pollution control BT: Alloying Sanitary engineering RT: Actuators

Sludge treatment

Water pollution Shape memory material

USE: Smart materials

USE: Sulfur hexafluoride Shape memory technology

USE: Smart materials

SGML
UF: Standard Generalized Share prices

Markup Language BT: Economic indicators



BT: Suspensions

Shared Ledger (mechanical systems)

USE: Distributed ledger RT: Automotive components

Damping Springs

Sharing economy

BT: Economics Vibration control

Shearing Shock waves

Sheet metal processing

BT: Materials processing BT: Waves
RT: Sheet metal processing RT: Aerodynamics
Seismic waves

Sheet materials

USE:

BT: Materials Shoe manufacture

Structural shapes USE: Footwear industry

Shoes

RT: Sandwich structures

Structural panels USE: Footwear Thin wall structures

Short circuit currents

Sheet metal processing USE: Short-circuit currents BT: Manufacturing systems

RT: Blanking Short-circuit currents

Embossing UF: Short circuit currents
Punching BT: Current

Shearing BI: Current

Sheet materials Shortest path problem

UF: Shortest-path-problem

Shewhart charts BT: Graph theory

Shortest-path-problem

Shift registers USE: Shortest path problem BT: Registers

RT: Logic circuits Shoulder

Control charts

NT: Linear feedback shift BT: Extremities registers NT: Axilla

Shipbuilding industry Shunts (electrical)

UF: Boat building industry BT: Electric current

BT: Manufacturing control

industries Photovoltaic effects RT: Construction industry

Si

Ships USE: Silicon

USE: Marine vehicles

Shock USE: Silicon carbide

USE: Electric shock

Sick pay
Shock (mechanics)

USE:

Nock (mechanics)

BT: Mechanical factors

USE: Employee welfare

Side channel attacks

Shock absorbers USE: Side-channel attacks

UF: Dampers

Side-channel attacks



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Page 484

SiC

UF: Side channel attacks

BT: Cryptography Signal denoising

UF: Signal de-noising SiGe BT:

Signal reconstruction USE: RT: Signal resolution Silicon germanium

Signal restoration

Sigma delta Signal to noise ratio USE: Sigma-delta modulation

Signal design

Sigma-delta modulation BT: Signal processing

UF: Delta sigma Sigma delta Signal detection

Delta modulation BT: UF: Detection (signal)

BT: Signal processing Blind source Sign language RT:

> Gesture recognition BT: separation

RT: Channel estimation Assistive technology

Deafness Correlators Semantics Decision making Demodulation

Signal analysis Pattern clustering

UF: Waveform analysis Receivers

Signal processing BT: Signal resolution Autocorrelation RT: Source separation

Blind source Time of arrival estimation

separation Frequency-domain NT: Acoustic signal

analysis detection

> Motion detection Pattern clustering Power system faults Multiuser detection

Rate distortion theory Optical signal detection

Signal resolution Speech analysis Phase detection

Total harmonic Radar detection

Transient analysis Signal estimation

> Wavelet transforms USE: Estimation

NT: Discrete-event systems

Signal flow graphs Harmonic analysis

USE: Parameter estimation Flow graphs Signal mapping

Spectral analysis Signal generators

UF: Function generators Signal classification Waveform generators

Pattern classification Signal processing USE: BT: NT: Noise generators

Signal constellation Pulse generation USE: Constellation diagram

Signal integrity BT: Signal processing Signal de-noising

USE: Signal denoising Signal mapping

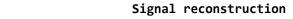
Signal decomposition BT: Signal analysis

USE: Signal resolution



distortion

Signal processing Digital signal UF: Vibrational signal processing Dispersion processing RT: Analog processing Distortion circuits Error correction Antennas and Fading channels propagation Filters Band-pass filters Frequency locked loops Bandwidth Geophysical signal Biomedical computing processing Bit rate Limiting Correlators Modulation Multidimensional Data processing Decoding signal processing Noise Deconvolution Digital signal Optical signal processing processors Discrete Fourier Optical wavelength transforms conversion Empirical mode Phase locked loops decomposition Pulse compression Encoding methods Estimation Pulse shaping methods Estimation theory Quantization (signal) Feature extraction RF signals Fourier series Radar signal Gaussian noise processing Independent component Received signal analysis strength indicator Matrix decomposition Recording Pattern clustering Signal analysis Prediction methods Signal design Signal detection Random processes Rate distortion theory Signal generators Signal integrity Stability analysis Structure from motion Signal reconstruction Signal resolution Synapses Signal restoration System-on-chip Transforms Signal sampling Transversal filters Signal synthesis Source separation Vectors Wavelet transforms Spectrogram NT: Acoustic signal Tracking loops processing Adaptive signal Signal processing algorithms BT: Algorithms processing Amplifiers Array signal Signal quantisation USE: Quantization (signal) processing **Attenuators** Chirp Signal quantization





Convolution

Decorrelation

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Page 486

USE:

Quantization (signal)

BT: Signal processing Signal-to-noise ratio

RT: Inverse problems Signal to noise ratio USE:

Signal sampling

Signal to noise ratio Signal-to-noise-ratio

NT: Signal denoising USE: Signal to noise ratio

Signal representation Signaling block systems

BT: USE: Block signalling Modeling

RT: Approximation methods

> Wavelet transforms Signaling systems

USE: Communication system

Signal resolution signaling Signal decomposition

UF:

Signal processing BT: Signalling block systems

Array signal RT: USE: Block signalling

processing

Signal analysis Signature detection Signal denoising USE: Handwriting

Signal detection recognition

Spectral analysis NT: Diversity reception Signature verification

USE: Handwriting

Signal restoration recognition

> BT: Signal processing RT: Deconvolution Silica

Distortion USE: Silicon compounds

Signal denoising

Silicidation

Signal sampling Semiconductor device BT:

manufacture BT: Signal processing RT: Quantization (signal)

Sampling methods Silicides

Signal reconstruction BT: Silicon compounds

Silicon Signal separation

> USE: Source separation UF: Si

Signal synthesis Siliconization

Signal processing Semiconductor BT: BT:

Speech synthesis RT: materials

Amorphous

Signal to noise ratio semiconductors

UF: S/N Elemental

SNR semiconductors

Signal-to-noise ratio

Semiconductor thin Signal-to-noise-ratio

Noise films BT:

RT: Filters Silicon compounds Noise figure Silicon devices RAKE receivers Silicon germanium

Signal denoising Silicon-on-insulator Signal reconstruction NT: Amorphous silicon

Silicon materials

Epitaxial growth

PSNR Porous silicon Silicon alloys



NT:

Silicon photonics Silicon

Silicon-on-insulator

Substrates

Silicon

Transistors

Silicon alloys

BT: Silicon

RT: Alloying

Germanium silicon NT:

alloys

Silicon carbide Silicon nitride

> UF: SiC BT: Nitrogen

BT: Silicon compounds Silicon compounds

Silicon materials

USF:

Silicon compiler Silicon on insulator

> BT: Computer aided USE: Silicon-on-insulator

manufacturing

Silicon on insulator technology Integrated circuit RT:

Silicon-on-insulator manufacture USF:

Silicon compounds Silicon on sapphire

> UF: Silica UF: Silicon-on-sapphire Silicon dioxide BT: CMOS technology

Compounds Silicon-on-insulator BT:

Critical current Substrates RT: RT:

density Semiconductor Silicon photonics

BT: materials Photonics

> Silicon Silicon

Wide band gap RT: Optical fiber

semiconductors communication Silicides NT:

Silicon carbide Silicon radiation detectors

> Silicon nitride BT: Radiation detectors

RT: Ionizing radiation

Silicon controlled rectifiers USE:

Thyristors Silicon-on-insulator UF: SOI

Silicon devices SOS (silicon on

BT: Semiconductor devices sapphire)

Silicon on insulator Doping Photonics Silicon on insulator

Silicon technology

Silicon-on-insulator Silicon dioxide technology

USE: Silicon compounds BT: Circuits

RT: Double-gate FETs

Integrated circuits Silicon epitaxial layers Semiconductor Interface states

USE: Junctionless nanowire

epitaxial layers transistors

Silicon germanium Proton radiation

UF: effects SiGe

BT: Semiconductor Semiconductor devices

materials Semiconductor-

insulator interfaces Germanium RT:



RT:

Silicon Matlab

Silicon germanium Monte Carlo methods Thin film circuits Numerical simulation Silicon on sapphire Reduced order systems

NT: Computer simulation

Silicon-on-insulator technology Digital simulation Silicon-on-insulator USF: Hardware-in-the loop

simulation

Silicon-on-sapphire Medical simulation

> USE: Silicon on sapphire Systems simulation

Silicon-oxide-nitride-oxide-silicon Simulation Program with Integrated

> SONOS devices Circuit Emphasis USE:

USE: **SPICE** Siliconization

Silicon Simulation results USE:

> USF: Simulation

Silver UF: Ag

NT:

Simultaneous localization and mapping

BT: Metals UF: SLAM

BT: Robot sensing systems SIMO communication

Single input multiple UF: Single atom lasers

output systems USE: Atom lasers

BT: Communication systems

> Single electron devices RT: Antenna arrays

Diversity reception BT: Circuits and systems Feedback Electron devices

MIMO communication Nanoscale devices RT:

MTSO communication Nanotechnology Optical materials Resonant tunneling

Radio communication devices

SISO communication NT: Single electron memory

BT:

Single electron

Single electron

Simple object access protocol transistors

> UF: **SOAP**

BT: Web services Single electron memory

Simulated annealing devices

> NT: BT: Mathematics Hetero-nanocrystal

Optimization methods memory

RT: Annealing

> Monte Carlo methods Single electron transistors

> Relaxation methods UF: Single-electron

transistors

Single electron Simulation BT:

> Simulation results UF: devices

> > Modeling

RT: Application Single event latchup

Proton effects virtualization BT: Radiation effects Computer aided

analysis

Computer graphics Single event transients Emulation BT: Ionization



BT:

BT: Total quality

Single event upsets management

> UF: RT: Quality assurance BT: Ionization Quality control

Single input multiple output systems Size control

> SIMO communication Mechanical variables USF: BT:

> > control

Single input single output systems RT: Thickness control

> USE: SISO communication

Size measurement

Single machine scheduling BT: Measurement

RT: BT: Scheduling Area measurement RT: Optimization methods Length measurement Thickness measurement

Volume measurement

Single photon emission computed tomography NT: Functional point

UF: **SPECT**

analysis BT: Computed tomography

RT: Cancer Skeleton

Collimators BT: Musculoskeletal system Phantoms NT: Bones

Tumors Joints Spine

Single-electron transistors Thorax USE: Single electron

transistors Skin

BT: Integumentary system

Single-wall carbon nanotubes Dermis NT: Carbon nanotubes USF:

Epidermis

Sebaceous glands Singular value decomposition Sweat glands BT: Matrices

Skin cancer

SIS devices (semiconductor) UF: Basal cell carcinoma

> Semiconductor devices BT: Cancer NT: Melanoma

SIS devices (superconductor) Superconducting Skin effect USE:

devices BT: Current density

RT: Conductors SISO communication

Power systems Single input single UF: Resistance

output systems System analysis and

BT: Communication systems design RT: Antenna arrays

Diversity reception Skin neoplasms

> MIMO communication BT: Neoplasms

MISO communication Radio communication Skull

SIMO communication BT: Head Transmitters RT: Bones

Six sigma **Skyrmions**



BT: Solitons BT: Planar transmission

lines

Slabs NT: Slot line components

BT: Structural shapes

USE: Slot lines

BT: Industrial waste RT: Fly ash

Simultaneous

Fly ash Slotline components
Waste disposal USE: Slot line components

RT:

Velocity measurement

Slotline

Waste management

Slow light

SLAM BT: Light sources

localization and mapping

USE:

Slag

SLD Sludge treatment
UF: Activated sludge

USE: Superluminescent process

diodes BT: Waste handling RT: Pollution control

Sleep Sewage treatment
BT: Brain Wastewater

NT: Sleep apnea Wastewater treatment

Sleep apnea Slurries

Snore signals
Snoring

Snoring Small business technology transfer
BT: Medical conditions BT: Technology transfer

Medical conditions BT: Technology transfer Sleep

Small cell networks

Sleep apnoea USE: Microcell networks

USE: Sleep apnea
Small satellites

Slideways (mechanical) UF: Microsatellites

USE: Mechanical guides Miniaturized

satellites

Sliding mode control

UF: Sliding-mode control

Nanosatellites
Smallsats

BT: Control systems

BT: Satellites

NT: CubeSat

Sliding-mode control
USE: Sliding mode control Smallsats

USE: Sliding mode control Smallsats
USE: Small satellites

Slot antennas
BT: Antennas SMAP mission

UF: Soil Moisture Active

Slot line components Passive mission

UF: Slotline components BT: Soil moisture

BT: Slot lines

Slot lines USE: Intelligent actuators

UF: Slotline



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Smart actuators

Smart buildings

BT: Buildings Smart power grids

BT: Power grids

Smart cameras RT: Cyber-physical systems

Energy informatics

Computer vision Microgrids
Distributed vision Smart meters

Transactive energy

NT: Vehicle-to-grid

Martensite

Smart cards
BT: User interfaces Smart health

RT: Access control USE: Smart healthcare

Data processing

Cameras

BT:

RT:

BT:

networks

Smart healthcare

Smart cities UF: Smart health

Intelligent structures Smart medical services
Urban areas BT: Medical services

RT: Buildings RT: Electronic healthcare

Construction industry Point of care Cyber-physical systems Smart devices Energy informatics

Smart homes

Smart clothing BT: Buildings

USE: Smart textiles Home automation

Smart contracts Smart manufacturing

BT: Contracts UF: Smart factories Protocols BT: Manufacturing

RT: Intelligent

Smart devices manufacturing systems

BT: Electronic equipment Smart devices
Wireless communication Smart materials

RT: Smart glasses
Smart healthcare Smart materials

Smart manufacturing UF: Shape memory material

Shape memory

Smart elastomers technology

USE: Dielectric elastomers BT: Materials RT: Austenite

Smart fabrics Azobenzene

USE: Smart textiles Dielectric elastomers

Smart factoriesMetamaterialsUSE:Smart manufacturingPolycaprolactoneSmart manufacturingSmart manufacturing

Smart garments

USE: Smart textiles

NT: Biomimetic materials

Smart textiles

Smart glasses
UF: Smartglasses

BT: Wearable computers USE: Smart healthcare

RT: Smart devices

Smart meters

Smart grids BT: Meter reading

UF: Smart microgrids



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Page 492

Smart medical services

RT: Automatic meter BT: Materials processing

reading

RT: Blast furnaces Heat treatment Smart grids

Melt processing Metals industry

Smart microgrids

UF:

BT:

RT:

USE: Smart grids

SMES

Smartphones Mobile handsets

Smart pixels

Smart phones

BT: Image processing

RT: Integrated

optoelectronics

Bring your own device

Optical switches

Smart power grids

USE: Smart grids

Smart sensors

USF: Intelligent sensors

Smart structures

USE: Intelligent structures

Smart textiles

Electronic textiles UF:

> Smart clothing Smart fabrics

Smart garments BT: Smart materials

RT:

Smart transportation

Wearable computers

BT: Transportation

RT: Automated highways

Intelligent

transportation systems

Intelligent vehicles

Smart materials

Smart TV

BT: TV

Internet RT:

Smartglasses USE: Smart glasses

USE: Smart phones USE: Superconducting

Refining

magnetic energy storage

Smoke detectors

BT: Alarm systems RT: Domestic safety

Fires

Ionization chambers

Safety devices

ZigBee

Smoothed particle hydrodynamics

USE: Fluid flow AND

Hydrodynamics

Smoothing methods

BT: Mathematics

SMOS mission

UF: Soil moisture and

ocean salinity

Soil moisture and

ocean salinity mission

Ocean salinity BT:

Soil moisture

SMPS

USE: Switched mode power

supplies

SMPTE

UF: Society of Motion

Picture and Television Engineers

Standards BT:

organizations

SMPTE Standards

BT: Standards publications

Sn

USE: Tin

Snake bots

USE: Snake robots

Snake robots **Smelting**



Smartphones

UF: Snake bots NT: Persuasive systems Snakebots Social intelligence

BT: Robots

Social engineering (security)

Snakebots BT: Information security
USE: Snake robots RT: Human factors

Human factors Psychology Social factors

Snore activity

USE: Sleep apnea

Sleep apnea

Social factors

Snore signals BT: Social implications of

USE: Sleep apnea technology

RT: Bio-inspired computing Snoring Digital divide

Digital divide Governmental factors

International

Snow

USE:

BT: Meteorology International

RT: Ice relations

Philosophical

collaboration

SNR considerations

USE: Signal to noise ratio Social engineering (security)

(Security

SNS devices Social intelligence USE: Superconducting Technology planning

devices NT: Demography

Technology social

Snubbers factors

BT: Power electronics
Social groups

SOA BT: Sociology

USE: Semiconductor optical NT: Millennials amplifiers AND Senior citizens

. Service-oriented

architecture Social implications of technology

SOAP UF: Orange technology RT: Cyberethics

USE: Simple object access Digital divide

protocol NT: Cultural differences

Environmental factors
SOC Ethical aspects

USE: System-on-chip Ethical aspects Ethics

Globalization

International

USE: Sports relations

Social computing Peace technology
Philosophical

BT: Collaborative work considerations

Internet Social factors
RT: Behavioral sciences Sustainable

Behavioral sciences Sustainable Crowdsourcing development

Social computing Technology
Social network

services Social intelligence



Soccer

BT: Behavioral sciences Collective RT:

Social computing intelligence

Sociology

Cultural differences RT:

Social factors

Digital divide NT:

Social groups

Social intelligence

Social media Sociotechnical systems

> UF: USE: Social network Socio-technical

services systems

BT: Organizations

Social network services

UF: Social media

Social networking

Social networks Social-network

Information retrieval BT:

RT: Blogs

Crowdsourcing

Electronic mail

Internet

Social computing

Web sites

Computer mediated NT:

communication

Facebook Flickr

LinkedIn

YouTube

MySpace Second Life Twitter

Social networking

USE: Social network

services

Social networks

USE: Social network

services

Social-network

USE:

Social network services

Society of Motion Picture and Television Engineers

USE: SMPTE

Socio-technical systems

Sociotechnical systems

Sociology

BT: Science - general

Sockets

BT: Connectors

Sodium

BT: Chemical elements

Sodium chloride

USE: Chlorine compounds

Soft electronics

BT: Electronic equipment Flexible electronics RT:

> Inorganic materials Wearable computers

Soft lithography

UF: Microcontact printing

> Replica molding Replica moulding

Lithography BT: RT: Nanolithography

Nanopatterning

Soft magnetic materials

BT: Magnetic materials

Soft robotics

Soft robots UF:

BT: Robots

Soft robots

Soft robotics USE:

Soft switch

USE: Soft switching

Soft switching

UF: Soft switch

Softswitch

BT: Telecommunication

computing

RT: Routing



Softening

Softening UF:

(metallurgical)

Materials processing BT:

RT: Annealing

Softening (metallurgical)

USE: Softening

Softswitch

USE: Soft switching

Software

UF: Computer software

On-demand software

Computers and BT:

information processing

RT: Algorithms

> Computer languages Computer science

Courseware Documentation

Enterprise resource

planning

Firewalls (computing) Geospatial analysis Microprogramming

Programming

Software engineering Software protection Software standards

NT: Anti-virus software

Application software

Embedded software

Malware Middleware

Open source software

Optical character

recognition software

Privacy-invasive

software

Public domain software

Software agents Software as a service

Software debugging

Software maintenance Software packages

Software performance

Software quality Software reusability

Software safety Software systems

Software tools

System software

Software agents

BT: Software RT: Artificial

intelligence

Computer applications Distributed computing Intelligent systems Knowledge based

systems

Learning systems Mobile agents

NT: Agent-based modeling

Autonomous agents

Botnet

Intelligent agents

Software algorithms

BT: Algorithms

Software architecture

Software engineering BT: Distributed computing RT: NT: Client-server systems

> Dew computing Microarchitecture

Representational state

transfer

Software as a service

UF: On demand software

On-demand software

SaaS

Software-as-a-service

BT: Software

RT: Cloud computing

Information processing

Software debugging

BT: Software

RT: Programming

Programming

environments

NT: Software design

Software defined networking

UF: SDN

BT: Computer networks

RT: Application

programming interfaces

Cloud computing

Computer network

management

Distributed processing



Intelligent networks Computer aided

Mobile computing software engineering Network function Form

Formal verification

Programming

virtualization

Network operating

Network operating

systems

Operating systems

Protocols

Virtual machining Virtualization

Software defined radio

USE: Software radio

Software design

BT: Software debugging

RT: Web design
NT: Model driven

engineering

Usability

Software development management

BT: Engineering management RT: Release engineering

Scrum (Software

development)

Software product lines

NT: Agile software

development

Model-driven

development

Software documentation

USE: Documentation

Software engineering

BT: Computers and

information processing

RT: Code refractoring

Functional point

analysis

Rapid prototyping

Requirements

engineering

Service-oriented

systems engineering

Software

Static analysis

Systems Modeling

Systems Modeling

Language

Visual BASIC

NT: Capability maturity

model

environments

TIVE OF THE CITES

Reasoning about

programs

Release engineering

Runtime

Software architecture Software libraries Software product lines

Software libraries

BT: Libraries

Software engineering

RT: Algorithms

Matlab

Object oriented

programming

Python

Software reusability

Software maintenance

BT: Software

RT: Software product lines

Software measurement

BT: Measurement

Software packages

BT: Software

RT: Computer applications

Power system analysis

computing

EMTDC

PSCAD SPICE

Software performance

NT:

BT: Software

RT: Algorithmic efficiency

Capability maturity

model

Software piracy

USE: Computer crime

Software product lines

BT: Product development

Software engineering

RT: Software development

management

Software maintenance



Software protection

BT: Copyright protection

Legal factors

RT: Digital rights

management

Intellectual property

Software

Software prototyping

BT: System analysis and

design

Software quality

BT: Software

RT: Algorithmic efficiency

Software radio

UF: Reconfigurable radio

Software defined radio Software-defined radio

BT: Mobile communication

Radio communication

RT: Code division

multiplexing

Land mobile radio

Land mobile radio

cellular systems

Telecommunication

computing

Transceivers

Software reliability

BT: Reliability

Software reusability

UF: Software reuse

BT: Software

RT: Capability maturity

model

Object oriented

programming

Software libraries

Software reuse

USE: Software reusability

Software reviews

BT: IEEE indexing

Software safety

BT: Software

RT: Product safety

engineering

Software standards

BT: Standards categories

RT: ISO

ISO Standards

Software

Software systems

BT: Software

Software testing

BT: Testing

NT: Combinatorial testing

Fuzzing

Software tools

BT: Software

RT: Computer aided

software engineering

Programming Programming

environments

Visual BASIC

NT: Authoring systems

Software-as-a-service

USE: Software as a service

Software-defined radio

USE: Software radio

SOI

USE: Silicon-on-insulator

Soil

BT: Geoscience RT: Earth

Sediments

Soil measurements
Soil pollution

NT: Soil moisture

Soil properties Soil texture

Soil measurements

BT: Measurement

RT: Geophysical

measurements

Moisture measurement

Remote sensing

Soil

NT: Salinity (geophysical)

Soil moisture



BT: Soil USE: Polarimetry

NT: SMAP mission

SMOS mission

Solar power generation

UF: Solar generation

UF:
Soil Moisture Active Passive mission
BT:

sture Active Passive missionBT:Power generationUSE:SMAP missionRT:Building integrated

photovoltaics

Soil moisture and ocean salinity Solar energy

USE: SMOS mission Solar powered vehicles

Photovoltaic systems

Solar panels

Astronomy

NT: Maximum power point

Soil moisture and ocean salinity trackers

mission
USE: SMOS mission

Soil pollution Solar powered vehicles

BT: Land pollution BT: Electric vehicles
RT: Agriculture RT: Battery powered

Soil vehicles

Energy storage

Soil properties Solar power generation BT: Soil Traction motors

BT: Soil Traction motors

Vehicle-to-grid

Soil texture

BT: Soil **Solar radiation**

BT: Extraterrestrial

Solar cells phenomena

USE: Photovoltaic cells RT: Solar energy

Space radiation Solar cooling

BT: Cooling Solar system

Solar energy
BT: Energy resources
Planets
Planets
Solar energy
BT: Maximum payor point

RT: Maximum power point Satellites
Sun

trackers
Solar heating

Solar power generation Solder joints

Solar radiation USE: Soldering

Solar generation Soldering

USE: Solar power generation UF: Solder joints BT: Assembly

Solar heating Fabrication
BT: Energy conversion Joining proc

Energy conversion Joining processes
Heating systems RT: Bonding processes

Phase change materials Manufacturing
Solar energy Materials processi

Solar energy Materials processing Space heating Soldering equipment

BT:

NT: Brazing

Solar panels Flip chip solder

BT: Photovoltaic systems joints

Solar power generation Reflow soldering

Solar polarimetry Soldering equipment



RT:

BT: Production equipment NT: Circuit subsystems RT: Joining materials Circuit theory Joining processes FET circuits Soldering Gate leakage

Solid state circuit

Solderless breadboard design

> USF: Breadhoard Transistors

Solenoids Solid state lasers

> Solid lasers Magnetic devices USE: BT:

RT: Switches Transducers

Solid state lighting UF: Solid-state lighting

Solid lasers BT: Lighting

Color center lasers UF: Solid-state batteries Solid state lasers

Solid state batteries Solid-state lasers USF:

BT: Lasers

RT: Thermal lensing Solid-state circuit design

Thermooptical devices USE: Solid state circuit

NT: Microchip lasers design

> Ouantum well lasers Semiconductor lasers Solid-state circuits

Surface emitting Solid state circuits USE:

lasers

Solid-state lasers

Solid modeling USE: Solid lasers

BT: Modeling

RT: Solid-state physics Solid-state lighting

Virtual reality Solid state lighting USF:

Solid oxide electrolyzer cells Solid-state physics

USE: Fuel cells BT: Physics

> RT: Materials science and

Solid scintillation detectors technology

BT: Scintillation counters Quantum mechanics RT: Energy resolution Solid modeling

Medical diagnostic

Solids imaging BT: Spectroscopy Materials

RT: Crystals

Solid state batteries

Materials science and

Solid-state batteries technology UF:

BT: Batteries NT: Young's modulus

Solid state circuit design Solitons

> Solid-state circuit BT: Waves

design NT: Optical solitons

BT: Solid state circuits Skyrmions RT: Circuit synthesis

Solution design

Solid state circuits BT: Systems engineering

UF: Solid-state circuits and theory RT: Circuits and systems

Solvents UF: Synchronous optical

BT: Chemical processes network

RT: Methanol BT: Communication

standards

SOM USE: Self-organizing

USE: Self-organizing ETSI Standards feature maps Optical fiber

communication

Soma RT: Asynchronous transfer

UF: Somata mode

BT: Neurons Synchronous digital

Digital communication

RT: Brain hierarchy

Transport protocols

USE: Soma Sonification

BT: Audio systems

Sonar Information processing

BT: Aerospace and electronic systems Sonogram

RT: Acoustic arrays BT: Ultrasonography

Chirp modulation RT: Spectrogram Ultrasonic transducers

NT: Sonar applications SONOS devices

Sonar equipment UF: Silicon-oxide-nitride-

Synthetic aperture oxide-silicon

sonar BT: Semiconductor devices

Sonar applications Sorting

BT: Sonar BT: Data handling

RT: Sonar navigation RT: Merging NT: Sonar detection

Sonar measurements SOS (silicon on sapphire)

USE: Silicon-on-insulator

Sonar detection
BT: Acoustic signal SOSE

detection USE: Service-oriented

Sonar applications systems engineering

RT: Reflectivity

Sound systems

Sonar equipment USE: Audio systems

UF: Hydrophones
BT: Sonar Source coding

BT: Data compression

Sonar measurements Encoding

BT: Sonar applications Information theory
RT: Remote sensing RT: Rate distortion theory

Sea measurements Release engineering

Sonar navigation Source Location

BT: Navigation USE: Position measurement

RT: Sonar applications

Source separation

SONET

UF: Signal separation

BT: Signal processing



RT: Adaptive signal NT: Interplanetary

detection exploration

> Array signal Space missions

processing

Signal detection Space habitats

Blind source Buildings AND NT: USE: Space technology

separation

South America Space heating

BT: BT: Continents Heating systems RT: Building services

South Pole

Gas appliances Solar heating BT: Antarctica Temperature control

Vents Space based radar

Spaceborne radar USE: Space junk

Space born radar USE: Space debris

Spaceborne radar USE:

Space measurements USE: Extraterrestrial Space charge

BT: Charge carrier measurements

processes

Electrostatic Space missions

BT: Space exploration processes Pulsed electroacoustic RT: Interplanetary RT:

methods exploration NASA

Vacuum technology

Space communications Space phenomena

Telecommunications BT: USE: Extraterrestrial

NT: Deep-space phenomena

communications

Space power stations Space cooling UF:

Power stations (space) BT: Cooling BT: Space stations RT: Buildings RT: Power generation

Coolants

Refrigerants Space radiation BT:

Radiation effects Space debris RT: Ionization

> Orbital debris Solar radiation Space junk

Space waste Space shuttles

Space technology Space vehicles BT: BT: RT: Aerospace safety

USE: Spatial diversity

Space diversity Space stations

Artificial satellites BT: NT:

Space exploration International Space UF: Space travel Station

BT: Space technology Space power stations

RT: NASA

Space technology



UF:

UF: Space habitats Decoding

BT: Aerospace engineering Artificial satellites RT: Spaceborn radar

Extraterrestrial USE: Spaceborne radar

phenomena

Field programmable Spaceborne radar

analog arrays

NASA

Space vehicles

NT: Payloads Space debris

Space exploration

Space travel

USE: Space exploration radar

Space vector pulse width modulation Spacecraft materials

UF: **SVPWM**

BT: Pulse width modulation

RT: AC motors Spacial indices

Converters DC motors

Space vehicle electronics

Aerospace electronics USE:

Space vehicle instrumentation

USE: Aerospace electronics

Space vehicle navigation

USE: Space vehicles

Space vehicles

UF: Planetary landers

Space vehicle

navigation

BT: Vehicles

RT: Aerospace accidents

Aerospace control

Aerospace electronics

Aerospace materials

Aerospace safety

Artificial satellites

Ground support

Proton effects

Space technology

NT: Space shuttles

Space waste

USE: Space debris

Space-time codes BT: Codes

RT: Channel coding

UF:

BT:

RT:

USE: Aerospace materials

Radar

USE: Spatial indexes

Spam

Unsolicited electronic USE:

Satellite born radar

Space based radar

Space born radar

Spaceborn radar

Satellite borne radar

Radar remote sensing Synthetic aperture

mail

Spamming

USE: Unsolicited electronic

mail

Spark gaps

BT: Electromagnetic

analysis

RT: Air gaps

Electrodes Insulation Sparks Switches

Sparks

BT: Electric breakdown

RT: Spark gaps

Sparse matrices

UF: Sparse matrix BT: Numerical analysis

Sparse matrix

USE: Sparse matrices

Spatial augmented reality

BT: Augmented reality

Spatial coherence



BT: Image processing Special sections
BT: IEEE indexing

Spatial databases

BT: Databases Special sections

USE: Special issues and

Spatial diversity sections

UF: Antenna diversity
Space diversity

BT: Communication systems

Wireless communication

RT: Antennas

Quality of service Receiving antennas

Spatial filters

BT: Filters

Spatial indexes

UF: Spacial indices

BT: Indexes

Spatial resolution

BT: Image resolution RT: Image quality

Spatio-temporal phenomena

USE: Spatiotemporal

phenomena

Spatiotemporal phenomena

UF: Spatio-temporal

phenomena

BT: Chaos

RT: Nonlinear dynamical

systems

Pattern formation

Pattern matching

Pattern recognition

Speaker recognition

BT: Identification of

persons

RT: Biometrics (access

control)

Speech

Speech recognition

Viterbi algorithm

Special issues

USE: Special issues and

sections

Spectral domain

Special issues and sections USE: Spectral analysis

UF: Special issues

Specific absorption rate

UF: SAR

BT: Electromagnetic

interference

Specification languages

BT: Computer languages
NT: Domain specific

languages

Unified modeling

language

Speckle

BT: Optical noise

RT: Optical interferometry

Optical scattering

SPECT

USE: Single photon emission

computed tomography

Spectral analysis

UF: Power spectra

Spectral domain Spectral-domain Spectrum analysis Spectrum estimation

BT: Signal analysis

RT: Direction-of-arrival

estimation

Estimation

Frequency estimation Harmonic analysis Parameter estimation

Prediction methods Signal resolution Spectroscopy Speech analysis Time series analysis

Transforms

NT: Infrared spectra

Judd-Ofelt theory Spectroradiometers



Spectral efficiency Kirchhoff's Law

UF: Bandwidth efficiency MERIS

BT: Channel allocation Mass spectroscopy Measurement Neutron spin echo

RT: Bandwidth Photoacoustic effects

> Information processing Resonance light

scattering

Spectral shape BT: Acoustics Spectrum analysis

> USE: Spectral analysis

Spectral waterfall USE: Spectrogram Spectrum estimation

> Spectral analysis USE:

Spectral-domain USE: Spectral analysis Spectrum management

USE: Radio spectrum

Spectrogram management

> UF: Spectral waterfall Voice print Speech

> > Voicegram BT: Oral communication Voiceprint RT: Speaker recognition

BT: Signal processing RT: Sonogram Speech activity detection

USE: Voice activity

Spectrometry detection USE: Spectroscopy

Speech analysis

Spectroradiometers BT: Speech recognition RT: Cepstral analysis BT: Radiometers

> Frequency estimation Spectral analysis

MODIS Signal analysis Spectral analysis Speech coding Spectroscopy

UF: Spectrometry Speech synthesis BT: Measurement

RT: Atomic measurements Speech codecs

Bandwidth BT: Codecs Fourier series Communication

Infrared spectra equipment

Nuclear measurements RT: Decoding Radiation detectors Speech coding Solid scintillation Vocoders

detectors Spectral analysis Speech coding

Thermoreflectance Encoding BT:

Information theory

NT: Deep level transient RT: Audio coding

spectroscopy Rate distortion theory

Electrochemical Speech analysis impedance spectroscopy Speech codecs

Vector quantization Electron paramagnetic

resonance Vocoders

Fourier transform Voice activity

infrared spectroscopy detection



imaging

NT:

USE: Velocity control

Speech communication

USE: Oral communication Speed measurement

> USE: Velocity measurement

> > Simulation Program

Integrated circuits

Spin polarized

Spin polarized

Speech detection

USE: Voice activity SPICE

detection

UF:

with Integrated Circuit Emphasis Speech enhancement

pSPICE

USE:

USE:

USE:

Spin polarised transport

Spin polarized transport

transport

transport

transport

Speech processing BT: BT: Software packages RT: Hearing aids RT: Circuit analysis Speech recognition Design automation

Speech processing

Spin injection BT: Acoustic signal processing

Delay estimation RT:

Phonetics

Prediction methods

NT: Human voice

> Speech enhancement Speech synthesis

Voice activity

detection

UF: Spin injection

Spin polarised

Speech recognition

NT:

BT:

BT: Identification of BT: Magnetoelectronics RT: Magnetic tunneling

persons Pattern recognition Magnetoresistance

> RT: Cepstral analysis Emotion recognition

Spin valves Feature extraction BT: Magnetic sensors RT: Hysteresis Speaker recognition

Speech enhancement

Voice activity Spin-dependent tunneling

detection USE: Magnetic tunneling

Automatic speech

Spin-dependent tunnelling recognition Magnetic tunneling

Speech synthesis Spinal cord

> UF: Synthetic speech BT: Nervous system

> > Voice response systems NT: Cerebrospinal fluid Speech processing Spinal cord injury

Biomedical equipment RT:

Speech analysis

Signal synthesis Spinal cord injuries Speech analysis USE: Spinal cord injury

Voice activity Spinal cord injury detection

UF: Spinal cord injuries

BT: Speechmaking Spinal cord

USE: Public speaking RT: Neurological diseases

Spinal cord stimulation Speed control



USE: Electrical stimulation UF: Split-gate flash

memory cells

SP0

Spindle bearings BT: Flash memory cells

USE: Machine tool spindles

BT:

industry

Split-gate flash memory cells

Spine

USE: Split gate flash

Nervous system memory cells

Skeleton

Spinelectronics USE: Triples (Data

USE: Spintronics structure)

Spinning Spontaneous emission

BT: Textile technology UF: Superradiance
RT: Spinning machines BT: Photonics
Textile fibers RT: Microcavities
Photonic crystals

Spinning machines NT: Radiative

BT: Textile machinery recombination

RT: Paper making

Paper making machines **Sports**Paper mills UF:

Pulp and paper Football
Hockey
Spinning Soccer

Spinning Soccer
Textile industry Swimming
Textiles Tennis

Baseball

BT: Entertainment industry

Spintronics RT: Games
UE: Fluxtronics Sports

UF: Fluxtronics Sports equipment Spinelectronics

BT: Magnetoelectric Sports equipment

effects BT: Manufactured products

RT: Bicycles
Spirals Sports

BT: Mathematics

Splicing BT: Welding

UF: Cable splicing

Fusion splicing Spraying
BT: Joining processes BT: Surface finishing

Spot welding

RT: Optical fiber cables RT: Aerosols
Transmission lines Coatings

Liquids Particle production

Spline functions
USE: Splines (mathematics)
Particle production
Surface charging
NT: Thermal spraying

Splines (mathematics)

UF: B-Spline Spread spectrum communication

Spline functions

UF: Frequency hop

BT: Numerical analysis communication

RT: Curve fitting Frequency-hop

communication

Split gate flash memory cells Multi-hop



Multihop Two dimensional

Pseudonoise coded displays

communication

BT: Digital communication

RT: 3G mobile

communication

4G mobile

communication

Power filters Bluetooth

RT:

Channel estimation lines

Chirp modulation

Code division

multiplexing

Electronic

countermeasures

Electronic warfare

Multicarrier code

division multiple access

Multiuser detection

Radio communication

countermeasures

Time division

synchronous code division multiple

access

Ultra wideband

communication

Spread spectrum radar

Frequency hop radar UF:

Pseudonoise coded

radar

BT: Radar

RT: Chirp modulation

Electronic

countermeasures

Electronic warfare

Radar countermeasures

Language

Spreadsheet programs

UF: Microsoft Excel

BT: Data processing

Springs

BT: Mechanical products

Production

RT: Shock absorbers

Suspensions

(mechanical systems)

Wires

Sprites (computer)

BT: Computer graphics

RT: Three-dimensional Spur gears

USE: Gears

Spurline BT:

Planar transmission

NT: Spurline components

Spurline components

BT: Spurline

Sputter deposition

UF:

USE: Sputtering

Sputter etching

BT: Sputtering

RT: Cardiography

Sputtering

Sputter deposition

Thin film deposition

BT: Materials preparation

RT: Coatings

Films

Magnetrons

NT: Sputter etching

Spyware

BT: Privacy-invasive

software

SQL

USE:

Structured Query

SQL injection

BT: Computer crime

Information security

SQUID magnetometers

BT: Magnetometers

RT: Magnetic fields

SQUIDs

UF: Superconducting

quantum interference devices

BT: Superconducting

devices

RT: Readout electronics



displays

Sr RT: Decision making

USE: Strontium Requirements

engineering

SRAM Strategic planning USE: SRAM chips

Standard Generalized Markup Language

USF: SRAM cells SGMI

> BT: Random access memory

SRAM chips BT: Engineering - general

UF: SRAM RT: BT: Random access memory TSO

CMOS memory circuits ISO Standards RT:

NT: Formal specifications

Stability Guidelines Reliability Standards BT:

> RT: Asymptotic stability

Control systems **Standards** Damping BT: Standardization

Lyapunov methods RT: Conformance testing Predator prey systems IEC

Standardization

IS0 Robustness

NT: International Circuit stability

Robust stability collaboration

Stability analysis Open systems Qualifications Thermal stability

NT: Standards categories

Stability analysis Standards

Stability BT: organizations

Standards publications RT: Algorithms Differential equations

Laser stability Standards categories

Plasma properties BT: Standards Signal processing NT: Communication

System analysis and standards

design International Atomic

NT: Stability criteria Time

Measurement standards Stability criteria

Military standards Power and energy BT: Stability analysis

standards

Software standards Stacking

Material storage RT: Containers Standards organizations

Materials handling BT: Standards

3GPP Warehousing NT:

Stakeholder pensions ASA USE: DMTF Pensions **ETSI**

Stakeholders IEC BT: Customer relationship

IEEE Standards Association

management

Organizational aspects IS0



BT:

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ANSI

ITU State feedback

NACE International Linear feedback BT:

NFPA control systems

NIST Open Geospatial State of charge

Consortium BT: Battery chargers

SMPTF

W3C State pensions USE: Pensions

Standards publications BT: Standards State space theory

ASA Standards

SMPTE Standards

NT: 3GPP Standards USE: State-space methods

ANSI Standards

State-space methods DMTF Standards State space theory UF: ETSI Standards State-space model IEC Standards BT: Control system

IEEE Standards analysis

ISO Standards RT: Time-domain analysis

ITU Standards NACE Standards State-space model

NISO Standards USE: State-space methods NIST Standards

Static analysis

Static projection

W3C Standards UF:

Statis scoring Standby generators BT: Statistical analysis

UF: Emergency power System analysis and

generators design

BT: Generators RT: Model checking

Rotating machines Software engineering RT: Emergency power

Static compensator supplies

USE: **STATCOM**

Standby power supplies Static converters

Emergency power USE:

supplies Static power converters

Static induction transistors BT: Electrooptic effects

BT: Transistors Starter motors (automotive)

Automotive components Static power converters USE:

UF: Static converters

BT: **STATCOM** Converters

Static compensator Static projection BT: Static VAr

compensators USE: Static analysis

State estimation Static VAr compensators

> BT: Estimation UF:

RT: Control systems BT: Power transmission NT: **Observers** RT: Reactive power

> NT: **STATCOM**



Stark effect

UF:

Weibull distribution Stationary state NT: Adaptive estimation UF: Ground state Autoregressive

BT: Quantum mechanics processes

Boltzmann distribution

Statis scorina Correlation USF: Static analysis

Correlation

Higher order

Covariance matrices

Gamma distribution

Gaussian mixture model

Statistical analysis

Statistical distributions

BT:

NT:

BT:

RT:

methods

analysis

UF: Statistical testing

Differential privacy Dimensionality

coefficient

Statistics

Measurement errors reduction

Nearest neighbor

Probability

Random processes statistics Time series analysis Histograms

NT: Analysis of variance Linear discriminant

Mode matching methods analysis

Monte Carlo methods Maximum likelihood

Parameter estimation estimation

Pareto analysis Minimax techniques Principal component Mixture models

Nonparametric

Regression analysis statistics

> Static analysis Parametric statistics

> > Prediction theory Ranking (statistics) Root mean square Sampling methods Statistical analysis

Probability

Gaussian distribution Weibull distribution Time series analysis

Statistical learning Stator bars

Distribution functions

BT: BT: Stators Machine learning

RT: Pattern recognition

Stator cores

Statistical testing BT: Stators

Statistical analysis USE: Stator windings

Statistics BT: Stators

Mathematics BT: RT: Econometrics **Stators**

Estimation theory BT: Electric machines

Extrapolation NT: Stator bars Fourier transforms Stator cores Information theory Stator windings

Interpolation

Matrix decomposition Steady state

Maximum likelihood USE: Steady-state

detection

Operations research Steady-state

Probability UF: Steady state

Scheduling BT: Dynamic equilibrium



RT: Transient analysis Education courses

Engineering - general

Science - general

Steam engines

BT:

Heat engines

RT: Boilers

Water

Steel

BT: Metals

Pressure vessels RT:

NT: Martensite

Steel industry

BT: Industries

Steering systems

BT: Mechanical products

Production systems

Automotive components RT:

Wheels

Steganography

BT: Message authentication

RT: Cryptography

Steiner points

USE: Steiner trees

Steiner trees

Steiner points UF:

Steiner vertices

BT: Combinatorial

mathematics

Steiner vertices

USE: Steiner trees

Stellar dynamics

Astrophysics BT:

NT: Stellar motion

Stellar motion

BT: Stellar dynamics

RT: Orbits (stellar)

STEM

UF: Science technology

engineering mathematics

science technology

engineering and math

science, technology,

engineering, and math

BT: Educational programs

Curriculum development RT:

Stem cell research

Stem cells USE:

Stem cells

UF: Stem cell research BT: Biological cells RT:

Mathematics

Technology

Progenitor cells

Stereo image processing

UF: Stereoscopic BT: Stereo vision

Stereo vision

UF: Three-dimensional

vision

BT: Imaging

Image matching RT: Machine vision

Robot vision systems

NT: Stereo image

processing

Stereolithography

BT: Lithography

RT: Laser applications

Laser sintering

Lasers

Layered manufacturing

Manufacturing

Prototypes

Stereophonic systems

Audio systems USE:

Stereoscopic

USE: Stereo image

processing

Sternum

Thorax BT:

Stethoscope

BT: Biomedical equipment

Stimulated emission

UF: Optical amplification BT: Particle beam optics

RT: Lasers



Masers BT: Digestive system

Lips

Stirling engines Stomatognathic system

BT: Heat engines BT: Anatomy RT: Face

Stochastic distribution

USE: Stochastic processes Mouth Pharynx

Stochastic prediction Tongue

USE: Stochastic processes NT: Masticatory muscles Salivary glands

Stochastic processes

UF: Stochastic Storage area networks

distribution UF: SAM

Stochastic prediction BT: Computer networks
Stochastic theory RT: Data storage systems
BT: Mathematics Local area networks

BT: Mathematics RT: Computational

electromagnetics Storage automation

Diffusion processes UF: Automated storage and

Particle swarm retrieval systems

optimization BT: Automation

Probability Material storage

Random number RT: Warehousing generation

Random variables Storage batteries

Viterbi algorithm USE: Batteries

NT: Gaussian processes

Markov processes Storage battery

USE: Batteries

Stochastic resonance
BT: Resonance Storage management

BT: Capacity planning

Stochastic systems Management

BT: Systems engineering RT: Memory management and theory NT: Digital storage

RT: Control systems

Probability Storage rings
Random variables BT: Particle accelerators

RT: Ions

Stochastic theory Muon colliders

USE: Stochastic processes Particle beams

Stock exchanges Stored energy

USE: Stock markets USE: Energy storage

Stock markets Storm systems

UF: Stock exchanges USE: Tropical cyclones

BT: Economics

Stokes parameters BT: Meteorology

BT: Optical polarization RT: Lightning
Monsoons

Stomach



Storms

Strain Video streaming

UF: Deformation BT: Communication system

BT: Mechanical factors software

RT: Elasticity RT: Data compression

Strain control IEEE 802.11e Standard Strain measurement IPTV

Unicast

NT: Tensile strain Internet

Uniaxial strain MPEG 4 Standard MPEG standards sors Multimedia

Strain based sensors

USE: Capacitive sensors communication

Strain control Video coding

UF: Friction stir Video signal processing processing

BT: Mechanical variables NT: Video on demand

control
RT: Strain Streetcars

USE: Light rail systems

Strain gauges
USE: Strain measurement Stress

Strain measurementUF:Mechanical stressBT:Mechanical factors

UF: Strain gauges RT: Magnetomechanical

BT: Mechanical variables effects

measurement Photoelasticity
RT: Micrometers Piezoelectricity
Strain Piezooptic effects

Strain sensors

USE: Capacitive sensors

NT: Compressive stress

Strategic planning

BT: Planning

Residual stresses

Residual stresses

RT: Analytic hierarchy Tensile stress

process

Business intelligence Stress (psychological)

Decision making USE: Human factors
Information systems

Stakeholders Stress control

BT: Mechanical variables

Stratified media control
USE: Nonhomogeneous media RT: Stress

Stratosphere Stress measurement

USE: Terrestrial atmosphere BT: Mechanical variables measurement

Stray light RT: Stress

BT: Light sources

Optics String theory

RT: Ray tracing BT: Physics RT: Ouantum mech

RT: Quantum mechanics Streaming media

UF: Media streaming String vacuum



USE: Elementary particle NT: Offshore installations

vacuum

BT:

Structural panels

Stripboard circuit UF: Railway bridges UF: Veroboard Road bridges

BT: Electronic circuits Suspension bridges BT: Structural shapes

Honeycomb structures Stripline RT: BT: Planar transmission Sandwich structures

lines Sheet materials Transmission lines Structural plates NT: Stripline components Thin wall structures

Stripline components Structural parameter

> BT: Stripline USE: Structural engineering

> RT: Power combiners

Power dividers Structural plates

BT: Electronic components **Strips**

Structural shapes

BT: Structural shapes RT: Flanges

Structural panels

Stroke (medical condition) Wheels

Structural rings

Medical conditions

Strontium UF: 0-rings UF: BT: Sr

Structural shapes BT: Metals RT: Engine cylinders NT:

Strontium compounds Mechanical products

Pistons Strontium compounds Seals

> Strontium BT: RT: Alloying Structural rods

BT: Structural shapes Structural beams

UF: Cantilever beams Structural shapes

> Girders BT: Mechanical products

BT: Structural shapes NT: Bars RT: Building materials Bridges

Ducts

Structural discs Flexible structures UF: Disks (structures) Honeycomb structures

BT: Structural shapes Lightweight structures

Rails

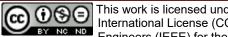
Structural engineering Sandwich structures UF: Structural parameter Sheet materials

Structural stability Slabs

Civil engineering BT: Strips RT: Architecture

Structural beams Structural discs Bridges Construction Structural panels Flexible structures Structural plates

Floods Structural rings Intelligent structures Structural rods Mechanical factors Structural shells



Thin wall structures USE: Underwater technology

Wires

Submarines Structural shells

USE: Underwater vehicles BT: Structural shapes

RT: Submersibles Thin wall structures

Underwater vehicles USF: Structural stability

USE: Structural engineering

BT:

Submillimeter wave circuits BT: Circuits

Structure from motion Submillimeter wave

> Image processing technology RT: Motion control RT: Analog circuits

> > Submillimeter wave Signal processing

> > > NT:

Submillimeter wave

Three-dimensional devices

Submillimeter wave displays

Two dimensional filters displays

integrated circuits Structured Query Language

UF: S₀L Submillimeter wave communication

BT: Database languages BT: Communication systems RT:

Programming Submillimeter wave

Relational databases technology

Submillimeter wave devices Student engineers

> USE: Engineering students UF: Submillimeter wave

systems

Student experiments BT: Submillimeter wave

Engineering education BT: technology RT: Laboratories

Submillimeter wave RT:

circuits

Submillimeter wave Style sheet languages BT: Computer languages integrated circuits

NT: Cascading style sheets NT: Submillimeter wave

filters

Sub-mm wave filters Submillimeter wave filters USE: Submillimeter wave

filters Sub-mm wave filters UF:

Submillimetre wave

Sub-sea cables filters

BT: Submillimeter wave USE: Underwater cables

devices

Subcontracting RT: Submillimeter wave

BT: Contracts circuits

Submillimeter wave integrated circuits Subject predicate object

USE: Triples (Data BT: Integrated circuits

Submillimeter wave structure) circuits

Submarine cables Submillimeter wave

USE: Underwater cables technology

RT: Analog integrated

Submarine technology circuits



Submillimeter wave BT: Substations RT: Automation

Substation protection

BT:

RT:

UF:

BT:

NT:

UF:

BT:

USE:

BT:

BT:

RT.

Subthreshold conduction

USE:

Subthreshold current

UF:

BT:

Substrate hot electron injection

Substrate hot-electron injection

Substrate integrated waveguides

protection

Substations

injection

injection

Substrates

materials

(substations)

SCADA systems

Power system

Substations

Power stations

Power systems

Substation automation

Substation automation

Substation protection

Substrate hot-electron

Hot carrier injection

Substrate hot electron

Post-wall waveguides

Waveguide lasers

Epitaxial growth

Printed circuits

Silicon germanium Silicon on sapphire

Microprocessor chips

Subthreshold current

Subthreshold drain

Threshold voltage

Subthreshold leakage

Semiconductor

Submillimeter wave measurements Substation protection

BT: Electromagnetic

measurements

Hyperspectral sensors RT:

Submillimeter wave

technology

devices

Submillimeter wave propagation

BT: Electromagnetic

propagation

Submillimeter wave systems

Submillimeter wave USE:

devices

Submillimeter wave technology

Microwave theory and

techniques

RT: Submillimeter wave

measurements

Submillimeter wave NT:

circuits

Submillimeter wave

communication

Submillimeter wave

devices

Submillimeter wave

integrated circuits

Submillimetre wave filters

USE: Submillimeter wave

filters

Subroutines

USE: Algorithms

Subscriber loops

BT: Communication systems

Multiaccess

communication

Subscriber sets

Telephone sets USF:

Subsea cables

USE: Underwater cables

Subspace constraints

Object segmentation

Subthreshold drain current

USE: Subthreshold current

Subthreshold

Substation automation

Engineers (IEEE) for the benefit of humanity.

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conduction

current

Subthreshold Leakage Sulphur

USE: Subthreshold current USE: Sulfur

Subtraction techniquesSulphur compounds

BT: Image analysis USE: Sulfur compounds RT: Biomedical image

processing Sum product algorithm

UF: Sum-product algorithm

BT: Iterative algorithms
USE: Public transportation

Sum-product algorithm

Sucrose USE: Sum product algorithm

Summing circuits

Sufficient conditions BT: Circuits

BT: Logic RT: Analog computers

Sugar Sun

Sugar

UF: Glucose BT: Solar system

Sucrose
BT: Agricultural products Sun sensors

Food products USE: Sensors

RT: Sugar industry

Sugar refining Super earths

USE: Extrasolar planets

Sugar industry
BT: Industries Super hi-vision

RT: Food industry USE: UHDTV

Food products

Sugar Supercapacitors

NT: Sugar refining UF: Electrical double

layer capacitors

Sugar refining
BT: Sugar industry
BT: Electrochemical

RT: Food industry devices

Food products

Food technology

Purification

RT:

Capacitance

Purification RT: Capacitance Refining Capacitance

Sugar measurement

Electrolytes Sulfur

UF: Sulphur Supercomputers

BT: Chemical elements BT: Computers

NT: Sulfur compounds RT: Petascale computing

Sulfur compounds Superconducting cables

UF: Sulphur compounds BT: Superconducting

BT: Sulfur transmission lines

RT: Superconducting coils

Sulfur hexafluoride Superconducting

UF: SF6 magnets

BT: Gas insulation

Superconducting coils



Subways

USE:

BT: Coils RT: High-temperature

Superconducting

devices

RT: Superconducting cables

Superconducting

magnets

Superconducting device noise

BT: Noise

RT: Superconducting

devices

Superconducting devices

UF: Josephson devices

SIS devices

(superconductor)

SNS devices

Superconductor-

insulator-superconductor devices

Superconductor-normal-

superconductor devices

BT: Superconductivity

RT: Cryogenic electronics

High-temperature

superconductors

Superconducting device

noise

Superconducting films

Thermal factors

NT: Josephson junctions

SOUIDs

Superconducting coils

Superconducting

magnets

Superconducting

microwave devices

Superconducting

photodetectors

Superconducting epitaxial layers

BT: Epitaxial layers

RT: Superconducting

materials

Superconducting filaments

Superconducting USF:

materials

Superconducting filaments and wires

Superconductivity

Superconducting films

UF: Superconducting tapes

BT: Superconductivity superconductors

Superconducting

devices

Surface impedance Surface resistance

Thick films Thin films

NT: Superconducting thin

films

Superconducting filters

BT: Filters

RT: Radiofrequency

interference

Superconducting infrared detectors

USE: Superconducting

photodetectors

Superconducting integrated circuits

Integrated circuits BT:

Superconductivity

Superconducting junction devices

USE: Josephson junctions

Superconducting logic circuits

BT: Logic circuits

Superconducting magnet energy storage

USE: Superconducting

magnetic energy storage

Superconducting magnetic energy storage

UF: **SMES**

Superconducting magnet

energy storage

BT: Energy storage

Superconductivity

Superconducting magnets

BT: Electromagnets

Superconducting

devices

RT: Persistent currents

> Superconducting cables Superconducting coils

Superconducting materials

Pnictide UF:

superconductors

Superconducting

filaments



Superconducting wires NT: Superconducting cables

BT: Materials

Superconductivity Superconducting ult
Critical current USE: Su

density

Cryogenic electronics

Superconducting

epitaxial layers

RT:

Thermal factors

NT: Granular

superconductors

High-temperature

superconductors

Multifilamentary

superconductors

Niobium-tin Type II

superconductors

Superconducting microwave devices

BT: Superconducting

devices

RT: Microwave devices

Superconducting photodetectors

UF: Superconducting

infrared detectors

Superconducting

ultraviolet detectors

BT: Photodetectors

Superconducting

devices

RT: Infrared detectors

Superconducting quantum interference

devices

USE: SQUIDs

Superconducting tapes

USE: Superconducting films

Superconducting thin films

BT: Superconducting films

RT: Thin films

Superconducting transition temperature

BT: Superconductivity RT: High-temperature

superconductors

Superconducting transmission lines

BT: Transmission lines
RT: Power transmission

lines

Superconducting ultraviolet detectors

USE: Superconducting

photodetectors

Superconducting wires

USE: Superconducting

materials

Superconductivity

NT: Bean model

Critical current

density (superconductivity)

Flux pinning

Superconducting

devices

Superconducting

filaments and wires

Superconducting films

Superconducting

integrated circuits

Superconducting

magnetic energy storage

Superconducting

materials

Superconducting

transition temperature

Superconductor-insulator-superconductor

devices

USE: Superconducting

devices

Superconductor-normal-superconductor

devices

USE: Superconducting

devices

Superconductors (high temperature)

USE: High-temperature

superconductors

Supercontinuum generation

BT: Nonlinear optics

RT: Laser beams

Light sources Optical fibers

Superlattices

BT: Crystalline materials

NT: Magnetic superlattices

Metallic superlattices
Optical superlattices



Semiconductor Business process

superlattices management

Capacity planning

Superluminescent diodes Customer relationship

UF: SLD management

BT: Light emitting diodes Electronic commerce

Light sources Management information Optoelectronic devices systems

Semiconductor devices Materials requirements Semiconductor diodes planning

Lasers

RT: Production control Supply chains

Superposition calculus NT: Procurement

Mathematics BT: Supply chains

Superradiance BT: Logistics

RT: USE: Spontaneous emission Materials requirements

planning Superstring vacuum

Procurement USE: Elementary particle Supply chain

management vacuum

learning

Support vector machine classification Supervised learning

BT: Learning systems BT: Support vector

RT: Semisupervised machines

NT: Boosting Support vector machines

UF: Supervisory control Support vector

Control systems BT: regression

NT: SCADA systems BT: Computation theory

RT: Artificial

Supervisory control and data intelligence

Feedforward neural acquisition systems USE: SCADA systems networks

Pattern classification

Supervisory control and data-NT: Support vector machine

classification acquisition systems

USE: SCADA systems

Support vector regression

Supervisory programs USE: Support vector

> USE: Operating systems machines

Supply and demand Surface acoustic wave devices

> BT: Economics BT: Acoustic devices RT: Acoustoelectric Microeconomics RT:

Utility theory devices

Piezoelectric devices

Supply chain management UF: Surface acoustic waves

SCM supply chains BT: Management UF: Acoustic surface waves

RT: Business process BT: Acoustic waves

integration Surface waves

Waves

Page 521

Surface fitting

Surface charging BT: Numerical analysis BT:

RT: Computational geometry Electrostatic Computer graphics

processes Curve fitting RT: Spraying Triboelectricity Interpolation NT:

NT: Response surface

Surface cleaning methodology BT: Cleaning

Surface treatment

Surface treatment Surface impedance Semiconductor device BT: Surfaces

RT:

manufacture RT: High-temperature

Surface contamination superconductors Superconducting films

Surface contamination Surface morphology Contamination BT:

RT: Semiconductor device BT: Surfaces

manufacture RT: Surface roughness

NT: Surface cleaning Adsorption

Surface reconstruction

Surface cracks Visualization BT: Mechanical factors BT: RT: Pattern analysis

Surface discharges Surface resistance

> Dielectric breakdown BT: BT: Resistance RT: Insulator testing Surfaces

RT: High-temperature

Surface emitting lasers superconductors

Superconducting films BT: Lasers

Semiconductor devices Semiconductor lasers

Surface roughness Solid lasers BT: Surfaces

RT: Laser cavity RT: Planing

resonators Polishing machines Ouantum well lasers Rough surfaces

> Ouantum wells Sandblasting Surface morphology

NT: Vertical cavity surface emitting lasers

Surface soil

Surface engineering BT: Surfaces

Materials science and BT: Surface states technology

RT: Surface treatment BT: Energy states

Surface structures

Surface finishing Surfactants NT: BT: Finishing

> RT: Lapping Surface structures

Polishing machines BT: Surfaces

NT: Burnishing NT: Surface states

> Deburring Painting Surface tension

Spraying BT: Surfaces

RT: Surfactants



Surface states Surface treatment

Adsorption

Surface tension

Surface topography

BT:

Surface texture

BT: Geometry

Surfaces

Surfaces BT:

NT: Nanotopography protection

Surface treatment

BT: Surfaces

RT: Colloidal lithography

Planing

Surface contamination Surface engineering

NT: Etching

> Finishing Galvanizing Painting Passivation Pickling

Planarization Sandblasting

Surface cleaning

Surfactants

Orthopedic surgery

Surface waves

BT: Geophysics

RT: Sea surface

Surface acoustic waves NT:

Surges

Surface-mount technology Integrated circuit BT:

manufacture

Surfaces Surgical instruments

BT: Materials science and

technology

Corrosion NT:

Corrugated surfaces

Rough surfaces

Surface impedance

Surface morphology

Surface resistance

Surface roughness

Surface soil

Surface structures Surface tension Surface texture Surface topography

Surface treatment

Surge protection

RT:

Power system

RT: Surges

NT: Arresters

Surgery

UF: Robot-assisted surgery BT: Medical treatment RT: Biomedical equipment

> Catheters Endoscopes

NT: Ambulatory surgery

> Hepatectomy Laser surgery Microsurgery

Minimally invasive

surgery

Neurosurgery

Oncological surgery

Surgery oncology USE:

Oncological surgery

BT: Electromagnetic

transients

Surge protection

BT: Biomedical equipment

NT: Laparoscopes

Surgical robots

USE:

Medical robotics

Surveillance

BT: Monitoring

RT: Conformance testing

> Hazardous areas Reconnaissance Remote sensing Security

Terrorism

NT: Infrared surveillance

Video surveillance

Surfactants

BT: Materials Suspension bridges



USE: Structural panels

Suspensions (mechanical systems) Skin

> BT: Mechanical systems RT: Automotive components

Springs

Shock absorbers NT:

Sustainability

Sustainable USE:

development

Sustainable design

USE: Green design

Sustainable development

UF: Sustainability

BT: Environmental

management

Social implications of

technology

RT: Green computing

SVC

USE: Static VAr

compensators

SVM

USE: Support vector

machines

SVPWM

USE: Space vector pulse

width modulation

Swaging

BT: Materials processing

RT: Metal products

Swarm intelligence

USE: Particle swarm

optimization

Swarm optimization

USE: Particle swarm

optimization

Swarm robotics

UF: Swarm robots

BT: Multi-robot systems

Swarm robots

USF: Swarm robotics Sweat glands

Glands BT:

Swimming

USE: Sports

Swimming robots

USE: Aquatic robots

Switched capacitor circuits

UF: Switched-capacitor

circuit

BT: Switched circuits

Switched capacitor networks

UF: Switched-capacitor

networks

BT: Resistors

RT: Analog circuits

Capacitors

Switched circuits

BT: Circuits

RT: Telecommunications NT: Switched capacitor

circuits

Switched mode power

USF: Switched mode power

supplies

Switched mode power supplies

UF: SMPS

Switched mode power

BT: Power supplies

Switched reluctance motors

BT: Reluctance motors

Switched systems

BT: Time-varying systems

RT: Control systems

Power conversion

Switched-capacitor circuit

USE: Switched capacitor

circuits

Switched-capacitor networks

USE: Switched capacitor

networks

Switches



BT: Control equipment Communication RT:

> Electronic components switching

Current control RT: NT:

> IEEE 802.3 Standard systems

Solenoids Spark gaps Switchgear

Switching circuits

NT: Contactors

Microswitches

Optical switches

Switchgear

BT: Control equipment RT: Current control

> Fuses Switches

NT: Circuit breakers

Interrupters

Relays

Switching circuits

Circuits BT:

Circuit breakers RT:

Digital circuits

Relays Switches

NT: Choppers (circuits)

Logic circuits

Switching converters Zero current switching

Zero voltage switching

Switching converters

BT: Switching circuits RT: Power electronics

Zero current switching

Zero voltage switching

Switching convertors

USE: Converters

Switching frequency

BT: Switching systems

Switching loss

UF: Switching losses

BT: Switching systems

Switching Losses

USE: Switching loss

Switching systems

BT: Communication systems

Electronic switching

Switching frequency Switching loss

Telecommunication

switching

Symbiosis

UF: Symbiotic

relationships

Biological processes BT:

Symbiotic relationships

USE: Symbiosis

Symbols 5 4 1

BT: Graphics

RT: Huffman coding

> Information retrieval Pattern recognition

NT: CAPTCHAS

Symmetric matrices

UF: Symmetric matrix BT: Numerical analysis

Symmetric matrix

USF: Symmetric matrices

Sympathetic nervous system

UF: Sympathetic outflow BT: Autonomic nervous

system

Sympathetic outflow

USE: Sympathetic nervous

system

Symposia

Conferences USE:

Synapses

BT: Nervous system

Artificial RT:

intelligence

Artificial neural

networks

Brain

Communication channels

Computational

intelligence



Electrochemical Synchronous dynamic random access

devices memory

Integrated optics USE: SDRAM Neuroinformatics

Neuromorphic Synchronous generators

engineering BT: AC generators

Neurons Synchronous machines
Neurotransmitters RT: Alternators

Neurotransmitters RT: Alternators
Organic electronics NT: Reluctance generators

Organic electronics NT: Relu Photonics

Signal processing Synchronous machines
BT: AC n

Synaptic transmission

BT: AC machines

NT: Hysteresis motors

USE: Neurotransmitters Reluctance machines Synchronous generators

Sync Synchronization Synchronization

Synchronous motors

SynchrocyclotronsBT:Synchronous machinesBT:Particle acceleratorsRT:Rotating machines

NT: Hysteresis motors

Synchronisation Reluctance motors
USE: Synchronization

Synchronization Synchronization Synchronization Synchronization

UF: Clock synchronization

Sync Synchrotron radiation
Synchronisation BT: Synch

Synchronisation BT: Synchrotrons
BT: Timing RT: Biomedical
RT: Chaotic communication applications of radiation

Concurrency control Light sources

Frequency locked loops X-rays
Scheduling

Synchronous digital Synchrotrons

hierarchy BT: Particle accelerators

Time dissemination RT: Colliding beam

Tracking loops accelerators

Synchronous digital hierarchy Electric fields
High energy physics

UF: SDH instrumentation computing

BT: Communication Magnetic fields

Particle beams

Communication systems NT: Synchrotron radiation

ETSI Standards Undulators

Digital communication

Optical fiber Syngas

communication UF: Synthesis gas
SONET Synthetic gas

SONET Synthetic gas Synchronization BT: Gases

Transport protocols

Synchronous DRAM UF:

Synchronous DRAM UF: Syntax
USE: SDRAM BT: Semiotics

RT: Communication symbols



standards

RT:

Biological system Grammar RT:

Natural language modeling

processing

Professional

communication

Programming

Syntax

USE: Syntactics

Synthesis gas

USE: Syngas

Synthesisers

Synthesizers USE:

Synthesizers

UF: Synthesisers

Electronic music BT:

Synthetic aperture radar

UF:

BT: Radar

Airborne radar RT:

Ground penetrating

radar

Radar imaging

Spaceborne radar

Synthetic aperture

sonar

Ultra wideband radar

NT: Inverse synthetic

aperture radar

Polarimetric synthetic

aperture radar

Synthetic aperture radar imaging

Radar polarimetry

Synthetic aperture radar interferometry

Radar interferometry

Synthetic aperture sonar

UF: SAS BT: Sonar

RT: Synthetic aperture

radar

Synthetic biology

UF: Synthetic life

research

BT: Biology

Engineering in

medicine and biology

Synthetic fibers

Artificial fibers UF:

Artificial fibres

Computational biology

Nylon fiber

Synthetic fibres

BT: Textile fibers

Synthetic fibres

USE: Synthetic fibers

Synthetic gas

USE: Syngas

Synthetic life research

USE: Synthetic biology

Synthetic speech

USE: Speech synthesis

SYSML

USE: Systems Modeling

Language

System analysis

USE:

System analysis and

design

and theory

System analysis and design

UF: Logical decomposition

> System analysis System design System metrics

BT:

Systems engineering

Configuration RT:

management

Design methodology

Flowcharts

Multi-agent systems

Skin effect

Stability analysis

System improvement System validation System verification Systems simulation Asymptotic stability

Control system

Diakoptics

Distributed processing



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analysis

NT:

Distributed vision Systems engineering BT: networks and theory Quality management Fault detection RT: Fault tolerant systems Reliability Interconnected systems System analysis and Large-scale systems design Lyapunov methods System testing Open systems Petri nets System integration Physical design BT: Systems engineering Robust control and theory Scalability RT: Enterprise resource Scattering parameters planning Sequential analysis Integrated Sequential diagnosis manufacturing systems Software prototyping Project management Static analysis Resource management System dynamics System performance System kernels System-level design BT: Kernel Systems Modeling Operating systems Language Systems modeling System level design Task analysis USE: System-level design Time factors System life cycle management System availability USE: Product life cycle USE: Availability management AND Technical management System buses Computer interfaces BT: System metrics USE: System analysis and System design design System analysis and USE: design System modeling USE: Modeling System dynamics BT: System of systems System analysis and design BT: Systems engineering RT: Behavioral sciences and theory Complex networks Complex networks RT: Feedback Cyber-physical systems NT: Flow production System on chip systems Timing USE: System-on-chip System identification System performance BT: Modeling UF: Cooperative cache BT: System analysis and System implementation design

BT: Systems engineering

and theory

System planning

USE: Planning

NT:

Cooperative caching



System improvement

NT: System testing

System privacy management

USE: Data security

System realization

BT: Systems engineering

and theory

System recovery

UF: Deadlocks (computers)

Error recovery

(computers)

BT: Computers and

information processing

Business continuity RT:

Operating systems

Reliability

NT: Checkpointing

Core dumps Debugging

System reliability

USE: Reliability

System resilience

Fault tolerance USE:

System software

Software BT: RT: Visual BASIC

File systems NT:

Operating systems

Program processors

Utility programs

System testing

BT: System validation

System verification

Testing

RT: System improvement

NT: Model checking

System validation

BT: Systems engineering

and theory

RT: System analysis and

design

NT: System testing

System verification

BT: Systems engineering

and theory

design

RT: System analysis and

System-level design

UF: System level design

BT: System analysis and

design

System-on-a-chip

USE: System-on-chip

System-on-chip

UF: On-chip

SOC

System on chip System-on-a-chip

Application specific BT:

integrated circuits

RT: Microcontrollers

Microprocessors

Mixed analog-digital

integrated circuits

Power dissipation

Signal processing

NT: Lab-on-a-chip

Network-on-chip

Systematics

UF: Biological systematics

BT: Biology

Systems architecture

BT: Systems engineering

and theory

Systems biology

BT: Biology

Systems engineering

USE: Systems engineering

and theory

Systems engineering and theory

UF: Systems engineering

RT: Aerospace and

electronic systems

Business process

integration

Business process

management

Adaptive systems

Capability engineering

Complex systems

Configuration

management



Hierarchical systems
Integrated design
Interface management

Modeling

Multidimensional

systems

Physical design

Reduced order systems

Requirements

engineering

Requirements

management

Service-oriented

systems engineering

Solution design Stochastic systems

System analysis and

design

System implementation System improvement

System integration

System of systems

System or systems

System realization

System validation

System verification

Systems architecture Systems engineering

education

Systems operation

Systems simulation Systems support

Systems thinking

Task analysis

Technical management

Systems engineering education

BT: Engineering education

Systems engineering

and theory

Systems modeling

BT: Modeling

System analysis and

design

Systems Modeling Language

UF: SYSML

BT: Computer languages

System analysis and

design

RT: Modeling

Software engineering

š . .

Systems operation

BT:

RT:

BT: Systems engineering

Neuroscience

Neural networks

and theory

Systems simulation

BT: Simulation

Systems engineering

and theory

RT: System analysis and

design

Technical management

Systems support

BT: Maintenance

engineering

Systems engineering

and theory

Systems thinking

BT: Systems engineering

and theory

RT: Systems, man, and

cybernetics

Systems, man, and cybernetics

RT: Systems thinking NT: Behavioral sciences

Biological control

systems

Computational

linguistics

Cybernetics Ergonomics Human factors Identification of

persons

Man-machine systems

Natural languages Pervasive computing

Posthuman Teleworking Transhuman

User interfaces

Systolic arrays

BT: Multiprocessing

systems

RT: Pipeline processing

Table lookup

UF: LUT



Systems neuroscience

Look-up table BT: Takagi-Sugeno model

Lookup table

BT: Talbot effect Data structures

> Image processing BT: Optical imaging RT: Interferometry

> > BT:

BT:

RT:

Tape casting

Optical interferometry

Chemical elements

Casting

Ceramics

Tablet computers

Tablet PC UF: BT: Computers

Tantalum RT: Mobile handsets

Portable media players

Tablet PC

USE: Tablet computers

Tachometers Target detection

> Object detection BT: Meters USE:

Tactile feedback Target recognition

> USE: Tactile sensors BT: Object recognition

Tactile sensors Target tracking

> Tactile feedback UF: BT: Tracking

> > Touch sensors RT: Control systems Radar tracking

BT: Robot sensing systems RT: Pressure measurement

Touch sensitive Targeted drug delivery

screens Drug delivery

Tag clouds Task analysis

> Word cloud UF: BT: Business process

BT: Tagging management

System analysis and

design Tagging

UF: Hashtag Systems engineering

Taste buds

BT: Information retrieval and theory

RT: Indexing

Internet of Things NT: Tag clouds BT: Sense organs

TAI Taxes USE: Finance

USE: International Atomic Time

Taxi

Tail USE: Public transportation Animal structures BT:

Taxonomy

Takagi-Sugeno model BT:

Information retrieval BT: Fuzzy logic

RT: Fuzzy control Taylor expansion

Fuzzy systems USE: Taylor series

NT: Takagi-Sugeno-Kang

model Taylor series

UF: Taylor expansion BT: Mathematics Takagi-Sugeno-Kang model



Technical data management

USE: Database systems AND

Technical management

TCP/IP protocol suite

TCPIP

USE: **TCPIP**

USE:

TCPIP

TCP/IP

UF: TCP/IP

TCP/IP protocol suite

Transmission control

protocol-internet protocol

Transmission control

protocol/internet protocol

BT: IP networks

RT: Computer networks

> Data communication Digital communication

Internet

Protocols

Transport protocols

TDM

Time division USE:

multiplexing

TDSCDMA

USE: Time division

synchronous code division multiple

access

Teaching

USE: Education

Teaching machines

USE: Computer aided

instruction

Team working

BT: Organizational aspects

Teamwork

Collaboration BT:

Technetium

Chemical elements

Technical assessment

USE: Technical management

Technical communication

Professional USE:

communication

Technical drawing

Design methodology BT: RT:

Engineering drawings

Graphics

Technical management

UF: System life cycle

management

Technical assessment

Technical data

management

Technical risk

management

Management BT:

Systems engineering

and theory

RT: Program management

Systems simulation

Maintenance management NT:

Technical planning

Technical manuals

USE: Manuals

Technical meetings

Meetings USF:

Technical planning

BT: Planning

Technical management

Technical proposals

USE: **Proposals**

Technical reports

USE: Writing

Technical requirements

BT: Requirements

engineering

RT: **Proposals**

Technical risk management

USE: Technical management

Technical textiles

USE: Textile products

Technical writing

USE: Writing



Technician training

USE: Training

Technique for order of preference by

simularity to ideal solution

USF: TOPSTS

Technological forecasting

USE: Technology forecasting

Technological innovation

BT:

UF: Innovation

> Invention Technology

Disruptive innovation RT:

Disruptive

technologies

Technology social

factors

Technology

Social implications of BT:

technology

Engineering - general RT:

> Oil drilling Philosophical

considerations

Research and

development

STEM

Technology forecasting Technology planning

NT: Appropriate technology

Disruptive

technologies

Neurotechnology

Technological

innovation

Technology social

factors

Technology transfer

Telepresence

Telexistence

Technology forecasting

UF: Futurism

Technological

forecasting

BT: Forecasting

RT: Technology

Technology social

factors

Technology management

Management BT:

RT: Data processing

> Innovation management Production management Project management

Research and

development management

Technology transfer

Technology planning

BT: Planning RT: Social factors

Technology

Technology social factors

BT: Social factors

Technology

RT: Philosophical

considerations

Risk analysis Technological

innovation

Technology forecasting

NT: Privacy

Technology transfer

BT: Technology

Technology management RT:

Small business NT:

technology transfer

Teeth

UF: Tooth

BT: Mouth

TEGFETs

USE:

MODFETS

Telecom

USE:

Telecommunications

Telecom buffers

USE: Telecommunication

buffers

Telecom channels

USE: Communication channels

Telecom computing

Telecommunication USE:

computing

Telecom congestion control



USE: Telecommunication 3G mobile RT:

congestion control communication

Telecom control

USE: Telecommunication

control

Telecom network management

USE: Telecommunication

network management

Telecom network reliability

Telecommunication USE:

network reliability

Telecom network topology

Telecommunication USE:

network topology

Telecom services

Telecommunication USE:

services

Telecom signaling

USE: Communication system

signaling

Telecom switching

USE: Telecommunication

switching

Telecom system signaling

Communication system USE:

signaling

Telecom traffic

USE: Telecommunication

traffic

Telecommunication buffers

UF: Telecom buffers BT: Data communication

RT: Buffer storage

Telecommunication channels

Communication channels USF:

Telecommunication computing

UF: Communications

computing

Telecom computing

BT: Computer applications

Telecommunications

4G mobile

communication Mobile computing

Ouality of service Software radio

Telecommunication

control

Telecommunication

network management

Telegraphy Telephony

Internetworking NT:

Soft switching

Telecommunication congestion control

Telecom congestion UF:

control

BT: Telecommunication

network topology

Call admission control NT:

Telecommunication control

UF: Telecom control

BT: Communication system

control

Telecommunication RT:

computing

Telecommunication network management

UF: Telecom network

management

Telecommunication BT:

network topology

RT: Management information

base

Telecommunication

computing

NT: Mobile nodes

> Network architecture Network neutrality Network resource

management

Telecommunication network reliability

UF: Communication network

reliability

Telecom network

reliability

BT: Reliability

Telecommunication

network topology



NT: Diversity schemes RT: Communication system

traffic

Telecommunication network topology

UF: Telecom network

topology

BT: Telecommunications

RT: Dynamic spectrum

access

Network topology

NT: Intelligent networks

Passive networks

Telecommunication

congestion control

Telecommunication

network management

Telecommunication

network reliability

Telecommunication

traffic

Telecommunication power management

USE: Power system

management

Telecommunication security

USE: Communication system

security

Telecommunication services

UF: Telecom services
BT: Telecommunications
RT: Radio access networks
NT: Acoustic communication

(telecommunication)

Telecommunication signalling

USE: Communication system

signaling

Telecommunication standards

USE: Communication

standards

Telecommunication switching

UF: Telecom switching BT: Switching systems

Telecommunication traffic

UF: Network traffic

Telecom traffic
Traffic load

BT: Telecommunication

network topology

Telecommunications

UF: Telecom

BT: Communication systems

RT: Convolutional codes

Diversity reception Film bulk acoustic

resonators

Global Positioning

System

Helical antennas

Multiaccess

communication

Multicarrier code

division multiple access

Multicast

communication

Next generation

networking

Optical wavelength

conversion

Reflectivity

Switched circuits
Telecontrol equipment

NT: Ambient intelligence

Feedback

communications

IP networks

Radio access networks Railway communication Space communications Telecommunication

computing

Telecommunication

network topology

Telecommunication

services

Telematics

Telecommuting

USE: Teleworking

Teleconferencing

UF: Videoconferencing
BT: Communication systems
RT: Image communication

Meetings

Office automation

Telecontrol equipment

BT: Control equipment RT: Communication systems



Data communication

Power industry Telephony

Power systems BT: Communication systems Remote handling RT: Telecommunication

Telecommunications computing

Telegraphy

Communication systems

Telecommunication

BT:

RT:

RT:

Telephone equipment Telephone sets

Videophone systems

Teleportation computing

UF: Quantum teleportation

Telematics BT: Quantum mechanics Information technology RT: Information theory BT:

> Telecommunications Ouantum communication Quantum entanglement Cyberspace

Telemedicine Telepresence

Biomedical BT: Human computer BT:

communication interaction

> RT: Telepresence Technology

RT: Telemedicine Telemetry

Teleprinting BT: Aerospace and

electronic systems BT: Communication systems

> Data communication Data communication

RT: Deep-space Printing

communications RT: Digital communication

Measurement **Telerobotics** NT: Biomedical telemetry

BT: Robots

RT:

Teleoperators Delay systems BT:

Telerobotics Human factors Manipulators Telephone equipment Mobile robots BT: Communication Remote handling

equipment equipment

Land mobile radio NT: Teleoperators RT:

equipment Radio communication

equipment BT: Instruments

> Telephony RT: Astronomy Cellular phones NT: **Observatories**

Telephone sets Radio astronomy

Telescopes

Vocoders

Teletext

Telephone poles BT: Communication systems Information services BT:

Poles and towers

RT: Data communication

Videotex Telephone sets

UF: Handsets

Subscriber sets Television

BT: Telephone equipment USE: TV

RT: Telephony

Mobile handsets NT: Teleworking



UF: Mobile office

Telecommuting Virtual office

Systems, man, and

cybernetics

BT:

Telexistence

BT: Human computer

interaction

Real-time systems

Technology

Tellurium

BT: Chemical elements

TEM cells

UF: GHZ transverse

electromagnetic cells

GTEM cells Transverse

electromagnetic cells

BT: Test facilities RT: Anechoic chambers

Electromagnetic

compatibility and interference

Electromagnetic

interference

Electronic equipment

testing

Temperature

BT: Thermal factors RT:

Temperature control

Temperature

measurement

Temperature

distribution

Temperature control

Thermal variables BT:

control

RT: Space heating

> Temperature Thermal factors

Ventilation

NT: Cooling

Heating systems

Temperature dependence

Thermal factors BT:

Temperature distribution

BT: Temperature

Insulators RT:

Temperature measurement

Thermal variables BT:

measurement

RT: Bolometers

Radiometry

Temperature

Temperature sensors

Thermistors

Thermoresistivity

NT: Cryobiology

> Cryogenics Cryotherapy Global warming

Kelvin

Thomson effect

Temperature sensors

BT: Thermal sensors RT: Bragg gratings

Optical fibers Temperature

measurement

Transducers

NT: Thermometers

Temporal lobe

BT: Brain

NT: Hippocampus

Tendons

BT: Musculoskeletal system

Tennis

USE: **Sports**

Tensile strain

BT: Strain

Tensile stress RT:

Tensile stress

BT: Stress

RT: Tensile strain

Tensors

BT: Mathematics

Terahertz materials

BT: Materials

NT: Terahertz

metamaterials

Terahertz metamaterials



BT: Electromagnetic Troposphere

metamaterials BT: Geoscience and remote

> Terahertz materials sensing

RT: Atmospheric

9/11 attack

September 11

911 attack

Terrorist

Biohazards Surveillance

Bioterrorism

Cyber terrorism

National security

Data compression

Automatic test

Anechoic chambers

Large Hadron Collider

Open area test sites

Laboratories

Wind tunnels

Test pattern

TEM cells

Security

Weapons

Terrorism

Testing Oscilloscopes

Testing

BT:

RT:

NT:

USE:

Test data compression

BT:

BT:

RT: NT:

BT:

NT:

Test equipment

Test facilities

Test generation

USE:

Terrorist

Terahertz radiation measurements

> Radiation effects Geophysics BT: Meteorology RT: Electromagnetic

NT: radiation Clouds

Global warming Terbium Ionosphere

BT: Chemical elements Magnetosphere

Termination of employment Terrorism

UF: Dismissal (employment) UF: 9/11

Redundancy

(employment) BT: Employment

Human resource

management

Pensions

Terminology

Definitions UF: Glossaries

BT: Information retrieval

NT: Dictionaries

Ternary Logic

USE: Multivalued logic

Terrain factors

BT: Interference

RT: Earth

Multipath channels

Rough surfaces

Terrain mapping equipment

Topography (earth) UF:

Geoscience and remote BT:

sensing

RT: Earth

Geologic measurements

Geophysical

measurements

Global Positioning

System

Remote sensing

Vegetation mapping

NT: Digital elevation

generators models

Terrestrial atmosphere Test pattern generators

UF: Earth atmosphere UF: Test generation

Stratosphere



BT: Automatic test pattern Text classification

generation Text categorization USE:

Testing Text messaging

> BT: Industrial electronics

Instrumentation and

measurement Cause effect analysis RT:

Fault diagnosis

Hardware-in-the loop

simulation

Inspection Leak detection

Maintenance

engineering

Measurement

NT: Aerospace testing Automatic testing Benchmark testing

Built-in self-test Circuit testing

Conformance testing Electronic equipment

testing

Error analysis

Error-free operations

Failure analysis

Frequency response Impulse testing

Insulator testing

Integrated circuit

testing

Life testing Materials testing Optical fiber testing

Remaining life

assessment

Ring generators

Semiconductor device

testing

Software testing

System testing

Test equipment

Test facilities

Text analysis BT: Data mining

NT: Text categorization

Text categorization

UF: Text classification BT: Text analysis RT:

Data analysis

USE: Electronic messaging

Text mining

BT: Data mining RT: Triples (Data

structure)

Text processing

Photocomposition UF:

Word processing

BT: Data processing Desktop publishing RT:

Document handling Office automation

Publishing

Text recognition

NT: Typesetting

Text recognition

Pattern recognition BT: RT: Character recognition

Text processing

Textile fibers

UF: Fibers

Textile fibres

BT: Textiles RT: Cotton

Spinning

Textile products Textile technology

Weaving

Wool

NT: Natural fibers

Synthetic fibers

Yarn

Textile fibres

Textile fibers USE:

Textile industry

BT: Manufacturing

industries

RT: Clothing industry

Cotton

Spinning machines Textile machinery Textile products Textile technology

Weaving



Textile machinery

BT: Machinery

RT: Needles

> Textile industry Textile products

Textile technology

Textiles

NT: Spinning machines Theodolites BT:

Thallium

Instruments RT: Geodesy

Geologic measurements

Chemical elements

Geophysical

measurement techniques

BT:

Textile products

UF: Technical textiles BT: Manufactured products

RT: Textile fibers

> Textile industry Textile machinery

Textile technology

Textiles

Theoretical neuroscience

Computational USE:

neuroscience

Therapy

Medical treatment USE:

Textile technology

NT:

BT: Industries RT: Bleaching Textile fibers

Textile industry Textile machinery Textile products

Textiles Spinning Weaving

Thermal analysis

BT: Thermal variables

control

Thermomechanical

processes

Thermal conductivity

NT:

BT: Thermal factors RT: Grain boundaries Thermal resistance

NT: Heat transfer

Textiles

BT: Materials

RT: Spinning machines

Textile machinery

Textile products

Textile technology

Weaving

NT: Cotton

Fabrics

Textile fibers

Wool

Thermal decomposition

BT: Thermolysis

Thermal degradation

BT: Thermolysis

Thermal energy

BT: Heating systems

Energy RT:

> Kinetic energy Thermal engineering

TFETS

Tunnel field effect UF:

transistors

Field effect BT:

transistors

RT: MOSFET

TFT

Thermal engineering

BT: Engineering - general

RT: Cooling

Heat recovery

Heating systems Thermal energy Thermal factors

Thermal variables

Thin film transistors USE: control

Thermal variables

Thalamus measurement

> BT: Brain



Thermal expansion

density

control

NT:

Thermal factors Thermal management of electronics BT:

Thermal force NT: BT: Components, packaging,

and manufacturing technology Thermal factors

NT: Electronic packaging

UF: High-temperature thermal management effects

Electronics cooling

BT: **Physics** RT: Annealing Thermal noise

> Critical current UF: Johnson Nyquist noise

BT: Circuit noise Heat treatment RT: Conductors

Proton effects Pyroelectricity Thermal plumes

Superconducting USE: Thermal pollution

devices

Superconducting Thermal pollution

materials UF: Heat islands

Temperature control Thermal plumes Thermal engineering Urban heat islands

Thermal stability BT: Pollution Thermal variables RT: Air pollution

Global warming

Thermal variables Industrial pollution measurement Marine pollution

> Temperature Waste heat Temperature dependence Water pollution Thermal conductivity

Thermal quenching Thermal expansion

Thermal management BT: Cooling

Thermal stresses Thermoelasticity Thermal resistance

Thermoelectricity BT: Resistance

Thermolysis RT: Thermal conductivity Thermooptic effects

Thermoresistivity Thermal sensors

BT: Sensors

Thermal force NT: Temperature sensors

BT: Thermal expansion Thermal spraying

Thermal lensing BT: Spraying

BT: Thermooptic effects

RT: Laser beams Thermal stability

Nonlinear optics BT: Stability

RT: Optical distortion Integrated circuit

Solid lasers reliability

Thermal factors Thermal loading

BT: Thermal stresses Thermal stresses

BT: Thermal factors NT: Thermal loading Thermal management

BT: Thermal factors

RT: Enthalpy Thermal variables control

Reliability BT: Control systems



RT: Thermal engineering

Thermal factors

HVAC NT:

> Temperature control Thermal analysis

Thermal variables measurement

BT: Measurement RT: Calorimetry

Thermal engineering Thermal factors Transducers

NT: Temperature

measurement

Thermal wave imaging

Photothermal effects USF:

Thermionic emission

BT: Nuclear and plasma

sciences

Electron emission RT:

Ion emission

Transmission electron

microscopy

Vacuum arcs

Thermionic valves

Electron tubes USE:

Thermistors

BT: Semiconductor devices

RT: Temperature

measurement

Thermoresistivity

Thermo-mechanics

USE: Thermomechanical

processes

Thermo-optic effects

Thermooptic effects USE:

Thermo-optical devices

USE: Thermooptical devices

Thermochromism

BT: Thermooptic effects

Thermodynamics

BT: Science - general

NT: Enthalpy

Isobaric

Isothermal processes

Thermoelasticity

Thermal factors BT:

Thermoelectric devices

Thermoelectricity BT:

Thermoelectric effect

USE: Thermoelectricity

Thermoelectric materials

BT: Materials

Thermoelectricity

Thermoelectricity

UF: Seebeck effect

Thermoelectric effect

BT: Electricity

> Energy conversion Thermal factors

NT: Electrothermal effects

Peltier effect

Thermoelectric devices

Thermoelectric

materials

Thermoforming

BT: Manufacturing systems

Thermoluminescence

BT: Luminescence

Thermolysis

Chemical processes BT:

Thermal factors

NT: Thermal decomposition

Thermal degradation

Thermomechanical processes

UF: Thermo-mechanics

Thermomechanics

BT: Thermal analysis

Thermomechanics

Thermomechanical USE:

processes

Thermometers

BT: Temperature sensors

Thermonuclear fusion

USE: Fusion reactors

Thermooptic effects



UF: Thermo-optic effects Thick film devices BT: Thermal factors Thick film inductors

Birefringence RT:

> Optical propagation Optical reflection BT: Electron devices Optical refraction RT: Thermooptical devices Thick films

NT: Thermal lensing

Thermochromism Thermoreflectance

Thermooptical devices

UF: Thermo-optical devices

BT: Optical devices RT: Integrated optics Optical switches Solid lasers

Thermooptic effects

Thermoplastic polyethylene

BT: Polyethylene

UHMWPE NT:

Thermoreflectance

BT: Thermooptic effects

Thermoreflectance imaging

BT: Optical imaging RT: Spectroscopy

Thermoresistivity

BT: Thermal factors

RT: Temperature

measurement

Thermistors

Thermostats

BT: Control equipment

Thesauri

UF: Thesaurus BT: Knowledge

representation

Writing

RT: **Ontologies**

Thesaurus

USE: Thesauri

Thick film circuits

BT: Circuits

Integrated circuits RT: Hybrid integrated

circuits

Thick film devices

Thick film circuits

Thick film inductors NT:

Thick film inductors

BT: Inductors

Thick film devices Microstrip components RT:

Thick film circuits

Thick films

Thick film sensors

UF: Thick-film sensors

BT: Sensors

Thick films

BT: Films

Dielectric films RT:

> Semiconductor films Superconducting films Thick film devices Thick film inductors

Thick-film sensors

USF: Thick film sensors

Thickness control

BT: Mechanical variables

control

RT: Size control

Thickness measurement

BT: Mechanical variables

measurement

Micrometers RT.

Size measurement

Thigh

BT: **Extremities**

Thin film circuits

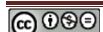
BT: Circuits

Integrated circuits

Hybrid integrated RT:

circuits

Silicon-on-insulator Thin film devices Thin film inductors



Thin film deposition Thin film inductors

> USE: Sputtering NT: Buffer layers

> > films

Epitaxial growth Semiconductor thin

Thin film devices

BT: Electron devices

RT: Amorphous

semiconductors

Doping profiles

Giant

magnetoresistance

Thin film circuits

Thin films

NT: Film bulk acoustic

resonators

Thin film inductors

Thin film transistors

Thin film inductors

BT: Inductors

Thin film devices

RT: Thin film circuits

Thin films

Thin film sensors

BT: Sensors

Thin film transistors

UF:

Thin-film transistors

Active matrix BT:

technology

Field effect

transistors

Thin film devices

RT: Displays

Liquid crystal devices

NT: Organic thin film

transistors

Thin films

BT: Films

Diamond-like carbon RT: Dielectric films

Epitaxial layers Magnetic films Molecular beam

epitaxial growth

Molecular beams Self-assembly

Semiconductor films

Superconducting films

Superconducting thin

films Thin film devices Thin wall structures

BT: Structural shapes

RT: Honeycomb structures

Lightweight structures Sandwich structures Sheet materials Structural panels

Structural shells

Thin-film transistors

Thin film transistors USF:

Third generation mobile communication

USE: 3G mobile

communication

Thomson effect

BT: Temperature

measurement

Thorax

BT: Body regions

Skeleton

NT: Ribs

Sternum

Thorium

BT: Chemical elements

Three dimensional displays

USE: Three-dimensional

displays

Three-dimensional displays

UF: 3-D displays

3-D modeling 3-D modelling

3-D reconstruction

3D displays 3D modeling 3D modelling

3D reconstruction Three dimensional

displays

BT: Displays

RT: Shadow mapping

Sprites (computer)

Structure from motion



NT: Bundle adjustment BT: Communication channels

Three-dimensional integrated circuits

BT: Integrated circuits

Three-dimensional printing

3D printing UF:

Additive manufacturing

BT: Manufacturing systems

Printing

RT: Ink jet printing

Rapid prototyping

Three-dimensional television

BT:

Three-dimensional vision

Stereo vision USE:

Three-phase electric power

BT: Power electronics

RT: Conductors

Voltage control

Three-term control

BT: Process control

Threshold current

BT: Current

> RT: Electron devices

> > Lasers

Threshold voltage

BT: Voltage

RT: Integrated circuit

noise

MOSFET circuits

Transistors

Subthreshold current NT:

Thresholding (Imaging)

BT: Image segmentaton RT: Image edge detection

Thrombosis

Medical conditions BT:

Through-silicon vias

UF: BT:

Integrated circuits

Throughput

Network throughput UF:

Throughput (communication systems)

Information rates USE:

Thulium

BT: Chemical elements

Thumb

BT: Fingers

Thyratrons

Electron tubes BT:

RT: Gas discharge devices

Thyristor circuits

BT: Circuits RT: Thyristors

Thyristors

UF: Diacs

SCR

Semiconductor

controlled rectifiers

Silicon controlled

rectifiers

Triacs

BT: Power semiconductor

switches

Thyristor circuits RT:

Photothyristors NT:

Τi

Tides

USE: Titanium

BT: 0ceans

RT: Ocean circulation

Tiles

BT: Building materials

Ceramic products RT:

> Ceramics Floors

Timbre BT:

Time complexity

BT: Computational

complexity

Music

RT: Computational modeling

Time delay



USE: Delay effects BT: System analysis and

design

Time difference of arrival RT: Bang-bang control UF: Time-difference-of-NT: Continuous time

arrival systems

Object detection BT: Discrete-time systems Time invariant systems Time dissemination Time-varying systems

BT: Time measurement RT: Time frequency analysis Satellite navigation

systems USE: Time-frequency

Synchronization analysis

Time division multiaccess Time invariant systems

Time division multiple BT: Time factors USE:

RT: Differential equations access

Time division multiple access Time measurement

Time division UF: BT: Measurement RT: Time-frequency

multiaccess

BT: Multiaccess analysis

communication Watches NT: Clocks.

Time division multiplexed Time dissemination

USE: Time division Timing

multiplexing

Time of arrival estimation Time division multiplexing UF: TOA estimation

Time-of-arrival UF: TDM

Time division estimation

multiplexed Parameter estimation RT.

BT: Multiplexing RT: Array signal

processing Time division synchronous code division Direction-of-arrival

multiple access estimation

UF: **TDSCDMA** Signal detection

BT: Multiaccess

Time series analysis communication

3G mobile **Statistics** RT: BT: communication RT: Autocorrelation

4G mobile Autoregressive

communication processes

Land mobile radio Chaotic communication

cellular systems Modeling

Multicarrier code Random processes division multiple access

Spectral analysis Spread spectrum Statistical analysis

Time sharing computer systems

Time domain analysis UF: Time-sharing computer

USE: Time-domain analysis systems

Time-sharing systems

Time factors BT: Computers and

information processing

communication

RT: Mainframes USE: Time sharing computer

systems

Time to market

BT: Design methodology Time-varying channels

Product development BT: Communication channels Concurrent engineering RT: Mobile communication

Wireless LAN

Time varying circuits

RT:

BT: Circuits Time-varying systems

UF: Time varying systems

Time varying systems BT: Time factors
USE: Time-varying systems RT: Control systems
NT: Switched systems

Time warp simulation

BT: Discrete event Timing

simulation BT: Time measurement

RT: Clocks

Time-difference-of-arrival Logic design
USE: Time difference of System dynamics arrival Timing jitter

arrival Timing j.
NT: Bit rate

Time-domain analysis

UF: FDTD Synchron

F: FDTD Synchronization
Time domain analysis

BT: Electromagnetic Timing jitter

analysis BT: Jitter

RT: Phase noise RT: Timing
State-space methods

Waves Tin

Time-frequency analysis

UF: Time frequency

analysis

BT: Metals

NT: Tin alloys

Tin compounds

analysis
BT: Frequency-domain

analysis Tin alloys

RT: Biomedical signal BT: Tin processing RT: Alloying

rocessing RI: Alloying
Fourier transforms NT: Niobium-tin

Frequency measurement
Image processing Tin compounds

Power systems BT: Tin

Time measurement

Video signal

Tire pressure

processing BT: Pressure measurement

Tires

Time-of-arrival estimation
USE: Time of arrival

estimation UF: Tyres

BT: Mechanical products

Time-sharing computer systems Rubber products

USE: Time sharing computer RT: Automobile manufacture

systems Automotive components

Vehicles

UF:

Sn

Wheels

Time-sharing systems Wheels



Tires

NT: Tire pressure

USE: Pediatrics Tissue damage

BT: Lesions

Tokamak devices Tissue engineering Tokamaks BT:

> Magnetic confinement UF: Tissue scaffolds RT:

ToddLer

Tokamaks

BT:

RT:

BT: Biomedical engineering Toroidal magnetic RT: Biological materials fields

Colloidal lithography Diamond-like carbon

Genetic engineering

NT: Regeneration

engineering

Tissue scaffolds

Plasma simulation USE: Tokamak devices Tissue engineering NT:

Token networks Tissues

> USE: Biological tissues BT: Communication systems

> > Computer networks Digital systems

Fusion reactors

Plasma devices

Plasma applications

Magnetic confinement

USF: Titanium compounds RT: Local area networks

Metropolitan area

Titanium networks UF: Τi

Wide area networks Chemical elements BT:

Metals Tokenization

NT: Titanium allovs Data security BT:

Titanium compounds Natural language Titanium dioxide processing

Titanium nitride

Tolerance analysis Titanium alloys UF:

Circuit tolerance BT:

Titanium analysis

RT: Alloying Tolerating problems

BT: Manufacturing Titanium compounds Circuit analysis RT: UF: Titanates Circuit optimization

BT: Titanium Semiconductor device

breakdown

Titanium

Titanium dioxide Sensitivity Titanium BT:

Tolerating problems

Titanium nitride USE: Tolerance analysis

Tomographic

TMR USE: Tomography

USE: Tunneling magnetoresistance **Tomography**

UF: Tomographic

TOA estimation BT: Imaging

USE: Time of arrival RT: Biomedical imaging estimation

Titanates



BT:

Geophysical Tornados measurement techniques BT: Geoscience

Image reconstruction

NT: Computed tomography

Electrical capacitance

tomography

Optical coherence

tomography

Positron emission

tomography

Reconstruction

algorithms

Tomosynthesis

Biomedical imaging USE:

Tongue

BT: Digestive system

Stomatognathic system RT:

Tools

Manufactured products BT:

Hand tools NT:

Tooth

USE: Teeth

Topography (earth)

USE: Terrain mapping

Topological insulators

BT: Insulators

Topology

BT: Mathematics RT: Graph theory

Morphological

operations

TOPSIS

UF: Technique for order of

preference by simularity to ideal

solution

BT: Decision theory RT:

Decision making Fuzzy set theory

Operations research

Optimization

Tornado

USE: Tornadoes

Tornadoes

Tornado UF:

Tornados

USE: Tornadoes

Toroidal magnetic fields

BT: Magnetic fields

RT: Tokamak devices

Torpedoes

USE: Missiles

Torque

BT: Mechanical factors

RT: Torque control

Torque converters

Torque measurement

Torque control

BT: Mechanical variables

control

Motor drives RT:

Torque

Torque converters

UF: Torque convertors

BT: Mechanical power

transmission

RT: Automotive components

> Drives Engines Gears Shafts

Torque

Torque convertors

USE: Torque converters

Torque measurement

UF: Torque ripple

BT: Mechanical variables

measurement

RT: Pressure gauges

Torque

NT: Dynamometers

Torque ripple

USE: Torque measurement

Torso

Body regions BT:

Total harmonic distortion



BT: Distortion measurement

> Harmonic distortion Industries BT:

Toy industry

Electronics industry

Maximum likelihood

RT: Signal analysis

Toy manufacturing industry Total ionizing dose

UF: Toys Radiation effects BT:

Manufacturing BT: RT: Aerospace electronics industries

Radiation hardening RT:

(electronics)

Toys Total quality management USE: Toy manufacturing

UF: TQM industry

BT: Ouality management

RT: Business process re-TOM

engineering

USE: Total quality Design for quality management

Quality assurance Quality awards

Quality control

BT: Motion measurement NT: Continuous improvement RT: Iterative learning

Tracking

Six sigma control

Touch screens estimation

Touch sensitive Particle tracking USE:

Position measurement screens

Tracking loops

Touch sensitive screens Velocity measurement

UF: Touch screens NT: Object tracking BT: Computer displays Target tracking RT: Haptic interfaces Trajectory tracking Tactile sensors Underwater tracking

Video tracking

Touch sensors

USE: Tactile sensors Tracking loops

UF: Delay lock loops Towers BT: Linear feedback

USE: Poles and towers control systems

Signal processing

Modulation Town gas RT: USE: Coal gas Synchronization

Tracking

Toxic chemicals

Chemical hazards **Traction motors** BT:

Toxicology BT: Motors

RT: Battery powered

vehicles Toxicology

> UF: Poisons Fuel cell vehicles BT: Hazards Hybrid electric

Chemical hazards RT: vehicles

> Hazardous materials Propulsion

Occupational health Solar powered vehicles

Pollution

Toxic chemicals NT: Traction power supplies

BT: Power supplies



Training

Tractors UF: Technician training

USE: Agricultural machinery BT: Education RT: Accreditation

Continuing education

Continuing USE: Business

professional development

Electronic learning Learning management

systems

International trade Trade agreements

Free trade **GATT**

General agreement on

tariffs and trade

Trade (international)

USE:

UF:

Economics BT: RT: Globalization

International

collaboration

Trade

International trade

Trade unions

Industrial relations USF:

Trademarks

BT: Law

Legal factors

RT: Copyright protection

Traffic congestion

BT: Road transportation

RT: Traffic control

Traffic control

UF: Traffic pattern

Traffic simulation

BT: Control systems

RT: Communication systems

Computer network

management

Traffic congestion

NT: Queueing analysis

Vehicle routing

Traffic Load

Telecommunication USF:

traffic

Traffic pattern

USE: Traffic control

Traffic simulation

USE: Traffic control Manuals

Mentoring Personnel

NT: Certification

> Industrial training Management training On the job training Qualifications

> Vocational training

Training data

BT: Data analysis

Trajectory

Path planning BT: Motion control RT: Object tracking

NT: Trajectory

optimization

Trajectory optimization

BT: Optimization

Trajectory

Trajectory tracking

BT: Path planning

Tracking

RT: Motion control

Robot control

Trans human

USE: Transhuman

Trans-human

USE: Transhuman

Transaction databases

BT: **Databases** NT: Itemsets

Transactive control

USE: Transactive energy

Transactive energy



UF: Transactive control BT: Energy management Power distribution RT: Power markets

Power system economics

Smart grids

transducers

BT: Communication

equipment

Transceivers

RT: Land mobile radio

equipment

Mobile communication

Mobile handsets Software radio

Radio transceivers NT:

Transcoding

BT: Encoding

RT: Data compression

Image coding Multimedia

communication

Video coding

Transconductance

UF: Mutual conductance

BT: Conductivity Transconductors RT:

Transconductors

BT: CMOS integrated

circuits

RT: Transconductance

Transcranial direct current stimulation

BT: Neuroscience

Neurostimulation

Transcranial magnetic stimulation

BT: Neuroscience

Neurostimulation

Transducers

Electronic components BT:

Electric variables RT:

measurement

Measurement

Mechanical variables

measurement

Solenoids

Temperature sensors

Thermal variables

measurement

Biomedical transducers Capacitive transducers Chemical transducers

Inductive transducers

Acoustic transducers

Piezoelectric

Resistive transducers

Ultrasonic transducer

arrays

Transfer function

NT:

USE: Transfer functions

Transfer functions

UF: Transfer function BT: Differential equations

RT: Control systems

Damping

Linear systems

Poles and zeros NT:

Transfer molding

UF: Resin transfer molding

Resin transfer

moulding

Transfer moulding

BT: Production

Transfer moulding

USE: Transfer molding

Transferred electron devices

USE: Gunn devices

Transform coding

UF: JPEG

JPEG2000

MPEG

BT: Data compression

RT: Digital photography

MPEG standards

Principal component

analysis

Vector quantization

Transformer cores

BT: Magnetic cores

Magnetic devices

RT: Power transformers

Transformers

Transformer oil

Oil insulation USE:



Steady-state

Transformer windings

BT: RT:

USE: Windings Transient gratings

> USE: Gratings

Transformers

BT: Power systems Transient response

RT: Coils UF: Natural response BT: Core loss Propagation

Inductive power RT: Damping

transmission

Transformer cores Transients

Voltage multipliers USE: Transient analysis

Windings

NT: Baluns **Transinformation**

> USE: Current transformers Mutual information

Flyback transformers

Instrument **Transistors**

transformers Semiconductor devices

Phase transformers Solid state circuits Power transformers RT: Aluminum gallium

transistors

Pulse transformers nitride

Bipolar transistors Transforms

CMOS technology Mathematics Silicon germanium Numerical analysis Threshold voltage

Signal processing NT: Field effect

Spectral analysis transistors

NT: Discrete transforms Heterojunction bipolar Empirical mode transistors

decomposition Millimeter wave Fourier transforms

> Karhunen-Loeve Phototransistors

transforms Static induction

Poincare invariance transistors

Wavelet transforms

Transmembrane potential

Transhuman USE: Membrane potentials UF: Trans human

> Transmissible disease Trans-human

Transhumanism USE: Infectious diseases

Systems, man, and BT:

cybernetics Transmission control protocol-internet

RT: Posthuman protocol

USE: **TCPIP**

Transhumanism

USF: Transhuman Transmission control protocol/internet

protocol

Transient analysis USE: **TCPIP**

> UF: Transients

BT: Transmission electron microscopy Power system transients BT: Electron microscopy

RT: Electromagnetic RT: Electron beams

transients Thermionic emission

Signal analysis



Transmission line antennas Poles and towers

Antennas Power line RT.

RT: Transmission lines communications

Power transmission

Transmission line circuits

USE: Distributed parameter

circuits

Superconducting

transmission lines

discontinuities

lines

theory

Transmission line discontinuities Transmission line

> BT: Transmission lines RT: Freight handling

NT: Waveguide

discontinuities

Transmission of electric power Transmission line matrix methods

USF: Power transmission

Transmission line

Transmitting antennas

Communication

Stripline

BT: Mathematics Numerical analysis Transmission-line

> USE: Transmission lines

> > USE:

Transmitting antennas

UF:

BT:

RT:

Transmit antennas

Transmission line measurements

BT: Electric variables

measurement

RT: Impedance measurement

Transmission lines

Transmitters BT:

Transmission line theory equipment

> Linearization BT: Transmission lines RT:

RT: Capacitance techniques

Conductivity Modulation

Crosstalk SISO communication Frequency NT: Auxiliary transmitters Inductance

Diversity methods Neurotransmitters Optical transmitters Radio transmitters Transmitting antennas

> Antennas Transmitters

RT:

Transmission lines

UF:

NT:

BT: Power transmission Baluns

Circuit noise Civil engineering Coaxial cables

Transmission-line

Distributed parameter

circuits

antennas

Helical antennas

Splicing

Transmission line

Multiconductor

Transponders

BT: Communication

equipment

Radio communication

Transmit antennas

Receiving antennas

measurements

Transmission line

equipment Cables

RT: Radio navigation

Satellite Electromagnetic

waveguides communication

transmission lines Transport protocols

Planar transmission BT: Protocols RT: IP networks lines



Radio link BT: Data structures SONET NT: Binary trees

Synchronous digital

hierarchy Tree graphs

TCPIP BT: Graph theory
RT: Circuit topology

Transportation
BT: Intelligent Tree searching

transportation systems USE: Decision trees

RT: Bridges

Freight containers Trees (botanical)

NT: Air transportation USE: Vegetation Escalators

Green transportation Trees - insulation
Land transportation UF: Wa

Land transportation UF: Water trees Public transportation BT: Insulators Seaports RT: Humidity

Smart transportation Insulation life

Vehicles Moisture

Transportation industry Trellis codes

BT: Industries USE: Convolutional codes

Transversal filters Triacs

BT: Filters USE: Thyristors

RT: Digital filters
Filtering theory Triboelectricity

Signal processing BT: Electricity

Electrostatic

Transverse electromagnetic cells processes

USE: TEM cells Surface charging RT: Nanogenerators

Traveling salesman USE: Traveling salesman Tribology

problems BT: Motion measurement

Traveling salesman problems Trigen

UF: Traveling salesman USE: Trigeneration

Travelling salesman

problem Trigeneration
BT: NP-hard problem UF: CHCP

bi. Nr-ilai u pi obtelii

Combined heat, cooling

Traveling wave tubes and power

UF: Travelling wave tubes Combined heat,

BT: Electron tubes cooling, and power

Trigen

Travelling salesman problem BT: Cooling USE: Traveling salesman Heating systems

problems Power generation

RT: Cogeneration
Travelling wave tubes

USE: Traveling wave tubes Trigger circuits

BT: Circuits



Trions Trust management

> BT: Decision making

> > Information security

Triples (Data structure)

BT:

UF:

Semantic triple Subject predicate

object

Triplestore

BT: Data storage systems RT: Database systems

Electrons

Information retrieval

Metasearch

Relational databases

Text mining

Triplestore

USE: Triples (Data

structure)

Tritium batteries

Atomic batteries USF:

Trojan horses

UF: Trojans

BT: Malware

RT: Cyber espionage

Trojans

USE: Trojan horses

Trolley cars

USE: Public transportation

Tropical cyclones

UF: Cyclonic storms

Storm systems

Tropical depressions

Tropical storms

BT: Cyclones

Tropical depressions

USE: Tropical cyclones

Tropical storms

Truncation errors

USE: Tropical cyclones

Troposphere

USE: Terrestrial atmosphere

USE: Finite wordlength

effects

Access control

Computer security

Cryptography Privacy

Tsunami

BT: Geoscience

RT:

USE: Through-silicon vias

Tubes

Tumor

TSV

USE: Electron tubes

USE: Tumors

Tumor cells

USF: Tumors

Tumor detection

USE: Tumors

Tumors

UF: Tumor

> Tumor cells Tumor detection

Tumours

BT: Medical conditions

RT: Cancer

Medical diagnostic

imaging

Oncology

Positron emission

tomography

Single photon emission

computed tomography

USE:

NT: Benign tumors

> Breast tumors Colonic polyps

Lesions

Malignant tumors

Tumors

Tunable circuits and devices

BT: Circuits and systems

Frequency control

Inductors RT:



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Tumours

Tuners Tunneling magnetoresistance

RT:

Tuning UF: TMR

RLC circuits NT: Tunnelling

> Tuned circuits magnetoresistance

Magnetoresistance BT:

Tuned circuits Tunneling Tunable circuits and Magnetoresistive

devices devices

BT:

Tunnelling magnetoresistance **Tuners**

BT: **Instruments** USE: Tunneling

Tuning magnetoresistance

Frequency control RT: Frequency synthesizers Turbines

Resonators BT: Turbomachinery

Tunable circuits and Aircraft propulsion RT:

devices Boilers Compressors Tungsten Turbogenerators

UF: Wolfram Wind energy BT: Metals NT: Hydraulic turbines

Wind turbines

Tuning Frequency control Turbo codes BT:

RT: Tunable circuits and BT: Channel coding RT: devices Error correction

NT: Laser tuning Viterbi algorithm

Optical tuning Tuners Turbo generators

USF: Turbogenerators

Tuning forks USE: **Vibrations** Turbogenerators

UF: Turbo generators Tunnel effect BT: Turbomachinery

USF: RT: Turbines Tunneling

Wind power generation Tunnel field effect transistors

TFETs Turbomachine blades USE:

Turbomachinery

USE:

Tunneling

UF: Tunnel effect Turbomachinery BT: Electron devices UF: Turbomachine blades

BT: Quantum mechanics Power generation RT: Ouantum well devices RT: Blades

> Semiconductor Compressors Engines

Gate leakage Machine components

Josephson effect Mechanical systems Pumps Magnetic tunneling

Resonant tunneling NT: Turbines devices Turbogenerators

Tunneling

magnetoresistance Turbulent media

USE: Random media



materials

NT:

Turing machines TV interference

BT: Automata BT: Interference

RT: Digital computers RT: Echo interference Gaussian noise

Twitter

Turning

BT: Machining TV receivers

RT: Boring BT: TV equipment

Machine tools

Turnkey project UF: Hashtag

BT: Project engineering BT: Social network

Project management services

Tutorials Two dimensional displays

BT: Educational programs UF: 2-D displays
IEEE indexing 2D displays

Two-dimensional

TV displays

UF: Mobile television BT: Displays

TV broadcasting RT: Sprites (computer)
Television Structure from motion

BT: Communications

technology Two dimensional hole gas

RT: Electronic learning UF: 2-d hole gas
Entertainment industry 2d hole gas

HbbTV StandardsBT:Quantum well devicesImage communicationRT:Quantum well lasers

Plasma displays Quantum wells TV equipment

Telecommunication Two dimensional photonic crystals

computing USE: Photonic crystals

UHDTV

Visual communication Two-dimensional displays

NT: Analog TV USE: Two dimensional Cable TV displays

Color TV

Digital TV Two-dimensional electron gas FETs
Mobile TV USE: MODFETs

Smart TV

Three-dimensional Two-dimensional photonic crystals television USE: Photonic crystals

television USE: Photonic crysta Web TV

Two-term control

TV broadcasting BT: Process control USF: TV

Type II superconductors

TV equipment BT: Superconducting

BT: Communication materials

equipment RT: Flux pinning RT: Niobium

Video equipment

NT: Large screen displays Type interference
TV receivers



USE: Reasoning about **UHF** circuits

programs Ultra-high-frequency UF:

circuits

Type testing BT: Circuits

USE: Conformance testing UHF technology

Analog circuits RT: UHF integrated **Typesetting** NT:

BT: Text processing circuits

RT: Printing

UHF communication

Tyres UF: Ultra-high-frequency

USE: Tires communication

BT: Communication systems Uber

UHF technology

Mobile handsets USE: Public transportation RT:

UHF devices **Ubicomp**

> USE: Pervasive computing Ultra-high-frequency

devices **Ubiquitous** computing

BT: UHF technology UF: Ubiquitous wireless* RT: UHF antennas BT: Pervasive computing UHF integrated

Ambient intelligence RT:

Context-aware services NT:

UHF integrated circuits UF:

Ubiquitous wireless* Ultra-high-frequency

USE: Ubiquitous computing integrated circuits

BT: Circuits Integrated circuits

USF: Ultra-dense networks UHF circuits

circuits

UHF technology RT: Analog integrated

UHD

USE: **UHDTV** circuits

UHF devices **UHDTV**

UF: 4K UHD **UHF** measurements

> 8K UHD UF: Ultra-high-frequency

Super hi-vision measurements

UHD BT: Measurement Ultra HD RT: UHF technology

Ultra HD TV

Ultra-high definition **UHF** propagation TV UF:

UHF radio propagation

Ultra-high definition Ultra-high-frequency

television propagation

> HDTV BT: BT: Electromagnetic

RT: ITU Standards propagation

TV RT: Broadband antennas

UHF antennas UHF radio propagation

BT: USE: UHF propagation **Antennas**

UHF technology

RT: UHF devices UHF technology

UDN

UF: Ultra-high-frequency USE: Ultra wideband

technology technology

BT: Communications

technology **UHF** measurements RT:

NT: UHF antennas

> UHF circuits UHF communication

UHF devices

UHF integrated

circuits

UHMWPE UF: Ultra high molecular Ultrawideband

weight polyethylene

Thermoplastic BT:

polyethylene

UK Space Agency

USE: United Kingdom Space

Agency

UI ST communication

USE: Ultra large scale

integration

Ultra HD

USE: **UHDTV**

ULtra HD TV

USE: **UHDTV**

Ultra high molecular weight

polyethylene

USF: UHMWPE

Ultra large scale integration

UF: ULSI

BT: Circuits

Integrated circuits

Large scale

integration

Ultra low power*

USE: Low-power electronics

Ultra violet

USE: Ultraviolet sources

Ultra wide-band technology

> USE: Ultra wideband

technology antennas

communication

Ultra wideband

Ultra wideband antennas

UF: UWB antennas

Ultrawideband antennas

BT: Broadband antennas

Ultra wideband

technology

Ultra wideband radar RT:

Ultra wideband communication

UF: UWB communication

communication

Ultra wideband BT:

technology

Broadband RT:

communication

Military communication Multipath channels Spread spectrum

Ultra wideband radar

UF: UWB radar

Ultrawideband radar

BT: Radar

Ultra wideband

technology

Ground penetrating RT:

radar

Radar detection Radar imaging

Synthetic aperture

radar

antennas

technology

Ultra wideband

Ultra wideband technology

UF:

UWB technology Ultra wide-band

Ultra wideband Ultra-wide-band Ultra-wideband Ultrawideband

Ultrawideband

Communications BT:

NT: Ultra wideband

Ultra wideband



Ultra wideband radar USE: Ultra wideband

technology

Ultra-dense networks

UF: UDN

BT: Cellular networks

Mobile communication

RT: 5G mobile

communication

Microcell networks

Ultra-high definition television

USE: UHDTV

Ultra-high definition TV

USE: UHDTV

Ultra-high definition video

BT: High definition video

Ultra-high-frequency circuits

USE: UHF circuits

Ultra-high-frequency communication

USE: UHF communication

Ultra-high-frequency devices

USE: UHF devices

Ultra-high-frequency integrated

circuits

USE: UHF integrated

circuits

Ultra-high-frequency measurements

USE: UHF measurements

Ultra-high-frequency propagation

USE: UHF propagation

Ultra-high-frequency technology

USE: UHF technology

Ultra-low power*

USE: Low-power electronics

Ultra-violet

USE: Ultraviolet sources

Ultra-wide-band

USE: Ultra wideband

technology

ULtra-wideband

Ultracapacitors

USE: Supercapacitors

Ultrafast electronics

BT: High-speed electronics

Ultrafast optics

BT: Optics

Ultrasonic applications

USE: Acoustic applications

Ultrasonic devices

USE: Acoustic devices

Ultrasonic imaging

UF: Ultrasonic techniques

Ultrasound

BT: Ultrasonics,

ferroelectrics, and frequency control

RT: Amniocentesis

Biomedical imaging

NT: Ultrasonography

Ultrasonic techniques

USE: Ultrasonic imaging

Ultrasonic transducer arrays

BT: Transducers

Ultrasonic transducers

BT: Ultrasonics,

ferroelectrics, and frequency control

RT: Nondestructive testing

Piezoelectricity

Sonar

Ultrasonic variables measurement

BT: Measurement

Ultrasonics

USE: Acoustics

Ultrasonics, ferroelectrics, and

frequency control

NT: Ferroelectric

materials

Frequency control
Piezoelectricity
Pyroelectricity
Ultrasonic imaging



Ultrasonic transducers RT: Control systems

inequalities

Linear matrix

Robustness Uncertainty

Ultrasonography

BT: Biomedical image

processing

Ultrasonic imaging

Ultrasonic imaging

NT: Sonogram

Uncertainty

Ultrasound RT:

Fuzzy sets

Nonlinear dynamical

Ultraviolet sources

USE:

UF: **UV** sources

> Ultra violet Ultra-violet

Light sources BT:

RT: Lamps

Lasers

Ultrawideband

USE: Ultra wideband

technology

Ultrawideband antennas

USE: Ultra wideband

antennas

Ultrawideband communication

Ultra wideband USE:

communication

Ultrawideband radar

USE: Ultra wideband radar

Ultrawideband technology

Ultra wideband

technology

Umbilical cable

UF: Power supplies to

apparatus

Power supplies BT:

UML

Unified modeling USE:

language

UMTS

3G mobile USE:

communication

BT: Probability

Cognitive science

systems

Uncertain systems

NT: Forecast uncertainty

Underarm

USE: **Axilla**

Underground communication cables

USE: Communication cables

Underground object detection

USF: Buried object

detection

Underground objects

USE: Buried object

detection

Underground power cables

BT: Power cables

Undersea communication

USE: Underwater

communication

Underwater acoustics

Acoustics BT:

Underwater autonomous vehicles

USE: Autonomous underwater

vehicles

Underwater cables

UF: Marine cables

> Sub-sea cables Submarine cables

Subsea cables

BT: Cables

Marine technology

Uncertain systems Underwater communication

> UF: Parameter uncertainty UF: Undersea communication BT: Mathematics BT: Communication systems



Marine technology BT: Magnetic devices Underwater technology

Synchrotrons

Free electron lasers RT:

X-rays

Underwater drones

USE: Unmanned underwater

vehicles

Unemployment

BT: Human resource

management

Underwater equipment

UF: Diving equipment Flotation devices

BT: Marine technology

Underwater technology Underwater vehicles

RT: NT: Rebreathing equipment

Underwater exploration robots

Unmanned underwater USE:

vehicles

Underwater robots

USE: Unmanned underwater

vehicles

Underwater sensor networks

USE: Wireless sensor

networks

Underwater structures

Marine technology BT:

Underwater technology

Underwater technology

UF: Submarine technology BT: Marine technology

Underwater vehicles RT:

NT: Underwater

communication

Underwater equipment

Underwater structures

Underwater tracking

BT: Tracking

Underwater vehicles

UF:

Aquatic vehicles UF:

> Submarines Submersibles

BT: Marine vehicles

RT: Marine technology

> Underwater equipment Underwater technology

Undulators Wiggler magnets

Uniaxial strain

BT: Strain

Unicast

BT: Computer networks RT: Streaming media

Unified messaging

BT: Electronic mail

Electronic messaging

Unified modeling language

UF:

BT: Specification

languages

Client-server systems RT:

Common Information

Model (electricity)

Uniform Resource Identifier

Uniform resource USF:

locators

Uniform resource locators

UF: URL

Uniform Resource

Identifier

Uniform resource name

BT: Web sites

Uniform resource name

USE: Uniform resource

locators

Uninterruptible power systems

BT: Power systems RT: Batteries

Emergency power

supplies

Power supplies Protection

United Kingdom Space Agency

UF: **UK Space Agency**

BT: Organizations



Autonomous underwater

Units (measurement)

USE: Measurement units

Universal mobile telecommunication

service

3G mobile USF:

communication

Universal motors

BT: Motors

Universal Serial Bus

UF: USB

BT: Communication

standards

Information technology

Universities

USE: Educational

institutions

Unmanned aerial vehicles

Aerial robots UF:

Micro air vehicles

Unmanned air vehicles

Unmanned airborne

vehicles

Unmanned vehicles BT:

RT: Mobile robots

Drones NT:

Unmanned air vehicles

USE: Unmanned aerial

vehicles

Unmanned airborne vehicles

USE: Unmanned aerial

vehicles

Unmanned autonomous cars

USE: Unmanned autonomous

vehicles

Unmanned autonomous vehicle

USF: Autonomous vehicles

Unmanned autonomous vehicles

UF: Unmanned autonomous

cars

BT: Autonomous vehicles

NT: Autonomous aerial

vehicles

vehicles

Unmanned underwater vehicles

UF: Underwater drones

Underwater exploration

robots

Underwater robots

BT: Unmanned vehicles

Unmanned vehicles

IIF · Remotely guided

vehicles

Remotely operated

automobiles

Remotely operated cars

Remotely operated

vehicles

BT: Intelligent vehicles

NT: Unmanned aerial

vehicles

Unmanned underwater

vehicles

Unsolicited e-mail

USE: Unsolicited electronic

mail

Unsolicited electronic mail

UF: Junk e-mail

Junk email

Spam

Spamming

Unsolicited e-mail

Unsolicited email

Electronic mail Computer crime

Office automation

Privacy-invasive

software

Unsolicited email

BT:

RT:

Unsolicited electronic USE:

mail

Unsupervised learning

BT: Learning systems

RT: Formal concept

analysis

Generative adversarial

networks

Semisupervised

learning



Uplink

BT: Satellite US activities

communication USE: **IEEE United States**

activities

Upper bound

Boundary conditions US Department of Agriculture

US Government

Uranium

BT: Chemical elements US Department of Commerce

> BT: **US** Government **NIST**

> > NTIA

DoD

US Government

US Government

US Department of

US Government agencies

Government

Urban areas

UF: Cities and towns

City

Metropolitan areas Urban environments

BT: Geography

Public infrastructure RT:

Public transportation

NT: Smart cities

Urban planning

US Department of Energy UF:

US Department of Defense

NT:

UF:

BT:

UF:

BT:

BT:

NT:

US Government

Agriculture

Commerce

Defense

Energy

Transportation

US Department of Transportation

BT: US Government

DOT

Urban environments

Urban areas USF:

Urban heat islands

Thermal pollution USE:

Urban modeling

Urban planning USE:

Urban planning

UF: City planning

Urban modeling

BT: Urban areas

RT: Public infrastructure

NT: Urban policy

Urban policy

URL

Urban planning BT:

US local government

Urban pollution **US** Government agencies Pollution US Government BT: BT:

RT: **Patents**

Urinary calculesis NT: FAA

> FCC Kidney stones

FDA NASA USE: Uniform resource

US local government locators

BT: **US** Government

Urogenital system

USE:

BT: Anatomy Usability

NT: Bladder BT: Software design

Kidney



USB

USE: Universal Serial Bus User-computer interfaces

> User interfaces USE:

User centered design

UF: User-centered design

User-centred design

Design methodology BT:

User computer interfaces

USE: User interfaces

User friendliness

USE: Human computer

interaction

User generated content

User-generated content USE:

User interfaces

UF: Man-machine interfaces

User computer

interfaces

User-computer

interfaces

Systems, man, and

cybernetics

RT: Adaptive learning

Ambient intelligence

Browsers

Computer interfaces

Computer peripherals

Displays

Gaze tracking

Web design

NT: Audio user interfaces

Brain-computer

interfaces

Data visualization

Emotion recognition

Exoskeletons

Graphical user

interfaces

Human computer

interaction

Human-robot

interaction

Human-vehicle systems

Smart cards

User-centered design

USE: User centered design

User-created content

USE: User-generated content

User-generated content

UF: Consumer-generated

media

User generated content

User-created content

Data acquisition BT:

Utility programs

BT: System software

Utility theory

BT: Mathematics

RT: Supply and demand

UV sources

Ultraviolet sources USF:

UWB antennas

Ultra wideband USE:

antennas

UWB communication

Ultra wideband USF:

communication

UWB radar

V2G

V2I

V2V

V2X

networks

USE: Ultra wideband radar

UWB technology

USE: Ultra wideband

technology

USE: Vehicle-to-grid

USE: Vehicle-to-

infrastructure

USE: Vehicular ad hoc

USE: Vehicle-to-everything

User-centred design

User centered design Vaccines USE:



BT: Medical services Hydraulic equipment

Machine components

Fluid flow control Vacuum arc remelting RT:

> BT: Melt processing Manifolds NT: Microvalves

Vacuum arcs

Vacuum breakdown BT: Vanadium

Electron emission Chemical elements RT: BT:

USE:

Vapour deposition

deposition

Varactors

USE:

USE:

BT:

USE:

USE:

USF:

Variable speed drives

UF:

BT:

RT:

NT:

BT:

Variable structure systems

drives

Variable frequency drives

Variable optical attenuators

Blades

Chemical vapor

Reactive power

Semiconductor diodes

Variable speed drives

Optical attenuators

Input variables

Magnetic gears Motor drives

Adaptive systems

Drives

Variable frequency

Pitch control (audio)

Capacitors

Thermionic emission

Vacuum systems Vanes

Vacuum breakdown

BT: Dielectric breakdown **VANET**

RT: Electron emission USE: Vehicular ad hoc

> Vacuum systems networks

NT: Vacuum arcs

Vacuum electronics

BT: Vacuum technology

VAR Vacuum energy

Elementary particle USE: vacuum

Vacuum systems

BT: Vacuum technology

> RT: Bellows

> > Casimir effect

Leak detection

Vacuum arcs

Vacuum breakdown

NT: Gettering

Vacuum technology Variable selection

> BT: Electron devices

> RT: Field emitter arrays

> > Gettering Space charge

Photomultipliers NT:

Vacuum electronics

Vacuum systems

Vacuum tubes

VAD

USE: Electron tubes

USE: Voice activity

detection

BT: Resistors Valuation RT: Arresters

USE: Cost accounting Semiconductor devices

Valves Vascular system

> Fluid flow USE: BT: Circulatory system



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Varistors

Forestry **VCO** Geophysical

USE: Voltage-controlled measurement techniques

oscillators Remote sensing

Terrain mapping Vegetation

VCR USE: Video recording

Vehicle crash testing

VCSEL BT: Automotive engineering

USE: Vertical cavity Product safety

surface emitting lasers engineering

RT: Vehicles Vector optimization

Vehicle detection USE: Pareto optimization

Automotive engineering BT: **Vector processors**

BT: Vehicle driving Microprocessors

BT: Automotive engineering

Vector quantisation USE: Vector quantization Vehicle dynamics

BT: Automotive engineering RT: Hardware-in-the loop Vector quantization

Vector quantisation UF: simulation

BT: Vehicles Quantization (signal)

RT: Codes NT: Rollover Encoding

Vehicle routing Image coding

> MPEG 4 Standard BT: Traffic control Speech coding Intelligent vehicles RT: Transform coding

Path planning Video coding

Vehicle safety BT: **Vectors**

Automotive engineering BT:

Linear algebra Safety

RT: Eigenvalues and RT: Vehicle-to-everything

eigenfunctions NT: Advanced driver

Signal processing assistance systems

Lane departure warning

Vegetable oils systems BT: 0ils

RT: Food products Vehicle to vehicle communication

Vehicular ad hoc USE:

Vegetation networks

> UF: Trees (botanical)

BT: Vehicle-to-everything Biology UF: RT: Forestry

BT: Vegetation mapping Communication systems

Crops Intelligent vehicles

Advanced driver Marine vegetation RT:

assistance systems

On board unit Vegetation mapping

BT: Geoscience and remote Road safety Vehicle safety

Agriculture RT:



sensing

NT:

Vehicular ad hoc Mobile communication

networks Vehicle-to-everything

NT· Vehicle-to-Vehicles

Vehicular automation infrastructure NT: Road side unit

Vehicle-to-grid

generation

Vehicular and wireless technologies UF: V2G

BT: Electric vehicles Vehicular technologies UF: Smart grids NT: Automotive engineering

Land mobile radio RT: Battery powered

vehicles

Demand-side management Navigation

Distributed power Propulsion Vehicles

Fuel cell vehicles

Wireless sensor

Hybrid electric networks

vehicles

Load management Vehicular automation Propulsion BT: Automation

Solar powered vehicles RT: Autonomous vehicles

Intelligent vehicles

equipment

Vehicle-to-infrastructure Mechatronics UF: V2T Mobile robots

BT: Vehicle-to-everything Multi-agent systems Vehicular ad hoc

Vehicle-to-vehicle networks USE: Vehicular ad hoc

networks Vehicular technologies

Vehicular and wireless USE:

Vehicles technologies

BT: Transportation

Vehicular and wireless Veins

technologies BT: Blood vessels

RT: Mobile robots Tires Velocity control

Vehicle crash testing UF: Rotational measurement

> Vehicle dynamics Rotational speed Vehicular ad hoc Speed control

Mechanical variables networks BT:

control NT: Connected vehicles

Intelligent vehicles RT: Aerospace control

Land vehicles Angular velocity Military vehicles Cruise control Space vehicles Motion control Motor drives Vehicular ad hoc networks Servosystems

V2V UF: NT: Angular velocity

VANFT control

Vehicle to vehicle

communication Velocity measurement

Vehicle-to-vehicle UF: Speed measurement

BT: Ad hoc networks BT: Mechanical variables

RT: Dedicated short range measurement

communication Angular velocity RT:



Doppler measurement Distributed Bragg RT:

Flowmeters reflectors

Motion measurement P-i-n diodes

Slow light

Vertical cavity surface-emitting lasers Tracking Vertical cavity

surface emitting lasers

Ventilation BT: Cooling

> RT: Air conditioning Vertical recording

HVAC USE: Perpendicular magnetic

Temperature control recording

Vents

Vertical-cavity surface-emitting lasers NT: Fans

Vertical cavity USE:

Ventricle system surface emitting lasers BT: Brain

Very high speed integrated circuits

UF: VHSIC

BT: BT: Integrated circuits Mechanical products

RT: Air conditioning Buildings Very large scale integration

> UF: Ducts VLSI Space heating Very-large-scale-

> Ventilation integration

Windows Circuits

Integrated circuits

Venture capital Large scale

Economics integration Financial management Damascene integration RT:

RT: Business continuity Nanotechnology

Enterprise resource Parameter extraction

planning NT: Neuromorphics

Research and Wafer scale

development management integration

Risk analysis

Very Long instruction word Venus USE: VLIW

BT: Planets Very-high-frequency circuits

Vermin control USE: VHF circuits USE: Pest control

Very-high-frequency devices

VHF devices Veroboard USE:

USE: Stripboard circuit

Very-large-scale-integration USF: Vertical cavity surface emitting lasers Very large scale

integration UF: VCSEL

Vertical cavity surface-emitting lasers Very-Long-instruction-word

Vertical-cavity USE: VLIW

surface-emitting lasers **VHF** circuits BT: Surface emitting

Engineers (IEEE) for the benefit of humanity.

lasers UF: Very-high-frequency circuits

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> > **Page 570**



Vents

BT:

BT: Circuits

RT: Analog circuits **Vibrometers**

> Helical antennas BT: Meters

VHF devices RT: Vibration measurement

VHF devices Video annotation

> UF: Very-high-frequency USF: Image annotation

devices

BT: Communications Video codecs

BT: technology

Codecs RT: VHF circuits

Communication

Image coding

High efficiency video

equipment VHSIC

Video equipment USE: Very high speed RT: Decoding

integrated circuits

MPEG 4 Standard Vibrating bodies MPEG standards

USE: **Vibrations** Video coding

Vibration control Video coding

> BT: Mechanical variables UF: Advanced video coding

control Videocoding

RT: Damping BT: Video signal

Isolation technology processing

Shock absorbers Image coding RT: Vibration measurement MPEG 4 Standard

Vibrations MPEG standards

Rate distortion theory

Vibration measurement Streaming media

Mechanical variables Transcoding Vector quantization

Modal analysis Video codecs

Vibration control NT: DVD

Vibrations

Vibrometers coding

Vibrational signal processing Video compression

> Signal processing BT: Video signal

processing

Vibrations RT: Data compression

Mechanical vibrations Tuning forks Video equipment

> Camcorders Vibrating bodies UF: Mechanical factors BT: Communication

RT:

Acoustic noise equipment

Consumer electronics Acoustics RT: TV equipment Damping

Dynamics Video recording Elastodynamics NT: Optical projectors

Nanogenerators Video codecs

Oscillators Videos

Resonance

Vibration control Video games

Vibration measurement USE: Games



BT:

RT:

UF:

BT:

measurement

NT: Motion artifacts

Video coding

Video on demand Streaming media Video compression Broadband

communication Video streaming

> Digital multimedia USE: Streaming media

broadcasting

BT:

RT:

RT:

analysis

Video surveillance BT:

Video recording Surveillance UF: VCR

> VTR Video tracking

BT: Recording BT: Image motion analysis

RT: DVD Tracking

Image storage Video equipment video-game

High definition video NT: USE: Games

Videos

Webcams Videocoding

USE: Video coding

Video reviews BT: IEEE indexing **Videoconferences**

BT: Collaborative tools

Video sequence USE: Video sequences Videoconferencing

USE: Teleconferencing

Video sequences UF: Video sequence

Videophone systems BT: Computer graphics UF: Picture phones

Picturephones RT: Image databases

> Image processing BT: Communication systems Multimedia computing Image communication RT:

Telephony

Visual communication Video sharing

BT: Information retrieval RT: Internet **Videos**

NT: Facebook UF: Multimedia products BT: Video equipment MySpace YouTube Video recording

Video signal processing **Videotex**

Engineers (IEEE) for the benefit of humanity.

BT: Multidimensional UF: Viewdata

signal processing BT: Communication systems

> Authentication Information services Firewire RT: Data communication

Gaze tracking Teletext

IEEE 1394 Standard

Image annotation Viewdata

Image recognition USE: Videotex

MPEG 4 Standard

MPEG standards Virtual artifact

Object tracking Artificial BT:

Streaming media intelligence

Time-frequency Brain

Digital systems

Page 572

Virtual reality Virtual manufacturing

UF: Digital factories Virtual factories Virtual colonoscopy

BT: Computer applications

RT: CADCAM

Computer integrated

Online banking manufacturing USF:

Concurrent engineering

Research and

Virtual enterprises BT: Computer applications development

Operations research

Electronic commerce

Data processing Virtual enterprises Economics

Virtual prototyping Virtual reality

NT: Virtual machining

Internet Virtual office Research and

USF: Teleworking

Virtual manufacturing

Virtual reality

Colonoscopy

Virtual environments

RT:

development

BT:

Virtual currency

Virtual reality BT: Internet of Things RT:

Management information

base

Virtualization NT:

Virtual factories Virtual prototyping

> Virtual manufacturing USE: RT: Product development

Virtual groups UF:

Virtual teams Rapid prototyping

BT: Collaboration

Virtual machine monitors

UF: Hypervisors

VMMs

BT: Computers and

information processing

RT: Platform

virtualization

Virtual machines

USE: Virtual machining

Virtual machining

Virtual machines UF:

BT: Machining

Virtual manufacturing

Software defined RT:

networking

Virtual prototyping

Virtual reality

Virtual private networks **V/PN**

UF: BT:

Computer networks RT: Data security

Internet

Local area networks

Wide area networks

NT: Extranets

BT: Design methodology

Prototypes

Research and

development Virtual machining

Virtual manufacturing

Virtual reality

Virtual reality

UF: Mixed reality

BT: Computer graphics

Graphics

RT: Cyberspace

Solid modeling

Virtual enterprises

Virtual machining Virtual manufacturing

Virtual prototyping Virtualization

NT: Augmented reality

Augmented virtuality

Avatars

Extended reality Virtual artifact



Virtual environments

Virtual environments

X reality

Vision defects

UF: Amblyopia

Color blindness

Visual systems

Myopia

Virtual teams

Virtualization

USE: Virtual groups

Vision sensors

Visual analytics

representation

Visual BASIC

BT: RT:

BT:

RT:

Visual communication

BT:

RT:

BT:

BT: Sensors

RT: Image processing

networking

Virtual reality

Software defined

Vision systems (nonbiological)

USE: Machine vision

Visualization

Computer languages

Software tools System software

Software engineering

Communication systems

Image communication

Image resolution

Videophone systems

Information

Viruses (computer)

BT:

RT:

USE: Computer viruses

Visual

USE: Visualization

Viruses (medical)

BT: Organisms

NT: Influenza

Viruses (microorganisms)

USE:

USE: Microorganisms

Visa gold

Credit cards

Viscera

BT: Body regions

Viscosity

BT: Fluids

Measurement

Resistance

RT: Navier-Stokes

equations

Rheology

Visual databases

UF: Moving object

Visible light communication databases

BT: Data communication

Optical fiber

communication

vision

USF:

RT: Light emitting diodes

Light fidelity

TFFF mission and

Lighting

Visual effects

BT:

BT: Image generation

Databases

RT: Animation

Computer graphics

Vision Visual odometry

BT: Computer vision

Robots

Vision (biological) Visual perception

USE: Visual systems BT: Visual systems

Vision Based Robot Control Visual prostheses

USE: Visual servoing USE: Visual prosthesis



Visual prosthesis

UF: Electronic visual Vivaldi antennas

prosthesis

UF: Vivaldi-antennas Visual prostheses BT: Broadband antennas

VLIW

BT: Prosthetics

Blindness Vivaldi-antennas RT:

> Vivaldi antennas USF:

> > Very long instruction

Visual servoing

UF: Vision Based Robot

Control

BT: Motion control word

> Robot vision systems Very-long-instruction-

UF:

word

Visual systems BT: Central Processing

> UF: Vision (biological) Unit

> BT: Sense organs RT: Head VLSI

> > Machine vision USE: Very large scale

Saliency detection integration

NT: Vision defects Visual perception VMMs

Virtual machine USE:

Visual isation monitors

USE: Visualization Vocabulary

Visualization Information retrieval BT: UF:

Visual RT: Ranking (statistics) Visualisation

Computer graphics Vocational training BT: Graphics UF:

Animation RT: National vocational

Design tools qualification

Educational technology BT: Training

Image forensics RT: Industrial training

NT: Curve fitting Multiskilling

Surface reconstruction

Visual analytics

Mathematics

BT: Communication

Viterbi algorithm equipment

> BT: Algorithms Telephone equipment RT: Dynamic programming RT: Speech codecs

Information theory Speech coding

Vocoders

Voice activity detection Multiaccess

communication UF: Speech activity

detection Probability

> Speaker recognition Speech detection

Stochastic processes

Turbo codes BT: Speech processing RT: Speech coding

Vitrification Speech recognition

BT: Chemical technology Speech synthesis RT: Radioactive waste

Voice mail disposal



BT: Message systems Automatic voltage RT:

RT: Electronic mail control

Office automation Capacitance-voltage characteristics

Voice over Internet protocol Phase frequency

USE: Internet telephony detector

Voltage control Voice over IP Voltage measurement

USE: Internet telephony NT: Breakdown voltage Dynamic voltage

Voice print scaling

USE: Spectrogram Threshold voltage Voltage fluctuations

Voice response systems USE: Speech synthesis Voltage breakdown

Dielectric breakdown USE:

Voice tract Voltage control USE: Larynx

UF: Voltage mode control

Voice-over-Internet protocol Voltage regulation Internet telephony Voltage-mode control USE:

Electric variables BT:

Voicegram control RT: Electric current USE: Spectrogram

control

Voiceprint Limiting USE: Motor drives

Spectrogram On load tap changers

Phase frequency USE: Internet telephony detector

Power factor

Volatile organic compounds correction BT: Organic compounds Reactive power control

Regulators

Volcanic activity Three-phase electric BT: Volcanoes power

Voltage

Volcanic ash Voltage multipliers

Volcanoes Automatic voltage BT: NT:

RT: Ash control

Volcano Voltage controlled oscillators

> USE: Volcanoes USE: Voltage-controlled

oscillators

Volcanoes UF: Volcano. **Voltage fluctuations**

Geoscience BT: BT: Voltage

NT: Planetary volcanoes RT: Power systems

Volcanic activity Volcanic ash Voltage measurement

Electric variables BT:

Voltage measurement

BT: Electric variables RT: Automatic voltage

control



VOIP

Potentiometers Pulse width modulation converters

Voltage

Voltage transformers

Voltmeters

NT: Low voltage

Medium voltage

Voltage-source convertors

USE: Voltage-source

converters

Voltmeters

Voltage mode control

USE: Voltage control BT: Meters

> RT: Voltage measurement

Voltage multipliers

BT: Circuits

RT: AC-DC power converters

Charge pumps

Particle accelerators

Rectifiers Transformers Voltage control

Voltage control

Capacitors NT:

Diodes

Volume estimation

USE: Volume measurement

Volume measurement

Volume estimation UF: BT: Mechanical variables

measurement

RT: Size measurement

Volume relaxation

Mechanical factors BT:

Volunteer computing

USE: Computer applications

AND

Distributed processing

Voltage transformers

USE:

Voltage regulation

USE:

UF: Potential transformers

Power quality

Instrument BT:

transformers

Voltage sags

RT: Voltage measurement Vortices, optical

BT:

Optical vortices USF:

Government

Voting

Voltage-controlled oscillators NT: Electronic voting

> UF: VC0

Voltage controlled VPN

oscillators

converters

convertors

BT:

RT:

USE: Virtual private

networks Oscillators

Voltage-mode control

USE: Voltage control USE:

Graphics processing

Voltage-source converters

Modular multi-level UF:

VSC

VPU

units

USE: Voltage-source

converters

Voltage-source

VTR

USE: Video recording

BT: Converters Power conversion

AC-DC power converters

W3C

HVDC transmission UF: World Wide Web

Power electronics Consortium



BT: Standards USE: Alarm systems

organizations

Warranties

Product warranties **W3C Standards** UF: BT: Standards publications

Product warranty Product liability

Wafer bonding

BT: Bonding processes

Semiconductor device

manufacture

Wafer level packaging

USE: Wafer scale

integration

Wafer scale integration

UF: Wafer level packaging

Wafer-level packaging

BT: Circuits

Integrated circuits

Large scale

integration

Very large scale

integration

Wafer-level packaging

USE: Wafer scale

integration

USE: Legged locomotion

USE: Wide area measurements

WAN

WAMS

Walking

USE: Wide area networks

WANs

USE:

Wide area networks

WAP

USE: Wireless access points AND

Wireless application

protocol

Warehousing BT: Material storage

> RT: Production facilities

Waste heat Stacking

Storage automation

Washing machines

BT:

BT: Electric machines

> Electrical products Home appliances

Home automation

Waste compaction

USE: Waste reduction

Waste disposal

BT: Waste management

RT: Effluents

Pollution

Radioactive waste Sanitary engineering

Slag

NT: Incineration

Radioactive waste

disposal

Waste electrical and electronic

equipment

USF: Electronic waste

Waste handling

BT: Waste management

RT: Radioactive waste

disposal

equipment

equipment

equipment

Waste reduction

NT: Sewage treatment

Sludge treatment

Waste handling

Wastewater treatment

Waste handling equipment

RT:

RT:

BT: Waste handling

Materials handling

Remote handling

BT: Energy conversion

Boilers

Cogeneration

Energy conservation



Warning systems

Industrial waste Sanitary engineering Thermal pollution Sludge treatment

Wastewater treatment

Waste incineration Water

USE: Incineration Water pollution Water pumps

Waste management

Wastewater

BT: Environmental Wastewater treatment

management UF: Dissolved air

RT: Biodegradation flotation

Effluents BT: Waste handling Production management RT: Rubber products

Radioactive waste Sanitary engineering Sludge treatment Slag Waste management

Waste materials Wastewater

Wastewater treatment Water conservation
Waste disposal Water pollution

NT: Waste disposal Water pollowaste handling NT: Ozonation

Waste recovery

Waste reduction Watches

BT: Clocks

Waste materials RT: Consumer products

RT: Fuels Water

Radioactive pollution UF: H2O
Sanitary engineering BT: Liquids
Waste management RT: Hydrodynamics

Waste management RI: Hydrodynamics
Waste recovery Hydrologic

Waste recovery nyurologic
Water pollution measurements

NT: Effluents Hydrology

Electronic waste Lakes
Industrial waste Oceans
Radioactive waste Reservoirs

Slurries Rivers
Wastewater Steam engines

Waste recovery Water heating

BT: Waste management Water pollution
RT: Waste materials Water resources
Waste reduction Water splitting
Water storage

Waste reduction Wetlands

UF: Waste compaction
BT: Waste management Water conservation

RT: Design for disassembly UF: Water recycling

Waste handling BT: Environmental

Waste recovery management

NT: Compaction RT: Wastewater treatment

Water resources
Water storage
aterials
NT:
Desalination

BT: Waste materials NT: Desalination RT: Industrial waste

Water heating RT: Chemical reactors

> Heating systems BT: Hydrogen

RT: Water Photochemistry

Water Water jet cutting

Water storage UF: Abrasive water jet

cutting BT: Material storage BT: Cutting tools

RT: Crops Dams Lakes

BT: Oceanic engineering Land use planning

and marine technology Water

Pollution Water conservation

RT: Effluents NT: Reservoirs

Industrial pollution Lakes Water trees

0ils USE: Trees - insulation

Rivers Sanitary engineering Watermark

Sewage treatment USE: Watermarking

Thermal pollution Watermarking Waste materials

Wastewater UF: Audio watermarking

Digital watermarking Wastewater treatment Image watermarking Water

Water resources Watermark NT: Marine pollution BT: Security

RT: **Embossing** Water pumps Internet of Things

BT: Pumps RT:

Automotive components Watt hour meters

Cooling USE: Watthour meters Hydraulic equipment

Irrigation Watt-hour meters

Photovoltaic systems USF: Watthour meters

Wastewater

Watthour meters Water recycling UF:

Watt hour meters USE: Water conservation Watt-hour meters

BT: Meters

Water resources RT: Energy measurement Environmental BT:

management Wattmeters

Reservoirs

RT: Lakes BT: Meters

> Remote sensing RT: Power measurement

Rivers Water WAVE

Water conservation USF: Wireless Access in

Water pollution Vehicular Environments

NT: Desalination

> Wave diffraction USE: Diffraction

Water splitting

BT: Chemical processes Wave equations



Water pollution

USE: Propagation

Wave functions

BT: Waves

RT: Conformal mapping

Elementary particle

exchange interactions

Functional analysis

NT: Wavelet analysis

Wavelet domain

Wave power

BT: Energy resources

Ocean waves

RT: Renewable energy

sources

Wave propagation

USE: Propagation

Wave scattering

USE: Scattering

Waveform analysis

USE: Signal analysis

Waveform generators

USE: Signal generators

Waveguide components

BT: Electromagnetic

waveguides

Circulators RT:

Conformal mapping

Helical antennas

Waveguide theory

NT: Optical waveguides

Power combiners

Power dividers

Waveguide discontinuities

UF: Irises

Waveguide obstacles

BT: Transmission line

discontinuities

Electromagnetic RT:

waveguides

Loaded waveguides

Waveguide theory

NT: Reflection coefficient

Waveguide transitions

UF:

Waveguide junctions

Junctions BT: multiplexed

Waveguide lasers

BT: Electromagnetic

waveguides

RT: Lasers

NT: Substrate integrated

waveguides

Waveguide obstacles

USE: Waveguide

discontinuities

Waveguide theory

UF: Guided electromagnetic

wave propagation

BT: Electromagnetic

waveguides

Antennas RT:

Conformal mapping

Mathematics

Mode matching methods Waveguide components

Waveguide

discontinuities

Waveguide transitions

Waveguide transitions

BT: Waveguide

discontinuities

Waveguide theory RT:

Wavelength assignment

BT: Optical fiber networks

Wavelength conversion

BT: Optical fibers

RT: Wavelength converters

Wavelength converters

UF: Wavelength convertors

BT: Converters

RT: Wavelength conversion

Wavelength convertors

USE: Wavelength converters

Wavelength division multiplexed

Wavelength division

multiplexing

Wavelength division multiplexing

WDM

Wavelength division



Wavelength-division Discrete wavelet

multiplexing

BT: Multiplexing RT: Bragg gratings

Multicast

communication Waves

> WDM networks NT:

Wavelength measurement

BT: Measurement

RT: Acoustic measurements

Electromagnetic

measurements

Frequency measurement

Hyperspectral sensors

Optical variables

measurement

Wavelength routing

BT: Routing

Wavelength-division multiplexing

Wavelength division USF:

multiplexing

Wavelet analysis

BT: Wave functions RT: Wavelet transforms

NT: Multiresolution

analysis

Wavelet coefficients

BT: Wavelet transforms

Wavelet domain

BT: Wave functions

Wavelet neural networks

Neural networks USE:

Wavelet packets

BT: Wavelet transforms

Wavelet transforms

BT: Transforms

RT: Harmonic analysis

Signal analysis

Signal processing

Signal representation

Wavelet analysis

NT: Biorthogonal

modulation

transforms

Continuous wavelet

transforms Wavelet coefficients

Wavelet packets

BT: Physics

> RT: Acoustic propagation

> > Acoustic scattering

Electromagnetic

Electromagnetic

radiation

Electromagnetic

scattering

propagation

Time-domain analysis NT: Atmospheric waves

Berry phase Doppler effect Electrodynamics Magnetostatic waves

Matter waves Plasma waves Propagation Reflectivity Seismic waves

Shock waves Solitons

Surface acoustic waves

Wave functions

WDM

USE: Wavelength division

multiplexing

WDM networks

Wavelength division BT:

multiplexing

Weapons

UF: Bomb

Munitions

Ordinance

BT: Military equipment Defense industry RT:

Flectronic

countermeasures

Terrorism

Guns NT:

Missiles

Nuclear weapons

Projectiles

Wearable computers



UF: Wearable Health Textile industry

Monitoring System

Wearable computing Wearable electronics

BT: Computers

Pervasive computing

Smart textiles RT:

Soft electronics

NT: Smart glasses

Wearable computing Web browsers

> USE: Wearable computers

Wearable electronics Web cams

> USE: Wearable computers

Wearable Health Monitoring System

USF: Wearable computers

Wearable robots

UF: Hardsuit

Powered armor

Powered exoskeleton

Robots BT:

RT: Assistive technology

Biomechanics

Human-robot

interaction

Medical robotics

Military equipment

Mobile robots

Orthotics

Prosthetics Service robots

Wearable sensors

BT: Sensors

Weather

USE: Meteorology

Weather forecasting

UF: Weather prediction

BT: Meteorology

NT:

Wind forecasting

Weather prediction

USE: Weather forecasting

Weaving BT: Textile technology

> RT: Cotton

Fabrics

Textile fibers

Textiles

BT: Internet

Web and internet services UF: Internet services

BT: Web services

Web 2.0

USE: **Browsers**

USE: Webcams

Web design

RT:

UF: Web site design

BT: Web sites

Authoring systems

Content management Software design User interfaces

Web page design NT:

Web pages

Web filters

USE: Information filters

Web mining

Web pages

Web search

BT: Data mining

Web ontology language

USE: OWL

Web page design

BT: Web design

BT: Web design

Web real-time communications

USE: WebRTC

Web robot USF:

Bot (Internet)

Search methods BT:

NT: Crawlers

Web servers

Servers Web services



Web services

Web services

BT: Internet

> Middleware UF: Web cams Asynchronous BT: Cameras

communication

RT:

Cloud computing

Service computing

Webcams

NT: Mashups

Message service

Service-oriented

architecture

Simple object access

protocol

WS-BPEL Web TV

Web and internet

services

Web servers

WebRTC

Web services business process execution

Lanuage

USE: WS-BPEL

Web site design

USE: Web design

Web sites

BT: Computer applications

Information retrieval

RT: Computer networks

Content management

Extranets

Internet

Portals

Social network

services

Wikipedia

Facebook

MySpace

Uniform resource

locators

Web design

YouTube

Web television

NT:

USE: Web TV

Web TV

UF: Web television

BT: Broadcasting

TV

Webcams

Video recording

RT: Web services

Webinars

BT: Seminars

WebRTC

UF: Web real-time

communications

BT: Application

programming interfaces

Real-time systems

Web services

WEEE

USE: Electronic waste

Weibull distribution

BT: Statistical

distributions

Failure analysis RT:

> Probability Reliability

engineering

Statistics

Weibull fading channels

Fading channels BT:

Weight control

BT:

Mechanical variables

control

Weight measurement

BT:

Mechanical variables

measurement

Welding

BT: Fabrication

> Joining processes Bonding processes

RT:

Brazing **Fasteners** Manufacturing

Materials processing

NT: Spot welding

BT: Geophysics



Well logging

Petroleum industry

RT: Oil drilling White noise

Seismology BT: Noise

RT: AWGN channels

Music

BT: Etching Random number

generation

Wetlands NT: AWGN

BT: Ecosystems

Wet etching

Geoscience White spaces

RT: Hydrology BT: Radio spectrum

Lakes management Rivers

Water Whitelists

Whales BT: Information filters RT: Access control

BT: Marine animals RT: Access control Blacklisting

Countermeasures

Wheelchairs (computer)

BT: Assistive technology Electronic mail

Wheels Whole body imaging

BT: Mechanical products BT: Biomedical image

RT: Automobile manufacture processing

Automotive components
Automotive engineering Whole-body PET

Axles BT: Positron emission

Flanges tomography

Machine components

Manufacturing wi-fi

Production USE: Wireless fidelity

Steering systems
Structural plates Wi-Max

Tires USE: WiMAX

Whispering gallery modes Wide area measurement systems

UF: Whispering-gallery USE: Wide area measurements

modes

BT: Optics Wide area measurements

RT: Microcavities UF: WAMS

Wide area measurement

Whispering-gallery modes systems

USE: Whispering gallery Wide-area measurement

modes systems

Wide-area measurements

White blood cells BT: Measurement

BT: Blood

Wide area networks
White matter UF: WA

matter UF: WAN
BT: Central nervous system WANs

RT: Action potentials BT: Communication systems

Axons Computer networks
Brain RT: Electronic learning

Learning systems Frame relay



IEEE 802.3 Standard

Internetworking

LAN interconnection

Multiprocessor

interconnection

Open systems

Protocols

Token networks

Virtual private

networks

Wide band gap semiconductors BT: Semiconductor

materials

Gallium alloys RT:

Silicon compounds

Wide-area measurement systems

Wide area measurements USE:

Wide-area measurements

USE: Wide area measurements

Wideband BT: Bandwidth

Communication systems

RT: Narrowband

Wideband amplifiers

Broadband amplifiers USF:

Wideband antennas

USE:

Broadband antennas

Wiener filters

BT: Noise reduction

wifi

WiGig

Wireless fidelity USE:

Wiggler magnets

Undulators USE:

IEEE 802.11 Standard USE:

Wikipedia

UF: Wikis

BT: Information services

RT: Collaboration

Encyclopedias

Internet Web sites Wikis

USE: Wikipedia

Wild fires

USE:

Fires

Wildfires

USE: Fires

Wildlife

BT: **Animals**

WiMax

USE: WiMAX

Wimax

USE: WiMAX

WiMAX

UF:

Wi-Max WiMax

> Wimax Worldwide

Interoperability for Microwave Access

BT: Wireless communication

RT: IEEE 802.16 Standard

Winches

Wind

BT: Materials handling

equipment

RT: Cables

Lifting equipment

BT: Meteorology

RT: Sea surface

Wind energy

Wind power generation

Wind forecasting NT:

Wind speed

Wind energy

UF: Wind-energy

BT: Energy resources

Turbines RT:

Wind

Wind forecasting

Wind power generation

Wind turbines

Wind energy generation

BT: Power generation RT: Wind forecasting

Wind turbines



NT: Wind energy

integration Wind-energy

USE: Wind energy

Wind energy integration

RT:

BT:

Wind farm

Wind farms

UF: Wind power grid Windings

Transformer windings integration UF:

Electromagnetic fields BT: Power systems BT:

RT: AC machines Wind energy generation

Coils

Electric machines Magnetic circuits

USE: Wind farms Power transformers Rotating machines

Transformers

Wind farm NT: Machine windings UF:

BT: Energy resources Windows

Wind forecasting BT: Building materials

> Manufactured products Weather forecasting

Wind RT: Glass products RT: Wind energy

Vents

Wind energy generation Wind turbines Windscreen wipers

Automotive components USE:

Windscreens

Wind power USE: Wind power generation

Power grids

USE: Automotive components

Wind power generation

UF: Windshield wipers Wind power

BT: Power generation USF: Automotive components

RT: Turbogenerators

> Wind Windshields

Wind energy USE: Automotive components

Wind power grid integration Windup

> USE: Wind energy BT: Feedback control

integration

Wine industry

Wind speed Industry applications BT:

NT: Wineries BT: Wind

Wind tunnels Wineries

> BT: Aerospace testing BT: Wine industry

> > Test facilities

Aerodynamics RT: Wire

> Aerospace simulation BT: Materials

RT: Communication cables

Wind turbines Conductors BT:

Turbines Wiring Doubly fed induction

Wire drawing generators

Wind energy BT: Wires

> Wind energy generation RT: Manufacturing Wind forecasting Production



RT:

Wireless Access in Vehicular

Environments

UF: WAVE

BT: Wireless networks

RT: IEEE 802.11p Standard

Intelligent vehicles

communication

architecture

communication

Wireless access networks

USE: Wireless networks

Wireless access points

UF: WAP

BT: Computer networks

Hardware

Mobile computing Wireless communication

RT: IEEE 802.11 Standard

Routing protocols Wireless LAN

Wireless fidelity

Wireless ad hoc network

USE: Mobile ad hoc networks

Wireless application protocol

UF: WAP

BT: Protocols

Wireless communication

Wireless cellular systems

BT: Wireless networks

Wireless charging

USE: Inductive charging

Wireless communication

UF: Wireless systems

BT: Communication systems

RT: Bluetooth

Dynamic spectrum

access

IEEE 802.11 Standard

IEEE 802.11p Standard

IEEE 802.22 Standard

Inductive charging

Light fidelity
Location awareness

Long Term Evolution

Machine-to-machine

communications

Mobile applications

Paging systems

Regional area networks

Wireless LAN

Wireless fidelity Cognitive radio

Cooperative

Dadicated short name

Dedicated short range

GSM

Open wireless

Point-to-multipoint

communications

NT:

Roaming

Smart devices Spatial diversity

WRAN WiMAX

Wireless access points

Wireless application

protocol

Wireless networks

Wireless energy transmission

USE: Wireless power

transfer

Wireless fidelity

UF: wi-fi wifi

BT: Wireless IAN

RT: IEEE 802.11 Standard

Light fidelity

Radio frequency

Wireless access points Wireless communication

Wireless handheld devices

USE: Handheld computers

Wireless LAN

UF: Radio LAN

WLAN

Wireless Metropolitan

Area Networks

Wireless local area

networks

BT: Local area networks
RT: Ad hoc networks

Bluetooth

Butler matrices

IEEE 802.11 Standard

IEEE 802.11e Standard IEEE 802.11g Standard IEEE 802.11n Standard



IEEE 802.15 Standard
LAN interconnection
Personal area networks
Radio communication
Time-varying channels
Wireless access points
Wireless communication
Wireless sensor

networks

NT: Light fidelity Wireless fidelity

Wireless local area networks
USE: Wireless LAN

Wireless mesh networks

BT: Communication systems RT: Wireless sensor

networks

Wireless Metropolitan Area Networks

USE: Wireless LAN

Wireless networks

UF: Wireless access

networks

BT: Wireless communication

RT: Acoustic communication

(telecommunication)

IEEE 802.11p Standard
IEEE 802.22 Standard
Nanocommunication

(telecommunication)

WRAN

Wireless power

transmission

NT: AODV

Self-organizing

networks

Wireless Access in

Vehicular Environments

nments Wires
Wireless cellular

systems

Wireless personal area networks

UF: WPAN

BT: Personal area networks

Wireless power transfer

UF: Wireless energy

transmission

BT: Wireless power

transmission

Wireless power transmission

BT: Power transmission

RT: Conductors

Wireless networks

NT: Wireless power

transfer

Wireless regional area networks

USE: WRAN

Wireless security

USE: Communication system

security

Wireless sensor networks

UF: Underwater sensor

networks

BT: Communication systems

Vehicular and wireless

technologies

RT: Ad hoc networks

Cyber-physical systems
Distributed vision

networks

Edge computing
Internet of Things
Machine-to-machine

communications

Microsensors

Nanocommunication

(telecommunication)

NT:

Sensors Wireless LAN

Wireless mesh networks Body sensor networks

Event detection

Wireless systems

USE: Wireless communication

BT: Structural shapes

RT: Nanowires

Springs

NT: Wire drawing

Wiring

BT: Electric variables RT: Building services

Cables Conductors

Layout Metallizatio

Metallization
Printed circuits



Wire Working conditions

> USE: Employee welfare

> > Conferences

Environmental noise

WLAN

Wolfram

USE: Wireless LAN Working environment noise

BT: Acoustic noise USE: Tungsten RT: Ergonomics

Hazards

UF:

Wood alcohol

Occupational health USE: Methanol Occupational safety

Wood industry Workplace

> BT: **Industries** USE: **Employment**

RT: Forestry

Pulp and paper Workshops USE:

industry Pulp manufacturing

Workstation clusters

Wood naphtha USE: Cluster computing

USE: Methanol Workstations

Wood poles BT: Microcomputers Poles and towers USF: RT:

Cluster computing Computer displays Wood spirits Computer graphics

Peer-to-peer computing USE: Methanol

Wool World Wide Web

> BT: Agricultural products UF: WWW

Textiles BT: Computer applications Clothing RT: RT: Cyberspace

Fabrics NT: Bot (Internet)

Natural fibers Mashups Textile fibers

Yarn World Wide Web Consortium USE: W3C

Word cLoud

USE: Tag clouds Worldwide Interoperability for

Microwave Access

Word processing USE: WiMAX

USE: Text processing

Worm gears Workability USE: Gears

Mechanical factors BT:

Worms

Workflow management software USE: Grippers UF: Workflow management

system Worms (computer)

BT: Office automation USE: Computer worms

Wounds Workflow management system

USE: Workflow management BT: Injuries software

Woven fabric composites

USE: Fabrics WS-BPEL

> UF: Web services business

WPAN process execution lanuage

> USE: Wireless personal area BT: Computer languages

> > Web services

RT: Business process re-WRAN

engineering

UF: Wireless regional area Information processing

networks

networks

BT: Regional area networks WWW World Wide Web USE:

Wireless communication

RT: IEEE 802.22 Standard

Wireless networks WWW robot

Wrapping

Wrist

X reality BT: Packaging

RT: Packaging machines UF: Cross reality

XR

USE:

BT: Augmented reality BT: Arms

Virtual reality

Bot (Internet)

X-ray applications Writing

> Business writing BT: X-rays Engineering writing RT: Collimators Report writing Phantoms

X-ray detection Technical reports Technical writing NT: X-ray imaging X-ray lasers

BT: Professional

communication

UF:

X-ray detection RT: Manuals

> Proposals BT: X-rays

NT: Abstracts RT: Diagnostic radiography

> Bibliographies Diffraction Biographies Electromagnetic Dictionaries radiation

Documentation

Grammar Radiography

X-ray applications Readability metrics X-ray detectors Resumes Reviews X-ray imaging

Thesauri

Handwriting

X-ray detectors

Written character recognition BT: Ionizing radiation

USE: Handwriting sensors

Crystallography recognition RT:

Electromagnetic

Phantoms

radiation Written characters

USE: Handwriting Gamma-ray detectors

> Radiation detectors X-ray detection X-ray imaging

X-rays

recognition X-ray diffraction



recognition

Written-character recognition

USE:

BT: Electromagnetic XML

diffraction UF: Automatic Test Markup

Language

X-ray imaging Extensible Markup

BT: X-ray applications Language

RT: Gamma-ray detectors BT: Markup languages

Phantoms
Radiography XR

X-ray detection USE: X reality

X-ray detectors

NT: Plasma x-ray sources XRD

USE: X-ray scattering

X-ray lasers

RT:

BT: Lasers XSS

X-ray applications USE: Cross-site scripting

Plasma x-ray sources X-rays Y-Ba-Cu-O

USE: Yttrium barium copper

X-ray lithography oxide

BT: Lithography *Yachts*

X-ray scattering USE: Boats

UF: XRD

BT: X-rays **Yagi-Uda antennas**

X-ray tomography BT: Antennas

BT: X-rays Yarn

BT: Textile fibers

X-rays RT: Wool

BT: Medical services
RT: Collimators YBa2Cu3O7

Electromagnetic USE: Yttrium barium copper

radiation oxide

Synchrotron radiation

Undulators YBCO

X-ray detectors USE: Yttrium barium copper

X-ray lasers oxide

NT: X-ray applications

X-ray detection Yield estimate

X-ray scattering USE: Yield estimation X-ray tomography

Yield estimation

UF: Yield estimate
BT: Computer graphics BT: Estimation

Three-dimensional RT: Circuit analysis

displays Crops

RT: ISO Standards Microprocessor chips

Xenon Young modulus

BT: Gases USE: Young's modulus

Xerography Young's modulus

USE: Electrophotography UF: Young modulus

BT: Solids



X3D

RT: Inverters

YouTube Switching converters

BT: Social network

services Zero-current switching

Video sharing USE: Zero current switching Web sites

Zeros

Zero-voltage switching

Ytterbium USE: Zero voltage switching

BT: Chemical elements

Yttrium USE: Poles and zeros

BT: Chemical elements

Metals **ZigBee**NT: Yttrium compounds BT: Radio communi

NT: Yttrium compounds BT: Radio communication RT: Automation

Yttrium barium copper oxide Biomedical equipment

UF: Y-Ba-Cu-O Bluetooth

YBCO IEEE 802.15 Standard
YBa2Cu3O7 Personal area networks

BT: High-temperature Personal communication

superconductors networks
Yttrium compounds networks
Smoke detectors

RT: Barium compounds

Yttrium compounds Zinc
UF: Zn

BT: Yttrium BT: Metals

RT: Alloying NT: Zinc compounds NT: Yttrium barium copper

oxide Zinc compounds

BT: Zinc

ZCS NT: Zinc oxide

USE: Zero current switching

Zero correlation zone UF: ZnO

BT: Codes BT: Zinc compounds

Multiaccess NT: Indium gallium zinc

ZINDO

Zinc oxide

communication oxide

Seguential analysis

Zero current switchingUSE: Computational modeling

UF: ZCS

Zero-current switching Zip fasteners

BT: Switching circuits USE: Fasteners RT: Inverters

Switching converters Zirconium

BT: Chemical elements

Zero knowledge proof
BT: Cryptography Zn

Zero voltage switching

Protocols USE: Zinc

UF: ZVS USE: Zinc oxide

Zero-voltage switching

BT: Switching circuits **Zoology**

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Page 593

Zn0

BT: Biology Animals NT:

ZVS

USE: Zero voltage switching