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Title word cross-reference

16 [NMR+84]. $_2$ [KKLS83, SCWB84]. k [RWJ86]. L [San81a]. M [Kav84, Yue80b, Kav85a]. μ [GAB+80, LTT+83, SB80, TZD+83, HFE85, RCS86]. μm^2 [NMR+84]. N [Sal80].

-ary [Kav84, Yue80b]. **-Asymptotically** [San81a]. **-means** [RWJ86]. **-quadrature** [Kav85a]. **-Way** [Sal80].

1 [BMD84, Dos83, Fle84, Fre82, GLM82, Jag82a, Jag85b, PR86, SJ85, WC85]. **1.2-** [LTT+83]. **1.3-** [HFE85, TZD+83]. **1.38-** [SB80]. **1.5-** [LTT+83]. **1/1A** [GLM82]. **10-Year** [LBP80]. **100-GHz** [Sem85]. **105D** [Lie82]. **10A** [ACSW82, AFS82, AFHS82, BDL82b, BDL+83, BNS82, JKT82, KMM82, NS82]. **12-GHz** [Aca81b]. **16-ary** [Pra80]. **16-QAM** [FPQ+84]. **1982/83** [CCD+84, HLL+84]. **1A** [BHS82, BKV82, CS82, GKW82, GLM82, Nus82, Wor82]. **1B** [ADRW83, AM80, BW83a, BDV83, CHTW83, CS83, DVW83, DM83, GKS83, HHS83a, SC83].

2 [CR82]. **20-Mb** [Wan83]. **20-Mb/s** [Wan83]. **200-Hz** [WCS81]. **255** [McN80].

30-MHz [WCS81]. **32-kb** [BBDS86]. **32-kb/s** [BBDS86]. **370** [FMM84]. **3B20** [EC83]. **3B20D** [BS83a, BW83b, EC83, GCD83, HP83a, HPW83, HK83, KAM83, KM83, KBF83, MBD+83, QEG83, RBH83, RW83, Sca83, TG83, YMNW83].

4-GHz [Wan83]. **4-Wire** [WPG87]. **47A** [Lon80]. **48-Bit** [Rob82].

56-kb [DGH+82]. **56-kb/s** [DGH+82]. **5ESS** [BHK+85, CCG+85, CP86, DFOS85, DHK89, FGNS85, HLRW85, HPS86, MMTV84].

630 [BM87].

75 [AK88, BBB+85].

800 [BBM87, CMN84]. **800-MHz** [CMN83, CMN84].

9.6-kb [CCJS82]. **9.6-kb/s** [CCJS82]. **90-Mb** [FPQ+84]. **90-Mb/s** [FPQ+84]. **96** [AS84a, BH84a, BBB+84, Can81, COW82, LOS84, MMTV84, MSO84].

Abbreviating [SAT83]. **Abbreviations** [Ano81a, Ano81b, Ano82f, Ano82a, Ano82b, Ano82c, Ano82d, Ano82e, Ano83a, Ano83b, Ano83c, Ano83d, Ano83e]. **ability** [Wil85]. **above** [Ber84]. **Absenteeism** [Var81]. **absorption** [SCWB84]. **abstraction** [Str84]. **accelerated** [JLN+85]. **Access** [ANSW82, Hey82, LDGF82, Pfe80, WA88, WPG87, Yue80a, BCW86, DS84, Kam89b, Kam89a]. **accuracy** [You84]. **Accurate** [LMM81]. **Achieving** [Pet86, CC88]. **Acoustic** [Fla80, MF82, SBD82]. **Acquisition** [BGGW83, HLL+84]. **Acronyms** [Ano81a, Ano81b, Ano82f, Ano82a, Ano82b, Ano82c, Ano82d, Ano82e, Ano83a, Ano83b, Ano83c, Ano83d, Ano83e]. **Active** [AFPP82, Tow83]. **activities** [MM85]. **Activity** [Smi83]. **Adaptive** [BJM+81, FPQ+84, Feu83, GL81, GMW82, JC80, Jay81a, LM81b, Mue81a, Pha82, Pir82, SS83, SA81b, SB83, GY85, RJ84]. **Added** [GNS+81]. **Adding** [IST+83]. **Address** [Ein80, Rei81]. **Addressable** [Roo82]. **Adjacent** [Yue80b]. **Adjustment** [Mue81b]. **Administration** [BDL+82a, CF88, Nea80, ST82, WH82, YMNW83, FGNS85]. **Administrative** [BM82b, HSS82]. **admission** [RS85b]. **Admittance** [WCS81]. **ADPCM** [BBDS86, Jay81a, Jay83, RJ84]. **Advances** [Li87]. **Affecting** [Rab82]. **after** [Log84d, Log84b, Log84c]. **age** [Ber84]. **aging** [JLN+85]. **Aided** [MS81]. **Aids** [War80]. **Airline** [LS80c]. **AKM** [SS86]. **Al** [DJ80]. **Algebraic** [Lee83, Yoo85]. **Algorithm** [GMW82, Hen81, IG82, MR83, MS82, Mor82, Str83, Sze82, Aga89, LF84, Tur85, WRM84]. **Algorithms** [GM87, Hon83, Kar83, Mue81a, Mue81b, MR81, NS85, Rab82, San80, San81b, HHL89, KLSW89]. **Allocation** [Elk80, GL80, SA81a, CV85]. **Almost** [SA85]. **Almost-periodic** [SA85]. **altering** [Fos85]. **Alternative** [Sun83a]. **Alternatives** [Koo80, FW88]. **America** [ACL88]. **American** [Rei85]. **Amplifier** [BCHR83, HHS83b, LFG82, Tow83]. **Amplifiers** [SS83, Min84]. **Amplitude** [Aca81a, Kar83, Log83a, SW80, Kav85a]. **Amplitude-Equalizing** [Kar83]. **amplitude-modulated** [Kav85a]. **Analog** [CT83, CBB+87, Fla80, JCMQ83, LM81b, CCD+84]. **Analog/Digital** [LM81b]. **Analysis** [Aca81a, AK88, BH84b, BB87, BS83b, BS83c, CP83a, CB81, Dos85, FH88, FH80, FLGD83, GH82, Gre85, Hey82, Hey83, HTB83, Hon84, JCV80, JCV83, Kum83, Kur80, Lon80, MR83, Maz80, Mor80a, MY83, RWA81, RD82, Sal82, WM83, Yum80, BC85, Ben84, BGGN+86, Fle84, Fre86, Lo87, MS84, WM88]. **Analysis/simulation** [Gre85]. **Analytical**

[Ram88, Sha85]. **Analyzer** [Whi83b, Whi83c]. **Analyzing** [Gri83, RM82]. **Angle** [TA82, Sil84]. **Announcement** [ABC+81, FKSW81]. **Announcements** [RB82]. **Answers** [ND81]. **Antenna** [But81, Sem80, Sem83a, Sem83b, Sha85, Sil84]. **Antennas** [Dra81a]. **Anti** [Mea80]. **Anti-Sidetone** [Mea80]. **Antireflection** [Cla83, Eis84]. **Aperture** [JC80, Kum80]. **Application** [ALS80, BGK+86, Elk80, LRS83, MZ82, RLS83, Rub82, Str83, WC85, Yum80, CK88, Jag85a, JLR+86, Leu86, Lo87, Rab84, RWT84, RSL84, Sha85]. **Applications** [AT&T86, Bod81, BO85, DKW88, Dut89, EH82, HTB83, Hol83, LBHB83, MBD+83, MS82, NS87, Nuc81, RCS86, RS88, Var81, BLT89, Hin87, PR86, SCS85, SP89]. **Applied** [Han83, Koh83]. **Approach** [AKH87, HG81, RW81, Eck85, SRJR87, YG85, Yoo85]. **approaches** [MZCW84]. **Approximate** [Coy82, Jag82a, Kum83, Fle84, San85b]. **Approximation** [Fre80b, GC81, Lee82, Yue80b]. **Approximations** [Fre80a, Fre82, KW84, Whi84b, Whi84c, Whi84a]. **AR6A** [ADG+83, BCHR83, BMM+83, DRS83, FS83a, GMMR83, GK83, HP83b, HHS83b, HCH+83, KP83, Mar83]. **arbitrary** [GGV84]. **architectural** [CCG+85]. **Architecture** [AFS82, BKP88, BDE+81, CS82, GLM82, GKS83, KAM83, Mar82, NS82, Roc86, ST82, TG83, WH82, BBD+89, BBB+85, BCH+86, Cam87, Far89, LFLB85, NS86, PR86]. **architectures** [Jon88]. **Area** [LF82, SKP84, Ran84]. **Arranged** [Ben81a]. **Arrays** [DG80]. **ARSB** [GH82]. **Articulatory** [MF82]. **artificial** [BH88]. **ary** [Kav84, Pra80, Yue80b]. **aspects** [Pet84]. **ASPEN** [HLL+84]. **ASQIC** [BBM87]. **Assembler** [Sem81]. **Assemblies** [BB87]. **assembly** [Str88]. **Assignment** [Ein80, FH80, MZ82, Str83, BH84b, LF84]. **Assignments** [SA81a]. **Assistance** [ALS80, RRW80]. **assistant** [Kow88]. **Assisted** [BJW88]. **astigmatic** [Sem85]. **astronomical** [Row84b]. **Asymptotic** [BS83c, MMR81, MM82]. **Asymptotically** [San81a]. **AT&T** [AT&T86, AAJ+86, BKP88, Cal88, CHL+89, CKP88, Eck86, EEF+86, Far89, Fow86, God86, HHL89, NS86, SKP84, Sur86]. **AT&Tt** [Bul87]. **Atmospheric** [KFS83]. **Attenuation** [LBP80, CMN84]. **Audio** [MDSL82]. **auditing** [KC88]. **Authors** [Ano80k, Ano80l, Ano80m, Ano80n, Ano80o, Ano80p, Ano80q, Ano80r, Ano80s, Ano80t, Ano81o, Ano81p, Ano81q, Ano81r, Ano81s, Ano81t, Ano81u, Ano81v, Ano81w, Ano81x, Ano82v, Ano82w, Ano82x, Ano82y, Ano82z, Ano82-27, Ano82-28, Ano82-29, Ano82-30, Ano82-31, Ano83s, Ano83t, Ano83u, Ano83v, Ano83w, Ano83x, Ano83y, Ano83z, Ano83-27, Ano83-28]. **Automated** [BR82a, BBOV82, BM82b, CHW82, DRT82, EGKS81, FV82, GH82, GB82, Hol82, LZ82, Mar82, Ove82, Ray88, RD82, Rub82, SB82, Uhr82]. **Automatic** [ALS80, Hol83, Lec80, LRS83]. **automatically** [Wil85]. **Automating** [Pul88]. **automation** [Cam87, Kow88]. **Avalanche** [SF82]. **Average** [LMOS83, SSW80]. **Avoidance** [Alb83].

B.S.T.J. [Aha80, Ben80, FD82, Hen81, JCMS82, JC80, Lec80, PLR82, SB80, TA82, Wit80]. **balancing** [HJ88]. **Band** [EY81, Cro81, Wer85]. **Band-Limiting** [EY81]. **Bandpass** [Tow83]. **Bandwidth** [CMSP81, EH82, JCMS82, Log83a, Log85, SA81b, LL88]. **Bandwidth-Conserving** [Log83a]. **Bandwidth-error** [Log85]. **Bank** [AFPP82, AFHK82, ANSW82, AGS82, BM82a, CL82, COW82, CGG+82, DRM83, DGH+82, GLMS82, LOS84, Row84a, ACL88].

Base [BDL+82a, FV82, MBD+83, ST82, Gla84]. **Baseband** [Kav85a]. **Based** [BR82b, DRM83, JCMQ83, Jay83, KBG+88, Lec80, LS80b, RWA81, Ves88, Yav82, AO85, BTOA84, DeT84, Jay87, LL88, RS85b, Tol84]. **Bases** [MY83]. **Basic** [WPG87]. **Basics** [Bra88]. **basilar** [SA85]. **Batch** [Hal83, Whi83a]. **be** [Cox81, San81a]. **Beam** [Kum80, Pan89]. **Behavior** [Dra81b, KKLS83, Lin80, Lin81, Liu80, Nuc81]. **Behavioral** [Ano83n, Ano83q, Ano83o, Ano83p, CHM83, CK83, DK83, Ega83, Eig83, Fla83, Fra83, FLGD83, Gin83, Han83, Hol83, JB83, KRS83, Koh83, Loe83, Mac83, Pau83, Ros83, SAT83, Sum83]. **behaviour** [Ack84]. **Bell** [Aho82, Ano80k, Ano80l, Ano80m, Ano80n, Ano80o, Ano80p, Ano80q, Ano80r, Ano80s, Ano80t, Ano81o, Ano81p, Ano81q, Ano81r, Ano81s, Ano81t, Ano81u, Ano81v, Ano81w, Ano81x, Ano82v, Ano82w, Ano82x, Ano82y, Ano82z, Ano82-27, Ano82-28, Ano82-29, Ano82-30, Ano82-31, Ano83s, Ano83t, Ano83u, Ano83v, Ano83w, Ano83x, Ano83y, Ano83z, Ano83-27, Ano83-28, Bat84, Ber84, Gig80, Han83, Hol83, Rei85, SBD82]. **BER** [Gla84]. **Between** [CK83, Inf80]. **Biased** [FT83]. **biases** [CW85]. **Biasing** [SW83]. **Bidirectional** [MDSL82]. **Billing** [LW83]. **Binary** [WW81, Col88, Fos84, Maz85]. **Biphase** [LFG82]. **Biquad** [Tow83]. **birefringence** [SS84]. **Birth** [Nuc81]. **Birth-Death** [Nuc81]. **Bit** [GS83a, KSB88, Rob82]. **Blit** [Car84, Pik84]. **Block** [Aha80, Chu80b]. **Blocking** [Ben81a, Bur82, DH82, Fre80b, GGV84, KRS82, Nea80, Whi85, BH84b, Whi84a]. **board** [AAB+86]. **Bombarded** [HHG83]. **Bombardment** [DJ80]. **both** [WRM84]. **boundaries** [Tho87]. **Bounds** [AS83, CMS83, Tur85]. **Breakdown** [Wit80]. **Breaking** [SV81]. **Bridge** [WCS81]. **Brief** [Han83]. **Briefs** [Aha80, Ben80, FD82, Hen81, JCMS82, JC80, Lec80, PLR82, SB80, TA82, Wit80]. **Broadband** [CE83, DL84, HB85]. **Broadcast** [EHS83]. **Broadcast-Quality** [EHS83]. **Bubble** [NWB+80, RB82, Wyn81, NMR+84]. **buckling** [Len85]. **buffer** [Ack84]. **Build** [EP84]. **Building** [And88, Gri83, CK88]. **Buildings** [CMN83, Wal83]. **Bulk** [CEGM89]. **bumps** [Ray88]. **Bundle** [Gri82]. **Bureau** [BR82a, BBOV82, BM82b, CHW82, DRT82, FV82, GH82, GB82, Hol82, LZ82, Mar82, Ove82, RD82, Rub82, SB82, Uhr82]. **Buried** [FLRT81, Ung80]. **Bursts** [JS82]. **Bursty** [BS83c]. **Bus** [SA81a]. **Bus-Allocation** [SA81a]. **buses** [DeT84]. **business** [GE87, Rei85]. **Busy** [ARW80, Yum80]. **Busy-Period** [Yum80]. **BX.25** [Kur85].

C [Car84, CDK88, FF88, Rei81, Ros84b, Str84]. **Cabinets** [Coy82]. **Cable** [BM82b, FLRT81, GPP87, Gri82, Noe81, Ung80, CC85, HFE85]. **Cables** [Chu83]. **Calculation** [Blu80b, Len83, PCPF81, KD84]. **calculations** [BH84c, Jag84, Min84]. **California** [ACL88]. **Call** [BS88, Liu80, BBM87]. **Calling** [BBP+82, CRT82, EY82, Wor82]. **Calls** [Inf80, Tor81]. **Canceler** [DC80, Fan81, Wer85]. **Cancelers** [Sal83, CW85]. **Cancellation** [GL81, Gre85, Kav85a, KS85]. **Capabilities** [GLM82, FGNS85, HLRW85]. **Capability** [FKSW81, HSS82, SW82]. **Capacitated** [MS82]. **Capacitor** [LFG82]. **Capacity** [Aca80, CS83, Dat80, HG81, Nuc81, Rai81, Wit84]. **Card** [BBP+82, CRT82, EY82]. **Carolina** [Car80]. **Carrier** [BKL+82, DR81, GK83, Hey82, KLRS81, AS84a, BH84a, BBB+84, LOS84, MMTV84, MSO84]. **Carrier-Sense** [Hey82]. **Carrying** [Rai81].

Case [Wit81, Pha86, Row84b]. **Casper** [BS88]. **Cassegrainian** [Dra81a]. **Cathodoluminescence** [CTM81]. **CATV** [HB85]. **Caused** [CC80, Oga81, Gla84]. **CCIS** [DFS82, FM82]. **CCITT** [Gad81, GN83, JN81]. **CD** [DeT84, Max82]. **Cell** [Sun83a, NMR+84]. **Cells** [Blu80b]. **Cellular** [Sun83b, Wal83]. **Center** [BDV83, GM87, GGV84, SMNV89]. **Center-Tap** [GM87]. **Centering** [Eic80]. **Central** [GFGB83, RBH83, Ros83, War80]. **certifiable** [Sha88]. **certification** [Eck85]. **CEST** [FF88]. **Chains** [Maz82, Jua85]. **Change** [Aha82a]. **Changes** [CB83]. **Channel** [AFPP82, AFHK82, ANSW82, AGS82, BM82a, CDH81, CL82, COW82, CGG+82, DH82, DGH+82, Fan81, GLMS82, GS83a, GC80, Jay81b, MDSL82, OOB83, Rum82, Wit81, Kar86, KM85, Log85, LOS84, OW84, Row84a, Tay84, Wer85]. **channel-bank** [Row84a]. **Channels** [FS83b, Jay81b, Oza80, AS84b, Kav84, Kav85a, KS85, RWRH85, Sal85b, SSW84, SWS84a, SWS84b]. **Characteristics** [Ano83n, BDL+82a, BBP+82, But81, CMLF80, Inf80, RCS86, Tay84]. **Characterization** [CDH81, DR81, EGKS81, Hef80, KLRS81, Pre81, CCD+84]. **Characterize** [Chu83]. **Cheap** [Wei84]. **Check** [Fan81]. **Chip** [DC80, WPG87, AO85, GOP87, Rai84]. **Chirp** [EH81]. **Chromatic** [LTT+83]. **CIMA** [BCH+86]. **Circuit** [AFS82, AM80, CB83, NS82, PKSG83, Smi83, WA88, BN84, Kum88]. **Circuits** [Aha82a, Alb83, BBF81b, GLMS82, Wes81, AB89, Col88, MZCW84]. **Circulators** [Kne80]. **Clad** [JCMS82]. **Cladding** [GNS+81, AG84]. **Class** [Aha82a, Fre82, Hef80, Hef82, MMR81, Mea80, Sal80]. **Cleveland** [Car80]. **Click** [Log84a]. **clipping** [Log84d, Log84b, Log84c]. **Clock** [MRW81]. **clocked** [Ack85, Dos85]. **Closed** [MMR81, MM82, Whi84d]. **coated** [KD84, Len85]. **Coating** [SF81]. **Coatings** [Cla83, Eic80, Eis84]. **Code** [AFPP82, BJM+81, CB83, GS83b, Joh81, Rei81, SV81, CS85]. **Code-Breaking** [SV81]. **Coded** [Ein80, NB82]. **Coder** [CCJS82, Pir82, Jua84b]. **Coders** [Cox81, RN82]. **Codes** [Aha80, CMS83, JN81]. **Coding** [Aha80, BJM+81, Cro81, GN83, GS83a, JC80, Jay83, JSC83, NR80, Oza80, SNR80, WW81, WWZ80, WWKZ84, BBDS86, Gha84, Kav85b, KM85]. **coefficient** [KD84]. **Coefficients** [RSL83]. **Coherent** [Sal85a, Sun82, Maz85]. **Collapsing** [CB81]. **Collision** [Alb83]. **Collision-Avoidance** [Alb83]. **Color** [Has81]. **Colorization** [PC82]. **combinatorial** [LF84]. **Combined** [GS83a, MF82]. **Combining** [Kar83, RSL84, YG85]. **Come** [SA81a]. **Command** [RW84, SAT83]. **commercial** [BN88]. **Commitment** [Dat80]. **Common** [Fan81]. **Common-Channel** [Fan81]. **Communication** [Aca80, GAB+80, HTB83, MDSL82, Str83, KM85, Maz85]. **Communications** [FS83b, LS80b, LF82, MBJ81, SF82, BBB+85, Col88, Kar86, Kav85b, Sal85a]. **Companded** [EH82, SSW84, SWS84b]. **Companding** [Log83b]. **Company** [Pfe83]. **Comparative** [MR81, Pre81]. **Comparing** [Whi83a]. **Comparison** [Cox81, DJ80, LM81a, Pau83, PCP80, Sch83b, DeT84]. **Comparisons** [DH82, Min84]. **Compatible** [GN83, Rze83]. **Compensated** [NR80, RN82]. **Compensation** [SNR80]. **Compiling** [Rei81]. **Completion** [Liu80]. **Complex** [BB87, Dra81a, NS82]. **Complexity** [Ben83, KM85]. **component** [Dec88]. **Components** [BR82a, Lin81, SY82]. **Compound** [DSMBB89, CEGM89]. **Compressed** [EY81]. **Compression** [EY81, EH81, EH82, EH83b, EHS83]. **Computation** [Sal80, Ack84, Ack85].

Computational [Gri83]. **Computer** [But84, Fre80a, Gri83, LMP82, PW88, SS86, WCS81, Yav82, RS85c]. **Computer-Based** [Yav82]. **Computer-Operated** [WCS81]. **computers** [BGS+89, FHR84]. **Computing** [Mey82, Rai84, Gav85]. **COMSTAR** [TA82]. **Concentration** [WW80]. **Concentrator** [Can81]. **Concentricity** [SF81]. **concept** [ABC89, Leu86]. **concepts** [Hei89]. **Conditional** [Gha84, SJ85]. **Conducting** [ABS82]. **Conductivity** [HM80]. **Conductors** [Rai81]. **cones** [SS86]. **Configuration** [CHTW83]. **Configurations** [Sun83a]. **configuring** [Gav85]. **Confinement** [PPC81a, PLR82]. **Conformal** [Dra81a]. **Congestion** [DN88, Fre80b]. **connect** [MS84]. **Connected** [MR81, MRR81, RBW82, Rab84, RWT84, RWJ86]. **Connected-Digit** [RBW82]. **Connected-Word** [MR81]. **Connecting** [Ben81a, Ben83]. **Connection** [CCD+84, HLL+84]. **connectionist** [Jon88]. **Connections** [CHN80]. **Connector** [Fla83, AFM87, BMD84]. **Conserving** [Log83a]. **Consideration** [CMSP81]. **Considerations** [Oga82, Tow83, Yav82]. **Constrained** [AS83]. **constraints** [GP84, KW84, WRM84]. **construction** [EP84, Lin84]. **constructive** [LF84]. **Consumption** [Gri83]. **Contained** [Jay81b]. **containment** [GP84]. **Content** [Roo82]. **Content-Addressable** [Roo82]. **Context** [Hol82]. **Context-Sensitive** [Hol82]. **Continuing** [Lie82]. **Continuity** [Fan81]. **Continuous** [Kur80, Pau83, Sun82, Sun83b, RJLS85]. **Continuous-Groove** [Pau83]. **Continuous-Phase** [Sun82]. **continuum** [WC85]. **contours** [Rab84, RPS84]. **Contrasting** [Fos84]. **Contributors** [Ano80a, Ano80b, Ano80c, Ano80d, Ano80e, Ano80f, Ano80g, Ano80h, Ano80i, Ano80j, Ano81c, Ano81d, Ano81e, Ano81f, Ano81g, Ano81h, Ano81i, Ano81j, Ano81k, Ano81l, Ano81m, Ano81n, Ano82g, Ano82h, Ano82i, Ano82j, Ano82k, Ano82l, Ano82m, Ano82n, Ano82o, Ano82p, Ano82q, Ano82r, Ano82s, Ano82t, Ano83f, Ano83g, Ano83h, Ano83i, Ano83j, Ano83k, Ano83l]. **Control** [AKK81, BDV83, DHM+86, GFGB83, Gri83, JCV83, Kar83, KP83, NS82, PKSG83, QEG83, Ros83, SF81, BBB+85, Cam87, DN88, LL88]. **Control-Complex** [NS82]. **Controlled** [AM82, BDL+82a, BBP+82, CRT82, DFS82, EY82, FM82, GLM82, HSS82, HMSY82, LLS82, RWR80, ST82, SW82, Bro85]. **Controller** [Kar80b, Lec80]. **Convergence** [Maz80, Mue81b]. **Conversant** [PR86]. **Conversational** [LS80c]. **Conversational-Mode** [LS80c]. **Conversion** [Fla80]. **convexity** [Jag85b]. **Convolutional** [Kav85b]. **Coordinates** [Dra81a]. **Copper** [HM80]. **Core** [GNS+81, Ung80]. **Core-Shield** [Ung80]. **Cores** [Phi82]. **Corporate** [DKW88]. **Correction** [GS83b, LS80b]. **corrugated** [DL84]. **Cost** [MS82, She88, KS86]. **counting** [Wei84]. **Coupled** [Tow83, Sal85b]. **Coupled-Single-Amplifier-Biquad** [Tow83]. **couplers** [LG84]. **Covariance** [Hef80, Hon83]. **Cover** [Sem80]. **COZY** [WCS81]. **Craft** [BS83a]. **Criteria** [San81a, San85a, SF80]. **Critical** [GL80]. **Cross** [KS85, Gre85, Kav84, Kav85a, MS84, Sal85b]. **cross-connect** [MS84]. **cross-coupled** [Sal85b]. **Cross-polarization** [KS85, Gre85, Kav85a]. **cross-polarized** [Kav84]. **crosscorrelation** [Ben84]. **Crosstalk** [Lin80, Lin81]. **crypt** [RW84]. **Cryptographic** [Hen81]. **Crystal** [JCV83, CEGM89]. **Crystals** [JCV80]. **CSMA** [DeT84, Max82]. **CSMA/CD** [DeT84, Max82]. **Cubic** [Gra83]. **Current** [Blu80b, Dix80, Rai81]. **Current-Carrying** [Rai81]. **Custom** [GLMS82, Wor82]. **Custom-Integrated** [GLMS82]. **Customer**

[CM80, Fre80a, Hal83, Liu80, She88, Whi83a, WR83, Wil85]. **Customer-Viewed** [Fre80a]. **Cutoff** [Tor81]. **Cyclic** [Aha80, WC85]. **Cycling** [GNS+81]. **cyclostationary** [Ack84]. **cyclotomic** [HKMP85].

D [SCWB84]. **D4** [AFPP82, AFHK82, ANSW82, AGS82, BM82a, CL82, COW82, CGG+82, DGH+82, GLMS82]. **Data** [AE83, AMS82, AGS82, BO83, BDL+82a, BPRS83, BP83, BC83, BKP88, BGGW83, DKZ80, DKW88, DGH+82, EH83a, FV82, FGP+83, GL81, GS88, GK88, GFGB83, HKRS83, HM83, Hef80, Hey83, IST+83, KBN88, LDGF82, LM81b, Max82, MY83, MS81, Pfe83, ST82, Sch83a, SV81, SKP84, Str84, Wel87, WSX82, Yum80, ACL88, AS84b, BC85, BBM87, But84, CCD+84, CW85, DS84, Fos85, FM84, HB85, HLL+84, Hon84, Kum88, ML84, Ran84, Row84a, Row84b, Sha88, WM88, Wer85, Yan85]. **Data-Aided** [MS81]. **data-driven** [CW85, Wer85]. **data-flow** [Sha88]. **Data-Handling** [AMS82]. **Data-Transport** [Hey83]. **Database** [Aho82, BBN82, CR82, Coh82, Gog82, Gol82, LDGF82, Lin82, Roc82, Roo82, WH82, Wei82, CDG+89]. **Databases** [Lee83, Wei82]. **Dataport** [ANSW82, AGS82, DGH+82]. **Datastream** [Swa85]. **Day** [KRS82]. **Day-to-Day** [KRS82]. **DBM** [CR82]. **DBM-2** [CR82]. **Death** [Nuc81]. **Debugging** [Car84]. **Decision** [Maz80, SF80, SWS84a]. **Decision-Directed** [Maz80]. **Decoding** [Tim80, Tim81]. **decomposition** [WC85]. **Decreases** [Bur82]. **Decryption** [Hen81]. **Deep** [DJ80]. **Definition** [Rze83]. **Degradation** [Wit80]. **degradations** [Gla84]. **degrees** [Ber84]. **Delay** [Aha82a, AS83]. **Delays** [Fre80a, Hal83, Whi83a, Ack85]. **Delivery** [GB82]. **Delta** [SA81b, Ste82]. **Demand** [Inf80, IG82, Sze80, Sze82, BH84b, You84]. **Demands** [Ano83q]. **demodulation** [SWS84a]. **Density** [Fla83, Son83]. **Dependent** [WW80]. **Depolarization** [Chu80a]. **depressed** [AG84]. **Derivative** [JCV83]. **Description** [BDL+82a, BBP+82, DM83, LF82, SBD82]. **Descriptions** [WW81, WWZ80]. **Design** [AFS82, Aha82b, ACL88, AFHK82, AG84, Ano83o, ACM81, BC85, CR82, CS82, DRT82, Dec88, GMMR83, GH82, Gog82, HP83b, HPU81, JKT82, LS80a, LZ82, Lin82, Mac83, NWB+80, NS82, PKSG83, Pha86, PK84, ST82, Sem81, Sha88, Tow83, WH82, WA88, Wes81, Wil82, BH84a, BGS+89, Eis84, FT87, KS86, Kow88, LFLB85, MZCW84, SMNV89]. **designed** [Log84d, Log84b, Log84c]. **Designer** [BF80, MT80, O'N80, Tho80]. **Designing** [KRS83, Aga89]. **Designs** [Chu80b]. **Detecting** [Ben81b, Fos85]. **Detection** [EH81, Feu81, Gad81, HPW83, JS82, Pra80, Maz85, WRM84]. **Detector** [Wyn81]. **Determination** [CC85, HFE85, SA85]. **Deuterium** [SB80]. **Deuterium-Hydrogen** [SB80]. **Develoment** [GB82]. **Developing** [War80]. **Development** [And83, BGK+86, Dix80, Geh81, HHS83a, KC87, KR80, RW83, BHK+85, BBW88, KPW85, Pet86, RS86]. **Device** [BJW88, Bod81, Dix80, Dut89, NWB+80, DD87, MS89, NMR+84, SP89, Sha88]. **Devices** [DSMBB89, DJ80, JDW89, LMM81, AB89, JLN+85, KD84, Wit84]. **Diagnostic** [QEG83]. **Diagnostics** [PC82]. **diagrams** [AG84]. **Dialer** [RWR80]. **Dialing** [Liu80]. **Diameter** [GNS+81, JCV83]. **Diffeomorphisms** [San80, San81b]. **Difference** [Sch83b]. **Differences** [Ega83]. **Differential** [BJM+81, GS83b, GH81, Wyn81, Maz85]. **Differentials** [EH82]. **Difficulty** [CK83]. **Diffusion** [Phi82, WW80]. **Digit** [RBW82]. **Digital** [Aag81, AFPP82, Aha82b, Alb82, AFHK82,

Ang81, ANSW82, AGS82, BBF+81a, BM82a, BBF81b, Bod81, BDE+81, BJM+81, BST81, BGK+86, BKL+82, BKO81, Can81, CC80, CL82, COW82, Cox81, Cro81, CGG+82, DFN81, DGH+82, EG81, Els80, Fav81, FYC81, Fla80, FS83b, Gad81, GW81, GAB+80, GLMS82, HG81, HMPV81, Kar80b, LM81b, MBJ81, McN80, SS83, Sal83, Sal85b, Sem81, Smi82, Sun83a, Sun83b, Wan83, AS84b, BH84c, Cho86, FPQ+84, Fos85, Gla84, Gre85, GY85, KS85, YG85].
Digital-to-Analog [Fla80]. **Digitally** [GMW82, CW85]. **Digitizers** [PS81a]. **Digits** [WR83]. **Dijkstra** [Sha81]. **Dimension** [KSM81]. **Dimensional** [But81, WW80, CS85, NS85, Row84b]. **Dimensioning** [Els80]. **Diodes** [KBZ80]. **Direct** [Fla80, FM82, Liu80]. **Direct-Signaling** [FM82]. **Directed** [BK83, Gol82, Maz80, Str88]. **Direction** [San80, San81b]. **directional** [LG84]. **Directions** [Dix80, GS88, AR86, BBW88]. **Directory** [ALS80, RRW80, RWT84]. **Discipline** [Dos83, FS88, Fle84]. **disciplines** [FM84]. **Discrete** [FH80]. **Discrete-Event** [FH80]. **Dislocation** [JCV80]. **Dispersion** [LTT+83, Nas81, PLR82, RCS86]. **Dispersion-Shifted** [RCS86]. **Dispersionless** [PPC81a, PPC81b]. **Displacement** [SNR80]. **Displays** [MF82]. **Distance** [ALS80, CMS83, Liu80, RS85a]. **Distortion** [Ben84, Wit81]. **Distributed** [Coh82, LMP82, LMP83, Lin82, Rub82, DS84, Gav85, HJ88, Leu86]. **Distribution** [Fre82, Mey82, PCP80, SY82, SF80, Kli85, RS85c]. **Distributions** [Nea80, Whi84b, Whi84c]. **Dithered** [JN81, Joh81]. **Diversity** [Kar83, Rum82, Sun82, Gla84, GY85, KM85, YG85]. **Dividers** [Sal80]. **DMERT** [BS83a, BW83b, EC83, GKS83, GCD83, HP83a, HPW83, HK83, KAM83, KM83, KBF83, MBD+83, QEG83, RBH83, RW83, Sca83, TG83, YMNW83]. **Document** [Ker89]. **Documentation** [GB82, HPU81]. **Documents** [CK83]. **Domain** [Rum80]. **Dominant** [Lin81]. **Doped** [PCPF81]. **Doppler** [LS80b]. **Doppler/Fading** [LS80b]. **Double** [CMLF80, DJ80, JCMS82]. **Double-Clad** [JCMS82]. **Double-Heterostructure** [DJ80]. **Double-Mode** [CMLF80]. **Downlinks** [Aca81b]. **DPCM** [Jay81b, NB82, Pir82]. **DPCM-Coded** [NB82]. **driven** [CW85, Wer85]. **DSP** [CCJS82]. **DSP32** [BGK+86]. **DTWP** [BTOA84]. **Dual** [AFPP82, Toy87, Gre85, Len85]. **dual-coated** [Len85]. **dual-polarization** [Gre85]. **dually** [AS84b, KS85]. **Duplex** [CT83]. **During** [JS82, But84]. **Dynamic** [ACM81, AKK81, HJ88, MR81, MRR81, Rab82, BTOA84, Jua84a, Wei84].

EADAS [BGGW83]. **Earth** [Chu80a, LBP80]. **Earth-Satellite** [LBP80]. **Echo** [CHN80, DC80, Fan81, Sal83, CW85, Wer85]. **Economic** [Koo80, Ove82]. **Editing** [Max80]. **Editor** [Ano82u, Ano83r, Hol87]. **Editors** [BK83]. **Effect** [Fan81, GNS+81, LL88, SWS84a]. **Effective** [Jay87, RS86, KS86]. **Effects** [CHN80, CW85, Con80, DRM83, EY81, Hea81, KRS82, Koh83, Kum80, RWA81, TA82, Ung80, Wer85]. **Efficiency** [Pra80, SW81]. **Efficient** [Blu80b, CGH81]. **eight** [CS85]. **eight-state** [CS85]. **EISPACK** [Len83]. **EL2** [KR80]. **Electret** [KR80]. **Electrical** [Pet84]. **Electromagnetic** [Ber82, Blu80a, PPC81a]. **Electromechanical** [BB87]. **Electronic** [BB87, DSMBB89, HJG88, Wil82, MS89, SP89]. **Electronics** [CD80, Coy82]. **Electroplating** [Blu80b]. **Element** [Kne80, Len83, CC88]. **Elementary** [Row82, Pet84]. **Elements** [JB83, NWB+80, Smi82]. **Elevation** [TA82].

Eliminating [Sem80]. **Embedded** [GS83b, RWT84]. **emergence** [BH88]. **Emitting** [KBZ80]. **Empirical** [CP83a]. **Employing** [NWB+80]. **End** [CHW82, Yav82, CCD+84, HLL+84]. **Energy** [BR82b, Gri83, PPC81a, Rab84, RPS84, RSL84]. **engineered** [Aki84]. **Engineering** [BKV82, DK83, HM83, Yav82]. **Enhancement** [RJ84]. **entry** [But84]. **Envelope** [EH81]. **Environment** [BPRS83, BF80, DKW88, MT80, PK84, Tho80, Wal83, Yue80a, BHK+85, DS84, KPW85]. **Epitaxy** [Pan89]. **Equalization** [BMM+83, GW81, Kas82, LM81b, MS81, AS84b, GY85, KS85]. **equalizaton** [FPQ+84]. **Equalizer** [GW81, GMW82, Maz80, Mue81b]. **Equalizers** [Mue81a]. **Equalizing** [Fos85, Kar83]. **equation** [DS85]. **Equations** [Blu80a, GH81, PCPB80]. **Equilibrium** [Kum83]. **Equipment** [DRS83, FS83a, FGP+83, GFGB83, Tor81, War80]. **Equivalent** [Kum83]. **Error** [GS83b, Hea81, JS82, Sun82, Log85]. **Errors** [GS83b, SSW84, SWS84a]. **especially** [WC85]. **ESS** [ABC+81, BBN82, BDL+83, CH81, DG81, FKSW81, GLM82, GY83, HMPV81, IST+83, LW83, Mar81, MRW81]. **Estimates** [Reu83]. **Estimation** [Aca81a, Hea81, LSY88, Shi82, Jua85, NS85]. **Estimations** [Toy87]. **Estimator** [Ben80]. **Evaluating** [KRS83]. **Evaluation** [CP83a, CS83, KSB88, KK82, Koo80, Ove82, Pha82, RD82, CLMS87, Jua84b]. **Event** [Ben81b, FH80]. **Evolution** [BBOV82, CH81, Fed84, GY83, Lie82, Rit84a, Rog87, Ros84b, Ald86, God86]. **Evolving** [CDK88, CF86]. **Exact** [KD84, PCPB80]. **Example** [Sha81]. **Examples** [GH82]. **excellence** [CC88]. **Exchange** [SB80, Log85]. **Exhibiting** [PLR82]. **existence** [San85a]. **Existing** [IST+83]. **exit** [SS86]. **Expansion** [Nuc81]. **Expansions** [MMR81, MM82, San82a, San82b, San85a]. **Experience** [DG81]. **experiences** [BHK+84]. **Experimental** [BT83, CE83, HAK83, JCMS82, KFS83, Max80, NMR+84, PKSG83, Sil84, Wan83]. **Experiments** [CHM83, LBP80]. **Expert** [Cal88, Mar88, FF88, Kow88]. **Explicit** [Jay83]. **Exponential** [Feu83, Whi84c]. **Extending** [Tho87]. **Extension** [JN81]. **Extensions** [LM81a]. **Extremal** [Maz82, Whi84b].

Fabricated [DJ80]. **Fabrication** [DSMBB89, PLR82, PKSG83]. **facets** [Eis84]. **Facilities** [Bod81, Str83, Whi85]. **Facility** [Max80, RWRH85]. **Facsimile** [JN81]. **Factors** [Ano83n, Ano83q, Ano83o, Ano83p, CHM83, CK83, DK83, Ega83, EY82, Eig83, Fla83, Fra83, FLGD83, Gin83, Han83, Hol83, JB83, KRS83, Koh83, LDGF82, Loe83, Mac83, Pau83, Rab82, Ros83, SAT83, Sum83]. **Factory** [DTV85, Cam87, Pul88]. **Fading** [BMM+83, FS83b, GC80, GC81, LS80b, Rum80, Rum82, Sun82, Vig81, Yue80a, AS84b, Kav84, Kav85a, KS85, Log85, RWRH85, SSW84, SWS84a, SWS84b]. **Fail** [Alb82]. **Fail-Safe** [Alb82]. **Fair** [Hen84]. **Family** [AFPP82, AFHK82, ANSW82, AGS82, BM82a, CL82, COW82, CGG+82, DGH+82, GLMS82, BMD84]. **Fasnet** [Hey83, LF82, ML84]. **Fast** [Hen81, KBZ80, MR83, Shi82, And88]. **faster** [Fos84]. **Fault** [CB81, EG81, HPW83, LM81a, LMP83, Wil82]. **Fault-Collapsing** [CB81]. **Fault-Simulation** [LM81a]. **Fault-Tolerant** [Wil82]. **Feature** [ARW80, KSM81, AO85, DHK89]. **Features** [BK83]. **Feed** [CE83, DL84]. **Feeder** [BKL+82, Dat80, Elk80, Koo80, Noe81]. **Feeder-Cable** [Noe81]. **Females** [Koh83]. **Fiber** [BS83b, CP83a, CP83b, CMSP81, Eic80, GNS+81, JPW87, JCMS82, KC87, Kas82, Len83, Oga82, Pau83, PLR82, Phi82, SF81, BBB+84, CC85, Len85, TNG88].

Fiber-Coating [SF81]. **Fiber-Optic** [BS83b, Pau83]. **Fibers** [CMLF80, LTT+83, PS81a, Pre81, SB80, AG84, SS84, SCWB84]. **Field** [ABS82, Eig83, EC83, Gin83, KLRS81, PPC81a, Pau83, YMNW83]. **Field-Measurement** [KLRS81]. **Field-Repair** [Pau83]. **Field-Tracking** [ABS82]. **Fields** [PPC81a]. **File** [HP83a, RW84, Roc82, ASG85]. **files** [Swa85]. **Film** [AFPP82]. **Filter** [AFPP82, DRM83, EH81, PW82]. **Filter-Bank-Based** [DRM83]. **Filtering** [Ang81, DG80, Jay81a, Pha82, Row84b]. **Filters** [LFG82, LS80a, Tow83, BH84c, HKMP85]. **Finding** [MS82]. **Fine** [And83, Rai81]. **Fine-Line** [And83, Rai81]. **Finite** [Dra81b, LS80a, Len83, Ack84]. **FIR** [LS80a, MR83]. **Firestopped** [Gri82]. **Firmware** [AFHS82, Bre81]. **First** [SA81a, Son83]. **First-Come-First-Serve** [SA81a]. **First-Order** [Son83]. **Fixed** [Bur82, Hon83]. **Fixed-Order** [Hon83]. **Flexible** [LFHV88]. **Flow** [Blu80b, CGH81, PPC81a, LL88, Sha88]. **Flows** [MS82]. **FM** [Ben81b]. **Focal** [DG80]. **force** [Str88]. **force-directed** [Str88]. **Forces** [Koh83]. **Forecast** [Noe81]. **Forecasting** [Feu83, Mor82, PW82, Sze82, You84]. **Foreword** [Aho84]. **Fork** [BS88]. **form** [Yoo85]. **Formulae** [Hef82]. **Formulas** [Ste82]. **Forward** [Eic80, GS83b]. **Foundations** [HM83]. **Four** [CS85]. **Four-dimensional** [CS85]. **Fourier** [Log84c]. **Fractional** [Aha82a]. **Fractionally** [GW81, GMW82]. **Fractionally-Spaced** [GW81]. **frame** [Col88, DN88, Kum88, RS85a]. **frame-relay** [DN88, Kum88]. **framing** [FM84]. **Frequencies** [HM80]. **Frequency** [Aca80, Ben80, BBF81b, Dra81b, Ein80, Feu81, GHP80, HHG83, Has81, JCMQ83, KP83, Lec80, MF81, PS82, Rum80, Sal80, SW80, Sch83b, Tim80, Tim81, Tim82, Yue80a]. **Frequency-Domain** [Rum80]. **Frequency-Hopped** [GHP80, PS82, Tim80, Tim81, Tim82]. **Frequency-Hopping** [Yue80a]. **Frequency-Reuse** [Aca80]. **Frequency-Shift** [Ben80]. **Front** [CHW82]. **Front-End** [CHW82]. **FSK** [GHP80, Tim80, Tim81, Wan83]. **Full** [CT83]. **Fully** [Kar80b]. **Function** [Hef80, SY82, FF88]. **functional** [San85a]. **Functions** [Ano83p, HSS82, Lee82, LRS83]. **Fundamental** [HHL+87, JB83]. **future** [Hei89, Ros84b].

G [Dos83, Fle84, Fre82, Jag82a, Jag85b, WC85]. **Ga** [DJ80]. **GaAs** [Dix80, JCV80, JCV83, Oga81]. **Gain** [JCV83, SNR80]. **Gate** [RS88]. **Gates** [LMM81]. **Gauss** [LMOS83]. **Gaussian** [Mey82, Row82, SSW84, Ste82, Sun82, SWS84b]. **GE** [Rei85]. **General** [Aha82a, AAB+86]. **general-purpose** [AAB+86]. **Generalizable** [IABB+89]. **Generalizations** [MMR81, Log84d]. **Generation** [BK83, Fav81, JCV80, Rub82]. **Generator** [Rob82]. **generators** [CK88]. **Generic** [LLS82, MZCW84]. **Germania** [PCPF81]. **Germania-Doped** [PCPF81]. **GHz** [Aca81b, Sem85, Wan83]. **GI** [Fre82, Jag82a]. **GI/G/1** [Fre82, Jag82a]. **gigabit** [Rog87]. **global** [San85a]. **goal** [LF84]. **goal-programming** [LF84]. **Good** [Rob82]. **government** [BN88]. **Graded** [PPC81a]. **Graded-Index** [PPC81a]. **Gradient** [Feu83]. **Gradients** [Sch81]. **Graph** [MZ82]. **Graphic** [MF82]. **Graphics** [BM87, Pik84]. **Graphs** [CDH81, CHM83, DH82]. **Grating** [DG80]. **gray** [Gha84]. **gray-level** [Gha84]. **Gregorian** [Dra81a]. **GRIN** [LG84]. **GRIN-lens** [LG84]. **gripper** [Bro85]. **Groove** [Pau83]. **Group** [KRS82]. **Groups**

[Els80]. **Growth** [Ben83, JDW89, KKLS83, CEGM89].

H [KKLS83, SCWB84]. **Half** [CT83, Jay81b]. **Half-Rate** [Jay81b]. **Hand** [Koh83]. **Hand-Turning** [Koh83]. **Handling** [AMS82]. **Hardware** [CHTW83, CRT82, HAK83, SKP84]. **Haul** [DKZ80, GPP87]. **Heat** [Gri82]. **Heavy** [Whi84a]. **Heavy-traffic** [Whi84a]. **HEQS** [DS85]. **Hermitian** [Ber82]. **Heterojunction** [KBZ80]. **Heterostructure** [DJ80]. **Hidden** [RLS83, Jua84a, RLS84, RJLS85]. **hierarchical** [Aki84, DS85, KV84]. **High** [DKZ80, Dra81b, Fla83, GAB+80, HHG83, HG81, LBHB83, RS88, Rze83, SF81, Dos85, Kav85b, SS84]. **high-birefringence** [SS84]. **High-Capacity** [HG81]. **High-Definition** [Rze83]. **High-Density** [Fla83]. **High-Frequency** [Dra81b, HHG83]. **High-Power** [LBHB83]. **High-Quality** [RS88]. **High-Speed** [DKZ80, GAB+80, SF81, Kav85b]. **History** [Ano83m, Han83, Nus82, God86]. **Homenet** [HB85]. **Homogeneous** [Ber82]. **Hopped** [GHP80, PS82, Tim80, Tim81, Tim82]. **Hopping** [Yue80a]. **Horn** [But81, Sem80, Sem83b, Sha85, Sil84]. **Horn-Reflector** [But81, Sem80, Sem83b, Sha85, Sil84]. **Host** [BDL82b]. **Hosting** [BDL+83]. **Household** [Inf80]. **houses** [CMN84]. **Human** [Ano83n, Ano83q, Ano83o, Ano83p, CHM83, CK83, DK83, Ega83, EY82, Eig83, Fla83, Fra83, FLGD83, GH82, Gin83, Han83, Hol83, JB83, KRS83, Koh83, LDGF82, LZ82, Loe83, Mac83, Pau83, Pfe80, Ros83, SAT83, Sum83, Yav82]. **Hybrid** [Dos83, Sem83a]. **Hybrid-Mode** [Sem83a]. **Hydrogen** [SB80]. **Hydrothermal** [KKLS83]. **Hyperbolic** [PCP80]. **Hypergraph** [Gol82]. **Hz** [WCS81].

IC [BGGN+86]. **ICS** [HHL+87]. **Identification** [MR83]. **II** [Chu80b, GH81, JC80, KW84, Log84c, OW84, WW81]. **III** [AB89, CEGM89, DSMBB89, Dut89, JDW89, Log84d, SP89, Whi84c]. **Imaging** [CE83, DG80]. **Impact** [Noe81]. **Impacts** [She88]. **Impairment** [LS80b]. **impairments** [Wer85]. **Impedance** [HHG83, WCS81, Bro85]. **Impedance/Admittance** [WCS81]. **Impedances** [Dra81b]. **Implanted** [NWB+80, NMR+84]. **Implementation** [BBF+81a, CR82, Coh82, CRT82, HSS82, Kar80b, AO85, FMM84, KV84, Leu86, SKP84]. **Implemented** [Cox81, GMW82, CW85]. **Implementing** [Rob82]. **Implications** [JCV83]. **Improved** [GW81, NB82, RBW82, Tim80, TRW82, WRM84]. **Improvement** [Aca81b, AH86, FHH+87]. **Improving** [FS88, SSR81, KS86]. **impulse** [Ben84]. **in-band** [Wer85]. **In-process** [Fow86]. **incorporating** [WRM84]. **Independent** [Log83a, RLS83, RRW80, RLS84]. **Index** [PPC81a, PPC81b, PCP80, WM83]. **indoor** [KM85]. **Induced** [BS83b]. **inductive** [Rai84]. **industrial** [Rei85]. **inequalities** [Jag85a]. **infinite** [Log84b]. **Information** [ALS88, Feu81, FLGD83, LS80c, MF82, Ber84, Hei89, NS86]. **Infrared** [Nas81]. **InGaAs** [SCS85]. **InGaAsP** [LTT+83, TZD+83]. **Initial** [Mue81b]. **Injection** [HHG83, LTT+83]. **Input** [BW83b, Kur80, LS80c, Sal82, Ste82, Rit84b, San85a, San85b]. **input-output** [Rit84b, San85b]. **Input/Output** [BW83b, San85a]. **Inputs** [Row82]. **INS** [Man89]. **Insensitive** [LFG82]. **insertion** [Dec88]. **insertions** [Str88]. **inspection** [Ray88, dlRR86]. **inspections** [Fow86]. **instruction** [Wei84]. **Instructions** [KRS83]. **Integral** [Blu80a, MMR81, MM82]. **Integrated** [GLMS82, ML84, Max82, PKSG83, Wes81, AB89, BCH+86].

Integration [ADRW83, BBF+81a, GH81, KM83, MMTV84]. **intelligence** [BH88]. **Intelligent** [Roo82, And88]. **Interactive** [Wes81]. **Interconnection** [PK87, CLMS87, HHL+87, HHC87, Man89]. **Interface** [Ano83o, BS83a, BDV83, HMPV81, Pfe80, BGS+89, Far89, GOP87, IABB+89]. **Interfaces** [Wel87]. **Interference** [CC80, GL81, Yue80b, Kav85a]. **Interframe** [Pir82, SNR80, MS84]. **International** [CDG+89]. **Interoffice** [Fan81]. **Interpolation** [SB83]. **Interpretation** [KBG+88]. **Intersymbol** [CC80, GL81]. **Interval** [Con80]. **Intra** [Pir82]. **Intra-Interframe** [Pir82]. **Introduction** [Ang81, FH88, LRS83, MM85, Sch83a, Sum83]. **Inventory** [Bre81]. **Inversion** [Jag82b]. **investigation** [Sil84]. **Ion** [NWB+80, NMR+84]. **Ion-Implanted** [NWB+80, NMR+84]. **ISDN** [Ald86, CP86, DKW88, DN88, GOP87, HPS86, Kum88, NS86, Roc86, WPG87]. **Isolated** [BR82b, DRM83, RWA81, RW81, RRWK82, Rab82, RLS83, TRW82, WR83, BTOA84, RPS84, RLS84, RSL84]. **Issue** [Ano80a, Ano80b, Ano80c, Ano80d, Ano80e, Ano80f, Ano80g, Ano80h, Ano80i, Ano80j, Ano81c, Ano81d, Ano81e, Ano81f, Ano81g, Ano81h, Ano81i, Ano81j, Ano81k, Ano81l, Ano81m, Ano81n, Ano82g, Ano82h, Ano82i, Ano82j, Ano82k, Ano82l, Ano82m, Ano82n, Ano82o, Ano82p, Ano82q, Ano82r, Ano82s, Ano82t, Ano83f, Ano83g, Ano83h, Ano83i, Ano83j, Ano83k, Ano83l, GK88]. **Issues** [Lin82, ND81, WH82, HHL+87]. **Itakura** [Jua84b].

Job [Hef82]. **Josephson** [FD82]. **Judgements** [CHM83].

Kalman [PW82, Pha82]. **Karmarkar** [KLSW89]. **Karmarkar-type** [KLSW89]. **kb/s** [BBDS86, CCJS82, DGH+82]. **Kendall** [Nuc81]. **Key** [FLGD83, CC88]. **Key-Word** [FLGD83]. **Keyboards** [Loe83]. **Keying** [PS81b, Yue80a, Yue80b]. **keys** [Jay87]. **Kinds** [FT83]. **Knapsack** [Hen81]. **Knobs** [Koh83]. **Knowledge** [KBG+88, Bra88]. **Knowledge-Based** [KBG+88]. **KORBX** [CHL+89, HHL89].

labeling [FW88]. **Laboratories** [Aho82, Ano80k, Ano80l, Ano80m, Ano80n, Ano80o, Ano80p, Ano80q, Ano80r, Ano80s, Ano80t, Ano81o, Ano81p, Ano81q, Ano81r, Ano81s, Ano81t, Ano81u, Ano81v, Ano81w, Ano81x, Ano82v, Ano82w, Ano82x, Ano82y, Ano82z, Ano82-27, Ano82-28, Ano82-29, Ano82-30, Ano82-31, Ano83s, Ano83t, Ano83u, Ano83v, Ano83w, Ano83x, Ano83y, Ano83z, Ano83-27, Ano83-28, Han83, SBD82]. **laboratory** [RWRH85]. **Labs** [Ber84]. **Language** [CDK88, FF88, HBH88, Swa85]. **LANs** [WC85]. **Laplace** [Jag82b, Jag85a]. **Large** [BBF+81a, Mor80b, MW82, RRWK82, WR83, Yav82, BBW88, Gav85, Kli85, LMS+89, Swa85, Wil85]. **large-scale** [BBW88, Gav85, Kli85]. **Laser** [Dix80, Eck85, Eis84, HFE85, dlRR86]. **Lasers** [DJ80, HHG83, LTT+83, LBHB83, SW83]. **Lattice** [Shi82]. **Launch** [Kum80]. **launchers** [Sem85]. **layer** [Eis84, Kur85]. **Layout** [Wes81]. **Leakage** [GMW82]. **Least** [Ben80, Hon83, MR83, Mue81a, Mue81b]. **Least-Squares** [Ben80, Hon83, MR83, Mue81a, Mue81b]. **LEDs** [DKZ80, GAB+80, TZD+83]. **length** [Gha84]. **lens** [LG84]. **Letter** [Ano82u, Ano83r, RWT84]. **Level** [JSC83, Gha84]. **Levinson** [Ack84]. **library** [FF88]. **Light** [CD80, KBZ80]. **Light-Emitting** [KBZ80]. **Lightguide** [Alb82, Kum80, MDSL82, NS87, PCP80, PCPF81, CC85]. **Lightguides** [PPC81a, PPC81b, PCPB80, RCS86]. **Lightning** [Ung80]. **Lightwave**

[AKH87, AFM87, BJW88, DD87, Dut89, GAB+80, San87, Wel87, Li87, Maz85, Rog87, Sal85a, Tho87]. **Likelihood** [Aca81a, Jua85]. **Limit** [Bur82]. **Limiting** [EY81]. **Limits** [Smi82]. **Line** [And83, ARW80, BH86, HP83b, PKSG83, Rai81, Rum80, Sch81, Sch83b, She88, Col88, GB82]. **Line-of-Sight** [Rum80, Sch81]. **Linear** [AS84b, LS80a, Lee82, Sal85b]. **Linear-Phase** [LS80a]. **Linearization** [SS83]. **Lines** [Aha82b, BGGN+86, Pet84]. **Link** [Yum80, Kur85]. **Links** [DKZ80, IST+83, KBZ80, Wel87]. **Liquid** [JDW89]. **Listener** [CHN80]. **listing** [RWT84]. **Lithographic** [And83]. **Load** [Bur82, Con80, KRS82, Mor82, HJ88]. **loading** [LMS+89]. **Lobes** [DG80]. **Local** [Gol82, Inf80, LF82, Max82, McN80, Ran84, DS84, Lav87, SKP84]. **Local-Area** [LF82]. **Localization** [FLRT81, Log84b]. **Locating** [Fla83]. **Location** [AE83, HKMP85, Kli85]. **Log** [SY82]. **Log-Normal** [SY82]. **logarithmic** [SWS84a]. **Logic** [CB81, EG81, LMM81, LMP82, Smi82]. **Logical** [Coh82]. **Long** [BW83a, CMSP81, GPP87, JS82, OOB83, SF82]. **Long-Haul** [GPP87]. **Long-Range** [BW83a]. **Long-Wavelength** [OOB83, SF82]. **Loop** [BKL+82, CM80, Car80, CD80, DRT82, Dat80, DK83, Elk80, FH80, GPP87, GL80, Gol82, Hol82, Koo80, NS87, Rub82, Uhr82, AS84a, BH84a, Bat84, BBB+84, LOS84, MMTV84, MSO84, TNG88]. **Loops** [WPG87]. **Loss** [BS83b, CC80, GNS+81, Kum80, PLR82, Reu83, WM83]. **Lossless** [Mea80]. **Low** [PLR82, TA82, KM85]. **low-complexity** [KM85]. **Low-Elevation-Angle** [TA82]. **Lower** [AS83]. **LPC** [AO85, BR82b, BTOA84, RWA81, RSL83, RSL84]. **LPC-Based** [BR82b, RWA81, AO85, BTOA84]. **LT** [BMD84]. **LT-1** [BMD84]. **Lumped** [Kne80]. **Lumped-Element** [Kne80]. **M** [SJ85, GAB+80, HFE85, LTT+83, RCS86, SB80, TZD+83, Dos83, Fle84, Jag85b, SJ85, WC85]. **M/G/1** [Dos83, Fle84, Jag85b, WC85]. **M/M/1** [SJ85]. **Machine** [BJW88, Kar80a, FHK+84]. **Machine-Vision-Assisted** [BJW88]. **Made** [Ben81a]. **Magnetic** [FLRT81, RB82]. **Maintenance** [AM80, BM82a, BKV82, Hol82, KMM82, Cal88, FGNS85, HLRW85, MSO84]. **Making** [Wei82, Rei85]. **Management** [BBN82, BP83, CR82, Coh82, CKP88, EH83a, Lin82, LL88, RS86, Yan85]. **Manager** [Roo82]. **Managerial** [Var81]. **mandatory** [FW88]. **manual** [Pul88]. **Manufacture** [BJW88]. **Manufacturing** [JPW87, KC87, LFHV88, BGGN+86, CC88, FHH+87, Fre86, KS86, McC86, DHM+86]. **Mapping** [Dra81a]. **Maps** [CHM83, San85a, San85b]. **Margin** [Aca81b]. **Markov** [Jua84a, Jua85, LRS83, LMOS83, Maz82, RLS83, RLS84, RJLS85]. **Markovian** [MMR81, MM82, RM82]. **Mask** [And83]. **Mass** [ABC+81, FKSW81]. **master** [BBM87]. **Match** [CK83]. **Matching** [JSC83, DL84]. **Material** [LBHB83, Nas81]. **Material-Processing** [LBHB83]. **Materials** [JDW89, Nas81, Pet84]. **Mathematical** [Elk80]. **Matrix** [Sal82]. **Maximal** [Koh83]. **Maximum** [Aca81a, Jua85, Kar83]. **Maximum-Likelihood** [Aca81a, Jua85]. **Maximum-Power** [Kar83]. **Maxwell** [PCPB80]. **Mb/s** [FPQ+84, Wan83]. **McDonald** [Sha81]. **MCVD** [CP83a, CP83b]. **Mean** [AS83, Jag82a]. **means** [RWJ86]. **Measured** [JCV83, CMN84]. **Measurement** [AE83, EGKS81, Hoa81, KLRS81, SF81, Sze80, AO85]. **Measurement/Trouble** [AE83]. **Measurements** [Car80, CMSP81, Con80, CMN83, FYC81, LTT+83, LW83, Phi82, Sem83b, Min84, Sem85]. **measures**

[Jua84b, RS85a]. **Measuring** [Yum80, Ben84]. **Mechanical** [Chu83, Str88]. **Mechanisms** [LS80b]. **Mechanized** [DRT82, Rub82, Uhr82]. **Mechanizing** [GB82, MY83]. **Media** [Ber82]. **Medium** [HPU81, RLS84]. **medium-size** [RLS84]. **Membrane** [Loe83, SA85]. **Memories** [RB82]. **Memory** [AS83, HP83a, HK83, Kar80b, Sal82, Wyn81, NMR+84, WWKZ84]. **Memory-Constrained** [AS83]. **Memoryless** [Row82]. **MESFETs** [Oga81]. **Messagesin** [FM82]. **Metallic** [CMN83]. **Method** [Chu83, Gri83, Len83, Sha81, Ack84, KS86]. **Methodology** [JLN+85, PW88]. **Methods** [Ano83m, BKL+82, Eig83, GL80, Jag84, LM81a, AH86]. **metrics** [Ing86]. **Metropolitan** [DFN81]. **MFSK** [Tim82]. **MHz** [CMN83, CMN84, WCS81]. **Microprocessor** [Bre81, Lec80, Rub82]. **Microprocessor-Based** [Lec80]. **Microscope** [SBD82, dlRR86]. **Microwave** [ADG+83, BCHR83, BMM+83, Chu80a, DRS83, FS83a, GMMR83, GK83, HP83b, HHS83b, HCH+83, KP83, Kne80, Mar83, Rum80, Sch81, Vig81, GY85, Kav85b, RWRH85, YG85]. **Mildly** [Sal82]. **Military** [Lie82]. **Millimeter** [HM80]. **Millimeter-Wave** [HM80]. **minicomputer** [Tol84]. **minicomputer-based** [Tol84]. **Minimal** [Wit80]. **Minimizing** [Wit81]. **Minimum** [Aha82a, ALS80, CMS83, MS82, Str83]. **Minimum-Cost** [MS82]. **Minimum-Delay** [Aha82a]. **Minimum-Distance** [ALS80]. **Minimum-Weight** [Str83]. **Misclassification** [Hea81]. **Mixed** [Hef82]. **Mixing** [WM83]. **mixture** [FM84, Jua85]. **Mixtures** [Whi84c]. **MLS** [FW88]. **Mobile** [GHP80, HG81, LS80b, PS82, Reu83, Sun83a, Sun83b, Tim82, Gla84, Kar86]. **Mobile-Satellite** [Reu83]. **Modal** [CP83a, CP83b, WM83]. **Mode** [CMLF80, CMSP81, GPP87, JCMS82, KC87, LS80c, LTT+83, Oga82, PPC81a, PPC81b, PLR82, Sem83a, WM83, AG84, SS84]. **Model** [Bre81, BS83c, CHN80, Coy82, Gol82, GC80, Gri82, Ram88, Rum82, Smi83, TRW82, Jua84a, Kli85, LF84, Log85, RJLS85, Ros84a, WC85]. **Modeling** [FH88, GC81, Fre86, PK87]. **Models** [Gav85, KSM81, LMM81, PW82, RLS83, Col88, Pet84, RLS84, SA85, WC85, Whi84d]. **Modernization** [BDL+83, GY83, IST+83, LW83]. **Modes** [Len83, PCP80]. **Modulated** [CB83, Kav85a]. **Modulation** [Aca81a, AFPP82, Ben80, BJM+81, GS83b, Log83a, PS82, SW80, SA81b, Ste82, Sun82, Sun83b, CS85, Log84a]. **modules** [ABeB88]. **Molecular** [Pan89]. **Molecular-Beam** [Pan89]. **Moment** [BH84c, Hef82]. **Moments** [SY82]. **Monitoring** [Eic80]. **MOS** [And83, LMM81]. **MOSFET** [OOB83]. **MOSFETs** [Tay84]. **Motion** [NR80, RN82, NS85]. **Motion-Compensated** [NR80, RN82]. **Movable** [Max82]. **Movement** [Ros83]. **Moving** [SSW80]. **Moving-Average** [SSW80]. **MPCS** [DHM+86]. **MSK** [Sun82]. **MSK-Type** [Sun82]. **Mu** [McN80]. **Mu-255** [McN80]. **MULGA** [Wes81]. **Multi** [Hef82]. **Multi-Job-Type** [Hef82]. **multiclass** [RS85b]. **Multihop** [AKH87]. **Multilevel** [GN83, GHP80, Tim80]. **Multimode** [Kas82, WM83]. **multiobjective** [LF84]. **Multipair** [Lin80]. **Multipath** [BMM+83, GC80, GC81, Rum80, Rum82, FPQ+84, Kav85a, KS85, RWRH85]. **Multiple** [AMS82, Dat80, Hey82, Sal82, WW81, WWZ80, Yue80a, Kam89b, Kam89a]. **Multiple-Access** [Hey82, Yue80a, Kam89b, Kam89a]. **Multiple-Input** [Sal82]. **Multiple-Output** [Sal82]. **Multiplex** [DRS83]. **multiplexed**

[Pik84]. **Multiplexer** [WA88]. **multiplexers** [Cho86]. **Multiplexing** [EY81, EH83b, EHS83, Has81, Sch83b, Kam89a]. **Multiplier** [FD82]. **multipoint** [Col88]. **Multiprocessor** [Bac84]. **Multiprogrammed** [Fre80a, RS85c]. **Multistage** [Ste82, Tim81]. **Multitasking** [BM87]. **Multitone** [GC81, Tim82]. **Multivariate** [Lee82, Jua85].

Names [RRW80, SAT83]. **NaOH** [KKLS83]. **National** [BP83]. **Natural** [HBH88]. **Near** [BGGW83, RCS86, Sem83b]. **Near-In** [Sem83b]. **Near-Real-Time** [BGGW83]. **Network** [Alb83, AE83, AM82, BO83, BDL+82a, BPRS83, BP83, BBP+82, BC83, BGGW83, CGH81, CKP88, CRT82, DFS82, EH83a, EY82, FH80, FM82, FHR84, FGP+83, GLM82, GOP87, GFGB83, HSS82, HKRS83, HM83, HMSY82, KBN88, LLS82, LF82, Man89, Mar88, MRW81, Nea80, Nus82, PW82, Pfe83, ST82, Sch83a, SF80, SW82, WA88, Whi83b, Whi83c, WPG87, ACL88, Cal88, CCD+84, Eck86, HB85, Hon84, LMS+89, MZCW84, Sur86, TNG88, WM88, Yoo85]. **Network-interface** [GOP87]. **Networking** [BKP88, DKW88, GS88, GK88]. **Networks** [AKH87, ADG+83, Alb82, AS83, ACM81, AKK81, Ben81a, Ben83, CB81, Chu80b, CD80, Els80, GPP87, Hef82, KSB88, KK82, Kum83, Kur80, Max82, MMR81, MM82, Mea80, MS82, Mor81a, PW88, RM82, Wit80, Aga89, Aki84, Col88, DeT84, DN88, Hei89, HJG88, Kam89b, Kam89a, KV84, Kum88, Whi84d]. **neural** [HJG88]. **Newton** [San80, San81b]. **Newton-Direction** [San80, San81b]. **Nmake** [CF88]. **No** [ACSW82, AFS82, ADRW83, ABC+81, AFHS82, ARW80, BBN82, BW83a, BDV83, BDL82b, BDL+83, BNS82, CH81, CHTW83, CS83, DVW83, DG81, DM83, FKSW81, Gad81, GLM82, GKS83, HHS83a, HMPV81, JKT82, KMM82, Mar81, MRW81, NS82, SC83, Wil82]. **Nodes** [Alb82]. **Noise** [Ben80, Ben81b, Jay83, Oga81, Ste82, Sun82, Bat84, Rai84]. **Noisy** [SSR81]. **Noncolocated** [EH83b]. **nondispersive** [Kav84]. **nonhierarchical** [Aki84]. **Nonlinear** [BB87, LF84, MZ82, Sal82, San81a, San82a, San82b, San85b, Min84]. **Nonlinearities** [Row82]. **nonproduct** [Yoo85]. **Normal** [MM82, SY82]. **Note** [Rab82, RSL83]. **NTSC** [Has81]. **Number** [Rob82, Jay87]. **Numerical** [Ack85, GH81, Kum80, PCPB80, PCPF81].

O [KKLS83]. **Objectives** [BPRS83, DG81, SC83]. **observations** [Jua85]. **Obstruction** [Vig81]. **Occurrence** [Ben81b]. **Off** [PKSG83]. **Off-Line** [PKSG83]. **Offered** [Bur82]. **Office** [BO83, BKV82, CCD+84, GFGB83, HLL+84, McN80, War80]. **offices** [Lav87]. **Offset** [Sem83a]. **OH** [Phi82]. **On-line** [GB82]. **once** [WWKZ84]. **One** [LFG82, LF84, Row84b, Sha88]. **one-dimensional** [Row84b]. **one-way** [Sha88]. **Open** [Whi84d]. **Operated** [WCS81]. **Operating** [BS83a, BW83b, EC83, GKS83, GCD83, HP83a, HPW83, HK83, KAM83, KM83, KBF83, MBD+83, Pfe83, QEG83, Roc82, RBH83, RW83, Sca83, TG83, Wei82, YMNW83, Bac84, BHK+84, GM84]. **Operation** [GMW82, Min84, MSO84]. **Operational** [BDL+82a, BBP+82, LFG82, DFOS85]. **Operations** [FH80, Hol82, McC86, FGNS85, Tol84]. **Operator** [DHK89, BLT89]. **Operators** [Var81]. **Optic** [BS83b, Pau83, TNG88]. **Optical** [CP83a, CP83b, CC80, DKZ80, Eic80, GNS+81, JPW87, Kas82, KBZ80, KFS83, Len83, LBHB83, Nas81, Oga81, OOB83, PLR82, PS81a, Phi82, Pre81, PC82, RCS86, Smi82, SF82, SB80, TZD+83, KD84, SCWB84]. **Optical-Fiber** [Phi82].

Optically [MDSL82]. **Optimal** [CV85, MZ82]. **Optimally** [Lav87]. **Optimization** [ACM81, CMSP81, Pha86, SMNV89]. **Optimum** [GP84, PCPF81]. **Order** [Hon83, Son83]. **Ordered** [Joh81]. **Oriented** [BK83, Fre80a]. **OSPS** [BLT89, BBD+89, CDG+89]. **Outdoor** [Coy82]. **Output** [BW83b, LS80c, Sal82, Rit84b, San85a, San85b]. **Overall** [BDL+82a, BBP+82]. **Overflow** [KSM81, Mor80a, Mor80b, Mor81b, MW82]. **overload** [Aki84]. **Overtone** [SCWB84]. **Overview** [ACSW82, ALS88, BBF+81a, Bod81, CL82, DR81, Gig80, GK88, GY83, Hei89, HMSY82, KAM83, Pra83, RM82, SC83, TG83, CCG+85, Ran84, SKP84]. **Oxides** [RS88].

Package [RM82]. **Packages** [KSM81, Rai84]. **Packaging** [AB89, GNS+81, KBF83, AHC87]. **Packet** [HTB83, KSB88, Kar86, WA88, BN84, Lo87]. **Packet-Switched** [KSB88]. **packet/circuit** [BN84]. **Page** [Roo82]. **Pair** [LFG82]. **PANACEA** [RM82]. **Papers** [Ano80k, Ano80l, Ano80m, Ano80n, Ano80o, Ano80p, Ano80q, Ano80r, Ano80s, Ano80t, Ano81o, Ano81p, Ano81q, Ano81r, Ano81s, Ano81t, Ano81u, Ano81v, Ano81w, Ano81x, Ano82v, Ano82w, Ano82x, Ano82y, Ano82z, Ano82-27, Ano82-28, Ano82-29, Ano82-30, Ano82-31, Ano83s, Ano83t, Ano83u, Ano83v, Ano83w, Ano83x, Ano83y, Ano83z, Ano83-27, Ano83-28]. **Parabolic** [Sem83a, WM83]. **Parallel** [CDH81, Cho86, DH82, FD82, HHL89, LMP83]. **Parameters** [RWA81, RSL84]. **Parasitic** [LFG82]. **Partial** [Sun82]. **Partial-Response** [Sun82]. **Pass** [RW81]. **password** [BCW86]. **past** [Ros84b]. **Path** [Chu80a, Reu83]. **Paths** [LBP80, Rum80, Sch81]. **Pattern** [JSC83, RW81]. **Pattern-Recognition** [RW81]. **Patterns** [CGH81, Eic80, NWB+80, Sha85]. **pay** [Bul87]. **pay-per-view** [Bul87]. **PBX** [KSM81]. **PCM** [SSW84, SWS84a, SWS84b]. **Peak** [Con80, Ste82, SB80]. **Peakedness** [Bur82]. **Penetration** [Wal83]. **People** [Ega83]. **Perception** [JB83]. **Performance** [Aca81a, AE83, Ano83n, AK88, BS88, Ben83, BDE+81, BGGN+86, Col88, DRM83, DG81, DFS82, Fla83, Fre86, FH88, FLGD83, GMMR83, GH82, Hey83, HTB83, KAM83, KSB88, Kav84, KM85, LZ82, Lo87, Loe83, MR83, McN80, PS81b, Rab82, She88, Whi83b, Yav82, Yue80a, Aki84, But84, CCD+84, Fed84, Fos84, Jua84b, Kum88, LL88, RPS84, Ros84a, Tur85, Wer85]. **Period** [Yum80]. **Periodic** [Gra83, San81a, SA85]. **Peripheral** [AFS82]. **Permeability** [Ber82]. **Permittivity** [Ber82]. **permutation** [Jay87]. **Permutations** [JCMQ83]. **Personnel** [CK83]. **Perspective** [Nus82, Pfe83]. **Phase** [JDW89, Kar83, LS80a, LM81b, Log83a, PS81b, Sun82, Sun83b, WSX82, Yue80a, Yue80b]. **Phase-Shift** [Yue80b]. **Phase-Shift-Keying** [PS81b, Yue80a]. **Phased** [DG80]. **Philosophy** [Fra83, O'N80]. **Photodetector** [SF82]. **Photodiodes** [GAB+80, SCS85]. **Photonic** [DSMBB89, Hin87, JDW89, Kam89b, Kam89a, MS89, AB89]. **Physical** [AFHK82, CS82, HP83b, JKT82, LFLB85, Smi82, BH84a]. **Pico** [Hol87]. **Picosecond** [LTT+83]. **picture** [Hol87]. **Pictures** [GN83, JN81, Joh81, JSC83, NB82, Gha84]. **Piecewise** [Lee82]. **Pilot** [LS80b]. **Pilot-Based** [LS80b]. **PIN** [GAB+80]. **PKM** [SS86]. **placement** [HJ88]. **Plan** [BNS82, HKRS83, Hoa81, KP88, LLS82, Pha82, HLL+84, KV84]. **Planar** [KBZ80]. **Plane** [DG80]. **Planning** [ABS82, BW83a, BKL+82, CP86, GH82, HPS86, KP88, War80, BO85, GE87]. **Plant** [Dat80, DFN81, DK83, GL80, Gol82, Bat84]. **Point** [Yue80b, Lav87]. **Polarization**

[SS84, Gre85, Kav85a, KS85]. **polarized** [AS84b, Kav84, KS85]. **Pole** [LFG82]. **policy** [FW88, GGV84]. **Polynomial** [GC80, GC81]. **Population** [Hea81, WR83]. **Populations** [ND81, Wil85]. **Port** [Kur80, ABC89]. **porting** [BHK+84]. **Position** [ADRW83, ARW80, BW83a, Ben80, BDV83, CHTW83, CS83, DVW83, DM83, GKS83, HHS83a, SC83]. **Positive** [Sch81]. **Post** [Jay81a]. **Post-Filtering** [Jay81a]. **postfiltering** [RJ84]. **Potential** [FLGD83]. **Power** [FYC81, Kar83, KLSW89, Lin81, LBHB83, Reu83, Sal80, SS83, SY82, Min84]. **Powered** [MDSL82]. **Powerful** [CDK88]. **Practical** [Tow83]. **Practice** [Eic80, Fuc86, Lin84]. **Preattentive** [JB83]. **Precedence** [Mor81b]. **Precision** [LS80a]. **Prediction** [Sch81, SSW80]. **Predictions** [Sch83b]. **Predistortion** [HHS83b]. **Preemptive** [HTB83]. **Preface** [Mar84, SB82]. **Preparation** [Ker89]. **Presence** [Sze80, Lav87]. **Presentations** [MF82]. **Pressure** [KKLS83]. **Pressure-Volume-Temperature** [KKLS83]. **Primal** [MS82]. **Primary** [MW82]. **principle** [WC85]. **Printed** [Rai81]. **Priority** [HTB83, Mor81a, WA88, Dos85, Lo87, RS85b]. **priority-based** [RS85b]. **Privacy** [CT83, CBB+87, Jay87]. **Private** [KK82, MBJ81, She88, Col88]. **Private-Line** [She88, Col88]. **Probabilistic** [LRS83, MS84, Ros84a]. **Probabilities** [DH82]. **Probability** [Son83, Sun82, GGV84]. **Probing** [GC81]. **Problem** [MZ82, Oza80, Sal83, Sha81]. **Problems** [Log83b, Mor80a, Mor80b, LMS+89, LF84]. **Procedure** [RBW82, RWJ86]. **Process** [And83, DHM+86, LRS83, Nuc81, Fow86, HJ88, Pet86]. **Processes** [Hef80, SSW80, Son83, CV85, KS86, Leu86]. **Processing** [DRM83, LMP82, LMP83, LBHB83, RBH83, Row84a, AAJ+86, CF86, HBH88, JLR+86]. **Processor** [Aag81, Ang81, BBF+81a, BS83a, BBF81b, Bod81, BDE+81, BJM+81, BST81, BGK+86, BW83b, BKO81, Cox81, Cro81, DVW83, EC83, EG81, Fav81, FYC81, Gad81, GCD83, HP83a, HPW83, HK83, KAM83, KM83, KBF83, MBJ81, MBD+83, QEG83, RBH83, RW83, Sca83, Sem81, TG83, YMNW83, BTOA84, SJ85, WM88]. **processor-sharing** [SJ85, WM88]. **Product** [CF88, LMOS83, Mar88, BCH+86, GMT87]. **Production** [CR82, Tho80]. **Productivity** [FS88, FHH+87]. **products** [CLMS87, Log84b]. **Profile** [CP83a, PPC81b, Pre81]. **Profiles** [PPC81a]. **Program** [AM82, BDL+82a, BBP+82, CRT82, DR81, DFS82, DS84, EY82, FM82, GLM82, Geh81, GFGB83, Gri83, HSS82, HMSY82, LLS82, PK84, Pra83, ST82, SW82]. **Programmable** [Kar80b]. **Programmer** [MT80]. **Programming** [Elk80, Jon88, Sha81, Ves88, LF84]. **Programs** [Rei81, Car84]. **Project** [KPW85]. **Projection** [IG82, Mor82]. **Prologue** [AM82, BHS82, Mar83, Mar81, Sca83]. **proof** [CC85]. **proof-test** [CC85]. **Propagation** [Ber82, CMLF80, NWB+80, TA82, FPQ+84, Pet84]. **Properties** [Chu83, EY81, PLR82, RSL83, RJLS85]. **Proportions** [Hea81]. **Proposed** [Kur85]. **Protocol** [FHK+84, Hey82, Kur85, ASG85]. **protocols** [Hol85]. **Proton** [DJ80, HHG83]. **Proton-Bombarded** [HHG83]. **Prototype** [Gog82]. **prototyping** [BCMZ88]. **Provide** [Jay81b, RB82]. **Providing** [Tho80]. **Pseudo** [Rob82]. **Pseudo-Random** [Rob82]. **Public** [KRS83, CCD+84]. **Pulled** [JCV80]. **Pulse** [AFPP82, BJM+81, CB83, GS83b]. **Pulse-Code-Modulation** [BJM+81]. **Punctures** [Ung80]. **Purpose**

[LMP82, AAB+86]. **Pyramidal** [But81, Sem83b, Sha85, Sil84].

QAM [FPQ+84, Fos84, Kav84, Pra80]. **QMP** [Hoa81]. **Quadrature** [Aca81a, Mey82, Kav85a]. **Quality** [Eck86, EHS83, Fuc86, GMT87, Hoa81, Pha82, PKSG83, RS88, SSR81, Sur86, FT87, God86, GST86, Ing86, Pet86, SS84, WRM84, Wil85]. **Quantitative** [CHM83]. **Quantization** [McN80, RLS83, RPS84, RS85a, SRJR87]. **Quantizer** [RSL83, RSL84]. **Quarter** [DL84]. **Quarter-wave** [DL84]. **Quartz** [KKLS83]. **Quest** [KC88]. **Queue** [Dos83, HTB83, Mor80b, MW82, Fle84, Jag85b, Lo87, SJ85]. **Queueing** [AS83, BS83c, FM84, Fre82, Hef82, Kum83, MM82, RM82, Whi83b, Whi83c, Jag85a, RS85b, WC85]. **Queues** [Jag82a, KW84, Whi84b, Whi84c, Whi84d]. **Queuing** [Hef80, MMR81, Mor81a, Mor80a, Mor81b].

Radiated [Reu83]. **Radiation** [But81, Sha85]. **Radio** [ADG+83, BCHR83, BMM+83, CMN83, DRS83, FS83a, FS83b, GMMR83, GK83, GHP80, HP83b, HHS83b, HCH+83, HG81, KP83, Mar83, PS82, Rum82, SS83, Sch81, Sun83a, Sun83b, Tim82, Vig81, Wal83, Wan83, AS84b, FPQ+84, Fos85, Gla84, Gre85, GY85, Kar86, Kav85a, Kav85b, Row84b, RWRH85, YG85]. **Radio-Line** [HP83b]. **Rain** [Aca81b, LBP80]. **Raman** [SCWB84]. **Random** [Mey82, Rob82, Son83]. **Range** [BW83a]. **Rapid** [Mue81b]. **Rate** [Aha82a, AS83, CB83, DGH+82, GS83a, Jay81b, Jay83, KSB88]. **Rationale** [Mac83]. **Rayleigh** [SSW84, SWS84a, Sun82, SWS84b, Yue80a]. **RC** [Ste82]. **RC-Shaped** [Ste82]. **read** [HJ88]. **read-site** [HJ88]. **Reading** [CK83]. **Readings** [AT&T86]. **Real** [AKK81, BBN82, BGGW83, CKKS88, GKS83]. **Real-Time** [AKK81, BBN82, CKKS88, GKS83]. **Realization** [CGH81, BCH+86, GMT87]. **Realized** [LFG82]. **Reasoning** [Ega83, Bra88]. **Receiver** [BST81, HCH+83, OOB83, Sun82]. **Receivers** [CC80, Oga81, Oza80, SF82]. **Reciprocal** [Mea80]. **Recognition** [BR82b, Hol83, KP88, LRS83, MR81, MRR81, RW81, RBW82, RRWK82, Rab82, RLS83, RRW80, TRW82, WR83, AO85, AAB+86, BTOA84, Jua84a, Rab84, RWT84, RLS84, RSL84, RS85a, RWJ86, SRJR87]. **recognize** [Wil85]. **Recognizer** [DRM83, RWA81]. **recognizers** [RPS84, Ros84a]. **Reconstruction** [NB82]. **Record** [Lin82]. **Recorded** [RB82]. **Recovery** [GM87, HPW83, Wil82, Log84d, Log84b, Log84c]. **Recursive** [Hon83, Shi82]. **Reduce** [DG80, SWS84a]. **Reduction** [Sem83b, SB83, SB80]. **Refinement** [Geh81]. **Reflection** [Cla83, KD84]. **Reflections** [Sem80]. **Reflector** [But81, Dra81a, Sem80, Sem83b, Sha85, Sil84]. **Reflectors** [DG80]. **Refractivity** [Sch81]. **Region** [LTT+83]. **Regular** [DH82]. **Rehabilitation** [SF80]. **rehoming** [Lav87]. **Related** [Geh81, Hef80]. **Relational** [Lee83]. **Relationship** [KKLS83]. **Relationships** [Inf80]. **relay** [Col88, DN88, Kum88]. **Reliability** [AM80, BKV82, CLMS87, CS83, SCS85, Tor81, Toy87, AH86, HFE85]. **Reliable** [DKZ80, KBZ80]. **Relief** [Koo80]. **Remote** [ACSW82, AFS82, AFHS82, BDL82b, BDL+83, BNS82, Gig80, JKT82, KMM82, NS82, Pfe80]. **remoted** [Leu86]. **Repair** [BR82a, BBOV82, BM82b, CHW82, DRT82, FV82, GH82, GB82, Hol82, LZ82, Mar82, Ove82, Pau83, RD82, Rub82, SB82, Uhr82]. **Repertory** [RWR80]. **Repertory-Dialer** [RWR80]. **Report** [RD82]. **Reports** [Ega83, GFGB83]. **Representation** [Rum80, Bra88, Sha85]. **Representations** [MMR81, MM82, RJLS85, San85b].

required [Whi85]. **requirements** [MS84, PK87]. **Research** [KC87, AR86, BBW88, IABB+89, Li87, McC86, Rei85]. **Reservation** [LS80c]. **Resource** [Aca81b, SW81, CV85]. **resources** [GE87]. **Response** [Sal80, San81a, Sun82, Ben84, But84, SA85, SJ85]. **Responses** [GC80, GC81]. **Results** [Gin83, Has81, Hef80, KLRS81, NR80, Row82, Wan83, MM85]. **Retrial** [Liu80]. **retrieval** [RWT84]. **Retrofitting** [DVW83]. **Retrospective** [Ega83, Ker89]. **Reuse** [Aca80, ABeB88]. **Reveal** [Ega83]. **review** [FT87]. **Ribbons** [BS83b]. **ring** [WC85]. **robin** [Fle84]. **robot** [And88, Bro85]. **Robotic** [LBHB83, Dec88, Str88]. **Robotics** [CC88, CKKS88]. **Robust** [KS86, Mor82]. **Role** [NS86]. **round** [Fle84]. **round-robin** [Fle84]. **routine** [Lin84]. **Routing** [ACM81, AKK81, FM82, Aki84, GGV84, Kam89a]. **Rule** [Ves88]. **Rule-Based** [Ves88]. **Rules** [Mey82]. **running** [FHR84].

s [BBDS86, CCJS82, DGH+82, BC85, FPQ+84, Wan83]. **Sable** [CF88]. **Saddle** [Yue80b]. **Saddle-Point** [Yue80b]. **Safe** [Alb82, Wei82]. **Saito** [Jua84b]. **Sample** [SB83]. **Sampling** [Lie82, ND81, HLL+84]. **Sandia** [TNG88]. **SARTS** [Gig80]. **Satellite** [Aca81b, DG80, EH82, EH83b, EHS83, LBP80, Reu83, TA82, Yue80b]. **Satellites** [Aca80]. **saturated** [Tay84]. **Scalar** [PCP80]. **Scale** [BBF+81a, BBW88, Gav85, Kli85]. **Scaling** [MF81]. **scan** [BH86, GP84]. **scan-width** [GP84]. **Scanned** [SBD82]. **Scanning** [Con80, PS81a, dlRR86]. **SCARAB** [FLRT81]. **Scatterers** [Blu80a]. **Scattering** [Blu80a, Eic80]. **Scheduler** [Hen84]. **schedules** [Ack85, Dos85]. **schedules-high-priority** [Dos85]. **Scheme** [SA81a, Tim80, RS85b]. **Science** [Ano83n, Ano83q, Ano83o, Ano83p, CHM83, CK83, DK83, Ega83, Eig83, Fla83, Fra83, FLGD83, Gin83, Han83, Hol83, JB83, KRS83, Koh83, Loe83, Mac83, Pau83, Ros83, SAT83, Sum83, Rei85]. **Scramblers** [JCMQ83]. **Scrambling** [CT83, Cho86, Jay87]. **screen** [EEF+86]. **SDLC** [Kum88, WA88]. **Search** [ALS80, FT83]. **Secant** [PCP80]. **Second** [Rub82]. **Second-Generation** [Rub82]. **Secondary** [Mor80b]. **Section** [GL80]. **Secure** [KBN88]. **Security** [ALS88, BN88, PW88, RW84, BCW86, GM84, KC88]. **segmental** [RWJ86]. **Selected** [DRM83]. **selection** [GP84]. **Selective** [Sem83b]. **Self** [Jay81b]. **Self-Contained** [Jay81b]. **semantic** [WRM84]. **Semantics** [FLGD83]. **Semiconductor** [DSMBB89, SW83, CEGM89, JLN+85]. **Sense** [Hey82]. **Sensitive** [Hol82, EEF+86]. **Sensitivity** [CC80, Lon80, SF82]. **Sequence** [Aca81a]. **sequences** [Rab84]. **Sequential** [CB81, IG82, JCMQ83, Mor82]. **Serial** [Aha80]. **Series** [CDH81, DH82, Kne80, Log83b, KLSW89]. **Series-** [Kne80]. **Series-Parallel** [CDH81]. **Serve** [SA81a]. **Service** [ADRW83, ARW80, BBP+82, BW83a, BR82a, BBF81b, BST81, BDV83, BBOV82, BM82b, CHW82, CHTW83, CRT82, CS83, DVW83, DRT82, DG81, DM83, EY82, FV82, GH82, Gig80, GKS83, GB82, HSS82, HHS83a, Hol82, LZ82, Mar82, Ove82, RD82, Rub82, SB82, SW82, Smi83, SC83, Uhr82, Fle84, Ran84, Whi84a, Whi85]. **Services** [Eig83, IG82, Nuc81, Wor82, BLT89, CDG+89, DHK89, Hei89, MZCW84, ML84]. **Servicing** [AKK81, Sze80, Sze82]. **serving** [Lav87]. **Sets** [Mea80]. **Several** [Hea81, MR81, RS85a, Whi85]. **Shallow** [DJ80]. **Shape** [JCV83, Koh83, KW84]. **Shaped** [Ste82]. **Shaping** [SW80]. **Share** [Hen84]. **Sharing** [Aca81b, SW81, Rit84a, SJ85, WM88]. **Shield** [Ung80]. **Shielded** [Sem83a]. **Shift** [Ben80, PS81b, Yue80a, Yue80b]. **Shifted**

[RCS86]. **Short** [DKZ80, OOB83, Sze82, Tay84]. **Short-Channel** [OOB83, Tay84]. **Short-Haul** [DKZ80]. **Short-Term** [Sze82]. **Shunt** [Kne80]. **Shunt-Tuned** [Kne80]. **Si** [OOB83]. **Si-MOSFET** [OOB83]. **Sideband** [ADG+83, BCHR83, BMM+83, DRS83, FS83a, GMMR83, GK83, HP83b, HHS83b, HCH+83, KP83, Mar83, PS82]. **Sidelobe** [Sem83b, Sil84]. **Sidetone** [Mea80]. **Sight** [Rum80, Sch81]. **Signal** [Aag81, Ang81, BBF+81a, BBF81b, Bod81, BDE+81, BJM+81, BST81, BGK+86, BKO81, Cox81, Cro81, DRM83, EG81, Fav81, FYC81, Gad81, JCV83, KBG+88, Lon80, MBJ81, Sem81, SSR81, Ste82]. **Signal-to-Noise** [Ste82]. **Signaling** [CRT82, Fan81, FM82, GLM82, Fos84]. **Signals** [CB83, EY81, EH83b, EHS83, Fla80, GC81, Has81, JS82, Kur80, Log84d, Log84b, Log84c, MF81, Sch83b, Ste82, SB83, TA82, Wal83, WSX82, Kav84, Kav85a]. **Silica** [PCPF81, SCWB84]. **Silicon** [BBF+81a]. **Simple** [Fre80b, Sha85, Log85]. **Simulation** [Aha82b, FH80, Has81, LMM81, LM81a, LMP82, LMP83, DeT84, Gre85, GY85, RWRH85]. **simulation-based** [DeT84]. **Simulations** [EG81]. **Simulator** [Aag81, Man89]. **Simultaneous** [LM81b, SW80, SV81]. **Simultaneously** [PLR82, Whi85]. **Single** [AO85, AAB+86, ADG+83, BCHR83, BMM+83, CMSP81, DRS83, DC80, FS83a, GMMR83, GPP87, GK83, HP83b, HHS83b, HCH+83, JCMS82, KC87, KBZ80, KP83, LG84, LTT+83, Mar83, Oga82, PPC81a, PPC81b, PLR82, PS82, RS85a, Tow83, AG84, Eis84, SS84]. **Single-board** [AAB+86]. **Single-Chip** [DC80, AO85]. **Single-frame** [RS85a]. **Single-Heterojunction** [KBZ80]. **single-layer** [Eis84]. **Single-Mode** [CMSP81, GPP87, JCMS82, KC87, LTT+83, Oga82, PPC81a, PPC81b, PLR82, AG84, SS84]. **Single-Sideband** [ADG+83, BCHR83, BMM+83, DRS83, FS83a, GMMR83, GK83, HP83b, HHS83b, HCH+83, KP83, Mar83, PS82]. **SiO** [KKLS83]. **Site** [CM80, HJ88]. **Size** [Koh83, RLS84]. **Sizing** [Noe81]. **Skills** [CK83]. **SLC** [AS84a, BH84a, BBB+84, Can81, COW82, LOS84, MMTV84, MSO84]. **SLC-96** [Can81, COW82]. **Slots** [Max82]. **Slow** [Sun82]. **Small** [BO83]. **Smoothing** [Feu83, Gra83]. **SNA** [Kum88]. **SNA*** [WA88]. **SNA*/SDLC** [WA88]. **SNA/SDLC** [Kum88]. **Soft** [SWS84a, EEF+86]. **Software** [Aag81, BT83, BR82a, BDL82b, BCMZ88, CH81, CRT82, CKKS88, FS88, FT87, Fra83, GKW82, Gin83, HHS83a, HPU81, LSY88, Mac83, QEG83, RM82, RW83, ABeB88, BBW88, DFOS85, EP84, Ing86, Leu86, RS86, SKP84]. **Sojourn** [RS85c, Fle84]. **solder** [Ray88]. **solid** [Min84]. **solid-state** [Min84]. **soliton** [Pet84]. **solitons** [Pet84]. **Solution** [MZ82, PCPB80]. **Solutions** [Log83b]. **solver** [DS85]. **Solving** [LMS+89, LF84]. **Some** [BBW88, Maz82, Mor80a, Mor80b, ND81, NR80, Rab82, RJLS85]. **sort** [Lin84]. **Source** [GS83a, Oza80, Wit80, WW81, WWZ80]. **Source-Coding** [Oza80]. **Sources** [AMS82]. **South** [Car80]. **Space** [War80, GY85, YG85, Chu80a, Kar83, Rum82]. **Space-Diversity** [Rum82]. **Spaced** [GW81, GMW82]. **Spanning** [Str83]. **Spanning-Tree** [Str83]. **sparing** [Tol84]. **Spatial** [DG80, RN82, Row84b, Sha85]. **SPC** [DFS82, GLM82, HSS82, SW82]. **Speaker** [RLS83, RRW80, RLS84, SRJR87]. **Speaker-Independent** [RLS83, RRW80, RLS84]. **Speaking** [BGS+89]. **Special** [BBF81b, FS83a, Feu81, Gig80, IG82, LMP82, Nuc81, Smi83]. **Special-Information-Tone** [Feu81]. **Special-Purpose** [LMP82]. **Special-Service** [BBF81b, Gig80, Smi83]. **Special-Services** [IG82]. **specification**

[BCMZ88, Kur85]. **Specified** [Son83]. **Spectra** [JCMS82, SCWB84]. **Spectral** [EY81, LTT+83, SW80, Son83]. **spectrometer** [Row84a]. **Spectrum** [Ein80, KM85]. **Speech** [AAJ+86, AR86, BKO81, Cox81, CCJS82, CF86, GS83a, Hol83, JC80, Jay81a, Jay81b, JCMQ83, JLR+86, LS80c, LRS83, MF81, Max80, SSR81, SV81, SB83, WSX82, AO85, AAB+86, BGS+89, Jua84a, Jua84b, RPS84, RJ84, WRM84, Wil85]. **Speed** [DKZ80, GAB+80, SF81, Kav85b]. **Spelled** [RRW80]. **Splice** [Kum80]. **Splices** [WM83]. **Splicing** [Pau83, AFM87]. **Splines** [Gra83]. **Splitting** [Wit81]. **Spoken** [RRW80]. **Spotting** [MRR81]. **Spread** [Ein80, KM85]. **Spread-Spectrum** [Ein80]. **Square** [Ben81a]. **Squares** [Ben80, Hon83, MR83, Mue81a, Mue81b]. **SSB** [LS80b]. **Stability** [Kar80a]. **Stabilized** [SW83]. **Stable** [GMW82]. **Stages** [Ben81a]. **Standard** [Ing86, KRS83, Lie82, BBDS86]. **Standards** [Ald86, BN88, JLR+86]. **Star** [Alb83]. **StarKeeper** [Mar88]. **Start** [Sal83]. **Start-Up** [Sal83]. **State** [Kar80a, CS85, Min84]. **States** [Ben81a]. **station** [Gla84]. **Stationary** [Ack84]. **Statistical** [AH86, FLGD83, Lin80, Lin81, Rum82, Var81, WA88, Eck85]. **Steady** [Kar80a]. **Steady-State** [Kar80a]. **Stepwise** [Geh81]. **sticky** [Wit84]. **Stochastic** [AMS82, GH81, MY83, Jua85]. **Storage** [Ano82f, BHS82, BKV82, CS82, GKW82, Max80, Nus82, Wor82, Wit84]. **Store** [Roo82]. **Stored** [AM82, BDL+82a, BBP+82, CRT82, DFS82, EY82, FM82, GLM82, GFGB83, HSS82, HMSY82, LLS82, ST82, SW82]. **storeroom** [Pul88]. **Strategies** [Uhr82, Wil82, SWS84b]. **Strategy** [BT83]. **Stream** [Rit84b]. **stress** [CC85]. **Structural** [BB87]. **Structure** [CH81, CP83a, CP83b, Roc82, Shi82]. **Structured** [ND81]. **Studies** [Aha82b, ABS82, CMSP81, EY82, LBP80, Pha86]. **Study** [AM80, BS88, CK83, EH81, Gin83, KFS83, MR81, Pre81, Var81, Gre85, GY85, Wil85, CCD+84, HLL+84]. **Stylistic** [CK83]. **Sub** [Cro81]. **Sub-band** [Cro81]. **Subjective** [CHN80]. **submarine** [HFE85]. **Submersible** [FLRT81]. **Subnetworks** [Coh82]. **Subrates** [AGS82]. **Subsampling** [Jay81b, RN82]. **Subscriber** [Aha82b, AS84a, BH84a, BBB+84, LOS84, MMTV84, MSO84]. **Subsequent** [SB83]. **Substitution** [JSC83]. **Subsystem** [ABC+81]. **Subsystems** [YMNW83]. **Suburban** [BDL+83, CD80, GY83, IST+83, LW83, CMN84]. **Sum** [Lin81]. **Summary** [LBP80]. **Sums** [SY82]. **Supply** [GK83]. **Support** [Bod81, Coh82]. **suppression** [Sil84]. **Surface** [Dra81b]. **Surveillance** [BGGW83]. **survey** [Bat84]. **survivable** [Aga89]. **Switch** [Hol82, BN84, CP86, DHK89, HPS86, WM88]. **Switched** [KSB88, LFG82, Pfe80, Cal88, CCD+84]. **Switches** [Ben81a]. **Switching** [ACSW82, AFS82, AFHS82, BDV83, BDL82b, BDL+83, BNS82, Chu80b, JKT82, KMM82, NS82, Smi82, Wil82, BHK+85, CCG+85, DFOS85, FGNS85, Gla84, GGV84, HLRW85, Hin87, MMTV84, TNG88]. **Symbolic** [Wes81]. **Symmetric** [Sal80]. **Synchronization** [EH83b, MRW81]. **Synchronous** [Kar80a, Yum80, Col88]. **syntactic** [WRM84]. **Syntax** [BK83]. **Syntax-Directed** [BK83]. **Synthesis** [BKO81, RS88, Kow88]. **System** [AT&T86, ACSW82, ADG+83, AFS82, ADRW83, Aho84, AFHS82, AE83, And83, AMS82, Ano82f, AGS82, ARW80, AM80, BCHR83, BBN82, BS88, BO83, BDL+82a, BPRS83, BS83a, BP83, BW83a, BHS82, BC83, BDV83, BM82b, BKV82, BDL82b, BDL+83, BW83b, BNS82, BMM+83, BGGW83, Can81, CHW82, CR82, COW82, CHTW83, Coh82, CS82, CBB+87, CS83,

DVW83, DM83, DRS83, DGH+82, EH83a, Ein80, EC83, EY81, EH83b, EGKS81, FS83a, FV82, Fre82, FGP+83, GMMR83, GKW82, GKS83, Gog82, GK83, GFGB83, GCD83, HHS83a, HP83a, HKRS83, HPW83, HP83b, HM83, HHS83b, HCH+83, Hen81, HK83, Hol82, JKT82, KAM83, KMM82, Ker89, KP83, KM83, KKLS83, KBF83, LS80c, Lie82, Lin82, Mar83, MR83, Mar88, Mar82, Mar84, MBD+83, Mor81b, MW82, NS82, Nus82, Pfe83, Pfe80, PK84]. **System** [QEG83, RWR80, RW84, Roc82, RBH83, RW83, Rub82, Rze83, ST82, Sca83, Sch83a, SC83, Tim80, Tim81, Tim82, Tol84, TG83, Ves88, WH82, Wes81, Wil82, Wor82, YMNW83, Yue80a, AS84a, AAB+86, BH84a, BH84b, BHK+85, BBD+89, BC85, Ben84, BCW86, BHK+84, BBB+84, BH86, CCG+85, CHL+89, DTV85, DFOS85, Fed84, FMM84, FF88, FHR84, FGNS85, GM84, GE87, HJ88, HLRW85, HLL+84, HHL89, Jay87, LOS84, MMTV84, MSO84, PR86, PK87, RS85b, RS85c, Rit84a, Rit84b, SMNV89, Yan85, AK88, Bat84, BBB+85, DHM+86, FMM84, FW88, Gig80, Hol83, KBN88]. **System-1B** [AM80]. **System/370** [FMM84]. **system/C** [FF88]. **Systems** [AFPP82, ADG+83, AFS82, Aho82, AHC87, BBN82, CR82, Coh82, CT83, Fre80a, Fre80b, FGP+83, FLGD83, Gog82, Gol82, GFGB83, HP83a, HK83, HTB83, Kas82, LDGF82, Lin82, Oga82, PS81b, Ram88, Reu83, Roc82, Roo82, Sal82, SS83, San81a, San82a, San82b, San87, SW81, Sun83a, Sun83b, WH82, War80, Wei82, Yav82, And88, Bac84, Cal88, Eck86, Fos85, FHH+87, Fre86, Gav85, Gla84, GMT87, HFE85, HB85, Li87, MS84, NS86, Rog87, Sur86, Tol84, Whi84a].

T [DR81, Yan85]. **T-Carrier** [DR81]. **T1** [EGKS81, KLRS81]. **Tailoring** [RCS86]. **Takes** [Mor81b]. **Tap** [GMW82, GM87, OW84]. **Tap-Leakage** [GMW82]. **tasks** [Dos85]. **TCM** [EHS83]. **TD** [Wan83]. **TDM** [Max82]. **TDMA** [BH84b, Hon84]. **Technical** [CK83]. **Technique** [ALS80, EH81, Fre80b, Jag82b]. **Techniques** [CGH81, DRM83, EH82, JPW87, LZ82, MF81, Pau83, SV81, Uhr82, BGGN+86, Cho86, GST86]. **Technological** [Ano83q]. **Technologies** [DSMBB89, Dut89, BGS+89, BCMZ88, CC88, Hei89, MS89, SP89, SKP84]. **Technology** [Ano83p, HHC87, KR80, KBF83, LSY88, Str88, AB89, AFM87, BH88, CF86, DD87, GMT87, Hin87, Tho87]. **TELBECC** [Gri83]. **Telecommuncations** [MBD+83]. **Telecommunications** [PC82, LMS+89]. **Telephone** [Ben83, BBF81b, CHN80, Eig83, Gol82, Gri83, Inf80, Mea80, Tor81, WR83, WRM84, Wil85, You84]. **telephone-quality** [WRM84, Wil85]. **Telephones** [KRS83]. **Teleterminal** [BT83]. **Teleterminals** [HAK83]. **Television** [RN82, Rze83, Sch83b, SNR80, Bul87]. **Temperature** [KKLS83]. **Templates** [RRW80]. **temporal** [RPS84]. **Terabit** [AKH87]. **Term** [Sze82]. **Terminal** [AFHK82, AFHS82, DRS83, Pik84, TNG88, BM87]. **Terminals** [Fla83, GLMS82, GOP87]. **Termination** [WPG87]. **Terrestrial** [San87]. **Test** [FS83a, KM83, Pfe80, CC85]. **Testing** [ADRW83, DRT82, Eig83, Gig80, Pra83, Rob82, Rub82, Uhr82, DTV85]. **Tests** [QEG83]. **Text** [BK83]. **Text-Oriented** [BK83]. **Textons** [JB83]. **Textures** [JB83]. **TFM** [Has81]. **TFSP** [CT83]. **Their** [EH82, Kum83, Leu86]. **Theoretical** [Eis84, Gri82, HM83]. **Theory** [AMS82, Cla83, Eic80, Lee83, LRS83, Lin84, MZ82, MS81, Pra83, AS84b, Fuc86, Log84c]. **Thermal** [Coy82, GNS+81, Len85]. **Thermally** [BS83b]. **Thermoelastic** [JCV80]. **Thin** [AFPP82, RS88]. **Thin-Film** [AFPP82]. **Three** [Ber84, But81, Cox81, EHS83, Oza80, Rei81, NS85].

Three-Address [Rei81]. **Three-Dimensional** [But81, NS85]. **Throughput** [AS83]. **Ticket** [SA81a]. **tie** [MS84]. **Tight** [PLR82]. **Time** [AKK81, BBN82, BGGW83, CKKS88, Ein80, EY81, EH81, EH82, EH83b, EHS83, Fre82, GKS83, Has81, JCMQ83, MR81, MRR81, Rab82, Rum80, San82b, Sch83b, BTOA84, But84, Jag85b, Jua84a, RS85c, Rit84a, SJ85]. **Time-** [Rum80]. **Time-Companded** [EH82]. **Time-Compressed** [EY81]. **Time-Compression** [EY81, EH81, EH83b, EHS83]. **Time-Frequency** [Has81, Sch83b]. **Time-Frequency-Coded** [Ein80]. **time-sharing** [Rit84a]. **Time-Varying** [San82b]. **Time-Warping** [MR81, BTOA84]. **Times** [Jag82a, Fle84]. **Timing** [GM87, Ros83]. **token** [DeT84, WC85]. **token-ring** [WC85]. **Tolerant** [Wil82]. **tomography** [SS86]. **Tone** [BST81, Fav81, Feu81, Gad81, HKMP85]. **Tool** [RD82, EP84, KC88]. **Tools** [BW83a, BR82a, BGK+86, CK88, GST86, Ker89]. **Topics** [Geh81]. **topologies** [Kam89b]. **Total** [AE83, BO83, BPRS83, BP83, BC83, BGGW83, EH83a, FGP+83, GFGB83, HKRS83, HM83, Pfe83, Sch83a]. **Totempole** [LMM81]. **Touch** [BST81, EEF+86]. **touch-sensitive** [EEF+86]. **Touch-Tone** [BST81]. **Tracing** [Hol85]. **Tracking** [ABS82, GM87, LM81b]. **Traffic** [ADRW83, ARW80, BW83a, BDV83, BS83c, CHTW83, CS83, DVW83, DM83, GKS83, HHS83a, Hef80, Mor82, Mor80b, MW82, SW81, SC83, FM84, Hon84, Jag84, Whi84a]. **Training** [RBW82, RWT84, RWJ86]. **Transaction** [Fre80a, MY83]. **Transaction-Oriented** [Fre80a]. **Transceiver** [Gad81]. **Transfer** [ASG85, Gri82]. **Transform** [Jag82b, MF81, Jag85a, Log84c]. **transformations** [DS84]. **transformer** [DL84]. **Transient** [Car80, Gri82, Jag82a, Nuc81, WM88]. **Transients** [CM80]. **Transmission** [BBF81b, BNS82, CTM81, CMSP81, CMN83, EH81, GL81, GS83a, GS83b, JS82, Joh81, KFS83, LM81b, McN80, SSW84, SV81, TZD+83, Wan83, AS84b, CCD+84, DeT84, KS85, Pet84, Rog87, Sal85b, SWS84a]. **Transmissions** [EH82]. **transmitted** [SWS84a, SWS84b]. **Transmitter** [HCH+83, KR80]. **Transmitter-Receiver** [HCH+83]. **Transmitting** [WSX82]. **transmultiplexers** [BMD84]. **Transponder** [EHS83]. **Transport** [Hey83, Ran84, SKP84]. **Transversal** [GW81, FPQ+84]. **Traveling** [BCHR83, HHS83b]. **Traveling-Wave-Tube** [BCHR83, HHS83b]. **Treatment** [BBF81b]. **Tree** [Str83]. **Trees** [FT83]. **Trellis** [CMS83, CS85]. **trial** [Bul87]. **Triplication** [Toy87]. **Tristate** [LMM81]. **Trouble** [AE83, RD82]. **Troubleshooter** [Mar88]. **Truck** [DFN81]. **Trunk** [Els80, GPP87, KRS82, KV84, Nea80, Sze80, Sze82]. **Trunking** [BC83]. **TSPS** [CRT82]. **TTL** [LMM81]. **Tube** [BCHR83, HHS83b]. **Tuned** [Kne80]. **Turning** [Koh83]. **Tutorial** [Ang81]. **TV** [EY81, EH81, EH82, EH83b, EHS83, Has81]. **Two** [FT83, GH82, Has81, Jay81b, JSC83, Kur80, Oza80, Pau83, RW81, WW80, CV85, Lo87, Sem85, WC85]. **Two-Level** [JSC83]. **Two-Pass** [RW81]. **Two-Port** [Kur80]. **two-priority** [Lo87]. **Type** [Hef82, Sun82, KLSW89]. **types** [FM84].

UHF [LS80b, Reu83]. **ULSI** [RS88]. **Ultimate** [Aca80]. **Ultra** [JCMS82, RS88]. **Ultra-Thin** [RS88]. **Ultra-Wide** [JCMS82]. **Uncertainty** [Noe81, Sze80]. **Undersea** [Chu83, CC85]. **Unidirectional** [LF82]. **Unified** [CKP88, MS81, Jua84a]. **Union** [Tur85]. **Unit** [RBH83]. **Units** [AGS82, DGH+82, HCH+83]. **Universal** [ABC89, Hei89]. **UNIX**

[AT&T86, Aho84, Bac84, BHK+84, Fed84, FMM84, FF88, Fra83, FHR84, Gin83, GM84, Ker89, Mac83, Mar84, PK84, RW84, Rit84a, Roc82, Wei82, BS88, Ram88, Ves88]. **Update** [Bre81]. **Upper** [AS83, CMS83]. **Urban** [CD80]. **Usage** [MM82, You84]. **Use** [BR82b, DG80, GB82, Kum83, MRR81, RLS84]. **User** [BF80, Yav82, BGS+89, But84, Far89, IABB+89]. **user-interface** [BGS+89, Far89, IABB+89]. **Using** [Aca81b, BS88, CP83a, CT83, EH81, EH82, GAB+80, GC81, HSS82, HPU81, Len83, LMP82, LMP83, LS80c, LTT+83, MR83, OOB83, Pha82, PKSG83, RRW80, RB82, SA81a, Sha81, SW82, Shi82, SV81, SNR80, Ben84, Gla84, Jua84b, RPS84, RS85a]. **Utilities** [EC83]. **Utilization** [Yum80]. **Utilizing** [GKS83].

V [AB89, BS88, CEGM89, DSMBB89, Dut89, FW88, JDW89, SP89]. **V/MLS** [FW88]. **vacation** [WC85]. **Vapor** [JDW89]. **Variable** [GS83a, Jay83, KSB88, Mey82, SA81b, Gha84]. **Variable-Bit-Rate** [GS83a, KSB88]. **variable-length** [Gha84]. **Variables** [LMOS83]. **variants** [KLSW89]. **Variation** [KRS82, Max82]. **Variations** [CP83a]. **Varying** [RWA81, San82b]. **Vector** [PCP80, RLS83, RSL83, SRJR87, RPS84, RSL84, RS85a]. **Velocity** [Tay84]. **Velocity-saturated** [Tay84]. **Verification** [ARW80, JCMS82]. **Versions** [Rob82]. **Versus** [Hal83, Toy87]. **Very** [BBF+81a, Yav82]. **Very-Large-Scale-Integration** [BBF+81a]. **via** [Ack84, Mey82]. **Video** [JS82, PC82, HB85, Pet84]. **Videotex** [Gog82]. **view** [Bul87, Jua84a]. **Viewed** [Fre80a]. **Virtual** [She88, WA88, Col88, Kum88, FHK+84]. **Virtual-Circuit** [WA88, Kum88]. **Vision** [BJW88, JB83, BH86]. **visual** [Ray88]. **Viterbi** [Tur85]. **VLSI** [DC80, GST86, Kow88]. **Vocabularies** [RRWK82]. **vocabulary** [RLS84]. **Voice** [Ano82f, BHS82, BCW86, BBF81b, BKV82, CS82, CT83, CBB+87, GKW82, KSB88, Max82, Nus82, RWR80, Wor82, CCD+84, DeT84, HB85, Hon84, Jay87, ML84, PR86]. **Voice-Controlled** [RWR80]. **Voice-Frequency** [BBF81b]. **Voice/Data** [Max82, ML84]. **voice/data/video** [HB85]. **voiceband** [CCD+84]. **Voltage** [Ung80]. **Volterra** [San82b]. **Volume** [KKLS83]. **vowel** [RS85a].

Wafer [dlRR86]. **Waiting** [Fre82, Jag82a, Jag85b]. **Walls** [CMN83]. **Warping** [MR81, MRR81, Rab82, BTOA84, Jua84a]. **Water** [SB80]. **Wave** [BCHR83, HHS83b, HM80, DL84]. **Waveforms** [JC80]. **Waveguide** [CP83a, CP83b, Nas81, KD84]. **Waveguides** [Dra81b, LBHB83]. **Wavelength** [OOB83, SF82]. **Way** [Sal80, Sha88]. **Weather** [Sem80]. **Weather-Cover** [Sem80]. **Weight** [JCV83, Str83]. **Weight-Gain** [JCV83]. **Weighting** [SWS84b]. **Which** [Mor81b]. **White** [Ben80]. **Wide** [Blu80a, JCMS82, Sil84]. **wide-angle** [Sil84]. **Wideband** [MDSL82, Min84]. **width** [GP84]. **window** [LL88]. **window-based** [LL88]. **Wire** [OW84, WPG87]. **Wire-tap** [OW84]. **wireless** [KM85]. **without** [Fos85]. **Word** [CB83, DRM83, FLGD83, MR81, MRR81, RWA81, RW81, RRWK82, Rab82, RLS83, TRW82, BTOA84, Rab84, RPS84, RSL84, RWJ86, Ros84a, WRM84]. **word-detection** [WRM84]. **Words** [BR82b, RLS84]. **Work** [Aho82]. **workbench** [FF88, BF80, Fra83, Gin83, Mac83, MT80, O'N80, Tho80]. **working** [Lin84]. **workproducts** [Fow86]. **Workstation** [LFHV88, Dec88]. **Workstations** [BJW88, AAJ+86]. **Worst** [Wit81]. **Worst-Case** [Wit81]. **write** [WWKZ84]. **write-once** [WWKZ84].

Writer [Fra83, Gin83, Mac83].

Year [LBP80]. **Yields** [Max82].

Zero [Aha82a, Nas81, Ber84, LF84]. **Zero-** [Aha82a]. **zero-one** [LF84]. **zones** [Pul88].

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