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1998 IEEE Approved Indexing Keyword List  
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Note: \* Keywords preceded by an asterisk (\*) should not be used.  
Instead, use one of the choices indicated.

- Ablation
- Absolute stability
- Absorbing media
- Abstracts
- AC circuit breakers
- AC generator excitation
- AC generators
- AC machines
- \*AC measurements+ ==> Instead use:
  - Electric variables measurement
- AC motor drives
- AC motor protection
- AC motors
- \*Accelerated testing+ ==> Instead use:
  - Life estimation
- Acceleration
- Acceleration control
- Acceleration measurement
- \*Accelerator beams+ ==> Instead use
  - Particle beams
- Accelerator cavities
- Accelerator control systems
- \*Accelerator magnet power supplies+ ==> Instead use
  - Accelerator power supplies
- Accelerator magnets
- Accelerator measurement systems
- Accelerator power supplies
- Accelerator RF systems
- Accelerator safety
- Accelerators
- Access control
- Access protocols
- Accidents
- Acoustic applications
- Acoustic arrays
- Acoustic beam focusing
- Acoustic beam steering
- Acoustic beams
- Acoustic bonding
- \*Acoustic communication (underwater)+ ==> Instead use
  - Underwater acoustic communication
- Acoustic convolvers
- Acoustic correlators
- Acoustic couplers
- Acoustic delay lines
- Acoustic detectors
- Acoustic device fabrication

SN Use for both commercial and noncommercial processes

- Acoustic device thermal factors
- Acoustic devices
- Acoustic diffraction
- Acoustic distance measurement
- Acoustic emission
- Acoustic fields
- Acoustic filters
- Acoustic frequency conversion
- \*Acoustic generators+ ==> Instead use
  - Acoustic radiators
- Acoustic holography
- Acoustic imaging
- Acoustic impedance
- Acoustic interferometry
- Acoustic materials
- Acoustic materials-processing applications
- Acoustic measurements
- Acoustic microscopy
- Acoustic motors
- Acoustic noise
- Acoustic noise measurement
- Acoustic oscillators
- Acoustic parametric amplifiers
- Acoustic parametric devices
- Acoustic position measurement
- Acoustic propagation
- \*Acoustic propagation in nonlinear media+ ==> Instead use
  - Nonlinear acoustics
- Acoustic pulse compression
- Acoustic pulses
- Acoustic radiation effects
- Acoustic radiators
- Acoustic reflection
- Acoustic refraction
- Acoustic resonator filters
- Acoustic resonators
- Acoustic scattering
- Acoustic signal analysis
- Acoustic signal detection
- Acoustic signal processing
- \*Acoustic sources+ ==> Instead use
  - Acoustic radiators
- Acoustic spectroscopy
- \*Acoustic surface waves+ ==> Instead use
  - Surface acoustic waves
- \*Acoustic telemetry (underwater)+ ==> Instead use
  - Underwater acoustic telemetry
- Acoustic testing
- Acoustic tomography
- Acoustic tracking
- \*Acoustic transducer arrays+ ==> Instead use
  - Acoustic arrays
- Acoustic transducers
- Acoustic velocity

Acoustic velocity measurement

SN Use for velocity measurement by acoustic means. For acoustic wave velocity, use "Acoustic propagation"

Acoustic waveguides

Acoustics

Acoustoelectric correlators

Acoustoelectric delay lines

Acoustoelectric devices

Acoustoelectric effects

Acoustoelectric transducers

\*Acoustomagnetic effects+ ==> Instead use

Magnetoacoustic effects

Acoustooptic convolution

Acoustooptic correlators

Acoustooptic couplers

Acoustooptic deflectors

Acoustooptic devices

Acoustooptic diffraction

Acoustooptic effects

Acoustooptic filters

Acoustooptic measurements

Acoustooptic modulation

\*Acoustooptic scanning+ ==> Instead use

Acoustooptic deflectors

Acoustooptic signal processing

Acoustooptic switches

Acoustooptic transducers

Activation analysis

Active antennas

Active arrays

Active circuits

Active filters

Active vision

\*Actively loaded antennas+ ==> Instead use

Active antennas

Actuators

Acupuncture

AC-AC power conversion

AC-DC power conversion

Ada

Adaptive arrays

Adaptive coding

Adaptive control

Adaptive decoding

Adaptive equalizers

Adaptive estimation

Adaptive filters

Adaptive Kalman filtering

Adaptive modulation

Adaptive observers

Adaptive optics

Adaptive radar

Adaptive resonance theory

Adaptive signal detection

Adaptive signal processing

Adaptive systems  
Adders  
Addition  
\*Adhesives+ ==> Instead use  
    Bonding  
\*Adjacent channel interference+ ==> Instead use  
    Interchannel interference  
Admittance  
Admittance matrix  
Admittance measurement  
\*Advanced TV+ ==> Instead use  
    HDTV  
Aerodynamics  
Aerosols  
Aerospace biophysics  
Aerospace control  
\*Aerospace ground equipment+ ==> Instead use  
    Ground support  
\*Aerospace ground services+ ==> Instead use  
    Ground support  
Aerospace industry  
Aerospace simulation  
Aerospace test facilities  
    "Space vehicle testing" was used  
Aerospace testing  
    "Space vehicle testing" was used  
\*AFC+ ==> Instead use  
    Frequency control  
Aging  
\*Aging of persons+ ==> Instead use  
    Geriatrics  
Agriculture  
\*Aids for the handicapped+ ==> Instead use  
    Handicapped aids  
\*Air blast circuit breakers+ ==> Instead use  
    Gas blast circuit breakers  
Air break switches  
\*Air bubbles+ ==> Instead use  
    Bubbles  
\*Air circuit breakers+ ==> Instead use  
    Gas circuit breakers  
Air conditioning  
Air gaps  
Air insulation  
Air pollution  
Air traffic control  
Air transportation  
Airborne radar  
Aircraft  
Aircraft antennas  
Aircraft communication  
Aircraft computers  
Aircraft control  
Aircraft control human factors  
Aircraft crew training

Aircraft detection and tracking  
Aircraft display human factors  
Aircraft displays  
\*Aircraft electrical systems+ ==> Instead use  
    Aircraft power systems  
Aircraft electronics  
\*Aircraft engines+ ==> Instead use  
    Aircraft propulsion  
Aircraft expert systems  
Aircraft instrumentation  
Aircraft landing guidance  
Aircraft lightning effects  
Aircraft maintenance  
Aircraft navigation  
Aircraft power systems  
Aircraft propulsion  
Aircraft reliability  
Aircraft testing  
\*Aircraft tracking+ ==> Instead use  
    Aircraft detection and tracking  
Alarm systems  
Algebra  
\*Algebraic manipulation+ ==> Instead use  
    Symbol manipulation  
Algebraic Riccati equations  
Algebraic-geometric codes  
Algorithms  
All pass circuits  
\*Allocation+ ==> Instead use  
    Resource management  
Alloys  
\*Alnico+ ==> Instead use  
    Permanent magnets  
\*Aloha+ ==> Instead use  
    Access protocols  
Alpha particles  
Alpha-particle detectors  
Alpha-particle radiation effects  
Alpha-particle spectroscopy  
Alpha-particle spectroscopy detectors  
Alternators  
Altimetry  
Aluminum  
Aluminum alloys  
Aluminum compounds  
Aluminum conductors  
\*Aluminum industry+ ==> Instead use  
    Metals industry  
Aluminum integrated circuit conductors  
Aluminum power conductors  
\*AM+ ==> Instead use  
    Amplitude modulation  
AM noise  
Ammeters  
Amorphous magnetic films

\*Amorphous magnetic layered films  
was used  
Amorphous magnetic materials  
Amorphous magnetic wires  
Amorphous materials  
\*Amorphous semiconductors  
was used  
Amplifier distortion  
Amplifier noise  
Amplifiers  
\*Amplitude and phase shift keying+ ==> Instead use  
Quadrature amplitude modulation  
Amplitude estimation  
Amplitude modulation  
Amplitude shift keying  
AM-PM conversion  
Analog circuits  
Analog computers  
Analog integrated circuits  
Analog memories  
Analog multipliers  
Analog processing circuits  
Analog system fault diagnosis  
Analog system fault tolerance  
Analog system testing  
Analog systems  
\*Analogical reasoning+ ==> Instead use  
Case based reasoning  
Analog-digital conversion  
Anechoic chambers (acoustic)  
Anechoic chambers (electromagnetic)  
Anemometers  
Anesthesiology  
Angiocardiology  
Angle modulation  
Angular velocity  
Animals  
Animation  
Anisotropic media  
Annealing  
Anodes  
ANSI standards  
\*Antarctic region+ ==> Instead use  
Arctic regions  
Antenna accessories  
Antenna array feeds  
Antenna array mutual coupling  
Antenna arrays  
\*Antenna components+ ==> Instead use  
Antenna accessories  
Antenna feeds  
Antenna measurements  
Antenna mechanical factors  
Antenna proximity factors  
Antenna radiation patterns

\*Antenna terrain factors+ ==> Instead use  
    Antenna proximity factors  
Antenna theory  
Antenna tolerance analysis  
Antenna transient analysis  
Antennas  
Antialiasing  
\*Antiferroelectric materials+ ==> Instead use  
    Dielectric materials  
Antiferromagnetic materials  
Aperture antennas  
Apertures  
\*Appliances+ ==> Instead use  
    Home appliances  
Application specific integrated circuits  
Approximation methods  
Aquaculture  
\*Ar processes+ ==> Instead use  
    Autoregressive processes  
Arbiters  
Arc discharges  
Arc heating  
\*Arc lamps+ ==> Instead use  
    Lighting  
\*Arc welding+ ==> Instead use  
    Welding  
Architectural acoustics  
Architecture  
\*Architecture (computer)+ ==> Instead use  
    Computer architecture  
Arctic regions  
Area measurement  
Argon  
\*ARIMA processes+ ==> Instead use  
    Autoregressive integrated moving average processes  
Arithmetic  
Arithmetic codes  
\*ARMA processes+ ==> Instead use  
    Autoregressive moving average processes  
Arms control  
\*Arms (robotic)+ ==> Instead use  
    Manipulators  
\*ARQ+ ==> Instead use  
    Automatic repeat request  
\*Array processing+ ==> Instead use  
    Parallel processing  
Array signal processing  
Arrays  
Arresters  
Art  
ART neural networks  
Artificial biological organs  
Artificial intelligence  
Artificial limbs  
\*ASK+ ==> Instead use

Amplitude shift keying  
\*Askarel insulation+ ==> Instead use  
  Polychlorinated biphenyls  
\*Assemblers (program)+ ==> Instead use  
  Program assemblers  
Assembly  
  SN Use when the focus is on the process rather than the overall system or  
  setup  
\*Assembly methods+ ==> Instead use  
  Assembly  
\*Assembly planning+ ==> Instead use  
  Assembly  
Assembly systems  
Associative memories  
Associative processing  
Astronomical satellites  
Astronomy  
Asymptotic stability  
Asynchronous logic circuit fault diagnosis  
Asynchronous logic circuit fault tolerance  
Asynchronous logic circuit testing  
Asynchronous logic circuits  
Asynchronous rotating machines  
Asynchronous transfer mode  
\*ATE+ ==> Instead use  
  Automatic test equipment  
\*ATM+ ==> Instead use  
  Asynchronous transfer mode  
\*Atmosphere+ ==> Instead use  
  Planetary atmospheres  
Atmospheric measurements  
Atomic beams  
Atomic clocks  
Atomic force microscopy  
\*Atomic frequency standards+ ==> Instead use  
  Atomic clocks  
\*Atomic lasers+ ==> Instead use  
  Gas lasers  
Atomic measurements  
Atomic physics  
Attenuation  
Attenuation measurement  
Attenuators  
Attitude control  
\*Attitude determination+ ==> Instead use  
  Position measurement  
\*ATV+ ==> Instead use  
  HDTV  
\*Audible noise+ ==> Instead use  
  Acoustic noise  
Audio amplifiers  
Audio coding  
Audio oscillators  
Audio recording  
Audio systems

\*Audio-visual instructional aids+ ==> Instead use  
Educational technology

\*Auditory evoked potentials+ ==> Instead use  
Bioelectric potentials

Auditory system

Aurora

Authoring languages

Authoring systems

\*Autocorrelation+ ==> Instead use  
Correlation

Automata

Automated highways

\*Automatic frequency control+ ==> Instead use  
Frequency control

\*Automatic gain control+ ==> Instead use  
Gain control

Automatic optical inspection

Automatic programming

Automatic repeat request

Automatic test equipment

Automatic test languages

Automatic test software

Automatic testing

\*Automatic vehicle monitoring+ ==> Instead use  
Road vehicle location monitoring

Automation

\*Automobiles+ ==> Instead use  
Road vehicles

\*Autonomous vehicles+ ==> Instead use  
Mobile robots

Autoregressive integrated moving average processes

Autoregressive moving average processes

Autoregressive processes

Autotransformers

Availability

Avalanche breakdown

Avalanche diodes

Avalanche photodiodes

\*Avionics+ ==> Instead use  
Aircraft electronics

Awards

Backfire antennas

Backpropagation

\*Backscattering+ ==> Instead use  
Scattering

Backward wave oscillators

Backward wave tubes

\*Bacteria+ ==> Instead use  
Microorganisms

Balloons

Baluns

Banach spaces

Bandlimited circuits

Bandlimited communication

Bandlimited signals

Bandlimited stochastic processes  
Bandpass filters  
\*Bandpass limiting+ ==> Instead use  
    Limiting  
Bandstop filters  
Bandwidth compression  
Bang-bang control  
\*Banking+ ==> Instead use  
    Financial data processing  
Bar codes  
BARITT diodes  
Barium  
Barium alloys  
Barium compounds  
Barkhausen effect  
Batteries  
Battery chargers  
Battery storage plants  
Bayes procedures  
\*BCD+ ==> Instead use  
    Binary coded decimals  
BCH codes  
\*Beam focusing+ ==> Instead use  
    Focusing  
\*Beam shaping+ ==> Instead use  
    Shaped beam antennas  
Beam splitting  
Beam steering  
Beam waveguides  
\*Beamforming+ ==> Instead use  
    Array signal processing  
Beams  
Beam-lead devices  
\*Beam-trapping+ ==> Instead use  
    Self-focusing  
\*Bearing estimation+ ==> Instead use  
    Direction of arrival estimation  
Bearings (mechanical)  
Behavioral science  
Belief maintenance  
\*Belief revision+ ==> Instead use  
    Belief maintenance  
Beryllium  
Beryllium alloys  
Beryllium compounds  
\*Bessel differential equation+ ==> Instead use  
    Bessel functions  
Bessel filters  
Bessel functions  
\*Bessel transforms+ ==> Instead use  
    Hankel transforms  
Beta rays  
Betatrons  
Beta-ray detectors  
Beta-ray effects

Beta-ray spectroscopy  
Beta-ray spectroscopy detectors  
Bibliographies  
BiCMOS analog integrated circuits  
BiCMOS digital integrated circuits  
BiCMOS integrated circuits  
BiCMOS memory integrated circuits  
Biconical antennas  
Bifurcation  
Bilinear systems  
Bilinear transformations  
BiMOS integrated circuits  
\*Binary arithmetic+ ==> Instead use  
    Digital arithmetic  
Binary coded decimals  
Binary sequences  
\*Binary signals+ ==> Instead use  
    Signals  
Binomial distributions  
\*Bioacoustics+ ==> Instead use  
    Biomedical acoustics  
Biochemistry  
\*Biocontrol+ ==> Instead use  
    Biological control systems  
\*Biocybernetics+ ==> Instead use  
    Cybernetics  
Bioelectric phenomena  
Bioelectric potentials  
\*Biofeedback+ ==> Instead use  
    Biological control systems  
Biographies  
Biological cells  
Biological control systems  
Biological effects of acoustic radiation  
Biological effects of electromagnetic radiation  
\*Biological effects of gamma rays+ ==> Instead use  
    Biological effects of nuclear radiation  
Biological effects of nuclear radiation  
Biological effects of optical radiation  
Biological effects of radiation  
Biological effects of X-rays  
Biological gases  
Biological liquids  
Biological materials  
\*Biological membranes+ ==> Instead use  
    Biomembranes  
Biological motor systems  
Biological organs  
\*Biological radiation effects+ ==> Instead use  
    Biological effects of radiation  
Biological system modeling  
Biological systems  
Biological thermal factors  
Biological tissues  
Biology

Bioluminescence  
Biomagnetics  
Biomechanics  
Biomedical acoustic imaging  
Biomedical acoustics  
Biomedical applications of acoustic radiation  
Biomedical applications of electromagnetic radiation  
\*Biomedical applications of gamma rays+ ==> Instead use  
    Biomedical applications of nuclear radiation  
Biomedical applications of nuclear radiation  
Biomedical applications of optical radiation  
Biomedical applications of radiation  
Biomedical applications of X-rays  
Biomedical communication  
Biomedical computing  
Biomedical electrodes  
Biomedical electromagnetic imaging  
Biomedical engineering  
Biomedical engineering education  
Biomedical equipment  
Biomedical equipment safety  
\*Biomedical gamma-ray imaging+ ==> Instead use  
    Biomedical nuclear imaging  
Biomedical image processing  
Biomedical imaging  
Biomedical impedance imaging  
Biomedical infrared imaging  
\*Biomedical instruments+ ==> Instead use  
    Biomedical measurements  
Biomedical laboratories  
Biomedical magnetic resonance imaging  
Biomedical materials  
Biomedical measurements  
Biomedical microscopy  
Biomedical monitoring  
Biomedical nuclear imaging  
Biomedical optical imaging  
Biomedical power supplies  
Biomedical recording  
Biomedical signal analysis  
Biomedical signal detection  
Biomedical signal processing  
Biomedical telemetry  
Biomedical transducers  
\*Biomedical ultrasonics+ ==> Instead use  
    Biomedical acoustics  
Biomedical X-ray imaging  
Biomembranes  
\*Biomolecular electronics+ ==> Instead use  
    Molecular electronics  
Biophysics  
\*Biosensors+ ==> Instead use  
    Biomedical transducers  
\*Biotelemetry+ ==> Instead use  
    Biomedical telemetry

\*Biped locomotion+ ==> Instead use  
    Legged locomotion  
Bipolar analog integrated circuits  
Bipolar digital integrated circuits  
Bipolar integrated circuits  
Bipolar memory integrated circuits  
Bipolar transistor amplifiers  
Bipolar transistor circuits  
Bipolar transistor logic devices  
Bipolar transistor oscillators  
Bipolar transistor switches  
Bipolar transistors  
\*Bipolar-CMOS integrated circuits+ ==> Instead use  
    BiCMOS integrated circuits  
Biquadratic filters  
Biquadratic functions  
\*Birds+ ==> Instead use  
    Animals  
Birefringence  
Bismuth  
Bismuth alloys  
Bismuth compounds  
\*BIST+ ==> Instead use  
    Self-testing  
\*Bistability (optical)+ ==> Instead use  
    Optical bistability  
Bistable circuits  
\*Bistatic scattering+ ==> Instead use  
    Multistatic scattering  
Bit mapped graphics  
\*Bit synchronization+ ==> Instead use  
    Synchronization  
Blackboard architecture  
\*Bladder+ ==> Instead use  
    Urinary system  
Bloch lines  
Block codes  
Blood  
Blood flow  
Blood flow measurement  
Blood oxygenators  
Blood pressure  
Blood pressure measurement  
Blood pumps  
Blood vessels  
Bode diagrams  
Boilers  
Bolometer mounts  
Bolometers  
Boltzmann equation  
Boltzmann machines  
Bonding  
Bones  
Book reviews  
Boolean algebra

Boolean functions  
Booster accelerators  
Booster injectors  
Boron  
Boron alloys  
Boron compounds  
Boundary element methods  
Boundary integral equations  
Boundary scan testing  
Boundary value problems  
Bragg scattering  
Brain  
Brain modeling  
Braking  
\*Breadth first search+ ==> Instead use  
    Tree searching  
\*Breakdown+ ==> Instead use  
    Electric breakdown  
Bremsstrahlung  
Bridge circuits  
Brillouin scattering  
Broadband amplifiers  
Broadband communication  
\*Broadband ISDN+ ==> Instead use  
    B-ISDN  
Broadcast channels  
Broadcasting  
Bromine  
Bromine compounds  
Brushes  
Brushless machines  
Brushless rotating machines  
Bubble chambers  
\*Bubble domains+ ==> Instead use  
    Magnetic bubble domains  
Bubbles  
\*Bucket brigade devices+ ==> Instead use  
    Charge transfer devices  
\*Buckminsterfullerene+ ==> Instead use  
    Fullerenes  
Buffer circuits  
Buffer memories  
Buffers  
\*Building acoustics+ ==> Instead use  
    Architectural acoustics  
\*Building automation+ ==> Instead use  
    Building management systems  
Building management systems  
Buildings  
Built-in testing  
Bulk acoustic wave devices  
\*Bulk memories+ ==> Instead use  
    Mass memories  
\*Bulk power systems+ ==> Instead use  
    Interconnected power systems

\*Bunched particle beams+ ==> Instead use  
    Particle beam bunching  
Bundle conductors  
Buried antennas  
Buried object detection  
Burn-in programs  
Burst correction codes  
Burst noise  
Burst switching  
Bus admittance matrix  
Bus impedance matrix  
Bus transfer  
Busbars  
\*Bushings+ ==> Instead use  
    Insulators  
Business  
Business communication  
Business data processing  
Business economics  
Business planning  
\*Business writing+ ==> Instead use  
    Writing  
Butterworth filters  
\*B-ISDN  
    networks" was used  
C language  
Cable insulation  
Cable shielding  
Cable TV  
Cable TV interference  
Cable TV repeaters  
Cable TV transmission lines  
Cables  
\*Cables (mechanical)+ ==> Instead use  
    Mechanical cables  
Cache memories  
\*CAD+ ==> Instead use  
    Design automation  
CAD/CAM  
Cadmium  
Cadmium alloys  
Cadmium compounds  
\*CAE+ ==> Instead use  
    Computer aided engineering  
Calcium  
Calcium alloys  
Calcium compounds  
Calculators  
Calculus  
Calibration  
Calorimetry  
\*CAM+ ==> Instead use  
    Manufacturing automation  
CAMAC  
\*Camcorders+ ==> Instead use

Video cameras  
Cameras  
Cancer  
Capacitance  
Capacitance measurement  
Capacitance transducers  
Capacitive energy storage  
Capacitor compensated distribution lines  
Capacitor compensated transmission lines  
Capacitor motors  
Capacitor switching  
Capacitors  
\*Capillaries+ ==> Instead use  
    Blood vessels  
Carbon  
Carbon compounds  
Carbon dioxide lasers  
Carbon monoxide lasers  
Cardiac pacemakers  
Cardiography  
Cardiovascular system  
\*Careers+ ==> Instead use  
    Engineering profession  
\*Carrier processes+ ==> Instead use  
    Charge carrier processes  
Carrier sense multiaccess  
Cascade circuits  
Cascade control  
Cascade systems  
\*CASE+ ==> Instead use  
    Computer aided software engineering  
Case based reasoning  
Cassegrain antennas+ ==> Instead use  
    Multireflector antennas  
Cathodes  
Cathode-ray oscilloscopes+ ==> Instead use  
    Oscilloscopes  
Cathode-ray tubes  
Cathodoluminescence  
Causality  
Cavities  
Cavity perturbation methods  
Cavity resonator filters  
Cavity resonators  
\*CCD+ ==> Instead use  
    Charge coupled devices  
CCIR  
CCITT  
CD recording  
\*CDMA+ ==> Instead use  
    Code division multiaccess  
CD-ROMs  
\*Cell biology+ ==> Instead use  
    Biological cells  
Cellular automata

\*Cellular land mobile radio+ ==> Instead use  
    Land mobile radio cellular systems  
Cellular logic  
Cellular logic arrays  
Cellular neural networks  
\*CELP+ ==> Instead use  
    Linear predictive coding  
Cement industry  
Centralized control  
Cepstral analysis  
Ceramic capacitors  
Ceramic insulation  
Ceramic insulators  
Ceramics  
Ceramics industry  
Cerebellar model arithmetic computers  
\*Cerebellar model articulation controllers+ ==> Instead use  
    Cerebellar model arithmetic computers  
Cerenkov detectors  
\*Cerenkov lasers+ ==> Instead use  
    Free electron lasers  
Cerenkov radiation  
Cerium  
Cerium alloys  
Cerium compounds  
\*Cermets+ ==> Instead use  
    Ceramics  
Certification  
Cesium  
Cesium alloys  
Cesium compounds  
\*Chalcogenide glasses+ ==> Instead use  
    Amorphous semiconductors  
Channel bank filters  
\*Channel capacity+ ==> Instead use  
    Information rates  
Channel coding  
\*Channel waveguides+ ==> Instead use  
    Optical strip waveguides  
Chaos  
Character generation  
Character recognition  
Charge carrier density  
Charge carrier lifetime  
Charge carrier mobility  
Charge carrier processes  
Charge carrier waves  
Charge coupled devices  
Charge coupled image sensors  
Charge injection  
Charge injection devices  
Charge injection image sensors  
Charge measurement  
\*Charge priming devices+ ==> Instead use  
    Charge transfer devices

Charge transfer  
Charge transfer devices  
Charge transfer image sensors  
Chebyshev approximation  
Chebyshev filters  
Chebyshev functions  
Chemical analysis  
Chemical industry  
Chemical lasers  
\*Chemical technology+ ==> Instead use  
    Chemical industry  
Chemical transducers  
\*Chemical vapor deposition+ ==> Instead use  
    CVD  
Chemistry  
Chest imaging  
Children  
Chinese and Japanese characters  
Chiral media  
Chirrowaveguides  
Chirp modulation  
Chirp radar  
Chlorine  
Chlorine compounds  
\*Chokes+ ==> Instead use  
    Inductors  
Choppers  
Chromatography  
Chromium  
Chromium alloys  
Chromium compounds  
\*Chromosomes+ ==> Instead use  
    Biological cells  
Chua circuit  
\*CID+ ==> Instead use  
    Charge injection devices  
\*CIM+ ==> Instead use  
    Computer integrated manufacturing  
Circuit analysis  
\*Circuit boards+ ==> Instead use  
    Printed circuits  
Circuit breaker testing  
Circuit breakers  
\*Circuit complexity+ ==> Instead use  
    Complexity theory  
\*Circuit design+ ==> Instead use  
    Circuit synthesis  
\*Circuit design (CAD)+ ==> Instead use  
    Design automation  
\*Circuit design (integrated circuit)+ ==> Instead use  
    Integrated circuit design  
\*Circuit design (logic)+ ==> Instead use  
    Logic design  
Circuit functions  
Circuit modeling

Circuit noise  
Circuit optimization  
Circuit reliability  
\*Circuit sensitivity analysis+ ==> Instead use  
    Sensitivity  
Circuit simulation  
Circuit stability  
Circuit switching (communication systems)  
Circuit synthesis  
Circuit testing  
\*Circuit tolerance analysis+ ==> Instead use  
    Tolerance analysis  
Circuit topology  
Circuit transient analysis  
Circuit tuning  
Circuits  
Circular arrays  
Circular waveguides  
Circulators  
\*Circulatory system+ ==> Instead use  
    Cardiovascular system  
Client-server systems  
\*Climate+ ==> Instead use  
    Meteorology  
\*Clinical laboratories+ ==> Instead use  
    Biomedical laboratories  
\*Clock synchronization+ ==> Instead use  
    Synchronization  
Clocks  
Closed loop systems  
Clouds  
Clustering methods  
Clutter  
\*CMAC+ ==> Instead use  
    Cerebellar model arithmetic computers  
\*CML+ ==> Instead use  
    Current mode logic  
CMOS analog integrated circuits  
CMOS digital integrated circuits  
CMOS integrated circuits  
CMOS memory integrated circuits  
CMOSFET amplifiers  
CMOSFET circuits  
CMOSFET logic devices  
CMOSFET oscillators  
CMOSFET power amplifiers  
CMOSFET switches  
CMOSFETs  
Coal  
Coatings  
Coaxial aperture antennas  
Coaxial components  
Coaxial connectors  
Coaxial couplers  
Coaxial resonators

Coaxial transmission line discontinuities  
Coaxial transmission lines  
Coaxial waveguides  
Cobalt  
Cobalt alloys  
Cobalt compounds  
Cochannel interference  
Code converters  
Code division multiaccess  
Code division multiplexing  
\*Code excited linear prediction+ ==> Instead use  
    Linear predictive coding  
Codecs  
\*Coder-decoders+ ==> Instead use  
    Codecs  
Codes  
\*Coding+ ==> Instead use  
    Encoding  
Coercive force  
Cogeneration  
Cognitive science  
Coilgun power supplies  
Coilguns  
Coils  
Coincidence circuits  
Cold cathode tubes  
Collaborative work  
Colliding beam devices  
Collision processes  
Color  
\*Color center lasers+ ==> Instead use  
    Solid lasers  
Color graphics  
Color measurement  
\*Color TV+ ==> Instead use  
    TV  
Comb filters  
Combinational logic circuit fault diagnosis  
Combinational logic circuit fault tolerance  
Combinational logic circuit testing  
Combinational logic circuits  
Combinatorial mathematics  
\*COMFET+ ==> Instead use  
    Insulated gate bipolar transistors  
Command and control systems  
Command languages  
\*Commerce+ ==> Instead use  
    Business  
\*Commercial power systems+ ==> Instead use  
    Industrial power systems  
Communicating sequential processes  
Communication  
    SN Use only when the nature or content of the communication is considered  
Communication aids  
\*Communication cables+ ==> Instead use

Wire communication cables  
\*Communication cables (optical)+ ==> Instead use  
Optical fiber cables  
Communication channels  
\*Communication complexity+ ==> Instead use  
Complexity theory  
Communication engineering education  
Communication equipment  
Communication equipment testing  
Communication industry  
\*Communication networks+ ==> Instead use  
Communication systems  
\*Communication protocols+ ==> Instead use  
Protocols  
\*Communication satellites+ ==> Instead use  
Satellite communication  
Communication standards  
Communication switching  
Communication system control  
Communication system economics  
Communication system fault diagnosis  
Communication system fault tolerance  
Communication system interfaces  
Communication system maintenance  
Communication system nonlinearities  
Communication system operations and management  
Communication system performance  
Communication system planning  
Communication system power supplies  
\*Communication system privacy+ ==> Instead use  
Communication system security  
Communication system reliability  
Communication system routing  
Communication system security  
Communication system signaling  
Communication system software  
Communication system traffic  
Communication systems  
Communication terminals  
Commutated circuits  
Commutatorless DC motors  
\*Compact disk read only memories+ ==> Instead use  
CD-ROMs  
\*Compact disk systems+ ==> Instead use  
CD recording  
Companding  
Comparators  
Compensation  
Compilers (silicon)  
\*Compilers (program)+ ==> Instead use  
Program compilers  
Complementary circuits  
\*Complementary MOS+ ==> Instead use  
CMOSFETs  
Complexity theory

Compliance control  
Composite insulation  
\*Composite media+ ==> Instead use  
    Nonhomogeneous media  
\*Composite systems+ ==> Instead use  
    Interconnected systems  
Compressed air energy storage  
Compressors  
Compton scattering  
Compulsators  
Computation theory  
Computation time  
\*Computational complexity+ ==> Instead use  
    Complexity theory  
Computational geometry  
Computer aided analysis  
\*Computer aided design+ ==> Instead use  
    Design automation  
Computer aided engineering  
Computer aided instruction  
\*Computer aided manufacturing+ ==> Instead use  
    Manufacturing automation  
Computer aided software engineering  
\*Computer animation+ ==> Instead use  
    Animation  
Computer applications  
Computer architecture  
\*Computer arithmetic+ ==> Instead use  
    Digital arithmetic  
\*Computer automated measurement and control+ ==> Instead use  
    CAMAC  
\*Computer buses+ ==> Instead use  
    Data buses  
\*Computer control+ ==> Instead use  
    Digital control  
Computer crime  
Computer displays  
\*Computer documentation+ ==> Instead use  
    Documentation  
Computer economics  
\*Computer engineering education+ ==> Instead use  
    Computer science education  
Computer facilities  
Computer fault diagnosis  
Computer fault tolerance  
Computer graphics  
\*Computer graphics languages+ ==> Instead use  
    Visual languages  
Computer graphics software  
Computer industry  
Computer input-output  
Computer instructions  
Computer integrated manufacturing  
Computer interface human factors  
Computer interfaces

SN For human interfaces, see "User interfaces"

Computer languages

Computer maintenance

\*Computer music+ ==> Instead use  
Music

Computer network management

Computer network performance

Computer network reliability

Computer network security

Computer networks

\*Computer operating systems+ ==> Instead use  
Operating systems

Computer performance

Computer peripherals

\*Computer pipeline processing+ ==> Instead use  
Pipeline processing

Computer power supplies

\*Computer programming+ ==> Instead use  
Programming

\*Computer programming profession+ ==> Instead use  
Programming profession

Computer reliability

Computer science

Computer science education

Computer security

\*Computer software+ ==> Instead use  
Software

\*Computer terminals+ ==> Instead use  
Computer peripherals

Computer testing

Computer viruses

\*Computer vision+ ==> Instead use  
Machine vision

Computers

Concatenated coding

Concurrency control

Concurrent engineering

Conducting bodies

Conducting films

Conducting liquids

Conducting materials

\*Conducting strips+ ==> Instead use  
Strip conductors

Conductivity

Conductivity measurement

Conductors

Cones

\*Conferences+ ==> Instead use  
Meetings

Conformal antennas

Conformance testing

Conical antennas

Conjugate gradient methods

Connectors

Consecutive system reliability

Construction industry  
Consumer electronics  
Consumer products  
Contact mechanical factors  
    SN Use for electrical contacts only  
Contact resistance  
Contactors  
Contacts  
\*Content addressable memories+ ==> Instead use  
    Associative memories  
Continued fractions  
Continuing education  
Continuous phase modulation  
Continuous time filters  
Continuous time systems  
Contracts  
Control cables  
Control engineering  
Control engineering education  
Control equipment  
Control system human factors  
Control systems  
Controllability  
Convergence of numerical methods  
Converters  
Conveyors  
Convolution  
Convolutional codes  
Convolvers  
Cooling  
Cooperative systems  
\*Cooperative work+ ==> Instead use  
    Collaborative work  
\*Coplanar strip+ ==> Instead use  
    Coplanar transmission lines  
Coplanar transmission lines  
Coplanar waveguides  
Copper  
Copper alloys  
Copper compounds  
Coproducts  
Copyright protection  
Cordless telephone systems  
\*Cores+ ==> Instead use  
    Magnetic cores  
Corona  
Correlation  
\*Correlation detection+ ==> Instead use  
    Correlators  
Correlators  
Corrosion  
Corrosion testing  
Corrugated antennas  
Corrugated horn antennas  
Corrugated surfaces

Corrugated waveguides  
Cosine transforms  
Cosmic rays  
    radiation effects" was used  
Cost optimal control  
\*Costas arrays+ ==> Instead use  
    Permutation matrices  
Costas loops  
Costs  
\*Counters+ ==> Instead use  
    Radiation detectors  
Counting circuits  
Coupled mode analysis  
Coupled transmission lines  
Couplers  
    SN Use for physical device only  
\*Coupling+ ==> Instead use  
    Electromagnetic coupling  
Coupling circuits  
Courseware  
Covariance analysis  
Covariance factorization  
Covariance functions  
Covariance matrices  
\*CPM+ ==> Instead use  
    Continuous phase modulation  
\*CPW+ ==> Instead use  
    Coplanar waveguides  
Crack detection  
\*Crops+ ==> Instead use  
    Agriculture  
\*Cross entropy minimization+ ==> Instead use  
    Minimum entropy methods  
Cross linked insulation  
Cross linked polyethylene insulation  
Cross modulation distortion  
Crossed field devices  
Crosstalk  
\*CRT+ ==> Instead use  
    Cathode-ray tubes  
Cryogenic electronics  
Cryogenics  
Cryptography  
\*Crystal filters+ ==> Instead use  
    Piezoelectric resonator filters  
Crystal growth  
\*Crystal oscillators+ ==> Instead use  
    Piezoelectric resonator oscillators  
\*Crystal resonators+ ==> Instead use  
    Piezoelectric resonators  
Crystals  
\*CSMA+ ==> Instead use  
    Carrier sense multiaccess  
\*CSP+ ==> Instead use  
    Communicating sequential processes

\*Cumulants+ ==> Instead use  
Higher order statistics

Current

Current comparators

Current control

Current conveyors

Current density

Current distribution

Current limiters

Current measurement

\*Current measurement (water)+ ==> Instead use  
Sea measurements

Current mode logic

\*Current regulation+ ==> Instead use  
Current control

Current supplies

Current transformers

Curve fitting

\*Curved waveguides+ ==> Instead use  
Waveguide bends

\*Custom integrated circuits+ ==> Instead use  
Application specific integrated circuits

Cutting

CVD

CW lasers

CW radar

Cybernetics

Cyclic codes

Cyclic reservation multiaccess

\*Cycloconverters+ ==> Instead use  
AC-AC power conversion

Cyclotron radiation

Cyclotron resonance

Cyclotrons

Cylinders

Cylindrical antennas

Cylindrical arrays

\*Cylindrical magnetic domains+ ==> Instead use  
Magnetic bubble domains

\*Cylindrical waveguides+ ==> Instead use  
Circular waveguides

DAMA+ ==> Instead use  
Demand assigned multiaccess

Data acquisition

Data buses

Data communication

Data compression

Data conversion

Data flow analysis

Data flow computing

Data flow graphs

Data handling

Data management

Data models

Data processing

Data security  
Data structures  
Data transmission+ ==> Instead use  
    Data communication  
Database concurrency operations  
Database fault tolerance  
Database languages  
Database machines  
Database management systems  
Database query processing  
Database reliability  
Database scheduling  
Database searching  
Database systems  
DBS+ ==> Instead use  
    Satellite broadcasting  
DC amplifiers  
DC circuit breakers  
DC generators  
DC machines  
DC measurements+ ==> Instead use  
    Electric variables measurement  
DC motor drives  
DC motor protection  
DC motors  
DC power systems  
DC power transmission  
DCT+ ==> Instead use  
    Discrete cosine transforms  
DC-AC power conversion  
DC-DC power conversion  
Deadlocks (computers)+ ==> Instead use  
    Concurrency control  
Deadlocks (computers)+ ==> Instead use  
    System recovery  
Decentralized control+ ==> Instead use  
    Distributed control  
Decision feedback communication+ ==> Instead use  
    Feedback communication  
Decision feedback equalizers  
Decision support systems  
Decision-making  
Decoding  
Deconvolution  
Decorrelation  
Decoupling of systems  
Deductive databases  
Defibrillators  
Definitions+ ==> Instead use  
    Terminology  
Deformation+ ==> Instead use  
    Strain  
Delaunay triangulation+ ==> Instead use  
    Mesh generation  
Delay circuits

Delay effects  
Delay equalizers  
Delay estimation  
Delay filters  
Delay lines  
Delay lock loops  
Delay systems  
Delta modulation  
Demand assigned multiaccess  
Demodulation  
    terms (now under "Modulation") was used  
Demodulators+ ==> Instead use  
    Demodulation  
Demography  
Demultiplexing  
Density measurement  
Dentistry  
Depth first search+ ==> Instead use  
    Tree searching  
Describing functions  
Descriptor systems+ ==> Instead use  
    Singular systems  
Desert regions  
Design automation  
Design centering  
Design for testability  
Design methodology  
Desktop publishing  
Detection (demodulation)+ ==> Instead use  
    Demodulation  
Detection (signal)+ ==> Instead use  
    Signal detection  
Detectors  
Determinants  
Deterministic algorithms  
Deuterium  
Deuterium compounds  
Deuterons+ ==> Instead use  
    Ions  
Developing nations  
Dexterous manipulators  
DFT+ ==> Instead use  
    Discrete Fourier transforms  
Diacs+ ==> Instead use  
    Thyristors  
Diagnosis (fault)+ ==> Instead use  
    Fault diagnosis  
Diagnosis (medical)+ ==> Instead use  
    Medical diagnosis  
Diagnostic expert systems  
    SN See "Medical expert systems" for medical diagnosis applications  
Diagnostic reasoning  
Diakoptics+ ==> Instead use  
    Circuit topology  
Diamond

Diathermy+ ==> Instead use  
    Hyperthermia

Dichroic reflectors+ ==> Instead use  
    Frequency selective surfaces

Die attach+ ==> Instead use  
    Microassembly

Die bonding+ ==> Instead use  
    Microassembly

Dielectric antennas

Dielectric bodies

Dielectric breakdown

Dielectric devices

Dielectric films

Dielectric heating

Dielectric hysteresis

Dielectric liquids

Dielectric loaded antennas

Dielectric loaded waveguides

Dielectric losses

Dielectric materials

Dielectric measurements

Dielectric polarization

Dielectric radiation effects

Dielectric resonator filters

Dielectric resonator oscillators

Dielectric resonators

Dielectric strength+ ==> Instead use  
    Dielectric breakdown

Dielectric thermal factors

Dielectric waveguides

Diesel driven generators

Diesel engines

Difference equations

Differential amplifiers

Differential analyzers

Differential equations

Differential games

Differential geometry

Differential phase shift keying

Differential pulse code modulation

Differential Riccati equations

Differential transformers

Differentiating circuits

Differentiation (mathematics)

Diffraction

Diffusion equations

Diffusion processes

Digestive system

Digital arithmetic

Digital audio broadcasting

Digital circuits

Digital communication

Digital control

Digital filter stability+ ==> Instead use  
    Digital filter wordlength effects

Digital filter wordlength effects  
Digital filters  
Digital image processing+ ==> Instead use  
    Image processing  
Digital integrated circuits  
Digital magnetic recording  
Digital measurements  
Digital modulation  
Digital radio  
Digital recording  
Digital sequences+ ==> Instead use  
    Sequences  
Digital signal processors  
Digital signals+ ==> Instead use  
    Signals  
Digital system fault diagnosis  
Digital system fault tolerance  
Digital system testing  
Digital systems  
Digital transmission+ ==> Instead use  
    Digital communication  
Digital TV  
Digital-analog conversion  
Dining philosophers problem+ ==> Instead use  
    Concurrency control  
Diode lasers+ ==> Instead use  
    Semiconductor lasers  
Diodes  
Diplexers  
Dipole antennas  
Dipole arrays  
Direct broadcast satellites+ ==> Instead use  
    Satellite broadcasting  
Direct sequence spread spectrum communication+ ==> Instead use  
    Pseudonoise coded communication  
Direct sequence spread spectrum radar+ ==> Instead use  
    Spread spectrum radar  
Directed graphs  
Direction of arrival estimation  
Directional antennas+ ==> Instead use  
    Directive antennas  
Directional couplers  
Direction-finding+ ==> Instead use  
    Navigation  
Directive antennas  
Disarmament+ ==> Instead use  
    Arms control  
Discharges+ ==> Instead use  
    Gas discharges  
Disconnecting switches  
Discontinuities  
Discontinuous systems+ ==> Instead use  
    Jump parameter systems  
Discrete cosine transforms  
Discrete event simulation

Discrete event systems  
Discrete Fourier transforms  
Discrete Hartley transforms  
Discrete Hilbert transforms  
Discrete Radon transforms  
Discrete time filters  
Discrete time Riccati equations  
Discrete time signals+ ==> Instead use  
    Signals  
Discrete time systems  
Discrete transforms  
Diseases  
Disk drives  
Disk recording  
Disks  
Dispatching  
Dispersed storage and generation  
Dispersive channels  
Dispersive media  
Displacement control  
Displacement measurement  
Display human factors  
Displays  
Dissipative circuits+ ==> Instead use  
    Lossy circuits  
Dissipative media+ ==> Instead use  
    Absorbing media  
Dissipative systems+ ==> Instead use  
    Lossy systems  
Distance measurement  
Distance relays+ ==> Instead use  
    Protective relaying  
Distortion  
Distributed algorithms  
Distributed amplifiers  
Distributed antennas+ ==> Instead use  
    Antenna arrays  
Distributed arithmetic  
Distributed Bragg reflector lasers  
Distributed computing  
Distributed control  
Distributed database concurrency operations  
Distributed database fault tolerance  
Distributed database management systems  
Distributed database query processing  
Distributed database reliability  
Distributed database scheduling  
Distributed database searching  
Distributed database systems  
Distributed databases  
Distributed decision-making  
Distributed detection  
Distributed estimation  
Distributed feedback devices  
Distributed feedback lasers

Distributed feedback oscillators  
Distributed information systems  
Distributed memories  
Distributed memory systems  
Distributed operating systems+ ==> Instead use  
    Network operating systems  
Distributed parameter circuits  
Distributed parameter filters  
Distributed parameter systems  
Distributed tracking  
Distribution functions+ ==> Instead use  
    Probability  
Distribution of electric power+ ==> Instead use  
    Power distribution  
Dither techniques  
Diversity methods  
Diving equipment+ ==> Instead use  
    Underwater work systems  
Division  
DM+ ==> Instead use  
    Delta modulation  
DNA  
DOA estimation+ ==> Instead use  
    Direction of arrival estimation  
Document delivery  
Document handling  
Document image processing  
    were used  
Documentation  
Domains+ ==> Instead use  
    Magnetic domains  
Domestic appliances+ ==> Instead use  
    Home appliances  
Doping  
Doppler effect  
Doppler measurements  
Doppler radar  
Dosimetry  
DPCM+ ==> Instead use  
    Differential pulse code modulation  
DPSK+ ==> Instead use  
    Differential phase shift keying  
DRAM chips  
Drift chambers+ ==> Instead use  
    Ionization chambers  
Drilling+ ==> Instead use  
    Materials processing  
Driver circuits  
Driver information systems  
Drivers+ ==> Instead use  
    Driver circuits  
Drives  
Driving point functions+ ==> Instead use  
    Circuit functions  
DRO+ ==> Instead use

Dielectric resonator oscillators  
Drug delivery systems  
Drugs  
Dual codes  
Dual reflector antennas+ ==> Instead use  
    Multireflector antennas  
Duality  
Duplexers  
Dye lasers  
Dyes  
Dynamic programming  
Dynamic response  
Dynamic stability+ ==> Instead use  
    Power system dynamic stability  
Dynamics  
Dysprosium  
Dysprosium alloys  
Dysprosium compounds  
EAROM+ ==> Instead use  
    EPROM  
Earphones+ ==> Instead use  
    Headphones  
Ears+ ==> Instead use  
    Auditory system  
Earth  
Earth atmosphere+ ==> Instead use  
    Terrestrial atmosphere  
Earthquakes  
Earth-ionosphere waveguide  
ECCM+ ==> Instead use  
    Electronic countermeasures  
ECG+ ==> Instead use  
    Electrocardiography  
Echo interference  
Echo suppression  
Echocardiography  
Echoencephalography  
ECL+ ==> Instead use  
    Emitter coupled logic  
ECM+ ==> Instead use  
    Electronic countermeasures  
Ecology+ ==> Instead use  
    Environmental factors  
Economic dispatch+ ==> Instead use  
    Power generation dispatch  
Economics  
Eddy current testing  
Eddy currents  
EDTV+ ==> Instead use  
    HDTV  
Education  
Educational technology  
Educational TV  
EEG+ ==> Instead use  
    Electroencephalography

EEPROM+ ==> Instead use  
  EPROM

Effort optimal control+ ==> Instead use  
  Minimum effort control

EGG+ ==> Instead use  
  Electroglottography

EHV cables+ ==> Instead use  
  EHV transmission lines

EHV circuit breakers

EHV insulation

EHV insulators

EHV measurements

EHV substations

EHV transformers

EHV transmission

EHV transmission lines

Eigenfunctions+ ==> Instead use  
  Eigenvalues and eigenfunctions

Eigenstructure assignment

Eigenvalues and eigenfunctions

Eigenvectors+ ==> Instead use  
  Eigenvalues and eigenfunctions

Electrets

Electric automobiles+ ==> Instead use  
  Road vehicle electric propulsion

Electric breakdown

Electric control equipment

Electric discharge pumping

Electric field effects

Electric field measurement

Electric fields

Electric heating+ ==> Instead use  
  Resistance heating

Electric machines

Electric power+ ==> Instead use  
  Power systems

Electric shock

Electric utilities+ ==> Instead use  
  Power industry

Electric variables

Electric variables control

Electric variables measurement

Electrical contacts+ ==> Instead use  
  Contacts

Electrical engineering

Electrical engineering education

Electrical equipment enclosures

Electrical equipment industry

Electrical insulation+ ==> Instead use  
  Insulation

Electrically alterable read only memory+ ==> Instead use  
  EPROM

Electrically erasable programmable read only memory+ ==> Instead use  
  EPROM

Electroabsorption

Electroacoustic correlators+ ==> Instead use  
    Acoustoelectric correlators

Electroacoustic delay lines+ ==> Instead use  
    Acoustoelectric delay lines

Electroacoustic devices+ ==> Instead use  
    Acoustoelectric devices

Electroacoustic effects+ ==> Instead use  
    Acoustoelectric effects

Electroacoustic transducers+ ==> Instead use  
    Acoustoelectric transducers

Electrobiolology+ ==> Instead use  
    Bioelectric phenomena

Electrocardiography

Electrochemical analysis

Electrochemical devices

Electrochemical electrodes

Electrochemical processes

Electrochromic devices

Electrochromic displays

Electrochromic windows+ ==> Instead use  
    Electrochromic devices

Electrochromism

Electrodes

Electrodynamics

Electroencephalography

Electroexplosive devices

Electroglottography

Electrohydraulics

Electroluminescence

Electroluminescent devices

Electrolysis+ ==> Instead use  
    Electrochemical processes

Electrolytic capacitors

Electromagnet power supplies

Electromagnetic analysis

Electromagnetic atmospheric interference

Electromagnetic beams+ ==> Instead use  
    Beams

Electromagnetic capacitive interference+ ==> Instead use  
    Electromagnetic reactive interference

Electromagnetic compatibility

Electromagnetic conductive interference

Electromagnetic coupling

Electromagnetic diffraction

Electromagnetic engineering education

Electromagnetic fields

Electromagnetic forces

Electromagnetic guns+ ==> Instead use  
    Electromagnetic launching

Electromagnetic heating

Electromagnetic induction

Electromagnetic inductive interference+ ==> Instead use  
    Electromagnetic reactive interference

Electromagnetic interference

Electromagnetic launching

Electromagnetic launching power supplies  
Electromagnetic measurements  
Electromagnetic noise+ ==> Instead use  
    Electromagnetic interference  
Electromagnetic propagation  
Electromagnetic propagation in absorbing media  
Electromagnetic propagation in anisotropic media  
Electromagnetic propagation in dispersive media  
Electromagnetic propagation in magnetic media  
Electromagnetic propagation in nonhomogeneous media  
Electromagnetic propagation in nonlinear media  
Electromagnetic propagation in nonreciprocal media+ ==> Instead use  
    Nonreciprocal wave propagation  
Electromagnetic propagation in plasma media  
Electromagnetic propagation in random media  
Electromagnetic propulsion+ ==> Instead use  
    Electromagnetic launching  
Electromagnetic pulse+ ==> Instead use  
    EMP radiation effects  
Electromagnetic pulse propagation+ ==> Instead use  
    Electromagnetic transient propagation  
Electromagnetic pulse scattering+ ==> Instead use  
    Electromagnetic transient scattering  
Electromagnetic radiation  
Electromagnetic radiation effects  
Electromagnetic radiative interference  
Electromagnetic reactive interference  
Electromagnetic reflection  
Electromagnetic refraction  
Electromagnetic scattering  
Electromagnetic scattering by absorbing media  
Electromagnetic scattering by anisotropic media  
Electromagnetic scattering by dispersive media  
Electromagnetic scattering by magnetic media  
Electromagnetic scattering by nonhomogeneous media  
Electromagnetic scattering by nonlinear media  
Electromagnetic scattering by periodic structures  
Electromagnetic scattering by plasma media  
Electromagnetic scattering by random media  
Electromagnetic scattering by rough surfaces  
Electromagnetic scattering inverse problems  
Electromagnetic shielding  
Electromagnetic surface waves  
Electromagnetic tomography  
Electromagnetic transient analysis  
Electromagnetic transient propagation  
Electromagnetic transient scattering  
Electromagnets  
Electromechanical effects  
Electromigration  
Electromyography  
Electron accelerators  
Electron beam applications  
Electron beam deflection  
Electron beam focusing

Electron beam lithography  
Electron beam pumping  
Electron beam semiconductor devices  
Electron beams  
Electron carriers+ ==> Instead use  
    Charge carrier processes  
Electron cyclotron resonance+ ==> Instead use  
    Cyclotron resonance  
Electron detectors  
Electron emission  
Electron guns  
Electron injection+ ==> Instead use  
    Charge injection  
Electron lenses  
Electron linear accelerators  
Electron microscopy  
Electron multipliers  
Electron optics  
Electron radiation effects  
Electron rectifiers  
Electron rings+ ==> Instead use  
    Electron storage rings  
Electron sources  
Electron spectroscopy  
Electron spectroscopy detectors  
Electron spin resonance+ ==> Instead use  
    Magnetic resonance  
Electron storage rings  
Electron synchrotrons  
Electron tubes  
Electronic books+ ==> Instead use  
    Electronic publishing  
Electronic countermeasures  
Electronic counter-countermeasures+ ==> Instead use  
    Electronic countermeasures  
Electronic data interchange  
Electronic equipment  
Electronic equipment manufacture  
Electronic equipment testing  
Electronic journals+ ==> Instead use  
    Electronic publishing  
Electronic mail  
Electronic publishing  
Electronic switching systems  
Electronic warfare  
Electronics  
Electronics engineering education  
Electronics industry  
Electrons  
Electrooculography  
Electrooptic deflectors  
Electrooptic devices  
Electrooptic effects  
Electrooptic filters  
Electrooptic Kerr effect

Electrooptic measurements  
Electrooptic memories  
Electrooptic modulation  
Electrooptic switches  
Electrooptic transducers  
Electrophoresis  
Electrophotography  
Electrophotoluminescence+ ==> Instead use  
    Photoluminescence  
Electroprinting  
Electrostatic accelerators  
Electrostatic analysis  
Electrostatic devices  
Electrostatic discharges  
Electrostatic focusing  
Electrostatic induction  
Electrostatic interference  
Electrostatic lenses  
Electrostatic measurements  
Electrostatic precipitators  
Electrostatic processes  
Electrostriction  
Electrothermal effects  
Electrothermal launching  
Electrothermal launching power supplies  
Elementary particles  
Elevated antennas+ ==> Instead use  
    Antenna proximity factors  
Elevators  
Ellipsoids  
Ellipsometers+ ==> Instead use  
    Ellipsometry  
Ellipsometry  
Elliptic filters  
Elliptical waveguides  
EMC+ ==> Instead use  
    Electromagnetic compatibility  
Emergency power generators+ ==> Instead use  
    Standby generators  
Emergency power supplies  
Emergency services  
EMG+ ==> Instead use  
    Electromyography  
EMI+ ==> Instead use  
    Electromagnetic interference  
Emission  
Emitter coupled logic  
EMP radiation effects  
Employment  
EMS+ ==> Instead use  
    Medical services  
Enamel insulated wires  
Encapsulation  
Encephalography  
Enclosures (electrical equipment)+ ==> Instead use

Electrical equipment enclosures  
Encoding  
Endfire antennas  
Endocrine system+ ==> Instead use  
    Biochemistry  
Energy conservation  
Energy conversion  
Energy management  
Energy measurement  
Energy optimal control+ ==> Instead use  
    Minimum energy control  
Energy resources  
Energy storage  
Engineering  
Engineering drawings  
Engineering education  
Engineering management+ ==> Instead use  
    Research and development management  
Engineering profession  
Engineering societies  
Engineering writing+ ==> Instead use  
    Writing  
Engines  
Entropy  
Entropy codes  
Envelope detection  
Environmental factors  
Environmental radiation effects  
Environmental testing  
Enzymes+ ==> Instead use  
    Biochemistry  
EOG+ ==> Instead use  
    Electrooculography  
Epidemiology  
Epitaxial growth  
Epitaxial layers  
Epoxy resin insulation  
Epoxy resin insulators  
    insulators" were used  
Epoxy resins  
Epr spectroscopy+ ==> Instead use  
    Magnetic resonance spectroscopy  
EPROM  
Equalizers  
Equations  
Equatorial regions+ ==> Instead use  
    Tropical regions  
Equiripple filters  
Equivalent circuits  
Erasable programmable read only memory+ ==> Instead use  
    EPROM  
Erbium  
Erbium alloys  
Erbium compounds  
Ergonomics

Error analysis  
Error compensation  
Error control coding+ ==> Instead use  
    Error correction coding  
Error correction  
Error correction coding  
Error detection coding  
Error estimation+ ==> Instead use  
    Error analysis  
Error recovery (computers)+ ==> Instead use  
    System recovery  
Error statistics+ ==> Instead use  
    Error analysis  
ESCA+ ==> Instead use  
    Spectrochemical analysis  
ESD+ ==> Instead use  
    Electrostatic discharges  
ESR+ ==> Instead use  
    Magnetic resonance  
Estimation  
Etching  
Ethics  
Ethylene-propylene materials  
Ethylene-propylene rubber  
Europium  
Europium alloys  
Europium compounds  
Evidential reasoning+ ==> Instead use  
    CASE based reasoning  
Evoked potentials+ ==> Instead use  
    Bioelectric potentials  
Exception handling  
Excimer lasers  
Excitation of lasers+ ==> Instead use  
    Laser excitation  
Excitation of waveguides+ ==> Instead use  
    Waveguide excitation  
Excitation systems+ ==> Instead use  
    AC generator excitation  
Excitons  
Executive programs+ ==> Instead use  
    Operating systems  
Exercise  
Expert system shells  
Expert systems  
Explanation  
Explosions  
Explosive opening switches+ ==> Instead use  
    Electroexplosive devices  
Exponential distributions  
Exponential stability+ ==> Instead use  
    Asymptotic stability  
Exponentiation  
Extended definition TV+ ==> Instead use  
    HDTV

Extracted beams+ ==> Instead use  
    Particle beam extraction

Extrapolation

Extraterrestrial atmospheres+ ==> Instead use  
    Planetary atmospheres

Extraterrestrial exploration

Extraterrestrial measurements

Extraterrestrial phenomena

Extraterrestrial plasmas

Extraterrestrial radiation effects

Extraterrestrial radio sources

Extra-high-voltage circuit breakers+ ==> Instead use  
    EHV circuit breakers

Extra-high-voltage insulation+ ==> Instead use  
    EHV insulation

Extra-high-voltage insulators+ ==> Instead use  
    EHV insulators

Extra-high-voltage measurements+ ==> Instead use  
    EHV measurements

Extra-high-voltage substations+ ==> Instead use  
    EHV substations

Extra-high-voltage transformers+ ==> Instead use  
    EHV transformers

Extra-high-voltage transmission+ ==> Instead use  
    EHV transmission

Extra-high-voltage transmission lines+ ==> Instead use  
    EHV transmission lines

Extreme value distributions

Eyeglass lenses+ ==> Instead use  
    Ophthalmic lenses

Eyes+ ==> Instead use  
    Visual system

Fabrication  
    SN Use for noncommercial processes only.  
    SN For commercial manufacture, use Manufacturing.

Fabry-Perot interferometers

Fabry-Perot resonators

Face recognition

Facsimile

Factory automation+ ==> Instead use  
    Manufacturing automation

Fading channels

Failure analysis

Fan filters+ ==> Instead use  
    Multidimensional digital filters

Fans+ ==> Instead use  
    Ventilation

Faraday effect

Farming

Fast Fourier transforms+ ==> Instead use  
    Discrete Fourier transforms

Fast transforms+ ==> Instead use  
    Discrete transforms

FASTBUS

Fatigue

Fault current limiters  
Fault currents  
Fault diagnosis  
Fault location  
Fault tolerance  
Fault trees  
FDDI  
FDM+ ==> Instead use  
    Frequency division multiplexing  
FDMA+ ==> Instead use  
    Frequency division multiaccess  
FDTD methods  
Feature extraction  
Feedback  
Feedback amplifiers  
Feedback circuits  
Feedback communication  
Feedback lasers  
Feedback systems  
Feedforward amplifiers  
Feedforward neural networks  
Feedforward systems  
Feeds  
Fermat transforms+ ==> Instead use  
    Number theoretic transforms  
Ferrimagnetic films  
Ferrimagnetic materials  
Ferrite circulators  
Ferrite devices  
Ferrite films  
Ferrite filters  
Ferrite isolators  
Ferrite loaded resonators  
Ferrite loaded waveguides  
Ferrite phase shifters  
Ferrite waveguides  
Ferrites  
Ferroelectric capacitors  
    materials/devices" were used  
Ferroelectric devices  
Ferroelectric displays  
Ferroelectric films  
Ferroelectric hysteresis+ ==> Instead use  
    Dielectric hysteresis  
Ferroelectric materials  
Ferroelectric memories  
Ferroelectric semiconductors  
Ferromagnetic materials  
Ferromagnetic resonance+ ==> Instead use  
    Magnetic resonance  
Ferroresonance  
Ferroresonant circuits  
FET amplifiers  
FET analog integrated circuits  
FET circuits

FET digital integrated circuits  
FET integrated circuits  
FET logic devices  
FET memory integrated circuits  
FET oscillators  
FET switches  
FETs  
Fetuses+ ==> Instead use  
    Obstetrics  
FFT+ ==> Instead use  
    Discrete Fourier transforms  
Fiber distributed data interface+ ==> Instead use  
    FDDI  
Fiber optics+ ==> Instead use  
    Optical fibers or terms beginning "Optical fiber..."  
Field buses  
Field effect transistors+ ==> Instead use  
    FETs  
Field electron emission+ ==> Instead use  
    Electron emission  
Field ion emission+ ==> Instead use  
    Ion emission  
Field programmable gate arrays  
Fields (algebraic)  
File servers  
File systems  
Films  
Filter distortion  
Filter noise  
Filtering  
    SN Use for filtering theory.  
Filters  
Finance  
Financial data processing  
Fingerprint identification  
Fingers+ ==> Instead use  
    Dexterous manipulators  
Finite automata  
Finite difference methods  
Finite difference time domain methods+ ==> Instead use  
    FDTD methods  
Finite duration impulse response digital filters+ ==> Instead use  
    FIR digital filters  
Finite element methods  
Finite state machines  
Finite wordlength effects  
Finline  
Finline circuits  
Finline components  
Finline couplers  
Finline discontinuities  
Finline filters  
Finline resonators  
Finline transitions  
FIR digital filter stability+ ==> Instead use

Digital filter wordlength effects  
FIR digital filters  
Fire control systems  
Fires  
Firmware+ ==> Instead use  
    Microprogramming  
Fish+ ==> Instead use  
    Marine animals  
Fisheries+ ==> Instead use  
    Aquaculture  
Fission reactor accidents+ ==> Instead use  
    Fission reactor safety  
Fission reactor control and monitoring  
Fission reactor cooling and heat recovery  
Fission reactor measurements  
Fission reactor operation  
Fission reactor safety  
Fission reactors  
Fixed point arithmetic  
Flames+ ==> Instead use  
    Fires  
Flashover  
Flat panel displays  
Flaw detection  
Flexible manufacturing systems  
Flexible structures  
Flight control+ ==> Instead use  
    Aerospace control  
Flight simulation+ ==> Instead use  
    Aerospace simulation  
Flip-chip devices  
Flip-flop memories  
Flip-flops  
Floating point arithmetic  
Floppy disks  
Flow+ ==> Instead use  
    Fluid flow  
Flow control  
Flow graphs  
Flow networks+ ==> Instead use  
    Networks  
Flowcharts  
Fluid dynamics+ ==> Instead use  
    Hydrodynamics  
Fluid flow  
Fluid flow control  
Fluid flow measurement  
Fluidics  
Fluids  
Fluorescence  
Fluorescence spectroscopy  
Fluorescent lamps  
Fluorine  
Fluorine compounds  
Flush mounted antennas+ ==> Instead use

Conformal antennas  
Flux measurement (magnetic)+ ==> Instead use  
Magnetic field measurement  
Flywheels  
FM+ ==> Instead use  
Frequency modulation  
FM distortion  
FM noise  
FM radar  
FMR+ ==> Instead use  
Magnetic resonance  
Focusing  
Fokker-Planck equations  
Food industry  
Force  
Force control  
Force measurement  
Forecasting  
Forestry  
Formal languages  
Formal logic+ ==> Instead use  
Logic  
Formula manipulation+ ==> Instead use  
Symbol manipulation  
FORTRAN  
Forward error correction  
Fossil fuel power generation+ ==> Instead use  
Thermal power generation  
Fossil fuels+ ==> Instead use  
Fuels  
Fourier series  
Fourier spectroscopy  
Fourier transforms  
Fourier-Bessel transforms+ ==> Instead use  
Hankel transforms  
FPGA+ ==> Instead use  
Field programmable gate arrays  
Fractals  
Frame relay  
Frame synchronization  
Fredholm integral equations  
Free electron lasers  
Frequency  
Frequency allocation+ ==> Instead use  
Radio spectrum management  
Frequency control  
Frequency conversion  
Frequency division+ ==> Instead use  
Frequency conversion  
Frequency division multiaccess  
Frequency division multiplexing  
Frequency domain analysis  
Frequency domain synthesis  
Frequency estimation  
Frequency hop communication

Frequency hop radar+ ==> Instead use  
    Spread spectrum radar  
Frequency independent antennas+ ==> Instead use  
    Log periodic antennas  
Frequency locked loops  
Frequency measurement  
Frequency modulation  
Frequency multiplication+ ==> Instead use  
    Frequency conversion  
Frequency regulation+ ==> Instead use  
    Frequency control  
Frequency response  
Frequency selective surfaces  
Frequency shift keying  
Frequency stability  
Frequency synthesizers  
Friction  
FSK+ ==> Instead use  
    Frequency shift keying  
Fuel cells  
Fuel optimal control  
Fuel rate control+ ==> Instead use  
    Fuel optimal control  
Fuels  
Fullerene compounds  
Fullerenes  
Function generators+ ==> Instead use  
    Signal generators  
Functional analysis  
Functional languages  
Functional programming  
Functions  
Furnaces  
Fuses  
Fusion power generation  
Fusion power generation safety  
Fusion reactors  
Fuzzy control  
Fuzzy logic  
Fuzzy neural networks  
Fuzzy sets  
Fuzzy systems  
Gadolinium  
Gadolinium alloys  
Gadolinium compounds  
Gain control  
Gain measurement  
Gait assessment+ ==> Instead use  
    Legged locomotion  
Galaxies  
Galerkin method  
Gallium  
Gallium alloys  
Gallium compounds  
Galois fields

Galvanomagnetism+ ==> Instead use  
    Magnetolectric effects  
Game theory  
Games  
Gamma distributions  
Gamma rays  
Gamma-ray astronomy  
Gamma-ray astronomy detectors  
Gamma-ray detectors  
Gamma-ray effects  
Gamma-ray imaging+ ==> Instead use  
    Nuclear imaging  
Gamma-ray spectroscopy  
Gamma-ray spectroscopy detectors  
Garbage collection (computers)+ ==> Instead use  
    Memory management  
Garnet films  
Garnets  
Gas blast circuit breakers  
Gas blast interrupters  
Gas bubbles+ ==> Instead use  
    Bubbles  
Gas circuit breakers  
Gas detectors  
Gas discharge devices  
Gas discharge displays  
Gas discharges  
Gas flow+ ==> Instead use  
    Fluid flow  
Gas industry+ ==> Instead use  
    Natural gas industry  
Gas insulated substations  
Gas insulated switchgear  
Gas insulated transformers  
Gas insulation  
Gas interrupters  
Gas lasers  
Gas leak detection  
Gas turbines  
Gases  
Gateways+ ==> Instead use  
    Network servers  
Gaussian beams  
Gaussian channels  
Gaussian distributions  
Gaussian noise  
Gaussian processes  
Gauss-Seidel method  
Gears  
Geiger counters  
GEMFET+ ==> Instead use  
    Insulated gate bipolar transistors  
Generalized functions  
Generation of electric power+ ==> Instead use  
    Power generation

Generators  
Genetic algorithms  
Genetics  
Geodesy  
Geographic information systems  
Geologic measurements  
Geology  
Geomagnetism  
Geometric modeling  
Geometric programming  
Geometric reasoning+ ==> Instead use  
    Spatial reasoning  
Geometrical optics  
Geometrical theory of diffraction  
Geometry  
Geometry codes  
Geophysical inverse problems  
Geophysical measurements  
Geophysical signal processing  
Geophysical tomography  
Geophysics  
Geothermal energy  
Geothermal power generation  
Geriatrics  
Germanium  
Germanium alloys  
Germanium compounds  
Germanium radiation detectors  
Gettering  
Getters+ ==> Instead use  
    Gettering  
Giant magnetoresistance  
Glass  
    SN For semiconductor glasses, use "Amorphous semiconductors"  
Glass ceramics+ ==> Instead use  
    Ceramics  
Glass industry  
Global Positioning System  
Glossaries+ ==> Instead use  
    Terminology  
Glow discharge devices  
Glow discharges  
Golay codes  
Gold  
Gold alloys  
Gold compounds  
Goppa codes  
Government information systems  
Governmental factors  
Governors  
GPS+ ==> Instead use  
    Global Positioning System  
Graded index optics  
Gradient index optics+ ==> Instead use  
    Graded index optics

Gradient methods  
Grammars+ ==> Instead use  
    Languages  
Graph theory  
Graphical user interfaces  
Graphics  
Graphite  
Gratings  
Gravity measurement  
Gray codes  
Green functions  
Gregorian reflector antennas+ ==> Instead use  
    Multireflector antennas  
GRIN lenses+ ==> Instead use  
    Graded index optics  
GRIN optics+ ==> Instead use  
    Graded index optics  
Gripping+ ==> Instead use  
    Dexterous manipulators  
Ground support  
Ground transportation+ ==> Instead use  
    Land transportation  
Ground vehicles+ ==> Instead use  
    Land vehicles  
Ground wave propagation  
Grounding  
Grounding electrodes  
Group codes  
Group theory  
Groupware+ ==> Instead use  
    Collaborative work  
GTD+ ==> Instead use  
    Geometrical theory of diffraction  
Guaranteed cost control+ ==> Instead use  
    Cost optimal control  
Guided radio  
Guideway transportation  
Guideway transportation communication  
Guideway transportation control systems  
Guideway transportation electrical systems+ ==> Instead use  
    Guideway transportation power systems  
Guideway transportation electronics  
Guideway transportation maintenance  
Guideway transportation power systems  
Guideway transportation propulsion  
Guideway transportation reliability  
Guideway transportation testing  
Gunn device amplifiers  
Gunn device oscillators  
Gunn devices  
Guns+ ==> Instead use  
    Weapons  
Gynecology  
Gyrators  
Gyroklystrons+ ==> Instead use

Klystrons  
Gyromagnetism  
Gyroscopes  
Gyrotrons  
Gyrotropism  
Haar transforms  
Hacking+ ==> Instead use  
    Computer crime  
Hadamard matrices  
Hadamard transforms  
Hadrons  
Hafnium  
Hafnium alloys  
Hafnium compounds  
Hall effect  
Hall effect devices  
Hall mobility+ ==> Instead use  
    Hall effect  
Halogens  
Hamming codes  
Handicapped aids  
Hands (robotic)+ ==> Instead use  
    Dexterous manipulators  
Handsets+ ==> Instead use  
    Telephone sets  
Handwriting recognition  
Hankel matrices  
Hankel transforms  
Harbors+ ==> Instead use  
    Marine ports and harbors  
Hard disks  
Hard magnetic materials+ ==> Instead use  
    Permanent magnets  
Hardness measurement  
Hardware design languages  
Harmonic analysis  
Harmonic distortion  
Harmonic generation+ ==> Instead use  
    Frequency conversion  
Hartley transforms  
Hazardous areas  
HDL+ ==> Instead use  
    Hardware design languages  
HDTV  
Head  
Headphones  
Health care+ ==> Instead use  
    Medical services  
Health physics+ ==> Instead use  
    Dosimetry+ ==> Instead use  
    Radiation monitoring  
Health (occupational)+ ==> Instead use  
    Occupational health and safety  
Hearing+ ==> Instead use  
    Auditory system

Hearing aids  
Heart+ ==> Instead use  
    Cardiovascular system  
Heart valves+ ==> Instead use  
    Prosthetics  
Heart (artificial)+ ==> Instead use  
    Artificial biological organs  
Heat engines  
Heat pumps  
Heat treatment  
Heating  
Heavy ion accelerators  
Heavy ion beams  
Heavy ion sources  
Heavy ions  
Hebbian learning  
Helical antennas  
Helical waveguides  
Helices  
Helicopter antennas  
Helicopter communication  
Helicopter control  
Helicopter electrical systems+ ==> Instead use  
    Helicopter power systems  
Helicopter electronics  
Helicopter maintenance  
Helicopter power systems  
Helicopter propulsion  
Helicopter reliability  
Helicopter testing  
Helicopters  
Helium  
Helmholtz equations  
Help systems  
HEMT+ ==> Instead use  
    MODFETs  
Hereditary systems  
Hermitian matrices  
Hessian matrices  
Heterodyning  
Heterojunction bipolar transistors  
Heterojunctions  
Heterojunctions (semiconductor)+ ==> Instead use  
    Semiconductor heterojunctions  
HF amplifiers  
HF antennas  
HF radar  
HF radiation effects+ ==> Instead use  
    Electromagnetic radiation effects  
HF radio communication  
HF radio propagation  
HF receivers  
HF transformers  
HF transmitters  
Hidden Markov models

Hierarchical systems  
Higher order statistics  
Highways+ ==> Instead use  
    Road transportation  
High-definition TV+ ==> Instead use  
    HDTV  
High-electron-mobility transistors+ ==> Instead use  
    MODFETs  
High-frequency amplifiers+ ==> Instead use  
    HF amplifiers  
High-frequency antennas+ ==> Instead use  
    HF antennas  
High-frequency radar+ ==> Instead use  
    HF radar  
High-frequency radiation effects+ ==> Instead use  
    Electromagnetic radiation effects  
High-frequency radio communication+ ==> Instead use  
    HF radio communication  
High-frequency radio propagation+ ==> Instead use  
    HF radio propagation  
High-frequency receivers+ ==> Instead use  
    HF receivers  
High-frequency transmitters+ ==> Instead use  
    HF transmitters  
High-level languages  
High-level synthesis  
High-pass filters  
High-performance parallel interface+ ==> Instead use  
    Network interfaces  
High-speed electronics  
High-speed integrated circuits  
High-temperature effects+ ==> Instead use  
    Thermal factors  
High-temperature superconductors  
High-temperature techniques  
High-voltage techniques  
Hilbert spaces  
Hilbert transforms  
Hip joint replacements+ ==> Instead use  
    Prosthetics  
HIPPI+ ==> Instead use  
    Network interfaces  
History  
HMM+ ==> Instead use  
    Hidden Markov models  
Hole burning (optical)+ ==> Instead use  
    Optical hole burning  
Hole carriers+ ==> Instead use  
    Charge carrier processes  
Holmium  
Holmium alloys  
Holmium compounds  
Holographic gratings  
Holographic interferometry  
Holographic memories

Holographic optical components  
Holographic recording  
Holography  
Home appliances  
Home automation  
Home banking+ ==> Instead use  
    Home computing  
Home communication systems  
Home computers+ ==> Instead use  
    Microcomputers  
Home computing  
Home shopping+ ==> Instead use  
    Home computing  
Home working  
Homodyne detection  
Homomorphic filtering+ ==> Instead use  
    Cepstral analysis  
Homopolar generators  
Homopolar machines  
Homopolar motors  
Hopfield networks  
Hormones+ ==> Instead use  
    Biochemistry  
Horn antennas  
Horn clauses  
Hospitals+ ==> Instead use  
    Medical services  
Hot carriers  
Hot electrons+ ==> Instead use  
    Hot carriers  
Hough transforms  
Household appliances+ ==> Instead use  
    Home appliances  
Huffman codes  
Human engineering+ ==> Instead use  
    Ergonomics  
Human factors  
Humanities  
Humidity  
Humidity control  
Humidity measurement  
Humidity transducers  
Hurwitz stability+ ==> Instead use  
    Routh methods  
HVDC circuit breakers  
HVDC converters  
HVDC insulation  
HVDC insulators  
HVDC interrupters  
HVDC substations  
HVDC transmission  
HVDC transmission control  
HVDC transmission lines  
Hybrid integrated circuit bonding  
Hybrid integrated circuit fabrication

SN Use for commercial and noncommercial processes.  
Hybrid integrated circuit interconnections  
Hybrid integrated circuit packaging  
Hybrid integrated circuit reliability  
Hybrid integrated circuit thermal factors  
Hybrid integrated circuits  
Hybrid junctions  
Hydraulic equipment  
Hydraulic systems  
Hydraulic turbines  
Hydrodynamics  
Hydroelectric generators  
Hydroelectric power generation  
Hydroelectric-thermal power generation  
Hydrogen  
Hydrogen compounds  
Hydrogen economy  
Hydrogen ions+ ==> Instead use  
    Protons  
Hydrologic measurements  
Hydrology  
Hydrophones  
Hypercubes  
Hypertext systems  
Hyperthermia  
Hysteresis  
Hysteresis motor drives  
Hysteresis motor protection  
Hysteresis motors  
H-infinity control  
H-infinity optimization  
IC+ ==> Instead use  
    Integrated circuits  
ICAD+ ==> Instead use  
    Intelligent design assistants  
ICAI+ ==> Instead use  
    Intelligent tutoring systems  
Ice  
Iconic languages+ ==> Instead use  
    Visual languages  
Identification  
Identification of persons  
IDTV+ ==> Instead use  
    HDTV  
IEC  
IEEE  
IEEE professional activities  
IEEE publications  
IEEE standards  
IEEE student activities  
IF amplifiers  
IF systems  
IGBT+ ==> Instead use  
    Insulated gate bipolar transistors  
IGFET+ ==> Instead use

Insulated gate FETs  
Ignition+ ==> Instead use  
  Starting  
IIR digital filter stability+ ==> Instead use  
  Digital filter wordlength effects  
IIR digital filters  
Illumination+ ==> Instead use  
  Lighting  
Illumination control+ ==> Instead use  
  Lighting control  
ILS+ ==> Instead use  
  Aircraft landing guidance  
Image analysis  
Image boundary analysis+ ==> Instead use  
  Image edge analysis  
Image classification  
Image coding  
Image color analysis  
Image communication  
Image compression+ ==> Instead use  
  Image coding  
Image converters  
Image databases  
Image deblurring+ ==> Instead use  
  Image restoration  
Image edge analysis  
Image enhancement  
Image generation  
Image intensifiers  
Image line pattern analysis  
Image matching  
Image motion analysis  
Image object detection+ ==> Instead use  
  Object detection  
Image object recognition+ ==> Instead use  
  Object recognition  
Image orientation analysis  
Image pattern recognition+ ==> Instead use  
  Pattern recognition  
Image processing  
Image recognition  
Image reconstruction  
Image region analysis  
Image registration  
Image representations  
Image resolution  
Image restoration  
Image sampling  
Image segmentation  
Image sensors  
Image sequence analysis  
Image shape analysis  
Image size analysis  
Image storage  
Image synthesis+ ==> Instead use

Image generation  
Image texture analysis  
Image transmission+ ==> Instead use  
Image communication  
Imaging  
Immittance converters  
Immittance inverters  
Impact ionization  
IMPATT diode amplifiers  
IMPATT diode oscillators  
IMPATT diodes  
Impedance  
SN Use for electric impedance only. For acoustic property, see "Acoustic impedance"  
Impedance cardiography  
Impedance converters+ ==> Instead use  
Immittance converters  
Impedance imaging  
Impedance inverters+ ==> Instead use  
Immittance inverters  
Impedance matching  
Impedance matrix  
Impedance measurement  
Impedance tomography  
Impedance transformers+ ==> Instead use  
Impedance matching  
Impedance (acoustic)+ ==> Instead use  
Acoustic impedance  
Implantable biomedical devices  
Implantable electrodes  
Importance sampling+ ==> Instead use  
Monte Carlo methods  
Impregnated insulation  
Improved definition TV+ ==> Instead use  
HDTV  
Impulse generation+ ==> Instead use  
Pulse generation  
Impulse measurements+ ==> Instead use  
Pulse measurements  
Impulse noise  
Impulse response+ ==> Instead use  
Transient response  
Impulse testing  
Impurities  
Indexes  
Indium  
Indium alloys  
Indium compounds  
Indoor radio communication  
Inductance  
Inductance measurement  
Induction accelerators  
Induction generators  
Induction heating  
Induction machines

Induction motor drives  
Induction motor protection  
Induction motors  
Induction (electromagnetic)+ ==> Instead use  
    Electromagnetic induction  
Induction (electrostatic)+ ==> Instead use  
    Electrostatic induction  
Inductive energy storage  
Inductive transducers+ ==> Instead use  
    Magnetic transducers  
Inductor alternators  
Inductor compensated distribution lines  
Inductor compensated transmission lines  
Inductors  
Industrial control  
Industrial electronics  
Industrial plants  
Industrial power system control  
Industrial power system economics  
Industrial power system faults  
Industrial power system harmonics  
Industrial power system maintenance  
Industrial power system mechanical factors  
Industrial power system planning  
Industrial power system protection  
Industrial power system reliability  
Industrial power system testing  
Industrial power system transients  
Industrial power systems  
Industries  
Inertial confinement  
Inertial navigation  
Infants+ ==> Instead use  
    Pediatrics  
Inference mechanisms  
Infinite duration impulse response digital filters+ ==> Instead use  
    IIR digital filters  
Information rates  
Information retrieval  
Information services  
Information systems  
Information technology  
    SN Use for general aspects only  
Information theory  
Infrared communication+ ==> Instead use  
    Optical communication  
Infrared detectors  
Infrared heating  
Infrared image sensors  
Infrared imaging  
Infrared lasers+ ==> Instead use  
    Lasers  
Infrared measurements  
Infrared position measurement  
Infrared propagation+ ==> Instead use

Optical propagation  
Infrared radiation effects  
Infrared radiometry  
Infrared spectroscopy  
Infrared surveillance  
Infrared tracking  
Infrared transducers  
Inheritance  
Inhomogeneous media+ ==> Instead use  
    Nonhomogeneous media  
Injected beams+ ==> Instead use  
    Particle beam injection  
Injection lasers+ ==> Instead use  
    Semiconductor lasers  
Injection locked amplifiers  
Injection locked oscillators  
Ink jet printing  
Inners  
Innovation+ ==> Instead use  
    Technological innovation  
Input-output stability  
Insects+ ==> Instead use  
    Animals  
Inspection  
Instructional aids+ ==> Instead use  
    Educational technology  
Instrument amplifiers  
Instrument landing systems+ ==> Instead use  
    Aircraft landing guidance  
Instrument transformers  
Instrumentation+ ==> Instead use  
    Measurement  
Instrumentation buses+ ==> Instead use  
    Field buses  
Insulated gate bipolar transistors  
Insulated gate FETs  
Insulated gate field effect transistors+ ==> Instead use  
    Insulated gate FETs  
Insulated gate transistor switches  
Insulation  
Insulation life  
Insulation radiation effects+ ==> Instead use  
    Dielectric radiation effects  
Insulation testing  
Insulation thermal factors  
Insulator contamination  
Insulator testing  
Insulators  
Integer programming  
Integral equations  
Integrated circuit bonding  
Integrated circuit design  
Integrated circuit doping  
Integrated circuit economics  
Integrated circuit fabrication

SN For commercial manufacture, use "Integrated circuit manufacture"  
Integrated circuit interconnections  
Integrated circuit ion implantation  
Integrated circuit layout  
Integrated circuit manufacture  
SN For noncommercial processes, use "Integrated circuit fabrication"  
Integrated circuit measurements  
Integrated circuit mechanical factors  
Integrated circuit metallization  
Integrated circuit modeling  
Integrated circuit noise  
Integrated circuit packaging  
Integrated circuit radiation effects  
Integrated circuit reliability  
Integrated circuit testing  
Integrated circuit thermal factors  
Integrated circuits  
Integrated circuits industry+ ==> Instead use  
    Electronics industry  
Integrated control+ ==> Instead use  
    Centralized control  
Integrated injection logic  
Integrated optics  
Integrated optoelectronics  
Integrated services digital networks+ ==> Instead use  
    ISDN  
Integrated voice-data communication  
Integration (mathematics)  
Integrators  
Integrodifferential equations  
Intelligent actuators  
Intelligent agent interaction+ ==> Instead use  
    Cooperative systems  
Intelligent buildings+ ==> Instead use  
    Building management systems  
Intelligent control  
Intelligent databases+ ==> Instead use  
    Deductive databases  
Intelligent design assistants  
Intelligent materials  
Intelligent networks  
Intelligent robots  
Intelligent sensors  
Intelligent structures  
Intelligent systems  
Intelligent tutoring systems  
Intensity modulation  
Interactive computing  
Interactive systems  
Interactive TV  
Interchannel interference  
Interconnected circuits  
Interconnected power systems  
Interconnected systems  
Interconnection networks (multiprocessor)+ ==> Instead use

Multiprocessor interconnection  
Interconnections  
Interdigital transducers  
Interface phenomena  
Interference  
Interference suppression  
Interferometry  
Interleaved coding  
Interleaved memories  
Intermediate-frequency amplifiers+ ==> Instead use  
    IF amplifiers  
Intermediate-frequency systems+ ==> Instead use  
    IF systems  
Intermodulation distortion  
Internal combustion engines  
International Electrotechnical Commission+ ==> Instead use  
    IEC  
International Organization for Standardization+ ==> Instead use  
    ISO  
International Radio Consultative Committee+ ==> Instead use  
    CCIR  
International relations  
International Telecommunications Union+ ==> Instead use  
    ITU  
International trade  
Internat. Consultative Ctte. for Telephone and Telegraph+ ==> Instead use  
    CCITT  
Internet  
Internetworking  
Interpolation  
Interpreters (program)+ ==> Instead use  
    Program interpreters  
Interrupters  
Interrupts  
Intersymbol interference  
Intrusion detection+ ==> Instead use  
    Site security monitoring  
Invention+ ==> Instead use  
    Technological innovation  
Inventory control  
Inverse problems  
Inversion layers  
Inverters  
Iodine  
Iodine compounds  
Ion accelerators  
Ion beam applications  
Ion beam lithography  
Ion beams  
Ion emission  
Ion engines  
Ion implantation  
Ion lasers  
Ion linear accelerators  
Ion optics

- Ion radiation effects
- Ion sources
- Ionization
- Ionization chambers
- Ionosphere
- Ionospheric electromagnetic propagation
- Ions
- Iridium
- Iridium alloys
- Iridium compounds
- Irises+ ==> Instead use
  - Waveguide discontinuities
- Iron
- Iron alloys
- Iron compounds
- Irradiation+ ==> Instead use
  - Radiation effects
- Irreducible realizations+ ==> Instead use
  - Minimal realizations
- ISDN
- ISI+ ==> Instead use
  - Intersymbol interference
- ISO
- Isolation technology
- Isolators
- Isotope separation
- Isotopes
- Iterated codes+ ==> Instead use
  - Product codes
- Iterative logic arrays+ ==> Instead use
  - Cellular logic arrays
- Iterative methods
- ITS+ ==> Instead use
  - Intelligent tutoring systems
- ITU
- I2L+ ==> Instead use
  - Integrated injection logic
- Jacobian matrices
- Jamming
  - was used
- Japanese characters+ ==> Instead use
  - Chinese and Japanese characters
- Jet engines
- JFET amplifiers
- JFET analog integrated circuits
- JFET circuits
- JFET digital integrated circuits
- JFET integrated circuits
- JFET logic devices
- JFET memory integrated circuits
- JFET oscillators
- JFET switches
- JFETs
- Jitter
- Josephson amplifiers

Josephson arrays  
Josephson device fabrication  
    SN Use for commercial and noncommercial processes  
Josephson device measurement applications  
Josephson device measurements  
Josephson device noise  
Josephson device packaging  
Josephson device radiation effects  
Josephson device reliability  
Josephson device testing  
Josephson devices  
Josephson effect  
Josephson junctions  
Josephson logic  
Josephson memories  
Josephson mixers  
    was used  
Josephson oscillators  
Josephson radiation detectors  
Josephson switches  
Journals  
Jump parameter systems  
Jump processes  
Junction FETs+ ==> Instead use  
    JFETs  
Junction lasers+ ==> Instead use  
    Semiconductor lasers  
Junctions (heterojunction)+ ==> Instead use  
    Heterojunctions  
Junctions (hybrid)+ ==> Instead use  
    Hybrid junctions  
Junctions (semiconductor)+ ==> Instead use  
    Semiconductor junctions  
Junctions (waveguide)+ ==> Instead use  
    Waveguide junctions  
Kalman filtering  
Kaons+ ==> Instead use  
    Mesons  
Karhunen-Loeve transforms  
Kbms+ ==> Instead use  
    Deductive databases  
Kernels (operating systems)+ ==> Instead use  
    Operating system kernels  
Kerr effect (electrooptic)+ ==> Instead use  
    Electrooptic Kerr effect  
Kerr effect (magnetooptic)+ ==> Instead use  
    Magnetooptic Kerr effect  
Kerr effect (optical)+ ==> Instead use  
    Optical Kerr effect  
Keyboards  
Kidneys  
Kinematics  
Klystrons  
Knee joint replacements+ ==> Instead use  
    Prosthetics

Knowledge acquisition  
Knowledge base management systems+ ==> Instead use  
    Deductive databases  
Knowledge based systems  
Knowledge engineering  
Knowledge representation  
Kohonen networks+ ==> Instead use  
    Self-organizing feature maps  
Krypton  
Laboratories  
Ladder circuits  
Ladder estimation  
Ladder filters  
Laguerre processes  
Laguerre transforms+ ==> Instead use  
    Polynomial transforms  
Lakes  
Lambda calculus  
Lamps  
LAN+ ==> Instead use  
    Local area networks  
LAN interconnection  
Land mobile radio  
Land mobile radio base stations+ ==> Instead use  
    Land mobile radio equipment  
Land mobile radio cellular systems  
Land mobile radio data communication  
Land mobile radio dispatch  
Land mobile radio diversity systems  
Land mobile radio equipment  
Land mobile radio interference  
Land mobile radio meteorological factors+ ==> Instead use  
    Land mobile radio propagation factors  
Land mobile radio propagation factors  
Land mobile radio spectrum management  
Land mobile radio terrain factors+ ==> Instead use  
    Land mobile radio propagation factors  
Land transportation  
Land vehicles  
Landing guidance systems+ ==> Instead use  
    Aircraft landing guidance  
Languages  
Lanthanum  
Lanthanum alloys  
Lanthanum compounds  
Laplace equations  
Laplace transforms  
Large-scale circuits  
Large-scale integration  
Large-scale systems  
Large-screen displays  
Laser ablation  
Laser absorbers  
Laser accessories  
Laser amplifiers

Laser amplitude stability+ ==> Instead use  
    Laser stability

Laser annealing

Laser applications

Laser arrays

Laser beam distortion

Laser beam effects+ ==> Instead use  
    Laser radiation effects

Laser beam fluctuations+ ==> Instead use  
    Laser stability

Laser beam focusing

Laser beam steering

Laser beams

Laser biomedical applications

Laser bonding

Laser cavity resonators+ ==> Instead use  
    Laser resonators

Laser chemistry applications

Laser components+ ==> Instead use  
    Laser accessories

Laser couplers

Laser diodes+ ==> Instead use  
    Semiconductor lasers

Laser drivers+ ==> Instead use  
    Driver circuits

Laser excitation

Laser frequency stability+ ==> Instead use  
    Laser stability

Laser fusion

Laser machining

Laser materials-processing applications

Laser measurement applications

Laser measurements

Laser modes

Laser modulation+ ==> Instead use  
    Optical modulation

Laser noise

Laser pulse amplifiers+ ==> Instead use  
    Laser amplifiers

Laser radar

Laser radiation effects

Laser reliability

Laser resonators

Laser stability

Laser thermal factors

Laser tuning

Laser wavelength stability+ ==> Instead use  
    Laser stability

Laser welding

Lasers

Lattice circuits

Lattice estimation

Lattice filters

Launching (electromagnetic)+ ==> Instead use  
    Electromagnetic launching

Launching (electrothermal)+ ==> Instead use  
  Electrothermal launching

Law enforcement+ ==> Instead use  
  Public safety

Layered media+ ==> Instead use  
  Nonhomogeneous media

Layout

Layout of circuit boards+ ==> Instead use  
  Printed circuit layout

Layout of integrated circuits+ ==> Instead use  
  Integrated circuit layout

LCD drivers+ ==> Instead use  
  Driver circuits

Lead

Lead alloys

Lead bonding

Lead compounds

Leak detection

Leakage currents

Leaky wave antennas

Leaky waves

Learning automata+ ==> Instead use  
  Stochastic automata

Learning control systems

Learning systems

Least mean square methods

Least squares methods

LEDs+ ==> Instead use  
  Light-emitting diodes

Legal factors

Legged locomotion

Lempel-Ziv codes

Length measurement

Lens antennas

Lens waveguides

Lenses

Level control

Level measurement

Level-crossing problems

Levitation

Libraries

Lidar+ ==> Instead use  
  Laser radar

Lie algebras

Lie groups

Life cycle costing

Life estimation

Light activated switches+ ==> Instead use  
  Light triggered switches

Light deflectors

Light sources

Light triggered switches

Light valves

Lighting

Lighting control

- Lightning
- Light-emitting diode displays
- Light-emitting diodes
- Limbs
- Limit cycles
- Limiting
- Linacs+ ==> Instead use
  - Linear accelerators
- Line drivers+ ==> Instead use
  - Driver circuits
- Line enhancers
- Line pattern analysis+ ==> Instead use
  - Image line pattern analysis
- Linear accelerators
- Linear algebra
- Linear antennas
- Linear approximation
- Linear arrays
- Linear circuits
- Linear codes
- Linear delay filters
- Linear FM+ ==> Instead use
  - Chirp modulation
- Linear FM radar+ ==> Instead use
  - Chirp radar
- Linear induction motors
- Linear integrated circuits+ ==> Instead use
  - Analog integrated circuits
- Linear magnitude filters
- Linear motors
- Linear phase filters
- Linear predictive coding
- Linear programming
- Linear synchronous motors
- Linear systems
- Linear systems (algebraic)+ ==> Instead use
  - Linear algebra
- Linear-quadratic control
- Linear-quadratic-Gaussian control
- Liquid crystal devices
- Liquid crystal displays
- Liquid crystals
- Liquid flow+ ==> Instead use
  - Fluid flow
- Liquid helium
- Liquid insulation+ ==> Instead use
  - Dielectric liquids
- Liquid lasers
- Liquid leak detection
- Liquid level control+ ==> Instead use
  - Level control
- Liquid level measurement+ ==> Instead use
  - Level measurement
- Liquids
- LISP

- List processing
- Lithium
- Lithium alloys
- Lithium compounds
- Lithography
- Liver
- Livestock+ ==> Instead use
  - Agriculture
- LMS+ ==> Instead use
  - Least mean square methods
- Load dispatching+ ==> Instead use
  - Power generation dispatch
- Load flow analysis
- Load flow control
- Load forecasting
- Load frequency control+ ==> Instead use
  - Power generation control
- Load leveling+ ==> Instead use
  - Power generation peaking capacity
- Load management
- Load modeling
- Load restoration
- Load shedding
- Loaded antennas
- Loaded scatterers
- Loaded waveguides
- Local area networks
- Locked amplifiers
- Locked oscillators
- Locomotion (legged)+ ==> Instead use
  - Legged locomotion
- Log normal distributions
- Log periodic antennas
- Log spiral antennas
- Logarithmic amplifiers
- Logarithmic arithmetic
- Logic
- Logic arrays
- Logic circuit design+ ==> Instead use
  - Logic design
- Logic circuit fault diagnosis
- Logic circuit fault tolerance
- Logic circuit testing
- Logic circuits
- Logic design
- Logic devices
- Logic functions
- Logic inverters+ ==> Instead use
  - Pulse inverters
- Logic modules
- Logic partitioning
- Logic programming
- Logic programming languages
- Logistics
- Loop antenna arrays

Loop antennas  
Loosely coupled multiprocessors+ ==> Instead use  
    Distributed memory systems  
Loran  
Loss measurement  
Losses  
Lossless circuits  
Lossy circuits  
Lossy media+ ==> Instead use  
    Absorbing media  
Lossy systems  
Loudspeakers  
Low-pass filters  
LPC+ ==> Instead use  
    Linear predictive coding  
LQ control+ ==> Instead use  
    Linear-quadratic control  
LQG control+ ==> Instead use  
    Linear-quadratic-Gaussian control  
LSI+ ==> Instead use  
    Large-scale integration  
Lubrication  
Luminescence  
Luminescent devices  
Lumped element microwave circuits  
Lungs+ ==> Instead use  
    Respiratory system  
Lutetium  
Lutetium alloys  
Lutetium compounds  
Lyapunov matrix equations  
Lyapunov methods  
Machine tool control  
Machine tools  
Machine vision  
Machine windings  
Machining  
Magnesium  
Magnesium alloys  
Magnesium compounds  
Magnet wire  
Magnetic amplifiers  
Magnetic analysis  
Magnetic anisotropy  
Magnetic bearings+ ==> Instead use  
    Magnetic levitation  
Magnetic bubble devices  
Magnetic bubble domains  
Magnetic bubble memories  
Magnetic circuits  
Magnetic confinement  
Magnetic core losses+ ==> Instead use  
    Magnetic losses  
Magnetic core memories  
Magnetic cores

Magnetic devices  
Magnetic disk recording  
Magnetic domains  
Magnetic energy storage+ ==> Instead use  
    Inductive energy storage  
Magnetic field effects  
Magnetic field measurement  
Magnetic fields  
Magnetic film memories  
Magnetic films  
Magnetic filters+ ==> Instead use  
    Magnetic separation  
Magnetic fluids+ ==> Instead use  
    Magnetic liquids  
Magnetic flux measurement+ ==> Instead use  
    Magnetic field measurement  
Magnetic force microscopy  
Magnetic forces  
Magnetic glasses+ ==> Instead use  
    Amorphous magnetic materials  
Magnetic heads  
Magnetic hysteresis  
Magnetic insulation  
Magnetic layered films  
Magnetic levitation  
Magnetic liquids  
Magnetic logic devices  
Magnetic losses  
Magnetic material loaded waveguides  
Magnetic materials  
Magnetic measurements+ ==> Instead use  
    Magnetic variables measurement  
Magnetic memories  
Magnetic microwave devices  
Magnetic millimeter wave devices  
Magnetic modulators  
Magnetic noise  
Magnetic recording  
Magnetic recording mechanical factors  
Magnetic recording noise  
Magnetic resonance  
Magnetic resonance angiocardiology  
Magnetic resonance cardiology  
Magnetic resonance imaging  
Magnetic resonance spectroscopy  
Magnetic semiconductors  
Magnetic separation  
Magnetic shielding  
Magnetic storms  
Magnetic susceptibility  
Magnetic switches  
Magnetic tape recording  
Magnetic tapes  
Magnetic thermal factors  
Magnetic transducers

Magnetic variables control  
Magnetic variables measurement  
Magnetization processes  
Magnetization reversal  
Magnetoacoustic effects  
Magnetocardiography  
Magnetoelasticity  
Magnetoelectric effects  
Magnetoencephalography  
Magnetohydrodynamic conversion  
Magnetohydrodynamics  
Magnetomechanical effects  
Magnetometers  
Magneto optic devices  
Magneto optic effects  
Magneto optic films  
Magneto optic isolators  
Magneto optic Kerr effect  
Magneto optic memories  
Magneto optic modulation  
Magneto optic readout heads  
Magneto optic recording  
Magneto optic transducers  
Magnetoresistance  
Magnetoresistive devices  
Magnetoresistivity+ ==> Instead use  
    Magnetoresistance  
Magnetoresistors+ ==> Instead use  
    Magnetoresistive devices  
Magnetosphere  
Magnetostatic surface waves  
Magnetostatic volume waves  
Magnetostatic waves  
Magnetostatics  
Magnetostriction  
Magnetostrictive devices  
Magnetrons  
Magnets  
Mail+ ==> Instead use  
    Postal services  
Mail (electronic)+ ==> Instead use  
    Electronic mail  
Maintenance  
Majority logic circuits  
Majority logic decoding  
Majority logic devices  
Majority logic functions  
Management  
Management decision-making  
Management education  
Management information systems  
Manganese  
Manganese alloys  
Manganese compounds  
Manipulator collision detection+ ==> Instead use

- Manipulator motion-planning
- Manipulator dynamics
- Manipulator kinematics
- Manipulator motion-planning
- Manipulator obstacle avoidance+ ==> Instead use
  - Manipulator motion-planning
- Manipulator sensing systems+ ==> Instead use
  - Robot sensing systems
- Manipulator tactile systems+ ==> Instead use
  - Robot tactile systems
- Manipulator vision systems+ ==> Instead use
  - Robot vision systems
- Manipulators
- Manipulators (nonrobotic)+ ==> Instead use
  - Remote handling
- Manuals
- Manufacturing
  - SN Use for commercial manufacture only
  - SN For noncommercial processes, use "Fabrication"
- Manufacturing automation
- Manufacturing automation software
- Manufacturing data processing
- Manufacturing economics
- Manufacturing management+ ==> Instead use
  - Production management
- Manufacturing planning
- Manufacturing scheduling
- Manufacturing testing
- Many valued logic+ ==> Instead use
  - Multivalued logic
- Man-machine interfaces+ ==> Instead use
  - User interfaces
- Man-machine systems
- MAP estimation
- Mapping (terrain)+ ==> Instead use
  - Terrain mapping
- Mapping (vegetation)+ ==> Instead use
  - Vegetation mapping
- Marine animals
- Marine cables (communication)+ ==> Instead use
  - Underwater communication cables
- Marine cables (mechanical)+ ==> Instead use
  - Mechanical cables
- Marine cables (power)+ ==> Instead use
  - Underwater power cables
- Marine electrical equipment
- Marine electronic equipment
- Marine equipment
- Marine ports and harbors
- Marine radar
- Marine structures
- Marine technology
- Marine telemetry
- Marine traffic control
- Marine transportation

Marine vegetation  
Marine vehicle communication  
Marine vehicle control  
Marine vehicle detection and tracking  
Marine vehicle electrical systems+ ==> Instead use  
    Marine vehicle power systems  
Marine vehicle electronics  
Marine vehicle maintenance  
Marine vehicle power systems  
Marine vehicle propulsion  
Marine vehicle reliability  
Marine vehicle testing  
Marine vehicle tracking+ ==> Instead use  
    Marine vehicle detection and tracking  
Marine vehicles  
Marketing  
Markov processes  
Martingales  
Marx generators  
Masers  
Masks  
Mass memories  
Mass spectroscopy  
Matched filters  
Materials handling  
Materials processing  
Materials reliability  
Materials science and technology  
Materials testing  
Mathematical morphology+ ==> Instead use  
    Morphological operations  
Mathematical programming  
Mathematics  
Matrices  
Matrix decomposition  
Matrix factorization+ ==> Instead use  
    Matrix decomposition  
Matrix inversion  
Matrix multiplication  
Maximally flat delay filters+ ==> Instead use  
    Linear phase filters  
Maximally flat magnitude filters  
Maximum a posteriori estimation+ ==> Instead use  
    MAP estimation  
Maximum entropy methods  
Maximum likelihood decoding  
Maximum likelihood detection  
Maximum likelihood estimation  
Maximum principle  
Maxwell equations  
MCG+ ==> Instead use  
    Magnetocardiography  
MCM+ ==> Instead use  
    Multichip modules  
Mean square error methods

Measurement  
Measurement errors  
Measurement feedback+ ==> Instead use  
    State feedback  
Measurement standards  
Measurement system data handling  
Measurement units  
Mechanical cables  
Mechanical control equipment  
Mechanical energy storage  
Mechanical engineering  
Mechanical factors  
Mechanical systems  
Mechanical variables control  
Mechanical variables measurement  
Mechatronics  
Median filters  
Medical decision-making  
Medical diagnosis  
Medical economics  
Medical expert systems  
Medical facilities+ ==> Instead use  
    Medical services  
Medical image processing+ ==> Instead use  
    Biomedical image processing  
Medical imaging+ ==> Instead use  
    Biomedical imaging  
Medical information systems  
Medical services  
Medical services planning  
Medical treatment  
Meetings  
MEG+ ==> Instead use  
    Magnetoencephalography  
Membranes  
Memories  
Memory access+ ==> Instead use  
    Memory management  
Memory allocation+ ==> Instead use  
    Memory management  
Memory architecture  
Memory fault diagnosis  
Memory fault tolerance  
Memory hierarchies+ ==> Instead use  
    Memory architecture  
Memory management  
Memory protocols  
Memory scheduling+ ==> Instead use  
    Memory management  
Memory testing  
Memory transfers+ ==> Instead use  
    Memory management  
Memoryless systems  
Mental models+ ==> Instead use  
    Cognitive science

Mercury alloys  
Mercury compounds  
Mercury (metal)  
Merged transistor logic+ ==> Instead use  
    Integrated injection logic  
Merging  
Mersenne transforms+ ==> Instead use  
    Number theoretic transforms  
MESFET amplifiers  
MESFET circuits  
MESFET integrated circuits  
MESFET logic devices  
MESFET memory integrated circuits  
MESFET oscillators  
MESFET power amplifiers  
MESFET switches  
MESFETs  
Mesh generation  
Meson beams  
Meson detectors  
Meson facilities  
Meson radiation effects  
Mesons  
Message passing  
Message switching  
Message systems  
Metabolism+ ==> Instead use  
    Biochemistry  
Metal vapor lasers+ ==> Instead use  
    Gas lasers  
Metallic glasses+ ==> Instead use  
    Amorphous magnetic materials  
Metallic superlattices+ ==> Instead use  
    Superlattices  
Metallization  
Metals  
Metals industry  
Metal-insulator structures  
Metal-insulator-metal devices+ ==> Instead use  
    MIM devices  
Metal-insulator-oxide-semiconductor devices+ ==> Instead use  
    MIS devices  
Metal-insulator-semiconductor devices+ ==> Instead use  
    MIS devices  
Metal-insulator-semiconductor-metal devices+ ==> Instead use  
    MISM devices  
Metal-nitride-oxide-semiconductor devices+ ==> Instead use  
    MIS devices  
Metal-nitride-semiconductor devices+ ==> Instead use  
    MIS devices  
Metal-oxide-semiconductor devices+ ==> Instead use  
    MOS devices  
Metal-semiconductor interfaces+ ==> Instead use  
    Semiconductor-metal interfaces  
Metal-semiconductor-metal devices+ ==> Instead use

MSM devices  
Meteor burst communication  
Meteorological radar  
Meteorology  
Metropolitan area networks  
MHD+ ==> Instead use  
Magnetohydrodynamics  
MIC+ ==> Instead use  
Microwave integrated circuits  
Mica insulation  
Microactuators  
Microassembly  
Microcomputer applications  
Microcomputers  
Microcontrollers  
Microelectrodes  
Microelectromechanical devices  
Micromachining  
Micromotors  
Microorganisms  
Microphones  
Microprocessor applications  
Microprocessor testing  
Microprocessors  
Microprogramming  
Micropumps  
Microresonators  
Microscopy  
Microsensors  
Microstrip  
Microstrip antennas  
Microstrip arrays  
Microstrip circuits  
Microstrip components  
Microstrip couplers  
Microstrip directional couplers  
Microstrip discontinuities  
Microstrip filters  
Microstrip resonators  
Microstrip transitions  
Microtrons  
Microwave amplifiers  
Microwave antenna arrays  
Microwave antennas  
Microwave attenuators  
Microwave bipolar integrated circuits  
Microwave bipolar transistor amplifiers  
Microwave bipolar transistor oscillators  
Microwave bipolar transistors  
Microwave circuits  
Microwave circulators  
Microwave communication  
Microwave detectors  
Microwave devices  
Microwave diodes

Microwave FET amplifiers  
Microwave FET integrated circuits  
Microwave FET oscillators  
Microwave FETs  
Microwave filters  
Microwave frequency conversion  
Microwave generation  
Microwave heating+ ==> Instead use  
    Electromagnetic heating  
Microwave holography  
Microwave imaging  
Microwave integrated circuits  
Microwave isolators  
Microwave landing systems+ ==> Instead use  
    Aircraft landing guidance  
Microwave lasers+ ==> Instead use  
    Masers  
Microwave limiters  
Microwave magnetic devices+ ==> Instead use  
    Magnetic microwave devices  
Microwave measurements  
Microwave mixers  
Microwave modulation  
Microwave oscillators  
Microwave phase shifters  
Microwave power amplifiers  
Microwave power bipolar transistor amplifiers  
Microwave power bipolar transistors  
Microwave power FET amplifiers  
Microwave power FETs  
Microwave power transmission  
Microwave propagation  
Microwave radar+ ==> Instead use  
    Radar  
Microwave radiation effects+ ==> Instead use  
    Electromagnetic radiation effects  
Microwave radio communication  
Microwave radio propagation  
Microwave radio propagation meteorological factors  
Microwave radio propagation terrain factors  
Microwave radiometry  
Microwave receivers  
Microwave reflectometry  
Microwave repeaters  
Microwave resonators  
Microwave spectroscopy  
Microwave switches  
Microwave technology  
Microwave transistors  
Microwave transmitters  
Microwave tubes  
Microwave waveguides+ ==> Instead use  
    Waveguides  
MIL standards+ ==> Instead use  
    Military standards

Military aircraft  
Military command and control+ ==> Instead use  
    Command and control systems  
Military communication  
Military computing  
Military data processing  
Military decision-making  
Military economics  
Military equipment  
Military information systems  
Military land vehicles  
Military procurement  
Military satellites  
Military standards  
Millimeter wave amplifiers  
Millimeter wave antenna arrays  
Millimeter wave antennas  
Millimeter wave attenuators  
Millimeter wave bipolar integrated circuits  
Millimeter wave bipolar transistor amplifiers  
Millimeter wave bipolar transistor oscillators  
Millimeter wave bipolar transistors  
Millimeter wave circuits  
Millimeter wave circulators  
Millimeter wave communication  
Millimeter wave couplers  
Millimeter wave detectors  
Millimeter wave devices  
Millimeter wave diodes  
Millimeter wave directional couplers  
Millimeter wave FET amplifiers  
Millimeter wave FET integrated circuits  
Millimeter wave FET oscillators  
Millimeter wave FETs  
Millimeter wave filters  
Millimeter wave frequency conversion  
Millimeter wave generation  
Millimeter wave imaging  
Millimeter wave integrated circuits  
Millimeter wave isolators  
Millimeter wave lasers  
Millimeter wave magnetic devices+ ==> Instead use  
    Magnetic millimeter wave devices  
Millimeter wave measurements  
Millimeter wave mixers  
Millimeter wave modulation  
Millimeter wave monolithic integrated circuits+ ==> Instead use  
    MIMICs  
Millimeter wave oscillators  
Millimeter wave phase shifters  
Millimeter wave power amplifiers  
Millimeter wave power bipolar transistor amplifiers  
Millimeter wave power bipolar transistors  
Millimeter wave power FET amplifiers  
Millimeter wave power FETs

Millimeter wave propagation  
Millimeter wave radar  
Millimeter wave radiation effects+ ==> Instead use  
    Electromagnetic radiation effects  
Millimeter wave radio communication  
Millimeter wave radio propagation  
Millimeter wave radio propagation meteorological factors  
Millimeter wave radio propagation terrain factors  
Millimeter wave radiometry  
Millimeter wave receivers  
Millimeter wave repeaters  
Millimeter wave resonators  
Millimeter wave spectroscopy  
Millimeter wave switches  
Millimeter wave technology  
Millimeter wave transistors  
Millimeter wave transmitters  
Millimeter wave tubes  
Millimeter wave waveguides  
MIM devices  
MIMICs  
MIMO systems  
MIN+ ==> Instead use  
    Multistage interconnection networks  
Minicomputer applications  
Minicomputers  
Minimal realizations  
Minimax control  
Minimax methods  
Minimization methods  
Minimum effort control  
Minimum energy control  
Minimum entropy methods  
Minimum fuel control+ ==> Instead use  
    Fuel optimal control  
Minimum mean square error methods+ ==> Instead use  
    Least mean square methods  
Minimum shift keying  
Mining industry  
Mining industry safety  
MIOS devices+ ==> Instead use  
    MIS devices  
Mirrors  
MIS capacitors  
MIS devices  
MISFETs  
MISM devices  
Missile control  
Missile detection and tracking  
Missile guidance  
Missile propulsion  
Missile tracking+ ==> Instead use  
    Missile detection and tracking  
Missiles  
Mixed analog-digital integrated circuits

Mixer noise  
Mixers  
MLS+ ==> Instead use  
    Aircraft landing guidance  
MMIC amplifiers  
MMIC frequency converters  
MMIC mixers  
MMIC oscillators  
MMIC phase shifters  
MMIC power amplifiers  
MMIC receivers  
MMIC repeaters  
MMIC switches  
MMIC transmitters  
MMICs  
MMSE+ ==> Instead use  
    Least mean square methods  
MNOS devices+ ==> Instead use  
    MIS devices  
MNS devices+ ==> Instead use  
    MIS devices  
Mobile antennas  
Mobile communication  
Mobile office+ ==> Instead use  
    Teleworking  
Mobile power supplies  
Mobile robot collision detection+ ==> Instead use  
    Mobile robot motion-planning  
Mobile robot dynamics  
Mobile robot kinematics  
Mobile robot motion-planning  
Mobile robot navigation+ ==> Instead use  
    Mobile robot motion-planning  
Mobile robot obstacle avoidance+ ==> Instead use  
    Mobile robot motion-planning  
Mobile robot sensing systems+ ==> Instead use  
    Robot sensing systems  
Mobile robot tactile systems+ ==> Instead use  
    Robot tactile systems  
Mobile robot vision systems+ ==> Instead use  
    Robot vision systems  
Mobile robots  
Mode coupling+ ==> Instead use  
    Coupled mode analysis  
Mode locked lasers  
Mode matching methods  
Model reduction+ ==> Instead use  
    Reduced order systems  
Model reference adaptive control  
Modeling  
Modems  
MODFET amplifiers  
MODFET circuits  
MODFET integrated circuits  
MODFET logic devices

MODFET memory integrated circuits  
MODFET oscillators  
MODFET power amplifiers  
MODFET switches  
MODFETs  
Modular computer systems  
Modulation  
Modulation coding  
Modulation transfer functions+ ==> Instead use  
    Optical transfer functions  
Modulators+ ==> Instead use  
    Modulation  
Modulator-demodulators+ ==> Instead use  
    Modems  
Moisture  
Moisture control  
Moisture measurement  
Moisture transducers  
Molecular electronics  
Molecular lasers+ ==> Instead use  
    Gas lasers  
Molybdenum  
Molybdenum alloys  
Molybdenum compounds  
MOM devices+ ==> Instead use  
    MIM devices  
Moment methods  
Monitoring  
Monolithic integrated circuits  
Monolithic microwave integrated circuits+ ==> Instead use  
    MMICs  
Monopole antennas  
Monopole arrays  
Monopulse antennas  
Monopulse radar  
Monte Carlo methods  
Moon  
Morphological filters+ ==> Instead use  
    Morphological operations  
Morphological operations  
MOS analog integrated circuits  
MOS capacitors  
MOS controlled thyristors  
MOS devices  
MOS digital integrated circuits  
MOS integrated circuits  
MOS memory integrated circuits  
MOS transistors+ ==> Instead use  
    MOSFETs  
MOSFET amplifiers  
MOSFET circuits  
MOSFET logic devices  
MOSFET oscillators  
MOSFET power amplifiers  
MOSFET switches

MOSFETs  
Mossbauer spectroscopy  
Motion analysis  
Motion compensation  
Motion control  
Motion measurement  
Motion pictures  
Motion-planning  
Motor control+ ==> Instead use  
    Motor drives  
Motor drives  
Motor economics  
Motor protection  
Motor speed control+ ==> Instead use  
    Motor drives  
Motor systems (biological)+ ==> Instead use  
    Biological motor systems  
Motors  
Moving average processes  
Moving target indicators+ ==> Instead use  
    Pulse Doppler radar  
MRI+ ==> Instead use  
    Magnetic resonance imaging  
MSK+ ==> Instead use  
    Minimum shift keying  
MSM devices  
MTF+ ==> Instead use  
    Optical transfer functions  
MTI radar+ ==> Instead use  
    Pulse Doppler radar  
MTL+ ==> Instead use  
    Integrated injection logic  
Mud+ ==> Instead use  
    Sediments  
Multiaccess communication  
Multiarea power systems+ ==> Instead use  
    Interconnected power systems  
Multibeam antennas  
Multicast channels  
Multichannel analyzers+ ==> Instead use  
    Pulse height analyzers  
Multichip modules  
Multiconductor transmission lines  
Multidimensional coding  
Multidimensional digital filter stability+ ==> Instead use  
    Digital filter wordlength effects  
Multidimensional digital filters  
Multidimensional sequences  
Multidimensional signal detection  
Multidimensional signal processing  
Multidimensional systems  
Multifrequency antennas  
Multilayer perceptrons  
Multilayers+ ==> Instead use  
    Nonhomogeneous media

Multilevel systems  
Multilinear systems+ ==> Instead use  
    Nonlinear systems  
Multimanipulator systems+ ==> Instead use  
    Multiple manipulators  
Multimedia communication  
Multimedia computing  
Multimedia databases  
Multimedia systems  
Multimode transmission lines  
Multimode waveguides  
Multipath channels  
Multiple-input multiple-output systems+ ==> Instead use  
    MIMO systems  
Multiple manipulators  
Multiplexing  
Multiple-input multiple-output systems+ ==> Instead use  
    MIMO systems  
Multiplication  
Multiplying circuits  
Multiport circuits  
Multiprocessing  
Multiprocessor interconnection  
Multiprocessor scheduling+ ==> Instead use  
    Processor scheduling  
Multiprogramming  
Multireflector antennas  
Multisensor systems  
Multistage interconnection networks  
Multistatic scattering  
Multitasking  
Multiuser channels  
Multivalued logic  
Multivalued logic circuits  
Multivalued logic devices  
Multivariable circuits  
Multivariable functions  
Multivariable systems  
Multivibrators  
Muons+ ==> Instead use  
    Mesons  
Muscles  
Music  
Mutual coupling  
Nanotechnology  
Natural gas  
Natural gas industry  
Natural language interfaces  
Natural languages  
Navigation  
Negative immittance converters+ ==> Instead use  
    Impedance converters  
Negative immittance inverters+ ==> Instead use  
    Impedance inverters  
Negative resistance circuits

Negative resistance devices  
Neodymium  
Neodymium alloys  
Neodymium compounds  
Neodymium:glass lasers  
Neodymium:solid lasers  
Neodymium:YAG lasers  
Neon  
Neonates+ ==> Instead use  
    Obstetrics  
Nervous system  
Nets+ ==> Instead use  
    Networks  
Network fault diagnosis  
Network fault tolerance  
Network interfaces  
    interfaces" was used  
Network operating systems  
Network reliability  
Network routing+ ==> Instead use  
    Routing  
Network servers  
Network testing  
Networks  
Neural chips+ ==> Instead use  
    Neural network hardware  
Neural network applications  
Neural network architecture  
Neural network hardware  
Neural networks  
Neurocontrollers  
Neurology+ ==> Instead use  
    Nervous system  
Neuromuscular stimulation  
Neutrinos  
Neutron activation analysis  
Neutron beams  
Neutron detectors  
Neutron radiation effects  
Neutron sources  
Neutron spectroscopy  
Neutron spectroscopy detectors  
Neutrons  
Newton method  
Newton-Raphson method  
Nickel  
Nickel alloys  
Nickel compounds  
Niobium  
Niobium alloys  
Niobium compounds  
Nitrogen  
Nitrogen compounds  
NMR+ ==> Instead use  
    Nuclear magnetic resonance

NMR imaging+ ==> Instead use  
    Magnetic resonance imaging

NMR spectroscopy+ ==> Instead use  
    Magnetic resonance spectroscopy

Noble gases

Noise

Noise generators

Noise measurement

Nondestructive readout

Nondestructive testing

Nonhomogeneous media

Nonhomogeneously loaded waveguides

Nonlinear acoustics

Nonlinear circuits

Nonlinear detection

Nonlinear difference equations

Nonlinear differential equations

Nonlinear distortion

Nonlinear equations

Nonlinear estimation

Nonlinear filters

Nonlinear functions

Nonlinear magnetics

Nonlinear media

Nonlinear optics

Nonlinear oscillators

Nonlinear programming

Nonlinear systems

Nonlinear wave propagation

Nonlinearities

Nonmonotonic reasoning

Nonradiative dielectric waveguides

Nonreciprocal circuits

Nonreciprocal media

Nonreciprocal wave propagation

Nonuniform transmission lines+ ==> Instead use  
    Distributed parameter circuits

Nonuniformly spaced arrays

Normal distributions

Notch filters

NRD waveguides+ ==> Instead use  
    Nonradiative dielectric waveguides

Nuclear angiocardiology

Nuclear cardiology

Nuclear chest imaging

Nuclear explosions

Nuclear fuels

Nuclear imaging

Nuclear magnetic resonance

Nuclear magnetic resonance imaging+ ==> Instead use  
    Magnetic resonance imaging

Nuclear measurements

Nuclear medicine+ ==> Instead use  
    Biomedical applications of nuclear radiation

Nuclear physics

Nuclear power generation  
Nuclear power generation auxiliary systems  
Nuclear power generation control  
Nuclear power generation maintenance  
Nuclear power generation reliability  
Nuclear power generation safety  
Nuclear radiation effects  
Nuclear reactors (fission)+ ==> Instead use  
    Fission reactors  
Nuclear reactors (fusion)+ ==> Instead use  
    Fusion reactors  
Nuclear rocket engines  
Nuclear tomography  
Nuclear wastes+ ==> Instead use  
    Radioactive pollution  
Number theoretic transforms  
Number theory  
Numerical analysis  
Numerical control  
Numerical stability  
Nursing+ ==> Instead use  
    Medical services  
Nyquist stability  
N-path circuits  
N-path filters  
N-port circuits+ ==> Instead use  
    Multiport circuits  
Obituaries  
Object detection  
Object oriented databases  
Object oriented languages  
Object oriented methods  
Object oriented programming  
Object recognition  
Observability  
Observers  
Obstetrics  
Occupational health and safety  
Ocean+ ==> Instead use  
    Sea  
Ocean animals+ ==> Instead use  
    Marine animals  
Ocean technology+ ==> Instead use  
    Marine technology  
Ocean thermal energy conversion  
Ocean vegetation+ ==> Instead use  
    Marine vegetation  
OCR+ ==> Instead use  
    Optical character recognition  
Octrees  
Office automation  
Offset reflector antennas  
Ogives  
Ohmic contacts  
Ohmmeters+ ==> Instead use

- Resistance measurement
- Oil+ ==> Instead use
  - Petroleum
- Oil circuit breakers
- Oil filled cables
- Oil industry+ ==> Instead use
  - Petroleum industry
- Oil insulation
- Olfactory system
- One-port circuits
- On-off control
- On-off keying+ ==> Instead use
  - Amplitude shift keying
- OOK+ ==> Instead use
  - Amplitude shift keying
- Open systems
- Operating system kernels
- Operating systems
- Operational amplifiers
- Operations research
- Operators (mathematics)
- Ophthalmic lenses
- Optical altimetry
- Optical amplifiers
- Optical arrays
- Optical beam focusing
- Optical beam splitting
- Optical beams
- Optical bistability
- Optical character recognition
- Optical circulators
- Optical communication
- Optical communication equipment
- Optical communication terminals
- Optical components
- Optical computing
- Optical control
- Optical correlators
- Optical couplers
  - SN Use for physical device only
- Optical coupling
  - SN For physical device, use "Optical couplers"
- Optical crosstalk
- Optical data processing
- Optical deflectors+ ==> Instead use
  - Light deflectors
- Optical delay lines
- Optical detectors+ ==> Instead use
  - Photodetectors
- Optical device fabrication
  - SN Use for commercial and noncommercial processes
- Optical diffraction
- Optical directional couplers
- Optical distance measurement
- Optical distortion

Optical ellipsometry+ ==> Instead use  
    Ellipsometry

Optical equalizers

Optical feedback

Optical fiber amplifiers

Optical fiber applications

Optical fiber cables

Optical fiber cladding

Optical fiber communication

Optical fiber connecting

Optical fiber couplers

    SN Use for physical device only

Optical fiber coupling

    SN For physical device, use "Optical fiber couplers"

Optical fiber delay lines

Optical fiber device fabrication+ ==> Instead use  
    Optical device fabrication

Optical fiber devices

Optical fiber dispersion

Optical fiber fabrication

    SN Use for commercial and noncommercial processes

Optical fiber filters

Optical fiber interference

Optical fiber LAN

Optical fiber lasers

Optical fiber losses

Optical fiber materials

Optical fiber measurement applications

Optical fiber measurements

Optical fiber mechanical factors

Optical fiber polarization

Optical fiber protective covering

Optical fiber radiation effects

Optical fiber switches

Optical fiber telemetry

Optical fiber testing

Optical fiber theory

Optical fiber thermal factors

Optical fiber transducers

Optical fiber transitions

Optical fibers

Optical films

Optical filters

Optical frequency conversion

Optical glass

    materials/devices" were used

Optical gratings+ ==> Instead use  
    Gratings

Optical hole burning

Optical image processing

Optical imaging

Optical imaging (biological)+ ==> Instead use  
    Visual system

Optical interconnections

Optical interferometry

Optical isolators  
Optical Kerr effect  
Optical klystrons  
Optical limiters  
Optical links+ ==> Instead use  
    Optical communication  
Optical logic devices  
Optical losses  
Optical materials  
Optical measurements+ ==> Instead use  
    Optical variables measurement  
Optical memories  
Optical mixers  
    SN Use for physical device only  
Optical mixing  
    SN For physical device, use "Optical mixers"  
Optical modulation  
Optical neural networks  
Optical noise  
Optical oscillators  
Optical parametric amplifiers  
Optical parametric oscillators  
Optical phase conjugation  
Optical phase locked loops  
Optical phase matching  
Optical phase shifters  
Optical planar waveguide components  
Optical planar waveguide couplers  
Optical planar waveguides  
Optical polarization  
Optical polymers  
Optical position measurement  
Optical propagation  
Optical propagation in absorbing media  
Optical propagation in anisotropic media  
Optical propagation in dispersive media  
Optical propagation in nonhomogeneous media  
Optical propagation in nonlinear media  
Optical propagation in nonreciprocal media+ ==> Instead use  
    Nonreciprocal wave propagation  
Optical propagation in plasma media  
Optical pulse amplifiers  
Optical pulse compression  
Optical pulse generation  
Optical pulse measurements  
Optical pulse shaping  
Optical pulses  
Optical pumping  
Optical radar+ ==> Instead use  
    Laser radar  
Optical radiation effects  
Optical radiometry+ ==> Instead use  
    Radiometry  
Optical receivers  
Optical recording

Optical reflection  
Optical refraction  
Optical repeaters  
Optical resonance  
Optical resonators  
Optical saturation  
Optical scattering  
Optical self-focusing  
Optical signal detection  
Optical signal processing  
Optical solitons  
Optical spectroscopy  
Optical strip waveguide components  
Optical strip waveguide couplers  
Optical strip waveguides  
Optical subscriber sets+ ==> Instead use  
    Optical communication terminals  
Optical surface waves  
Optical switches  
Optical taps+ ==> Instead use  
    Optical couplers  
Optical time domain reflectometry  
Optical tomography  
    imaging/mapping" were used  
Optical tracking  
Optical transducers  
Optical transfer functions  
Optical transient propagation  
Optical transient scattering  
Optical transmitters  
Optical variables control  
Optical variables measurement  
Optical velocity measurement  
    SN Use for velocity measurement by optical means  
    SN For optical wave velocity, use "Optical propagation"  
Optical waveguide components  
Optical waveguide filters  
Optical waveguide theory  
Optical waveguides  
Optics  
Optimal control  
Optimization methods  
Optimizing compilers  
Optoacoustic effects+ ==> Instead use  
    Photoacoustic effects  
Optoelectronic devices  
Optothermal effects+ ==> Instead use  
    Photothermal effects  
Optothyristors+ ==> Instead use  
    Photothyristors  
Oral communication  
Order statistic filters+ ==> Instead use  
    Nonlinear filters  
Organic compounds

Organic dyes+ ==> Instead use  
  Dyes

Organs (biological)+ ==> Instead use  
  Biological organs

Orientation control+ ==> Instead use  
  Position control

Orientation determination+ ==> Instead use  
  Position measurement

Orientation determination (image)+ ==> Instead use  
  Image orientation analysis

Orientation measurement+ ==> Instead use  
  Position measurement

Orthogonal functions

Orthogonal transforms+ ==> Instead use  
  Transforms

Orthopedics

Orthotics

Oscillator noise

Oscillator stability

Oscillators

Oscillography

Oscilloscopes

OSI+ ==> Instead use  
  Open systems

OTDR+ ==> Instead use  
  Optical time domain reflectometry

OTEC+ ==> Instead use  
  Ocean thermal energy conversion

OTF+ ==> Instead use  
  Optical transfer functions

Output feedback

Overcurrent protection

Overflow oscillations+ ==> Instead use  
  Finite wordlength effects

Overhead distribution lines+ ==> Instead use  
  Power distribution lines

Overhead transmission lines+ ==> Instead use  
  Power transmission lines

Overvoltage protection

Overwater radio propagation

Oxidation

Oxygen

Oxygen compounds

Oxygenators+ ==> Instead use  
  Blood oxygenators

Ozone

Pacemakers+ ==> Instead use  
  Cardiac pacemakers

Packaging

Packet radio

Packet reservation multiaccess

Packet switching

PACS+ ==> Instead use  
  Picture archiving and communication systems

Page description languages

languages" were used  
Paged memories  
Paging communication  
Pain  
Palladium  
Palladium alloys  
Palladium compounds  
PAM+ ==> Instead use  
    Pulse amplitude modulation  
Pancreas+ ==> Instead use  
    Digestive system  
Paper industry+ ==> Instead use  
    Pulp and paper industry  
Paper insulation  
Paraelectric materials+ ==> Instead use  
    Dielectric materials  
Parallel algorithms  
Parallel architectures  
Parallel languages  
Parallel machines  
Parallel memories  
Parallel plate waveguides  
Parallel processing  
Parallel processor interconnection+ ==> Instead use  
    Multiprocessor interconnection  
Parallel programming  
Parallelizing compilers  
Paramagnetic materials  
Paramagnetic resonance  
Parameter estimation  
Parameter identification+ ==> Instead use  
    Parameter estimation  
Parameter space methods  
Parameter uncertainty+ ==> Instead use  
    Uncertain systems  
Parametric amplifiers  
Parametric devices  
Parametric oscillators  
Parasitic antennas  
Pareto distributions  
Parity check+ ==> Instead use  
    Codes  
Partial differential equations  
Partial discharges  
Partial fraction expansions  
Partial response signaling  
Particle accelerators+ ==> Instead use  
    Accelerators  
Particle beam bunching  
Particle beam choppers  
Particle beam control  
Particle beam cooling  
Particle beam debunching+ ==> Instead use  
    Particle beam bunching  
Particle beam dynamics

Particle beam extraction  
Particle beam focusing  
Particle beam handling  
Particle beam injection  
Particle beam measurements  
Particle beam optics  
Particle beam stability  
Particle beam steering  
Particle beam transport  
Particle beams  
Particle charging  
Particle collisions  
Particle detectors+ ==> Instead use  
    Radiation detectors  
Particle measurements  
Particle production  
Particle scattering  
Particle separators  
Particle sources  
Particle spectroscopy+ ==> Instead use  
    Spectroscopy  
Particle tracking  
Particles (elementary)+ ==> Instead use  
    Elementary particles  
Particulate measurements+ ==> Instead use  
    Particle measurements  
Passivation  
Passive circuits  
Passive filters  
Patch antennas+ ==> Instead use  
    Microstrip antennas  
Patent abstracts  
Patents  
Pattern classification  
Pattern clustering methods  
Pattern matching  
Pattern recognition  
Pattern recognition equipment  
PCB+ ==> Instead use  
    Polychlorinated biphenyls  
PCM+ ==> Instead use  
    Pulse code modulation  
PDM+ ==> Instead use  
    Pulse width modulation  
Peak detectors  
Pediatrics  
Peltier effect+ ==> Instead use  
    Thermoelectricity  
Perceptrons  
Periodic control  
Periodic functions  
Periodic media+ ==> Instead use  
    Nonhomogeneous media  
Periodic structures  
Peripheral equipment+ ==> Instead use

## Computer peripherals

Permalloy  
Permalloy films  
Permanent magnet generators  
Permanent magnet machines  
Permanent magnet motors  
Permanent magnets  
Permeability  
Permeability measurement  
Permeable base transistors  
Permittivity  
Permittivity measurement  
Permutation codes  
Permutation matrices  
Permutations  
Perpendicular magnetic anisotropy  
Perpendicular magnetic recording  
Personal communication networks  
Personal computers+ ==> Instead use  
    Microcomputers  
Personnel  
Personnel monitoring+ ==> Instead use  
    Radiation monitoring  
Perturbation methods  
PET+ ==> Instead use  
    Positron emission tomography  
Petri nets  
Petroleum  
Petroleum industry  
PFM+ ==> Instead use  
    Pulse frequency modulation  
Pharmaceuticals+ ==> Instead use  
    Drugs  
Phase coding  
Phase comparators  
Phase conjugation  
Phase control  
Phase conversion  
Phase detection  
Phase distortion  
Phase equalizers  
Phase estimation  
Phase jitter  
Phase locked amplifiers  
Phase locked loops  
Phase locked oscillators  
Phase matching  
Phase measurement  
Phase modulation  
Phase noise  
Phase shift keying  
Phase shifters  
Phase synchronization  
Phase transformers  
Phased array radar

Phased arrays  
Philosophical considerations  
Phonographs+ ==> Instead use  
    Audio systems  
Phonons  
Phosphorus  
Phosphorus alloys  
Phosphorus compounds  
Photoacoustic effects  
Photoacoustic spectroscopy  
Photocathodes  
Photochromism  
Photocomposition+ ==> Instead use  
    Text processing  
Photoconducting devices  
Photoconducting materials  
Photoconductivity  
Photoconductors+ ==> Instead use  
    Photoconducting materials  
Photocurrent+ ==> Instead use  
    Photoconductivity  
Photodarkening+ ==> Instead use  
    Photochromism  
Photodetectors  
Photodiodes  
Photodissociation lasers+ ==> Instead use  
    Chemical lasers  
Photoelasticity  
Photoelectricity  
Photoemission+ ==> Instead use  
    Photoelectricity  
Photogalvanic effects+ ==> Instead use  
    Photoconductivity+ ==> Instead use  
    Photovoltaic effects  
Photography  
Photoionization  
Photolithography  
Photoluminescence  
Photomagnetic devices+ ==> Instead use  
    Magneto optic devices  
Photomagnetic effects+ ==> Instead use  
    Magneto optic effects  
Photometry  
Photomultipliers  
Photon beams  
Photon radiation effects  
Photonic switching systems  
Photopolymers+ ==> Instead use  
    Optical polymers  
Photorefractive effect  
Photorefractive materials  
Photoresists+ ==> Instead use  
    Resists  
Photosynthesis  
Photothermal effects

Photothyristors  
Phototransistors  
Phototubes+ ==> Instead use  
    Photoelectricity  
Photovoltaic cell doping  
Photovoltaic cell fabrication  
    SN Use for commercial or noncommercial processes  
Photovoltaic cell ion implantation  
Photovoltaic cell materials  
Photovoltaic cell measurements  
Photovoltaic cell metallization  
Photovoltaic cell noise  
Photovoltaic cell packaging  
Photovoltaic cell radiation effects  
Photovoltaic cell reliability  
Photovoltaic cell testing  
Photovoltaic cell thermal factors  
Photovoltaic cells  
Photovoltaic detectors  
Photovoltaic effects  
Photovoltaic power systems  
Photovoltaic space power systems  
Physical optics  
Physical theory of diffraction  
Physics  
Picture archiving and communication systems  
Picture processing+ ==> Instead use  
    Image processing  
Picture tubes+ ==> Instead use  
    TV displays  
PID control+ ==> Instead use  
    Proportional control  
Piecewise constant approximation  
Piecewise linear approximation  
Piecewise polynomial approximation  
Piezoceramics+ ==> Instead use  
    Piezoelectric materials  
Piezoelectric devices  
Piezoelectric effects+ ==> Instead use  
    Piezoelectricity  
Piezoelectric films  
Piezoelectric materials  
Piezoelectric motors+ ==> Instead use  
    Acoustic motors  
Piezoelectric radiation effects  
Piezoelectric resonator filters  
Piezoelectric resonator oscillators  
Piezoelectric resonators  
Piezoelectric semiconductors  
Piezoelectric transducers  
Piezoelectricity  
Piezomagnetic effects+ ==> Instead use  
    Magnetomechanical effects  
Piezooptic effects  
Piezoresistance

Piezoresistive devices  
Piezoresistors+ ==> Instead use  
    Piezoresistive devices  
Pions+ ==> Instead use  
    Mesons  
Pipe cables  
Pipeline arithmetic  
Pipeline processing  
Pipelines  
Piracy (software)+ ==> Instead use  
    Computer crime  
PLA+ ==> Instead use  
    Programmable logic arrays  
Planar arrays  
Planar transmission lines  
Planar waveguides  
Planetary atmospheres  
Planets  
Planning  
Plants (industrial)+ ==> Instead use  
    Industrial plants  
Plasma applications  
Plasma arc devices  
Plasma chemical vapor deposition+ ==> Instead use  
    Plasma CVD  
Plasma confinement  
Plasma control  
Plasma covered antennas  
Plasma CVD  
Plasma devices  
Plasma diagnostics+ ==> Instead use  
    Plasma measurements  
Plasma displays+ ==> Instead use  
    Gas discharge displays  
Plasma engines  
Plasma etching+ ==> Instead use  
    Plasma materials-processing applications  
Plasma focus  
Plasma generation  
Plasma heating  
Plasma loaded waveguides  
Plasma materials-processing applications  
Plasma measurements  
Plasma oscillations  
Plasma pinch  
Plasma properties  
Plasma sheaths  
Plasma stability  
Plasma torches  
Plasma waves  
Plasmas  
Plasmons  
Plastic films  
Plastic insulation  
Plastic insulators

Plastic packaging  
Plastics  
Plastics industry  
Plates  
Platinum  
Platinum alloys  
Platinum compounds  
Plethysmography  
PLL+ ==> Instead use  
    Phase locked loops  
Plotters  
Plutonium  
PLZT ceramics  
PM+ ==> Instead use  
    Phase modulation  
Pneumatic control equipment  
Pneumatic systems  
Pockels effect  
Point processes  
Point spread functions+ ==> Instead use  
    Optical transfer functions  
Pointing systems  
Poisson distributions  
Poisson processes  
Polar regions+ ==> Instead use  
    Arctic regions  
Polarimetric radar+ ==> Instead use  
    Radar polarimetry  
Polarimetry  
Polarization  
Pole assignment  
Poles and towers  
    or "Power distribution mechanical factors" was used  
Poles and zeros  
Pollution  
Pollution control  
Pollution measurement  
Polychlorinated biphenyls  
Polyethylene insulation  
Polyimide films  
Polymers+ ==> Instead use  
    Plastics  
Polynomial approximation  
Polynomial codes  
Polynomial matrices  
Polynomial transforms  
Polynomials  
Polypropylene films  
Polypropylene insulation  
Pontryagin maximum principle+ ==> Instead use  
    Maximum principle  
Popov criterion  
Porcelain insulators  
Portable radio communication  
Ports+ ==> Instead use

Marine ports and harbors  
Position control  
Position measurement  
Position sensitive particle detectors  
Positive immittance converters+ ==> Instead use  
    Immittance converters  
Positive immittance inverters+ ==> Instead use  
    Immittance inverters  
Positive real functions  
Positron beams  
Positron emission tomography  
Positrons  
Possibility theory  
Postal services  
Postscript+ ==> Instead use  
    Page description languages  
Posture  
Potassium  
Potassium alloys  
Potassium compounds  
Potential transformers+ ==> Instead use  
    Voltage transformers  
Potentiometers  
Powdered magnetic materials  
Powders  
Power amplifiers  
Power bipolar transistor amplifiers  
Power bipolar transistor switches  
Power bipolar transistors  
Power cable connecting  
Power cable installation  
Power cable insulation  
Power cable joints+ ==> Instead use  
    Power cable connecting  
Power cable mechanical factors  
Power cable protective covering  
Power cable sheathing+ ==> Instead use  
    Power cable protective covering  
Power cable shielding  
Power cable splicing+ ==> Instead use  
    Power cable connecting  
Power cable testing  
Power cable thermal factors  
Power cables  
Power capacitors  
Power combiners  
Power conditioning  
Power consumption+ ==> Instead use  
    Power demand  
Power control  
Power conversion  
Power conversion harmonics  
Power demand  
Power distribution  
Power distribution acoustic noise

Power distribution automation+ ==> Instead use  
    Power distribution control

Power distribution biological effects

Power distribution cables+ ==> Instead use  
    Power cables

Power distribution control

Power distribution economics

Power distribution electromagnetic interference

Power distribution faults

Power distribution harmonics+ ==> Instead use  
    Power system harmonics

Power distribution lines

Power distribution maintenance

Power distribution mechanical factors

Power distribution meteorological factors

Power distribution noise (acoustic)+ ==> Instead use  
    Power distribution acoustic noise

Power distribution planning

Power distribution protection

Power distribution reliability

Power distribution testing

Power distribution transformers+ ==> Instead use  
    Power transformers

Power dividers

Power electronics

Power engineering

Power engineering education

Power factor+ ==> Instead use  
    Reactive power

Power FET amplifiers

Power FET switches

Power FETs

Power filters

Power flow analysis+ ==> Instead use  
    Load flow analysis

Power flow control+ ==> Instead use  
    Load flow control

Power generation

Power generation acoustic noise

Power generation auxiliary systems

Power generation availability

Power generation control

Power generation dispatch

Power generation economics

Power generation excitation systems+ ==> Instead use  
    AC generator excitation

Power generation faults

Power generation maintenance

Power generation mechanical factors

Power generation meteorological factors

Power generation noise (acoustic)+ ==> Instead use  
    Power generation acoustic noise

Power generation peaking capacity

Power generation planning

Power generation protection

Power generation reliability  
Power generation scheduling  
Power generation testing  
Power industry  
Power integrated circuits  
Power lasers  
Power line filters+ ==> Instead use  
    Power filters  
Power measurement  
Power MESFETs  
Power MODFETs  
Power MOSFETs  
Power plants+ ==> Instead use  
    Power generation  
Power pools+ ==> Instead use  
    Interconnected power systems  
Power quality  
Power semiconductor devices  
Power semiconductor diode switches  
Power semiconductor diodes  
Power semiconductor switches  
Power spectra+ ==> Instead use  
    Spectral analysis  
Power stations+ ==> Instead use  
    Power generation  
Power stations (space)+ ==> Instead use  
    Space power stations  
Power stations (substations)+ ==> Instead use  
    Substations  
Power supplies  
Power system availability  
Power system communication  
Power system control  
Power system dynamic stability  
Power system economics  
Power system faults  
Power system harmonics  
Power system identification  
Power system interconnection+ ==> Instead use  
    Interconnected power systems  
Power system lightning effects  
Power system maintenance  
Power system measurements  
Power system mechanical factors  
Power system meteorological factors  
Power system modeling  
Power system monitoring  
Power system parameter estimation  
Power system planning  
Power system protection  
Power system protective relaying+ ==> Instead use  
    Protective relaying  
Power system relaying  
Power system reliability  
Power system restoration

Power system security  
Power system simulation  
Power system stability  
Power system state estimation  
Power system steady state stability+ ==> Instead use  
    Power system dynamic stability  
Power system telemetry+ ==> Instead use  
    Power system communication  
Power system testing  
Power system transient stability  
Power system transients  
Power systems  
Power transformer insulation  
Power transformer insulation testing  
Power transformer losses  
Power transformer protection  
Power transformer testing  
Power transformer thermal factors  
Power transformers  
Power transistors  
Power transmission  
Power transmission acoustic noise  
Power transmission biological effects  
Power transmission cables+ ==> Instead use  
    Power cables  
Power transmission control  
Power transmission economics  
Power transmission electromagnetic interference  
Power transmission faults  
Power transmission harmonics+ ==> Instead use  
    Power system harmonics  
Power transmission lines  
Power transmission maintenance  
Power transmission mechanical factors  
Power transmission meteorological factors  
Power transmission noise+ ==> Instead use  
    Power transmission electromagnetic interference  
Power transmission noise (acoustic)+ ==> Instead use  
    Power transmission acoustic noise  
Power transmission planning  
Power transmission protection  
Power transmission reliability  
Power transmission testing  
PPM+ ==> Instead use  
    Pulse position modulation  
Praseodymium  
Praseodymium alloys  
Praseodymium compounds  
Precipitators  
Prediction methods  
Predictive control  
Pressure control  
Pressure effects  
Pressure measurement  
Print readers+ ==> Instead use

Character recognition  
Printed circuit antennas+ ==> Instead use  
    Microstrip antennas  
Printed circuit fabrication  
    SN Use for commercial and noncommercial processes  
Printed circuit layout  
Printed circuit testing  
Printed circuits  
Printers  
Printing  
Privacy  
PRMA+ ==> Instead use  
    Packet reservation multiaccess  
Probabilistic approximation+ ==> Instead use  
    Stochastic approximation  
Probabilistic automata+ ==> Instead use  
    Stochastic automata  
Probabilistic circuits+ ==> Instead use  
    Stochastic circuits  
Probabilistic differential equations+ ==> Instead use  
    Stochastic differential equations  
Probabilistic games+ ==> Instead use  
    Stochastic games  
Probabilistic logic+ ==> Instead use  
    Stochastic logic  
Probabilistic logic circuits+ ==> Instead use  
    Stochastic logic circuits  
Probability  
Probe antennas  
Problem-solving  
Process algebra  
Process control  
Process cooling  
Process heating  
Process monitoring  
Processor scheduling  
Processors (program)+ ==> Instead use  
    Program processors  
Procurement  
Product codes  
Product codes (consumer products)+ ==> Instead use  
    Bar codes  
Product development  
Product liability  
Product safety  
Production control  
Production management  
Production systems  
Productivity  
Professional communication  
Professional societies  
Program assemblers  
Program compilers  
Program control structures  
Program generators+ ==> Instead use

Automatic programming  
Program interpreters  
Program processors  
Programmable circuits  
Programmable control  
Programmable filters  
Programmable logic arrays  
Programmable logic devices  
Programmable read only memory+ ==> Instead use  
    PROM  
Programmed instruction+ ==> Instead use  
    Educational technology  
Programming  
Programming environments  
    "Software development environments" was used  
Programming languages+ ==> Instead use  
    Computer languages  
Programming profession  
Programming theory  
Project management  
Projection chambers  
Prolog  
PROM  
Proof systems+ ==> Instead use  
    Theorem proving  
Propagation  
Proportional control  
Proportional counters  
Proposals  
Propulsion  
Prosthetics  
Protection  
Protective coatings  
Protective relaying  
Proteins  
Protocols  
Proton accelerators  
Proton beams  
Proton detectors  
Proton linear accelerators  
Proton radiation effects  
Proton spectroscopy  
Proton spectroscopy detectors  
Proton storage rings  
Protons  
Proximity factors+ ==> Instead use  
    Antenna proximity factors  
Pseudonoise coded communication  
Pseudonoise coded radar+ ==> Instead use  
    Spread spectrum radar  
Pseudonoise coding  
Pseudonoise processes  
Pseudorandom number generation+ ==> Instead use  
    Random number generation  
Pseudorandom sequences+ ==> Instead use

Sequences  
PSK+ ==> Instead use  
Phase shift keying  
Psychology  
PTD+ ==> Instead use  
Physical theory of diffraction  
PTM+ ==> Instead use  
Pulse time modulation  
Public key cryptography  
Public safety  
Public speaking  
Publishing  
Pulmonary system+ ==> Instead use  
Respiratory system  
Pulp and paper industry  
Pulse amplifiers  
Pulse amplitude modulation  
Pulse analysis  
Pulse circuits  
Pulse code modulation  
Pulse compression circuits  
Pulse compression methods  
Pulse compression radar  
Pulse Doppler radar  
Pulse duration modulation+ ==> Instead use  
Pulse width modulation  
Pulse excited antennas  
Pulse frequency modulation  
Pulse generation  
Pulse height analyzers  
Pulse inverters  
Pulse measurements  
Pulse modulation  
Pulse position modulation  
Pulse power system switches  
Pulse power systems  
Pulse propagation+ ==> Instead use  
Transient propagation  
Pulse radar (Doppler)+ ==> Instead use  
Pulse Doppler radar  
Pulse radar (monopulse)+ ==> Instead use  
Monopulse radar  
Pulse shaping circuits  
Pulse shaping methods  
Pulse time modulation  
Pulse transformers  
Pulse width modulated inverters  
Pulse width modulated power converters  
Pulse width modulation  
Pulsed lasers  
Pumped storage power generation  
Pumping of lasers+ ==> Instead use  
Laser excitation  
Pumps  
Punchthrough diodes

PWM+ ==> Instead use  
Pulse width modulation  
Pylons+ ==> Instead use  
Poles and towers  
Pyroelectric detectors  
"Infrared detectors" were used  
Pyroelectric devices  
Pyroelectricity  
PZT ceramics  
p-i-n diodes  
p-i-n photodiodes  
p-n heterojunctions  
p-n junctions  
Q measurement  
Q factor  
QAM+ ==> Instead use  
Quadrature amplitude modulation  
QPSK+ ==> Instead use  
Quadrature phase shift keying  
Quadratic programming  
Quadrature amplitude modulation  
Quadrature mirror filters  
Quadrature phase shift keying  
Quadtrees  
Quality assurance  
Quality control  
Quality factor+ ==> Instead use  
Q factor  
Quantization  
Quantized control+ ==> Instead use  
Optimal control  
Quantum boxes+ ==> Instead use  
Quantum dots  
Quantum confined Stark effect  
Quantum dots  
Quantum effect semiconductor devices  
Quantum hall effect+ ==> Instead use  
Hall effect  
Quantum theory  
Quantum well devices  
Quantum well lasers  
Quantum wells  
Quantum wires  
Quartz  
Query languages  
Queuing analysis  
Q factor  
Q-switched lasers  
R circuits+ ==> Instead use  
Resistive circuits  
Radar  
Radar altimetry  
Radar antennas  
Radar applications  
Radar clutter

Radar countermeasures  
Radar cross sections  
Radar data processing  
Radar detection  
Radar displays  
Radar distance measurement  
Radar equipment  
Radar imaging  
Radar interference  
Radar measurements  
Radar meteorological factors  
Radar navigation  
Radar polarimetry  
Radar position measurement  
Radar receivers  
Radar reflectivity+ ==> Instead use  
    Radar scattering  
Radar resolution  
Radar scattering  
Radar signal analysis  
Radar signal processing  
Radar target recognition  
Radar terrain factors  
Radar testing  
Radar theory  
Radar tracking  
Radar transmitters  
Radar velocity measurement  
Radiation counters+ ==> Instead use  
    Radiation detectors  
Radiation detector circuits  
Radiation detectors  
Radiation dosimetry+ ==> Instead use  
    Dosimetry  
Radiation effects  
Radiation hardening  
Radiation monitoring  
Radiation safety+ ==> Instead use  
    Biological effects of radiation  
Radiation therapy+ ==> Instead use  
    Biomedical applications of radiation  
Radio altimetry  
Radio astronomy  
Radio broadcast receivers  
Radio broadcast transmitters  
Radio broadcasting  
Radio communication  
Radio communication countermeasures  
Radio communication equipment  
Radio control  
Radio distance measurement  
Radio interference+ ==> Instead use  
    Electromagnetic radiative interference  
Radio interferometry  
Radio LAN+ ==> Instead use

Wireless LAN  
Radio navigation  
Radio noise+ ==> Instead use  
    Electromagnetic radiative interference  
Radio position measurement  
Radio propagation  
Radio propagation meteorological factors  
Radio propagation terrain factors  
Radio receivers  
Radio relay+ ==> Instead use  
    Radio repeaters  
Radio repeaters  
Radio sources (extraterrestrial)+ ==> Instead use  
    Extraterrestrial radio sources  
Radio spectrum management  
Radio telemetry  
Radio telephony+ ==> Instead use  
    Cordless telephone systems  
Radio telescopes+ ==> Instead use  
    Radio astronomy  
Radio tomography+ ==> Instead use  
    Electromagnetic tomography  
Radio tracking  
Radio transceivers+ ==> Instead use  
    Transceivers  
Radio transmitters  
Radio velocity measurement  
Radioactive materials  
Radioactive pollution  
Radioactive waste  
Radiography  
Radioisotopes+ ==> Instead use  
    Radioactive materials  
Radioluminescence  
Radiometry  
Radiosondes  
Radix conversion  
Radomes  
Radon transforms  
Rail traffic control  
Rail transportation  
Rail transportation communication  
Rail transportation control systems  
Rail transportation electrical systems+ ==> Instead use  
    Rail transportation power systems  
Rail transportation electronics  
Rail transportation maintenance  
Rail transportation power systems  
Rail transportation propulsion  
Rail transportation reliability  
Rail transportation testing  
Railgun power supplies  
Railguns  
Rain  
RAM+ ==> Instead use

Random access memories  
Raman lasers  
Raman scattering  
Raman spectroscopy  
Random access communication+ ==> Instead use  
    Multiaccess communication  
Random access memories  
Random arrays  
Random codes  
Random fields+ ==> Instead use  
    Stochastic fields  
Random media  
Random noise  
Random number generation  
Random variables  
Ranging+ ==> Instead use  
    Distance measurement  
Rapid prototyping+ ==> Instead use  
    Software prototyping  
Rapid thermal annealing  
Rapid thermal processing  
Rare earth alloys  
Rare earth compounds  
Rare earth metals  
Rate distortion theory  
Ratemeters+ ==> Instead use  
    Radiation detectors  
Rational approximation  
Rational arithmetic  
Rational functions  
Rational matrices  
Ray optics+ ==> Instead use  
    Geometrical optics  
Ray tracing  
Rayleigh channels  
Rayleigh distributions  
Rayleigh scattering  
Rayleigh waves  
Rayleigh-Ritz methods  
RC circuits  
RCS+ ==> Instead use  
    Radar cross sections  
Reachability analysis  
Reactance circuits+ ==> Instead use  
    Lossless circuits  
Reactive power  
Reactive power control  
Reactors+ ==> Instead use  
    Inductors  
Read diodes+ ==> Instead use  
    IMPATT diodes  
Read only memories  
Real time systems  
Realization theory  
Receivers

Receiving antennas  
Reclosing devices  
Reconfigurable architectures  
Reconnaissance  
Recording  
Rectangular waveguides  
Rectifiers  
Recurrent codes+ ==> Instead use  
    Convolutional codes  
Recurrent neural networks  
Recursive digital filter stability+ ==> Instead use  
    Digital filter wordlength effects  
Recursive digital filters  
Recursive estimation  
Reduced instruction set computing  
Reduced order systems  
Redundancy  
Redundant number systems  
Redundant systems  
Reed relays  
Reed-Muller codes  
Reed-Solomon codes  
Reflection  
Reflectometry  
Reflector antenna blockage  
Reflector antenna feeds  
Reflector antenna mechanical factors  
Reflector antennas  
Refraction  
Refrigeration+ ==> Instead use  
    Cooling  
Refuse+ ==> Instead use  
    Waste materials  
Regenerative stochastic processes  
Registers  
Regulators  
Relational algebra  
Relational databases  
Relativistic effects  
Relaxation methods  
Relaxation oscillators  
Relaxation processes  
Relay control systems  
Relays  
Reliability  
Reliability estimation  
Reliability growth  
Reliability management  
Reliability modeling  
Reliability testing  
Reliability theory  
Reluctance generators  
Reluctance machines  
Reluctance motor drives  
Reluctance motor protection

Reluctance motors  
Remanence  
Remote handling  
Remote procedure calls  
Remote sensing  
Remotely piloted aircraft  
Rendering (computer graphics)  
Renewal processes+ ==> Instead use  
    Regenerative stochastic processes  
Repair+ ==> Instead use  
    Maintenance  
Repeaters  
Replicated databases  
    was used  
Report writing+ ==> Instead use  
    Writing  
Reproductive system  
Research and development  
Research and development economics  
Research and development management  
Research and development planning  
Residue arithmetic  
Residue codes  
Resin insulation  
Resins  
Resistance  
Resistance heating  
Resistance measurement  
Resistive circuits  
Resistivity+ ==> Instead use  
    Conductivity  
Resistivity measurement+ ==> Instead use  
    Conductivity measurement  
Resistors  
Resists  
Resonance  
Resonant power conversion  
Resonant tunneling devices  
Resonant tunneling diodes  
Resonant tunneling transistors  
Resonator filters  
Resonators  
Resource management  
Respiratory system  
Reverse engineering  
Reviews  
RF interference+ ==> Instead use  
    Electromagnetic radiative interference  
Rhodium  
Rhodium alloys  
Rhodium compounds  
Rib waveguides  
Riccati equations  
Rician channels  
Ridge waveguides

Ring arrays+ ==> Instead use  
    Circular arrays

Ring lasers

Rings (algebraic)

RISC+ ==> Instead use  
    Reduced instruction set computing

Risk analysis

Rivers

RL circuits

RLC circuits

Road traffic control

Road transportation

Road transportation communication

Road vehicle control

Road vehicle dispatch+ ==> Instead use  
    Land mobile radio dispatch

Road vehicle electric propulsion

Road vehicle electrical systems+ ==> Instead use  
    Road vehicle power systems

Road vehicle electronics

Road vehicle engines+ ==> Instead use  
    Road vehicle propulsion

Road vehicle identification

Road vehicle location monitoring

Road vehicle maintenance

Road vehicle power systems

Road vehicle propulsion

Road vehicle radar

Road vehicle reliability

Road vehicle testing

Road vehicles

Robot dynamics

Robot kinematics

Robot programming  
    were used

Robot sensing systems

Robot tactile systems

Robot vision systems

Robots

Robustness

Rockets

ROM+ ==> Instead use  
    Read only memories

Room acoustics+ ==> Instead use  
    Architectural acoustics

Root loci

Roots+ ==> Instead use  
    Poles and zeros

Rotating bodies

Rotating machine acoustic noise

Rotating machine electromagnetic interference

Rotating machine insulation

Rotating machine insulation testing

Rotating machine measurements

Rotating machine mechanical factors

Rotating machine nonlinear analysis  
Rotating machine protection  
Rotating machine stability  
Rotating machine testing  
Rotating machine thermal factors  
Rotating machine transient analysis  
Rotating machines  
Rough surfaces  
Roundoff errors  
    analysis" were used  
Routh methods  
Routing  
Routing protocols+ ==> Instead use  
    Communication system routing  
RPC+ ==> Instead use  
    Remote procedure calls  
RTA+ ==> Instead use  
    Rapid thermal annealing  
Rubber  
Rubber industry  
Rubber insulation  
Rubidium  
Rubidium alloys  
Rubidium compounds  
Rule based systems+ ==> Instead use  
    Knowledge based systems  
Run length codes  
Rural areas  
Ruthenium  
Ruthenium alloys  
Ruthenium compounds  
Safety  
Samarium  
Samarium alloys  
Samarium compounds  
Sample and hold circuits  
Sampled data circuits  
Sampled data filters  
Sampled data systems  
Sampling methods  
Sapphire  
SAR+ ==> Instead use  
    Synthetic aperture radar  
Satellite antennas  
Satellite applications  
Satellite broadcasting  
Satellite communication  
Satellite communication earth terminals  
Satellite communication onboard systems  
Satellite computers+ ==> Instead use  
    Space vehicle computers  
Satellite control+ ==> Instead use  
    Space vehicle control  
Satellite electrical systems+ ==> Instead use  
    Space vehicle power systems

Satellite mobile communication  
Satellite navigation systems  
Satellite power systems+ ==> Instead use  
    Space vehicle power systems  
Satellite propulsion+ ==> Instead use  
    Space vehicle propulsion  
Satellite relay systems+ ==> Instead use  
    Satellite communication  
Satellite tracking  
    SN Use for tracking of, not by, satellite  
Satellites  
Saturable cores  
SAW+ ==> Instead use  
    Surface acoustic waves  
SCADA systems  
Scaling circuits+ ==> Instead use  
    Counting circuits  
Scandium  
Scandium alloys  
Scandium compounds  
Scanning antennas  
Scatter channels  
Scattering  
Scattering matrices  
Scattering parameters  
Scattering parameters measurement  
Scene analysis+ ==> Instead use  
    Image analysis  
Scheduling  
Schottky barriers  
Schottky contacts+ ==> Instead use  
    Schottky barriers  
Schottky diode frequency converters  
Schottky diode mixers  
Schottky diodes  
Schottky FETs+ ==> Instead use  
    MESFETs  
Schottky logic circuits  
Schottky logic devices  
Science  
Scientific visualization  
Scintillation detectors  
SCM+ ==> Instead use  
    Subcarrier multiplexing  
SCR+ ==> Instead use  
    Thyristors  
Screens+ ==> Instead use  
    Apertures  
SDH+ ==> Instead use  
    Synchronous digital hierarchy  
SDM+ ==> Instead use  
    Space division multiplexing  
Sea  
Sea animals+ ==> Instead use  
    Marine animals

Sea coast  
Sea floor  
Sea ice  
Sea measurements  
Sea surface  
Sea surface electromagnetic scattering  
Sea vegetation+ ==> Instead use  
    Marine vegetation  
Seals  
Search methods  
Search radar  
Second breakdown  
Secondary electron emission+ ==> Instead use  
    Electron emission  
Secondary ion emission+ ==> Instead use  
    Ion emission  
Secondary radar  
Security  
Sediments  
Seebeck effect+ ==> Instead use  
    Thermoelectricity  
Seismic factors  
Seismic inverse problems  
Seismic measurements  
Seismic signal processing  
Seismic transducers  
Seismic waves  
Seismology  
Self-dual codes+ ==> Instead use  
    Dual codes  
Self-electrooptic-effect devices  
Self-focusing  
Self-induced transparency  
Self-organizing control  
Self-organizing feature maps  
Self-pulsing lasers+ ==> Instead use  
    Pulsed lasers  
Self-testing  
Self-trapping+ ==> Instead use  
    Self-focusing  
Self-tuning regulators+ ==> Instead use  
    Adaptive control  
Semantic networks  
Semiconductor charge carriers+ ==> Instead use  
    Charge carrier processes  
Semiconductor controlled rectifiers+ ==> Instead use  
    Thyristors  
Semiconductor defects  
Semiconductor device bonding  
Semiconductor device breakdown  
Semiconductor device doping  
Semiconductor device economics  
Semiconductor device fabrication  
    SN For commercial manufacture, use "Semiconductor device manufacture"  
Semiconductor device ion implantation

Semiconductor device manufacture  
SN For noncommercial processes, use "Semiconductor device fabrication"  
Semiconductor device measurements  
Semiconductor device mechanical factors  
Semiconductor device metallization  
Semiconductor device modeling  
Semiconductor device noise  
Semiconductor device packaging  
Semiconductor device radiation effects  
Semiconductor device reliability  
Semiconductor device testing  
Semiconductor device thermal factors  
Semiconductor devices  
Semiconductor diode switches  
Semiconductor diodes  
Semiconductor electronics industry+ ==> Instead use  
    Electronics industry  
Semiconductor epitaxial layers  
Semiconductor films  
Semiconductor glasses+ ==> Instead use  
    Amorphous semiconductors  
Semiconductor growth  
Semiconductor heterojunctions  
Semiconductor impurities  
Semiconductor junctions  
Semiconductor laser arrays  
Semiconductor lasers  
Semiconductor loaded waveguides  
Semiconductor logic devices  
Semiconductor materials  
Semiconductor materials measurements  
Semiconductor memories  
Semiconductor noise+ ==> Instead use  
    Semiconductor device noise  
Semiconductor optical amplifiers  
Semiconductor plasmas  
Semiconductor process modeling  
Semiconductor radiation detectors  
Semiconductor relays  
Semiconductor superlattices  
Semiconductor switches  
Semiconductor waveguides  
Semiconductor-insulator interfaces  
Semiconductor-insulator-semiconductor devices  
Semiconductor-metal interfaces  
Semiconductor integrated circuits+ ==> Instead use  
    Application specific integrated circuits  
Sensitivity  
Sensors+ ==> Instead use  
    Detectors+ ==> Instead use  
    Transducers  
Sensors (image)+ ==> Instead use  
    Image sensors  
Sensory aids  
Separation

Separation by implantation of oxygen+ ==> Instead use  
SIMOX

Separators+ ==> Instead use  
Particle separators

Sequence estimation

Sequences

Sequential coding

Sequential decision procedures

Sequential decoding

Sequential detection

Sequential estimation

Sequential logic circuit fault diagnosis

Sequential logic circuit fault tolerance

Sequential logic circuit testing

Sequential logic circuits

Sequential machines

Series (mathematics)

Servers (network)+ ==> Instead use  
Network servers

Servomotors

Servos+ ==> Instead use  
Servomotors

Servosystems

Set theory

SF6

SGML+ ==> Instead use  
Page description languages

Shaded pole motors+ ==> Instead use  
Induction motors

Shape

Shape control

Shape measurement

Shaped beam antennas

Shaping filters

Shared memory systems

Shielding

Shift registers

Ships+ ==> Instead use  
Marine vehicles

Shock+ ==> Instead use  
Electric shock

Shock waves

Short circuit currents

Short take-off and landing aircraft

Shot noise

Side-looking airborne radar

Sigma-delta modulation

Signal analysis

Signal classification+ ==> Instead use  
Pattern classification

Signal decomposition+ ==> Instead use  
Signal resolution

Signal design

Signal detection

Signal estimation+ ==> Instead use

Estimation  
Signal flow graphs  
Signal generators  
Signal processing  
Signal processing antennas  
Signal quantization+ ==> Instead use  
  Quantization  
Signal reconstruction  
Signal representations  
Signal resolution  
Signal restoration  
Signal sampling  
Signal synthesis  
Signaling systems+ ==> Instead use  
  Communication system signaling  
Signals  
  SN Use only for treatment of generalized signals  
Signature verification+ ==> Instead use  
  Handwriting recognition  
Silicon  
Silicon alloys  
Silicon compilers+ ==> Instead use  
  Compilers (silicon)  
Silicon compounds  
Silicon controlled rectifiers+ ==> Instead use  
  Thyristors  
Silicon on insulator technology  
Silicon radiation detectors  
Silicon steel  
Silicone insulation  
Silicone rubber  
Silicone rubber insulators  
Silicones  
Silver  
Silver alloys  
Silver compounds  
SIMOX  
Simulated annealing  
Simulation  
Simulation languages  
Simulation software  
Single photon emission computed tomography  
Singular optimal control  
Singular systems  
Singular value decomposition  
Singularly perturbed systems  
SIS devices (semiconductor)+ ==> Instead use  
  Semiconductor-insulator-semiconductor devices  
SIS devices (superconductor)+ ==> Instead use  
  Superconductor-insulator-superconductor devices  
SIT+ ==> Instead use  
  Static induction transistors  
Site security monitoring  
Size control  
Size measurement

Skin  
Skin effect  
Slab waveguides+ ==> Instead use  
    Optical planar waveguides  
SLAR+ ==> Instead use  
    Side-looking airborne radar  
SLD+ ==> Instead use  
    Superluminescent diodes  
Sleep  
Sliding block codes  
Sliding mode control+ ==> Instead use  
    Variable structure systems  
SLM+ ==> Instead use  
    Spatial light modulators  
Slot antennas  
Slot arrays  
Slotline  
Slotline circuits  
Slotline components  
Slotline transitions  
Slow wave structures  
Smart actuators+ ==> Instead use  
    Intelligent actuators  
Smart cards  
Smart materials+ ==> Instead use  
    Intelligent materials  
Smart pixels  
Smart sensors+ ==> Instead use  
    Intelligent sensors  
Smart structures+ ==> Instead use  
    Intelligent structures  
Smell+ ==> Instead use  
    Olfactory system  
Smoothing methods  
Snow  
SNS devices+ ==> Instead use  
    Superconductor-normal-superconductor devices  
Snubbers  
Social factors  
Sodium  
Sodium alloys  
Sodium compounds  
Soft magnetic films  
Soft magnetic layered films  
Soft magnetic materials  
Software  
Software debugging  
Software development+ ==> Instead use  
    Programming  
Software development environments+ ==> Instead use  
    Programming environments  
Software development management  
Software documentation+ ==> Instead use  
    Documentation  
Software economics

Software engineering  
Software fault diagnosis  
Software fault tolerance  
Software libraries  
Software maintenance  
Software management  
Software metrics  
Software packages  
Software performance  
Software piracy+ ==> Instead use  
    Computer crime  
Software portability  
Software protection  
Software prototyping  
Software quality  
Software reliability  
Software reliability growth  
Software requirements and specifications  
Software reusability  
Software reviews  
Software safety  
Software standards  
Software testing  
Software tools  
Software verification and validation  
SOI+ ==> Instead use  
    Silicon on insulator technology  
Soil  
Soil measurements  
Solar cells+ ==> Instead use  
    Photovoltaic cells  
Solar cooling+ ==> Instead use  
    Cooling  
Solar energy  
Solar heating  
Solar power generation  
Solar power satellites  
Solar radiation  
Soldering  
Solenoids  
Solid lasers  
Solid models+ ==> Instead use  
    Geometric modeling  
Solid state plasmas  
Solid state rectifiers  
Solids  
Solitons  
Sonar  
Sonar applications  
Sonar arrays  
Sonar data processing+ ==> Instead use  
    Sonar signal processing  
Sonar detection  
Sonar distance measurement  
Sonar imaging

Sonar measurements  
Sonar navigation  
Sonar position measurement  
Sonar receivers+ ==> Instead use  
    Sonar transducers  
Sonar scattering  
Sonar signal analysis  
Sonar signal processing  
Sonar target recognition  
Sonar terrain factors  
Sonar tracking  
Sonar transducers  
Sonar transmitters+ ==> Instead use  
    Sonar transducers  
Sonar velocity measurement  
SONET  
Sorting  
SOS (silicon on sapphire)+ ==> Instead use  
    Silicon on insulator technology  
Sound systems+ ==> Instead use  
    Audio systems  
Source coding  
Source location+ ==> Instead use  
    Position measurement  
Space charge  
Space charge limited conduction  
Space charge waves  
Space cooling+ ==> Instead use  
    Air conditioning  
Space division multiplexing  
Space division switching  
Space exploration+ ==> Instead use  
    Extraterrestrial exploration  
Space heating  
Space measurements+ ==> Instead use  
    Extraterrestrial measurements  
Space phenomena+ ==> Instead use  
    Extraterrestrial phenomena  
Space power stations  
Space shuttles  
Space stations  
Space technology  
Space vehicle antennas  
Space vehicle communication  
Space vehicle computers  
Space vehicle control  
Space vehicle electrical systems+ ==> Instead use  
    Space vehicle power systems  
Space vehicle electronics  
Space vehicle maintenance  
Space vehicle photovoltaic power systems+ ==> Instead use  
    Photovoltaic space power systems  
Space vehicle power systems  
Space vehicle propulsion  
Space vehicle reliability

Space vehicle telemetry  
Space vehicle testing  
Space vehicle tracking  
Space vehicles  
Spaceborne radar  
Spark chambers  
Spark gaps  
Sparks  
Sparse matrices  
Spatial data structures  
Spatial filters  
Spatial hole burning+ ==> Instead use  
    Optical hole burning  
Spatial light modulators  
Spatial reasoning  
Speaker recognition  
Special issues and sections  
Specification languages  
Speckle  
SPECT+ ==> Instead use  
    Single photon emission computed tomography  
Spectacle lenses+ ==> Instead use  
    Ophthalmic lenses  
Spectral analysis  
Spectral domain analysis  
Spectral estimation+ ==> Instead use  
    Spectral analysis  
Spectral factorization  
Spectral hole burning+ ==> Instead use  
    Optical hole burning  
Spectrochemical analysis  
Spectrometry+ ==> Instead use  
    Spectroscopy  
Spectroscopy  
Spectrum analysis+ ==> Instead use  
    Spectral analysis  
Spectrum management+ ==> Instead use  
    Radio spectrum management  
Speech analysis  
Speech codecs  
Speech coding  
Speech communication  
Speech enhancement  
Speech intelligibility  
Speech processing  
Speech recognition  
Speech synthesis  
Speechmaking+ ==> Instead use  
    Public speaking  
Speed control+ ==> Instead use  
    Velocity control  
Speed measurement+ ==> Instead use  
    Velocity measurement  
Spheres  
Spherical antennas

Spheroids  
SPICE  
Spin+ ==> Instead use  
    Quantum theory  
Spin-flip lasers+ ==> Instead use  
    Raman lasers  
Spiral antennas  
Spline functions  
Split phase motors+ ==> Instead use  
    Induction motors  
Spontaneous emission  
Spraying  
Spread spectrum communication  
Spread spectrum radar  
Spreadsheet programs  
Spurline  
Spurline components  
Sputter etching  
Sputtering  
Square arrays+ ==> Instead use  
    Planar arrays  
Square wave generators  
Square-rooting  
Squaring+ ==> Instead use  
    Exponentiation  
SQUID magnetometers  
SQUIDS  
Squirrel cage motors  
SRAM chips  
Stability  
Stability criteria  
Standardization  
Standards  
Standby generators  
Standby power supplies+ ==> Instead use  
    Emergency power supplies  
Standing wave measurements  
Stark effect  
Starting  
State assignment  
State estimation  
State feedback  
State space methods  
Static induction transistors  
Static VAR compensators  
Statistical databases  
Statistics  
Steady state stability+ ==> Instead use  
    Power system dynamic stability  
Steam generation  
Steam turbines  
Steel  
Steel industry+ ==> Instead use  
    Metals industry  
Stellarators

Stepper motors  
Stereo displays+ ==> Instead use  
    Three-dimensional displays  
Stereo vision  
Stereophonic systems+ ==> Instead use  
    Audio systems  
Stimulated emission  
Stimulated Rayleigh scattering+ ==> Instead use  
    Rayleigh scattering  
Stirling engines+ ==> Instead use  
    Heat engines  
Stochastic approximation  
Stochastic automata  
Stochastic circuits  
Stochastic differential equations  
Stochastic fields  
Stochastic games  
Stochastic logic  
Stochastic logic circuits  
Stochastic optimal control  
Stochastic processes  
Stochastic systems  
STOL aircraft+ ==> Instead use  
    Short take-off and landing aircraft  
Storage+ ==> Instead use  
    Memories  
Storage rings  
Store and forward switching  
Storms  
Strain  
Strain control  
Strain measurement  
Stranded conductors  
Strategic planning  
Stratified media+ ==> Instead use  
    Nonhomogeneous media  
Stratosphere+ ==> Instead use  
    Terrestrial atmosphere  
Stress  
Stress control  
Stress measurement  
Stress physiology  
Stress (psychological)+ ==> Instead use  
    Human factors  
String matching  
Strip conductors  
Strip scatterers  
Stripline  
Stripline circuits  
Stripline components  
Stripline couplers  
Stripline discontinuities  
Stripline filters  
Stripline resonators  
Stripline transitions

Structural engineering  
Structured programming  
Student experiments  
Subcarrier multiplexing  
Submarine technology+ ==> Instead use  
    Underwater technology  
Submarines+ ==> Instead use  
    Underwater vehicles  
Submersibles+ ==> Instead use  
    Underwater vehicles  
Submillimeter wave amplifiers  
Submillimeter wave antennas  
Submillimeter wave attenuators  
Submillimeter wave bipolar transistors  
Submillimeter wave circuits  
Submillimeter wave circulators  
Submillimeter wave communication  
Submillimeter wave couplers  
Submillimeter wave detectors  
Submillimeter wave devices  
Submillimeter wave diodes  
Submillimeter wave directional couplers  
Submillimeter wave FETs  
Submillimeter wave filters  
Submillimeter wave frequency conversion  
Submillimeter wave generation  
Submillimeter wave imaging  
Submillimeter wave integrated circuits  
Submillimeter wave isolators  
Submillimeter wave lasers  
Submillimeter wave measurements  
Submillimeter wave mixers  
Submillimeter wave modulation  
Submillimeter wave oscillators  
Submillimeter wave phase shifters  
Submillimeter wave power amplifiers  
Submillimeter wave propagation  
Submillimeter wave radiation effects+ ==> Instead use  
    Electromagnetic radiation effects  
Submillimeter wave radio communication  
Submillimeter wave radio propagation  
Submillimeter wave radiometry  
Submillimeter wave receivers  
Submillimeter wave repeaters  
Submillimeter wave resonators  
Submillimeter wave spectroscopy  
Submillimeter wave switches  
Submillimeter wave technology  
Submillimeter wave transistors  
Submillimeter wave transmitters  
Submillimeter wave tubes  
Submillimeter wave waveguides  
Suboptimal control  
Subroutines+ ==> Instead use  
    Algorithms

Subscriber loops  
Subscriber sets+ ==> Instead use  
    Telephone sets  
Substation insulation  
Substation measurements  
Substation switching  
Substations  
Subsynchronous resonance  
Subtraction  
Suburban areas  
Sulfur  
Sulfur compounds  
Sulfur hexafluoride+ ==> Instead use  
    SF6  
Summing circuits  
Supercomputers  
Superconducting accelerator cavities  
Superconducting accelerator magnets  
Superconducting accelerators  
Superconducting cables  
Superconducting cavity resonators  
Superconducting coils  
Superconducting composites  
Superconducting device charge carriers+ ==> Instead use  
    Charge carrier processes  
Superconducting device fabrication  
    SN Use for commercial and noncommercial processes  
Superconducting device measurements  
Superconducting device noise  
Superconducting device packaging  
Superconducting device radiation effects  
Superconducting device reliability  
Superconducting device testing  
Superconducting devices  
Superconducting epitaxial layers  
Superconducting filaments and wires  
Superconducting films  
Superconducting filters  
Superconducting integrated circuits  
    circuits" were used  
Superconducting linear accelerators  
Superconducting magnet energy storage  
Superconducting magnet mechanical factors  
Superconducting magnets  
Superconducting materials  
Superconducting materials growth  
Superconducting materials measurements  
Superconducting materials mechanical factors  
Superconducting materials radiation effects  
Superconducting microwave devices  
Superconducting phase shifters  
Superconducting quantum interference devices+ ==> Instead use  
    SQUIDs  
Superconducting radiation detectors  
Superconducting resonators

Superconducting rotating machines  
Superconducting superlattices+ ==> Instead use  
    Superlattices  
Superconducting switches  
Superconducting tapes  
Superconducting transformers  
Superconducting transistors  
Superconducting transmission lines  
Superconducting wires+ ==> Instead use  
    Superconducting filaments and wires  
Superconductors (high-temperature)+ ==> Instead use  
    High-temperature superconductors  
Superconductor-insulator-superconductor devices  
Superconductor-insulator-superconductor mixers  
Superconductor-normal-superconductor devices  
Superconductor-semiconductor devices  
Superlattices  
Superluminescent diodes  
Superradiance+ ==> Instead use  
    Spontaneous emission  
Supervisory control and data acquisition systems+ ==> Instead use  
    SCADA systems  
Supervisory programs+ ==> Instead use  
    Operating systems  
Surface acoustic wave convolvers  
Surface acoustic wave correlators  
Surface acoustic wave couplers  
Surface acoustic wave delay lines  
Surface acoustic wave detectors  
Surface acoustic wave device fabrication  
    SN Use for commercial and noncommercial processes  
Surface acoustic wave device thermal factors  
Surface acoustic wave devices  
Surface acoustic wave directional couplers  
Surface acoustic wave filters  
Surface acoustic wave materials  
Surface acoustic wave oscillators  
Surface acoustic wave pulse compression  
Surface acoustic wave resonator filters  
Surface acoustic wave resonators  
Surface acoustic wave signal processing  
Surface acoustic wave transducers  
Surface acoustic waves  
Surface charging  
Surface cleaning  
Surface contamination  
Surface discharges  
Surface fitting  
Surface mounting  
Surface treatment  
Surface waves  
Surfaces  
Surface-emitting lasers  
Surge protection  
Surgery

Surges  
    "Arresters" was used  
Surveillance  
Surveillance radar+ ==> Instead use  
    Search radar  
Susceptibility (magnetic)+ ==> Instead use  
    Magnetic susceptibility  
Switched capacitor circuits  
Switched capacitor filters  
Switched circuits  
Switched filters  
Switched mode power supplies  
Switched resistor circuits  
Switched resistor filters  
Switched systems  
Switches  
Switchgear  
Switchgear testing  
Switching amplifiers  
Switching circuits  
Switching functions  
Switching regulators+ ==> Instead use  
    DC-DC power conversion  
Switching systems  
Switching transients  
Symbol manipulation  
Symbolic computation+ ==> Instead use  
    Symbol manipulation  
Symbols  
Synchrocyclotrons  
Synchronization  
Synchronous detection  
Synchronous digital hierarchy  
Synchronous generator excitation  
Synchronous generator stability  
Synchronous generator transient analysis  
Synchronous generators  
Synchronous machines  
Synchronous motor drives  
Synchronous motor protection  
Synchronous motors  
Synchronous optical network+ ==> Instead use  
    SONET  
Synchrophasotrons+ ==> Instead use  
    Synchrocyclotrons  
Synchrotron radiation  
Synchrotrons  
Synthetic aperture imaging  
    SN For radar imaging, use "Synthetic aperture radar"  
    SN For sonar imaging, use "Synthetic aperture sonar"  
Synthetic aperture radar  
Synthetic aperture sonar  
System analysis and design  
System availability+ ==> Instead use  
    Availability

System engineering education+ ==> Instead use  
Systems engineering education

System identification+ ==> Instead use  
Identification

System modeling+ ==> Instead use  
Modeling

System planning+ ==> Instead use  
Planning

System recovery

System reliability+ ==> Instead use  
Reliability

System software

Systems engineering

Systems engineering education

Systolic arrays

Table lookup

Tachometers

Tactile displays

Tactile sensors

Tactile system

Tactile systems (nonbiological)

Tamed frequency modulation+ ==> Instead use  
Continuous phase modulation

Tape recording+ ==> Instead use  
Magnetic tape recording

Taps+ ==> Instead use  
Optical couplers

Target detection+ ==> Instead use  
Object detection

Target detection (aircraft)+ ==> Instead use  
Aircraft detection and tracking

Target detection (marine vehicle)+ ==> Instead use  
Marine vehicle detection and tracking

Target detection (missile)+ ==> Instead use  
Missile detection and tracking

Target recognition+ ==> Instead use  
Object recognition

Target recognition (radar)+ ==> Instead use  
Radar target recognition

Target recognition (sonar)+ ==> Instead use  
Sonar target recognition

TDM+ ==> Instead use  
Time division multiplexing

TDMA+ ==> Instead use  
Time division multiaccess

TEA lasers+ ==> Instead use  
Gas lasers

Teaching+ ==> Instead use  
Education

Team theory+ ==> Instead use  
Distributed decision-making

Technical communication+ ==> Instead use  
Professional communication

Technical journals+ ==> Instead use  
Journals

Technical manuals+ ==> Instead use  
Manuals

Technical meetings+ ==> Instead use  
Meetings

Technical proposals+ ==> Instead use  
Proposals

Technical reports+ ==> Instead use  
Writing

Technical writing+ ==> Instead use  
Writing

Technician training+ ==> Instead use  
Training

Technological innovation

Technology

Technology assessment

Technology forecasting

Technology planning

Technology social factors

Technology transfer

Telecommunication+ ==> Instead use  
Communication systems

Teleconferencing

Telegraphy

Telemetry

Telephone equipment

Telephone exchanges

Telephone sets

Before 1995, "Telephone systems" and "Communication terminals" were used

Telephony

Teleprinting

Telerobotics

Telescopes

Teletext

Television+ ==> Instead use  
TV

Teleworking

Tellurium

Tellurium alloys

Tellurium compounds

Temperature

Temperature control

Temperature measurement

Temporal databases

Temporal logic

Temporal reasoning

Terbium

Terbium alloys

Terbium compounds

Terminology

Ternary logic+ ==> Instead use  
Multivalued logic

Terrain factors

Terrain mapping

Terrestrial atmosphere

Tessellation automata+ ==> Instead use

Cellular automata  
Test equipment  
Test facilities  
Testing  
Text communication  
Text processing  
Text recognition  
Textile industry  
Theorem proving  
Therapy+ ==> Instead use  
    Medical treatment  
Thermal converters  
Thermal energy storage  
Thermal factors  
Thermal image sensors+ ==> Instead use  
    Infrared image sensors  
Thermal power generation  
Thermal variables control  
Thermal variables measurement  
Thermal wave imaging+ ==> Instead use  
    Photothermal effects  
Thermally stimulated currents  
Thermionic emission  
Thermionic energy conversion  
Thermistors  
Thermochromism+ ==> Instead use  
    Thermooptic effects  
Thermoelasticity  
Thermoelectric devices  
Thermoelectric effect+ ==> Instead use  
    Thermoelectricity  
Thermoelectric energy conversion  
Thermoelectricity  
Thermoluminescence  
Thermomagnetic factors+ ==> Instead use  
    Magnetic thermal factors  
Thermomagnetic recording  
Thermonuclear fusion+ ==> Instead use  
    Fusion reactors  
Thermooptic effects  
Thermoreflectance+ ==> Instead use  
    Thermooptic effects  
Thermoresistivity  
Thermosonic bonding+ ==> Instead use  
    Acoustic bonding  
Thick film capacitors  
Thick film circuit bonding  
Thick film circuit fabrication  
    SN Use for commercial and noncommercial processes.  
Thick film circuit interconnections  
Thick film circuit packaging  
Thick film circuit reliability  
Thick film circuit thermal factors  
Thick film circuits  
Thick film devices

Thick film inductors  
Thick film resistors  
Thick films  
Thickness control  
Thickness measurement  
Thin film capacitors  
Thin film circuit bonding  
Thin film circuit fabrication  
    SN Use for commercial and noncommercial processes  
Thin film circuit interconnections  
Thin film circuit packaging  
Thin film circuit reliability  
Thin film circuit thermal factors  
Thin film circuits  
Thin film devices  
Thin film inductors  
Thin film resistors  
Thin film transistors  
Thin film waveguides+ ==> Instead use  
    Optical planar waveguides  
Thin films  
Three-dimensional displays  
Three-dimensional vision+ ==> Instead use  
    Stereo vision  
Threshold decoding  
Threshold logic  
Threshold logic circuits  
Threshold logic devices  
Threshold logic functions  
Throughput (communication systems)+ ==> Instead use  
    Information rates  
Thulium  
Thulium alloys  
Thulium compounds  
Thyratrons  
Thyristor applications  
Thyristor circuits  
Thyristor converters  
Thyristor motor drives  
Thyristors  
Tidal power generation  
Tides  
Tightly coupled microprocessors+ ==> Instead use  
    Shared memory systems  
Tightly coupled multiprocessors+ ==> Instead use  
    Shared memory systems  
Time delay+ ==> Instead use  
    Delay effects  
Time difference of arrival estimation+ ==> Instead use  
    Delay estimation  
Time dissemination  
Time division multiaccess  
Time division multiplexing  
Time division switching  
Time domain analysis

Time domain measurements  
Time domain reflectometry  
Time measurement  
Time of arrival estimation+ ==> Instead use  
    Delay estimation  
Time optimal control  
Time oriented databases+ ==> Instead use  
    Temporal databases  
Time projection chambers+ ==> Instead use  
    Projection chambers  
Time series  
Time synchronization+ ==> Instead use  
    Synchronization  
Time-frequency analysis  
    analysis" were used. In 1994, "Time-domain analysis" was used  
Time-sharing computer systems  
Time-varying channels  
Time-varying circuits  
Time-varying filters  
Time-varying systems  
Timing  
Timing circuits  
Timing jitter  
Tin  
Tin alloys  
Tin compounds  
Tire manufacture+ ==> Instead use  
    Rubber industry  
Tissues (biological)+ ==> Instead use  
    Biological tissues  
Titanium  
Titanium alloys  
Titanium compounds  
Toeplitz matrices  
Tokamaks  
Token networks  
Tolerance analysis  
Tomography  
Topography+ ==> Instead use  
    Surfaces  
Topography (earth)+ ==> Instead use  
    Terrain mapping  
Topology  
Torque  
Torque control  
Torque measurement  
Torso  
Touch sensors+ ==> Instead use  
    Tactile sensors  
Towers+ ==> Instead use  
    Poles and towers  
TR devices+ ==> Instead use  
    Radar equipment+ ==> Instead use  
    Switches  
Tracking

Tracking filters  
Tracking loops  
Traction motor drives  
Traction motor protection  
Traction motors  
Trade+ ==> Instead use  
    Business  
Trade (international)+ ==> Instead use  
    International trade  
Trademarks  
Traffic control (communication)  
Traffic control (transportation)  
Traffic information systems  
Training  
Transceivers  
Transconductors+ ==> Instead use  
    Transducers  
Transducers  
Transfer function matrices  
Transfer functions  
Transfer standards  
Transferred electron devices+ ==> Instead use  
    Gunn devices  
Transform coding  
Transformer cores  
Transformer oil+ ==> Instead use  
    Oil insulation  
Transformer windings  
Transformers  
Transforms  
Transient analysis  
Transient gratings+ ==> Instead use  
    Gratings  
Transient propagation  
Transient response  
Transient scattering  
Transient stability+ ==> Instead use  
    Power system transient stability  
Transistors  
Transistor-transistor logic  
Transition metal alloys  
Transition metal compounds  
Transition metals  
Transmission coefficient measurement+ ==> Instead use  
    Scattering parameters measurement  
Transmission line circuits+ ==> Instead use  
    Distributed parameter circuits  
Transmission line discontinuities  
Transmission line filters+ ==> Instead use  
    Distributed parameter filters  
Transmission line matrix methods  
Transmission line measurements  
Transmission line resonators  
Transmission line theory  
Transmission lines

Transmission of electric power+ ==> Instead use  
    Power transmission

Transmitters

Transmitting antennas

Transmultiplexing

Transponders

Transport protocols

Transportation

Transportation networks+ ==> Instead use  
    Networks

Transversal filters

Transverse wave tubes+ ==> Instead use  
    Traveling wave tubes

Transversely excited lasers+ ==> Instead use  
    Gas lasers

Trapping+ ==> Instead use  
    Charge carrier processes

Traveling salesman problems

Traveling wave amplifiers

Traveling wave antennas

Traveling wave arrays

Traveling wave devices

Traveling wave lasers+ ==> Instead use  
    Ring lasers

Traveling wave tubes

Tree codes

Tree data structures

Tree searching

Trees (botanical)+ ==> Instead use  
    Vegetation

Trees (graphs)

Trees (insulation)

Trellis coded modulation

Trellis codes

Triacs+ ==> Instead use  
    Thyristors

Triboelectricity

Trigger circuits

Triggering

Trigonometric functions+ ==> Instead use  
    Periodic functions

Tritium

Tropical regions

Troposphere+ ==> Instead use  
    Terrestrial atmosphere

Truncation errors+ ==> Instead use  
    Finite wordlength effects

Truth maintenance

TSC+ ==> Instead use  
    Thermally stimulated currents

TTL+ ==> Instead use  
    Transistor-transistor logic

Tubes+ ==> Instead use  
    Electron tubes

Tumors

Tunable amplifiers  
Tunable circuits and devices  
Tunable filters  
Tunable oscillators  
Tuners  
Tungsten  
Tungsten alloys  
Tungsten compounds  
Tuning  
Tunnel diode amplifiers  
Tunnel diode circuits  
Tunnel diode oscillators  
Tunnel diodes  
Tunnel effect+ ==> Instead use  
    Tunneling  
Tunnel transistors  
Tunneling  
Turbines  
Turbogenerators  
Turbulent media+ ==> Instead use  
    Random media  
Turing machines  
TV  
TV broadcasting  
TV cameras  
TV displays  
TV distortion  
TV equipment  
TV image sensors  
TV imaging  
TV interference  
TV picture tubes+ ==> Instead use  
    TV displays  
TV receiver audio systems  
TV receiver circuits  
TV receiver deflection circuits+ ==> Instead use  
    TV displays  
TV receiver signal processing+ ==> Instead use  
    Video signal processing  
TV receiver sound systems+ ==> Instead use  
    TV receiver audio systems  
TV receiver tuners  
TV receivers  
TV surveillance systems  
TV transmitters  
Twisted pair cables  
Two-manipulator systems+ ==> Instead use  
    Multiple manipulators  
Two-port circuits  
TWT+ ==> Instead use  
    Traveling wave tubes  
Typesetting  
UHF amplifiers  
UHF antennas  
UHF attenuators

UHF bipolar integrated circuits  
UHF bipolar transistor amplifiers  
UHF bipolar transistor oscillators  
UHF bipolar transistors  
UHF circuits  
UHF circulators  
UHF communication  
UHF couplers  
UHF detectors  
UHF devices  
UHF diodes  
UHF directional couplers  
UHF FET amplifiers  
UHF FET integrated circuits  
UHF FET oscillators  
UHF FETs  
UHF filters  
UHF frequency conversion  
UHF generation  
UHF integrated circuits  
UHF isolators  
UHF measurements  
UHF mixers  
UHF modulation  
UHF oscillators  
UHF phase shifters  
UHF power amplifiers  
UHF power bipolar transistor amplifiers  
UHF power bipolar transistors  
UHF power FET amplifiers  
UHF power FETs  
UHF propagation  
UHF radiation effects+ ==> Instead use  
    Electromagnetic radiation effects  
UHF radio communication  
UHF radio propagation  
UHF radio propagation meteorological factors  
UHF radio propagation terrain factors  
UHF radiometry  
UHF receivers  
UHF repeaters  
UHF resonator filters  
UHF resonators  
UHF spectroscopy  
UHF switches  
UHF technology  
UHF transistors  
UHF transmitters  
UHF tubes  
UHF waveguides  
UHV cables+ ==> Instead use  
    UHV transmission lines  
UHV circuit breakers  
UHV insulation  
UHV insulators

UHV measurements  
UHV substations  
UHV switches  
UHV transformers  
UHV transmission  
UHV transmission lines  
ULSI+ ==> Instead use  
    Ultra-large-scale integration  
Ultrafast electronics  
Ultrafast optics  
Ultrasonic applications+ ==> Instead use  
    Acoustic applications  
Ultrasonic devices+ ==> Instead use  
    Acoustic devices  
Ultrasonics+ ==> Instead use  
    Acoustics  
Ultraviolet detectors  
Ultraviolet generation  
Ultraviolet imaging  
Ultraviolet lithography+ ==> Instead use  
    Photolithography  
Ultraviolet propagation+ ==> Instead use  
    Optical propagation  
Ultraviolet pulses+ ==> Instead use  
    Optical pulses  
Ultraviolet radiation effects  
Ultraviolet radiometry  
Ultraviolet spectroscopy  
Ultra-high-frequency amplifiers+ ==> Instead use  
    UHF amplifiers  
Ultra-high-frequency antennas+ ==> Instead use  
    UHF antennas  
Ultra-high-frequency attenuators+ ==> Instead use  
    UHF attenuators  
Ultra-high-frequency bipolar integrated circuits+ ==> Instead use  
    UHF bipolar integrated circuits  
Ultra-high-frequency bipolar transistor amplifiers+ ==> Instead use  
    UHF bipolar transistor amplifiers  
Ultra-high-frequency bipolar transistor oscillators+ ==> Instead use  
    UHF bipolar transistor oscillators  
Ultra-high-frequency bipolar transistors+ ==> Instead use  
    UHF bipolar transistors  
Ultra-high-frequency circuits+ ==> Instead use  
    UHF circuits  
Ultra-high-frequency circulators+ ==> Instead use  
    UHF circulators  
Ultra-high-frequency communication+ ==> Instead use  
    UHF communication  
Ultra-high-frequency couplers+ ==> Instead use  
    UHF couplers  
Ultra-high-frequency detectors+ ==> Instead use  
    UHF detectors  
Ultra-high-frequency devices+ ==> Instead use  
    UHF devices  
Ultra-high-frequency diodes+ ==> Instead use

UHF diodes  
Ultra-high-frequency directional couplers+ ==> Instead use  
UHF directional couplers  
Ultra-high-frequency FET amplifiers+ ==> Instead use  
UHF FET amplifiers  
Ultra-high-frequency FET integrated circuits+ ==> Instead use  
UHF FET integrated circuits  
Ultra-high-frequency FET oscillators+ ==> Instead use  
UHF FET oscillators  
Ultra-high-frequency FETs+ ==> Instead use  
UHF FETs  
Ultra-high-frequency filters+ ==> Instead use  
UHF filters  
Ultra-high-frequency frequency conversion+ ==> Instead use  
UHF frequency conversion  
Ultra-high-frequency generation+ ==> Instead use  
UHF generation  
Ultra-high-frequency integrated circuits+ ==> Instead use  
UHF integrated circuits  
Ultra-high-frequency isolators+ ==> Instead use  
UHF isolators  
Ultra-high-frequency measurements+ ==> Instead use  
UHF measurements  
Ultra-high-frequency mixers+ ==> Instead use  
UHF mixers  
Ultra-high-frequency modulation+ ==> Instead use  
UHF modulation  
Ultra-high-frequency oscillators+ ==> Instead use  
UHF oscillators  
Ultra-high-frequency phase shifters+ ==> Instead use  
UHF phase shifters  
Ultra-high-frequency power amplifiers+ ==> Instead use  
UHF power amplifiers  
Ultra-high-frequency power bipolar transistor amplifiers+ ==> Instead use  
UHF power bipolar transistor amplifiers  
Ultra-high-frequency power bipolar transistors+ ==> Instead use  
UHF power bipolar transistors  
Ultra-high-frequency power FET amplifiers+ ==> Instead use  
UHF power FET amplifiers  
Ultra-high-frequency power FETs+ ==> Instead use  
UHF power FETs  
Ultra-high-frequency propagation+ ==> Instead use  
UHF propagation  
Ultra-high-frequency radiation effects+ ==> Instead use  
Electromagnetic radiation effects  
Ultra-high-frequency radio communication+ ==> Instead use  
UHF radio communication  
Ultra-high-frequency radio propagation+ ==> Instead use  
UHF radio propagation  
Ultra-high-frequency radio propagation meteorological factors+ ==> Instead use  
UHF radio propagation meteorological factors  
Ultra-high-frequency radio propagation terrain factors+ ==> Instead use  
UHF radio propagation terrain factors  
Ultra-high-frequency radiometry+ ==> Instead use  
UHF radiometry

Ultra-high-frequency receivers+ ==> Instead use  
UHF receivers

Ultra-high-frequency repeaters+ ==> Instead use  
UHF repeaters

Ultra-high-frequency resonator filters+ ==> Instead use  
UHF resonator filters

Ultra-high-frequency resonators+ ==> Instead use  
UHF resonators

Ultra-high-frequency spectroscopy+ ==> Instead use  
UHF spectroscopy

Ultra-high-frequency switches+ ==> Instead use  
UHF switches

Ultra-high-frequency technology+ ==> Instead use  
UHF technology

Ultra-high-frequency transistors+ ==> Instead use  
UHF transistors

Ultra-high-frequency transmitters+ ==> Instead use  
UHF transmitters

Ultra-high-frequency tubes+ ==> Instead use  
UHF tubes

Ultra-high-frequency waveguides+ ==> Instead use  
UHF waveguides

Ultra-high-speed integrated circuits

Ultra-high-voltage circuit breakers+ ==> Instead use  
UHV circuit breakers

Ultra-high-voltage insulation+ ==> Instead use  
UHV insulation

Ultra-high-voltage insulators+ ==> Instead use  
UHV insulators

Ultra-high-voltage measurements+ ==> Instead use  
UHV measurements

Ultra-high-voltage substations+ ==> Instead use  
UHV substations

Ultra-high-voltage switches+ ==> Instead use  
UHV switches

Ultra-high-voltage transformers+ ==> Instead use  
UHV transformers

Ultra-high-voltage transmission+ ==> Instead use  
UHV transmission

Ultra-high-voltage transmission lines+ ==> Instead use  
UHV transmission lines

Ultra-large-scale integration

Umbrella antennas

Uncertain systems

Uncertainty

Underground antennas+ ==> Instead use  
Buried antennas

Underground communication cables+ ==> Instead use  
Wire communication cables

Underground electromagnetic propagation

Underground object detection+ ==> Instead use  
Buried object detection

Underground power distribution lines

Underground power transmission lines

Underwater acoustic arrays

Underwater acoustic communication  
Underwater acoustic measurements  
Underwater acoustic propagation  
Underwater acoustic telemetry  
Underwater acoustic transducers  
Underwater acoustics  
Underwater antennas  
Underwater cables  
Underwater communication  
Underwater communication cables  
Underwater electrical equipment  
Underwater electromagnetic propagation+ ==> Instead use  
    Underwater radio propagation  
Underwater electronic equipment  
Underwater equipment  
Underwater object detection  
Underwater optical communication  
Underwater optical propagation  
Underwater power cables  
Underwater radio communication  
Underwater radio propagation  
Underwater structures  
Underwater technology  
Underwater vehicle communication  
Underwater vehicle control  
Underwater vehicle detection and tracking  
Underwater vehicle electrical systems+ ==> Instead use  
    Underwater vehicle power systems  
Underwater vehicle electronics  
Underwater vehicle maintenance  
Underwater vehicle power systems  
Underwater vehicle propulsion  
Underwater vehicle reliability  
Underwater vehicle testing  
Underwater vehicles  
Underwater work systems  
Undulators  
Unijunction transistors  
Uninterruptible power systems  
Unit commitment+ ==> Instead use  
    Power generation dispatch  
United States  
Units (measurement)+ ==> Instead use  
    Measurement units  
Universal motors  
Universal product codes+ ==> Instead use  
    Bar codes  
Universities+ ==> Instead use  
    Education  
Unsupervised learning  
Uranium  
Uranium alloys  
Uranium compounds  
Urban areas  
Urinary system

US+ ==> Instead use  
    United States  
User centered design  
    methodology" was used  
User interface human factors  
User interface management systems  
User interfaces  
User modeling  
    SN Use for modeling of, rather than by, user  
Utility programs  
Vacuum arcs  
Vacuum breakdown  
Vacuum circuit breakers  
Vacuum contactors  
Vacuum control  
Vacuum insulation  
Vacuum interrupters  
Vacuum measurement  
Vacuum microelectronics  
Vacuum switches  
Vacuum systems  
Vacuum technology  
Vacuum tubes+ ==> Instead use  
    Electron tubes  
Valves  
Van de Graaff accelerators  
Van der Pol oscillators+ ==> Instead use  
    Nonlinear oscillators  
Vanadium  
Vanadium alloys  
Vanadium compounds  
Vapor deposition  
VAR+ ==> Instead use  
    Reactive power  
Varactor tuners  
Varactors  
Variable length codes  
Variable parameter circuits+ ==> Instead use  
    Time-varying circuits  
Variable rate codes  
Variable speed drives  
Variable structure systems  
Variational methods  
Varistors  
Varnish insulation  
VCG+ ==> Instead use  
    Vectorcardiography  
VCR+ ==> Instead use  
    Video recording  
Vector processing  
Vector quantization  
Vectorcardiography  
Vectors  
Vegetation  
Vegetation mapping

Vehicles  
Veins+ ==> Instead use  
    Blood vessels  
Velocity control  
Velocity measurement  
Ventilation  
Vertex detectors  
Vertical take-off and landing aircraft+ ==> Instead use  
    Helicopters  
Very-high-frequency amplifiers+ ==> Instead use  
    VHF amplifiers  
Very-high-frequency antennas+ ==> Instead use  
    VHF antennas  
Very-high-frequency circuits+ ==> Instead use  
    VHF circuits  
Very-high-frequency devices+ ==> Instead use  
    VHF devices  
Very-high-frequency filters+ ==> Instead use  
    VHF filters  
Very-high-frequency measurements+ ==> Instead use  
    VHF measurements  
Very-high-frequency oscillators+ ==> Instead use  
    VHF oscillators  
Very-high-frequency radiation effects+ ==> Instead use  
    Electromagnetic radiation effects  
Very-high-frequency radio communication+ ==> Instead use  
    VHF radio communication  
Very-high-frequency radio propagation+ ==> Instead use  
    VHF radio propagation  
Very-high-frequency radio propagation meteorological factors+ ==> Instead use  
    VHF radio propagation meteorological factors  
Very-high-frequency radio propagation terrain factors+ ==> Instead use  
    VHF radio propagation terrain factors  
Very-high-frequency receivers+ ==> Instead use  
    VHF receivers  
Very-high-frequency repeaters+ ==> Instead use  
    VHF repeaters  
Very-high-frequency resonator filters+ ==> Instead use  
    VHF resonator filters  
Very-high-frequency resonators+ ==> Instead use  
    VHF resonators  
Very-high-frequency transmitters+ ==> Instead use  
    VHF transmitters  
Very-high-speed integrated circuits  
Very-large-scale integration  
VHF amplifiers  
VHF antennas  
VHF circuits  
VHF devices  
VHF filters  
VHF measurements  
VHF oscillators  
VHF radar  
VHF radiation effects+ ==> Instead use  
    Electromagnetic radiation effects

VHF radio communication  
VHF radio propagation  
VHF radio propagation meteorological factors  
VHF radio propagation terrain factors  
VHF receivers  
VHF repeaters  
VHF resonator filters  
VHF resonators  
VHF transmitters  
VHSIC+ ==> Instead use  
    Very-high-speed integrated circuits  
Vibration control  
Vibration measurement  
Vibrations  
Video+ ==> Instead use  
    TV  
Video cameras  
Video codecs  
Video coding  
    processing" were used  
Video equipment  
Video games+ ==> Instead use  
    Games  
Video on demand+ ==> Instead use  
    Interactive TV  
Video recording  
Video reviews  
Video signal processing  
Videoconferencing+ ==> Instead use  
    Teleconferencing  
Videophone systems  
Videotex  
Vidicons+ ==> Instead use  
    TV cameras  
Viewdata+ ==> Instead use  
    Videotex  
Virtual computers  
Virtual memories  
Virtual office+ ==> Instead use  
    Teleworking  
Virtual reality  
Viruses (microorganisms)+ ==> Instead use  
    Microorganisms  
Viruses (computer)+ ==> Instead use  
    Computer viruses  
Vision systems (nonbiological)+ ==> Instead use  
    Machine vision  
Visual evoked potentials+ ==> Instead use  
    Bioelectric potentials  
Visual instructional aids+ ==> Instead use  
    Educational technology  
Visual languages  
Visual programming  
    were used  
Visual system

Visualization  
Viterbi decoding  
Viterbi detection  
Viterbi estimation  
VLSI+ ==> Instead use  
    Very-large-scale integration  
Vocal system  
Vocoders  
Voice+ ==> Instead use  
    Vocal system  
Voice mail  
Voice response systems+ ==> Instead use  
    Speech synthesis  
Voltage  
Voltage breakdown+ ==> Instead use  
    Dielectric breakdown  
Voltage collapse+ ==> Instead use  
    Power system dynamic stability  
Voltage control  
Voltage controlled oscillators  
Voltage dividers  
Voltage measurement  
Voltage multipliers  
Voltage regulation+ ==> Instead use  
    Voltage control  
Voltage stability+ ==> Instead use  
    Power system dynamic stability  
Voltage transformers  
Voltage-frequency conversion  
Volterra filters+ ==> Instead use  
    Nonlinear filters  
Volterra integral equations  
Volterra series  
Voltmeters  
Volume measurement  
VSWR measurement+ ==> Instead use  
    Standing wave measurements  
VTOL aircraft+ ==> Instead use  
    Helicopters  
VTR+ ==> Instead use  
    Video recording  
Wafer bonding  
Wafer-scale integration  
Walsh analysis  
Walsh filters  
Warning systems+ ==> Instead use  
    Alarm systems  
Waste materials  
Water  
Water heating  
Water pollution  
Water resources  
Water trees+ ==> Instead use  
    Trees (insulation)  
Watt-hour meters

Wattmeters  
Wave diffraction+ ==> Instead use  
    Diffraction  
Wave digital filters  
Wave equations+ ==> Instead use  
    Propagation  
Wave functions  
Wave propagation+ ==> Instead use  
    Propagation  
Wave scattering+ ==> Instead use  
    Scattering  
Waveform analysis+ ==> Instead use  
    Signal analysis  
Waveform generators+ ==> Instead use  
    Signal generators  
Waveforms+ ==> Instead use  
    Signals  
Waveguide antennas  
Waveguide arrays  
Waveguide attenuators  
Waveguide bends  
Waveguide components  
Waveguide couplers  
Waveguide discontinuities  
Waveguide excitation  
Waveguide filters  
Waveguide junctions  
Waveguide mounts  
Waveguide obstacles+ ==> Instead use  
    Waveguide discontinuities  
Waveguide switches  
Waveguide theory  
Waveguide transitions  
Waveguides  
Wavelength division multiplexing  
Wavelength measurement  
Wavelet transforms  
Waves  
    SN    Use only for treatment of general wave phenomena  
WDM+ ==> Instead use  
    Wavelength division multiplexing  
Weapons  
Wear  
Weather+ ==> Instead use  
    Meteorology  
Weather forecasting  
Wedges  
Weibull distributions  
Weight control  
Weight measurement  
Welding  
Wheelchairs+ ==> Instead use  
    Handicapped aids  
Wheeling+ ==> Instead use  
    Power system economics

White noise  
Wide area networks  
Wiener filtering  
Wiener processes  
Wiener-Hopf theory  
Wiggler magnets+ ==> Instead use  
    Undulators  
Wigner distributions  
Wind  
Wind energy  
Wind power generation  
Wind tunnels  
Winding wire+ ==> Instead use  
    Magnet wire  
Windings  
Wire  
Wire antennas  
Wire chambers+ ==> Instead use  
    Ionization chambers  
Wire communication  
Wire communication cables  
Wire communication interference  
Wire insulation  
Wire scatterers  
Wire telemetry+ ==> Instead use  
    Telemetry  
Wireless LAN  
Wiring  
Wood industry  
Wood poles+ ==> Instead use  
    Poles and towers  
Word processing+ ==> Instead use  
    Text processing  
Work function  
Workstation human factors  
Workstations  
Wound rotor motors+ ==> Instead use  
    Induction motors  
Write once memories  
Writing  
Xenon  
Xerography+ ==> Instead use  
    Electrophotography  
XLPE insulation+ ==> Instead use  
    Cross linked polyethylene insulation  
X-ray angiocardiology  
X-ray applications  
X-ray astronomy  
X-ray astronomy detectors  
X-ray cardiology  
X-ray chemical analysis  
X-ray chest imaging  
X-ray detectors  
X-ray effects  
X-ray image sensors

X-ray imaging  
X-ray lasers  
X-ray lithography  
X-ray measurements  
X-ray production  
X-ray scattering  
X-ray spectroscopy  
X-ray spectroscopy detectors  
X-ray tomography  
X-rays  
YAG lasers  
Yagi-Uda arrays  
Yield estimation  
Yield optimization  
YIG filters  
Ytterbium  
Ytterbium alloys  
Ytterbium compounds  
Yttrium  
Yttrium alloys  
Yttrium compounds  
Yttrium lasers  
Z transforms  
Zener diodes  
Zero assignment  
Zeros+ ==> Instead use  
    Poles and zeros  
Zero-crossing problems+ ==> Instead use  
    Level-crossing problems  
Zinc  
Zinc alloys  
Zinc compounds  
Zirconium  
Zirconium alloys  
Zirconium compounds

--- End of 1998 IEEE Keywords List ---