A Bibliography of Publications in the IBM Journal of Research and Development

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA
Tel: +1 801 581 5254
FAX: +1 801 581 4148
E-mail: beebe@math.utah.edu, beebe@acm.org, beebe@computer.org (Internet)
WWW URL: http://www.math.utah.edu/~beebe/

30 August 2019
Version 1.142

Title word cross-reference

(−1, 1) [MY65], (0, 1) [GS72a], (b, k) [AC84]. (E, kx, ky) [ZVW+11].
−∞ < N < +∞ [Kog57, Kog58b]. 0.11μ [BDN+02]. 0 < N < 1 [Kog58a]. 1 − μm [GSC80, JHH+81]. 14 [FRS+18]. 2
[HS60, MDJ+70]. 22 [FCE+15]. 25°K [MDJ+70]. 2k [AEG+02]. 2k−1 [AEG+02]. 3
[CS03, DWA+08, EFR+05, EK08, HS60, KYY+08, RG09, SAT+08, SJMBK08, ZVW+11]. 32 [LBB+13]. 360° [RCP+16].
51/4 [FMPS93], + [HC69, Lesh71]. 0 [Wei65].
2 [ABB+08]. 1 [CSH+89]. 1−x [LKPP69, MB75, Mat70, Vur70]. 12
[MDJ+70]. 2 [ABK89, BH89, Bru72b, Bru78, CKG+99, CL64, CSE66, CDM89, CFH64,
CCD57, CSH+89, DYHS78, EB99, FA70, GSC+90, GBC65, HC70, KG80, KLBP64, KL80, Kus70, MRH89, MJS70, OG80, RF78,
SJ70, SARG80, Tu90, Vur70, WD70, YDHS78, ZBL+72, vHv+89]. 2−x
[ACM+89, BEH+89, EHK+89]. 3 [CSE66, CDM89, CCD57, CSH+89, GSC+90, HD69,
KBS+99, LD74, Mat70, MKP73, WTP64]. 4
[ACM+89, BEH+89, EHK+89, FA70, Kus70, Vur70, WD70, WTP64]. 5 [BH89, KLBP64, MRH89, MKP73, ZBL+72, vHv+89]. 6
[YAJ90]. 7 [CDM89, CSH+89]. 7−δ
[BH89, GSC+90, MRH89, vHv+89]. c
[BCSE89, FRRF89, FL89, HHB+89, KC89, Kats89, Kel89, KIF+89, Meh89, Mor89]. p
[FL89]. th [Fuj92]. x
[ACM+89, BEH+89, EHK+89, LMPP69, MB75, Mat70, SG77, Vur70]. A [LO72]. b
\[ \beta \text{ [Phi78]. } e^N \text{ [Kog57]. } f_i \text{ [Phi78]. } \]  
\[ g \text{ [SBR64]. } \gamma \text{ [NBF+00]. } \]  
\[ i = \int_0^\alpha \exp(\beta - R_i) - 1 \text{ [Mil67]. } \kappa \text{ [GNF06]. } \]  
\[ L \text{ [AO97, AO01]. } \]  
\[ M \text{ [Kog59]. } \mu \text{ [HWC88, PZK+03, SHWK+90, SWC+95, TMF+95]. } N \text{ [FRE+08, CDS73, CDSS00, FCP97, FA70, KO65a, KO65b, MC68, RGL75, Spe69, VCP80, Kog59]. } \]  
\[ p \text{ [KO65a, KO65b, MG63b, MC68, VCP80, Vur70]. } \pi \text{ [HC69]. } Q \text{ [SLLP64]. } T_e \text{ [GSG+90]. } \times \text{ [Sch91, SHDK95]. } z \text{ [Dan66]. } \]  

-adjacent [AC84, Bos70b]. -alloy \text{ [TCCH98]. -based \text{ [CGK+99, YAJ90]. -body \text{ [FRE+08]. -Channel \text{ [RGL75, CDSS0, CDSS00]. -D \text{ [ZVW+11]. -factor \text{ [SBR64]. -Film-Based \text{ [Bhh79a]. -GaAs \text{ [Spe69]. -GeTe \text{ [CSE66]. -inch \text{ [FMP93]. -n \text{ [KO66, MG63b]. -nm \text{ [FRS+18, FCE+15, LBB+13]. -Si \text{ [RF78]. -SnTe \text{ [CSE66]. -stable \text{ [LO72]. -supported \text{ [HKv+91]. -Switching \text{ [SLLP64]. -transform \text{ [Dan66]. -Type \text{ [FP69, FA70, Vur70]. } \]  

/\text{Cd} \text{ [Vur70]. /Cr [Vur70]. /CuO \text{ [BEH+89]. /In [LMPP69]. /O \text{ [ZBL+72, Bra72b]. /Sb [LMPP69]. /Se [FA70, Vur70]. } \]  

0.1- [SHWK+90, SWC+95]. 0.12- [PZK+03]. 0.25- [HWC88]. 0.5- [HWC88]. 0.7-Microsecond [RRSW61]. 000-Word [FP57].  


4 [BHP83, FKOP90]. 4-Mb [FKOP90].
4.2K [EBd+86]. 400 [BLM+92, Ste01].
405LP [NCB03]. 4096-color [KFYU92]. 41
[Ano97a]. 4250 [GT87]. 44
[Ano00a, Ano01a, Ano01b]. 45
[Ano01a, Ano01b]. 45-nm [IFB+11]. 4765 [ABC+12]. 4D
[Dic91].
5.25- [BBT85]. 50-Megacycle [WRLA57].
500 [CP13]. 500-picosecond [RHC73].
5000-Circuit [Dan81]. 60-nsec [ABPS66].
6000 [BBT85]. 6000-Bit-Per-Inch [BS70].
603e [JO96]. 64-bit [GHL+04]. 64K
[LST80]. 64Kb [SHDK95]. 65-nm [BFG+06, FAD+07].
670-nm [KACS95]. 690 [BKRF02]. 6G
[HA71].
7 [HHM70]. 77K [Mar64c].
8-inch [BBT85]. 80 [AH9+91].
800-Bit-Per-Inch [BS70]. 805g [Lan96].
8B [WF83]. 8B/10B [WF83].
90-nm [FAD+07]. 9000 [ADG+92a, Att92,
BBMP92, BRB92, CTS+92, Cov92,
DGG+92, GZM92, HOWP92]. 91
[AST67a, AEGP67]. 9121 [CW91,
GGRW91, Haj91, NHH91, Sar91b, TSC91].
A10 [BCJ+96]. ABC [KL94]. Aberrations
[Arm65, Bru97]. ABC [CM98, Mar98].
ablation [DAB+97, SPP97]. Abort [Sah76].
Above [Sie70]. Abrasive [Ros78]. Abrupt
[CC76a]. Absorbers [Key63]. Absorbing
[PCDW78, Dav69, Her66]. Absorption
[Bro62, GL62, WB70, BH89, DP68].
abstract [Br69]. Abstracts
[Ano57a, Ano57b, Ano93a, Luh58a]. AC
[AS78, HO75b, Lan74, LS78, OPR+78,
O’H78, RP78, SS78, Won90]. AC-Coupled
[HO75b]. academic [ITS+15]. accelerate
[Oha10]. Accelerated
[Gil79, ZMM+96, CBD+09, PK18].
Accelerating [PMS+08, RG09, SMP+04].
acceleration [CJH+15, Gsc16, KKS02,
NFS+17, PLK09, SSI+18]. Accelerator
[SBJS15, CCF+10, GKT17, SKP+15].
accelerators
[BAB+13, EWT+07, Gsc09, PBK+09].
Accelerometer [Lew80]. Accelerometry
[HL77]. Acceptor [Sou64]. Acceptors
[FP866, PF66, Tit63]. Access [ABE+02,
Ano66j, Bla65, CERS76, FC79, GLP76,
Her65, Hoo61, LH57, LST80, LN79, ND57,
Pet57, Ris84, SS76, Str83, WT77, BMS+17,
CDD+10, CTT91, Coo90, DMR+81, FR01,
Hat72, Hoo00, LKY80, MDB+02, MBC+96,
ND00, RBB+08, ND00, LH00]. access-time
[Coo90]. Accessibility [KM82].
Accessing [CM80]. Accommodation
[BS85]. accomplishments [SCM+82].
accountability [AAJ+14, DYK10].
Accounting
[Dui59, LH57, LH00, ND57, ND00].
Accumulating [Kuh88]. Accumulation
[LMD70]. Accuracy [RK74, Sit87].
accurate [LO72]. Accurately
[BD96, Cli90, SW90]. Acetylene
[Dem78, GMP90]. achieved [HRF+17].
achieving [BWT+14]. Acid
[BBD63, HHA93]. Acknowledgment
[RS79]. ACORN [HY84]. Acoustic
[MN67a, MM64, MW70, PAZ72, PK61,
Tie61, HKA+13, Tur69]. Acoustic-Mode
[PK61, Tie61]. Acoustical [PH65].
Acoustoelectric
[MSW69, RK69, Spe69, ZZ69, Bra69, Lew73].
ACP [AGAP63, CP63, MT64]. Acquisition
[DGB78, BKM+69, CCFS12, Kon69, Nic92,
Rei69, SG71, WN92, CMP87]. across
[HRF+17]. Acting [SWD74]. Action
[DC73b, TMW+17]. Activated
[PRY65, SST69]. Activation [SD71, RC17].
Active
[Dod63, HJ88, Har65, Hud63, LCL+98,
MWN63, WWA+98, AIH+98, BAB+13,
BCCK92, CAW+98, MO99, NAB+15.

Active-matrix
[LCL+98, AIH+98, CAW+98]. activities [APR96, SSK+16]. Activity
[RCH+86, LRNS17]. Actual [MW79], actually [Per04]. actuation [RBB+11].

Actuator
[Hea76, MJ64, BM68, FMPS93, ZH89].

Adapter
[HTH+09, ZST+07, BAB+18, OCB+90]. adapters [HSI+05, SAB+07]. Adapting
[Os93, DBC+06]. adaption [MLW+14].

Adaptive
[EÖH10, FWR+16, Activity
[KAB+RQBW08, STCR84, Tis90, DM01, KFSZ92, HHT+].

Admittance
[Bos70a, AC84, Bos70b]. adjustment [Kar73]. Admittance [Hud63], adoption
[GBW+17, RM90]. adsorbed [MHW95].

Adsorption
[Brüt78, SSFF11]. Advanced
[AAB+05, ATW97, BAH82, DMG+17, GBS+87, GNF06, HWC88, HNR+97, KMO+14, KGCS85, SRO93, SSN+15, TAE+07, GBB+05a, HRC+08, KPT+02, KRT98, LLF+92, MAG+01, ONS99, Sou96]. advancements [ABB+12a, ABG+09].

Advances
[Ano93c, BGL07, CCC+15, RQBW08, STCR84, Tis90, DM01, KFSZ92, KAB+12, SP17]. Advancing
[BAB+18, BGL+92, CAK+15, PCW+17]. advantage [HST06]. adverse [SLZL18]. advertisement [RAMD19]. Aerial
[BDS+97]. Aerodynamic [Len74]. Aerosols [HC78]. Affacting [GOJN77]. AFM [VDD+00]. Africa [ZW17], after
[LAN66]. Ag [Vur70], Ag-Pd [Kah71]. against [Ctp94]. age [SN15]. agent
[BW16, GB93]. agent-based [BW16]. agents [Hor98]. Aggregating [Oha10]. Aggregation [BBG60, Cla03, KOP14].

Agile
[EMM+18, WBT+10, AAB+14, GMR10]. agility [OEN+16]. Aging [Gil79, CHI+01].

AHAFS [JDPB10]. Ahead [LT70]. Aid
[KC66a, DH69]. Aided
[KO70, Rue79, SLG78, Dec90, FPST14, FCH70, Ho73, KLRS96, Sch96a]. aiding
[DRSM15]. Aids [HS81b]. AIM [KJS09]. AIM-HI [KJS09]. AIMS [BDS+97].

Air
[BM86, FL74, FK62, KU63, MW62, NH91, PH79, SHC+92, Cxz+17, Coo90, Fle71, GGRW91, Ha91, KLM+91, PH81].

Air-Bearing
[FL74, Coo90]. Air-Cooled
[NHH91, GGRW91, Ha91, KLM+91].

Airborne
[Ben59, AKKJ72, NT72]. airline
[LB07]. AIX [Aus90, CMR+90, He94]. AI
[Don62, BdM+78, CSE66, CFH64, HRS+95, TCC98]. AI-AI [CSE66]. Al-alloy
[HRS+95]. Al-Cu [BdM+78]. ALDC
[SK98]. Alfvén [WS64].

Aerodynamic
[HC78]. Affecting
[GOJN77]. AFM
[VDD+00]. Africa
[ZW17], after
[LAN66]. Ag
[Vur70], Ag-Pd
[Kah71]. against
[Ctp94]. age
[SN15]. agent
[BW16, GB93]. agent-based
[BW16]. agents
[Hor98]. Aggregating
[Oha10]. Aggregation
[BBG60, Cla03, KOP14].

Agile
[EMM+18, WBT+10, AAB+14, GMR10]. agility
[OEN+16]. Aging
[Gil79, CHI+01].

AHAFS
[JDPB10]. Ahead
[LT70]. Aid
[KC66a, DH69]. Aided
[KO70, Rue79, SLG78, Dec90, FPST14, FCH70, Ho73, KLRS96, Sch96a]. aiding
[DRSM15]. Aids
[HS81b]. AIM
[KJS09]. AIMS
[BDS+97].

Air
[BM86, FL74, FK62, KU63, MW62, NH91, PH79, SHC+92, Cxz+17, Coo90, Fle71, GGRW91, Ha91, KLM+91, PH81].

Air-Bearing
[FL74, Coo90]. Air-Cooled
[NHH91, GGRW91, Ha91, KLM+91].

Airborne
[Ben59, AKKJ72, NT72]. airline
[LB07]. AIX
[Aus90, CMR+90, He94]. AI
[Don62, BdM+78, CSE66, CFH64, HRS+95, TCC98]. AI-AI
[CSE66]. Al-alloy
[HRS+95]. Al-Cu
[BdM+78]. ALDC
[SK98]. Alfvén
[WS64].

Aerodynamic
[HC78]. Affecting
[GOJN77]. AFM
[VDD+00]. Africa
[ZW17], after
[LAN66]. Ag
[Vur70], Ag-Pd
[Kah71]. against
[Ctp94]. age
[SN15]. agent
[BW16, GB93]. agent-based
[BW16]. agents
[Hor98]. Aggregating
[Oha10]. Aggregation
[BBG60, Cla03, KOP14].

Agile
[EMM+18, WBT+10, AAB+14, GMR10]. agility
[OEN+16]. Aging
[Gil79, CHI+01].

AHAFS
[JDPB10]. Ahead
[LT70]. Aid
[KC66a, DH69]. Aided
[KO70, Rue79, SLG78, Dec90, FPST14, FCH70, Ho73, KLRS96, Sch96a]. aiding
[DRSM15]. Aids
[HS81b]. AIM
[KJS09]. AIMS
[BDS+97].

Air
[BM86, FL74, FK62, KU63, MW62, NH91, PH79, SHC+92, Cxz+17, Coo90, Fle71, GGRW91, Ha91, KLM+91, PH81].

Air-Bearing
[FL74, Coo90]. Air-Cooled
[NHH91, GGRW91, Ha91, KLM+91].

Airborne
[Ben59, AKKJ72, NT72]. airline
[LB07]. AIX
[Aus90, CMR+90, He94]. AI
[Don62, BdM+78, CSE66, CFH64, HRS+95, TCC98]. AI-AI
[CSE66]. Al-alloy
[HRS+95]. Al-Cu
[BdM+78]. ALDC
[SK98]. Alfvén
[WS64].

Aerodynamic
[HC78]. Affecting
[GOJN77]. AFM
[VDD+00]. Africa
[ZW17], after
[LAN66]. Ag
[Vur70], Ag-Pd
[Kah71]. against
[Ctp94]. age
[SN15]. agent
[BW16, GB93]. agent-based
[BW16]. agents
[Hor98]. Aggregating
[Oha10]. Aggregation
[BBG60, Cla03, KOP14].

Agile
[EMM+18, WBT+10, AAB+14, GMR10]. agility
[OEN+16]. Aging
[Gil79, CHI+01].
AGZ94a, AGZ94c, BK74, Bra94, DH03, GS72b, GS72a, Gup97, [Gus97, Gus03, KB74, LQRS04, RS94, SG94b, TR77]. **Aliasing** [DWW90]. **Aligned** [TDN+87]. **Alignment** [BCH84, And10, LCL+98]. **Alkaline** [WA79]. **Alkane** [VM79]. **all-sky** [SJZ+15]. **Allocation** [CFL73, van72, van73a, ADG+95, BCE+97, DHMP94, GHH+17, GSAB93, KdAC]. **Amorphous** [BK76, CCG73, CH76, Fri69, OHSP76, Sch75, VGC79, KOT99]. **amounts** [BBC+08]. **Amplification** [Bre60, Pri65, RK69, Smi57, ZZ69, Ito97, Ito00, Lan60, Tur69]. **amplified** [HHSW01, Ito01]. **Amplifier** [Gra80, TC63]. **Amplifiers** [JGD+08]. **amplitude** [BS71a]. **AMR** [Ibe03, ILH03]. **Analog** [ARV64, Wal58, HNS+03, HB73]. **Analog-to-Digital** [Wal58]. **Analogon** [BDH83]. analyses [BBMP92, Gro59, PMS+17]. **Analysis** [AW82, AKB+17, AH79, AGAP63, BBC+09, Bos97, BK61, BCGS81, Cal81, Cas60, CFL73, CHW75a, CHW75b, Cha62, Cha74, Cha75b, CW85, Chi86, CDW75, CW77, CMS85, CPL+14, Cve87a, FE75, Gar57, Gar64, Gau77a, GLS74, GLP76, GS87, GA84, GL87, Gru79, Gus76a, Gus76b, HS81a, HP66, HW81, HS61, HSC82, Hoo66, HS82, HO75b, HS71, How84, Hua79, Ken61a, KO65a, KO69b, KO70, KGT88, Kur87, KM74, Laos, Lan74, Lee7b, LS76b, Man85, Mat85, McA83, MW79, NB61b, Oh84, PL83, PH65, Pin76, RP70, Rue79, SC75, SFD77, Sop59, SM66, Sta87, SM63, SG64, Tak87, Tan74, TKG89, Thu60, Tir61, TAR84, VSF65, Wat60a, Wee79, WCW82, WC75, WA79, Yas85, Zor57, AAA+17, ABM88, Bal91, BFR13, Bir01, BGL66, BBS+03, Bro72, Bur72, BCGS00, CGM+15b]. **analysis** [Cha73a, CGLL93, Cop00a, Cor93, Dan66, DDB+02, Die91, ESA02, Fer70, GMNE63, Gre60, HMO81, HMO81, HKA+13, HRF+17, Ho73, KFB+97, KM68, KWT+11, KBF+92, KS01, LPM+12, LFF90, LSW13, LD72, Lon77, MYKK+17, MHI01, Mat03, MXW+17, MDMN10, Mon82b, MFL+12, Okt71, PSP06, PAZ72, Pig88, Sch96a, Sed67, SBG+71, SLZL18, SSB+12, Sta75, TWX+10, TK00, TTT8, Tue66, VPD88, WLH+17, WTT+14, WC69, YBF+14, You90, ZBL+72]. **analytic** [Bar78, Mat03]. **Analytical** [LD72, MHI01, SLHM67, Tro00b, VMS+14, Bat00]. **Analytics** [AGH+16, BR71, EDGL+13, KAF+16, AHN+03, ADF12, BCC+12, BSY+15, BGL07, BEJ+14, CDL+14, CJH+15, CHM+16, CP13, DGH+14, DJL+16, DNZ+19, GGr+13, GWB+17, GSC12, GAJ+16, HZG+16, KBJ+18, Kan15, KRTN+12, LPA+15, MHR+15, Pon17, RRMD17, RCP15, SJW+16, SKP+15, Sof13, SS15, SMX+14, SIKdL16, Yar12, ZSY+13, BBE+13]. **analytical-based** [KRTN+12]. **analyzes** [SSK+16]. **analyzer** [Ahn71, MMUS88]. **analyzers** [DWW90]. **Analyzing**
CDG83, Cve87a, DLW86, ES92, FGM+83, Gum83, Gyg08, HF94, JB07, LSG+10, MMR89, Ono03, Pad83, SW83, Tay84, UMK+85, VDG19, WFS7, Wri83, YS99, ARG00, BDN+02, CNV+15, CGM+15b, CPT+08, CBD+09, EBD+95, FPST14, FXB+10, GBC+05, Gsc16, HHH86, JS14, KdAC+15, LNT08, MSB+04, MME+97, NAB+15, OG90, PVDF95, RD12, RBL+09, SHL07, VTC09, CRDI07, HFF94, HJK+01, IMSV10, JMP96, PERW02, SY92.

8

Austin [Ros03]. authentication
[CLP+ 13a, OYHSB14, WSE+ 16]. Author
[Ano92a, Ano93b, Ano94a, Ano94b, Ano95a,
Ano97a, Ano98a, Ano99a, Ano00a, Ano01a,
Ano02a, Ano03a, Ano05a, Ano06a, Ano07a,
Ano08a]. Authors
[Ano57c, Ano57d, Ano57e, Ano57f, Ano57g,
Ano57h, Ano57i, Ano57v, Ano57u, Ano58a,
Ano58b, Ano58c, Ano58d, Ano59a, Ano59b,
Ano59c, Ano59d, Ano60a, Ano60b, Ano60c,
Ano60d, Ano60e, Ano61a, Ano61b, Ano61c,
Ano61d, Ano62a, Ano62b, Ano62c, Ano63a,
Ano63b, Ano63c, Ano63d, Ano64a, Ano64b,
Ano64c, Ano64d, Ano64e, Ano65a, Ano65b,
Ano65c, Ano65d, Ano65e, Ano66a, Ano66b,
Ano66c, Ano66d, Ano66e, Ano66f, Ano66s,
Ano66t, Ano66u, Ano66v, Ano66w, Ano66x,
Ano67g, Ano67a, Ano67b, Ano67c, Ano67d,
Ano67e, Ano67f, Ano67w, Ano67x, Ano67y,
Ano67z, Ano67v, Ano67-27, Ano64k, Ano64l,
Ano64m, Ano64n, Ano65k, Ano65l, Ano65m,
Ano65n, Ano65o, Ano86b, Ano90c, Ano92e,
Ano92f, Ano92g, Ano93e, Ano94r, Ano94s,
Ano94m, Ano94n, Ano94o, Ano94p].
authors [Ano94q, Ano95i, Ano95g, Ano95h,
Ano95j, Ano95k, Ano96g, Ano96h, Ano96i,
Ano96j, Ano96k, Ano97f, Ano97g, Ano97h,
Ano97i, Ano98g, Ano98h, Ano98i, Ano98j,
Ano98k, Ano99f, Ano99g, Ano99h, Ano00i,
Ano00f, Ano00g, Ano00h, Ano01i, Ano01j,
Ano01l, Ano01m, Ano01k, Ber76a, Wie76].
autoconfiguration [BBC+ 12a].
Autocorrelation [BR82]. Automata
[RS59a, Ros66, Rot66a, She59a, DWW90,
EM65, HMP90, SG94b]. Automated
[CTD+ 16, GAC85, GHLW84, GLM+ 96,
GBJ+ 08, HL83, LS75b, Pri94, TS82,
WLPL+ 80, WZ78, DF15, HD73, HRS07,
KL63]. Automatic
[ABCR65, AAA+ 17, BBD63, CFW82, Che72,
Dah63, DMWW77, DMP59, FKGF12,
GFS71, Hei76, HL77, Kar73, LW77, Luh58a,
Maz70, Sar91a, Sar97, SBG+ 13, SFH65,
Tar63, TYSS19, Urs75, War63, CL86, ET69,

Gus97, HRWZ87, KWB+ 15, MC87, RSL+ 70,
Sed67, ST72, SKSP06]. automatically
[CJ91]. Automation
[APS86, Ano71, CGG+ 64, CCG+ 81, GLL80,
Gra69, HBT+ 16, MW82, SG71, SB86, Tay84,
DeM91, GGKK96, Gra71, HNS+ 03, HHM70,
HYA03, NNGV19]. Automorphisms
[Hal60]. Autonomic
[MC09, Kis03, WSCK17]. Autopass [LW77].
autoradiographic [LPPT86]. Availability
[GL87, HCTS81, KMH82, AAF+ 09, CAK+ 15,
DP13, FCS+ 04, OHK+ 07, Pig88, VWE02].
available [ACFS16]. Avalanche
[BS69, KO65b, KO66]. avalanching [Vin81].
Average [Her65, Don69, SS86].
average-value [Don69]. averaging [LO72].
aware [KdAC+ 15, VTC09]. awareness
[BPG+ 16, RVT+ 13, YCJ+ 17]. Axially
[Key61b]. Axioms [Mor73]. Axis
[Kan78, MSW69]. Axisymmetric
[BT78, BBT83]. Axp [Pat85]. Az-Type
[PL79]. AZ1350J [DS77]. azimuth
[CBV08].
B [Bos70a, YTF+ 11]. B-Adjacent [Bos70a].
[HRZ14]. Ba
[BPL+ 89, CSH+ 89, KBS+ 99, GSG+ 90].
Back [Ano14a, Ano15a, Wym57, Ano14b,
Sie63, TMW+ 17]. back-propagation
[TMW+ 17]. backend [Koe18]. Background
[McN94]. backlighting [TMS98].
backpropagation [NFS+ 17]. Backscatter
[Far82]. backscattering [ZBL+ 72].
backtracking [SS86]. backup [Ste01].
baking [HHSW01]. balanced
[DGL+ 97, Ris73, WF83]. Balancing
[ZS03, CHG04]. Ball [CGLL93, Cor93,
LCB93, Mah93, RBWH93, GLCW93].
Ballistic [HF90, Lud00, RMR94]. Bamba
[WLKS98]. Band [Adl70, CFG64, CCE+ 88,
HK64, McC64, Rem67, WB70, Haa70,
LMPP69, Nob95b, ZH89, ZVW+ 11].
banded [RSS91]. Bandlimited [Sta67].


Bands [PB69, FA70]. Bandwidth [Ism00]. Banking [SMX+14]. Barium [Cam57, DH57]. Barrier [BKMS0a, CP86, AA71, GBW+99, JP94, DS70, Mid79, WD70]. Barriers [But88a, CSE66, OSP+98]. Base [DC73a, Eas75, GLP76, GS74, Hal76, HKM+86, LS76a, LS76b, LN79, MM75a, McGl81, Sow76, VM79, WW75, AT00, Ber76a, DCL77, FGP+85, Wie76].

Baseband [KGF77]. Based [AGLM85, Blt79a, Eas78, EP86, HL77, HSC1b, Lom80, Pet76, RP66, Shi85, Strs83, ACM01, AIH+98, AKE+92, AEH+04, AIH+14, BEE+02, BW16, BC18, BH03, BBG+14, BCC+01, CKG+99, CJ83, FPG01, GP81, HRZ14, HP01, Ibe03, JS14, JZ91, KBK+97, KAB+05, LS81, MDH+12, MYKK+17, MS05, MBF+07, Mey00b, MTB+90, MS07, NFI+08, NMV+09, Ngu99, Nob95b, OR92, PSA+08, PW72, RCP15, SLP06, SAA+18, SvNH13, SG94b, SJZ+15, SMX+14, TOK18, Tib93, TMS+01, WZC+10, WLI+17, WP11, WML+16, WNV+02, YGR14, YA90].

Basel [RCH+86]. Basises [ADST78a, MR76a, ADST78b, FBH04]. Basic [FHVZ80, BK61, GR90, PMLA88].


Beamforming [Raa93]. Beams [Le 62, WSB90, ZSZ96]. Bearing [Bau63, FL74, Lan63, Coo90].

Bearings [SWD74, SM63, TT74, VG74, BCT89, BHH059, Dec90, Gro59, Mic59].

Beauty [FvGM90]. Becoming [DSZ+12].

Bed [Sti79]. Behavior [Cha62, Col62, Eas78, Fer75, GR58, Goo62, LM85, Lev64, MID65, SM63, WA79, ASR07, BSY+15, Bau72, BP74, BP88, BGL66, BEJ+14, CP97, CF72, CR15, FP73, Ito01, KAF+16, Mor89, SMV90, Vie86, Vur70, WZC+10, YBF+14, Yoo90].


Bentonite [SH63]. BEOL [GON+09].

Berlekamp [Gus7a, Gus76b]. Best [Cve87b]. Better [EG00, Jaq03, KLR94].

Between [CLW79, KLC84, Lev83, Mic78, AAM+07, BBT60, BCT89, Br04, Brul78, DP13, EC71, KSH+09, Les71, Lew75, Lew12, Mei62, MJK93, Nfe90, Pes71]. Beyond [Ano06b, HHH04, Pad81, RD12, Won02, BFG+06, BLDM97, CS03, FOKP90, GR90, HND+06, TMF+95, WGF+06, WNV+02].

Bi [AW82, BS64, Sui75, ZBL+72]. Bi- [Sui75].

bi-level [AW82]. Bias [ASV76, Dun57b, DMN+59, Ker64, MU77, Fuj92]. biased [Yas07].

BiCMOS [DAC+03, FMP+03, HNS+03, Nis02].

Bicubic [DB76]. biflow [Ari69]. Big [GRS13, Nuu09, BFR13, Fre04, MCG+15, OTC14, SMX+14, VPV+19, YMR14, CDL+14, GGH+13, HAG+13, HCG+13, JS13, Mal13, RCP15].

Bilevel [ATL+88].

Binormal [MP86]. Bin [KM77]. Binary [AMG+87, Gr90, HA58, LT70, Rut57, Smu57, Wya64, BL69, Dan82, Lin81, PMLA88].

Binary-Image-Manipulation [AMG+87].

Binary-Weighted [Smu57]. binodal [TMB+99]. bioinformatics [EBH+16].

biological [ABM+01, Bir01, DBNK+17, HdtR06, NMT14, SPS+06, ZHP+18].

Biology
Brownian [RVV88]. Brute [DB01]. BSRA [VDG19]. Bubble [ASV76, BL62, CERS76, CLW80, CC76a, Sch75, WY76, BK76, BBP72, BW81b, CCG73, Lin76]. Bubbles [CH76, JHH+81, MW62, Okt71]. bucket [HCL72]. budget [KSB07]. budgeting [LB07]. budgets [PKKX07]. Buffer [CW77, FLW78, SL76, Tue76, VLT+12]. bug [SKP06]. build [AKRS04, BCK+05]. build-up [BCK+05]. Builder [HKM+86].

Building
[ABD+16, Jur78, KFH+06, KMM+16, KAA+18, NMH+07, ACFS16, BCC+01, FGC92, HSS+10, NMV+09, TMS+01].

building-block-based [TMS+01]. Built
[FPS66, KS90, CVN+15, HMP90, RB90].

Built-in
[FPS66, KS90, HMP90, RB90].

Bulk
[Cha74, Pai69, Sta75, GC68].

bumping [GGB+05b]. buoyant [Fro71].

Burning
[GFHW82, VM79]. Burst
[CT65, WYN64, Gor63]. burst-error
[Gor63].

Bursts
[MG63a, Meg60]. Bus
[GPE99, HS81a, SLC+97, RKW99].

bus-driven [SLC+97]. Business
[ADF12, LuH58b, PuH07, RM10, SH57a, CKE+12, DDDK12, Den80, DCC+17, DKR12, FvGM90, HSS+10, MD12b, SKP+15, TCP+16, Vay12, WAB+09, ZBG+10].

BYOD
[JKB+13, CJK+13, SSK+16]. Byte
[Pat86, DMR+81].

C
[Ber76a, Wie76, CFK+91, FL89]. C4
[DWA+08]. Ca
[BPL+89, Mat70]. cable
[DDA+93]. cables
[Das+94]. Cache
[FHYZ80, VMH+83, BGAJ94, BM96, BBC+12b, CT06, DGL+97, FLMK06, MBJ+07, MWS09, MMR89, Mat89, MHI01, SG94a, SSD+15, Thi88, TMB+99, VHS1, WMB+15]. cache-miss
[Thi88]. caching
[SNC+14]. CAD
[CS84]. Cadmium
[Mas62]. cage
[HDW+07, SBC+12, WBH+04]. Calcium
[SS61]. Calculation
[Bei74, Fro84, KRC68, LS78, Mar64b, Ove70, MM75b, RE71, Shi73].

Calculations
[Hut74, KO66, KM66, Phi78, RS85, SM63, Fre96, Led71, Rue72].

Calculus
[Rot66a]. calibration
[Vie86]. call
[LPMG14]. calls
[Lom77].

Calorimetric
[Map62]. camera
[LP+15, MWH95]. campus
[RBB+11].

campus-wide
[RBB+11]. Can
[Goo58, Gru04]. cancellation
[Nob95a]. Cancer
[Pic87, OMA+96]. candidate
[BS+08, CCFB+12, MKW+12].

Cantilever
[BP84, SST69]. Capabilities
[CBBS90, AAB+05]. capability
[CCC+15, FDS+13]. capable
[RHC73].

Capacitance
[AO60, CB85, FT77, Mar64b, GAOD71, KMK68, KO69a]. capacities
[Sho04]. Capacitor
[DK67, FMP61, Has62, Has66, HOWP92, KBS+99]. Capacity
[ABG+09, MT77, LSS14, Sho04]. CaPd
[WTP64]. CAPI
[SBJS15]. capsule
[SR71].

capture
[KBF+04]. Capturing
[AC92].

Car
[BBK+08]. Carbide
[Rut64]. Carbon
[CSY79, HG83, LY83, SCH+09, GMP90, GRI99, KLE71]. Carbon-13
[LY83].

Carbon-Loaded
[HH83]. Card
[BM84, FMP61, Has62, Has66, HPZ+05].

cardiac
[NNN+06]. Cards
[Has62, RBWH93]. care
[EE15, SBB+12, TOK18]. Carlo
[Ken61a, LFF90, MNR86, MS96]. carpal
[BC00]. carpool
[FW83]. Carrier
[FT64, Hai85, KO65b, ATW+08, LDSA02].

carriers
[KAB+05]. Carry
[Car00].

Carrying
[Kuh88]. Cartridge
[WC+86].

Case
[Keh65, KF77, MDH+12, DCC+17, HMO81, HoF60, LB07, MOG+19, SKK14, SNN13, VPV+19, WLH+17]. Case-based
[MDH+12]. Cases
[Rob67]. Casey
[DCB77].

catalysts
[OHWR88]. Catalytic
[DS65].

Cathode
[HMR82, TH11]. Cathodes
[CBCM79]. Cathodic
[AGLM85]. Cation
[SK69]. Cauchy
[Ge73, Sug59]. Causal
[EPP10]. cause
[Por17]. Caused
[Boe69].

caustic
[KJP11]. CC
[KFB+97].

CC-NUMA
[KFB+97]. CCITT
[WZ78].
Mey90, Mey00a, Ngu99, YAJ90.
chemical-mechanical [GPL+92].
Chemical-Vapor-Deposited [KEJ87].
chemically [HHSW01, Ito01].
Chemisorbed [Dem78, Lan86].
Chemisorption [BBS78, Win78].
Chemistry [CFG64, CD85, Hir77, KTS84, KJSG+88, Spr61, FL69, HMK01, Oku69, VBDA05, YA90].
Chem-Play [NSS58].
Chip/Card [Nef90].
Chip [ABB+99, BM84, BGR82, Ber85, CW83, DKN87, DB82, IBC64, JH80, Kua95, ML82, Ost84, SW98, Ver80, Woo75, AEZ84, AUD+98, ATL+88, BBD+02, BA69, BAB+13, BHD+05, BCCK92, CDC96, Cla03, CU98, DWA+08, DTH92, DVB+02, DKS+95, DTTY95, ESM95, EK08, FWR+11, FDS+13, GP06a, GMS05, GWRS00, HBB+05, HHSR96, Hei90, HAMC+04, IBP+05, KAB+05, LFR05, MYKK+17, MMR89, Mat89, Mi89, Mi90, MTB+90, Na102, NFS+17, NCB03, OCB+90, OBB+05, SAT+08, SST+98, SP90, TMF+08, IBM13a, VWPB90, VLT+12, WAB+05, WYF+03].
chip-stacking [SAT+08].
Chip-To-Chip [HJ80].
Chip/Card [BM84].
Chips [BFL66, Cle83, LHW81, SMD80, BEM+92, CBB+04, CAC+95, KBK+97, LD72, Okt69, SWF+09, SHR+09, SNA02, VTMB+93].
chipset [KBG+09].
Chlorin [VM79].
Chlorine [Lev64].
Chloro [SL66].
Chloro-aluminum [SL66].
Chlorobenzene [CH82, HMM82].
choices [SON+91].
Cholesky [GJ00].
cholesterol [MD12a].
cholesteryl [VBM71].
chopped [WSBL90].
Chromium [BBKW66, KS66].
Chromium-Iron [KS66].
Chromodynamics [VBC+08].
Cil [Ghe80].
circles [Ne90].
Circuit [Ame80, BDWZ83, BDMW81, BGK+80, BFL66, BAH82, BHH+67, BHWZ03, CW85, Dan81, Esa62, FT80, Gun66a, HHSR96, HS61, Kar74, KCOW08, LDL84, Mau85, Rot74, Rue79, SST67, Ser82, STCR84, SWC+97, Sta83, Sta84a, Sta85b, Sta87, Str59, Wal57, Wal58, ADH+00a, ABM88, BJM+06, BBMP92, BGL66, Cha88, CNC+95, DHK+92, DTTY95, FRS+18, FN71, GA88, JZ91, Kah71, OR92, Pai72, Pau89, RBF+03, RBWH93, Rue72, Sta89a, TW69, TKV00, WKP+02, WBY+15, WBD+11, Whi93, ZFD+15].
circuitization [ABM88].
circuitry [LFR05, VLMK14].
Circuits [AGAP63, AFR62, BSS82, BM63, BRR79, CP63, DW85, Eic65, GT80, GKK+80, GSC80, HJ88, JH80, KL80, KW83, MW80a, MT64, Sta84b, Vii82, AHW+99, BJM+06, BGO03, CBBS90, CNS+99, CCW+02, CFP+07, DN97, DHH00, ESW+95, FMS+92, FKOP90, FMP+03, HRC+08, Hei90, HMP90, Koc59, KBC+03, KSL95, Lin76, MPHC90, Mos61, NHK03, Ngu99, PKZ+03, Sch96b, Srt96, Sta89b, Sta99c, TLS+06, Vor71, Wie90, WSBL90].
Circular [BB60, CS65a, Ran76, RR87, Arb86, SN98].
circulation [Fro71, Q567].
Circumferentially [BGT74].
Cities [HPW11, HMP+11, OIM+13, WP11, HEH+10].
city [HS11, JWW+11, SCH+72].
Clarification [ACG87, Swa57].
Class [Ahn80, Chi60a, Dub83, Hsi70, LM80, Rog66, TBB+09, WHK+09, Wyn64, Yu61, Bil72, BBW+82, BKS+08, FW08, Lei61, SM16, ST72, ST89, SBC+12, Sur15, VLT+12].
Classes [Cho75, MTT77, Gor63].
classical [Sho04].
classification [ACC+15, DBK82, GKD4, HJW+16, NT72, PTCR16, SBD+10].
classifier [RLP14].
classifiers [BCD+17].
cause [vv86a].
causes [ITGHC92].
Clean [IM57, Jn65].
cleaning [HBC+99].
Clearance [Bau63].
Cleaved [FF86].
Clebsch [Rob67].
client [KLMV19].
climatic [DT08].
Clinker [MS67].
Clock [FS88, BH95, CDM92, HAMC+04, MWW+07].
Clocking
[HO75b, Okl03, Sea57]. clocks [DSS† +92].
Closed [Mar60a, MS67, RK75, BSSZ76, KRC68, Lan77a, Mat03, Moo72].
[CJJ† +16, GRB† +16, HG14, YGR14, ABD† +16, AA18, BWT† +14, BCC† +16, BCG† +09, BCH† +16, BGM† +16, BB09, BBG† +14, CTD† +16, HBT† +16, ISV16, JDBP10, KMM† +16, LSZ† +10, MWL† +14, NRD† +09, NAN† +18, OEN† +16, RBL† +09, SHV13, SM16, SIKdL16, WML† +16, Yar12]. Cloud-based [YGR14]. clouds [ACFS16, MSV14]. clue [LPM† +12]. Cluster
[BBS78, Dan66, GPE99, RKW99, JSS13].
Clustering [BF77, BM63, Bon64, O’M85, BFH10, FAJ97, BSSW97].
Clutch [Fit57]. CMOS
[ADG† +95, Ano06b, Sta90, Agn02, BFG95, ST16, GRB16, BGM16, BCC16, OEN16, BGM95, SWC].
Coal [CHBH85].
co-simulation [MP† +04]. co-verification [KKS02]. Coal [Sti79]. Coated [CHBH85].
Coating [Was77]. Coatings [Ros78, LG88].
Cochlear [Ins77]. CODA [FPST14]. Code
[Bea74, BMS80, Chi86, KLS66, Mar80, Mel60a, PH74, Pat85, WRF83, Gla97, Gyg08, KL97, Mye72, TAE† +07]. Coded
[Voi65, GYK99]. Coder [GCPV85, PMLA88, SM98, MP88a, MP88b, PM88].
Codes [Ano93f, BD62, Bla79, CR76, CH84, Cro70, Fra82, Gri60, HO75b, Hsi70, HBC70, LM80, Mar61, MLT83, MG63a, Pat70, PR59a, Rog66, SS59a, Ull65, Wym64, Gyn63, How89, LKY80, Mac60, Meg60, Mel60b]. Coding [Fra70, Fra79, Fra80a, Fra89, HP63, Kob70, MD65, Pip79, RL79, Win62, BK74, Dan82, Fra80b, KT70, KB74, Lan84a, Lan84b, MP88a, Pat89, Ris76, TLM83].
coefficient [PST14]. Coefficients
[Beb62, DG84, MR72]. coercion [MKW† +12].
Coercive [BB60, Pes71]. CoFe [JWSP06].
CoFe/MgO [JWSP06]. Cognitive
[BR17, BCS† +18, KLVN19, Pic18, ABD† +18, DCC† +17, KAA† +18, KH†K†18, NAN† +18, RCP† +16, SN15, WSC†K17, MBK† +15].
Coherence
[CR88, KHH89, DY89, NNMM1].
Coherency [Fan64]. Coherent
[But88a, Gef88, Loy79, RS69, SB62, SBJS15].
coil [BM68]. Coincidence [ZG65].
collaborative [PMS† +17, RK15, WY† +03].
Collapse
[How82, Gom09, Mid06, Mil00, NL69, Kt069].
collapsing [PV93]. collection
[DSRC98, WC69]. Collector
[Ken61b, MW79, Rut57, ZCK71]. Collision
[HS81a]. Collision-Free [HS81a]. Colloidal
[CHBH85, MSG† +01]. Color
[Ano59n, BJS80, Far83, FLCB85, Kan78, KFUY92, LMT84, San83b, KVM19, LL98].
Column [CERS76, Hsi70]. Combination
[WC69, BL15]. Combinational [Eic65].
combinations [SLZL18]. Combinatorial
[Kuh60, Luk75, Tuc60a, Vl82, Agr01, Bu72].
Combinatory [Bu72]. Combined
[HP84a]. Comment [Asa70, Ber76a, DCB77, Lan96, Sta75, Tid62, Wic76].
Comments [Fre70, Rad62]. Commerce
[DLN14, BDMN14, DGH† +14, HRZ14, KKL† +14, YGR14, YMR14]. Commercial
[BFH10, FAJ† +94, BEKK00, HHR99, Irv91, KEL† +00, NAN† +18, JMLW94].
commitment [BBSSW97].
commitment-revision [BBSSW97].
commodity [BCC+01]. Common [DB82, Bus71, CBV08, HKLM97, HB73, LH03].
common-core [Bus71]. common-mode [HB73]. Communication
[Ahu80, Ano58b, Cha75b, CR76, Chi60b, CW77, GRT74, MT77, MFT77, SL67, Wie58, ZST+07, dG58, AGZ94b, AEH704, DAS+94, ESW+95, FMP+03, GBRJ05, Irv93, Irv01, P~88, SJW+16, Th070, TJK03].
Communications [And65, Ano66j, Ast58, Bla65, Boh73, BBT85, Bru78, Mat03, MW79, SBT87, Sbh82, Fra89, GHN04, MD12a].
Comparisons [SLHM67]. compatible [DTTK95]. Compatible [Mar64a].
Compensating [Ins77]. Compensations [Mee67, Phi78, KSK98]. compensators [GB71]. competition [AUW+09, Sav69].
complementary [DMR+81, PMW06]. Complete [Dub72, MR76a, Moo60, Hof60, Koz81b, Koz81a]. Complex [Cle81, CS65b, Far91, KCH+09, Nus76a, Nus76b, PBS82, Sch84, TSB82, BGW+04, BFG+99, Gri04, Hol78, Kep75, Mas97, PBC+04, PAH+18, RWP+10, Rue72, SA98, SPS+06, SA00, Tib93, TBB+09, VMS+14, Wai05].
complex-arithmetic [Wai05]. Complexity [CLW80, HP84a, HS11, NSS58, Sav70, Kri82, Pip81, Pip87, SS86, ZBBB17]. compliance [BNN+09, Coo90, EPP10, MS07]. Component [BBT60, GSA893, BBSW97]. component-supply [BBSW97].

Components
[Hud63, Kan78, SM78, DBK82].

Composing [Yha75]. Composite [GS75, Kan78, Ros78, Bra94]. Composites [MLSS84, MVK85]. Composition [MS67, MOG+97, WTS+11]. Compound [FZ88, MS67, TWF90, VBE94].

Compounds
[BMW83, BTH62, CK79, CGHK77, KSF90].

compressible [BCH+16, vBBE+02]. compressed [FHR01, FR01].

compressed-memory [FHR01].

Compression
[LP75, TL85, AGJA06, ATL+88, BK74, BL98, CDC96, Cra98, Kam98, KB74, Mar98, M899, SLJ+15, ZDB+18]. comprising [AKRS04, CBB+04]. Computation
[Ben73, Ben88, BJ67, Che72, DHH75, Dub83, Duk90, Eli58, FL75, Ho75a, Kog57, Kog58b, Kog58a, Kog59, LF77, Lev66, Mar90, MY67a, MY68, NQ78, BH19, Ben00, CW58, CN94, FKL+08, Gl87, Mer04, NL17].

Computational [Ano19c, Bla88, CK17b, Cor18, Jam89, MOG+97, NNN+06, PCW+17, RK75, ACM01, AUW+09, BH11, Her72, HMK01, KMGD19, TMS+01, VPV+19, Var19, VRA+09, WG19, HMOS81].

computationally [ASL+19].

Computations
[BR79, Cle65a, NB61a, Sak79, Cle00, FAFL91, Pip87]. Compute
[ABB+91, IBM13a, BDD+05, EBH+16, HBB+05, OBB+05].

Computer
[Ana80, Ast67b, BDWZ83, BS81, Ben59, BAH82, BL69, BHWZ63, Cha73a, Cha74, Cha75b, CDW75, Cho75, Cle81, Col69b, CC76b, CD85, CA01, Dah63, Dav82, Dec90, DLW86, Don81, FPST14, FCH70, Flas81, FE75, GL87, GWM80, HS85, HFF69, HLS81, HSC82, HCTS81, Jam81, KJG69, KKS+73, KL63, KO70, Kog57, Kog58b,
Kog58a, Kog59, Kol67, Kra81, KP80, LG78, Lau80, Len58, LW77, LS69, LV62, MFT77, Pet76, Rot66b, Rue79, Sch81, SSL73, SLG78, Sch96a, SB86, SW67, Sve78, SG64, TW62, Tod78b, Tue68, WF87, Wes90, Wri83, AGZ94b, Ano70a, Ano71, AHJ+57, ABM+01, Bau72, BK61, BHH+03, BS91, Buc62, DH69, EGH+86, FL69, GR92, GM69, HVK+90, Ho73, Irv93, KLRS96, Koe18, Led71, Mat98, Mol69, MS89, Nai02, NDM+04, Oka69.

computer [PW72, QS67, RSS91, Rub90, Sta75, TFJ+96, Tho70, WC69, ZCM+96, GFS71].

Computer-Aided [Rue79, SLG78, Dec90, FPST14, FCH70, Sch96a, Ho73, KLRS96].

Computer-assisted [JKG69, GM69].

Computer-automated [KL63].

computer-based [PW72].

Computer-Controlled [BDW83, KKS+73, HHF69].

Computer-generated [BL69, MS89].

Computer-Operated [SW67, Col69b].

Computer-Output [Sve78].

computer-to-computer [Tho70].

civilized [LPPT86]. Computers [BBH+81, GBS+87, Her75, Skl76, BSHM01, BO69, BCC+05, Har71, LGF+03, SSW91, TR77]. Computing [AS74, CGH+17, HM87, MR14, Nus77, ABD+18, AHH+91, BBPS91, BB09, BJ06a, CRAG18, CB0+09, DP13, FGG+13, Fro71, IMC+10, JDBP10, KSA+04, KHK+18, LDJ+10, Lan61, Lan00a, MO09, NRD+09, PWW13, RAG11, Rit13, RBL+09, RLP14, SHV13, SN15, VLB+09].


condensation [ESA02]. Condition [Rob67, MY65, Mir61]. Conditional [SJ89].

conditioning [LGBV17]. Conditions [Lan66, LL83, SSG69, AG72, Sug59].

Conducting [Aug01, BMW83, CSS83, SC81].

Conduction [BB82, But88b, CHS82, DA77, FK60, Lan88, Lel64, OK82, PW83, Pri58b, Pri60, San83a, Sch64, SARG80, SC88, Whi93, BRB92, HWP92, KLM+91, Lan57, Lan96, Lan00b, LMPP69].

Conduction-Cooled [OK82].

Conductive [NSOO98].

Conductivity [Bay69, CJT62, CFH64, ET70, ODR70, Was88, CNC+08, Kah71, MNS69, Nes98, Pai69, SNM69].

conductivity-temperature [Kah71].

Conductor [Adl64, Mei62].

Connect [LCB93, GLCW93, CGLL93, Cor93, Mah93, RBWH93].

Connected [MS87, SN87, FGH+06, KMO+14].

Connection [DKR12, FGC92, GLOS92, How82, NSOO98, VH81, Cel92, ES92, Tag09].

Connections [FHL+82, kur57, BRB92]. connectivity [WYTO04]. consensus [MN70].

Considerations [AKK+67, BS84b, CT82, Coo62, Cor84, GS82b, LST80, Pad83, RP78, RGL75, CGLL93, GH96, HBB99, JLF99, KL70b, LL93, MDG+06, Pat72, SK98, SY92, SV92, VM+94, YS99, ZY72].

Considered [Pim76].

Consensus [Map62]. Consisting [Lan85].

Connect [VGE02].

Connect [Esa62, GMT57a, GMT57b, Tit61, MRG99].

constant- [MRG99].

Constant-Input-Flow [Tit61].
Constant-Temperature
[GMT57a, GMT57b]. Constants
[Col59, CS65b]. constitutional [AT00].
Constrained [Bud67, MLT83, CFP +07, Fra89, Fra02, Jan69, TLM83]. Constraint
[Coo84, NRA +07, Wol72]. constraints
[Coo90, Lam77b, RMM03, VLKW14].
Construct [Paz75]. constructing
[ADG +92b]. Construction
[CW86, Fra82, KMC +11]. constructs
[BS06]. Consumer [SMSC14]. Contact
[CEHL78, DG93, GRS87, IM57, JWL82, RWC80, TDM +87, BNSG09, Lin76].
Contactless [VCP90]. Contacts
[Ove70, SGC +87, BS71a, BCT89, KSH +08].
Container [RBL +18]. Containers
[ABD +16, BBK +16].
containing [Whi93]. contaminants
[AKKJ72]. Content [IM60, MW62, MHI98, SJ70, AN98, CNP +15, HJW +16, MAD +98].
Contents
[Ano57j, Ano57w, Ano57x, Ano57y, Ano57z, Ano58g, Ano58h, Ano58i, Ano58r, Ano58s, Ano58t, Ano58u, Ano59e, Ano60f, Ano60g, Ano60h, Ano61e, Ano62d, Ano63e, Ano66g, Ano66h, Ano66i, Ano67h, Ano67i, Ano67j, Ano67k, Ano67l, Ano67m, Ano12i, Ano12j, Ano12k, Ano13d, Ano14l, Ano15i, Ano16e, Ano16g, Ano16h, Ano17d, Ano17e, Ano17f, Ano18e, Ano18f, Ano18g, Ano18h, Ano19e, Ano19f, Ano13c, Ano14k, Ano14m, Ano14n, Ano15i, Ano15j, Ano15k, Ano16f].
Context [TLR85, EEM15, KdAC +15, MC87, TWM +14]. context-aware
[KdAC +15]. context-sensitive [MC87].
Contextual [BR17]. Contiguous
[JHH +81]. Continental [SKK +14].
continuation [BS71b]. continued [Agn02].
continuing [Gre97]. Continuity
[Tof88, WAB +09]. Continuous
[Ano06b, AAC +06, BGS64, PR65, CDSW06, EGH +86, Gre59, MHW95, NBF +00].
continuum [ABM +01]. contour
[GMNE63, Kep75]. contract
[BBSW97, TYSS19]. Contrast
[Dav79, Kov59, RDD +98, DP13, KJP11].
Contribution [Key61a, MR14].
Contributions
[BS81, Sam81, Sor79, Sor00, Gar00].
Control [Ast67b, BS84a, Ben59, Bla59, Bla79, BT67, Bud67, CL64, CAE +76, CW77, Cle83, CI76, Dav77, DB76, FLS78, Fre67, Gil84, GKH67, GMT57a, GMT57b, HBB +05, HKM +86, KST58, LHWH81, Len58, Log70, LMD70, May85, MS67, RR83, Rob67, San83a, SH57a, SSL73, TL70, War63, Yas85, Yas87, ADS72, AAB +16, BEK +02, BSSZ76, BW72, BTWY92, BM68, BM96, Cal70, CAC +95, CDD +10, CH82, Cov92, FS82, IMC +10, KL97, KLR94, Lew78a, NNMJ01, Oka69, Pat89, RM09, SG94a, SBB +09, SCW10, Stu70, Tho70, WGS04].
Control-Word [Bla59]. Controlled
[BDWZ83, Boc69, Hov82, KKS +73, LW77, Mil69, Mil00, NW64, Dur70, Gol69, Gre60, HFF69, Nic92, NL69, Okt69, TYSS19].
Controller
[ZST +07, CW91, Pig88, RSNG82].
Controllers [DB82, Kis03, SLC09, Sou96].
Controlling [Car77]. Controls
[Ano67t, BCD +85, VOW +12].
Conventional [Ano66j, Bla65, Won02].
Convergence
[BJS80, Cha87, CW72, JP94, Ung72, Wol72].
converging [Bra72a]. Converging [Jam89].
conversation [Elg11]. conversational
[KSSC +13, SP17]. Conversion
[LSH76, RP67, SCYK78, Wal58, RFB +03].
converter [HB73]. convertor [BW81b].
Convex [AW76, Dim78, Dor60, JP94].
Convolution
[AC86, Coo82, BSRG17, Kri82].
convolutional [SP17]. convolutions
[Nus76a, NQ78]. cool [ESA02]. Cooled
[NHH91, OK82, BBMP92, BRB92, DGG +92, GGRW91, Haj91, KLM +91]. Cooling
[CHS82, CAC +05, DGG +92, GZM92].
GKMP04, SN02, SAB+02, TBG+15. 
cooperation [AUW+09]. Cooperative 
[JKB+13, KW62, Mor79]. coordinate 
[MN90]. coordinated [EEM15].

Coordinates [KKS+73, RSL+70]. Coordination [DSS+92]. cope [WN92].
Copenhagen [Mer04]. copier [BHRS72].
Copolymers [Sm77]. Copper 
[ADH70, AGLM85, JC63, KWJ84, AdH00b, 
AUD+98, DKA+05, GB93, JK93, KFSZ92, 
RKL88a, RKL88b, SD71, TKK+92, 
VDAD05, YCB05]. Coprocessor 
[ECD+99, YS99, AV04, ABC+12]. Core 
[Bru78, FP57, RRW61, WWL67, AF99, 
Bus71, CNS12, KMH+98, LVT+18, SLC09, 
SVE+15]. Core-Level [Bru78]. cores 
[ATC+15, BL98, SK98]. corporate 
[GMX14]. Corporation [Don00]. Correct 
[MG63a, Wyn64]. Correctable 
[AC84]. Correction 
[Bos70a, BS70, Dah63, ELMR77, GSC80, 
Mel60a, PL81, Par80, SFH65, Bos70b, 
Gor63, Mel60b, OCT68]. Corrections 
[PS80, PW68]. Correctness [Br74, PV93].
Correlated [Lik88]. Correlation [Lew83, 
Sta87, Wat60a, Fil70, Pes71, RMD17].
Correlative [TG91]. Correspondence 
[WF87]. corresponding [Swi62].
Corrosion [BFH+93, GC68]. Cortical 
[UC62, LRSN17]. COSFIRE [GSAP17].
Cosmic [Tu90]. Cosmic [Z96, ORT+96, 
Sri96, Tan96, ZMM+96, Zie96, Zie98].
cosmic-ray-induced [Sri96]. Cossensat 
[Bog79]. Cost 
[BGR82, HBC+99, SCYK78, AP69, FN95, 
GBB+05b, HSS+10, Irv93, KBA07, 
LRMT95, LCHL95, VMS+14, VNT16].
Cost-effective [HBC+99, KBA07].
Cost-sensitive [VNT16].
Cost/Performance [BGR82]. costs 
[KLHW16]. Counter [Car60, Spr63, ZG65].
countries [AKNR10, SGE10, YGR14].

Country [HS14]. Coupled 
[Cha62, CH74, CP63, Gra80, GC81, HO75b, 
MT64, AF68, HCL72, JS72, NLP17, Pat73, 
PBK+09, SV92, TCP+16, TGB+80, WYS92].
coupled-systems [SV92]. Coupling 
[Bl63, GE02, PSP06, Sur15, Swa98, 
HRW69, Jon98, SCH+18]. Courant 
[Lax67]. Courant-Friedrichs-Lewy 
[Lax67].

Covalently [DK79]. Cover [AN11, AN12b, 
AN12a, AN12e, AN12f, AN12g, AN12h, AN13a, 
AN14c, AN14d, AN14e, AN15b, AN15c, AN15d, 
AN16a, AN16b, AN16c, AN17a, AN17b, AN17c, 
AN18a, AN18b, AN18c, AN18d, AN19a, 
AN19b, AN13b, AN14a, AN14b, AN14f, 
AN14g, AN14h, AN14i, AN14j, AN15a, 
AN15e, AN15f, AN15g, AN15h, AN16d].

Coverage [BH82, EL83, LMD70]. Cr 
[Vur70, MU77, WB70]. Cr-Doped [WB70].
CR-SiO [MU77]. Crack [CS65a]. Cracking 
[DS65]. Cracks [Keh65]. Crank [Fla65].
Cray [PBK96]. CRC [G97, Ir701].
CRC-32 [G97]. Creation [Lh58a, 
GHH+13, GMX14, KLMV19, RSS+15].
Crative [RAMD19, ASL+19, WG19].

Creativity 
[AN19c, MOG+19, VPV+19, Var19]. Creep 
[BBT79]. Creeping [MW67]. crew [VJA07].
crew-scheduling [VJA07]. crises 
[PSD+17]. CrisisTracker [RT+13].

CRITAC [TSNF88]. Criteria 
[Bra64, Poh86]. Criterion [Pis74, Bra68].

Critical 
[CDM89, Fr96, Sch89, Swe62, PTRC16].
crop [BKF+16, NT72]. Cross 
[Gra80, JS72, Pat85, Les71, MMJ69, TTI98].
Cross-Coupled [Gra80, JS72].

Cross-Parity [Pat85]. cross-sectional 
[TTI98]. Crossed [MW70]. Crossover 
[Gef88]. crosspoints [RTL69]. Crosstalk 
[PL83, LL98]. Crowdsourced [RT+13].
Crowdsourcing [JQB+09]. Crucibles 
[CSY79]. Cruise [CPvR00]. Cryogenic 
[Ros59, Bro72, Pat72]. Cryotron [Bre60].
Crypto [BCC+19]. Cryptographic
[ADH+07, ECD+99, SY92, YS99, AV04, ABC+12]. Cryptography
[Cop87, Cop00b, BAB+13, Smo04, VDO14].
Crystal [Boy60, BS64, CFFG64, Dav77, DC82, Fre62, McG92, Mee67, SW98, WTP64, APOI92, AIH+98, BH98, CJ78a, CJ78b, GI88, Hox92, KFYU92, LL98, LCL+98, MRH98, NSO99, RDD+98, SST98, TSH92, TCC98, WWA+98, Yan71].
crystalline [WTS+11]. Crystallite [Seg62, Smi60].
Crystalline [AS87].
Crystallography [HMK01, Tof04].
Crystals [Cam57, FK60, IM60, Key61b, Mar60a, SOC59, BA70, CDM89, RAT68, YHA71].
CSP [Woo87].
CTS [DMR+81].
Cu [BPL+89, CDM89, CSH+89, BH98, BD+78, Dem78, HSM84, LR65a, MRH98, Var89, VDP94, vHv+89].
Cu-O [Var89].
Cube [Par60, NA+15]. Cubic [Ins76, Dim78].
cultural [DSZ+12]. culture [NBF+00].
Cumulative [Ano93c, Swa61, EKR87].
CuO [ABK89, ACM+89, BEH+89, EHK+89]. cup [ZS896]. cuprate [Kit89]. Curating [KBJ+18]. curation [RVT+13]. Curie [DK67]. curious [VPV+19]. Current [Bar69, BGS64, Bre60, BKM80b, Ghe80, Gun64, JMM+96, Ken61b, KBW88, Kit89, Lan86, LV67, Mat85, MN67b, MG63b, Ove70, SSG69, Smu57, SH69, CDM89, Dha68, Duk90, EB91, GN06, HC69, NFI+08, Sun06].
current-perpendicular [Sun06]. Currents [CGR89, DA77, DU59, Lan88, MS60a, Lan57, Lan96, Lan00b]. Cursive [Tap82].
Curve [Nor58]. Curves [RR87, Sw68, YWKK64, AO97, OAD+03]. Custom [ADH+00a, BBHS84, CS99, Cor82, EFG+05, MM82, SPR+95, Ver80, ABB+99, KSL95, WL97, BM84].
Customer [BNSG09, BEJ+14, ET69, JS14, KAF+16, KSSC+13, LPMGD14, SMX+14, YBF+14].
Customer-focused [BNSG09].
Customization [HY84, Elg11]. Cusum
[Yas85]. Cusum-Shewhart [Yas85]. cutoff [SS86]. cutting [Her72, Sav90]. CVS [HY84].

cw [KACS95, HFDN63, Key71, Mar64c].
cycle-simulation [VM09]. cycle-time [MDR+07]. cycles [MDR+07].
cyclical [Var89]. cylinder [Jan69]. Cylinders [BBT83]. Cylindrical [BT74, Ken61b, KG63, Zab79, LC83].
Czech [LL83, MPCF82]. Czech-grown [MPCF82].

D [DWA+08, EFR+05, EK08, KY+08, RG09, SAT+08, Sch67, SDBK08, ZVW+11].
D-Chains [Sch67]. dairy [LZZ+16].
Damage [HD69, Fon99]. damascene [VBDA05, AUD+98]. DAMOCLES [LFF90]. damper [LR79]. Dark [DA77].
DASD [KLF96]. dashboards [YMR14].
Data [AC64, And65, ADST78a, AHN+03, BJS80, Ber76b, BL98, CAE+76, Cha75a, Cha03, CPCC18, CMW92, CH64, Cro79, DSW63, DG84, DC73a, DGB78, DAUS91, DMP+59, Eas85, Eas86, EKMW64, Fal70, Far83, FLCC85, Far91, GL74, GLP76, GS74, GKH7, God74, Gri69, Hal76, HLZ+09, HFS78, Hop59, Hop61, HP84b, JS81, JMLW94, Kan78, KMN70, LT76a, Lew80, LS76b, Lom77, Lom80, LN79, Low78, LSH76, MCG81, MHI98, Mul74, Mur57, NB61b, PTRC16, Sow76, SW74, TMS+57, W+58, WY76, ARG00, ASR07, ADST78b, ATL+88, ABB+00b, BK74, BDMN14, BHH91, BCG+09, Ber76a, BGL07, Bev69, BFRT13, BM+69, BC18, BMS+17, BL15, BBI94, BBC+08, Bro72,
BSRM09, Car10, CGM+15b, CP13, CN18, CDC96, CN71, CPD+09, CNSS12, Cor69, 
Cra98, DF15, DBK82, DCB77, EB06]. data [EÖH10, ESW+95, FGG+13, FHPR01, 
GZE+05, GDSL14, GAB+08, Gra71, GRS13, 
Gus03, HvK+09, HTH+09, HRF+17, 
HKD06, IMC+10, Irv93, KBJ+18, KBF+12, 
Kan15, KBF+04, Kon69, KSSC+13, KDG15, KSN94, Kri82, 
KACS95, KRS+17, MTF+95, MYKK+17, 
MA96, McK94, MCG+15, MeJ60b, MAD+98, 
MI10, NMV+09, NTP14, OTC14, 
OOL+12, PMS+17, PK+03, PR71, PMW06, 
Rei69, SG71, SCI05, SI09, SG94a, SBB+09, 
SNA02, SLJ+15, Sto91, SMX+14, TB00, 
TG91, TJKH03, VPV+19, VMAB18, 
VRA+09, Wie76, Yas79, YMR14, YR91, 
CDL+14, Cop94, GGH+13, HAG+13, 
HCC+13, JSS13, Mal13, RC15]. data-based [SMX+14]. data-center [MI10]. 
Data-centric [HLZ+09, DF15]. 
data-driven [AHN+03]. data-management [FGG+13]. 

Data-Recording [SW74]. Database 
[Eas78, FLW78, Fag77, LDSY91, TPF+91, 
ZDB+18, vv86a]. datacentre [KDT18]. 
Dataflow [PMS+17]. datasets [GBF16]. 
DataStores [RCFN+08]. Davidenko 
[Bre72]. Davidenko-Branin [Bre72]. day 
[DSS+92]. Days [Gol87, Smo04]. Db2 
[CHJ+18]. DC [Ho75a, Sak79, WF83]. 
DC-Balanced [WF83]. DCS [Wei91]. 
DDR3 [VLT+12]. deadline [CSW73]. 
Deadlock [Ahn79, Ahn80, ABF+10]. 
debonding [KRL88a]. debt [Mar12]. 
Debugging [DFF+15]. Decay 
[DB79, SG71]. Decimal 
[DDZ+07, Grr90, SKC09, WET+10]. 
Decision [KT73, Pet77, RS59a, AYA14, 
CDG+10, FKOW16, JWW+11, LB07, 
LPMDG14, MD12a, Mye72, PW72]. 
Decision-Feedback [KT73]. decision-maker [MD12a]. 
decision-making [PW72]. decision-support 
[JWW+11]. decisions [GMX14, ZBG+10]. declarative [NTP14]. 

Decodable [LM80, LKY80]. Decoder 
[Pat86, Sav70, Smu57, Bla84a, Bla84b, 
Nob95b]. decoders [LB99]. Decoding 
[Jel69, Mer88, Moo60, Ull65, Kob71]. 

Decomposing [BZ06a]. Decomposition 
[BRA84, DC73a, DCB77, PL79, PAH+18, 
HT69, KPB+12]. decompression 
[KMH+98]. decoupling [HOWP92]. DED 
[Hi70]. deduction [AC92]. Deductive 
[Wat60b]. deemed [ASL+19]. Deep 
[BBD+17, CK17a, CNP+17, KSA+04, 
MMB12, SH69, AC92, ARS+17, BHW+17, 
BSRG17, GKT17, NG17, Lin76]. 

DeepQA 
[GLK+12, KPB+12, KBF+12, WKF+12]. 
defaults [ChdTG92, dTGHC92]. Defect 
[DJ70, FF73, HB74, SARG80, Sta83, Sta85b, 
WA79, BMT+90, HS71, YCB05]. 
Defect-Related [SARG80]. defective 
[Hui90]. Defects [HBR85, HBR86, Sta84a]. 
Defense [HT16]. Deficiencies [SK69]. 
defined 
[AAB+14, AAS+14, AHH+14, BBG+14, 
DOJ+14, EM65, FHL+14, KRD+14, 
KFW+14, LBC+14, MSV14, SMC+14]. 
Defining [WSE+16]. Definition 
[CAE+76, Lon80]. Definitions [CT65]. 

Deflection [ELMR77, FBW77, Zwe65]. 
Deflector [KHKM64, Rab69]. 
Deformation [CLCW93, WS72]. 
Degradation [FW87, Lud00]. Degree 
[Hau67, MM94]. Delamination 
[AGLM85, Klo87]. Delay [BDMW81, Cal81, 
Fra80a, Fra82, BHK5, BMT+90, CH06, FN95, 
KSK98, MTB+90, NLP17]. delay-cost 
[FN95]. delay-test [MTB+90]. Delayed 
[BSSZ76]. delivered [HSS+10]. Delivering 
[ODL+09, OEN+16, VSS+09]. delivery 
[BNN+09, JQB+09, KJS90, LRV+09, Tag09, 
VMS+14, Yar12]. Delocalized [HSS+88]. 

DELPHI [FRPG01]. delta [LKY80, HF91].
delta-decodable [LKY80].
Demagnetization [Kum65]. Demand [ABG+09, BT84, Fro84, LMT84, Elg11, WAC+16]. Demodulation [Hop59].
developer [GP06a]. demultiplexor [AF99, RT99].
densities [ABB+08]. Density [BDWZ83, BKM80b, BCRW82, CDS+86, Erd88, Gra80, Hoa61, LHW81, Ove70, Pat85, Sch85, Sko68, Sta85b, CCJH81, Hoa00, MTF89, Nai92, Ngu99, PSA+08, Pat73, PK88].
Department [Gol87, WH94, SK97].
dependability [ST89]. Dependence [Bru76, CH74, Dou62, Hun59, ODR70, Swe62, Tin62, Whi70, Sar91a, vHv89].
dependencies [Fag77]. Dependent [Fra79, AKKJ72, Fro71, Mel60b, Nes98].
depletion [HTB97]. deployment [CDG+10]. Depopulation [KH75].
deposit [Jon72]. Deposited [Ahn66, KEJS87, O'H78, PDL67, SJ70, AF68, Gri99, OSP+98]. Deposition [Ham78, KS79, KWJ84, Bea90, CNC+95, CNS+99, Fon99, GMP90, JL90, Mey90, Mey00a, Ngu99, OHWR88, Ros99, SLYR72, YAJ90]. depth [CBV08, SS86]. depth-first [SS86]. Derivation [Mar64a, SS76].
Derived [Ins67].
[ARV64, LS73]. dermoscopy [CNP+17].
descent [Lan66]. Describing [Her66, NB61a, NB61b, Can73].
Description [LST80, MO84, OHM+85].
design [AKK+67, ABCR65, Abb66, Aic84, AAC+05, ABPS66, AF99, BM84, BBSW97, Bea90, BHP83, BFL66, BAH82, Bos87, Bro78, CD78, CTS2, CDS+86, CMPR64, CA84, CCG+64, CCG+81, CBB+05, CP63, Cor82, Cor84, CDS73, CDS00, Dan81, Dav92, Dha68, EBB+16, EMM+18, Eic18, ESA02, EGH+96, FHVVZ80, FLCC85, FN71, FGM+83, FHL+82, FPB+11, Ghe80, GAOD71, GH96, GR92, GHK67, GLL80, GHKO57, GS82b, HNS+03, HPWV81, Has66, HP66, HD73, HY84, Hea76, HO96, JSR+18, Ju78, KS90, KMO64, KC66a, KKT+95, Kos15, Kue60, LV67, LL93, Lip92b, LST90, Mar60, MDG+06, MO84, MFT77, ML82, MDR+07, MM82, MIH98, MAD+98, Mon82a, MHR90, Mul74, MT64, Nia95, Osw74, Pat83, Pat72, PK03, Poh86, PSS67, RK72, RR83, RGL75, RW+05, RP66, SA98, SGS+96, ST75].
Design [Sch81, SHR+09, Sch80, SST67, SG95, SBP+03, SCC+97, SQR+91, SBD+99, SK98, SV91, Sta90, SCG+13, TK64, Tay84, IBM13a, Tro80, TFL+98, VMM+94, Ver80, VLB+09, WW75, Wil85, WCB+86, WWK+87, YAS85, ZL87, AGZ94a, ADH+00a, AEZ84, AFM+02, AKRS04, AHJ+57, BLN+92, BDN+02, BNP+96, BBD+02, BMJ+96, Ber76a, BAB+07, WBW+18, BHL1, BCK+05, BBMP92, BKRF02, BCK13, BBC+08, BHD+05, BMT+90, Cha88, CTS+92, CBC+18, CAD+09, Cor93, CW91, CCW+02, DBB+02, DKRS07, DHK+92, DeM91, Dec90, DGG+92, DEH+12, Dus71, FI73, FAFL91, FR+88, GGKK96, GM69, GPL+92, HDW+07, Hen68, HCG+13, HBB99, KL63, KLRS96, KMB+99, KBK+97, KCOW08, Kum92, LR79, Man90, Mar12, MMR89, Mat98, NCB03, ODA03, PBC+06, PBK96, SNP06, Sec95, SPR+95, SWC+97, SY92, TSH92, TAU02, IBM13c, TBB+09].
design [TBG+15, TFL82, TR77, WKP+02, WBW+15, Web00, WPL+12, Wei91, WBD+11, Wie76, WG19, WHK+09, WYF+03, WBS+18, WYS92, YS99, ZY72, ZBB17, ZTC+13, ZFD+15, RW+07].
designed [NAN+18, WW71]. Designer [Wil97]. Designer-level [Wil97]. designers [DRSM15].
Designing [EEM15, SMSC14, SN15, VSS+09, GB71].
Designs [ADS72, BBHS84, LKL+81, Mon82a, CT06, GBRJ05, Kum98, SRCW97, SRH+18, WET+10]. Desk [Tod78b].
Desk-Top [Tod78b]. Desktop [BBGE+14]. Destructive [ABPS66]. detailed [HdTR06].
detailing [TBH+17]. detect [SJW+16]. Detecting [CR15, AC84, FRPG01].
Detection [ABF+10, BH82, Dan66, Dav80, Eic65, FF73, LT70, Mou80, PSH80, PM72,
VMAB18, ZG65, CJH+15, DF15, EOH10, Hei90, KCML13, OCT68, SBG+13, SKP06,
SXW+13, VNT16]. Determination [AO01, BBD63, BBT79, EWS+13, FKL01,
GSVE83, HS81b, MN67a, MWN63, PC64, Sch84, Seg62, vS57, GFS71].
Determine [Spr61]. Determining [Ahu80, AW76,
BBT60, Gec74, MD65, MS67, SH57b, SH57c].
Dev [Ano93c]. Develop [ACG+87, Ber76a,
DCB77, Lan96, Sta75, Wie76]. Developer [RKL88a]. Developer-induced [RKL88a].
Developing [LGF+03, AKNR10, HMK01,
VSS+09, YGR14]. Development [Ano06c, AEE77, BSS82, Bal05, BDS+07,
CCC+79, CC76b, DWGC85, Des02, Des04, Fit57, FL67, GP06a, GRS87, GW57a,
GW57b, KAB+05, Nor58, PPS82, PERW02, PHCR81, SPP72, Tro80, Tu75, ATW06,
ABL+84, ABR71, AAH68, AHN+07, BKN10, Bro85, DYK10, EMM+18, FPST14, GON+06,
GMR10, GHL+04, GAOD71, Ito97, It000, LCHL05, LMW+01, PBC+06, RBG+02,
RH90, SM71, WTT+14, Wil93, PSS90].
Developments [Con60, May81, OOS1, 
CBI+05, Lax67, WVPB90]. Deviation [JD66]. deviations [Swi62]. Device
[Ano66b, AGAP03, BGK+08, CLP+13b,
Dun57b, DMN+59, Esu62, GHP+85, Hoh78,
HW88, JKB+13, KMCY28, KGCS85,
LB85, LCH74, PSS67, RGL75, RWC80,
RM63, SB64, Tro80, AAC+06, BKS+08,
Bus71, CS84, FP73, HBB99, HHC+18,
LHJ9, MHW95, RH90, Sch91, TS69,
TGB+80, Vin81]. device-independent [CS84]. Devices
[Ano66b, BT84, BCGS81, CH74, DO74,
FC79, Gae79, Han57, Her65, Hor62, Hov78,
JHH+81, KHH8, KN81, LF64, ON60, OK82,
Displaying [BBPS91]. Displays [BJS80, DC82, SW98, SS78, APOI92, AIH+98, KFYU92, LL98, RDD+98, SST+98, TSH92, TCC98, WH98, WWA+98].

disposal [Fre72]. dispositioning [BKLP82].

dissimilar [KL70a, Las61]. dissipationless [BZ06b].

dissolution [Ito01, TO77, Dat93].

distance [DPR86, Mar61, Pat70, Mac60, Nef90].

distances [HW72].

distillation [Bil70, Bil72].

distortion [ELMR77, Fal70, SFH65].

distributed [BHW+17, CMW92, Mid65, SCH66a, MCW92, ABE+02, AGZ94b, CN94, DP13, HG14, KCML13, MDJ98, MN97, NG17, VRA+09].

distributed-memory [AGZ94b].

diversion [PH81].

diversity [BM96].

divisible [FKGF12].

divisor [Erd59].

dna [Cle81, Pic87].

dns [SIW+16].

do [Rus04].

document [Cha87, CMP87, Cla79, KCML13, Mar98, YAH+96, ZY72, WC88].

documenting [Wri83].

domain [BB60, Cam57, DKAC67, Fre79, GS70, Gor65, Gun66a, Gun66b, Gun69, Hut74, MMT60, Mid65, Mid66, PW67, Sch75, Slo66, Spe69, Aas70, BK76, CC73, JC00, Pes71, Wor06, van98].

domain-wall [Slo66].

domains [MS87, MSW96, SN87].

donor [Kau81].

Donors [FPS66, PF66].

dopants [AS78].

doped [BA62, CL74, SH69, WB70, ABK89, SKEG+98, YTF+11].

doping [ADH70, Sou64, AdH00b].

dot [ZH89].

double [MM75a, Mel60a, Mid65, SB64, WS75, LKFU05].

double-boron-implanted [WS75].

double-gate [DP66].

doubled [MA95, Sou64, AdH00b].

double-tapered-piston [GZM92].

duality [Dor60, Joh87].

due [AVS76, Lan88, BS71a, Lan57, Lan96, Lan00b].

during [CW77, Dav77, Gil79, KWJ84, MJS70, PR65, Zab77, CT89, DK93, G06, SMV90, TZZ+11].

duv [ATW97, HMH97].

dy [YTF+11].

dy-doped [YTF+11].

dye [SCHL66, SL66, SL67].

dyes [Lew78b, Mer78, SLHM67].

dynamic [ALL77, BW72, CHY92, DS70, ELZ79, Gha75a, HHM66, LST80, McA63, MWL+14, MN97, PH65, Rei66, SWD74, SM63, Tro80, WT77, Woo75, el 69, BJM+06, BGL07, BL15, GLS92, Lar80, MBD+02, MWW+07, MS07, OD17].

dynamical [Kra81, Lan85, CHG04].

dynamics [ADH70, Sou64, AdH00b].

dot [ZH89].

double [MM75a, Mel60a, Mid65, SB64, WS75, LKFU05].

double-boron-implanted [WS75].

double-gate [DP66].

double-tapered-piston [GZM92].

duality [Dor60, Joh87].

due [AVS76, Lan88, BS71a, Lan57, Lan96, Lan00b].

during [CW77, Dav77, Gil79, KWJ84, MJS70, PR65, Zab77, CT89, DK93, G06, SMV90, TZZ+11].

duv [ATW97, HMH97].

dy [YTF+11].

dy-doped [YTF+11].

dye [SCHL66, SL66, SL67].

dyes [Lew78b, Mer78, SLHM67].

dynamic [ALL77, BW72, CHY92, DS70, ELZ79, Gha75a, HHM66, LST80, McA63, MWL+14, MN97, PH65, Rei66, SWD74, SM63, Tro80, WT77, Woo75, el 69, BJM+06, BGL07, BL15, GLS92, Lar80, MBD+02, MWW+07, MS07, OD17].

dynamical [Kra81, Lan85, CHG04].

dynamics
[BBT85, Dah67, Fro84, HA71, MW62, AHK+18, ACM01, ABM+01, BKB76, BCT89, BMP91, BBK+08, Bru76, ESM16, EFG+05, FMPS93, Gyg08, KHZ+08, Las61, LR79, MN03, PZGL91, SPP+05, TWRW98, TZZ+11, WNBP91, ZEH+08, ZHP+18].

E-Beam [Gil84, PW78]. e-commerce [HRZ14]. E. [LFR05, VLKW14]. EagleEye [ZBG+10]. Early [ABB+13, BBH+81, DBB+02, GZE+05, Gol87, Mou86, Spi93, BBS+03, EFR+05, ITS+15, Smo04, SPP+05]. early-stage [BBS+03]. Earth [WA79, Ber76b, KW76]. earthquake [NCM+01]. easier [MBF+13, PBBL07]. easy [SBF+97]. Ebola [BMF+16]. EC12 [CAC+13]. echo [CN71]. Echoes [Hor57]. ECL [DMR+81]. ecology [PW72]. Economic [Agi74, El 74, KRS+05]. ecospace [LHS+17]. Edsger [FvGM90]. Educational [BN515, NNFI5, CR15, VRA+09]. EGG [Boh73, MYKK+17]. EEPROM [Nii95]. Effect [AS78, Azb88, BTW62, BJM80, CFH64, DS70, DH57, FLW78, FHH64, Gun66a, JJ64, KO69b, KJ070, Ker64, Kus70, MW62, MFPJ71, MU77, Mat62b, Nai02, PS80, Phi78, Pri57a, Pri58a, TT75, TH64, Twa77, WWMS79, Wol70, Z269, CDS73, CDS00, KM73, Lan60, LJ92, Tan08, vK62].

Effective [CDG+10, DYK10, KO65b, SBR64, DFNN17, GMX14, Gup97, HBC+99, KBA07]. Effectiveness [RP70, TBH+17, BM96, MDH+12, SXYP12]. Effects [AOR62, BB60, BBF+05, BLB+63, Cle81, Col62, CC76a, Cre58, CGHK77, DS77, FK60, Gac79, GM62, GS70, HM89, KSW74, LLDB63, Le64, MG68, MNP+69, Mei62, Mid70b, Par80, PL73, PFS+70, RK66, Rec59, SM62, Sta55b, Swa57, TH64, Vui64, YS64, ALH95, GC68, Guo89, GSAB93, GDR70, LBT99, Lus00, MRH89, MNS69, MJN69, NBF+16, NBF+90, RBK+08, SNM69, TMF+08]. Efficiencies [HRF+17, Jam89]. Efficiency [Ano05c, DSR98, DMN+59, Mar59, RP66, SJK70, BR09b, GKT17, HvKL+09, KDG15, KDT18, MMM+05, MI10, MS89, WYF+03]. Efficient [AAB+14, GRS13, HL72, Jur78, KR87, Luk74, SFH65, SS87b, Tom67, BTP+90, vBB+02, GMX14, JWSP06, MC87, NDM+04, NCB03]. effluents [Shi72]. effort [DBC+06]. eFUSE [RFC+07]. eHealth [AAJ14]. eigenfunctions [HM89]. Eigenproblem [Dub72]. eigenvalues [CW58, FW67, HM89]. EL1 [Dav80]. Elastic [AW62, BP88, Che64, CS65a, CF72, Key61a, Kur87, Sat63, BEH+99, EHK+89, FL89, Jan69, LC83, Tap82]. elastic-plastic [CF72]. Elastohydrodynamic [VG74]. Elastomeric [Sm77]. elder [TKON18]. elder-care [TKON18]. Electric [DH57, MR76b, DXZS13, GAJ+16, HZG+16, KAD+16, SLK+16, TCP+16]. Electrical [BRB92, BJMO80, But88b, Cha88, Dav82, DDA+93, Gun66b, HM60, KP79, OPR+78, OMAW60, Rue79, SD85, SGC+87, Wec79, ALH95, BPG+16, BS71a, BBMP92, Bra68, CTC+88, DHK+92, DAS+94, HSL+10, Hei90, MKW+05, Mat70, RWP16]. electrical-conductivity [CNC+08]. Electrically [BMW83]. electricity [WAC+16]. Electro [SH63, Wie90]. Electro-optic [Wie90]. Electro-Optical
Electrochemical [BMW83, Hor93, KM93, KRT98, SBdF64, Swa57, WDA05, vS98, Dat98a, Dat98b, RWM +05].

Electrochemically [DH83, SF93].

Electrode [CL64, RL70, DR93, DVM81, Sek93].

electrode-electrolyte [Sek93].

Electrodeposition [CL64, RL70, DR93, DVM81, Sek93].

electrodeposition [Sek93].

Electrodeposition [LRt65a, DKA+05, Duk90, Duk93].

Electrode [DK79, Jon72].

Electroerosion [CP91, CAS+91, CASP91, Pen91].

Electroless [BLR84, BRA84, HSM84, JK93, KWJJ84, GB93, OHWR88].

Electrolessly [OSP+98].

electroluminescence [ARM+01].

Electroluminescent [ON60].

Electrolysis [DR93].

Electrolyte [Sek93].

Electromagnetic [Dum63, Bus71, Dav69, Pau89, PL73, Rub90].

Electromechanics [NNN+06].

Electromigration [ADH70, HRS+95, SC88, Ver88, AdH00b, SD71].

Electron [Azb88, BGK+82, Bro88, CSE66, CW78, Col62, DO74, DMWW77, Dav80, DEG+01, ELMR77, GSVE83, GOJN77, GWR590, GHP+93, HG83, HWC88, Hor62, Jon65, Jon70, Kra81, KP59, Kue60, KM74, KP80, Lin67, MTH71, MW80a, MJJ69, MPS77, MNP+69, MP67, NM62, Par80, PS80, Ree69, RS69, SSN+62, SG64, WPH69, YDHS78, All00, ALRH5, CHL+11, DG93, FKOP90, FA70, HF90, KBF+92, Lud00, MAG+01, MHK+11, PGN88, Ros00, SKB+11, Tro00a, TT198, VWJK11, WSB90].

Electron-Beam [Bro88, DMWW77, Dav80, ELMR77, HWC88, Hor62, KP59, KP80, MW80a, MPS77, PS80, BGK+82, GWR590, FKOP90, MAG+01, PGN88].

Electron-Hole [RS69].

Electron-Transparency [DO74].

electron-yield [CHL+11].

Electronegativity [Mic78].

Electronic [BW81a, BHH+15, FNRF89, FWW88, Fre70, HJS98, KJ86, Key61a, Kog57, Kog58b, Kog58a, Kog59, KT84, Lan86, Lud78, Rey69, SF81, Sib70, SC88, SBC+12, WR00, AN98, Kit89, PBC+04, PK88, RR69, SJMBK08, TBB+09].

Electronics [Key88, Key00, MCK01, SS01, ZCM+96].

Electrons [Hon70, Lik88, Pri59, Pri65, Pri70].

Electrophotographic [BS84a, Bau84, Bro78, CEY84, EHMW81, SSL73, VW78, SBB+71, Sta97].

Electrophotography [LAG+84, TB82, Tu75, Sch71].

Electroplated [Ros78, Smi60, AR98, CBH+05].

electroplating [AUD+98, HHA93, Hor98].

Electropositive [KJSG+88].

Electrostatic [AEE77, FBW77, Fit57, Sch62a, Twa77, KWN01].

Element [BRR79, BCGS81, DW58, GLS67, SSW65, Zab79, AEH+04, BSHM01, BCGS00, Cor93, JLR90, KL97, KN91b, WVE02, You90].

Elementary [ACG+86, Coo62, CLW79, Erd59, ASC+87, Mar90].

Elements [DMN+59, HOB78, RP67, SLLP64, HMO81, HMO81, Okl03, van89].

eliminate [MVI+07].

Elimination [Gab70].

Ellipsoidal [NGMW57].

ellipsoids [Bar82].

ellipsoidometer [HD73].

Elliptic [Par67, Wid67].

Embedded [BDN+02, IBP+05, CT06, FCE+15, Hui90, IFB+11, VTMB+90].

Embedding [HJ94, Irv01, AKB+17], embeddings [BHW+17].

Embodied [BS84a].

embrace [DDDKW12].

emergency [SLK+16, VAB+13].

Emerging [HST06, LPA+15, Tro00b, SGER10].

emerging-market [SGESR10].

Emission [AC63, BN63, FP69, GI69, MJS70, Mor79, RS69, SA66, SB64, SCHL66, SL66, SLHM67, SAL63, BSRM09, GRH+08, KWT+11, Lud00, MHW95, TK69, Tur69, VWJK11].

emissivity [Bra72b].

Emitter [Ph78, SGC+87, GOVC71].

 Emitting [BLB+63, Dun63, LDD963, MWN63, CA01, FPS66, HP01, RRR+01].

Empirical
RCFN+08, VDO14, VMS+14]. Epitaxial [GK60, Mar60a, WKW60, GSG+90, GBBM90, SLYR72, SG78]. Epitaxially [IM60]. epitaxy [CWC95, Far98, G188, Mar79, Mey90, Mey00a, Tis90]. Epoxy [MLSS84, MVK85, KS01]. Epoxy-Glass [MLSS84, MVK85]. equal [MR14].

Equalization [God74, Gor65, Mil83, Sch85]. equalizers [Kar73, ST72, Ung72]. Equation [CS65b, Fla65, Lev66, Mil67, Mir60, Ode64, Toa88, sS57, BSHM01, CPT2, Can73, HM89, HBW70, KRC68, Mic59, Min61, Pri66, Sug59, Swi62]. Equations [HBW70, KRC68, Mic59, Mir61, Pri66, Tof88, vS57, BSHM01, CP72, Can73, HM89, CS65b, Fla65, Lev66, Mil67, Mir60, Ode64, equalizers [Kar73, ST72, Ung72]. Equalization [God74, Gor63, KBF]. equalizers [Kar73, ST72, Ung72]. Equalizers [Kar73, ST72, Ung72]. Equalization [God74, Gor63, KBF]. equalizers [Kar73, ST72, Ung72].

Error-Detection [BH82]. Error-Correcting/Detecting [AC84]. Error-Correcting [AC84]. Error-Correcting/Detecting [AC84]. Error-Correction [CH60, Mik69, Mi82a, Ode64, Sal70, SSh69, Sta73]. Error-Correction [CH60, Mik69, Mi82a, Ode64, Sal70, SSh69, Sta73]. Error-Correction [CH60, Mik69, Mi82a, Ode64, Sal70, SSh69, Sta73]. Error-Detection [BH82]. Error-Sampled [KST58]. Errors [Dah63, How84, PL81, Pat86, SH57b, SH57c, Wyn64, ZS96, DWW90, Del08, HDBR08, KLHW16, KCOW08, Meg00, Mel00b, ORT96, RK80, Tan96]. ES/9000 [Att92]. ESA [SV92]. Esaki [PR59b, Rut95]. ESCHER [SKB+11]. ESCON [FGC92, CdlS92, ES92, GLOS92]. eServer [ABE+02, AMF+02, BEK+02, BHK+02, vBBE+02, CBB+04, CCW+02, FCS+04, GWS+04, GKM90, GE02, HPW+02, HBL+02, KKS02, KKM90, PBB+04, PVA92, SCS+02, SGK04, SNA02, SAB+02, SM+04, SvBC+04, SBC+02, VVE02, AV04]. ESPER [Ono93]. ESPER-2 [Ono93]. essential [KKT09, KKS02]. EST [DB01]. establishing [SJW+16]. esters [VBM71]. Estimate [Gam72]. estimates [Hei80].

IK00, Jam81, JS81, KWJJ84, SF81, SCM+82, TJHK03, ADG+95, ALS81, BCK+05, CS03, CM90, CM00, Gre97, Nai02, ODA03, RGPP95, Ste81. Evolutionary [DBNK+17]. Exact [Mic72, Tak87]. Examine [Sch67]. Example [Sch67]. Examples [OH74, IBM13c]. exascale [NAB+15]. excellence [BWT+14].

Exception [GLS74]. exceptional [Hof60]. exceptions [LS73]. Exchange [AAJ14, HP84b, Kas70, KW62, Far98, Jon98, Whi72].

Excimer [JWL82]. Excitation [LM85, Pre66, SL67, Les71]. Excited [GCPVG85, Mor79, ARM+01, HDK+11].

Exclusion [BCH84]. Exclusive [FTY83]. exclusive-OR [FTY83].

executables [Hei94]. Execution [CJ91, FH84, Tay79, WF87, APRS16, AEGP67, Gsc09, HM90, HHH86, MHR90, OWG+13, SSW91, SZ91].

Executives [NNF15]. exemplified [Pig88]. Exhaustive [TC84].

expanded [FXL01]. Expanding [BL62]. Expansion [AFP+01, SAPT01, TFR+01, BAB+13, HSL+05, Jan69, Lew73].

expediting [ST17]. Experience [BCC+01, Ris84, JS14]. experiences [ABB+13]. Experiment [BTW62, Bax58, Bla88, Dam66, DLK84, SBT78, ADG+92b, Nic92]. Experimental

[BBT79, BPT97, BT84, BBT85, CSW73, CLOR87, CD85, CK63, DLW86, FGM+83, Hop59, Hor60, Mar71, Men62, Ris84, RS59b, SHWK+90, SLHM67, TSNF88, WRAL57, ZCK71, BF69, Kel73, LD72, Rei69, Smo04, ACF+80, BHHO59]. Experimenting [EO13]. Experiments

[ALL77, Ben59, Hat72, KT66, LR65b, ST75, Sch81, Gra71, RN82, Ke89, SG71, ZCM+96]. Expert [DLW86, ADG+92b, EGH+86]. Explaining [ChdT92]. Explanations [Gl69]. explicit [VRL10]. Exploitation

[BIK+05, SSMGD10, CBB+05, MMS05, Sur15]. Exploiting [AGZ94a, FNY+10, LDSY91, Tom67, Wee79]. exploration [Kan15]. Exploratory [GLP76, PBC+06]. Exploring [EHPS05]. exponential [Moo72]. Exponentials [Che72], exposed [LG88]. Exposure

[Ahu80, BT67, ELMR77, HHSW01]. Express [BEE+02, GCS+12]. Expressions [BDH83, Hal76]. Extended [CDG83, Gum83, Ort84, Pad83, LT95, SMS80].

Extending [MG63a, HMK01]. Extension [Koc59, Llo67, Cal70, Lam77a, Pri66, TS69]. extensions [CPT+08, Cra98, Wai05].

External [AA18]. Extracting [ZW17]. Extrapolation

[Gaz78]. extreme [BBE+13]. Extremely [RVV88, MFPJ71].

Extrinsic [Was88]. Eye [RHM63, MG68].

F [LFR05, VLKW14]. f.e.t [HD73]. Fabric [MBT19, BHH19]. Fabricated [BBC+64, O'H78]. fabricating [SLYR72].

Fabrication [Ame80, ATW+08, BHV85, BMWL80, BCRW82, GKK+80, Hat88, HWC88, Hsi99, MHI98, Mid70a, PW78, RHM63, Spr71, CAS+91, Dha68, FCH70, KFSZ92, KRT98, KOT99, LCHL95, MTH71, Mar71, MAD+98, RK72, TW69, TFL+98, ZCK71]. Fabry

[Fan64]. Facilitating [SXP12]. Facilities

[Gum83, LG78, CMR+90, LS69]. Facility [AMG+87, GAC85, Lom80, Mul74, LL93, SdS89, AC86, GRSW86, JMLW94, RV89, SRO93, SV91, SY92, Sur15]. Fact

[KPB+12]. Fact-based [KPB+12]. Factor

[Bre60, Gia66, Hun59, CLP+13a, SBR64]. Factoring [Bra87]. factorization

[EG00, GJ00, Tue68]. Factors

[CK63, Dav79]. fails [DFF+15]. ZCM+96]. Failure [Bar83, DMP59, TAR84, TTI98]. Failures

[Rot66a], fair [FW83]. family

[GR92, WD94]. Far

[GH70, GL62, OKH+02]. Far-Infrared

[GH70, GL62]. Faraday [Kus70, ZSZ96].
Farey [LT95], farmer [FKOW16]. Fast [AEG+02, God74, Gup97, HJK+01, Jel69, KP59, KHKM64, Mil83, Raa76, CDC96, Cra98, ESI+12, Gir88, Har71, Won90, Bra94].

Fast-Switching [KP59]. Faster [WT77].

Fast-Terminal [Keh65]. Fault [Aic84, BH82, BCH84, BKRF02, CTS+92, Com83, Sta84b, Sta85b, Sta86, Sta89a, Cov92, SG99, Sta89b, Sta89c, TSC91, CR84].

Fast-Tolerant [Aic84, Com83, BKRF02, Cov92, CR84].

FCF [ABE+02, SAB+07], Fe [LR65a, MMT60, Mid62, Bru78, CW78, LR65a, Mid65, Pes71, YTF+11]. Fe-B [YTF+11]. Feature [CJH+15, Duk93, FWR+11, HJW+16, MPP+15, SSN+15, SJZ+15].

features-based [SJZ+15], featuring [SRH+18]. Federal [OO81], federated [RBL+09], federation [LNT08, NMV+09].

federation-based [NMV+09]. FEDSS [BHv85]. Feedback [KT73, Rei66, Cov92, DRS+15, Gus76a, Gus76b]. Femtosecond [Duk93].

FEMvis [Bal91]. Fermat [Nus76a, Nus77], Fermi [DV64, DM64, Sou64, WS64], Ferrite [BBC+64, CM74, Pol78, RRSW61, Sha58a, Tan74, WWLF67]. Ferrites [NBRB70, She59b].

Ferromagnetic [TH70, Whi70, Haa70, Vur70].

Ferromagnetism [Mat62a, Su75].

ferroresonance [SH87]. FET [BBH82, Gra80, LST80, Mid70a]. FETs [KS90, RG90, SHW+90]. FFT [Cve87a].

FTFs [EFR+05], Fiber [DSM+99, ABD+92, GLOS92, KACS95, CMW92]. fiber-optic [KACS95]. fibers [BS06]. Field [Azb88, Boe69, Don62, DSS+64, DS70, DH57, DPR86, EG560, FFH64, FK62, Gar86, HBL62, JT66, KO69b, KO70, Kro58, Ku63, LC80, Met70, ORT+96, ODR70, PW67, Par60, Ree69, Sve62, Tin62, TH64, Vui64, Whi70, Wol70, BH89, CDS73, CDS00, DAB+97, KM73, LJ92, MW95, Vur70].

Field-Effect [KO69b, KO70, Wol70, CDS73, CDS00].

field-emission [MW95].

Field-Quenching [Boe69]. FELDAY [BCGS81, BCGS00].

Fields [ASV76, Lan88, Dic91, HRWZ87, Lan57, Lan69, Lan00b, Lew73, RE71]. Fifty [BS03].

Figure [Esa62, Gia66]. Fillaments [Bar69].

File [HP63, Hea76, How84, MT81, ODA+98, Osw74, van72, van73a, Bou97, BWG91, Coo90, GA68, HBP+81, Has98, JSS13, LNT08, Nii95, vdP72, van73b]. Files [BFT79, Len74, WY76, Dec90].

Fifty [BS03].

Figure [Esa62, Gia66]. Fillaments [Bar69].

File [HP63, Hea76, How84, MT81, ODA+98, Osw74, van72, van73a, Bou97, BWG91, Coo90, GA68, HBP+81, Has98, JSS13, LNT08, Nii95, vdP72, van73b]. Files [BFT79, Len74, WY76, Dec90].

Fifty [BS03].

Figure [Esa62, Gia66]. Fillaments [Bar69].

File [HP63, Hea76, How84, MT81, ODA+98, Osw74, van72, van73a, Bou97, BWG91, Coo90, GA68, HBP+81, Has98, JSS13, LNT08, Nii95, vdP72, van73b]. Files [BFT79, Len74, WY76, Dec90].

Fifty [BS03].

Figure [Esa62, Gia66]. Fillaments [Bar69].

File [HP63, Hea76, How84, MT81, ODA+98, Osw74, van72, van73a, Bou97, BWG91, Coo90, GA68, HBP+81, Has98, JSS13, LNT08, Nii95, vdP72, van73b]. Files [BFT79, Len74, WY76, Dec90].

Fifty [BS03].

Figure [Esa62, Gia66]. Fillaments [Bar69].
PL77, SBT78, Spe69, Tu90. Formatting [Cha87]. formed [SF93]. Forming [Par66].
Forms [Ga57, GLM*96].
forms-processing [GLM*96]. Formula [Mei83, SS88]. Formulae [Jam89, MR72].
formulas [AG72]. formulation [Lat73].
FORTRAN
[Sar97, SK80, SSW91, SZ91, SK86].
Forward [Ahn80, SL76]. foster [KRS*17].
Foundation [DAC*03]. Foundations [HEH*10]. Four [Ano59a, Ano59b, Ano59c, Ano60b, Ano60c, Ano60d, GPL*92, Hos94].
four-level [GPL*92]. four-parameter [Hos94]. Fourier [AC86, AS87, DG84, Gaz78, GS70, Gre60, Har71, Kri82, NQ78, Zee65].
Fourier-Domain [GS70]. Fowler [Dan66].
FP [HHH86]. FPGA [CJH*15]. FPU [LKFU05, Wai05]. Fractal [VMH*83, A097, AO97, MMO1, ODA03, Thl88].
Fracture [Klo87, Tho94]. Fragmentation [FC79]. frame [NCT*01]. framers [Cla03]. Frames [Alf89, MW80b].
Framework [HSS*10, ACC*15, BHK*02, DXZS13, EFR*05, FLK*08, FM10, GZE*05, GLK*12, GHG*17, HBT*16, KKB*09a, KKL*14, KJS09, LZZ*16, MBE*13, MMWL99, Mas97, RAMD19, RAR*14, RD12, SMX*14].
Free [CH74, Col62, DB79, Gun66b, HSA1a, Mat62b, Pr58sc, VM79, KLS*05, SAT*08, vk62]. Free-Base [VM79]. Free-Charge [CH74]. Free-Induction [DB79]. Freed [Lom75]. Freedom [Hau67]. freestanding [DN97]. freights [RC09]. Frequencies [Ins77]. Frequency [Ber64, FP69, JC00, KP59, Moh70, Rem67, RP66, Thr65, ZZ69, CCW*02, CFP*07, HAMC*04, PZK*03, Rat68, RH90, WL79, ZTC*13].
Frequency-Division [Thr65].
frequency-programmable [HAMC*04]. Fresnel [Arm65]. Friction [BP75, Mat95].
Friedrichs [Lax67]. Fringe [Abb66, PW68].
Front [Ano11, Ano12f, Ano12g, Ano12h, Ano13b, Ano14f, Ano14g, Ano14h, Ano14i, Ano14j, Ano15e, Ano15f, Ano15g, Ano15h, Ano16d, Ano17a, Ano17b, Ano17c, Ano18a, Ano18b, Ano18c, Ano18d, Ano19a, Ano19b].
Front-cover [Ano13b]. Fronds [BS69].
frustration [ABK89]. fs [HDK*11].
fs-laser [HDK*11]. Full [DWGC85, HA58, Rut57, PBC*06].
full-system [PBC*06]. Full-Travel [DWGC85].
Fully [MWW*07, HDK*11, MBJ*97]. Function [(Ga57, Lin84, Mic78, Mir69, NB61a, NB61b, Rad62, Ree69, BZ06a, CCC*15, FXL01, Jao98, KJP11, MVI98, SHN94, Str68, WSC*17].
Functional [BGW*04, Fag77, GBRJ05, HAMC*04, JPTW92, KBG*09, LRH*02, Mat89, SRL*11, VLP*05, WMH*97, AGZ94a, GMS05, KAB*12, MRR89, SWF*09].
functionality [SNA02]. Functions [ACG*86, BBT79, Bra87, GJ1984, BIK79, Bra87, Bur75, Cle65b, DC73a, EP86, JHC76, Hud63, Rem67, Ris84, Sta67, UI65, ACG*87, Cor69, DH69, DCB77, DH03, EFG*05, FII70, FTY83, FJSS89, GM73, JC00, MN70, Mar90, May60, MM75b].
Fundamental [Ano62e, Lei62, Mar62, Ver88].
Fundamentals [FZG06, Mey90, Mey00a]. Further [Fla91, FC63]. fused [AEG*02].
Fusible [FT80]. Fusing [Bau84, Bro78].
fusion [ETW008]. Future [AR98, Fra79, GA84, BIK*05, Isao0, JMM*96, KBS*99, Law02, MDB*02, NHK03, The00, TBO0, VDD*00].
Future-Dependent [Fra79]. fuzzy [BC00].
GaAs [BV78, BGS64, BLB+63, Gun66a, Gun66b, HVK+90, HD69, HDFN63, IBC64, JVP+90, Jon65, LDDDB63, Lud78, LSH79, MB75, Mar60b, Mar64c, Mar71, MWN63, PR65, PRY65, Ree69, SSG69, SA66, Spe69, SAL63, TZZ+11, Tit63, Wei65, WW71].

GaAs [HVK+90], GaAs/AlGaAs [TH64].

GaAs [FKL63, FK63, FK66, FPS66, PF66].

GaSb [Dav77, Mee67, SK69, SOC59, HFDN63].

Gallium [AS78, BL62, BD].

Garnet [Thi64, Vui64].

Game [Sam59, Sam67, Tuc60a, Lew12, PW72, Sam00, TGL+12].

Gaming [CR15].

Gas [Dav77, Mee67, SK69, SOC59, MKP73].

Gas [AR64, Vui64].

Gas-phase [Hun68, Hun71, Mic59, SdS99].

Gates [Cas60].

Gasifier [Cas60].

Gates/gate [Cas60].

Gate [Dan81, GS80, OG81, ABC+99a, AIH+98, BBH82, Buc99b, CGK+99, CAC+95, CDS73, CDS00, EB99, FCE+95, HD73, HBC+99, HBB99, JVP+90, KM73, KSK98, Luc99a, OS99, OKH+02, SHWK+90, Sta02, WNV+02].

Gate-delay [KSK98].

Gate-first [FCE+95], gates [GNF06], gathering [MFL+12].

Gazale [Rad62].

Gb [ABB+08, ESW+95].

Gb/in [ABB+08].

Gb/s [ESW+95].

Ge [MDK73, OHSP76].

Gd-Co [OHSP76].

GdCoCr [Sch75].

Ge [BC60a, BC60c, BC60b, Bay69, IM60, Jon65, Mar60a, Mar60b, Mey90, Mey00a, OMAW60, SAK70, SLRY72, SSFF11].

Gene [BCK13, ABC+05, AB+13, AAC+05, ADG+05, BSJ+13, BHG+05, BBK+08, BHD+05, CCD+13, CBB+05, CIP13, CKL+13, CNC+08, CBC+05, CHT+13, DT08, DLJ+08, EO13, EFR+05, EWS+13, FKL+08, GBC+05, GBB+05a, HBB+05, IBP+05, KHZ+08, LKFU05, MAA+05, OBB+05, OWG+13, PMS+08, RIB+13, SCG+13, SPP+05, IBM13a, IBM13b, IBM13c, WAB+05].

Gene/L [ABC+05, ADG+05, BGH+05, BBK+08, BHD+05, CBB+05, CNC+08, CBC+05, DT08, DLJ+08, EFR+05, FKL+08, GBC+05, GBB+05a, HBB+05, IBP+05, KHZ+08, LKFU05, MAA+05, OBB+05, OWG+13, PMS+08, WAB+05].

Gene/P [IBM08].

General [CH75a, GM73, Hor57, Luk75, LSH76, RP78, Tay81, West87, DAUS91, Fra80a, Gra69, dTGHC92, HRW69, LH84, Q567, SS82, TLM83, Kov60, Mau18].

General-Purpose [Tay81, DAUS91, Fra69, LH84].

Generalizations [Dor62].

Generalized [Azb88, Coo84, LB85, Ris76, Rob67, ACC+15, BHM04, EM65, Guo03, Str68].

generated [BL69, CN18, CPCC18, KBJ+18, MS89].

Generating [OH74, RHM63, van77, LWE89].

Generation [Bea74, BMS80, CW85, Chi86, CN71, DGL+97, Sch67, TC84, Ver80, ACD+15, CCFB+12, DEG+01, GCL+19, HRS07, JGD+08, KWB+15, KAB+05, KCA+95, Lan61, Lan00a, LSF84, LBB+13, MWW+07, OW00, RAMD19, SFH+16, Tan08, TYSS19, VP08, VTMB+90, WAC+16, WD94].

Generator [EL80, CL86].

generators [AEG+02].

generically [Gri04].

Genes [Pic87, DB01].

Geneva [HP66].

GENRAND [Wil97].

geo [BDMN14].

geo-social [BDMN14].

Geologic [ABC+85].

Geological [SM78].

Geometric [Go69, JS89, KJ89, RR87, SJ89, WPL+80, EKR87].

Geometries [Dem78].

Geometry
[Gae79, Ins77, GA68]. Germanium
[And60, BA62, DH61, Hun59, Key61a, KK59, MN67b, NM62, SFG*06, GC68, MNS69, Mey00b, Pai69, Seg68, SMN69]. germanium-based [Mey00b].


GHz [Okl03]. gigahertz [MDZH*02].

Ginzburg [Dou62, Sch89]. Given [OG87, ODA03, Sug59]. Glamor [LNT08].

Glass [IBC64, Ker64, MLSS84, MKV85, PW78, Pea69, Tan74, KFSZ92, TKK*92, YCB05]. Glass-Bonded [Tan74]. glass-ceramic [KFSZ92, TKK*92, YCB05].

glass-ceramic/copper [TKK*92]. glass-ceramic/copper/polyimide [KFSZ92]. Glass-Passivated [IBC64].

Glasses [GFHW82]. Glassy [Mor89]. glaze [Kah71]. Global [DR08, LHW81, Pul97, AUW*09, BKF*16, CPvR00, GRS13, KJS09, KLE71, QS67, SP14]. globally [BGLM09, DSZ12]. globular [FXL01].


goals [MCR*07, MWL16]. Gold [JC63].

Good [SMD80, LKY80]. governance [BKN01]. Governing [Lan85, Mal13].


gradients [ZCK71]. Gradual [BBT60]. Grain [KWB88, CDM89, KZP03, Pes71]. grain-oriented [Pes71]. grained [BBK*08, SLC09].

Grammar [BBCV00]. grammars [Arb86]. Grammatical [ODA03]. Granular [Gou89]. Granularity [Lor70].

Graph [BKU88, EB06, FL76, WML*16, Gup97, Hof60, May60, Sar91a, CP13]. Graph-based [WML*16]. Graph-Unification [BKU88].

graphene [HKvG*11, ZVW*11]. Graphic [GM69, PZGL91, MS89, PS89]. graphics [BKM*69, CS84, FGW81, GH96, Pic91, SHDK95]. Graphite [DM64, McC64, Sou64].

Graphites [Kle64]. Graphs [DH73, FLDC86, Luk75, RK62, Sow76, SW86, HS60, HRWZ87, Rai69, VPD88].

grasps [NS92]. Grating [BF63]. Gratings [VC65, SJK70, YL98]. gravitational [LQRS04]. Gray [TLMR85, APOI92, TSH92].

Gray-Scale [TLMR85, APOI92, TSH92]. greedy [AGJA06, DH03].

Green [Nun09, OB09, PF66]. Grid [Cha67, BPG*16, CRM02, GAI*16, HSL*10, KFH*06]. grids [CN94, RWP16].

GRIN [FGW81]. grocery [YGR14]. Gross [BMT*90, Gli69]. grossly [PPG*01].

Group [LT70, Pat70, Joh87, Mel60b, Par98, YHA71, Bal05, CFG64, DR08, Des02, Des04, Mey03, Nun09, Pri07]. groups [SLC09].

Grown [AO60, BC60a, BC60b, BC60c, IM60, OMAW60, FP66, PFS66, PF66, MPCF82].

Growth [BV78, BS64, GK60, GM60, GLG*99, LL83, MJS70, Mar60a, Mar60b, Mol69, Nun09, Ros00, WK60, BNT86, BJW72, Can73, DKR12, EK08, GBBM90, HKvG*11, MWEJ05, SSFF11]. Guidance [Soh76]. guided [BSRG17]. Guiding [Kan15]. gyrokinetic [ETWO08].

H [Ber76a, Wie76, Ano66j, Bra72b, GBC65].

Haas [Bro66]. Haas-Shubnikov [Bro66].

Hacienda [FGM*83]. Hadoop [GCH*13].

Half [Che64, KCA*95]. half-micron [KCA*95].

Half-Space [Che64].

Halftoning [GT87, AKM*03, AP82]. Hall [JJ64, Sie70, Azb88, Bra75, FHF64, KKK61, Pri57a]. Hammers [Hen83]. hamster [NBF*00].

Hand [BCRT74, DDMS92].

Hand-Held [BCRT74]. hand-printed [DDMS92].

Handling [AST67a, Hal85, PH79]. Handprinted [Cas70]. Handwriting [Lew83].

Handwritten [CK63, GMNE63]. Hard
[BE03, Kum65, LeB62, NM65, KWT+11, Ono93, SPR+95]. hard-disk [Ono93].

Hard-disk-drive [BE03, SPR+95].

Hard-Sphere [NM65]. Hardened [Keh65].

Hardening [Pol78]. Hardware
[ABB+03, BGM90, BBHS84, BHK+02, Des04, HSC82, LBH+75, MO84, Ost84, SBH82, Tod78a, BFG+99, CHMW07, Cra98, JWS+09, LBB+13, LRNS17, MP88a, NNMJ01, Pkg88, RP14, SMP+04, TW85, VOW+12, WET+10, ZBBB17, ZS03].

Harmonic [Hel79]. Harmonic-Drive [Hel79]. harmonization [RM09].

Harmonizing [PP09]. Harmony
[WML+16]. Harnessing [SPB+17]. harvest
[BW16]. Hashing [Pip79, Hui90]. Having
[BKM80b, HB73, Her66, Karn73]. haystack
[CCFB+12]. Hazard [Eic65]. HBr [GBC65].

HD [Les71]. HDTV [LL99]. He-Ne [CBCM79].

Head
[Ada80, BBT85, CDS+86, CPL+74, Fan61, FMPS93, FK62, Gre79, Ihe03, Ku63, Osw74, Pol78, Ros66, Sea58, Hsi99, Led71].

Head-Positioning [Osw74]. Head-Tape [Gre79]. Head/Disk [BBT85]. Head/Tape [FT77].

Heads
[Hem74, Tai74, AR98, BE03, CCH+96, CBI+05, FCH70, Hsi99, ILH03, TFL+98].

health
[BC18, BISN+12, CFH+09, CN18, CPC18, GHH+17, GAJ+16, HHC+18, JDBP10, KBJ+18, Sha12].

Healthcare
[Kov06, CRH12, CDS+19, GDLS14, GSC12, KBJ+18, Sha12].

HeapMon [SKSP06].

Heart
[Tay57]. Heart-Lung [Tay57]. Heat
[Dui59, Led71, MDJ+70, Lan61, Lan00a, LD72, Pai72, RK72, Whi72]. Heat-transfer
[Led71].

Heater [NGMW57]. Heating
[HCT8, Har63, Lin67, PR65]. heatmaps
[PMW06]. Height
[Car77, Rio60]. Heights
[CP86, FR60]. Held [BCRT74]. helical
[MKP73]. helicopter [JC00]. Helios
[WSK+93]. helper [SKSP06].

helper-thread [SKSP06]. Helping
[DDDKW12]. Hematologic [FE75]. Heme
[FE75]. HeNe [AH79, CCC+79].

Hermitean [CW58]. Heterogeneous
[NMTP14, FNY+10, MSG72, SAA+18].

Heterojunction [KSF90].

Heterojunctions [And60].

heterostructure [TWF90].

heterostructures [LFC95]. Heuristic
[EL80, MFT77, OH74, Ray69, HCO74]. HI
[KJS09]. Hidden [Bir01]. Hierarchical
[SNA02, CHG04, TMS+01]. Hierarchically
[FGT91]. Hierarchies
[Cho74, Fra87, Gec74, Mat03]. Hierarchy
[FB78, GLS74, MS75, FLMK06, JLC99, KAB+12, MHI01]. High
[Ano89, AFR62, BDWZ83, BCSE89, BJS80, BOS+95, BCF+07, BFG+06, BB82, BAH82, BHWZ63, BCWR82, CD78, CDS+86, Car60, Cas60, CT06, CEXY84, Dav82, DHSC64, DKK+90, DC82, DB76, EB91, FFP9, GCPVG85, Gau77a, Gra80, Gre79, Gus03, HBL62, HVK+90, HDW+07, Har63, HCA82, Hoa58, Hoa61, Hop59, JWL82, KJMS87, Kra81, LV67, LHW81, Lin81, LY83, MM75a, MTF+95, MKW+05, Mar64c, MPST66, MHI89, MOL01, Ngu99, OK82, PH74, Pat85, PGN88, Pre66, Red99, RP66, Sam81, SW98, SJK70, SN02, Sch85, SRCW97, Sko58, SGC80, TA74].

Heating
[Hel79]. Helioscope
[BBT85]. Heliostat
[DHSC64]. Heliostat
[BBT85]. Heliostat
[DHSC64].
Tho70, TPC+13, UBK+88, VW78, VWE02, WL97, Wie90, WBS+18, WKD98, YCB05, YR91, ZG71, ZCK71. High-
[GS+90, GNF06]. high-availability [VWE02]. High-Density [BDW83, BCRW82, CDS+86, Gra80, LHW81, Pat85, Sko58, MTF+95, Ngu99]. high-dimensional [YR91].

High-Efficiency [RP62, SJK70]. High-end [SN02, Lip92b, PGS+98]. high-energy [FP69, Moh70, CCW+02, CFP+07, PZK+03, WL97]. High-level [BOS+95].

High-Line-Density [Sch85]. high-moment [CBH+95]. High-numerical-aperture [SRCW97].

High-order [Sar97]. High-Performance [BB82, BAl82, DHSC64, GCPVG85, HCB82, OK82, SGC+87, BFG+96, Gns03, TKK+92, AGZ94a, AGZ94b, BGL+92, CBB+05, DHC300, DK5+95, FNY+10, GOVC71, GAOD71, GJ00, IFB+11, KBK+97, KPT+02, MCAW95, MIL+18, MZS+03, PV93, RAG11, Rub90, SPR+95, SWC+97, SLJ+15, WBS+58, WKE98].

High-quality [CT06, HBC+99]. high-refractive-index [BGO03].

High-reliability [WBS+18, YCB05].

High-Resolution [BJ80, DC82, Hoo58, JWL82, Kra81, LY83, SW98, LPPT56, LL98, MBB+01, PGN88, SST+98, TPC+13, UBK+88].

High-Sensitivity [VCP80, Sch71].

High-Speed [AFR62, BHWZ63, Car60, CEY84, DB76, Har63, Hop59, LV67, MPST66, Pre66, Wei79, Woo75, ZLS+97, BCF+97, DSR+95, HKV+90, HDW+07, Lin81, MKW+05, BJ+06, BGK+82, FMP+03, Ism00, MPHC90, Noh95b, Tho70, Wie90].

High-Stability [vv86b]. High-T [BCSE89, FNR89, FL89, HHH+89, KC89, Kat89, Kel89, KIF+89, Meh89, Mor89].

High-Temperature [Ano89, GSS4, Eme89, Pet89, Sch89].

High-throughput [NNMJ01, PGN88].

High-Vacuum [Cas60]. High-Voltage [Gau77a]. higher [DBK82, ZTC+13]. higher-order [DBK82]. highest [MR72].

Highly [Bau74, JWSP06, SG94b, SHTP11, ACFS16, ACD+15, BFG+99, CDC96, GFM+95].

HiperSockets [BEE+02]. Historical [PC85, SG99]. History [All81, Ben88, Ito00, Sam81, BPS81, Ben00, Sp93, Ito97]. Hit [Gec74]. HIV [YCJ+17]. holographs [FS90]. Hold [Cor84]. Holding [Mat85].

Hole [FA69, GFHW82, RS69, VM79]. Holes [SBR64, Tie61]. Holland [Bi87, Bil72].

Hologram [SJ70, MS89]. Holograms [Arm65, UL70, Win70, BL69]. Holographic [ABB+00b, Lo70, RC17, WS72, Gab69, SGY+98]. Holography [DSW82, MW70, Ano70a, BWB+82].

homeless [YCJ+17]. Homogeneous [Gru79, Sat63]. homogenous [YHA71].

homomorphic [BC18]. Hook [Ken61b].

Hopscotch [GM72]. Horizontal [Ost84].

Horn [vv86a]. Horn-clause [vv86a].

Horner [Dor62]. host [AHM+07, BCH+16]. hosted [CPT+08]. Hot [Lud00, MNP+69, Pri59, Pri65, HF90, Pri70].

Hot-Electron [MNP+69, Lud00, HF90].

HTC [Gou89]. Hub [CN+15]. Hudson [KCH+09]. Hull [AW76, Dun57a]. Human [CK63, TL70, DB01, FSG+73, MG68, RP14].

humanitarian [PSD+17]. Huntington [PC+17]. HW [KK802]. HW/SW [KK802]. Hybrid

[GM+04, Llo67, MLL+18, PBK+09, RP70, WSW+03, IMC+10, PLK09, VLB+09].

Hydraulic [MJ14, Tit61]. hydraulically [Gre60]. hydrocarbons [Cas71, CNC+08].

Hydrodynamic [SCR78, TT74].

hydodynamics [SDS89]. Hydrogen [BBS78, Key61b, Lev64, Pan78].

Hydrogen-like [Key61b]. hydrology
hydrophobic [FXL01]. Hydrostatic [MNP+69]. Hyper [KK802].
Hyper-acceleration [KK802]. Hyperbolic [Lax67, GM72].
hyperconverged [AHH+14]. hypercubes [HJ94].
Hyperledger [MBT19, BHH19].
hyperparameter [DFNNS17]. hyperparameters [OD17].
hyperpyramids [HJ94]. hypersonic [KKS02].
hypersonic [KKS02]. I/O
I/O
[ABB+12a, ABB+15, BAB+18, BBC+12a, CBB+04, CCD+09, CAC+13, CCC+15, CHJ+18, GMS05, Gre97, GE02, GCS+12, HBB+07, HBL+99, HS04, HSL+05, OHK+07, SHR+09, SBC+02, WMK+07, WYTO04]. IBM [ACG+87, Age04, Age05, Age08, Bal05, Ber76a, Che06, Che08, DR08, DCF77, Des02, Des04, Don00, Kov06, Lan96, Mey03, Pic18, Pri07, Ros03, SWC12a, AEGP67, ABB+12b, AHH88, Ano57k, Ano57l, Ano57m, Ano57n, Ano57q, Ano57r, Ano57s, Ano57t, Ano57u, Ano58j, Ano58k, Ano58l, Ano58m, Ano58n, Ano58o, Ano58p, Ano58q, Ano59f, Ano59g, Ano59h, Ano59i, Ano59j, Ano59k, Ano59l, Ano59m, Ano60i, Ano60j, Ano60k, Ano60l, Ano60m, Ano60n, Ano60o, Ano60p, Ano61f, Ano61g, Ano61h, Ano61l, Ano61n, Ano61o, Ano61r, Ano62f, Ano62g, Ano62h, Ano62i]. IBM [Ano62j, Ano62k, Ano63f, Ano63g, Ano63h, Ano63i, Ano63j, Ano63k, Ano63l, Ano63m, Ano64f, Ano64g, Ano64h, Ano64i, Ano64j, Ano64k, Ano64l, Ano64m, Ano64n, Ano65f, Ano65g, Ano65h, Ano65i, Ano65j, Ano65k, Ano65l, Ano65m, Ano65n, Ano66o, Ano66p, Ano66q, Ano66r, Ano66s, Ano66t, Ano66u, Ano66v, Ano66w, Ano66x, Ano67n, Ano67o, Ano67p, Ano67q, Ano67r, Ano67s, Ano67w, Ano67x, Ano67y, Ano67z, Ano67–27, Ano86a, Ano86b, Ano89, Ano90a, Ano90b, Ano90c, Ano92b, Ano92c, Ano92d, Ano92e, Ano92f, Ano92g, Ano93c, Ano93d, Ano93e, Ano94c, Ano94d, Ano94e, Ano94f, Ano94g, Ano94j, Ano94h, Ano94i, Ano94l, Ano94i, Ano94r, Ano94s, Ano94m, Ano94n, Ano94o, Ano94p]. IBM [Ano94q, Ano95d, Ano95e, Ano95f, Ano95i, Ano95g, Ano95h, Ano95i, Ano95j, Ano95k, Ano96g, Ano96h, Ano96i, Ano96j, Ano96k, Ano97f, Ano97g, Ano97h, Ano97i, Ano98g, Ano98h, Ano98i, Ano98j, Ano98k, Ano99f, Ano99g, Ano99h, Ano100i, Ano100f, Ano100g, Ano100h, Ano101c, Ano101i, Ano101j, Ano101m, Ano101n, Arc93, ABB+18, AAM+07, AHH+91, AV04, ADH+07, ABC+12, ACD+15, ABB+16, AHHN11, ABB+92, ABB+99, AHH+07, ABG+09, ABB+15, BBGE+14, BEK+02, BGM90, BS81, BEM+92, BS84a, BDN+02, Bar68, BHH+81, BR81, BHH72, BAB+18, BHH+15, BBC+12a, BPS81, BSK+08, BCF+07, BAB+07, BBW+18, BSJ+13, BB+17, BHK+02, BAB+13, BBK+08, BGM+67, BBMP92, BKRF02, BCK13, BCS+18, BS03, BBG+14, BRR92, BS70, BBC+12b, BMK+05, vBUE+02, CNV+15, CDD+13, CSZ86, CDD82]. IBM [CP99, CMPR64, CCG+81, CJJ+16, CP13, CTS+92, CBB+04, CCD+09, CAC+13, CCC+15, CDM92, CBC+18, CAD+09, CAF+15, CM90, CM00, CKL+13, Co69a, CM98, CNC+08, Cor9, CNC+95, CHT+13, Cov92, CHJ+18, CW91, CCW+02, CFP+07, CJJ+15, DTH92, DHK+92, DSM+99, DGG+92, DT08, DSW82, DLJ+08, DL02, DEH+12, DFF+15, EO13, EMM+18, Eic18, EWT+07, ES92, EGH+96, Eng81, EWS+13, FCS+04, FMP93, FLS78, FKL+08, FG922, FLR77, Fle95, FGK+07, FWR+11, FDS+13, FRS+18, FL67, FN71, FJ+94, FBR12, FPB+11, GP06a, GGRW91, GRSW86, GLOS92, GWS+04, GRB+16, GR92,
implementations [BBG+14, MP88b, NFI+08]. implemented [LBB+13]. Implementing [LBB+13]. Implementing [LBB+13]. implo\-mented [LBB+13]. Importing [LBB+13]. Improving [BKL+15, WHC+15]. Incrementing [BKL+15, WHC+15]. Importance [DBK82]. Importing [LBB+13]. Incorporating [CWE+10]. Incorporation [BC60b, BC60a, BC60c, MPCF82]. Increased [Sie63, KDG15]. Increasing [BKL+15, WHC+15]. Indexing [Bla59, SNA02]. Indirect [Whi70]. Indium [CJT62, How82, RL70]. Indium-Lead [How82]. Indium-Mercury [CJT62, RL70]. individual [MHW95, RG90], individuals [CLH+16]. indoor [YBF+14]. Indra [BNN+09]. Induced [Azb88, DJ70, Har63, Hem74, HMR82, JD66, Lun79, DP68, FMS+92, HRC+08, HRS+95, RKL88a, Sr196, SGS+09, Tan96]. Inducement [Kuh88]. Inductance [BRR79, Rue72, HOWP92]. Induction [DB79]. Inductive [Dan60, Wat60b, WWMS79, CCH+96]. industrial [AAB+16, BOS+95, Peh69, SPP72]. industries [LMHM96]. Industry [Car10, Gon87, Kov06, DKRS07, HZG+16, KAF+16, SP14, VAB+05, VAF+07]. inelastic [BEH+89, EHK+89]. inequality [Ris76]. Inertial [MR76b]. Inference [WAT60b, AC92, KBP+12]. Infinite [Ins76]. Influence [BS78, BB60, BGG60, HBR85, KMH82, Kus70, Mat62b, Pen70, RRB+01, Roe66, SSG69, HBR86, vK62]. Information [Ano58f, Hor00, IK00, KW62, Kuh88, Lef78, LP75, Lor70, MHI98, Sea57, Sha58b, Sho04, SY73, To88, Wat60a, Win70, AKNR10, An98, And10, BS03, Cha77, GDA14, GAB+08, HHH04, Joz04, Luh57, MAD+98, PSD+17, SI09, SKC+10, SHM+12, VAB+13, WR00, ZW17]. Information-Carrying [Kuh88]. Information-Content [MHI98]. Information-Theoretical [Wat60b]. Infrared [BLLS79, CSH+89, FL74, GHW70, GL62, Heb64, BWB+82, Mah93, Sek93]. Infrastructure [RBB+02, AA18, AH+14, BCG+09, BMS+17, BSN+12, CH06, CJJ+16, GCS+12, HBB+05, KAD+16, MOG+19, RRMD17, SHM+12, TCK+15, VSS+09]. infrastructures [BGM+16, CFH+09, KFW+14]. Inhibition [GSAP17]. Induction [BKL+15, WHC+15]. Induction-augmented [WAT60b, AC92, KBP+12]. Infinite [Ins76]. Induced [Azb88, DJ70, Har63, Hem74, HMR82, JD66, Lun79, DP68, FMS+92, HRC+08, HRS+95, RKL88a, Sr196, SGS+09, Tan96]. Inducement [Kuh88]. Inductance [BRR79, Rue72, HOWP92]. Induction [DB79]. Inductive [Dan60, Wat60b, WWMS79, CCH+96]. industrial [AAB+16, BOS+95, Peh69, SPP72]. industries [LMHM96]. Industry [Car10, Gon87, Kov06, DKRS07, HZG+16, KAF+16, SP14, VAB+05, VAF+07]. inelastic [BEH+89, EHK+89]. inequality [Ris76]. Inertial [MR76b]. Inference [WAT60b, AC92, KBP+12]. Infinite [Ins76]. Influence [BS78, BB60, BGG60, HBR85, KMH82, Kus70, Mat62b, Pen70, RRB+01, Roe66, SSG69, HBR86, vK62]. Information [Ano58f, Hor00, IK00, KW62, Kuh88, Lef78, LP75, Lor70, MHI98, Sea57, Sha58b, Sho04, SY73, To88, Wat60a, Win70, AKNR10, An98, And10, BS03, Cha77, GDA14, GAB+08, HHH04, Joz04, Luh57, MAD+98, PSD+17, SI09, SKC+10, SHM+12, VAB+13, WR00, ZW17]. Information-Carrying [Kuh88]. Information-Content [MHI98]. Information-Theoretical [Wat60b]. Infrared [BLLS79, CSH+89, FL74, GHW70, GL62, Heb64, BWB+82, Mah93, Sek93]. Infrastructure [RBB+02, AA18, AH+14, BCG+09, BMS+17, BSN+12, CH06, CJJ+16, GCS+12, HBB+05, KAD+16, MOG+19, RRMD17, SHM+12, TCK+15, VSS+09]. infrastructures [BGM+16, CFH+09, KFW+14]. Inhibition [GSAP17]. Induction [BKL+15, WHC+15]. Induction-augmented
[GSAP17]. Inhomogeneously [CL74]. Initial [MW62, van72, BBF+04, vdP72]. initialization [CNS12]. Initiation [HSM84]. initiative [NRD+09]. Initiatives [Num09]. Inito [Cle65a, BBK+08, Cle00]. Injection [Ghe80, HDFN63, Key65, Key70, Las63, LF64, LS64, Mag73, Mar64c, PR65, HHR80, Key71]. injector [JWSP06]. Ink [AEE77, BHR77, BT84, BWQ77, BBT83, Car77, CS85, CP77, DLK84, FBW77, LMT84, Lev77, SBT87, Tu75, Tw77, Zab77, Bru76]. Ink-Jet [SBT87]. Inks [BS78]. Innovation [BR81, BS03, CJK+13, GMS+12, HBP+81, KDT18, KRS+17, Viv14]. Innovations [HPWW81, HYA03, MT81, Num09, TCK+15, ADS72, AAC+06, ABB+15, JSM+18, WHC+18]. innovative [MZH+03]. inorganic [MCK01]. Input [Fra79, Fra0a, Ins77, TW62, Tit61, BSK+08, DWW90, HBL+02]. Input-Output [TW62]. Input-Restricted [Fra79]. input/output [BSK+08, HBL+02]. InSb [FP69, Gli69, MNP+69, RK69, TK69, Tur69]. Insensitive [LR65a]. Insider [AR07, CLH+16]. insight [CFH+09]. insights [GB93, LDSA02]. Inspection [WSW83]. Instabilities [Boe69, Fri69, Gun64, SSG69, Bra69, HC69]. Instability [Kat89, MN76b, Wli72]. Instagram [SPB+17]. Instantons [CCE+88]. institutions [VAR+09]. Instruction [AST67a, Bla94, GR90, VBE94, War90, BGAJ94, EV93, MHI01, Mat03, SLC+97]. instructional [WA15]. Instrument [Shi85]. instrumentalism [HHH04]. instrumentation [CLP+13b]. Instrumenting [CRHPP09]. insulated [CD73, CS00, KM73]. insulated-gate [CD73, CS00]. Insulating [PDLM67, TY64]. Insulator [RM70, HD73, IFB+11, St02, SRH+18]. Insulators [LMD70, CKG+99]. Integer [Mur57, GS72b, GS72a, Job87, Lee07]. Integral [LC80, Ode64, Pri58c, Swi62]. Integrals [CCE+88]. Integrated [Ame80, BSS82, GPE99, GKK+80, Gsc09, HZG+16, KL70b, KL80, KW83, LRM95, MW80a, OCR+98, OMA+96, RS882, RTM65, Rot66b, Rot74, RB92, Rue79, SLJ+15, Sta83, Sta84a, Sta84b, Sta85b, Sta87, SSTF77, BNN+09, BGLM09, CBB590, DSZ+12, FMS+92, FMP+03, Hei90, LFR05, LD72, LGF+03, MHC90, Ngu99, OR92, PZGL91, RP14, RF+03, Ruc72, SY12, Sri96, Sta89a, Stu70, TFJ+96, TLS+06, Vor71, Wie90, WSBL90, EGS+85, RKW99, SY92]. integrated-circuit [Sta89a]. Integrating [AFFS98, HLZ+09, RBL+18, IFB+11, KBJ+18, BGL07]. Integration [BL15, BB+67, Lev66, RR83, Thr65, War63, ABB+99, Buc99b, CAC+13, FW67, HKD06, KAD+08, KYY+08, MDZ+02, NMTP14, PSP06, SMP+04]. Integrity [RM10, Irv89]. Intel [BCC+01]. Intel-based [BCC+01]. Intelligence [Gri92, Luh58b, AAB+16, BGM+16, DNZ+19, HJW+16, Rao16, RC09, SSK+16, ZBG+10]. Intelligible [GR87, WGF+06, YMR14, FGH+06, SN15, IMSV10, RMY92]. intensities [Zie98]. Intensity [SA66, ZS03]. intensive [AHN+03, AHH+01, BBPS91, GR92, SSB+12]. Intent [HR14]. Intent-based [HR14]. intentionally [Irvi89]. inter [SBG+13]. inter-application [SBG+13]. Interaction [Gri86, Les71, VMH+83, BBI94, Tan96]. Interactions [Kau81, Kuz70, LaF80, KWN01, TOKN18]. Interactive [AS74, Cha87, Dic91, Eas75, Far83, HMW74, PWFB91, PW72, SSL73, Sow84, AEZ84, Bal91, BKM+69, BL15, CWS73, FGW81, Kan15, KGT88, Koe18, NM+07, PS91, SA98]. interagency [HS11]. Interatomic [Col59, HB74]. Interatomic-Force [Co59]. Intercale [Kau81]. intercalated [ZVW+11]. Intercept [ABCR65]. Interconnect
[RSSS82, TZZ+11]. **Langmuir-Blodgett**
[RSSS82]. **Language** [All81, ADST78a, BS06, BHP83, BKU88, DFM+88, Hei76, KRD+14, Kin61, LG78, Leh78, LN79, Pet76, Pla76, SFT78, Sow84, AKB+17, ADST78b, ARS+17, BCD+17, BHP17, CFK+91, CGH+17, Den80, Kel73, MIL+18, NMT14, SMS80, TYSS19, WN92, HAG+13].

**Languages** [Lom76, Luc81, MO84, Sam81, Arr7, CGS61, Dun57a]. **LANs** [BS85, CS03]. **Lanthanide** [GSG+90].

**Laplace** [KRC68, LC80, Lew75, Sug59]. **Laplacian** [KJP11]. **laptop** [LGF+03].

**Large** [Ast58, BSS82, BHP83, Bra64, BBH+67, CD85, DFM+88, DO74, DAB+97, EMM+18, ETOW08, GHK67, Mer88, Mon82a, RBB+11, Sch80, Sta86, Wre83, ABM88, BKF+16, CBK+98, CHGO4, Dav69, Elg11, HDTR06, HBT+16, KJS09, Kun98, LSW13, MSB+04, PSH91, RBB+02, TWRW89, TBS09, VNT16, Hud76].

**Large-Area** [DO74, Sta86b]. **Large-field** [DAB+97]. **Large-Scale** [BS82, BBH+67, CD85, Mon82a, EMM+18, ETOW08, RBB+11, BKF+16, HDTR06, HBT+16, KJS09, LSW13, RBB+02, VNT16].

**large-tree-search** [CHGO4].

**Large-Vocabulary** [DFM+88]. **Larger** [CAS+91]. **Larger-scale** [CAS+91]. **Laser** [Bro78, BHT79, CCC+79, Chu82, Cro79, DN97, EHMW81, FL74, FLR77, Gab70, Gar64, HMM66, Har63, HD69, HMR82, HDK+11, HDFD63, Key65, Key70, L864, Lun79, LST97, SA66, SLP64, SHM67, Zwe65, vAR82, DAB+97, DP68, HA71, Key71, Mar71, Sor79, Sor00, SPP97, Spr71, TWRW89, WW71, vS98]. **Laser-Enhanced** [Chu82, vAR82, vS98]. **Laser-excited** [HDK+11]. **Laser-Induced** [Har63, HMR82, Lun79, DP68].

**Laser-Optical** [FLR77]. **Laser-pumped** [SLHM67].

**Lasers** [AH79, Cha79, DC82, Har65, JWL82, KMCY82, Las63, LF64, Mar64c, MG63b, PR65, SL67, TB82, CBCM79, MG68]. **Latch** [Cor84, Gra80, Mat85]. **Latch-Up** [Mat85].

**latencies** [BS06]. **latency** [CHJ+18, FGG+13]. **Latent** [Dui59, Sch62a, YCB95]. **Lateral** [Gil79, LJ92]. **Latin** [HBC70]. **Lattice** [ASV76, BKB76, CERS76, CCD75, Dod63, Pic87, Sec62, SD88, WY76]. **Lattice-gas** [SD89]. **Launch** [BDH76].

**launches** [RMR94]. **Law** [Col59, Swi62, CP+09]. **Layer** [BW83, Kuc90, Lee77a, RWC80, RVV88, Wre83, CDD+79]. **Layered** [CS65b, Sch89]. **Layers** [FT64, Gar86, KLB+64, Mid70b, O’H78, PW78, TY64, CU98, PM72, Whi93]. **Layout** [Coo84, FLKA84, BG9+05].

**Layouts** [Lew80]. **LC** [YL98]. **LCD** [JPTW92, KSK98]. **Lead** [GL62, How82, JG63, V812, BCE89, KLS+05, SAT+08]. **lead-free** [KLS+05, SAT+08].

**Lead-Thallium** [GL62]. **leadership** [ADF12]. **Leading** [HM90]. **Leading-zero** [HM90]. **leads** [EG00, Gus97]. **Leakage** [GT80, VCP80]. **leaks** [SBG+13]. **learned** [Mer04]. **Learning** [BBD+17, Fri58b, FDN59, OD17, RSS+15, Sam59, Sam67, WM92, BH+17, BSRG17, CK17a, CNP+17, CDP+17, DBKN+17, Fri58a, GTK17, HKD06, KCML13, LRTT95, LGBV17, MBK+15, NG17, RK15, Sam00, SCC+15, TGL+12, ZBBB17, CNP+15].

**Least** [Cio86, Goz94]. **Least-Squares** [Cio86, Goz94]. **Leduc** [Pri58a]. **Leed** [Jon70, Bru78, MJ69].

**Legendre** [Rob67]. **Legendre-Clebsch** [Rob67]. **Legion** [GHNO4]. **Lemmas** [Kuh60]. **Length** [Don81, Fra70, GLP76, DY89, JVP+90, SHWK+90]. **Lens** [RHM63, TH11, Bru97]. **lenses** [DH09, TW69]. **lesion** [BSRG17]. **Lessons** [DSZ+12].

**Letter** [And60, BC60b, BBT60, BB60, BD62, Bre60, BA62, BLB+63, BN63, Car60, CCO61, Con60, CK63, Dan66, Die62, Dod63, DUM63, FMP61, FK62, FC63, Has62,
IM60, Ken61a, Key61b, KW62, KKK61, KP63, Ku63, Kue60, LDD63, Le 62, Lei62, MW62, MV62, Mar60b, Mat62b, MS60a, MP61, Mel60a, MWN63, MHS62, MG63b, NM62, ON60, Pal61, Par60, PK61, Rad62, Sch67, Seg62, Smi60, SB62, SS61, Tid62, Ti63, WK60, Yu61]. *levee* [SvNH13].

**Level** [BK13, Bru78, Cle83, FHL+82, Sann81, SH69, AW82, Agn02, BOS+95, BJS+13, BBS+03, DSW71, GON+06, GPL+92, HPW+92, JK03, KYY+08, Pat89, RBK+08, SM16, SC95, Wi97, WBD+04].

**Levels** [Ele58, KLC84, Sop59, KSB07].

**Lewy** [Lax67]. *LEXX* [Cow87]. *Li* [Les71].

**libraries** [Agr01, Aus90]. *Library* [LS75b, BPS+96, MCB+96]. *Life* [ABD+14, BB09, Kov06, Kuh88, CDS+19, Mc69].

**lifecycle** [BGG+17, KAA+18, WTT+14].

**Lifetime** [FL59]. *Lift* [HCS80, MW80a].

**Lift-Off** [HCS80, MW80a].

**Ligand** [STW+08]. *Light* [BLB+63, CJ78a, Dum63, FPS66, Her66, Key63, KHKM64, LDD63, LS64, MWN63, PR65, SW98, SB62, VG74, BLDM97, CU98, CA01, DSRC98, DP68, HP01, Lax67, LS72, Rab69, RRB+01, RDD+98, SGT+98, SST+98, SSO0, Shi73, TM98, YL98].

**Light-absorbing** [Her66]. *Light-Activated* [PR65].

**Light-Emitting** [BLB+63, Dum63, LDD63, MWN63, FPS66, CA01, HP01, RRB+01].

**light-source** [DSRC98]. *Light-Valve* [SW98, SST+98]. *Lightly* [Lan63].

**lightwave** [BGO03]. *like* [Key16b].

**likelihood** [Boh70, EOH10, Sta73]. *likely* [OKH+02]. *Limit* [Hib74, Tan02, Var19].

**Limitations** [LS64, BBJW72, CBBS90].

**Limited** [BJM+06, Fra70, Mag73, MS60a, HC69].

**Limits** [Bro88, Key88, DDA+93, DAS+94, Emm97, EHPS05, Fra02, Key00, NBF+16, PK88, Sta02].

**LiNo** [HD69]. *Line* [BF77, Ber64, Dah67, GH70, GC81, GM63, Hop61, SAL63, Sve78, Tay79, Tod78b, ZL87].

**ABC**+99a, ATW97, BH95, BP74, BFH+93, HR69, MBC+96, RS94, Rei69, Tih93, Wec72, WC69, WWA+98, YG81]. *Linear* [Ast67b, CW72, ET86, GKD6, MY67b, MW70, Nus77, Pin76, Plh66, Pri57a, Sch85, Sie63, Tuc60b, AW82, AGZ94c, BE03, BM68, CIE+03, DW90, GB71, Gus76a, Gus76b, Gus97, Gus03, Las61, May60].

**linear-algebra** [Gus97]. *Linearization* [Ger73]. *Linearly* [KO67].

**Linearly-Graded** [KO67]. *Lines* [Gr79, Hor76, Mul67, Ost84, Wits85, Bra88, Cha88, DKR+90, Ho73, HRS+95, Kep75, Lan60].

**linewidth** [CAC+95]. *linguistic* [BC00].

**Link** [Cro79, MT77, DRSM15]. *Linked* [CT76].

**Links** [TW62, CBB+04, FMP+03, GLOS92, KACS95, PK03].

**Linpack** [KGBB09]. *Linux* [BBK+16, ZST+07].

**Liquid** [BL62, Bog79, DC82, Lan85, Lee74, Lee77a, Mcg92, Pim76, PL77, RL70, SW98, Spr63, Tu75, AT00, APO92, AHP+98, CJ78a, CJ78b, Hor92, KFYU92, KRC68, LL98, LCL+98, NSO09, RDD+98, SHW90, SST+98, SSO00, TSH92, TCCH98, WWA+98, Yan71, YHA71].

**Liquid-Crystal** [DC82, Mcg92, SW98]. *liquid-nitrogen* [SHW90].

**Liquids** [MW62, DP68, Sh73].

**Literary** [Tas57, Luh57].

**Literature** [Luh58a, MIL+18, Bab58]. *Lithographic* [DMW977, MPS77, BDS+97].

**lithographical** [BTWY92].

**Lithography** [BLLM97, Bro88, Dav80, Gil84, HWC88, JWL82, Par80, PS80, RKF+97, Rot60, War93, AWHK97, Arc93, BRB+01, BGK+82, Br97, CS97, DEG+01, GHP+93, GC93, HPH97, It001, LL93, LMW+01, MBB+01, PGN88, Sec93, SMV90, SGL+97, SRO93, SS93, Spi93, Wih93].

**lithological** [BBPS91].

**Lived** [SH84].

**LLNL** [CCD+13].

**Load** [Chi60a, Con58, Con60, Mar59, MR76b, BZ06a, CHG04, EV93].

**load-balancing** [CHG04].

**Load-Sharing** [Chi60a, Con58, Con60, Mar59].

**Loaded** [GM63, HG83, Lan63, ECT1].

**Loading**
[van72, BBF++04, CGLL93, GLCW93, vdP72].

**Loads** [ALL77, BGT74, KS01].  
Local  
Cro79, DJBT81, Fra83, HS85, HS81a, Str83, BSRG17, MCAW95, OCB++90, RC1+, ST89, SJZ+15].  
Localized [FWV88, Hon70, JT66, Lan88, Lan57, Lan06, Lan00b].  
Localized-Field [JT66].  
Location  
[DYHS78, LMP96, YBF++14].  
Locked  
[KHBC66].  
Locs [Dan66].  
log [McN94, RRMD17, WLH++95].  
log-structured [McN94].  
Logarithms [Che72].  
Logic  
[AFR62, Be92, CGG++64, Cle83, DJBT81, DB8++4, DHSC64, DHSC00, DLW86, Don80, Don81, EL80, EL83, GRS87, Ghe80, Gia66, GLL80, GKK57, HGW74, Jon75, KL70a, KC66a, Koz81a, LM80, LBH++75, MS05, Mat80, NW64, RWL81, SKB+96, TC84, Vii82, Voi65, Wei79, Woo75, AAB+96, BEM++92, BJM++06, BGL+92, BM+90, CCJH81, CAC+95, DBG++00, Di88, Don74, Fag77, FM75, FN71, dTGHC92, HCO74, HBB99, KL63, KCA+95, Koz81b, MB+90, WPL+12, Wei91].  
Logic-based [MS05].  
logic/firmware [WPL+12].  
Logical  
[AH7+57, BZ8, BDH83, Bon62, DMN++59, PR59a, SGK04, Swa60, WW75, Win62, Zul9, Ber76a, Wie76, WYTO04].  
logics [BCE+70, BKPS8, SCH+90].  
Lognormal  
[BN61a, NB61b].  
Long  
[Kuz70, HS84, BBC++08, DKS++95, GCL+19].  
Long-Lived [HS84].  
Long-Range [Kuz70].  
long-term [BBC++08].  
Longer [MG63a].  
Look  
[Ke61, L70, CGS61, Dan66].  
Look-Ahead [L70].  
Look-up  
[Ke61, CGS61].  
Loop  
[Ben59, MS67, WC75, BSSZ76, BCh++16, Cuv92, Hip70, ST89].  
Loops  
[BA62, CT76, MKP73].  
Lorenz  
[Pr57b].  
Loss  
[Kar74, Las63, MKV85].  
losses [Yas67].  
lossless [Bra68, Ho73].  
Lossy  
[GC81, DKR+90].  
lots [NBF++16].  
love [Mer04].  
Low  
[BH89, CFH64, CAC++95, CHJ++18, Cre58, GM62, GBB++05b, HOWP92, HS91, Ins77, Jon65, Jon70, KDBT60, KBC++03, MJJ69, Mey90, Mey00a, MPD86, RL70, SKB++11, SCYK78, Tay81, Tro00a, Be90, BJM++06, CT06, DTK95, EB91, EO13, FGG++13, HSS++10, JK93, LZZ++16, LCHL95, MZS++03, MHK++11, NHK03, PZK+03, SAT++08, SN02, SKP06, SPR++95, SCG+13].  
Low-cost  
[GBB++05b, HSS++10, LCHL95].  
Low-End [Tay81].  
Low-Energy  
[Jon65, SKB++11, Tro00a, MHK++11].  
Low-field [BH89].  
Low-inductance [HOWP92].  
Low-latency [CHJ++18, FGG++13].  
low-margin [LZZ++16].  
low-noise [DTTK95].  
Low-Operating-Voltage [MPD86].  
Low-overhead [HS91, EO13, SKP06].  
Low-power  
[KBC++03, BJM++06, CT06, MZS+03, PZK+03, SPR++95].  
Low-temperature  
[Mey90, Mey00a, Be90, SN02].  
Low-Toxicity [NBF++].  
Low-voltage [NHK03].  
low-volume [SAT++08].  
Lower  
[DH73, FL75, LF77].  
LPE [Lew78a].  
LRU [BK75].  
LSI  
[CHS82, FS82, KMH82, Mon82a, OK82, Rot82, Sak79, Sta76, Sta00, Ver80].  
LSS  
[DB8++4, DB8+00].  
LSSD  
[BTP+90, Cor84, EL83, LSF84].  
LTI280  
[Bar83, PW83].  
LTO [Ja93].  
Lubricating  
[Lan85].  
Lubrication  
[TT74, VG74].  
BHMO59, Gro59, Mat95, Mic59].  
Luminescence  
[PF66].  
Lumped  
[Rut59].  
Lumped-Parameter  
[Rut59].  
Lung  
[Tay57].  
lysozyme  
[ZEH++08].  
LZA [HM90].  
M  
[Don00, BDN++02, Bra72b, HWC88, PZK+03, SHWK++90, SWC++95, TMF++95, ACM++89, Yet89].  
m-gate-length  
[SHWK++90].  
MAA [Lye77].  
Machine  
[AST67a, Ast7b, Bax58, Fri58b, FDN59, Gro90, HF78, HKD06, LH57, ND57, RR83, Sau95, Sam67, WM92, ZBBB17, AT78, Be92, CGS61, Fri58a, HM71, MYKK++17,
OD17, Sam00, SSMGD10, ZY72, LH00, ND00, VBE94]. machine-independent [ATT8]. Machine-Made [Bax58].
machine-printed [HMT1]. Machines [Bau84, BMS80, GR58, Gum83, SH57a, FHP01]. Macro
[GLL80, HY84, MM82, Ver80, SPR+95]. macromolecules [HMK01]. Macros
[Jon75, Sch80]. Made [Bax58, BA70, SBF+97]. Magic
[CSS83, Par98]. Magnet [JT66]. Magnetic
[AKK+67, Adl70, ABK89, Ahn66, ABP66, Azb88, BTW62, BBP72, BCG60, Bhv70a, Boy60, BBK86, BS70, CDS+86, CHBH85, Cha62, CLW80, CC76a, Dav77, DP59, DPW60, Die62, Don62, DSS64, EGS60, Fan61, FLP90, Flu77, FP57, FK62, GLS67, Goo62, HPW81, Hoa58, Hoa61, KPST61, KMJS67, Kro58, Ku63, KHBC66, Kus70, Kuz70, LS83, LR65a, Map62, MPST66, Mat70, MP61, Met70, Mid65, Mid66, MW67, ND57, ODR70, OHSP76, PW67, Par60, PH74, Pat75, Pat85, PFS+70, PSS67, RK66, SSW65, SH57b, SH57c, Sch58, Sea58, Sie63, Sko58, Slo66, SM66, ShsY90, ShsY00, SN59, TW74, Tin62, TH64, Whi70, WCB+86, WY76, AF68, AW98, Ano70b, Ano60c, BP88, BW81b, BS03, Coo90, Dec90, DPW00, EO110, EKS+04, FCH70, GP06a, GDR70, HJ98]. magnetic
[Ho0a0, Hsi99, ICO71, Jon98, KT70, Kob71, Lew73, Mhe89, NDM+04, ND00, OCR+98, Par98, Pat89, RE71, Ste81, SHCS05, TB00, TFL+98, Vin81, Yan71, van89].
Magnetic-Core [FP57]. Magnetic-Disk
[ND57, ND00]. Magnetic-Field [EGS60].
Magnetic-Field-Induced [Azb88].
Magnetic-Recording-Head [Sea58].
Magnetically [NW64, ETW08].
magnetism [KIF+89]. Magnetite [Sie70].
Magnetization [DP59, KG63, Mee67].
magnetized [YTF+11]. Magnetochronology
[Bev62, WB70, Bro72, Pat72].
Magnetomagnetization [Bov62, Pat72].
Magnetomagnetic
[MP57, KAP57]. Magnetoresistance
[Far98]. Magnetoelasticity
[BCRT74, CIP+74, Hen74].
Magnetostatically [Chab2].
Magnetostriuctive [Pre66].
Magnetotransport [SKEG+98]. Magnets
[YTF+11]. Magnitude [Par80, CIE+03].
Main [Gha75a, GMW80, PSS67].
Mainframe [AK82, DP13, EDGL+13].
Maintaining [Now02, Tom72].
maintenance [CHMW07, WIL+17].
Majority [LM80]. Majority-Logic [LM80].
Make [GW57a, GW57b]. maker [MD12].
Making [CP91, CAS+91, CASP91, ESI+12, Kis03, Pen91, PBB07, MAG+01, PW72].
Maleimide [GA88]. malignant
[APRS16, VNT16]. malware [HJW+16].
Man [BA70]. Man-made [BA70].
Managed
[CJ+16, ISV16, KAA+18, Pon17, VSS+09].
Management [CT76, GLP76, LS76a, Pri07, RM10, Skl76, AAB+14, ABB+12b, BKN10, BPS81, BG+16, BNN+09, BNSG09, BFFT13, BHH03, BBB+05, BM96, BGJ+17, Car10, CHH+01, CTD+16, CNP+15, DM03, DJL+16, DYK10, EB06, EWB10, FGK+07, FWR+11, FM10, FGG+13, FLMKS06, GDA14, GAB+06, GAJ+16, HZG+16, HS11, JS14, JWW+11, KKK+09a, LRV+09, LSS14, MSV14, MBA+12, MN97, MS07, PKXK07, PAB+05, RAR+14, RH+99, SCI05, SBD+10, SP+17, SGK04, SVNH13, SCH+09, SCM+82, SCG+13, VRL10, VOW+12, VAL+13, WLB+15, WSE+16, YSH12, vKCD+10, CY92, PS09].
Manager
[Kov06, Mau18, FGB12, MBA+12, YSH12].
Managing
[Aus90, BCC+16, Jen10, Kru84, WAC+16, BC18, SPS+06]. manganese
[SKEG+98]. Manganese [Sha58].
Manganese-Iron-Oxygen [Sha58].
Manipulation
[AMG+87, CAE+76, THL85, Agn02].
Manipulator [Tay79]. Manley [RP66].
Manned [Jam81]. Manufacturing
[CAc+95, GHP+93]. Manufacturing
[BW83, Don00, EGS+85, GAC85, Har81, HMH97, MT81, SW67, AP69, BBH82, CDD82, CMS85, CNC+95, FGP+85, FS82, KL70b, KL94, LRMT95, MCH+82, Osh93, Ros99, Rot82, SCH+99, Stu70, Tib93].
Many [Adl64, BCSE89, BMPS91, Di 88].
many-body [BMK+05]. Many-Valley [Adl64].
many-valued [Di 88]. mapper [BMK+05]. Mapping
[ABC+85, CA84, GHLW84, MY65, Ost84, LPPT86, PB89, RK15]. Mappings
[Cve87b]. MapReduce [SXW+13]. maps [BBPS91]. margin [LZZ+16]. Mark
[Dav80]. market [Sav69, SGESR10]. Marketing
[Sel07, BDMN14, LB07, TYM+14]. marketing-mix [TYM+14]. markets [Car10]. Markov [Bir01, Hei80, LB07]. Markovian [IS83a, IS83b]. Maser
[Fan64, SS61, Smi57]. Mask
[Ham78, KO65a, KM66, Rot74, BM93, BDS+97, MAG+01, Rot82]. mask-making
[MAG+01]. Masking [JMLW94, Mid70b].
Mass [Lev66, MKJM93, Pat80, SFD77, MS89, Spo94]. mass-production [MS89]. Massey
[Gus76a, Gus76b]. Massive
[CP13, SCC+15, SoFi13, BBC+08, GGK+13, KCLM13, SXV+13, ZSY+13].
Massive-scale
[SCC+15, SoFi13, GGK+13, ZSY+13]. Massively
[CAc+08, VBC+08, ZEH+08, BSMH01, CBV08, CDD+10, RQPW08, STW+08].
Masseslice [Bra75, CCJHS1]. Match
[BR82]. Matched [VSF65]. Matching
[KR87, Kur87, LC80, Maz70, Tap82].
Material [BS84b, CS65a, Hai85, Par60, AAC+06, DVM81, RK72, Yan07].
Material-Handling [Hai85]. Materials
[Ame80, BHR77, BS77, Buc99b, Hat88, Hov78, KN81, Lew78b, Lip92a, Mer78, STCR84, ARM+01, ABR71, AR98, BK76, BWB+82, CBH+05, Cop00a, DG93, EKS+04, Gori99, Hsi99, Joo99, KS00, Keil89, MBC+96, Nes98, NSO98, See93, SA00, Tan96]. math
[EFG+05]. Mathematical
[DB69, KO67, KO69b, Opr03, Pau75, Pu03, Sh57b, S57c, SS59a, Var19, CLF67, KM68, KM73, WH94]. Mathematics
[Coh87, HM87, Wan60, AKM+03]. Mathieu
[Lev66]. Matrices
[Er59, Fa65, Sch84, VM79, AGZ94c, CW58, Fil70, Gus03, PS91, Tue68]. Matrix
[Chi60a, Con58, Con60, Her66, Mar59, McA83, Tue60b, ZH89, AGZ94b, ABG+95, AIH+98, CAW+98, Gup97, LCL+98, RSS91, Ris72, Sit71, Tol97]. matrix-multiplication
[AGZ94b]. Matter
[FR+08, GZE+05]. Mature
[Tay84]. Maximal
[Adi69, Mar64a, MS60b, Pat70]. Maximizing
[RM03]. Maximum
[Bar80, Bar86, Boh70, EOH10, FHSD06, Mac60]. maximum-energy-concentration
[Bar86]. maximum-likelihood
[EOH10]. Mb
[FKOP90, GP06a]. Mbps [OCB+90]. Mc
[Rut59, RS59b]. MCAW
[EBH+16]. MCM
[KBM+99, KPT+02, Lee77]. MDGRAPE
[EKS+04]. MDGRAPE-2
[EKS+04]. Mean
[Col62, Pri85a, Mat03]. mean-value
[Mat03]. meaning
[AC92]. Meaningful
[Sha12]. Means
[AK82, Sie63, CNH73]. Measure
[SS88, DB01]. Measured
[SS88]. Measurement
[BDS+97, Cha73b, EGS80, FF73, Hun59, KK+73, Smi60, VCP80, BP74, DR93, GRH+08, GLCW93, H73, KMK68, KO69a, KS01]. Measurements
[Ahu66, Bro66, CEY84, DKAC67, FFH64, KC89, KWB88, Map62, PSH80, Sie70, WB70, ABC+99a, CMD89, ESHM95, EFR+05, LS72, NBF+16, Peh69]. Measures
[FF84, Gia66, HP84a, Sav70]. Measuring
[Be62, DH90, FL74, KRS+17, RSL+70, Yan71]. Mechanical
[AOR62, BBK86,}
DH83, LW77, Tay57, TBG+15, Wan60, WLPL+80, WCB+86, Bal91, BBF+05, Fer70, GPL+92, KLS+05, Pri66, WGC93.
Mechanics [CF72, Pri58b, Moi91, Tho94].
Mechanism [Bay78, Cla79, HP66, Mee67, MWEJ05, HMM82].
Mechanisms [BLR84, BRA84, Cha69, Gom86, Ho66, Kas70, PL79, Sch62a, vAR82, BW72, MMV+01, PAZ72, Whi93].
Mechanistic [GB93].
mechanized [Luh57].
Media [Bay69, Blu79a, Pol78, SW74, BDMN14, BEJ+14, HPZ+05, JMM+96, KSSC+13, MA96, NMH+07, RVT+13].
mediated [GB93].
Medical [Pet77, ACC+15, GDLS14, KWB+15, OMA+96].
medical-image [OMA+96].
medicine [Far82].
Medium [Cop00a, Gru79, Mir60, CDD+10].
Medium-energy [Cop00a].
meeting [MWL+14, KSB07].
meets [MBB+01].
Megacycle [WRLA57].
megapixel [SGY+98].
Meissner [Mat62b, vK62].
melanoma [CNP+17].
Mellin [Lew75].
MEM [KJP11].
Membrane [DWGC85, Pet79].
membranes [ABM+01].
Memories [Ast58, Gra80, Sch63, WT77, FR01, Gab69, Hui90, KMB+08, Lai08, ORT+96, VTM+09, WW71].
Memory [Aic84, ABP+66, Bar75, BBC+96, Bla63, BCI84, CFI73, CH84, CR84, CLW80, CP263, Cro57, Cve87a, Dab63, DHZ80, FMP+61, FP57, Gar57, Ghia75a, Gha75b, GMW80, Has62, Hor62, JM64, KS+76, KJMS67, KHB+66, LL99, LH57, LH00, LST80, MRH89, MLGD84, Mat80, MP61, NAB+15, ND57, ND00, OBB+05, OSt84, Pea69, PBS+67, PCHR81, R984, RRS+86, RW+80, SSW+65, SMD80, Swa60, TRF+01, Tro50, WWLF67, AGZ94b, BS06, BPP72, BPS81, BAB+13, BH80, BCCK92, BKS+08, CP97, CTT+91, CNG72, CW91, Don74, DMR+81, FP73, FHP+01, FW08, Hat72, HRC80, Lar80, LGW+15, Lee77b, LH84, MBJ+97, MDB+02, MHI01, Mat03, MLMP+12, MCG+15, NFS+17, OWG+13, Pat72, RBB+08, RHC73, SKP+06, SSD+15, SDS+18, Sur15, T97, TGB+80, VLT+12, Won90, AFP+01, SAP+01].
memory-system [To97].
mentor [WA15].
Mercury [CJT+62, RL70].
Merge [Tod78a, TW85].
Merged [SS76, Lec77b].
merging [GLK+12].
Merit [Esa62, Gia66].
Mersenne [Nus76b, Nus77].
mesa [AA71].
MESFET [Moh70].
MESFets [JVP+90].
mesh [FGH+06].
mesh-connected [FGH+06].
Mesoscopic [CRG88, KH88].
Message [Age04, Age05, Age08, Bal05, Cal81, Che06, Che08, DR08, Des02, Des04, Don00, Kov06, Man18, Mey03, NNF+15, Nun09, Pea09, Pic18, Pri07, PS90, Pul07, Ros03, San12, Str4, Viv14, AAC+05, KLM+19, LDSY91].
message-passing [AAC+05, LDSY91].
Messages [MG63a].
messaging [BEE+02, NNM+10, SCW+10].
META [AGH+16].
Metabolic [NBF+00].
metabolism [LP+86].
Metal [BLR84, BRA84, Fre70, LMD70, RM70, RW+80, Was88, BNT+86, CWC95, Dat88, DN97, Dür64, GB93, GNF+06, HSH+88, KMB+08, OH+88, SN98, VWJK11].
Metal-Insulator [RM70].
metal-mediated [GB93].
metal-oxide [VWJK11].
melt [ND97].
melt-polyimide [ND97].
melt-polymer [HSH+88].
Metal-To-Polysilicon [RCW+80].
Metallurgical [Coo62, Lan88, SC88, CCG73, Lan57, Lan96, Lan00b].
Metallization [FHL+82, Ham78, Mid70a, WKD98, CU98, GPL+92, LV94, WDA05].
metalloenzymes [MMV+01].
Metallurgical [HNM+87, KT84, BA69, TS69].
melt [T90].
Methacrylate [AGLM+95].
Methacrylate-Based
methacrylates [Hir77].
methane [HHIA93]. Method

[ARV64, Beb62, BP84, Bre72, Dan60, GS87, 
Hu879, LC80, Man85, MS67, 
MVI+07, Pri58c, Rot66a, SR63, Thr65, 
VCP83, WSS83, Wel61, Yha75, BGK+82, 
Bok70, BK+88, BS72, Bra72a, CP72, CW72, 
Dan66, FRPG01, Fra80b, Fro71, Gil60, 
GB71, HRW69, JP94, KNS98, Lan66, 
LS77, Lei61, MN70, MC87, Mic72, MTB+90, 
SNA02, Sit87, TLM83, Tom72, WLEF89].
methane + [CW83, LSH76, SH84, TS82, ABB 
methodologies [GGKK96]. Methodology 
[CGM+85, GOJN77]. methodological [DRSM15, FM10]. metrics [BC18].
metabolic [RS85, Sta85a, ABB+99, BBS+03, CS99, 
CT06, DKS+95, GBRJ05, SLC+97, SCC+97, WBS+18]. Microprograms [Bir74].
Methyl [AGLM85, GOJN77]. Metric [DRSM15, FM10]. Metrics [BC18].
Methyl [AGLM85, GOJN77]. Metric [DRSM15, FM10]. Metrics [BC18].

[AGLM85]. Methacrylates [Hir77].
methane [HHIA93]. Method

[ARV64, Beb62, BP84, Bre72, Dan60, GS87, 
Hu879, LC80, Man85, MS67, 
MVI+07, Pri58c, Rot66a, SR63, Thr65, 
VCP83, WSS83, Wel61, Yha75, BGK+82, 
Bok70, BK+88, BS72, Bra72a, CP72, CW72, 
Dan66, FRPG01, Fra80b, Fro71, Gil60, 
GB71, HRW69, JP94, KNS98, Lan66, 
LS77, Lei61, MN70, MC87, Mic72, MTB+90, 
SNA02, Sit87, TLM83, Tom72, WLEF89].
methane + [CW83, LSH76, SH84, TS82, ABB 
methodologies [GGKK96]. Methodology 
[CGM+85, GOJN77]. methodological [DRSM15, FM10]. metrics [BC18].
metabolic [RS85, Sta85a, ABB+99, BBS+03, CS99, 
CT06, DKS+95, GBRJ05, SLC+97, SCC+97, WBS+18]. Microprograms [Bir74].
Methyl [AGLM85, GOJN77]. Metric [DRSM15, FM10]. Metrics [BC18].
Methyl [AGLM85, GOJN77]. Metric [DRSM15, FM10]. Metrics [BC18].

Microbiology [WSE+16]. microblogging 
[CGM+15b]. microcode 
vBBE+02, GS05, KKM02]. Microcoded 
[CN74]. Microcontact [BLDM97].
Microdisplays [HP01]. microelectronic 
[Cop00a, CNC+95, KLS+05, TW69].
Microelectronics 
[DHSC64, Ang01, BB+07, DHSC00, JS00, 
KBF+92, OSP+98, RWM+05, RB92].
microelectronics-related [JS00].

Microfabrication [Dat98b, Dat98a, vs98]. 
microfractography [Mod82b]. Microglossaries [Tar63]. Micrographs 
[Kra81]. microinch [CMR72].
Micromechanical [Pet97]. Micromechanics [LDL84, Poh95].
Micrometer [Ghe80, BK76]. 
Microminiature [LRF05, VLB14].
imcromodels [LS73]. micron 
[KCA+95, MTH71]. Micropitch [NS0098].
Microprobe [KM74]. Microprocessor 
[AK82, CT82, Cor82, HS81b, ML82, 
ADH+00a, BGW+04, BBH+95, BBA+07, 
BCJ+96, BGBP94, BBC+12b, CCW+02, 
CFP+07, CJB+15, FKG+07, FPB+11, GP81, 
HKR+97, JSP+18, J096, KL97, KAB+12, 
LR97, LRH+02, MBF+07, MP82, SRL+11, 
SBT+09, SWC+97, SPM04, SMK+99, 
VMM+94, VLP+05, WKP+02, WL97, 
Web00, ZS03, ZFG+11].
Microprocessor-Based 
[HS81b, GP81, MBF+07]. Microprocessors 
[RS85, Sta85a, ABB+99, BBS+03, CS99, 
CT06, DKS+95, GBRJ05, SLC+97, SCC+97, WBS+18].
Microprograms [Bir74]. Microscope [AMGC86, APS86, BM86, 
CW86, DHTW86, KJ86, v86b, BNT86, 
KK+95, MP90]. Microscopy 
[An06c, DPR86, FF86, Fin86, Gar86, GH86, 
Gm96, HG83, HBR85, Poh86, SB86, TH11, 
WKB+86, All00, Bat00, Br00, Dür94, 
EBd+86, HBR86, KWT+11, Lu00, LFC95, 
Mat95, MHT+91, Poh95, Ros00, SKB+11, 
SA00, Sto91, Tro00a, TTP89, W71].
Microsection [RRSW61]. Microsectioning 
[Han57]. microstrip [HR69]. Microstructural [SGC+87].
Microstructure [GH86, Hat88, KLS+05, 
KWJJ84, Kuh88, Lye77]. Microstructures 
[Sc88]. Microtasking [CSZ86].
microturbulence [ETW08]. Microwave 
[BGS64, FP69, Gli69, GRT74, RS69, Smi57, 
SOC59, W07, BH89, Tr69]. mid [Jaq03].
mid-range [Jaq03]. Middleware
midplane
Migration
[GRSW86, AT00, CBV08, HBT+16, WGS04].
military
[BC+07]. Millicode [HF04].
Millimicrosecond [DP59], Millipede [VDD+00]. MIN [BP74]. MINI [HCO74].
Miniaturization [Key88, Key00, Llo67].
Minicomputer [Rad83, Rad00]. minima
[LMP69]. Minimal [GJ00, KL70a, Moo60].
Minimal-storage [GJ00]. Minimizable
[Tie61, WS75, CJM96, HB73, SGK04].
Minimization
[OH74, Pal61, Rot60a, Rot60b, RK62, Tid62, HC074, RW59]. minimizing
[MWL+14].
minimotor
[OCR+98]. Minimum
[Hsi70, Mar61, Pat70, HZB+06, Kar73, Mac60].
minimum-distance
[Mac60].
minimum-energy
[HZB+06]. mining
[ASR07, BGL07, KSSC+13, MIL+18]. Mira
[CKL+13]. Mirror
[Kue60, Pet80]. M
d [CL74]. Miss
[SS76, MHI01, Thi88]. missile
[RMR94]. misuse
[SJW+16]. mitigate
[ESA02, SLZL18]. mitigating
[SP14]. mix
[TYM+14]. Mixed
[Azb88, BLR84, GS72b, GS72a, Lee07, NBF+16, Mey00b, VVPB90].
Mixed-effects
[NBF+16]. Mixed-integer
[GS72b, GS72a, Lee07]. mixed-signal
[Mey00b, VVPB90]. Mixing
[FGMPK05, SB62]. Mixtures
[GBC65, CJ78b]. MMA
[Lye77].
MMA-Co-MAA
[Lye77]. MNETS
[Mat98]. MnO
[Mat70]. MNOS
[FP73].
MnRh
[Su75]. MnTe
[MDJ+70]. Mo
[HBL62]. Mobile
[CJK+13, GRB+16, Rit13, CLP+13b, CLP+13a, HHC+18, KKT09, OYHSB14, RRMD17, RFB+03, SSK+16, YGR14, MFB+13]. mobile/BYOD
[SSK+16]. Mobilities
[P61]. Mobility
[LB85, PB69, Sic70, AAM+07]. Mode
[Dum63, GHW70, KHBC66, PK61, SAL63, Tie61, WS75, CJM96, HB73, SGK04].
Model
[AKKJ72, AST67a, AEGP67, And73, AHH+91, BBS78, BM63, BG+67, BH82, BHWZ63, Cha74, Cho75, CP77, DB69, Doo83, Eas75, Eas78, El 74, FL67, Ins77, KS79, Kle64, LS75b, Lom76, Lom80, MDJ08, MTS84, MMY+01, Nor58, NM65, Sav69, SH57b, SH57c, SNP06, SFT78, SM87, Sta4b, TY64, TC63, TO77, AP69, Ag74, ABK89, AKRS04, Bar83, BC00, CG71, CBD+09, Fl91, Gam72, GGRW91, Gsc09, GSA17, HCT72, Hdr76, JL90, KMMD19, Koc59, Lew78a, LGBV17, Moo72, MS07, PLK09, Q67, QTG13, RBL+09, SHC+12, SM71, Sta75, TWM+14, TMW+17, Var89, Wor06, Var12]. Model-based
[SNP06]. Model-driven
[MDJ08, TWM+14]. Modeling
[BS81, BKM80b, CH60, DKS+95, EGS+85, Fl81, GL87, GC93, Ham99, Hoh78, Ir93, KW76, KGS85, LS76a, LGVB17, LBT99, MM69, OHM+85, PB89, Pau89, RR87, SCR78, SRI96, Sta83, Sta84a, IBM13c, VDP94, Was77, WLP17, wes90, WWK+87, YAS07, AH+03, Boh73, DJK14, FGWS81, HNS+03, HS11, KCO08, Law02, LFL+92, Lee07, Mah93, Man90, MS96, MN+06, Osb93, PCW+17, RES+15, RWM+05, RBB+08, Rub90, SJMKB08, Sta76, Sta00, Tan08, VMG99]. modelling
[DZW71]. Models
[BS84a, CW85, ET86, Fer75, FN71, LB85, Mil84, Ohb84, SC75, ZG65, ADG+92a, AKB+17, ARS+17, BHP17, BW16, Bir01, Car10, CCF+10, CKE+10, HA00, Mat03, NBF+16, NPL17, OTC14, OIM+13, SMS80, TCP+16, VCHL16, el 69]. Modern
[CN74, GP81]. Models
[HS81b, Nob95]. modern
[ZBBB17]. Modes
[Bei74, Fan64, AL76, YL98]. MODI
[MBF+13]. Modification
[AMGC86, KMCY82, ACM+89, EM94, LV94].
Modified
[Ho75a, JP94]. modify
[TWM+17]. Modular
[Bra75, LV62, Mat98, NCM+01, FGH+06, KMC+11, WPL+12].
Modulated
[ASV76]. Modulation
[An06, Bla65, Hop59, PL83, Pat75, CN71]. Modulation-Demodulation
[Hop59].
modulator [SGY+98]. modulators [YL98].
Module [BGR82, BB82, CW83, HCBA82, HW87, OK82, PW83, San83a, DHK+92, ESA02, GZM92, KLM+91, KPT+02, PGS+98, YCB05]. Modules [Cle83, Mul74, BRB92, HOWP92, MKW+05, WDK98].
Moduli [AW62]. Modulo [CM80].
modulus [AEG+02]. Moiré
[GLCW93, Abb66]. Moisture
[BP84, MLSS84, MVK85, BF8+05].
Molecular
[ABR71, BBS78, Dem78, Lun79, MY67a, MY68, RSSS82, AHK+18, ACM01, ABM+01, BBK+08, DP68, EB06, EFG+05, Far98, GZE+05, GI88, Gyg08, KH+08, Mat95, SPP+05, WNPB91, ZEH+08, ZHP+18].
Molecule [MY67b]. Molecules [Cle65a, SLL64, Cle00, HMK95, TWRR89].
Moment [Cas70, HCT0, CBH+05].
momentum [Sun06]. monetization
[CDL+14]. Monitor
[MHI98, MHR+15, MAD+98, WCNSH94].
Monitoring
[Cle83, CMR72, Irv91, ABC+99a, BCH+16, BAV+09, BISN+12, BFG+99, CDSW06, HKA+13, Hor98, KCH+09, LR07, MSV14, MC09, ODL+09, SCW10, Sta76, Sta00].
Mono [Fin86]. Mono-Atomic [Fin86].
monochromatic [PW68]. monogamous
[Ter04]. Monohydrate
[Pan78].
Monolayer [Mor79, BLM97].
Monolayers [DK79, RSSS82]. Monolithic
[BFL66, DHK00, CGN72, KAC95, Spr71, TS69]. Monopole [Lev66]. monoxide
[KLE71]. Monte
[Ken61a, LFH90, MNR86, MS96]. Moore
[HS60, Koc59, Lam77a]. Moore-Shannon
[Koc59]. Morphological
[Ins77, BBPS91]. morphologies [KSH+08]. morphology
[SRS94]. MOS
[BBHS84, Lud00].
MOSFET [An06b, AAC+06, EKT90, Gae79, OKH+02]. MOSFETs
[LBT99, LDSA02, WS75, RGL75, SF+06]. Motion
[BBT83, Hau67, Hen83, Her65, Mir60, RVV88, Bau72, BS71a, GYK99, Gre60, HAG+13, MHW95].
motion-estimation [GYK99]. Motions
[ASV76, Oht95]. Motor
[MR76b, BSSZ76, LRNS17]. motoneuron
[DC73b]. Motors [Fre67]. mounted [Hei90].
move [BGS13]. movement
[BSY+15, McN94]. Movements
[Pic87, LRNS17, PAH+18]. Moving
[ALL77, AAM+97, BGT74, LPA+15, Sht79, BM68].
moving-coil [BM68]. MPEG
MR [Lan96]. MRAM
[An06c, ATW60, GON+06, GP60a, MDG+06, Wro06]. mu
[Bra72b]. Much [Goo58]. Multi
[BT67, BW83, CW83, HSL+10, Kru84, Okt71, Ros66, Sak79, TYY+14, Wre83, ATL+88, CLP+13a, GWR+90, Irv93, KMM+16, LQRS04, Mon82b, NPL17, Okt03, RBB+02, SLC09, ST89]. multi-adaptive
[LQRS04]. Multi-Chip
[CW83, GWR+90]. multi-core [SLC09]. multi-delay [NPL17].
multi-factor [CLP+13a]. Multi-fluid
[Okt71]. multi-gigahertz
[Okt03]. Multi-Head [Ros66]. multi-image
[Mon82b]. Multi-index
[HSL+10]. Multi-Layer
[BW83, Wre83]. multi-loop
[ST89]. multi-node
[Irv93]. Multi-period
[TYY+14]. multi-purpose
[ATL+88].
multi-site [RBB+02]. Multi-Stage
[BT67]. multi-tenant [KMM+16]. Multi-Terminal
[Sak79]. Multi-Version
[Kru84]. Multiband
[DG84]. multibook
[BGW+04]. multibooks
[WGS04]. Multichannel
[WA79]. multichip
[KPT+02, MKW+05, PGS+98, WDK98, YCB05]. multicolored
[Bil72]. Multicommodity
[VJA07]. multicompartment
[TMW+17]. Multicomponent
[Bil70, WC69].
Multiconductor
[Wee72]. Multiconic
[DJ75]. multicore
[BFH10, CBD+09, FNY+10, SSMG010].

51
SKS+11, TWX+10, WNW+10, ZCLS10]. **Multicore-Processor** [FNY+10].

**Multidimensional** [KM77, FAFL91, TG91].

**Multifaceted** [GSC12, JHW+16].

**Multifont** [RH75, KL63]. **Multilayer** [BBS2, LDL84, Cha88, DN97, FLP90, GA88, RRB+01, TKK+92]. **multilayers** [Jon98, Par98, SN98, VWJK11]. **Multilevel** [CM80, Gec74, Kan74, Mer88, RT75, BSHM01]. **Multimedia** [DF98, FT98, Gon99, SS15, BBD+98, DFDNS98, Has98, MMWLN99, BBD+98]. **Multimode** [SA66, ABD+92].

**Multiobjective** [Agr01]. **multiparty** [BHH19]. **Multiple** [Ano66j, Bla65, Dah63, DLK84, DK67, DW58, Elm84, FLCB85, GHWS82, Hor57, Pat86, RK75, Sch80, Slo66, TW62, Tod78a, Tom67, WYTO04, Bra72a, DW90, DSS+92, GA68, KB+18, LKY80, LD72, MN70, Oht95, Hei80]. **Multiple-Access** [Ano66j, Bla65, LKY80]. **Multiple-Curie-Point** [DK67]. **Multiple-Element** [DW58].

**Multiple-input** [DW90]. **Multiple-logical-channel** [WYTO04]. **Multiple-Nozzle** [DLK84].

**multiple-output** [MN70]. **Multiple-Technology** [Elm84].

**multiple-valued** [GA68]. **Multiple-Variable** [FLCB85].

**Multiplexing** [RTM65, Thr65, BNW99].

**Multiplication** [Ken61b, Meg62, RSS91, AGZ94b, ABG+95, Tol97]. **Multipliers** [VPS88, BH95]. **Multiply** [MS87, SN87, AEG+92].

**Multiply-Connected** [MS87, SN87].

**Multiprocessing** [KSW74, MSB+04].

**Multiprocessor** [FL75, KDH+05, LDSY91, LHR+02, MHI01, RS91, SRL+11, SWB+91, SON+91, VLP+05]. **Multiprocessors** [CSZ86, BLM+92, FGT91].

**Multiprogrammed** [CDW75, Cho75].

**Multiprogramming** [And73, CFL73, Gha75b]. **Multipurpose** [Dun57b, DMN59, EBD+95]. **Multiqueue** [Lei62, Lei61]. **Multiqueueing** [Sch62b].

**Multiscale** [DKA+05, PSP06, NNN+06].

**Multispectral** [Kan78, SM78, DBK82, NT72]. **Multistep** [Ode87, LO72]. **multithreaded** [ABF+10, BEKK00, CDD+10, CJB+15].

**Multithreading** [Ano05c, ABB+15, MMM+05]. **multivalued** [BP74].

**Multivariate** [Wat60a, BS72, OOL+12, YR91].

**multiwavelet** [FBHJ04]. **Muon** [Ke89].

**Muon-spin** [Ke89]. **Murphy** [Me83].

**Mutually** [LF64]. **MVS** [ALS81, CHY92, SV92]. **MVS/ESA** [SV92].

**MXT** [AFP+01, SAPT01, TFR+01].

**mycotoxin** [NBF+16]. **myocardial** [LPPT86]. **myofilament** [HdTR06].

**n** [HC69, KO66, MG63b, BS69, BGK+80, EB99, KOG67, KOG58a, MN77, SS87b, VM79, Wei65, Bay69, LDSA02, MNP+69].

**N-Alkane** [VM79]. **n-Ge** [Bay69].

**n-InSb** [MNP+69]. **n-MOSFETs** [LDSA02].

**N-Queens** [SS87b]. **N-type** [MN76b].

**NACME** [Gar00]. **NAMD** [AHK+18, KH+08]. **name** [AFCB94].

**nanocrystal** [MSG+01]. **nanocrystals** [MSG+01].

**Nanolithography** [UBK+88, SS93]. **nanomagnetic** [Sun06].

**Nanoscale** [ZVW+11, HST06].

**Nanoscience** [TH11].

**Nanosecond** [DPW06, DPW00, PSS67, WWLF67].

**Nanostucture** [CKK+88, HST06].

**nanostructures** [HJS98]. **nanowires** [SHS05].

**NaOH** [PM72]. **narrative** [GCL+19].

**Narrow** [DKCA67, KM66, LC83].

**National** [Coh87].

**Natural** [BKU88, Hei76, Leh78, O’C89, Pet76, Pla76, SFT78, AKB+17, BCD+17, CGS61, MIL+18, TYS19, WN92].

**Natural-Language** [BKU88]. **Nature** [BD62, MKP73, VMH+83, Eme89]. **Navy**
one-megapixel [SGY+98]. One-Step [LM80]. one-terabyte [CIE’03]. One-Way [She59a]. Online [RP14, Koe18, MOG+19]. Only [FMP61, Has66, JT66, MPST66, TK64]. onto [DKA+05]. Ontology [Pon17, FPST14, HHH04]. Ontology-driven [Pon17]. Open [AHM+07, BHP17, HTH’09, LD74, SP14, ZST’07, ADG+09, CBD’09, GHL’04, GDA14, GWRS90, LH03, Mat03, RBL+09, van73b]. open-queuing [Mat03]. open-source [LM80]. One-And [BH79]. DSM [BMK+99, JPS81, SH62, SS61, SSTF77, WSW83, WR83, WB70, AAH88, AFF96, Bar68, BIK’05, Bro72, Bru97, DH69, DSRC98, GM69, HHF69, Hen68, PK03, PR71, SGL’97, SRCW97, TJHK03].

Optical-Digital [WSW83]. Optics [LC82, MPS77, RSSS82, Zwe65]. Optimal [BJ67, Bud67, Chi60a, Her75, Hsi70, Kan74, LF77, Lew80, Low74, Mil83, MPP88a, PH74, Rob67, BM68, EBD+95, FXL01, GHH+17, GB71, HSL+10, MD12a]. Optimization [BBH82, BDH83, Bou97, BMS80, Bra80, Cho74, Hal76, How82, Jur78, KLC84, LH03, MS75, PSW+07, SK00, SKK14, SMD80, Agr01, AAS+14, BCC+12, BKN10, BBH+95, BSJ+13, BGL07, BDHH+09, BR09b, CDSW06, Cor93, DFNNS17, DXZS13, DBNK+17, FR5+18, Gol69, GCFW07, HHSR96, KBA07, KKL+14, KSB07, Mey00b, MS07, NAR+07, PK18, Sel07, TYM+14, TGL+12, ZFG+11, ZFD+15, Pui07]. optimizations [HS04]. Optimized [Bea74, MBF+13, BEE+02, FCE+15, LDJ+10, MDN+18, Mye72, SDS+18, Wei91]. Optimizing [Ada84, BGH’05, FHS06, GKT17, LB07]. Optimum [vdp72, van72, van73a, van73b]. optoelectronic [HVK+90]. Orbital [BBS78]. Orbiter [Soh76]. orchestration [AAS+14, HBT+16]. Order [El 74, Koz81a, Pet77, SM62, Swa57, Tri58, van89, Agi74, BMK+05, DBK82, Koz81b, Kri82, Sar97]. Ordered [HC70, JM64, DH03]. Ordering [Kus70, FPS+70, Sie70, Gup97]. orders [CIE+03]. ordinal [HE10]. ordinary [FW67]. Organic [BH79, DM01, GFHW82, Lew78b, Mer78, MCK01, SS01, SL66, SL67, SLHM67, ARM+01, CA01, DVM81, DG93, HP01, RR+01, Sch71]. Organic-inorganic [MCK01]. Organization [BMK+05, LH57, RR38, YY76, BBP72, Cor69, FR01, GA68, Gro90, Jee58, LH00]. organizational [DSZ+12]. organizations [VRL10]. Orientation [BTW62, Cam57, RSSS82, DDMS92, WTS+11]. Oriented [FE75, LP75, Lom80, SGT78, Alf89, GGH+13, Pes71, RD12]. Origin [CGHK77, Kuhl88, Cre81]. original [Lan96].
Originating [Dah63]. Origins
[MS05, Mat95]. Orthogonal
[HBC70, OG87]. Orthotropic [BBT79].
OSA [BEE+02]. OSA-Express [BEE+02].

Oscillations
[BGS64, FP69, Gef88, Gun66a, SH69, WS64].
Oscillator
[Ros59, Rut59, Las61, MWW+07].
Oscillators [Net60]. Oscillatory [AW98].
Oscilloscope [GFS71]. OSI [FP83]. Other
[Ano57k, Ano57l, Ano57m, Ano57n, Ano58j, Ano58k, Ano58l, Ano58m, Ano59f, Ano59g, Ano59h, Ano59i, Ano60j, Ano60k, Ano60l, Ano61f, Ano61g, Ano61h, Ano61i, Ano62f, Ano62g, Ano62h, Ano63f, Ano63g, Ano63h, Ano63i, Ano66s, Ano66t, Ano66u, Ano66v, Ano66w, Ano66x, Ano67w, Ano67x, Ano67y, Ano67z, Ano67-27, CPD+09, NB61a, NB61b, WR83, Ano94r, Ano94s, Ano94o, Ano94p, Ano94q, Ano95i, Ano95j, Ano95k, LZZ+16]. our [FvGM90].
out-of-order [BMK+05]. outages
[CHMW07, MVI+07]. outlook [GGK+13].
Output [BHWW77, HW81, Sve78, TW62, BS8+08, HB73, HBL+02, MN70]. ovary
[NBF+00]. Oven [GMT57a, GMT57b].
Overflow [SL76]. overhead
[EO13, Fia91, HS91, SKS+06]. Overlap
[Bra72b]. overlapped [AGZ+94b].
overlapping [CN94]. Overlay
[Rot80, BTW92, CL86, MMWLN99].

Overlying [Lan85]. Overview
[Ame80, BCC+05, Bro80, BKS+08, CAC+95, GBC+05, GCS+12, IBM08, Mat80, SPP+05, YS99, BGM90, CdLS92, DCB+05, FGB12, GR92, Oht95, PMLA88, Pen91, SAB+02, Sni96, TFJ+96, ZL97]. own
[CLP+13b, JKB+13]. Oxidant [LD74].

Oxidation
[DJ70, KEJ87, Pl+66, Hes99, MFS+11].
Oxide [BKM80a, Gar86, OG80, RF78, EB99, GLG+99, KMB+08, Lud00, RG90, SF93, VWJK11]. Oxides
[Fre70, Hon70, RM70, BPL+89, HBC+99, HBB99, KIF+89, LBT99]. Oxygen
[HHB+89, MPCM82, Sha58a]. oxynitrile
[EB99]. Oyster [KW83].

P [Ber76a, IBM08, MB75, Wei65, Wie76, Lye77, PK61, S69, KO67, KLBP64, Wei65].
P-N [BS69, KO67]. PAC [ET69].
Package [BB82, CHS82, Dav82, HCBA82, JH80, KMH82, BCK+05, CS84, CBC+18, KAB+05, KRT98, Pai72, CMS85]. packages
[PGS+98, RBWH93, Rub90, SJMB08].

Packaging
[Att92, Bro80, BHWW63, CBC+05, CHT+13, HW87, KLC84, KT84, PBC+04, SF81, STCR84, TBB+09, Wee79, WHK+09, AKRS04, Ano01c, BHH+15, BBF+05, CAC+05, DKKH00, HPW+02, HDW+07, KDT18, LFR05, PK88, SAB+02, SBC+12, TBG+15, VLLW14, WBB+04, YT16].
Packet [Str81]. Packets [MFT77]. Packing
[KM77]. Packs [BT78]. Padé [Ris72]. Page
[CFL73, AAH68, Ano58e, Bar68, Hat72, Hen68, KGT88, LS73, Bar75].

[Bar73, BP74, TKG89, Tue76]. Pair
[Cor84, HL83]. palette [KLMV19].
palmitate [VBM71]. Panda [CMP87].
Panel [Ham78, Lan74, LS78, LCH74, PW78, RBCC87, Wre83, Wym57]. Panel-Drilling
[Wre83]. Panels
[AS78, BdM+78, OPR+78, O’H78, RP78].

Paper
[Ast67b, Bay78, BS84b, CD78, Sve78, Lax67].
Papers [Ano57k, Ano57l, Ano57m, Ano57n, Ano57v, Ano57u, Ano58j, Ano58k, Ano58l, Ano58m, Ano59f, Ano59g, Ano59h, Ano59i, Ano60i, Ano60j, Ano60k, Ano60l, Ano61f, Ano61g, Ano61h, Ano61i, Ano62f, Ano62g, Ano62h, Ano63f, Ano63g, Ano63h, Ano64k, Ano64l, Ano64m, Ano64n, Ano65k, Ano65l, Ano65m, Ano65n, Ano65o, Ano66s, Ano66t, Ano66u, Ano66v, Ano66w, Ano66x, Ano67t, Ano67w, Ano67x, Ano67y, Ano67z, Ano68j, Ano68l, Ano68m, Ano68n, Ano68o, Ano68p, Ano68q, Ano68r, Ano68s, Ano68t, Ano68u, Ano68v, Ano68w, Ano68x, Ano68y, Ano68z, Ano69i, Ano69j, Ano69k, Ano69l, Ano69m, Ano69n, Ano69o, Ano69p, Ano69q, Ano69r, Ano69s, Ano69t, Ano69u, Ano69v, Ano69w, Ano69x, Ano69y, Ano69z, Ano69a, Ano69b, Ano69c, Ano69d, Ano69e, Ano69f, Ano69g, Ano69h, Ano69i, Ano69j, Ano69k, Ano69l, Ano69m, Ano69n, Ano69o, Ano69p, Ano69q, Ano69r, Ano69s, Ano69t, Ano69u, Ano69v, Ano69w, Ano69x, Ano69y, Ano69z, Ano69a, Ano69b, Ano69c, Ano69d, Ano69e, Ano69f, Ano69g, Ano69h, Ano69i, Ano69j, Ano69k, Ano69l, Ano69m, Ano69n, Ano69o, Ano69p, Ano69q, Ano69r, Ano69s, Ano69t, Ano69u, Ano69v, Ano69w, Ano69x, Ano69y, Ano69z].
Ano67v, Ano67-27, Ano01c, Bos97, Buc99a, CP99, Gri92, Han96, Kle91, Kuo99, McG92, Tro00b, Ano86b, Ano92a, Ano92h, Ano01n, GM60, Mar62, Par98.
Paprs [Ano67g].
para [HKvG+11]. para-sexiphenyl [HKvG+11]. Parablic [Pli66, Wid67]. paradigm [RCFN+08]. Parallel [ABC+99b, ARG00, CPT2, CCC+79, Cha79, CD85, Cve87a, CTT66, DKN87, DSM+99, DGL+97, DEH+12, ECD+99, ET66, GPE99, Kle91, Kog74, Mir69, RGP+97, RKG99, RHM+99, SSM97, SCC+97, SWC+97, SG99, SKE+18, VPS88, WMH+97, AGZ94b, ABG+95, BSHM01, BHH03, BCR91, CBV08, CFD+91, CN94, CIJ+10, CNC+08, EG00, Fla91, JZ91, MKJM93, PMW06, RQBW08, Sar91a, SSW91, SNP06, STW+08, SZ91, VBC+08, ZEH+08, ABB+91, DB76].
parallelism [AGZ94a, HS91, LDSY91]. parallelizable [SG94b]. parallelization [BBK+08]. parallelized [CJ91].
partial-response [KT70]. Partial-Switching [Die62]. Partially [SMD80, DH03]. Particle [BTW62, Sta87, Tan96, ETVW00, GRH+08, HRC+08].
Particle-induced [Tan96]. Particles [CHBH85, Sta86]. partition [AAM+07, SGK04]. partitionable [SWB+91]. Partitioned [WF83]. Partitioned-Block [WF83]. Partitioning [AK82, DH73, Gha75a, Gha75b, HMW74, Luk74, Luk75, PS80, Gup97, Mic72, Sar91a]. Partner [BDMN14]. Partner-marketing [BDMN14]. pass [MRG99, WRG99]. Passage [SS82].Passing [CS85, AAC+05, LDSY91]. Passivated [CL64, IBC64, Leh64, TY64]. passivating [PM72]. Passivation [KLB94]. Passive [Sie63, SSK+16]. past [KLRS96, SLK+97]. pastes [FGMPK05]. Patch [DB76]. patent [MIL+18]. Patents [Ano57o, Ano57p, Ano57r, Ano57s, Ano57t, Ano58n, Ano58o, Ano58p, Ano58q, Ano59j, Ano59k, Ano59l, Ano59m, Ano60n, Ano60o, Ano60p, Ano61j, Ano61k, Ano61l, Ano61m, Ano62i, Ano62j, Ano62k, Ano63j, Ano63k, Ano63l, Ano63n, Ano66n, Ano66o, Ano66p, Ano66q, Ano66r, Ano67n, Ano67o, Ano67p, Ano67q, Ano67r, Ano67s, Ano94c, Ano94d, Ano94e, Ano94f, Ano94g, Ano95d, Ano95e, Ano95f, Ano95b, Ano95c, Ano96a, Ano96b, Ano96c, Ano96d, Ano96e, Ano96f, Ano97b, Ano97c, Ano97d, Ano97e, Ano98b, Ano98c, Ano98d, Ano98e, Ano98f, Ano99c, Ano99b, Ano99d, Ano99e, Ano90a, Ano90b, Ano90c, Ano90d, Ano91d, Ano1e, Ano1g, Ano1h, Ano1f, Ano64f, Ano64g, Ano64h, Ano64i, Ano64j, Ano65f, Ano65g, Ano65h].
Path [CC+88, Col62, Fra87, GLP76, GS74, HJK+01, Mat62b, Pri58c, Sve78, GCL+19, vK62]. Path [MS60b, HT69, Rai69]. Pathway [SP+06]. Pathways [RSS+15]. patient [PMS+08, Sha12]. patient-centric [Sha12]. Pattern [Bon62, Bra80, DB69, EL80, EL83, KR87, KGF77, MD65, PS80, TC84, AL76, FRPG01, GK64]. pattern-based [FRPG01]. Pattern-Matching [KR87]. patterned [Duk93, SGS+09]. patterning [MBB+01, PSP06]. Patterns [FGS75, Ham78, Sta84a, Bar82, CR15, FSG+73, Hat72, RWB+10, RC17, WLEF89].
[Pb] [BKM80a, BJMO80, HHA93, Hor98].
[Pb-alloy] [BKM80a, BJMO80].
[PC] [Shi85, CFK+91].
[PC-Based] [Shi85].
[PCI] [GCS+12, SNA02].
[PCIX] [AV04].
[PCOS] [Cal70].
[Pd] [Dem78, Kah71].
[PdO] [Kah71].
[PdO/Ag] [Kah71].
[PdO/Ag-Pd] [Kah71].
[PdSn] [OHWR88].
[Peak] [BTW62].
[Peculiar] [Mid65].
[pedestal] [Gia66, GA84, GMS].
[pedestrian] [AGZ94a, AGZ94b, AGZ94c, ADH].
[pedestrian-centered] [BMS+17].
[PEEM] [CHL].
[per] [RK15, TBH].
[Penalty] [Lin84, MHI01].
[Penalty-Function-Driven] [Lin84].
[PENGUIN] [dTGHC92].
[Penrose] [HM89].
[people] [CGM+15a, DDDKW12].
[Perception] [Ano59n, SMSC14].
[Perceptual] [San83b].
[PERC] [RAG11].
[Percus] [HBW70].
[Performance] [ABPS66, Ano06b, Arc93, BCD+17, Bar75, BS81, BGR82, DM81, BB82, BAH82, Bos97, BB94, BKW86, CDS+86, CDSW06, CDW75, CW77, Cve87a, DHSC64, DAS+94, DS70, Dur70, Esa02, FCE+15, GCPVG85, Gia66, GA84, GMS+12, HS81a, HS61, HCB92, HS82, KFB+97, Kam98, KW76, KACS95, OK82, Pat73, R79, RTM65, Sch81, SGC+87, WHC+18, AFB+01, AGZ94a, AGZ94b, AGZ94c, ADH+00a, AAB+10, AAC+06, BLM+92, BCC+12, BEM+92, BBH+95, BFG+06, BSJ+13, BDHH+09, BBS+03, Bro72, BGL+92, CPvR00, CH06, CBB+05, CRDI07, DHSC00, DDA+93, DKS+95, EHM95, EB91, EFR+05, EBD+95, EG00, Emm97, EK08, EWS+13, FKK+03, FHSD06, FNY+10, FFA+94, GZE+05, GOV71, GAOD71, GW18, GJ00, Gus03, Hut72, HS04, ITS+15, Irv91, IFB+11, JL99, JWS+09, KBB+97, KPT+02, Kmm92, KEL+00, LR97, Luc99].
[per].
[performance] [MCAW95, MIL+18, MSW+05, Mat89, Mat03, MRL+14, MPP+15, MZS+03, Ono93, PV93, RES+15, RAG11, RKW99, RHM+99, Rub90, SHWK+90, SGS+96, SBP+03, SWC+95, SPR+95, SWC+97, SV91, SLJ+15, TWX+10, TW69, Tof97, TFL+98, TKK+92, VLB+09, WCNSH94, WBS+18, WKD98, WNW+10, YSH12, ZCLS10].
[Performance-optimized] [FCE+15].
[Performances] [MW79].
[period] [TYM+14].
[Periodic] [LC80, Mil83, Mir61, Bau72, CPvR00].
[Permalloy] [Ahn66, DKAC67, GM63, KC66b].
[Permanent] [BH82, JT66, YTF+11].
[permission] [SBG+13].
[Permissive] [GW57, GW57b].
[Permissible-Make] [GW57a, GW57b].
[Permits] [Lew83].
[Permutation] [BF77, BCH84].
[Permuting] [CLW80].
[Perot] [Fan64].
[perovskite] [GSG+90].
[perovskite-type] [GSG+90].
[perovskites] [KGK+98].
[perpendicular] [Sun06].
[Persistent] [CGR88, Gar57].
[Persistent-Supercurrent] [Gar57].
[person] [CPCC18].
[person-generated] [CPCC18].
[Personal] [GBS+87, ABD+14, BC18, Shi85].
[personalized] [BEJ+14, RSS+15].
[Perspective] [Har81, AG06, ACM01, Bra69, CNG09, NHW90].
[per].
[pervasive] [JSM+18, WPL+12].
[Petabytes] [WGF+06].
[petaflops] [GBW+09, LQR04].
[petascale] [PK90].
[Petri] [PS86].
[Pg] [MH98, SW98].
[pH] [DR93, JK93].
[Pharmit] [Koe18].
[Phase] [BF63, BBG60, CJ78b, CDH64, DG84, DS70, GS70, GBC65, Hop61, Kov59, MP81, RBB+08, SJK70, Sha58a, Hun71, LG88, Nob95a, Ros00, Tis90, Woo04, YL98].
[Phase-change] [RBB+98].
[Phase-Contrast] [Kov59].
[Phase-Hologram] [SJK70].
[Phase-Reversal] [CDH64].
[Phase] [RBK+08, LGBV17].
[Phaser] [RBK+08].
[Phases] [Pan78].
[Phenomena] [BT84, KHM88, LeB62, MNP+69, RP67].
SBd64, Tro80, MNS69, SNM69].
Phenomenological [O'H78].
philanthropic [LHS+17]. philosophical [GHN04]. Philosophy [AST67a].
phonological [MC87]. Phonon
[YWWK64]. Phosphorus
[JD66, JD67, MFPJ71].
Phosphorus-Diffusion [JD66].
phosphorus-impurity [MFPJ71].
Photo [EHHP67, MC68, Gri69, MS89, OCT68].
photo-digital [Gri69, OCT68].
Photo-Optical [EHHP67].
photo-polymer [MS89].
photoablation [VDP94].
Photochemical [GFHW82, PL79, VM79].
Photochemistry [BH79].
Photoconducting [Boe69].
Photoconduction [Cas71].
photoconductive [SG71].
photoconductor [Sch71]. Photocurrents [DA77].
Photodecomposition [Her66].
photodetector [KACS95]. Photoelectric
[AC63]. Photoelectrochemical [Koh98].
Photoelectron [RF78, KWT+11, MPHC90].
Photoelectron [RF78, KWT+11, MPHC90].
Photomission
[Bru78, DV74, CBBS90, RG90].
Photographic [BT67, Fa70, ZG65].
Photographs [Har63]. Photography
[BLLS79, MG62].
Photoinduced [GDR70].
Photolithographic [Sta84a].
Photolithography [Rot74, ATW97, Lin76].
Photon [BH79, Gar64, Loy79, MNR68].
Photoproduction [Her66]. Photore sist
[DS77, Mid70b, SFD77, RKL88a].
Photoreists [AWHK97, PL79, SGL+97].
photothermal [vS98]. Photovoltages
[Swa61]. Photovoltaic [Lew78b, Mer78].
Phrase [SFT78]. Phthalocyanine
[SLP64, SL66]. Physical
[Cor82, DHK*92, MM82, PK88, Pri58c,
Swa60, AEZ84, AAM*07, BBD*02,
BAB*07, BHD*05, HHSW01, SGK04,
WKP*02, WBS*18, CP91]. physicist
[Tan96].
Physics
[CD85, Fri69, KN81, Kuh88, Bev69, CFL67,
HST06, Mol69, Tan96]. Physiome
[NNN+06]. PI [Shi85, Kau81]. Pi-Donor
[Kau81]. Pico second [CBBS90, Hei90,
MPHC90, TKV00, RHC73, WSBL90].
Picture [Sto91]. Pictures
[Kan78]. Picturing [Pic91, Woo04]. piece
[WS72]. Piecewise [RR87]. Piecewise-Circular
[RR87]. Piezo [JL64]. Piezo-Hall
[JL64]. Piezo-Resistance [JL64]. Piezoelectric
[BBT83, Vie86]. pilot [ATW97]. Pins
[HW87, PW83]. Pioneer [WM92]. pipe
[TMS98], pipedown [EV93]. pipelines
[ZS03], pipelining [KZP03], piston
[QZ92, Gre60]. pitch [KAB+05]. Pivoted
[SM63, BHHS059]. pixel [SS00]. PL8
[GHL*04]. PLA [Sch80]. Placement
[DNKN87, HY84, Twa77, HHSR96].
Placements [Don81]. Planar
[AA71, CL64, KO65a, KO66, vM66,
ABK89, BGO03, SAK70, You90].
planarization [GPL+92, WDA05]. Planck
[HH88]. Plane [BC65, Bh97b, SM63].
Planes [BBC+64]. Planet
[Pal14, CRHPP09, Jen10, MVCW10, MI10].
planned [CHMW07]. planner [SG94b].
planners [GBJ+08]. Planning
[Buc62, Tay79, ABD+14, GCFW07,
JWW+11, KRTN+12, LBO7, SSS14,
PKK07, SGS+96]. plans [HRS07]. Plant
[MW82, HMM70]. Plasma
[AS78, AHW+99, CK79, CNS+99, EM94,
Fon99, Gri99, Hes99, KOT99, Kuo99,
Luc99, MM64, OR92, RS69, BBHS2, GMP90,
Ham99, MM69, Ng99, OD+99, VDP94,]
Plasma-assisted [CNS+99, Hes99, GMP90].
Plasma-based [OR92]. Plasma-deposited
[Gri99]. Plasma-etching [AWH+99].
plasmas [ETW008]. Plasmons [Mor97].
Plastic [DH61, CF72, Pa72].
plastic-encapsulated [Pai72]. Plate
[CBC+79, Cha79, CAP91, DKN87].
plates
[CP91, CAS+91, CAP91, MKJM93, Pen91].
Platform [MBB+18, ZSY+13, BBE+13].
LRH+02, TDF+02, WKP+02. **POWER5** [AAB+05, MMS05, MMM+05, SKT+05, VLP+05, Ano05c]. **POWER6** [PC07, AAM+07, BSK+08, BAB+07, CFP+07, EWT+07, FKG+07, LSF+07, MSSF07, MBF+07, SKK+08]. **POWER7** [BAB+13, FDS+13, LBB+13, Rit13, ZTC+13, AHHN11, FWR+11, FPB+11, RAG11, SRL+11, SKS+11, WBD+11, ZFG+11]. **POWER7-IH** [RAG11]. **POWER8** [CNV+15, DFF+15, LGW+15, MPP+15, PMV15, RES+15, SLA+15, SSN+15, SVE+15, SSD+15, ZFD+15]. **POWER9** [ABB+18, CBC+18, FRS+18, JML+18, KHK+18, LVT+18, NAN+18, Pat18, SAA+18, SDS+18, SSI+18]. **PowerNP** [ABB+03]. **PowerPC** [Wal05, BBH+95, BCJ+96, BEKK00, BBGP94, HF94, JO96, KMH+98, LR97, NCB03, OW00, SLC+97, SBF+03, VMM+94]. **PowerStorm** [GH96]. **Practical** [Bog66, WMK+07, HRW69]. **practice** [KSB07, Wal86, WBT+10]. **practices** [Mal13, FP09]. **pragmatic** [WN92]. **Pre** [And73, TWM+14, BW16, CBV08]. **Pre-Emptive** [And73]. **pre-harvest** [BW16]. **Pre-release** [TWM+14]. **pre-stack** [CBV08]. **preamplifier** [KACS95]. **Precipitation** [JDS67, MPCI82]. **Precise** [Hu79, KKS+73, San83a, SLK+16, THL85]. **Precision** [RLS+70, MR72]. **precursors** [ZHP+18]. **predict** [TCP+16]. **Predicted** [MW79]. **Predicting** [Bry75, FNS+17, LRSN17, WSCK17, VMS+14]. **Prediction** [Doo83, KB74, AKB+17, BC00, EHL15, HHR99, ITS+15, RQBW08, SJZ+15, TMS+01]. **Predictive** [GCPYG85, WLH+17, AHN+03, BK74, EOH10, GSB+17, GAI+16, KB74, PCW+17, VVHL16]. **Prefix** [AS06, Ano67, Ano19c, Ano19d, Att92, BSD09, BNS15, BR09a, BR17, BFH10, Bos97, Bra05, Bra03, Buc99a, BJ06b, CK17a, CP99, C17b, CRH12, CN18, CGR05, Cor18, CS02, DFS98, DA04, DS03, DLM14, Don90, Don92, Eic18, EJ03, Far91, Fle95, FHL+14, FS05, GP06b, Gar00, Gon99, Ggg92, GP09, H106, Har01, HPW11, Han93, Han96, He01, HHR08, HT16, HF94, HRiC07, Hor93, Hor00, H096, IK00, ISV16, Jor04, KN08, Kff91, Kni08, Kog94, Kos15, Kua95, Kue90, Kue99, LCB93, Lip92a, Lun02, MVCW10, Mau97, May90, Mcg92, MW09, Mch07, Min08, Mit94, NHH91, Opr03, Pal14, PWW13, P10, PMV15, Pat18, Rao16, RM10, RS14, RR02, Rit13, Sch07, Sch04, STCR84, SEGR01, SNG+09, Soi13, SS15, Sol02, SCR01, Ten05, Tro00b, TH11, Tur02, Tur07, Vay12]. **Preface** [War93, Wes90, WR95, WCRiC10, WH94, You57, ZS96]. **prefetch** [AGZ94c, BCK13]. **Prefetching** [CP97, EPHS05]. **Prenucleation** [JC63]. **Preparation** [DO74, Moh70, SG90, S099]. **Prepared** [DH83]. **preparedness** [PKXK07, SLK+16]. **Prescribed** [CS65a, Ren67]. **prescriptive** [GAJ+16]. **Presence** [Ell58, HC78, KWB88, Rad62, KLMW16, Lom77]. **Present** [Har81, Bar62, KLRS96, SLK+97, Sor79, Sor00]. **preservation** [RCH+08, RFC+08]. **Preserving** [Ir69]. **President** [Age04, Age05, Age08, Bal05, Che06, Che08, DR08, Des02, Des04, Don00, Mey03, Nun09, Pea09, Pic18, Pri07, PS09, Pul07, San12, Viv14]. **presilicon** [KAB+12]. **Pressure** [BMC86, MNP+69, SAL63, Swd62, SR71]. **Pressurized** [BT78, BFT79]. **pretty** [Fre04]. **PREVAIL** [DEG+01]. **Preventive** [Ada84]. **Previous** [Ano57], Ano58g, An58h, An58i, An59e, Ano60f, Ano60g, Ano60h, Ano61e, Ano62d, Ano63e, Ano66g, Ano66h, Ano66i, Ano67h, Ano67i, Ano67k, Ano67l, Ano67m]. **Pricing** [Low74]. **Primary** [LMHM96]. **Primitives** [Woo87, CI+10, PAH+18].

Print-quality [Sta97]. Printed [BDWZ83, BAH82, GHKO57, Has62, Has66, LDL84, Man85, Ser82, STCR84, Wal58, Wym57, ABM88, BBMP92, Cha88, DDMS92, GA88, HM71, Pau89, Whi93, WGC93].

Printed-Circuit [BDWZ83, BAH82, Ser82, Wal58]. printed-circuit-board [ABM88]. Printer [ABB+85, AEE77, BS84a, BHR77, BCD+85, Bro78, BHW77, CD78, Car77, FBW77, FLR77, GT87, MR79, NK81, Sve78, Twa77, Zab79, WV78, WS72, ZHS90]. Printers [BS84b, CEY84, Hel79, ZL87, Sta97].

Printing [BS84a, BS78, BBT83, BD96, CS85, DLK84, EHMW81, FLST8, LMT84, MT84, MBB+01, Mil84, MT84, PC85, Pre66, Twa85, Zab77, BLDM97, BGK+82, CP91, CAS+91, CASP91, Mas97, Pen91, ZL97].

Printwheel [May85]. Priority [And73, GS75, MT77]. prismatic [MKP73]. Privacy [GDA14, KKT09, Pea09, RM09, BBC+09, CNG09, GDB6, HLZ+09, JML94, KKB+09a, KMO+14, PP09, VTC09].

privacy-aware [VTC09]. Privacy-value-control [RM09]. Private [Hop61, Yar12, BHH19]. Prizma [Eng03].

Proactive [CHH+01]. Probabilistic [Nad79, KOG13]. Probabilities [Bar80, SH57b, SH57c]. Probability [PM88]. Probe [FT77, KKK61, PSA+08, MTF+95, Poh95].

Probe-based [PSA+08]. Probing [ALH95, CBBS90, LPMGD14, RG90, WSBL90]. Problem [ADST78a, GR58, HP63, HJW84, HS81b, NSS85, Pal61, Pim76, RD12, SM78, Sch62b, Sch63, SS87b, Tid62, AAA+17, ADST78b, BH80, BK61, BGK62, DHMP94, Ger73, GS72a, Joh87, Mic72, Ray69, VJA07, WYF+03, Yan07].

Problem-Determination [HS81b]. Problem-oriented [RD12]. Problem-Solving [ADST78a, GR58, ADST78b, WYF+03].

Problems [Bil70, Cha79, HWC75, HE10, Key65, Key70, Kog74, LC80, MD65, RS59a, RS67, Tuc60a, dG58, BS71b, CP72, CHG04, Don69, Gre59, GCFW07, GS72b, Ism00, Key71, Lei61, Mas97, PZGL91, RS66].

Procedural [Gro76, Lom76]. Procedures [Ada80, BS74, HP66, HKM+86, Kin61, MP88a]. Process [Agn02, Ame80, BHV85, BJMO80, CH82, Dah67, DS65, Fan61, GS82a, GKK+80, GS82b, HCS80, KS79, KGCS85, Law02, Mar60a, Mey90, Mey00a, OHM+85, SSL73, SRH+18, Twa85, Was77, ABM88, Cal70, CPTW98, CGN72, CKE+10, DN97, HHSW01, KKM02, KRT98, Lan61, Lan00a, LV94, Mah93, SBG+71, SKC+10, Sta76, Sta00, Str70, VV78, Van97, WSE+16].

process-characterization [CPTW98]. processed [LCL+98]. Processes [Die62, FL59, Hat88, Meg62, Mid70a, NB61a, NB61b, Red57, STCR84, Wes90, AHW+99, Bea90, CNC+95, FSG+13, Hei80, LB07, LCHL95, MD12b, OS99, RWM+05, Ros00, SPP72, See93, WT91, vS98].

Processing [ABC+85, ABB+91, And65, Ber76b, BUK88, BHW77, Bur75, BDF76, CCP85, Dai77, DB76, DMP59, FLDC86, FGM+83, HF78, HAG+13, Kin61, Kle91, Ku99, MW80a, May81, Moh70, Mur57, PSH80, Shi85, Taz57, SW83, Woo87, AKB+17, ARG00, ARS+17, BK75, BBH82, CGH03, CGS61, EB99, Fon99, FNY+10, GON+06, GLM+96, Ham99, Kuo92, KOT09, Luc99, Mar98, MIL+18, MP82, MKJ93, NAB+15, PB89, RB92, SPR+95, Sto91, CMP87].
processing-in-memory [NAB+15].

**Processor** [All81, Ber85, Coo82, DR82, Fre67, GCPVG85, GS82b, LS76a, MSB+04, NHH91, PPS82, Ser82, SJS15, TS82, Tsu80, UMK+85, ABD+18, AEH+04, BGM90, BH+15, BSK+08, BCF+07, BDHH+09, BAB+13, BEKK00, BKR92, CJ83, CNS12, DTH92, ESA02, Emm97, FAD+07, FNY+10, FXB+10, FAJ+94, GGRW91, GH96, GMS+12, Gro90, Haj91, HDW+07, HF04, HSL+05, JZ91, KBG+09, LGW+15, LVT+18, LBB+13, Lip92b, LJ+07, MWS09, Mar90, MDR+07, MME+97, MZS+03, OG90, PBB07, RB90, RWW07, RG09, SKK+08, Sar91b, SCS+02, SKC09, SHL07, SSK+11, SVE+15, Sta90, SSD+15, SRH+18, SBC+12, TSC91, WMB+15, War90, WBD+11, WBB+04, ZDB+18, RSNG92]. **processor-based** [CJ83]. **processor-performance** [Emm97].

**Processors** [AK82, CW77, Tod78a, Aus90, BRMP92, BS95, BR92, BMK+05, CNV+15, CMR+05, CTS+92, CDD+92, Cov92, DGC+92, EV93, HOWP92, OW00, SLC09]. **procurement** [GSAB93]. **Produced** [Hut74]. **Product** [Cle83, KB60, SMD80, BMT+90, BKP82, EBD+95, Fii70, RAMD91].

**Product-representative** [KB06].

**Production** [DBG+84, DKRS07, DS65, GAC85, Kow59, WKK+87, BKF+16, DBG+00, LHM96, MS89]. **Productivity** [FT80, LKL+81, SMD80, LRM97].

**Products** [Ada84, Wes90, DKRS07, EGH+96, GSAB93, LZZ+16, LCH95, Man90, Pat89].

**professional** [NRA+07]. **Profile** [Gil84].

**Profiles** [JD66, KP80, FKOW16, KRC68, MFPJ71, Okt06b, Paj72, PL73]. **Profiling** [CW78]. **prognosis** [SLK+97, SSB+12].

**Program** [Bar73, Bon62, BCCS81, Chi86, DGB78, Don80, Fer75, FE75, FGS75, GHP+85, Knu90, OHM+85, Paz75, Pri07, PS09, RR83, ABL+84, BBF+04, BCGS00, CDSW06, Col69a, Hat72, He94, KN91a, KSL95, LFF90, MS96, PBB07, Sar91a, Sed67, TBH+17].

**Programmable** [Cov87, EL80, GLL80, LBH+75, Wei79, Woo75, HAMC+04, MMWL99, MZS+03, SKSP06].

**Programmed** [ET69]. **programmer** [LR97].

**Programming** [DLW86, Hei76, KGBB09, LG78, Len58, LW77, Luc81, Sam81, SH84, Tuc60b, Al89, AKE+92, Be92, BCR91, Bur72, CTF+91, CCF+10, Gsc09, dTGH92, HKLM97, JP94, Joh87, Kel73, Lee07, MAA+05, NRA+07, PLK09, el 69]. **Programs** [CD85, Dor60, Fer75, Jee58, KSW74, Kru84, NSS58, SK90, Urs75, ABF+10, Aus90, C91, SS91, Sta89a, SZ91].

**Progress** [HCT81, JS81, ARS+17, GNF06, MAG+01, Sam67].

**Progressive** [CBK+98]. **Project** [Ana80, BKN10, CIE+03, RRB+02, SPP+05, IBM13b, VRL10, WGF+06, Buc62, IBM80, NN+06]. **Projection** [DC82, DSRC98, LC82, MHH89, Mid70b, SW98, DEG+01, MAD+98, RDS+98, SST+98, SS00].

**Projections** [WM81, O'C89]. **projects** [LHS+17]. **Prolog** [Arb86, AKE+92].

**Promoting** [LH03]. **promotions** [SMSC14].

**Proof** [CIW79, Dan60, Knt90, PV93, Gi60].

**Proofreading** [TNF88]. **Propagation** [Bay69, Bei74, BT84, Car60, CS65b, GM63, JHS+81, Mu67, Sat63, WS64, DKR+90, TMW+17]. **Properties** [Ahn66, Arm65, Bhu79b, BMO80, BMUL80, BS64, CP86, Dav77, DH83, Dim70, Fhu97, FNF95, Gun66a, Gun66b, HK64, HM60, KP79, Key61a, KL80, Klu64, Log70, Lud78, MUF77, MY76a, MY68, Mi83, NBR70, OMAW60, PDLM67, RS50b, SBS68, SM77, SG77, SSTF77, Wei65, Wol70, Von70, AF68, AW98, BS72, FL89, How89, KLS+05, Kri82, Mat70, Fau89, Pri73, RDS+98, Spr71, SN98, SHCS05].

**property** [Lew78a]. **Proposed** [SB84, CJM96]. **propositional** [Fag77].

**prospects** [Agu02, NHKI03, SKB+11].
protected [Irv89]. Protecting [BBK+98].

protected [BFH+93, FNS+17, GDA14].

protective [LG88]. Protein [KWN01, EHLSW01, RQBW08, TMS+01].

proteins [FXL01]. Protocol [WZ78, Wes78, AEH+04]. proton [ZSZ96].

Prototype [MH98, FGP+85, KFB+97, MAD+98].

Provides [Ost84]. Providing [FP83].

Proving [Bir74]. provision [MTF+95].

Proximity [GSC80, Par80, PS80, BGK+82, GC93].

Proximity-Effect [PS80].

PS [KWN01, EHLSW01, RQBW08, TMS+01].

Pseudo [Ano66j, Bla65, CCM65, Meg62, VSF65].

Pseudo-Noise [Ano66j, Bla65, CCM65, VSF65].

Pseudorandom [RB90, RT99, AEG+02].

Pseudoternary [Cro70].

Pulse [Dod63, Gar64, LS64, PL83, SFH65, Sko58, GFS71, Shi73].

Pulse-Slimming [Dod63].

Pulsed [CCM65, Key70]. Pulses [Hem74].


Pure [MN67a, Sho04].

Pure-Tone [MN67a]. Purpose [Tay81, ATL+88, DAUS91, Gra69, LH84].

pursuit [LQRS04]. Pyrolytic [Kle64].

Pythagorean [Dub83, FS90, MM83].

Q [BCK13, ABB+13, BSJ+13, CCD+13, CP13, CKL+13, CHT+13, EO13, EWS+13, MP88a, MP88b, OWG+13, PMLA88, PM88, RIB+13, SCG+13, IBM13a, IBM13c].

Q-Coder [MP88a, MP88b, PM88, PMLA88].

Qbox [Gyg08]. QCDOC [BCC+05]. QCDOC [BCC+05]. QR [EG00].

Q822 [VLB+09]. QSAR [PPG+01].

quadratic [Ger73]. quadrature [MR72].

quadratures [MY65]. quadratics [OC89].

Quality [Cle83, CEY84, MJS70, MCH+82, BTWY92, CT06, CPC18, ESM16, HBC+99, OEN+16, SCH+72, Sta97].

quantification [Gil60, MWEJ05, Mon82b].

quantifying [QGT13]. Quantitative [KM74, BNN+09, MS07, PWFB91].

Quantities [El 74, Agi74]. Quantization [GS70, LTB90]. Quantum [Azh88, CCR88, FS88, Gar88, Gia66, GMW80, Heb64, HHH04, HMK01, SB04, Whe88, WS64, WA79, ALH95, BHM04, CRAG18, Gou89, Joz04, Pri66, Sho04, Smo04, VBC+08].

Quarter [HCTS81, JS81, HBP+81]. quartz [KM93, Rat68].

Quasi [BEH+89, EHK+89, SBG+71].

Quasi-elastic [BEH+89, EHK+89].

quasi-steady-state [SBG+71].

Quasidynamic [Cha62]. Quasimaximum [Sta73]. quaiperiodic [HM89]. qubits [Woo04].

Queens [SS87b]. Quenching [Boe69].

Query...
R [HRWZ87]. R-fields [HRWZ87]. Radar [van77, MMJ69]. Radially [BBT83, PH81].
Radio [CCM65, SH57a, CS03]. Radio-Interference [SH57a]. Radioactive [VGC79]. Radioisotopes [Spr61].
Radiotracer [BC60c]. RAID [HDBR08]. railroad [VJA07]. railroads [RC09].
raindrop [AKK72]. raie [YAG+77].
RAM [NHK03]. Raman [RSSS82]. RAMs [FT80]. Random [DG84, ELS83, Erd88, Her65, LH57, LST80, ND57, Pet57, SM17, WTT7, CTT91, DOn74, DMR+81, FR01, LBB+13, MBB+02, ND00, RBB+08, WLEF89, LH00, ND00].
Random-Access [LH57, ND57, Pet57, CTT91, FR01, MBB+02, ND00, ND00, LH00].
Random-Pattern [ELS83]. Random-walk [SM71]. randomization [RS94].
Randomized [KR87]. randomness [Pic91].
Range [Ku70, MPD86, GK99, Gra69, JFG03, KDG15, MY65]. ranking [GLK+12].
Ranks [FR60]. Rapid [ATW06, BMF+16, BJ67, Hu79a, KKS+73, MS67, GON+06, Gra71, MC87].
Rapidly [Jam89]. RAS [AFM+02, CAD+09, Del08, FCS+04, MAF+99].
Raster [MLGD84]. Rate [KS79, KO65b, GRH+08, Gra71, Irv91, MRG99, RHC73, SRe96, TLM83, WRG99, ZMM+96]. ratios [Dat93, MHD01]. ratio [TH88]. rational [Tu68]. Rationale [BJW72, MS05].
Ratios [Che72, Gec74, SS76]. Raw [Kin61, GAB+08]. Ray [COC61, HM82, Hua79, War93, BM93, CNH73, Col69b, HST1, KWT+11, ORT+06, RF78, Seg68, Spi93, SRe96, Tau96, WNPB91, Zie98, Arc93, GHP+93, GC93, JS00, LL93, SF93, See93, SMV90, SRO93, SS93, SA00, WSK+93, WIl93]. ray-tracing [WNPB91]. Rayleigh [Pol79]. Rays [ZS96, Zie96]. Re [MJS07, Kri82].
Re-Emission [MJ05]. re-order [Kri82]. reach [CPvR00]. Reaction [Pan78, MMV+01]. Reactions [BLR84, HBR85, Lm79, HBR86, SLZL18].
Reactive [AS78, Kuo92, JL90, RKL88].
reactivities [MMV+01]. Read [Chi90, FMP61, Has66, JT66, KJMS67, MPST66, SIE63, TK64, ILH03, TFL+98].
Read-back [Sie63]. Read-Only [Has66, TK64]. read/write [ILH03].
Readability [DRSM15]. Readback [THT75].
Reader [CK63, AAH68, Bar68, Hen68].
Reading [Ost84, Wal58].
Reading/Writing [Ost84]. Readout [ABPS06, Bro72]. reads [LPM+12]. Real [Be69, BFRT13, DR28, HLS81, Her75, Jam81, LPMG14, OOS1, PSD+17, Soh76, SBB+12, ASR07, BISP+12, CGM+15b, EGH+86, HKA+13, KZP03, KCH+09, NMH+07, ODL+09, Osh93]. Real-Time [DR28, HLS81, Her75, Jam81, OOS1, Soh76, Be69, BFRT13, LPMG14, PSD+17, SBB+12, ASR07, BISP+12, CGM+15b, EGH+86, HKA+13, KZP03, KCH+09, NMH+07, ODL+09, Osh93]. realization
[BSRM09, WMK+07]. Revenue [AYA14]. Reverberation [MN67a]. Reversal
[CDH64, DP59, Hop61, Mid62]. reverse
[PLK09]. reverse-acceleration [PLK09].
Reversibility [Ben73, Zu01]. Reversible
[Ben88, Ben00]. Review
[Bar62, BRB+01, CH84, MW67, NHK03,
OO81, PC85, RR83, SC81, Bag94, DM01,
Duk90, FL89, Lax67, Sta89b, van89].
revision [BSRW97]. Revisited
[SS88, Snu94]. Rewritable [ADD96]. Reynolds [Mic59]. rf
[DET+03, HNS+03, KM00, GMP90, KP79,
KM70, Log70, LMD70, MU77, Maz70,
Pen69, Pen79, PDLM67, SK69, SJ70].
RF-sputtered [MU77]. rf/analog
[HNS+03]. RFID
[Was77, FGMPK05]. rhodamine [HA71].
Rib [Ham78]. Rib-Supported [Ham78].
Ribbon [ABB+85, Bay78, BCD+85, CS85,
Hel79, LMS85, PC85, SD85, Twa85]. Rich
[KEJ87]. Righi [Pri58a]. Righi-Leduc
[Pri58a]. Ring [BS85, Fan61, TK64, HHA93,
OBC+90, WSK+93]. ring-disk [HHA93].
Rings [CG88, Str83]. Rio [TCP+13].
RISC [BG90, FAJ+94, Gro90, HM90,
Mar90, MHR90, OG90, RB90, War90, Aus90,
BCJ+96, BS95, CM90, CM90, CM00,
WD94]. Rise [Lin67]. Risk
[GSB93, LSS14, RM10, BKN10, BMF+16,
CKE+10, DJK14, EPP10, FM10, HS14,
HE10, KOP14, MR14, MS07, RAR+14,
SBD+10, Yaa07, vKCD+10]. Risk-based
[LS14, MS07]. risk-metric [FM10].
Risk-pooling [GSB93]. risks
[BC00, ITS+15, Jen10, SSK+16, SP14]. Ritz
[BS72]. river [EWBRO9, KCH+09]. RKKY
[Kuz70]. RKKY-Type [Kuz70]. RNA
[BD62]. Roadrunner [KBB09]. roads
[BCSE89]. Robin [Tak87, WC75]. robotics
[Kis96]. robots [Mey81]. Robust
[WLB+15, ATW+08, NCM+01]. rock
[Mon82b]. Role [Ast58, AAC+06, BJ06a,
Far98, GMX14, Tur69, Van97]. roles
[DYK10, KLRS96]. Room [BN63, JWS06].
Room-Temperature [BN63, JWS06].
rooms [Fro71]. Root
[Kog59, Mir69, Dan66, Pon17]. root-cause
Pon17]. root-locus [Dan66]. Roots
[Che72, Jam89, MM83]. Rosetta
[RQBW08]. rotated [Rat68]. Rotating
[BT78, FT77, Gre79, DR93, HHA93].
Rotating-Head [FT77]. Rotating-Head/Tape [FT77]. rotation
[Kei89]. Rotational [She59b, Les71].
Round [GH86]. Round
[Tak87, WC75, EC71]. Round-Robin
[Tak87, WC75]. route [SG94b]. router
[HGT+09, PVDF95]. Routing
[Fra83, Hai85, Lin84, HHSR96, KJS09]. Row
[Mc83]. Row-By-Row [Mc83]. Rowe
[RP66]. RP3 [SRC91, CJS91, KN91]. RSP
[MP82]. Ruby [SLP64]. Rule
[EP96, Dor62, Tib93]. Rule-Based
[EP96, Tib93]. Rules
[Pet77, LS77, MC87, MR72, vv86a]. Run
[Fra70, KL97, WS04]. Run-control
[KL97, WS04]. Run-Length-Limited
[Fra70]. Runge [War63]. running
[TWX+10]. Runtime
[CLP+13a, FDS+13, EO13, KRD+14].
S [ABC+99b, ABB+99, CP99, DSM+99,
GPE99, MAE+99, RGP+97, RKW99,
SWC+97, SG99, WMH+97, GP81, CS99,
DGL+97, ECD+99, Gre97, HBL+99, JL99,
KB+99, KL97, Mau97, RH+99, SM97,
SK99, SCC+97, SMK+99, TMB+99, Van97,
WL97, Web00, WB70, YS99, ES+95,
GLOS92]. S/390 [ABC+99b, ABB+99,
CP99, DSM+99, GPE99, MAE+99, RGP+97,
RKW99, SWC+97, SG99, WMH+97, CS99,
DGL+97, ECD+99, Gre97, HBL+99, JL99,
KB+99, KL97, Mau97, RH+99, SM97,
SK99, SCC+97, SMK+99, TMB+99, Van97,
WL97, Web00, YS99]. Safe
[COC61, Gau77b]. SAFEPRO [OHM+85]. Safety
SSM97, SCC+97, SWC+97, SG99, VLT+12, WMT+97, BIK+05, CRM02, GWB+17, Gre07, GW18, IFB+11, Kunn98, LRV+09, NCM+01, SA98, SN02, SBC+12, WHK+09, WNW+10, ABK+01, Kis03.

Server-class [VLT+12], Servers
[RP+97, AAM+07, BBK+16, BEKK00, FKK+03, KPT+02, KEL+00, MO07, NMG+07, PGS+98, ABC+99b]. Service
[Ada84, DJL+16, RBL+18, SBD+10, Tag09, ABD+16, BNN+09, BNG09, BGG62, EBH+16, HRF+17, HRS07, Irv01, JQB+09, KJS09, KL97, KSB07, LRV+09, MBLT19, MWL+14, SSS2, SIKD6, VWE02, VMS+14, BBD+17]. Servicability
[CMPR64, HCTS81, CAK+15, FCS+04]. Services
[BR17, GRB+16, Hau96, Pul07, Tag09, Tak87, WC75, AAC+05, BB09, DMC+17, Elg11, GLM+96, HSS+10, ISV16, KFI+06, KMM+16, KAA+18, LRV+09, RP4, RWB+10, ST17, TOKN18, VSS+09, VRA+09, WAB+09, Yar12, CJJ+16, ODA+08, UDP+12]. Servo
[CD78, Hoa61, Osw74, Hoa00, Ocn93]. Servo-Access
[Hoa61, Hoa00]. Set
[Bry75, CCM65, Gha75a, Ser82, VBE94, Mi72]. Sets
[Eas86, DH03]. Several
[BMS80, Cas60]. severe
[TPC+13]. sexiphenyl
[HKVG+11]. Shallow
[FPS66, PF66, TDM+87, Tite63]. Shannon
[Koc59]. Shape
[WTS+11, GSAK17]. shape-selective
[GSAP17]. shaped
[AG72]. shapers
[BH95]. shapes
[Oht95]. Shaping
[EKR87]. Shared
[Cve87a, GH70, GA84, MBJ+97, SSL73, Ano71, AUW+09, Lat73, Rei69]. Shared-cache
[MBJ+97]. Shared-Memory
[Cve87a]. Sharing
[Bar73, Chi60a, Con58, Con60, Mar59, SAB+07, Cre81, FN95, FL69, Gra71]. Shark
[Has98]. Shear
[CS65a]. Sheaths
[Pen79]. Sheet
[Fi65]. Shells
[BGT74]. shelves
[MHR+15]. Shenzhen
[CXZ+17]. Shewhart
[Yas85]. Shielded
[CPL+74]. Shielding
[Spr63, Yao71]. Shift
[BTW62, CT76, Fuj92, Gus76a, Gus76b]. Shift-Register
[CT76, Gus76a, Gus76b]. Shifts
[AL63, TY64, ZZ69]. Shock
[B56, Lan60, FSG+73, PL73]. shocks
[MM75b]. shooting
[CP72]. shop
[RP14]. Short
[DY89, GAC85, Jam89, SL67, GWR90, Shi73, SBB+12]. Short-coherence-length
[DS85]. Short-Term
[GAC85, SBB+12]. Shortcut
[HT69]. shortest
[HW72, HT69]. Shubnikov
[Bro66]. Shutter
[COC61]. Shuttle
[Sk176]. Si
[GR70, CF64, Jon65, KG80, KEJ87, KAS95, LFC95, Mey90, Mey00a, Pan78, Pes71, PY65, RF78, SFF11, Tu90, WTS+11]. Si-Fe
[Pes71]. Si-Rich
[KEJ87]. Si-SiO
[KG80]. Si/SiGe
[LFC95]. SIC
[SHTP11]. Side
[Sha58b, MY65]. Sideband
[CDH64]. SiGe
[DA+03, FMP+03, HN+03, JG+08, LFC95]. Sigma
[OB09]. Signal
[Berg5, Coo82, DR82, GCP85, HW87, JH80, PSH80, Shi85, TTS5, Tsu80]. UMK+85, Bra68, Cha88, DKR+90, Mey00b, MP82, MZS+03, PAZ72, SPR+95, VWP90]. signal-processing
[SPR+95]. Signals
[Cha67, KLS66, Mul67, VS05, Boh73, CN71, Hei90]. Signature
[HL77, Lew80, Lew83, DWW90]. significance
[TR77]. Significant
[O081]. Silicide
[KEJ87, TDM+87, Tu90]. Silicides
[MCAW95]. Silicon
[An06b, CS79, CK79, CGN72, DO74, DJ70, DA77, FT64, FFH64, GK60, GBC65, HND+06, J66, JD67, Ker64, LL83, Lch64, Lev64, LD74, Lip92a, Mar64b, Mey00b, Moh70, Pet79, Pet80, PII66, PL61, Rut64, SW98, SST+98, SCY78, SBd64, TY64, WK60, YS64, ATW+08, BBS2, CG71, DFF+15, EB99, FMS+92, G88, GOVC71, GBBM90, GLG+99, HC90, Hei90, Hes99, HST60, IFB+11, JGD+08, KMK68, KAB+05, KAD+08, KOT90, Lar80, MFJP71, MPCF82, Ngu99, OR92, OS99, PW68, PSW+07,
PM72, SAT+08, SRH+18, Tu90, WNV+02. silicon-based [Ngu99]. Silicon-carrier [ATW+08]. Silicon-Dioxide [Moh97]. silicon-dioxide-based [WNV+02]. silicon-gate [BBH82]. silicon-on-insulator [IFB+11, SRH+18]. silicid [Tu90].

Silver [JC03, MFS+11, WTS+11]. SimAPI [HKLM97]. SIMD [CBB+05, SKP+15].

Similar [Hau67]. similarity [FRPG01]. Simple [Dod63, GMT57a, GMT57b, Knt90, OG87, Emm97, Fre04, JL90]. Simp [Dan60, Tom72]. simulation [MD12b, MBB+18]. Simulate [NM65].

Simulated [CCP85, DKN87]. simulating [Oht95, OIM+13]. Simulation [ADG+92a, BBH884, BF69, CD78, DS65, EH97, GHP+85, GHK057, GC81, HS85, HW81, Hul90, IS83a, IS83b, KG855, Kra81, KP80, LL83, LB85, LS75a, LS75b, LCH74, MJ64, MME+97, Par66, SB78, Sti79, TGL+12, VSF65, AKRS04, ABM+01, BH11, BGL07, CH06, Dan60, DT08, DLJ+08, Duk93, EWBR90, ETW08, GZE+05, HMKL97, Ham99, Hei80, JZ91, KL97, KKM02, KKB+99b, KWH+12, KLE71, LS77, NDM+04, PBC+06, PZGL91, SM+04, SS82, Sta89a, SvBC+04, TMF+08, Tib93, Van97, VM999].

Simulation/evaluation [MME+97].

Simulations [Cle81, EKS+04, BS91, CA01, DKA+05, ESMH95, FRE+08, H1TR06, PSP06, ZHE+08, ZHP+18]. Simulator [BH85, ST75, BJW72, vSBB+02, LH84, SBP+03, TAE+07, CR84]. Simultaneous [Ano05c, Bre72, Sau81, ABB+15, Bra72a, LPPT86, MMM+05]. Single [BGR82, Boy60, BS64, Cam57, Dav77, Fre62, GRH+08, GMW80, Hal76, HCS80, LM85, LS64, Lik88, Mar00a, Mee67, MR999, RCB78, RWC80, Wor06, BH89, CDM98, Cla03, CH82, DTH92, HMM82, MRH89, Tan08, WGS04]. Single-Chip [BGR82, Cla03, DTH92]. Single-Crystal [Boy60, Fre62, Mee67, BH89]. Single-Cycle [RBC78]. Single-domain [Wor06]. single-event-effect [Tan08]. Single-event-upset [GRH+08]. Single-Flux-Quantum [GMW80]. single-grain [CDM89]. Single-pass [MRG99]. Single-Step [HCS80, CH82, HMM82]. Single-Stylus [LM85]. singly [Rat68]. Singular [FBHJO4, Rob67]. Sinusoidal [BFH64, CL64, DYHS78, KG80, KLB84, MJS70, MU77, OG80, RF78, SJ70, SARG80, YDHS87]. SiON [BGO03]. SIP [WNV+10]. site [RBB+02]. sites [Fre72]. situ [Ahn66, DR93, MFS+11, ODL+09, Ros90, Sek93].

Situational [BPG+16]. Six [CIE+03]. Size [FK60, Mer88, Seg62, Sni60, War63, AKKJ72, ALH95, Bou97, DDM92, FS82, Hat72, Lam77b, Pes71, Yas07]. size-biased [Yas07]. Sizes [Bry75]. Skin [BSRG17, WMMS79]. sky [SJZ+15].


Smarter [ABD+14, CNP+15, DLN14, HPW11, Pal14, RS14, WP11, BDNM14, DGH+14, GMR10, GLDS14, HMP+11, JWW+11, SFH+16, SKC+10, YMR14, ZBH+10, HEH+10, Jen10, MVCW10, MI10].

Smectic [CJS78a]. SmoLCS [AR87]. SMS [WZC+10]. SMT [Ano05c, MMM+05]. SN [SG77, HHA93, Hor98]. Sn-Pb [HHA93, Hor98]. SNA [FP83]. SNC [JSS13]. 

SuTe [CSE66, MDJ+70].
[HKM⁺86, MDJ⁺70]. Specification
[BHP83, LN79, MR87]. specifications
[MS89]. Specified [Pat70]. Specimens
[Keh65]. Speckle
[Bro62, Hua79, Jon70, MJJ69, S64, WA79, WC69]. Spectral
[BL79, HW81, Bar86, Bra72b, Tue68]. spectro
[SA00]. spectro-microscopy
[SA00]. Spectrochemical [AC64].
Spectrometer [Lev66, HIF90].
Spectrometry [SD77, Sp94].
spectromicroscopy [CH11].
spectrophotometric [Gra69].
spectroscopies [FNRF89]. Spectroscopy
[CW78, Gar86, GFHW82, KJ68, RF78,
Thv70, ARM⁺01, Hun71, JKG69, SKB⁺11,
SF93, Sek93, SN98]. Spectrum
[We16, Yet89]. speculative [OWG⁺13].
Speech [DFM⁺88, EKMW64, LJV⁺07,
Mer88, BHP17, MCA78, SP17, TOK18].
speech-based [TOK18]. Speed
[AFR62, BW73, CD78, Car60, CEY84,
Dav82, DB76, Gre79, Har63, Hop59,
KJMS67, LV67, Lew83, MM75a, MPST66,
Pef66, Wei79, Woo75, ZL87, BJM⁺06,
BCF⁺07, BGK⁺82, DMR⁺90, FXB⁺10,
FMP⁺03, HKV⁺90, HDW⁺07, Lsm00, KBO06,
Lin81, MKW⁺05, MHPHC90, Noh95b, Tho70,
Ung72, VW78, Wie90, ZG71]. Speeds
[TW74]. Spelling [FZ28].
Sphere [NM65, Sat63, Dav69]. spike [TYM⁺14].
Spin [Al100, Bro62, Haa70, Hor57, Mas62,
Sun06, Was77, BZ60b, JWS90, Kel89,
Nes98, TFL⁺98]. spin-dependent [Nes98].
Spin-disorder [Haa70]. Spin-polarized
[Al100]. spin-valve [TFL⁺98]. spinels
[Haa70]. spines [TMW⁺17]. Spinning
[CSS83]. Spintronics [WCT06, ZFE06].
Splatter [Zab77]. Splines [Ins76, Dim78].
Split [PK61]. Split-p [PK61]. Spoken
[KT66, ARS⁺17]. spread [BMP⁺16]. spring
[BW72]. spring-driven [BW72]. Springs
[Hau67]. Sputter
[CW78, MSG72, Ros99, JL90].
sputter-deposition [JL90].
Sputter-etching [MSG72]. Sputtered
[Flu67, Log70, LMD70, MJST0, SK69, Jon72,
MU77, Pen69]. Sputtering
[CGHK77, KP79, KS79, KM70, Maz70,
PDLM67, SJ70, KM00]. SQL [KBA07].
SQL-based [KBA07]. Square
[Ch72, HBC70, Jam83, MM83]. Squares
[Cio86, Goz94]. Squarylum
[Lew78b, Mer78]. Squeezable [Han86].
SQUID [KKT⁺95]. Sr
[KBS⁺99, BEH⁺89, EH⁺89]. SRAM
[Fre96, MAB⁺03, PC07]. Stability
[Blu79a, Bra64, CBH86, CT76, Gil79,
GS84, HA00, Ode87, Pis74, van88, vv86b,
Bra68, FGMPK05]. Stabilization
[KLB74]. Stable [Hut74, Gri04, LO72].
Stack [Jel69, BK75, CVB08, GKK⁺13,
JSM⁺18, RIB⁺13, Shi72]. stacked
[KBS⁺99]. stacked-capacitor [KBS⁺99].
stacking [DAW⁺08, SAT⁺08]. stacks
[GNF06, OKH⁺02, SGS⁺09]. staffing
[HRS07]. Stage
[BT67, Kar74, BBS⁺03, Sch91]. Staggered
[Bro94]. Staging [GLS74]. Stand [Don80].
Stand-Alone [Don80]. Standard
[KBK⁺97, RS85, AHM⁺07, GHL⁺04,
NFI⁺08, Cop94]. Standard-cell-based
[KBK⁺97]. standards
[HMP⁺11, RWP16, SP14, WP11].
standards-based [WP11]. Start [Mil83].
Start-Up [Mil83]. State
[Bar90, CH84, Fra70, LY83, PHCR81, SS61,
vanz3a, BD74, BG⁺92, HBW70, Hun71,
ILH03, KM79, Nif95, PL73, SBG⁺71].
State-Of-The-Art [CH84]. Stateless
[VDO14]. Statements [MR87]. States
[Ahu79, Erd88, Gar66, KJ86, Key61b, Lit62,
CSH⁺89, HJS98, RUS04, Sho04, Swi62,
WSCK17, Irv93]. Static
[Cha62, Cor84, Mid62, CTT91]. Stationary
[LS76b, Pat72, Boh73]. Statistical
[BNW99, How89, HRS07, KMO64, LS76b,
Osb93, Pri58b, TAR84, Yas87, BTW92,
Fer70, KSSC+13, Luh57. Statistics
[SR81]. Status [SP90, Bar62, SKB+11].
STB [Kle64]. Steadily [Gun66b]. Steady
[BGT74, BT78, ILH03, KM73, van73a, PL73, SBG+71]. Steady-state [ILH03]. stealthy
[SWJ+16]. Steam [DJ70, Pli66]. Steel
[Keh65, DKRS07, Yan07]. steelmaking
[LHLM96]. steepest [Lan66]. Steering
[Wal57, GKP04]. Steiner [Hal60]. STEM
[UBK+88]. Step [HCS80, LM80, War63, CH82, Gla97, HMM82, SHTP11]. Step-Size
[War63]. stepper [BDS+96]. Stepping
[Fre67, BSSZ76]. Steps
[KWB88, ABM88, GST88]. stewardship
[OB09]. STI [SNA02]. STI-to-PCI
[SNA02]. stiff [LOT2]. Stimulated [BN63, SB64, SCHL66, SL66, SLHM07, SAL63].
STM [ARQ+01, ALH95, CWC95, MPD86, RCH+86, Vie86]. STM-excited [ARM+01].
STM/STS [ALH95]. Stochastic
[AP69, Ast67b, LS76a, PS66, el 69]. stock
[Her72, NBF+16]. stop [Mer04]. stopping
[LS77]. Storage
[AKK+67, BF77, BGM+67, BM96, CT76, Cho74, Cio86, DR08, Eas86, Fa70, FB78, FC79, FW08, GLS07, GA4, GFHW82, Hoa61, JMP96, Kan74, Lom75, Lom76, Lom80, MS75, Mu74, Pat80, Pet57, Win70, van72, van73a, ABE+02, ADS72, AAB+14, ABB+12a, ABB+00b, BAB+18, BS03, BBC+08, Bro72, BKS+08, BG2+77, CPT+08, CMR+90, CAC+13, CDC96, CHJ+18, DMO3, EOH10, FGH+06, GBJ+08, GAB+08, Gri69, GJ00, HKA+13, HAY03, Hoa00, HCK+05, ILH03, JL99, JST2, KAB+12, MDINV8, MTF+95, MA96, MC87, NF1+08, ODA+08, Okt03, OCT68, PSA+08, Pat89, Pohl95, vdP72, RFCN+08, SGY+98, SLC09, SMC+14, SG49a, Sou96, Ste81, Sur15, TB00, Tue76, VDD+00, WSK+93, van73b].
Storage-Channel [Cio86]. Storage-class
[FW08, BKS+08, Sur15]. storage-hosted
[CPT+08]. Store [Ahu80, CM80, Has66, JT66, MPST66, SL76, BZ60a, MHR+15].

Store-And-Forward [SWJ67]. Stored
[EMKW64]. Stores [TK64]. Storing
[vv86a]. STORK [DTGH92]. Straight
[Tay79]. Strain [CGLL03, KS01, Seg62, Smi60, SST9, AAC+06, WGC93].
Strategic [Cur09, PKKK07, KRTN+12, RAR+14, WCH+07]. Strategies [CFL73, Her75, WNP, BB+02, TGL+12, TKG89].
Strategy [DR08, MM82, CHG04, HKR+97, MAF+99, TFL82, WAB+05]. Stream
[Bur75, HKA+13, SM17]. streaming
[WHK98, ZSY+13]. Streams
[HAG+13, S76, KC13, VMA18].
Strength [CM80, Keh65, SM77, Cop94].
Stress [CS65a, CN79, CEHL87, FMS+92, Fre62, LR65a, SM62, Tan74, BFB+05, Cha69, Fu92, HR+95, Ibe03, Yon90].
Stress-induced [FMS+92, HRS+95].
Stress-Insensitive [LR65a]. Stretch
[Bue62]. stretching [LC83]. String
[E85, G74, BW81b]. Strings
[E85, KGT88]. Strip [ALL77, LC83].
Stripes [CH76]. stripping [HHA93]. Strips
[DKAC67]. Strong [KT73, OYHSB14].
Strongly [FWW88]. strontium [Pen69].
Structural
[SWF+09, Win70, ACM+89, Cor93].
Structural-Information [Win70].
Structure [Adl70, BW81a, BM80a, BB60, CH74, DJ70, GSE83, HH6, L66, McC64, MY67a, MY68, OHSP76, SL66, SAL63, WTP64, AHT+98, BOK+02, CGH+17, CBB+04, DGL+97, EHLW01, FNRF89, GOVC71, HAA70, Kit89, PS91, RQBW08, SNA02, TMS82, YR91, ZFV+11, ZLB+72, van89].
structure-prediction [EHLW01].
Structured [BBHS84, Cow87, KBB+12, MW82, Kem73, Mc94, RK15].
Structures
[CF64, EP86, FHH64, FWW88, Ham78, Haa85, KW83, We65, BGK+82, BFH+93, C78a, CPTW98, FLP90, FHR01, G04, G03, HHB+89, HST71, KB06, Lud00, MM+01, SLR72, SHTP11, TMF+08, U+A].
GCFW07, NNGV19, SKK14, SP14.
supply-chain [DKR12], supplying [Yar12].
Support [DR82, AEP+01, ABC+99b],
AYA14, AEH+04, BS06, BCR91, CMG+15a,
CDG+10, DMG+17, DCC+17, DOJ+14,
FGK+07, GDSL14, JWW+11, KBJ+18,
KS90, KBA+97, LGW+15, LPMDG14,
ST17, SKC09, TBS09, VWE02, VMS+14.
Supported [Ham78, HKvG+11].
Supporting
[BHH19, DLW86, EEM15, Kuum98].
suppression [Bus71].
Surface
[AMGC86, AS78, ABM88, CFH64, DV64,
DHTW86, DM64, FT64, Far87, GH66,
Goo62, HBR85, KS66, Leh64, Mar64b, Mei62,
Mor79, ODG+99, TY64, Tu90, WSW83,
WS64, YS64, YA90, HBR86, LV94,
MFPJ71, OS99, SRD94, SF93, TZZ+11].
Surfaces [Bru78, Chu82, CM74, Dem78,
DJ75, DB76, FF86, GH66, HMS84, IM57,
Jon65, Lud78, Pan78, PCDW78, Pol78,
Pri60, Sch62a, Sou64, ALH95, BNT86, DF15,
EM94, EC71, GI88, Kep75, KJS+88,
MSG72, RK72, SA00, SHT11].
surgery
[TFL+96].
Surplus [El74, Agi74].
surprise
[SMSC14].
Surveillance [RMR94].
Survey
[Hei76, IM57, Met70, Rue79, WET+10].
Survival [Bar75].
Suspend [HS82].
Suspension [CHB85].
Susensions
[SH63].
Sustainable [YT16].
SW [KKS02].
Sweep
[KST58].
Sweep-Position
[KST58].
sweeps
[EKR87].
Swellling
[BP84].
Sweing
[Hea76].
Switch
[ABCR65, Con58, DWGC85, LV67, Mar59,
PRY65, Sea58, BJM+06, Dha68, DMR+81,
EB91, ENG03, GLOS92, HAC+04].
Switch-Type
[DWGC85].
Switchable
[Rab69, RHC73].
Switched
[Hop61].
Switches
[Chi60a, Con60, Kau74, Pet79].
Switching
[CP63, DC73a, DW58, DPW60,
Die62, EIC65, HP84b, Kan74, KP59, Net60,
Pea69, RTM65, Ro66, Sh59b, SLLP64,
TW74, Thr65, Cor69, DBC77, DPW00,
May60, Rey69, RR69, RW59, RHC73].
Switching/Memory
[Pea69].
switchover
[MWW+07].
SXGA
[CAW+98, SS00].
Sylog
[FGP+85].
Symbol
[Kur87].
Symbolic
[FLKA84, Sur69].
Symmetric
[Du72, Key61b, Ost84, PSS6, Bra94,
MSB+04, RSS91, Sho04].
Symmetrical
[Wal57].
Symmetrical-Transistor
[Wal57].
Symmetries
[AS87, Bra94].
Symmetry
[But88b, Pen88, Wee79, HM89].
Symposium
[An07b].
symptoms
[Pon17].
Synchronization
[ARV64, Cha67, PR71, NG17].
Synchronous
[Fra80a, BCF+07, CN71].
Synchrotron
[JS00, Arc93].
synome
[BC00].
synnergistic
[FAD+07].
synerg
y
[JWS+09].
Syntax
[Mou86, Bro85].
Syntax-Driven
[Mou86].
Synthesis
[BWMW83, BHT+05, Bud67, Chi60b, DJBT81,
DBG+84, EKMW64, HP66, HOB5b, Hud63,
Kau81, May60, Rem67, WW75, BOS+95,
Bera76a, CT06, DBG+00, DSWT1, Gus76a,
Gus76b, MSG+01, RW95, SKB+96, Wie76].
Synthesized
[Whe88].
Synthetic
[van77].
Sysplex
[DP13, DEH+12, GPE99, RKW99, SKE+18].
System
[AC+87, AST67a, AEGBP7, AS74,
AHM+07, ABG+09, BKE+02, Bar75, BJS80,
BBC+12a, BCF+07, BAV+09, BCD+85,
BGM+67, BT67, BS84b, Bro78, BDH76,
CdlS92, Cha87, COCD61, Cha74, Charityb,
CDD+09, CAC+13, CHF64, CDW75,
CLOR87, CAD+09, Com83, CI76, CD85,
CPZ63, CDH64, CW91, DFU+88, DTH92,
DBG+84, DWM77, Dav80, DR08,
DGG+92, Del08, DMP59, DSW71, EHH67,
ELZ79, ELRMT77, FLW78, FLK84, Fle58,
FLR77, FGK+07, FL67, FN71, FGM+83,
GGRW91, GLP76, GL87, GRT74, GM75a,
GMS75b, Hai85, Hai91, Hal76, HDW+07,
HY84, HTH+09, Hen68, Hoa61, Hop61,
HP84b, JWS+09, Kan74, KST58, KKB+09b,
KKB+09, L73, Leh87, LHR57, LH00, Lev64,
LS76b, LW77, Lin84, LBH+75, LN79, Lus85b,
MWS09, MCO9, MDJ+70, MPS77, MDR+07,
May85, Maz70, MP61, MW82, Mon82a].  

**System**

[NHH91, OHK+07, PH79, PL83, PP82, Pla76, PSW+07, Pri07, PS09, RH+99, RfC+07, RH75, SWF+99, Sar91b, SHR+99, SKC09, Sea57, Sha58a, Shi85, SBD+09, SY73, SV91, Sow84, SBC+12, SW67, TSNF88, Tay84, TIt61, Tod78b, TBB+09, TAR84, TSC91, TBSO9, WMK+07, WPL+80, Whe88, WHK+99, Wre83, WC75, Zab79, ZSt+07, AHK+18, APRS16, AEZ84, AYA14, AKRS04, ADG+92b, ABD+18, ADH+07, ALS81, AHH+14, BCD+17, Bar78, Bar68, BHRST2, BBD+02, BMF+16, BMPS91, BNN+09, BKM+69, BBD+98, BC18, BH80, BRKF02, BBC+08, BCC+01, Bro72, BCR91, Buc62, BMT+90, BgJ+17, CJS83, CP97, CTD+16, CMD92, Cor69, CBD+09, Cre81, DBG+00, DDB+02, DeM91, Dmg+17, DT08, DBC+05, DCC+17, DAB+97, DGL+97, DEH+12, EGH+86, FKL+08, FW08, GBC+05, GDB16, Gra69, Gra71, Grl69, Has98].  

**System**

[HZG+16, Hoo90, HDK+11, HCG+13, JSS13, JDBP10, JML+18, JCO0, JWW+11, KMC+11, KGT88, Kiss6, KAB+05, KKM02, KCH+09, Koa69, KSBO7, KHZ+08, LNT08, LSF84, LSZ+10, LMP69, MMS05, MBB+97, MSB+04, Man90, Mat89, Mey81, Mel69, MTB+90, MVP+07, NBC03, OMA+96, OCT68, PMS+08, PBC+06, PR71, RAG11, RRMD17, Rei69, RBK+08, RD12, RMM03, RIB+13, SGY+98, SMP+04, SG95, SMC+14, SKT+05, Sta75, Stu70, TW85, TMS98, TDF+02, Tlb93, Tol97, TPF+91, VAB+05, VTC09, WZC+10, WMH+97, YAH+96, YGS1, ADG+92a, ACG+86, AF+80, ABB64, ABB00a, AHJ+57, Aus90, BLM+92, BGM90, BEM+92, BMS4, BGM+67, BBMP92, BRB92, BDT+97, Cal70, CMPR64, CMR+90, CTS+92, CMD92, CMW92, CDG83, Coj92, DHH+92, DGG+92, EGS+85, FL67, Faj+94, GR92, GZM92, Gro90, GFS71, Gum83, HHM70, HM90, HOWP92].  

**System**

[KS90, KLM+91, Lip92b, Mar90, MHR90, OG90, Pad81, Pad83, Pat80, RB90, Sam64, SSW91, Sta90, War90, WD94, Wil85, WCD82, WCK+07].  

**System-level**

[RBK+08, system-on-a-chip]  

**System-wide**

[BBD+02, DBB+02, NBC03].  

**System-on-package**

[KAB+05].  

**System**

[BGM+67, FL67].  

**System/2000**

[Wil85].  

**System/3090**

[SSW91].  

**System/360**

[AST7a, AEGP67, ABB64, ABB00a, Cal70, CMPR64, Pad81, Sam64].  

**System/370**

[ACG+87, FN71, ACG+86, CDG83, Gum83, Pad83, Sta90].  

**System/390**

[DTH92, KLM+91, CMW92, GR92].  

**System/400**

[BLM+92].  

**System/6000**

[Aus90, CRM+90, FAJ+94, HM90, Mar90, MHR90, War90, WD94, BGM90, Gro90, OG90, RB90].  

**System/7**

[HHM70].  

**System/9000**

[CW91, GGRW91, Hj91, Sar91b, SV91, TSC91, ADG+92a, BBMP92, BRB92, CTS+92, Cov92, DGG+92, GZM92, HOWP92, BEM+92, CMD92, DHH+92, Lip92b].  

**Systematic**

[SLZL18, WA79].  

**Systematics**

[UC62].  

**Systemic**

[MBK+15].  

**Systems**

[Age04, Age05, AG06, Age08, Bal05, BHP83, CdLS92, CFL73, Cha75a, Ch075, CLW80, Cle81, CC76b, DFS98, DR80, Des02, Des04, DLW86, ES92, FGC92, GLOS2, Gha75b, GS74, GHKD, GA84, HW12, Hal60, HLS81, Hau67, HTH+09, HS82, Hov78, HCT81, IS83b, Jam81, KP79, KSW74, Kob70, Kuh88, LST6a, Lei02, LDT4, Nun09, OOS1, Par66, Pen88, Pet76, Pri07, RK74, Roe66, Rot66b, SH57b, SH57c, SY92, SH84, Sur15, Swa60, TW62, Tay81, ZSt+07, ABE+02, ABK89, AO97, AO01, AAB+16, Ano01c, AC84, AAB+05, AAM+07, AHHN11, BSJ+13, Bil72, BFH10, BK61, BHH03, BFG+99, BJO6a, BKP82, CSW73, CCJH81, CDC96, CDG+10, CMS85, DSS+92, Dur70, ESM16, EO70, Fer70, Fla91, FG+06, FN95, FNY+10, GZM92, GM72, dTGH92, HG14, IS83a, IMC+10].
systems
[Jec58, JL90, KBM+99, KL70b, KT70, Kob71, Koe18, KBC+03, LDJ+10, LQRS04, LJV+07, LHR+02, MDJv08, Mar12, MCH+82, MN97, Mos61, NAB+15, NANG+18, PLK09, PK88, PKB+09, PPG+01, PMW06, Poi17, PAB+05, QGT13, RQBW08, RFB+03, RH90, RW59, Sar91b, SRL+11, SAA+18, SPP72, SSMD10, SBP+03, SSN+15, SCW10, SDS+18, Ste01, SN15, SV92, TWX+10, Tue76, VAB+05, VHL16, VLB+09, Wld6, WNW+10, ZHP+18, ABD+92, CNV18].

T [BCSE89, FNRF89, FL89, HHB+89, KC89, Kat89, Kei89, KIF+89, Meh89, Mor89, VAB+05]. T1 [Irv91]. T1-rate [Irv91]. T10 [NFI+08]. Table [Ano57w, Ano57x, Ano57y, Ano57z, Ano58r, Ano58s, Ano58t, Ano58u, Ano12l, Ano12i, Ano12j, Ano12k, Ano13c, Ano13d, Ano14k, Ano14l, Ano14m, Ano14n, Ano15l, Ano15i, Ano15j, Ano15k, Ano16e, Ano16f, Ano16g, Ano16h, Ano17d, Ano17e, Ano17f, Ano18e, Ano18f, Ano18g, Ano18h, Ano19e, Ano19f, Kfn61, CGS61, Nob95b].

table-based [Nob95b]. Tables [Cle65b, MY67b, Mye72].

tabulating [KSH+08].

tactile [DWGC85].

tagging [Tar63].
tagline [RAMD19].
tailoring [Fe75, SRD94].

tails [CCF+88].
taking [HST06].
taming [ZBBB17].
tandem [BCH+16].
tantalum [SM62].
tape [BBKw86, BS70, CDS+86, DM03, FT77, Gre79, HPWW81, Kis03, LS75b, Pat85, SH57b, SH57c, Sko58, WCB+86, ABB+08, Bau72, BP88, BE03, BS03, CIE+03, EOH10, FCH70, HAY03, ILH03, ICO71, Jaq03, Led71].
tape-head [Led71].
tape-recording [ABB+08].
tapered [GZM92].
tapes [BTW62, CT66, PH74, TW74, Voi65, BD74].
targeted [PSD+17].
task [Kan74, BGH+05].
tasks [AKB+17, BHW+17, Sar91a].
taxonomy [CCF+10].

TCAD [LMW+01].

TCNP [Lew78b, Mer78, SGT78]. TCP [Bon97, NMF10].

TDI [Sch91, WYS92].

Te [Sui75].
te-substituted [Sui75].
teaching [KdAC+15].
teams [DYK10, EEM15].

Technical

[Ano57k, Ano57i, Ano57m, Ano58j, Ano58k, Ano58l, Ano59f, Ano59g, Ano59h, Ano59i, Ano60i, Ano60j, Ano60k, Ano60l, Ano61f, Ano61g, Ano61h, Ano61i, Ano62f, Ano62g, Ano63f, Ano63g, Ano63h, Ano63i, Ano66s, Ano66t, Ano66u, Ano66v, Ano66w, Ano66x, Ano67w, Ano67x, Ano67y, Ano67z, Ano67-27, Bax58, DR08, Sam81, DCC+17, GHN04, Mar12].

Technique

[BLLS79, HMW74, Han57, HWC75, MD65, Nus77, PH65, RHM63, RP66, Slk76, Wes78, van77, APOI92, EKTT90, FW67, HHA93, Hun71, KMK68, KO69a, LPT86, Sit71].

Techniques [AC64, Aic84, Ber64, Bla59, Bla79, Bon64, BBH+67, BCRW82, Cha73b, GSVE83, Ken61a, La80, Lio67, LKL+81, MG62, Ode87, Par80, Smi87, SS87b, SSTF77, Tar63, Tro00b, Bag94, GRH+08, GCFW07, He80, JS00, KBF+92, LKFI05, MTFI95, Mc69, NDMI+04, OR92, Okt69, PBCC12, ST17, Sar91b, SWC+97, SLFR72, SPP+05, TGL+12, TGF1, ZBBB17].

Technological [O081].

Technologies [Att92, BNS15, CRH12, Cor18, GS80, Gon99, MT84, NNF15, Ser82, SW83, BGLM09, BKS+08, DAC+03, HNS+03, Law02, Rit13, Tag09, MVCW10].

Technologist [Mey03].

Technology [All81, Ana80, Ano19c, Ano19d, ABB+85, BSS82, Bal05, BMC86, BPS+96, BGK+80, BHWW77, BHWZ63, CKK+88, Che06, Che08, DHSC64, DHSC00, DR08, Des04, Don00, Eic18, Elm84, EHMW81, FHVZ80, Fle95, GHLW84, HW12, Hor93, Hor00, IK00, IBD+05, KGCS85, Kos15, KT84, Kua95, LMT84, LAG+84, LC93, Lip92a, LSH79, Mat80, McG81, McG92, MTS84, Mey03, Mit94, NK81, Nun09, Pat18, PC85, PPS82, Pri07, RWL81, Sak79, STCR84, SIES10].
Tro80, Tsu80, vM66, ADG+95, ABB+00b, AFF96, ABD+92, BK76, BRB+01, BPS81, BWS+18, BE03, BCK+05, BKRF02, BR82, BGL+92, BL98, CDD82, Car81, CNG09, CIE+03, CDM92, CBC+18, CM90, CM00, CGN72, CCW+02, DWA+08, DEG+01, EK08, Eng03, FRS+18, FN71, FHSD06, FCE+15, FW08, GGRW91, GWR90, HHSR96, HR+08, How92, Isa00, IFB+11, JMM+96. technology [KBM+99, KAB+05, KYY+08, KBC+03, Ku92, Lar80, MAB+03, Mey00b, OR92, OB09, PSA+08, PMV15, PZK+03, PSW+07, PBK96, RBB+08, RB92, RGP95, SHWK+90, SAT+08, ST17, SI09, Sha02, SvNH13, SPP97, SHSY90, SHSY00, Sta02, SRH+18, SKE+18, SMH+12, The00, TB00, VRA+09, WR00, WBS+18, YT16, AFP+01, SAPT01, TFR+01. Technology-migratable [BPS+96]. teleco [CDL+14]. telecom [MDM10]. telecommunications [Mey00b, VAB+05]. teleconferencing [BB+98]. Telephone [ABCR65, BM63, Hop61]. Telephony [Dav58]. teleportation [BHM04]. teleported [Per04]. TelePOVM [BHM04]. Telescope [Hud76]. television [AFFS98, SA98]. TEM [Wee72]. Temperature [Ano89, Br60, BN63, CFH64, ESM16, GM62, GS84, GMT57a, GMT57b, Ker64, Lin67, Mee67, ODR70, Sie70, SST69, Sve62, van88, Bea90, CNC+95, Eme89, Fu92, JWSP06, Kah71, Mey90, Mey00a, Okt69, Pal72, Pet89, SHWK+90, SN02, Sch89]. Temperatures [CS85, Cre58]. template [TYS919]. tenant [KMM+16]. Tennis [BHP17]. Tensor [Ho66]. terabyte [CIE+03]. Terascale [FKL+08]. Terephthalate [Blu79a]. Term [FR60, GAC85, BBC+08, SSB+12]. Terminal [Cha75a, Sak79, BA69, Kon69]. Terminals [San83b, TL70]. termination [Lan66]. Terms [Esa62, Pl66]. terrace [SHTP11]. Terrestrial [ZS96, Zie96, Zie98]. Test [CW83, Doo83, EL80, EL83, GGKK96, OH74, Sch67, SW67, VTM+90, BKP82, CPTW98, Fu92, HBB+05, HMP90, HKR+97, KS90, KB06, LS84, MTB+90, RB90, RH90, SWF+09, Sar91b, WLEF89, Won90]. Test-Pattern [EL80]. testability [Sta90]. tester [FKP90]. Testing [BDW83, HO96, PW83, TC84, BTP+90, CAS+91, DDZ+07, FCH70, GWR90, JPTW92, MKW+05, MPH90, ORT+96, OCB+90, WVPB90, ZMM+96]. tests [Ibe03]. Text [Kin61, TSNF88, AAA+17, GH+13, Irv89]. text-oriented [GGH+13], texts [AC92]. Textual [CCFSZ12, MFL+12]. TFT [JPTW92, KSK98]. TFT/LCD [JPTW92, KSK98]. th [Kog59]. Thallium [GL62]. Their [Arm65, DG84, RS59a, Tro80, AO97, CCF+10, HK64, HA00, HBR85, HBR86, Jan89, Kun92, Lan60, Lud78, Sch96b]. Theorem [Dor60, Ode64, RS66, Shn94]. theorems [Mor73, Var19]. Theoretical [BT84, Coo62, FK62, Ken61b, Ku63, MP67, SB64, SM66, TC63, Wat60a, Wat60b, Gro59, Okt71, RR69]. Theories [Jon72, KJP11]. Theory [AR64, Ast67b, BW81a, BBS78, BLR84, Bog79, DC73a, Dou62, FP73, Gar86, Gun69, HP63, Ho73, Hor57, IM57, Jon98, KO67, KP59, Lor70, LR65b, Mag73, Nes98, NB61a, Pip79, Pri59, Red57, RK75, RVV88, SS59a, Sbo66, Tu75, Ung72, Ver88, Yas87, ZG65, Aas70, Bar62, Cha77, DCB77, EHSW01, Gil60, GLS86, HBW70, KM73, MN03, MI91, Mat03, May60, Mor73, Pae69, Pip81, Pri70, Riv87, Sch89, Str68, Wee72, WC19]. Thermal [BB82, CJT62, CN79, CS85, DS77, Jan69, Key65, Key70, Key71, LM85, LS64, Mah93, PC85, PW83, Rei66, San83a, SFD77, Str59, Tw85, WGC93, Bea90, BAV+09, BR92, BSRM09, CGL93, FGMPK05, GLCW93,
HOWP92, Ibe03, ILH03, KLM+91, KS01, LD72, PHCM05, SCI05, VDP94, You90.

Thermal-mechanical [WGC93].
thermal-to-plasma [VDP94]. Thermally
[Hem74, SGS+09, SST99].

Thermally-Activated [SST99].
Thermionic [VWJK11]. Thermodynamic
Jon60, Map62]. Thermodynamics
SI09, YHA71]. Thermoelastic [SMV90].
Thermoforming [Fie65].
Thermogravimetry [DGB78].
Thermomagnetic [Hut74].
Thermomechanical [JMBK08].

thermoplastic [ABR71]. Thermostressive
[KC66b]. Thiocarboxyamine [SCH66].

Thick [JT66, MPST66]. Thick-Film [JT66].
Thickness [CC76a, PC64, HD73, PW68].

Thin [Bag94, BBG60, BBT79, Boy60,
Cha62, CCH+96, CPTW98, DP59, DPW60,
Die62, EGS60, FK60, Gar66, GM63, HM60,
HCBA82, How92, JMM+96, JD67, KIo87,
Kue90, KG63, Ktm65, KM74, Lin67,
McG92, MMT60, Mkd62, Mkd65, Mkd66,
MW67, Mkd70b, NM65, Ove70, PGS+98,
PDLM67, RISS82, RK66, Re69, SLK+97,
Seg62, SBdf64, SSTF77, TY64, APOI92,
AR98, BFH+93, CNS+99, DPW00, DM01,
Fji92, HBC+99, HRS+95, KC98, KFYU92,
Kuo92, KOT99, LL98, LS72, MFPP71,
SHY90, SHYS00, SGS+09, TH92,
TCCH98, Tho94, TTT98, TTK+92, WL73,
WAA+98, You90, van89]. Thin-Film
[HM60, HCBM82, JMM+96, PGS+98,
SLK+97, AR98, DM01, Fji92, HRS+95,
KS98, SGS+99, Tho94, TTK+92, van89].

Thin-Film-Transistor [McG92, CPTW98,
How92, APOI92, KFYU92, Kuo92, KOT99,
LL98, TCCH98, TTT98, WAA+98].
thin-film-transistor-driven [TH92].
Thin-film-transistor/liquid
[How92, APOI92]. Thin-Layer [Kue90].
thin-line [BFH+93]. Things [JS14].
Thinking [EMM+18]. Thomas
[TFJ+96, WH94]. THOR [TWX+10].

thoughts [Pol95]. thousand [VDD+00].
thread [SKP06]. Threat
[WT+14, HJW+16]. threats [CLH+16].
Three [AW76, BJS80, BMP91, BRR79,
CWS5, CV92, FHL+82, GRG67, HF78,
Kar74, KAD+08, KW83, Sav70, TLS+06,
Wym57, vKCD+10, ABG+95, Ano62d,
Ano63e, BK76, BS91, DSW71, M89,
Nef90, Sh04, St01, Tu90]. Three-Beam
[BJS80]. three-body [BKB76].

Three-Dimensional
[AW76, BRR79, CWS5, Far83, GRG67, KW83,
Wym57, BMP91, KAD+08, TLS+06,
ABG+95, BS91, MS89, Nef90, St91, Tu90].
Three-Level [FHL+82, DSW71].
Three-loop [Cov92]. Three-Stage [Kar74].
Threshold [Las63, MG63b, WS75].
Thresholding [WR83, Bar68].
Through-silicon
[JGD+08, AT+08, SAT+08].

Through-The-Case [Keh65].
Through-The-Pins [PW83]. throughput
[DSRC98, NMMJ01, PGN88]. Thyratron
[KK59]. thyristor [JS72]. thyristors
[RR69]. Ti [HBL62]. Ti-Mo [HBL62].
tickets [AAA+17]. Tiger [Has98]. tightly
[MCMN10, PBK+09]. tile [HM89]. Time
[Bar73, BLS79, BM68, BL68a, DR82,
Esa62, GHW70, Gor65, G90, HLS81, Her75,
Jam81, Lap80, MTW83, Net60, O081, Rec69,
SSL73, SY73, Sko58, Soh76, Th65, Yet89,
AKJK72, ARS70, Ano71, Bev69, BFR73,
BISN+12, BL68b, CGM+15b, Coo90, Cre81,
DSS+92, DL02, EGH+86, FHY95, Fro71, FL69,
Gra71, HKA+13, Kan15, Kar73, KZ03,
KCH+09, LPMGD14, MDR+07, NMH+07,
ODL+09, OOL+12, Osb93, PSD+17, Rei69,
RR69, RMM03, RHC73, SMG+14, SSB+12].
time-dependent [AKJK72].
Time-Division [Th65]. Time-Domain
[Gor65]. time-of-day [DSS+92].
Time-optimal [BM68]. Time-Resolved
[BLS79]. time-series [BFR73, OOL+12].
Time-Shared
[GHW70, SSL73, Ano71, Rei69].

**Time-Sharing**
Bar73, Cre81, FN95, FL69, Gra71]. **timed**
[HBL+99, HBL+02]. **TIMEDIA** [Wil97].

**TIMEDIA/GENDRAN** [Wil97].

timers [Mat98]. **Times**
[Cha75a, FS88, Her65, Str81, BGK62, SS82].

**Timing**
[HSC82, TAR84, BS95, BHD+05, MTB+90].
**Tin** [KDBT60, KT84, SM62]. **TiO**
[KBS+99, CKG+99]. **Tips**
[Fin86, Dus71, VDD+00]. **Tires** [SKK14].
tissue [PSP06], tissue-patterning [PSP06].

**Titanate** [Cam57, DH57, Pen69]. **Titanium**
[CKG+99, TMD+87]. **T1** [BPL+89].

**Ti-Ca-Ba-Cu-O** [BPL+89]. **TOBEY**
[Bla94]. **Today** [KGCSS5]. **toggle** [Wor06].

**Token** [BS85, Str83, OCB+90].

**Token-Access** [Str83]. **Token-Passing**
[BS85]. **token-ring** [OCB+90]. **Tolerance**
[PL83, CTS+92, NBF+16, Sch96a, SG99,
Sta89b, Sta98c, TSC91], tolerances [SJ89].

tolerancing [JS89, SJ89]. **Tolerant**
[Aic84, Com83, BKRF02, Cov92, CR84].

**Tomographic** [PL81]. **Tone**
[MN67a, HHSW01]. **Tool** [Elm84, ABL+84,
ACM01, Bal91, BDS+97, GHP+93, Jee58,
Osb93, PS91, SCL+97, SPS+06, TXW+10].

**toolkit** [KKL+14, MD12b]. **Tools**
[KGCSS5, IBM13c, BH11, BDHH+09,
DBB+02, MSW+05, Moi91, Tan08]. **Top**
[Tod7b8, Man90, SON+91]. **TOP-1**
[S0N+91]. **top-down** [Man90]. **Topic**
[Ano93h]. **Topical** [MT84]. **topography**
[HS71, Seg68]. **Topological**
[Gun69, NS92, VLKW14, Aas70, RW59].
topologies [ST89]. **Topology**
[Kuh60, Dic91, MWL+14]. **Torque** [Abb66].

**Torsional** [Pet80, Sat63]. **torus**
[ABC+05, Adl87]. **TOSCA** [BBG+14].
total [Rab69]. **Touchless** [SKI81].

**Toxicity** [RL70]. **Trace**
[Hei94, BGW91, SLI+97, BCCK92].

**Trace-directed** [Hei94]. **trace-driven**
[BGW91]. **traceability** [LZ+16]. **Traces**
[FR60, APRS16, HHR99]. **Tracing**
[BDHH+09, WNB91]. **Track**
[Ho61a, KM82, Ho60]. **Track-Density**
[Ho61a, Ho60]. **tracking**
[RSS+15, RMR94]. **Tradeoff** [BDMW81].

**traditional** [HG14, SNP06]. **Traffic**
[Cha67, HF91, Kar74, BSY+15, OM+13].

**training** [CGM+15a]. **Trajectories**
[BJ67, Lev66, Tay79, CPvR00]. **Transaction**
[Woo87, OYHSB14]. **Transaction**
[LGW+15, OWG+13]. **Transactions**
[AGH+16]. **transceivers** [TJHK03].

**transcription** [HK206]. **Transducer**
[Abb66, BCRT74, Bra75, TT75]. **Transfer**
[CH74, CS85, FB78, Gom86, Gra80, Had63,
Kau81, Lik88, PC85, Rem67, Roe66, Sch62a,
SS78, Sea57, Twa85, Bou97, DH69, DG93,
HCL72, IMC+10, Led71, MKJ93, PMS+08,
RK72, Sun06, Var89]. **Transform**
[AC86, Bla79, Dan66, Her71, Kri82, Mas97,
Bra94, Kri82]. **Transformation**
[BNS15, FL76, NNF15, SR63, CRH12,
CDS+19, HMP+11, KRT+12, OB09,
Sha12, UDP+12, Vay12, WBT+10, San12].

**Transformations**
[DJB71, DDDK12, Ros00, Sar97].

**Transformer** [TK64]. **Transforming**
[GAB+08, SHM+12, WAB+09]. **Transforms**
[AS87, Coo82, Nus76b, Nus77, Lev75,
Nus76a, NQ78]. **Transient** [AGAP63, BH82,
Gru79, HS61, vS57, BGL66, SG71].

**Transients** [Loy79]. **Transistor**
[CW85, Cre58, Dun57b, FFH64, Ken61a,
KO69b, KO70, KGCS85, LV67, MM75a,
McG92, Rut57, Str59, Wal57, vS57, BGL66,
CPTW98, DMR+81, FAFL91, Fuj92,
GAOD71, HRG80, HST1, KNY3, KFUY92,
Kuo92, KOT99, LL98, SLYRT2, TSH92,
TCCH98, TTI98, Woa02, WWA+98, ZCK71].

**transistor/liquid** [APO192, How92].

**Transistors** [DS70, Gai77b, Gai77a, Gil79,
KMO64, Mag73, Rei66, RS59b, Wol70,
CDS73, CDS00, Dha68, DM01, GOVC71,
Transition-metal-oxide-based [KMB+08].

Transition [Cle81, DH57, LeB62, SM62, Whi70, MP81, VDP94]. Translating [MS89].

translational [EK87]. Translator [DO86].

transliteration [AFCB94]. Transmission [Ber64, CDH64, Cro70, God74, Gru79, GC81, GM63, HO75b, Hop59, Hop61, Kob70, Mul67, RP70, Roe66, SFH65, WF83, WC75, Bra68, CN71, DKR+90, DSRC98, HRW69, Hip70, Ho73, HS71, Irv91, Lan60, Mel60b, MHK+11, PR71, RWP16, Ros00, Tho70, TTI98, Wee72].

Transmission-Line [Ber64, Wee72].

Transmitter [Sha58b]. Transmitters [CN74].

Transparent [DO74, PC64]. transparently [Irv01].

transportation [BSY+15, BCE+07].

Transverse [Mag73]. Transversely [Che64, CS65a].

Trap [Boe69].

Trap-Controlled [Boe69]. Trapped [Cro57, DYHS78, RR+01]. Trapped-Flux [Cro57]. trapping [Shi73]. Traps [VDHS78, RG90].

trauma [FSG+73].

Travel [DWGC85]. Traveling [HJW84, Ray69].

traveling-saleman [Ray69]. Travelling [Gun66b].

Traversed [BL86a, BL86b].

Treasury [HS14]. treating [Lei61].

Treatment [Jon60, MD12a, OMA+96].

Tree [HY84, CHG04, LT95].

Trees [Luk74, Rio60, Rot60a, Ris73, RW59, Rot60b].

Treffitz [BS72].

Trends [GGK+13, LAG+84]. Tri [Tri58].

Tri-Glycine [Tri58]. triangulation [Kep75].

Triazine [GA88]. trigonometric [Fil70].

Trihydride [Pan78]. Trimmed [Far87]. Trimmed-Surface [Far87].

Triplate [HRW69].

Trip [Hal60, LV62, CJM96].

Trip-Modular [LV62]. triplet [Hun71].

troubleshooting [MW+17]. True [LBB+13, AKE+92].

TrucNorth [MYKK+17].

Trusted [BCG+09].

TTL [DTTK95]. TTL-compatible [DTTK95].

Tube [LD74]. Tubes [HMR82].

tunable [HDK+11].

Tungstate [MVB62].

Tuning [Log70, SHCS05, AAB+10].

Tunnel [AFR62, BMK80a, BMWL80, CSE66, CPZ63, DPR86, Esa62, Ge68, IBC64, Lik88, Mar60b, MT64, NM62, Rut64, Ano66c, BC00, GP06a, JWS06, Mos61].

Tunnel-Diode [AFR62].

Tunnel-Diode-Coupled [MT64].

Tunnel-Distance [DPR86]. Tunneling [AMGC86, APS86, Ano86c, BMC86, BL86a, But88a, CW86, CP86, DHTW86, EBD+86, FF86, Fin86, FS88, Gar86, GH66, Gom86, Han86, HBR85, KJ86, KWB88, Lan86, Poh86, PR59b, SB86, SSN+62, THv70, WKB+86, vV86b, BNT86, BR00, BL86b, D"ur94, HBR86, LBT99, Sto91].

tunnelling [ZG71].

Tunnels [Mar79].

Turán [MR72].

turbulence [BS91, FKL+08].

turnaround [ATW06].

Tutorial [Str83].

tutoring [SN15].

TV [CIJ+10].

Twisted [HL83, LJ92].

Twisted-Pair [HL83].

Twitter [SPB+17, VMB18].

Two [Ano66h, BBH+67, BH79, Cal81, CA84, FL59, GON+06, Gar64, Gau77a, GHP+85, Hau67, HA58, KO69b, KO70, Le 62, LC80, Loy79, OHM+85, Pat89, RS67, Rut57, She59a, Sta67, TSC91, WGR99, Zve65, Ano66g, Ano66h, Ano66h, Ano67], Ano67k, Ano67l, Ano67m, Boh73, BS91, Fra89, Gla97, Her72, KMH8, LKY80, LGBV17, Nef90, RS66, SAV90, Sta73, Van97].

Two-Collector [Rut57].

two-cycle [Van97].

Two-Degree-of-Freedom [Hau67].

Two-Dimensional
[Gau77a, GHP+85, KO69b, KO70, LC80, OHM+85, Zwe65, BS91, Her72, KM68].

Two-level [GON+06, Pat89].

Two-Parameter [FL59, Sta73]. Two-pass [WRG99]. two-phased [LGBV17].

Two-Photon [BH79, Gar64, Loy79].


Type [CEHL78, CW91, DWGC85, FP69, GGRW91, Haj91, KO69b, Kuz70, NHH91, PL79, Sar91b, SV91, TSC91, CTS+92, CH82, FA70, GSG+90, HMM82, MN67b, MKW+12, Vur70, WS72].

type-piece [WS72]. typed [Be92]. Types [Cas60]. Typewriter [ABB+85, BR81, May85].

Typing [MKW+12].

U [KMC+11]. U-Compare [KMC+11].


ultra-high-frequency [RH90].

Ultra-high-speed [ZG71]. Ultrasonic [Li88]. Ultrasonic

[Mor62, PL81, CMR72, Dus71, Far82]. Ultrathin [Buc99a, Luc99, RF78, ABC+99a, GLG+99, LBT99, MFS+11]. Unbounded

[Low74]. unbuffered [HF91]. uncertainty

[KKL+14, WAC+16]. Uncovering

[CL+16, HvK+09]. under-resourced

[GH8+17]. Underdamped

[RV88].

underdetermined [PPG+01].

Understanding

[Emm97, HCG+13, LHS+17, LL98, YBF+14, FSG+73, KAF+16, Kit89, PSD+17].

Underwater [Bei74, HKA+13].

Undetected [HDBR08, SH57b, SH57c].

undirected [Art69]. unfolding [ZEH+08].

Uniaxial [KG63, Kum65].

Unification

[BKU88, Be92].

Unified

[CAE+76, FG12, KKL+14, YSH12, CBD+09, MSV14, Nob95b, MBA+12].

Uniform [CT76, Gru79, Par60, SHTP11].

Uninterpreted [CA84].

Uninterruptible

[Ste01].

Unique

[Kum92].

uniqueness

[Bil72].

Unit

[FB78, GS82b, OG87, Ser82, WRLA57, AEGP67, BAJH94, CBB+05, EV93, GWS+04, HFIH94, HM90, JO96, MHR90, SSM97, SK99, Tho70].

United

[Ir93].

Units

[Tom67, AD572, HLS+05, SG94a].

universal

[Bla84a, Bla84b].

universes

[GRS13].

University

[Wie58, RCH+86].

UNIX

[KPT+02].

Unstable

[BFT79].

unstructured

[AA+17].

unsupervised

[BSRG17].

UP-US

[Kuz70].

UPC

[Bra80].

update

[CNS+12].

upgrade

[MV+07, PVAK02].

upon

[HP01].

upset

[GRH+08].

upsets

[HRC+08].

Urban

[BH11, BM5+17].

URL

[VNT16].

usable

[BBK+16].

usage

[CHM+16].

Use

[Bla63, DW58, DB82, FL69, Hor62, Kon69, LV62, Mas97, Oht95, SSL73, Spr61, Swa57, WN99, BO69, BDHH+09, CWC95, FKK+03, MBB+13, MOG+19, MS05, Oka69, SPP72, Sha12, CAS91].

Used

[BBT83, DWW90, ESA02, Gor63, HHSW01, HHA93, ILH03, KLS+05, RWM+05, Vie86].

useful

[PK88].

usefulness

[KLH16].

User

[CN18, Elm84, LG78, LA80, ASR07, CJK+13, KBJ+18, LKY80, Poo17].

User-Computer

[LG78, LA80].

User-generated

[CN18, KBJ+18].

User-Reconfigurable

[Elm84].

user-reported

[Po17].

users

[AKR10, HHC+18, KUM+98].

Using

[AC64, AAF+09, Bar80, BBHS84, BHP17, Ber64, BD83, BCH84, CD78, DG84, FF73,
V [CFG64, Fuj92, Gun64, HBB99, KSF90].

V256 [JZ91, SWB91]. Vacuum
[Ahn66, Cas60, CP86, Ham78, O'H78, AF68, Mey00a]. Vacuum-Deposited
[Ahn66, O'H78, AF68]. vacuum/chemical
[Mey90, Mey00a]. Validation
[ST75, WZ78, Wes78, CBD99, DSW71, SBP03, IBM13c, ZHP18]. Valley [Adl64].

Value [Lom80, Pin76, RS07, BS13, CT27, Don69, HS11, Mat03, RM09, RS66, RMM03, WCK07, UDP12]. Value-Oriented
[Lom80]. valued [Di 88, GA68]. Values
[Lom76, OD17]. Valve
[SW98, SST98, SSO0, TFL98]. valves
[CUI98, RDD98]. VAMFO [PW8]. Vapor
[AO60, BC60b, BC60a, BC60c, GBC65, GM60, IM60, KEJ87, LD74, Mar60a, Mar60b, OMAW60, Bea90, CNC95, CNS99, GMP90, Mey90, Mey00a, Ngu99, Tis90, YAJ90]. Vapor-Grown [AO60, BC60b, BC60a, BC60c, IM60, OMAW60].

Vapor-Phase [GBC65, Tis90]. vapour
[SR71]. variability [BFG97]. Variable
[AO60, FL68, NS77, SCW64, BG62, Gsu97, MR99, OCR97, OW8, WR99].

variable-bit-rate [MR99, WR99].

variable-reluctance [OCR97]. Variables
[BJMO80, LA73]. Variance [Hei98].

Variation [AW62, BBT60, BFB78, Lan88, Lan57, Lan96, Lan00b, WN92].

Variational [Hob98, Variation]
[ST85, Twa77]. Various [FL58, LL83].

Vatican [MBC97, vault [SHL97]. VCL [VRA97].

VCS6Ls [KCS97]. VDL
[Luc81]. Vector [ACG86, MN86, OG87, SV91, ACG87, Die91, Gsc16, RSS91, SD99, Tol97, AC86, GR86, RV89].

vector-scalar [Gsc16]. Vectorgrams
[Pic87]. Vectorization [LKU95, JNP09, vectorized [WNBP91]. vectorizing [SK86].

Vectors [OG87, CW89]. vehicle [DXZ13].

vehicles [KMO97, MM97]. Velocities
[Mid66]. Velocity
[Adl64, Gun69, PW67, Aas70]. Venice
[Gam72, SCR67]. VEPC [GCPG95].

Verification [CLOR97, CM98, DB69, HL77, Lew80, Lew83, MM82, Mos82a, WAB97, BGW97, BS95, GCS05, GB05, HAMC04, KKS02, KKM02, KWH94, KGB93, KSL95, LRH90, RT99, SFB97, SHR90, SSL91, SLA95, SAA98, Sou96, TAE98, TFL82, Van97, VMG99, VLP95, Wil97, WMH97].

verifying [SNA02]. Verity [KSL95].

Versatile [DHSC64, DHSC00, FCG92].

Version [N90, CMR99, Kru84]. versus
[GH14, Mat03, RS94, RC17, Swa60].

Vertical [Ost98]. Vertically [OKH98].

Very [KJMS67, Mer88, Kum98, Pat73].

Very-High-Speed [KJMS67].

Very-Large-Size-Dictionary [Mer88].
Vestigial [CDH64]. Vestigial-Sideband [CDH64]. VHF [CCM65]. VI [CFG64]. via [BMF16, CJH15, CGLL93, GLCW93, GJ00, KMH82, MBT19, Nus76a, PSD+17, WNPB91]. Vias [LHW81, ATW+08, JGD+08, SAT+08]. Vibrating [BP75, Haut67, Rat68]. vibration [AL76]. Vice [Don00, Pic18, San12, Age04, Age05, Age08, Bal05, Che06, Che08, DR08, Des02, Des04, Mey03, Num09, Pea09, Pri07, PS09, Pul07, Viv14]. Vicinity [FK62, Ku63, RE71]. Victim [FLMK06]. Victor [SWB+91, JZ91]. Video [Bar68, BYY98, Kum98, GYK99, MRG99, SA98, SCC+15, WLKS98]. Video-server [Kum98, SA98]. View [AMG+87, Coh87, CRDI07, LR97, MBK+15, Riv87]. Virtual [Bar75, CFL73, Dub72, Gh75b, Gum83, LQRS04, AAM+07, BCG+09, Hat72, JWZ+09, KKM02, SMGD10, Tuc76, VDO14, JS89]. Virtual-Memory [Bar75]. Virtualization [DeM91, OOL+12, PMW06, WNPB01, Bal91, BBPS91, BMPS91, Daus91, DRSM15, EWB09, KN91a, KN91b, Moe91, PB89, PWF91, Sto91, TG91, YBF+14]. virtualizations [EM15]. Visualizing [SZ91, WTB91, YR91]. visually [AKR10]. Viterbi [Nob95a]. VLIW [MME+97]. VLSI [AEZ84, ATL+88, BFH+93, CT82, CB85, Dan81, DeM91, ESH95, Elm84, Fkop90, FHL+82, GRS87, GT80, GPL+92, HW87, LKL+81, MCAW95, ML82, MM82, MTW83, RBB+02, RH90, Sar91b, SG95, Sec95, SP90, SMD80, SCM+82, Sta89b, Sta89c, Sta90, SGC+87, TFL82, Tro80, VTMB+90]. VM [Bar78, Cre81]. VM/370 [Bar78, Cre81]. VMX [EWT+07]. Vocabulary [DFM+88]. vocational [CGM+15a]. Vocoder [Rot66b]. Voice [GCPVG85, KLS66, Cor69, Nob95b]. voice-band [Nob95b]. Voice-Excited [GCPVG85]. voiding [HRS+95]. VoIP [ZCLS10]. Vol [MH98, SW98]. volcanic [PB89]. Vol [Ano93c]. volt [BBH+95, SW98]. Volume [Ano92a, Ano92h, Ano94a, Ano94b, Ano94t, Ano94u, Ano95a, Ano95l, Ano97j, Ano98a, Ano98i, Ano99a, Ano99i, Ano02a, Ano02b, Ano03a, Ano03b, Ano05a, Ano05d, Ano06a, Ano06d, Ano07a, Ano07b, Ano08a, Ano08c, KN91b, SAT+08, Ano97a, Ano00a, Ano00j, Ano01a, Ano01o]. voluntary [LRNS17]. Voronoi [MS87, SN87]. vs [DG93]. vulnerabilities [GDB16]. W [FvGM90, Sta75, Win78]. Wafer [KYY+08, Sta85b, GBB+05b]. Wafer-level [KYY+08]. Wafers [PH79, Sta87, Seg68]. walk [LT95, SM71]. Wall [DKAC67, Mid66, MW67, PW67, Slo66]. Walls [Fre79, MTT00]. Walsh [Hor76]. Wang [Ber76a, Wic76]. WARM [BR82]. Warning [Tod78b]. washout [AKK72]. Waste [VGC79, Fre72]. Water [LD74, BBMP92, BRB92, BR09b, DGG+92, ESM16, SPP72]. water-cooled [BBMP92, BRB92, DGG+92]. water-soluble [SPP72]. Watson [TFJ+96, WH94, ESI+12, Fer12, LPM+12, Lew12, MIL+18, MBB12, TGL+12, VPV+19]. Wave [Bay69, BT84, CS65b, GS82a, GM63, Mir60, WS64, HM89, Mir61, Tur69]. Waveform [JZ91]. Waveform-relaxation [JZ91]. Waveforms [Gaz78]. waveform [LHJ69]. Wavefunctions [MY67b]. waveguide [BG003]. Wavelength [HHM66, PSH80, RKF+97]. Waves
References


REFERENCES


**Andrews:1968:IOP**


**Ahmed:2014:ASA**


**Armstrong:2007:IPP**


**Aas:1970:CTT**


**Arnold:2014:WOO**


**Amdahl:1964:AIS**

Abbott:1966:DMA


Applegate:1985:IRR


Ammann:1991:PPC


Averill:1999:CIM


Amdahl:2000:AIS


Ashley:2000:HDS

[ABB00b] J. Ashley, M.-P Bernal, G. W. Burr, H. Coufal, H. Guenther, J. A. Hoffnagle, C. M. Jefferson, B. Marcus, R. M. Macfar-

**Allen:2003:IPN**


**Argumedo:2008:STR**


**Amann:2012:IZS**


**Andres:2012:IZE**


**Alam:2013:EES**


[Axnix:2015:IZF]


[Abbott:1999:ASS]


[Abadeer:1999:KMU]

Adiga:2005:BGT


Arnold:2012:ICC


Abbott:1965:DAT


Aulet:1992:IES


Albrecht:2014:SFL


Arnold:2016:BIC


Arimilli:2018:IPP


[ABG+95]

Adlung:2002:FIE


[ABG+02]

Agarwal:2010:DDP


[ABF+10]

Aharony:1989:MFM

Alberga:1984:PDT


Auerbach:1988:SAC


Ayton:2001:IMD


Anacker:1966:DPS


Anderson:1971:MED


Ames:1963:APE


Aaslund:1964:ESD


Ariat:1984:IEA


Agarwal:1986:FTC


Antonacci:1992:CDM


Abedini:2015:GFM


Arnold:2015:NGH


Allen:1980:ECS

Almasi:2016:TBH


Agarwal:1986:NSV


Agarwal:1987:CNS


Agarwal:1987:CNS


Agarwal:1987:CNS


Agarwal:1987:CNS


Agarwal:1987:CNS


Axe:1989:NSM


Andreoni:2001:DBM


Adams:1980:PSF


Adams:1984:OPS

[Ada84] Edward N. Adams. Optimizing preventive service of soft-


REFERENCES

Allen:2000:CCD


Ames:2000:REA


Arnold:2007:CSE


Adler:1964:VSM


Adler:1970:BSM


Adler:1987:TD


Ahearn:1972:DII

Antonacci:1978:APQ


Antonacci:1978:APS


Ashley:1977:DCI


Agarwal:2002:FPN


Anderson:1967:ISMb


Axnix:2004:ZNP


Alvarodiaz:1984:ISV


Abali:2001:MET


Axelrod:1962:SNH


Alsop:1972:FDF


Agerwala:2006:SRC


Agerwala:2004:MVP


Agerwala:2005:MVP

REFERENCES


Agerwala:2008:MVP


Arnold:2016:MME


Agizy:1974:EOS


Agarwal:2006:AGA


Atkinson:1985:CDM


Agnello:2002:PRC


Agrafiotis:2001:MOC

D. K. Agrafiotis. Multiobjective optimization of combinatorial libraries. *IBM Journal of
Agarwal:1994:EFP


Agarwal:1994:HMA


Agarwal:1994:IPL


Ahearn:1979:NAH


Arnold:1991:NIC


Azagury:2014:GBI

[AHH+14] A. C. Azagury, R. Haas, D. Hildebrand, S. W. Hunter, T. Neville, S. Oehme, and A. Shaikh. GPFS-based implementation of a hyperconverged system for software de-

**Arroyo:2011:IPS**


**Astrahan:1957:LDD**


**Acun:2018:SMD**


**Ahn:1966:SMM**


**Apte:2003:DIA**


**Axnix:2007:OSD**


**Acun:2018:SMD**


**Ahn:1966:SMM**


**Apte:2003:DIA**

REFERENCES

[107]


REFERENCES

Asakawa:1992:ZTT

Abbas:1967:DCC

Abraham:1972:MTR

Adler:2003:MH

Agarwal:2010:AIW

Anderson:2004:CSS

Andrews:1976:SPI
[AL76] I. M. Andrews and J. A. Leendertz. Speckle pattern inter-

**Alfonseca:1989:FSN**


**Avouris:1995:PET**


**Auslander:1981:EMO**


**Ames:1980:OMP**

REFERENCES

Anderson:1987:BAI


Abraham:1986:SMS


Alt:1998:IED


Anacker:1980:JCT


Anderson:1960:GGA


Andrews:1965:CDP


Anderson:1973:APP


Anderson:2010:FOI

REFERENCES

Angelopoulos:2001:CPM

Anonymous:1957:Ab

Anonymous:1957:Ac

Anonymous:1957:Ad

Anonymous:1957:Aa

Anonymous:1957:Ag

Anonymous:1957:Ah
Anonymous:1957:AI


Anonymous:1957:CPI


Anonymous:1957:ITPa


Anonymous:1957:ITPb


Anonymous:1957:ITPc


Anonymous:1957:ITPd


Anonymous:1957:Pb


Anonymous:1957:Pc

Anonymous:1957:RIPA


Anonymous:1957:RPI


Anonymous:1957:RIPb


Anonymous:1957:RIPc


Anonymous:1957:TCa


Anonymous:1957:TCb


Anonymous:1957:TCc

Anonymous:1957:TCd [Ano57z]

Anonymous:1958:Ad [Ano58d]

Anonymous:1958:BP [Ano58e]

Anonymous:1958:CCS [Ano58f]

Anonymous:1958:CPFa [Ano58g]
REFERENCES

DEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).
URL http://ieeexplore.ieee.org/stamp/stamp.jsp?
  tp=&arnumber=5392678.

Anonymous:1958:CPFb

URL http://ieeexplore.ieee.org/stamp/stamp.jsp?
  tp=&arnumber=5392633.

Anonymous:1958:CPI

URL http://ieeexplore.ieee.org/stamp/stamp.jsp?
  tp=&arnumber=5392663.

Anonymous:1958:ITPa

URL http://ieeexplore.ieee.org/stamp/stamp.jsp?
  tp=&arnumber=5392660.

Anonymous:1958:ITPb

URL http://ieeexplore.ieee.org/stamp/stamp.jsp?
  tp=&arnumber=5392675.

Anonymous:1958:ITPc

URL http://ieeexplore.ieee.org/stamp/stamp.jsp?
  tp=&arnumber=5392630.

Anonymous:1958:ITPd

URL http://ieeexplore.ieee.org/stamp/stamp.jsp?
  tp=&arnumber=5392649.

Anonymous:1958:RIPa

URL http://ieeexplore.ieee.org/stamp/stamp.jsp?
  tp=&arnumber=5392661.
Anonymous:1958:RIPb


Anonymous:1958:RIPc


Anonymous:1958:RIPd


Anonymous:1958:TCa


Anonymous:1958:TCb


Anonymous:1958:TCc


Anonymous:1958:TCd


Anonymous:1959:Aa

Anonymous:1959:Ab


Anonymous:1959:Ac


Anonymous:1959:Ad


Anonymous:1959:CPF


Anonymous:1959:ITPa


Anonymous:1959:ITPb


Anonymous:1959:ITPc


Anonymous:1959:ITPd

REFERENCES

Anonymous:1959:RIPa

Anonymous:1959:SNA

Anonymous:1960:Aa

Anonymous:1960:Ac

Anonymous:1960:Ab

Anonymous:1960:Ad
REFERENCES


[Anonymous:1960:Ad]

[Anonymous:1960:Ac]

[Anonymous:1960:CPFa]

[Anonymous:1960:CPFb]

[Anonymous:1960:CPFc]

Anonymous:1960:CPT

Anonymous:1960:ITPa

Anonymous:1960:ITPb
REFERENCES


|------------------|---------------------------------------------------------------------------------------------------------------|
REFERENCES


Anonymous:1962:ITPa


Anonymous:1962:ITPb


Anonymous:1962:ITPc


Anonymous:1962:RIPa


Anonymous:1962:RIPb


Anonymous:1962:RIPc


Anonymous:1963:Aa


Anonymous:1963:Ab

REFERENCES

Anonymous:1963:Ac [Ano63c]

Anonymous:1963:Ad [Ano63d]

Anonymous:1963:CPT [Ano63e]

Anonymous:1963:ITPa [Ano63f]

Anonymous:1963:ITPb [Ano63g]

Anonymous:1963:ITPc [Ano63h]

Anonymous:1963:ITPd [Ano63i]
REFERENCES

Anonymous:1963:RIPa


Anonymous:1963:RIPb


Anonymous:1963:RIPc


Anonymous:1963:RIPd


Anonymous:1964:Aa


Anonymous:1964:Ab


Anonymous:1964:Ac


Anonymous:1964:Ad


Anonymous:1964:Ae

Anonymous:1964:RIPa


Anonymous:1964:RIPb


Anonymous:1964:RIPc


Anonymous:1964:RIPd


Anonymous:1964:RIPe


Anonymous:1964:RPIa


Anonymous:1964:RPIb


Anonymous:1964:RPIc


Anonymous:1964:RPId


Anonymous:1965:Af

REFERENCES

Anonymous:1965:Ag


Anonymous:1965:Ah


Anonymous:1965:Ai


Anonymous:1965:Aj


Anonymous:1965:RIPf


Anonymous:1965:RIPg


Anonymous:1965:RIPh


Anonymous:1965:RIPi


Anonymous:1965:RIPj


Anonymous:1965:RPIe

Anonymous:1965:RPIf


Anonymous:1965:RPIg


Anonymous:1965:RPIh


Anonymous:1966:Aa


Anonymous:1966:Ab


Anonymous:1966:Ac


Anonymous:1966:Ad


Anonymous:1966:Ae


Anonymous:1966:Af

[Ano66f] Anonymous. Authors. *IBM Journal of Research and Devel-
REFERENCES


Anonymous:1966:RIPa


Anonymous:1966:RIPb


Anonymous:1966:RIPC


Anonymous:1966:RIPd


Anonymous:1966:RIPe


Anonymous:1966:RIPf


Anonymous:1966:TPIa


Anonymous:1966:TPIb

REFERENCES

Anonymous:1966:TPIc


Anonymous:1966:TPId


Anonymous:1966:TPIe


Anonymous:1967:Aa


Anonymous:1967:Ab


Anonymous:1967:Ac

Anonymous:1967:Ad


Anonymous:1967:Ae


Anonymous:1967:Af


Anonymous:1967:APD


Anonymous:1967:CPIa


Anonymous:1967:CPIb


Anonymous:1967:CPTa


Anonymous:1967:CPTb

REFERENCES

[Anonymous:1967:CPTc]

[Anonymous:1967:CPTd]

[Anonymous:1967:PRIa]

[Anonymous:1967:PRIb]

[Anonymous:1967:PRIc]

[Anonymous:1967:PRIe]

[Anonymous:1967:PRIf]
Anonymous: 1967: PCP


Anonymous: 1967: SSD


Anonymous: 1967: TPIa


Anonymous: 1967: TPIb


Anonymous: 1967: TPIc

Anonymous:1967:TPId


Anonymous:1967:TPIf


Anonymous:1970:CHC


Anonymous:1970:SMS


Anonymous:1971:ARG


Anonymous:1986:RIP


Anonymous:1986:RPI


Anonymous:1986:STM


Anonymous:1989:IEW

REFERENCES

CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).


REFERENCES

Anonymous:1992:RPId

Anonymous:1992:SIP

Anonymous:1993:A

Anonymous:1993:AI

Anonymous:1993:CII

Anonymous:1993:RIP

Anonymous:1993:RPI

Anonymous:1993:SC

Anonymous:1993:SI
[Ano93g] Anonymous. Subject index. *IBM Journal of Re-
REFERENCEs

Anonymous: 1993: TI

Anonymous: 1994: AIVa

Anonymous: 1994: PRIa

Anonymous: 1994: PRIb

Anonymous: 1994: PRIc

Anonymous: 1994: PRId

Anonymous: 1994: PRIf
[Ano94g] Anonymous. Patents recently issued to IBM inventors. IBM
REFERENCES


Anonymous:1994:RIPb


Anonymous:1994:RIPc


Anonymous:1994:RIPa


Anonymous:1994:RPId

REFERENCES

Anonymous:1994:RPb

Anonymous:1994:RPc


Anonymous:1994:SIVa

Anonymous:1994:SIVb

Anonymous:1995:AIV
REFERENCES


**Anonymous:1995:Pa**

[Ano95b]

**Anonymous:1995:PB**

[Ano95c]

**Anonymous:1995:PRIa**

[Ano95d]

**Anonymous:1995:PRIb**

[Ano95e]

**Anonymous:1995:PRIc**

[Ano95f]

**Anonymous:1995:RPIa**

[Ano95g]

**Anonymous:1995:RPIb**

[Ano95h]
Anonymous:1995:RPia


Anonymous:1995:RPId


Anonymous:1995:RPIe


Anonymous:1995:SIV


Anonymous:1996:Pa


Anonymous:1996:Pb


Anonymous:1996:Pc


Anonymous:1996:Pd


Anonymous:1996:Pe

Anonymous:1996:Pf

Anonymous:1996:RPIa

Anonymous:1996:RPIb

Anonymous:1996:RPIc

Anonymous:1996:RPId

Anonymous:1996:RPIe

Anonymous:1997:AIV

Anonymous:1997:Pa

Anonymous:1997:Pb
Anonymous:1997:Pc


Anonymous:1997:Pd


Anonymous:1997:RPIa


Anonymous:1997:RPIb


Anonymous:1997:RPIc


Anonymous:1997:RPId


Anonymous:1997:SIV


Anonymous:1998:AIV

Anonymous:1998:Pa


Anonymous:1998:RPIa


Anonymous:1998:PC


Anonymous:1998:RPIc


Anonymous:1998:RPIb


Anonymous:1998:RPI


Anonymous:1998:RD

Anonymous:1998:RPId

Anonymous:1998:RPJe

Anonymous:1998:SIV

Anonymous:1999:AIV

Anonymous:1999:Pa

Anonymous:1999:PP

Anonymous:1999:Pb

Anonymous:1999:Pc
Anonymous:1999:RPIa


Anonymous:1999:RPIb


Anonymous:1999:RPIc


Anonymous:1999:SIV


Anonymous:2000:AIV


Anonymous:2000:Pa


Anonymous:2000:Pb


Anonymous:2000:Pc

REFERENCES


Anonymous:2001:PPP

Anonymous:2001:Pa

Anonymous:2001:Pb

Anonymous:2001:Pe

Anonymous:2001:Pc

Anonymous:2001:RPIa

Anonymous:2001:RPIb
Anonymous:2001:RPIe

Anonymous:2001:RPIc

Anonymous:2001:RPId

Anonymous:2001:RP

Anonymous:2001:SIV

Anonymous:2002:AIV

Anonymous:2002:SIV

Anonymous:2003:AIV
Anonymous:2003:SIV


Anonymous:2005:AIV


Anonymous:2005:EN


Anonymous:2005:ECS


Anonymous:2005:SIV


Anonymous:2006:AIV


Anonymous:2006:ESC


Anonymous:2006:EDM

[Ano06c] Anonymous. Erratum: Development of the magnetic
REFERENCES


Anonymous:2006:SIV


Anonymous:2007:AIV


Anonymous:2007:SIV


Anonymous:2008:AIV


Anonymous:2008:E


Anonymous:2008:SIV


Anonymous:2011:FC


Anonymous:2012:Cc


Anonymous:2012:Ca


Anonymous:2012:Cb


Anonymous:2012:Cc


Anonymous:2012:FCa


Anonymous:2012:FCb


Anonymous:2012:TCa


Anonymous:2012:TCb
REFERENCES

Anonymous:2012:TCc

Anonymous:2012:TC

Anonymous:2013:C

Anonymous:2013:FC

Anonymous:2013:TCa

Anonymous:2013:TCb

Anonymous:2014:BICa

Anonymous:2014:BICb

Anonymous:2014:Ca

Anonymous:2014:Cb
Anonymous:2015:TC


Anonymous:2016:Ca


Anonymous:2016:Cb


Anonymous:2016:Cc


Anonymous:2016:Fc


Anonymous:2016:Ta


Anonymous:2016:Tb


Anonymous:2016:TC


Anonymous:2016:Td


Anonymous:2017:Fc

REFERENCES

Anonymous:2017:FCb


Anonymous:2017:FCc


Anonymous:2018:FCa


Anonymous:2018:FCb


Anonymous:2018:FCc


Anonymous:2018:FCd


Anonymous:2017:TCa


Anonymous:2018:TCa


Anonymous:2017:TCb


Anonymous:2017:TCc

Anonymous:2018:TCb

Anonymous:2018:TCc

Anonymous:2018:TCd

Anonymous:2019:FCa

Anonymous:2019:FCb

Anonymous:2019:PAC

Anonymous:2019:PBT

Anderson:1960:VGV
REFERENCES


[Alfonseca:1997:SRF]


[Alfonseca:2001:DFD]


[Andres:1962:MES]


[Abraham:1969:SMM]


[Anastassiou:1982:DHI]


[Alt:1992:GAT]


[Aharoni:2016:IMA]

REFERENCES


Aguilar:1986:STM


Astesiano:1987:DSC


Andricacos:1998:FDE


Arbab:1986:CCA


Archie:1993:PIS


Alexander:2000:PIP


Arinal:1969:MBU

REFERENCES

Armstrong:1965:FHT


Alvarado:2001:SEE


Audhkhasi:2017:RPD


Anello:1964:NDM


Anderson:1974:ISI


Ahearn:1978:ERG


Auslander:1987:FTR

REFERENCES

Altman:2006:P


Agrawal:2019:WDC


Anderson:2007:IAR


Astrom:1967:CCP


Argyle:1976:BLM

REFERENCES


REFERENCES


Andry:2008:FCR


Andricacos:1998:DCE


Auslander:1990:MPL


Appavoo:2009:KEC


Arnold:2004:IPN


Alers:1962:VEM

G. A. Alers and D. L. Waldorf. Variation of the elastic
REFERENCES


Appel:1976:DTD


Abdou:1982:ALI


Allenspach:1998:OMP


Allen:1997:PNL


Amemiya:2014:AER


Azbel:1988:BEM


Brock:1962:DOD

REFERENCES


REFERENCES


REFERENCES

Bard:1978:AMV


Bard:1980:ESP


Barnes:1982:ASP


Barry:1983:FDL


Barbosa:1986:MSW


Batson:2000:ARA


Baumeister:1963:NCF


Baumann:1972:VBC


Baumann:1984:FFE

REFERENCES

Bieswanger:2009:PTM


Baxendale:1958:MMI


Baynham:1969:WPN


Bayer:1978:MWR


Beckerman:1960:IEE


Blodgett:1982:TCM


Breiter:2009:LCC

REFERENCES


[BBB+05]


[BBC+64]


[BBC+08]


[BBC+09]


[BBC+12a]
REFERENCES


REFERENCES


REFERENCES


[Brennemann:1967:TIT]


[Bashe:1981:AIE]


[Bergendahl:1982:OPP]


[Barzilai:1984:UHS]


[Boudreau:1994:PCR]

REFERENCES


REFERENCES

[176] MJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).


REFERENCES


Baker:1960:IVG


Baker:1960:IAV


Baker:1960:RSI


Barrekette:1965:PBG


Bell:2000:FLM


Bocu:2018:HEB

Brock:2001:EBC


Boyle:2005:OQQ


Baier:2012:SFP


Beaty:2016:MSA


Balagurusamy:2019:CA

Bunce:1992:DTM


Bohnhoff:1985:SCR


Bakis:2017:PNL


Barahona:2007:IAT


Berger:2007:HSS


Berger:2009:SCI

REFERENCES


[Buturla:1981:FAS]


[Buturla:2000:FEA]


[Bishop:1996:PAB]


[Bossen:1984:FAE]


[Berg:2016:CLN]


[Blackshear:2005:EBP]


[Benson:1989:DSB] Richard C. Benson, Chisin Chi-


This paper offers a significantly faster algorithm than that of [SW90], together with a correctness proof and an implementation in Scheme. See also [Cli90, ABC+99b, ??].


**Brusic:1978:AAG**


**Bao:2014:PMU**


**Berndlmaier:1981:DRC**


**Barth:2002:EDD**


**Budd:1997:DAN**


**Baldwin:1983:CCO**

REFERENCES


C. H. Bennett. Logical reversibility of computation. *IBM
REFERENCES


Bennett:1988:NHR


Bennett:2000:NHR


Bertin:1964:TLR


Bernstein:1976:CSS


Bernstein:1976:DIP


Beraud:1985:SPC


Bevington:1969:RRN

REFERENCES


REFERENCES


REFERENCES


Bhattacharyya:1980:CDT


Bohlen:1982:EPP


Brayton:1966:NAT


Brown:1992:ASA


Better:2007:AAI


Black:2009:ATG

REFERENCES


REFERENCES

DEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).


REFERENCES


Bechade:1995:DDL  

Besserud:2011:UDU  

Bright:2005:BGC  

Bradley:2003:WBP  

Becker:2015:EPI  

Benhamouda:2019:SPD  

Brunner:1959:GFL  
R. K. Brunner, J. M. Harker, K. E. Haughton, and A. G. Os-
REFERENCES


**Bieswanger:2002:HCF**


**Bieswanger:2004:TGQ**


**Beichter:1983:SLS**


**Baughman:2017:ULM**


**Beach:1977:MSI**


**Beaty:1972:ICS**

REFERENCES


Borucki:1985:FSF


Bhattacharjee:2017:DLD


Benner:2005:EOI


Billingsley:1970:EHS


Billingsley:1972:EUS

D. S. Billingsley. Existence and uniqueness of the solution to Holland’s equations for a class
REFERENCES


**Birman:1974:PCM**


**Birney:2001:HMM**


**Burbeck:2006:ARC**


**Burbeck:2006:P**


**Belluomini:2006:LSD**

REFERENCES


REFERENCES

JAE. ISSN 0018-8646 (print), 2151-8556 (electronic).


[BKP82] R. M. Burgess, K. B. Koen, and E. M. Pignetti, Jr. Semiconductor final test logistics
REFERENCES


REFERENCES

Buttiker:1986:TTT


Burroughs:1998:DCT


Borrel:2015:VID


Blasbalg:1965:CPN


Blahut:1979:TTE


Blahut:1984:URD

REFERENCES

Blahut:1984:URS

Black:1988:ECD

Blainey:1994:IST

Biebuyck:1997:LBL

Bethune:1979:TIS

Bahr:1992:ADP

Burns:1963:DEG
Bindra:1984:MEMa


Blumentritt:1979:APTS


Blumentritt:1979:LFI


Berger:1963:NME


BM68


Barone:1984:CCC


Blauner:1993:XMR


Burton:1996:SCC

REFERENCES


Bula:1990:GDD


Bargon:1983:ESE


Broom:1980:FPN


Burns:1963:RTS


Bhamidipaty:2009:IIQ


Basson:2015:PTE


Bhide:2009:CFS

Berghaus:1986:STM


Bog:1979:BLJ


Bohlin:1970:MLM


Bohlin:1973:CTM


Bonner:1962:APR

REFERENCES


[BP74] L. A. Belady and F. P. Palermo. On-line measurement of paging behavior by the multivalued


REFERENCES

almaden.ibm.com/journal/rd40-4.html#two.

Beattie:1981:ITI [BR81] H. S. Beattie and R. A. Rahenkamp. IBM typewriter in-
DEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

relation Redundancy Match (WARM) technology. *IBM Journal of Research and Develop-
ment*, 26(6):681–686, November 1982. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-
8556 (electronic).

research.ibm.com/journal/rd/441/binnig.pdf. Special issue: reprints on Evolution of


services. *IBM Journal of Research and Development*, 61(1): 0:1–0:4, ???. 2017. CO-
DEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

8556 (electronic).
REFERENCES


**Bradshaw:2003:P**


**Bradicich:2005:P**


**Brofman:1992:ECT**


**Bates:2001:RTN**


**Black:2007:PSA**


**Brennemann:1960:VCC**

REFERENCES

Brent:1972:DBM

Brown:1962:SAS

Brown:1966:NMH

Brown:1972:RPA

Brooms:1978:DFS

Brown:1980:OJP

Brown:1985:DAS

Broers:1988:RLE
REFERENCES


**Bayer:1971:WEC**


**Bayer:1971:WEC**


**Bayer:1978:IJP**


**Berry:1977:SDS**


**Berry:1977:SDS**


**Bosarge:1971:SNR**


**Bosarge:1972:NPM**


**Barrera:1984:EPC**


**Barrera:1984:EPC**

REFERENCES

Bates:1985:JAT

Briscolini:1991:ACS

Bose:1995:ATV

Bradshaw:2003:FYI

Bacon:2006:BFL

Banavar:2009:P

Baker:2001:AMF
N. A. Baker, D. Sept, M. J. Holst, and J. A. McCammon. The adaptive multilevel finite element solution of the Poisson–Boltzmann equation on massively parallel computers. *IBM Journal of Research and Devel-


REFERENCES


Booth:1992:SAQ  

Buchholz:1962:PCS  

Buchanan:1999:PPU  

Buchanan:1999:SGD  

Budurka:1967:SCO  

Burge:1972:CPC  

Burge:1975:SPF  

Bush:1971:CFE  
D. R. Bush. The commoncore filter as an electromagnetic interference-suppression
REFERENCES

Buttiker:1988:CST


Buttiker:1988:SEC


Blakeslee:1978:GPG


Bishop:1972:DCS


Bagus:1981:EST


Bongiovanni:1981:NRC


Burger:1983:MCM


Bergholz:2016:TAB

Brauchle:1982:NCM


Berry:2018:IZD


Bolle:1998:VQR


Baugh:2006:DLQ


Bernevig:2006:TDS


Baset:2014:TAO


Casanova:1984:MUS

[CA84] Marco A. Casanova and Jose E. Amaral de Sa. Mapping uninterpreted schemes into entity-relationship diagrams: Two ap-


Carroll:1960:HSC

Caswell:1960:ARG

Carmichael:1977:CPH

Carter:1981:STS

Carney:2010:IME

Cohen:1991:MNPb
REFERENCES


REFERENCES

Clauberg:1990:PPP


Coteus:2005:PBG


Chun:2018:IPP


Chance:1979:CHL


Crawford:2009:SAS


Cooper:2005:RDH

REFERENCES

research.ibm.com/journal/
rd/491/cooper.pdf.

[CBK+98] V. Castelli, L. D. Bergman,
I. Kontoyiannis, C.-S. Li, J. T.
Robinson, and J. J. Turek. Pro-
gressive search and retrieval in
large image archives. IBM
Journal of Research and De-
CODEN IBMJAE. ISSN
0018-8646 (print), 2151-8556
almaden.ibm.com/journal/
rd/422/castelli.html.

[CBV08] H. Calandra, F. Bothorel, and
P. Vezolle. A massively parallel
implementation of the common
azimuth pre-stack depth migra-
tion. IBM Journal of Research
and Development, 52(1/2):83–
??, January/March 2008. CO-
DEN IBMJAE. ISSN 0018-
8646 (print), 2151-8556 (elec-
research.ibm.com/journal/
rd/521/calandra.html.

[CC76b] Arthur E. Cooper and Wen T.
Chow. Development of on-
board space computer systems.
IBM Journal of Research and De-
velopment, 20(1):5–19, Jan-
uary 1976. CODEN IBMJAE.
ISSN 0018-8646 (print), 2151-
8556 (electronic).

[CCBLM12] J. Chu-Carroll, E. W. Brown,
A. Lally, and J. W. Mur-
dock. Identifying implicit rela-
tionships. IBM Journal of Re-
search and Development, 56(3–
4):12:1–12:10, 2012. CO-
DEN IBMJAE. ISSN 0018-8646
(print), 2151-8556 (electronic).

[CCC79] Dudley A. Chance, Jean-
Claude A. Chastang, V. S.
Crawford, Richard E. Horstmann,
and R. O. Lussow. HeNe par-
allel plate laser development.
IBM Journal of Research and De-
velopment, 23(2):108–118,
March 1979. CODEN IBMJAE.
ISSN 0018-8646 (print), 2151-
8556 (electronic).

[CCCLM15] E. W. Chencinski, C. Colonna,
D. Craddock, J. R. Flanagan,
J. M. Hoke, M. Klein, G. Kuch,
P. Sciuto, R. M. Szczepczenski,
and H. M. Yudenfriend. Ad-
vances in the IBM z13 I/O func-
tion and capability. IBM Jour-
nal of Research and Develop-
ment, 59(4–5):5:1–5:10, July/

Effects of abrupt changes in film
thickness on magnetic bubble
forces. IBM Journal of Re-
search and Development, 20(2):
132–137, March 1976. CO-
DEN IBMJAE. ISSN 0018-8646
(print), 2151-8556 (electronic).

[CCC79] Dudley A. Chance, Jean-
Claude A. Chastang, V. S.
Crawford, Richard E. Horstmann,
and R. O. Lussow. HeNe par-
allel plate laser development.
IBM Journal of Research and De-
velopment, 23(2):108–118,
March 1979. CODEN IBMJAE.
ISSN 0018-8646 (print), 2151-
8556 (electronic).

[Chencinski:2015:AIZ] E. W. Chencinski, C. Colonna,
D. Craddock, J. R. Flanagan,
J. M. Hoke, M. Klein, G. Kuch,
P. Sciuto, R. M. Szczepczenski,
and H. M. Yudenfriend. Ad-
vances in the IBM z13 I/O func-
tion and capability. IBM Jour-
nal of Research and Develop-
ment, 59(4–5):5:1–5:10, July/
Cole:1957:LPZ


Chencinski:2009:ISZ


Carnes:2013:SLI


Cascaval:2010:TAA


Chu-Carroll:2012:FNH

Chu-Carroll:2012:TRA


Chaudhari:1973:AMF


Case:1981:DAI


Chiu:1996:TFI


Chen:1981:HDB


Corr:1965:PPN


Carnevali:1985:IPS


Curran:2002:IEZ

REFERENCES


[CD+10]
Chenthamarakshan:2010:EDS

Critchlow:1964:VSP

Chaudhari:1989:CCM

Chiu:1992:IES

Critchlow:1973:DCN
Cannon:1986:DPM


Critchlow:2000:DCC


Curbera:2019:BEH


Cascaval:2006:PEM


Chiu:1975:PAM


Chow:1978:CSW


Calhoun:1976:CAB

B. A. Calhoun, J. S. Eggenberger, L. L. Rosier, and L. F.
REFERENCES


-Crawford:1984:PQM


-Chen:1972:MFA


-Cohen:1964:CBB


-Cheroff:1964:ELT


-Chang:2009:GIH


-Canetti:1991:PCP


-Courant:1967:PDE

[CFL67] R. Courant, K. Friedrichs, and H. Lewy. On the partial dif-
DEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

**Chamberlin:1973:APA**

D. D. Chamberlin, S. H. Fuller, and L. Y. Liu. Analysis of page allocation strategies for multi-
tronic).

**Curran:2007:PCH**

B. Curran, E. Fluhr, J. Pare-
des, L. Sigal, J. Friedrich, Y.-H. Chan, and C. Hwang. Power-constrained high-frequency cir-
8646 (print), 2151-8556 (electronic).

**Casey:1982:ASD**

R. G. Casey, T. D. Fried-
man, and K. Y. Wong. Au-
657–666, November 1982. CO-
DEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

**Chiu:1971:DMA**

DEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

**Case:1964:SLD**

P. W. Case, H. H. Graff, L. E. Griffith, A. R. LeClercq, W. B. Murley, and T. M. Spence. Solid logic design automa-
tion. *IBM Journal of Research and Development*, 8 (2):127–??, April 1964. CODEN IBMJAE. ISSN 0018-

**Cecchi:2017:CSL**

G. A. Cecchi, V. Gurev, S. J. Heisig, R. Norel, I. Rish, and S. R. Schrecke. Com-
puting the structure of language for neuropsychiatric eval-
DEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).
Cuomo:1977:OEN


Choi:1993:SBC


Cardonha:2015:TPS


Cavalin:2015:SAR


Collins:1972:SPT


Cheung:1988:IRM


Chiu:2005:P

Craft:1961:TLM


Chang:1974:SDF


Chaudhari:1976:SSB


Collins:1982:PCC


Chen:1984:ECS


Carter:2006:MWD


Chang:1962:ASQ


Chang:1967:STS

[Cha67] A. Chang. Synchronization


**Chaudhari:1969:MSR**


**Chang:1973:CIA**


**Chastang:1973:OTM**


**Chang:1974:BQM**


**Chang:1975:TRT**


**Chang:1975:SSQ**


**Chaitin:1977:AIT**


**Chastang:1979:PPP**


**Chamberlin:1987:DCI**

Donald D. Chamberlin. Document convergence in an inter-

**References**

**Chang:1988:EDS**


**Chan:1985:SCS**


**Casanova:1992:ESR**


**Chen:1964:DDT**


**Chen:1972:ACE**


**Chen:2006:MVP**


**Chen:2008:MVP**

Crivelli:2004:NLB


Castelli:2001:PMS


Chien:1960:CON


Chien:1960:SCN


Ching:1986:PAC


Craddock:2018:ZLL


Christensen:2011:PSE

S. L. Christensen, B. M. Haines, U. D. Lanke, M. F. Paige,


REFERENCES


REFERENCES

Chu:1978:LSS


Cox:1978:PEL


Casey:1983:POS


Ching:1991:EAP


Curran:2015:IZM


Chang:2015:FDI


Cash:2016:MII


Cook:2013:MIA

Coppersmith:1996:PMT


Chang:1962:TCD


Chrook:1963:ESH


Coburn:1979:SCA


Campbell:2017:PDL


Cecchi:2017:PCN


Cope:2010:IRB


Clementi:1965:AIC


Clementi:1965:TAF

Enrico Clementi. Tables of atomic functions. *IBM Journal of Research and Development*, 9(Supplement):(various), 1965. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). This volume is a supplement to [Cle65a].

Clementi:1981:CSC


Cleverley:1983:PQL


Clementi:2000:ICA


Coden:2016:UIT


Clinger:1990:HRF

REFERENCES

ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic). URL http://www.acm.org:80/pubs/citations/proceedings/pldi/93542/p92-clinger/. See also output algorithms in [Knu90, SW90, BD96, ABC+99b, ?].

Ciskowski:1987:SIE


Castro:2013:RAM


Castro:2013:EBY


Coppersmith:1979:EPN


Chung:1980:CPR


Comstock:1974:FFR


Cocke:1980:SRD

Cocke:1990:ERT


Colyer:1998:IJA


Cocke:2000:MGR


Chen:1987:PPA


Carter:1964:DSF


Crispi:1972:MMD


Chang:1990:ESF


Cote:1995:LTC  


Commer:2008:MPE  


Chapin:2009:TPW  

REFERENCES


REFERENCES

Colas:1969:OPI


Cole:1969:CXL


Comfort:1983:FSA


Constantine:1958:LSM


Constantine:1960:NDL


Cooley:1982:RTD


Cook:1984:CSG


Colas:1969:OPI


Comfort:1983:FSA


Constantine:1958:LSM


Constantine:1960:NDL


Cooley:1982:RTD


Cook:1984:CSG


Colas:1969:OPI


Comfort:1983:FSA


Constantine:1958:LSM


Constantine:1960:NDL


Cooley:1982:RTD


Cook:1984:CSG


Colas:1969:OPI


Comfort:1983:FSA


Constantine:1958:LSM


Constantine:1960:NDL


Cooley:1982:RTD


Cook:1984:CSG

REFERENCES


**Cooper:1990:DFA**


**Cooper:2018:CNC**


**Coppersmith:1987:C**


**Coppersmith:1994:DES**


**Copel:2000:MEI**


**Coppersmith:2000:C**


**Corby:1969:IVD**


**Correale:1982:PDC**

Anthony Correale. Physical design of a custom 16-bit microprocessor. *IBM Journal of
Correale:1984:DCS


Corbin:1993:FEA


Cornell:2018:PCT


Canosa:1972:PSM


Curry:1977:SMI

REFERENCES

ISSN 0018-8646 (print), 2151-8556 (electronic).


REFERENCES


REFERENCES


REFERENCES

Chen-Ritzo:2009:IP


Corbin:2002:LGA


Crow:1979:GLR


Chen:1965:CCT


Cooley:1965:SEW

REFERENCES


[CSH+89] Reuben T. Collins, Zack Schlesinger, Frederic H. Holtz-


[CT06] A. C. Cheng and G. S. Tyson. High-quality ISA syn-


B. W. Curran and M. H. Walz. IBM Enterprise System/9000 Type 9121 system

[Chambliss:1995:USS]


[Chen:2017:EIA]


[DiMaria:1977:CSS]


[DiVincenzo:2004:P]


[Doany:1997:LFS]


[Dunn:2003:FRC]

REFERENCES


REFERENCES


Deutsch:1994:PLE


Datta:1993:ADM


Datta:1998:AEM


Datta:1998:MEM


Doi:1991:DVU


David:1958:AAR


Dave:1969:SER

REFERENCES


REFERENCES


REFERENCES


[DC82]

Dura-Bernal:2017:EAO


[DBNK+17]

Delobel:1973:DDB


[DC73a]

Dodge:1973:APM


[DCC+17]

Dhoolia:2017:CSB


[DC73b]

Dewey:1982:AGL


[DCB77]

Delobel:1977:CDD


[DCB77]
Deutsch:1993:ECP


Danko:2012:HPE


DiZenzo:1992:ORH


Duale:2007:DFP


Deckert:1990:CDS


Dhaliwal:2001:PEP

Dorsch:2012:IPS


Dell:2008:SRI


Demuth:1978:MGA


DeMaris:1991:VVD


DeMaris:1991:VVD


Desens:2002:MVP


Desens:2004:MVP

REFERENCES


REFERENCES

**Dave:1984:RRN**


**DG93**


**DDB78**


**DGG+92**


**DGH+14**


**Doettling:1997:PES**

REFERENCES

Drougard:1957:EEF


Dew-Hughes:1961:DPF


Davis:1969:MOT


Donath:1973:LBP


Diaz:1983:MPE


Dietrich:2003:GAP


Dhaka:1968:DFS


REFERENCES

DiZenzo:1988:MLA


Dickinson:1960:CRS


DiZenzo:1988:MLA


Dickinson:1991:IAT


Dietrich:1962:PSP


Dickinson:1960:CRS


DiZenzo:1988:MLA


Dickinson:1991:IAT


Dietrich:1962:PSP


Dimmock:1970:OPE


Dimsdale:1978:CCS


Dash:1970:SDS


Dimsdale:1975:MS

REFERENCES


Deutsch:1990:HSP


Dischinger:2012:SCS


Dash:2007:PDP


Deutsch:1995:MCL


Doerre:2002:IAS


Djurfeldt:2008:BSS

M. Djurfeldt, M. Lundqvist, C. Johansson, M. Rehn, O. Ekeberg, and A. Lansner. Brain-

**Darling:1984:MIJ**


**Dong:2014:PSC**


**Diel:1986:ECA**


**Dresselhaus:1964:FSG**


**Dimitrakopoulos:2001:OTF**


**Deicke:2003:TMS**


**Deng:2017:ASS**

REFERENCES


Dunham:1959:MBD


Doyle:1959:AFR


Doany:1997:LRP


Dillenberger:2019:BAA


REFERENCES

Das:1974:PLE


Driscoll:1986:CAY


Dodd:1963:SAE


Dixon:2014:SDN


Donath:1969:AAB


Donath:1974:EMR


Donath:1980:SWP


Donath:1981:WLD

REFERENCES


Donofrio:1990:P


Donofrio:1992:P


Donofrio:2000:MNM


Dooley:1983:MPA


Dorn:1960:DTC


Dorn:1962:GHR


Douglass:1962:MFD

Dietrich:1959:MMR


Dowley:1968:SLA


Dillenberger:2013:CBM


Durig:1986:NFO


Dietrich:1960:NST


Dietrich:2000:NST


Davies:1982:RSP

Deligianni:1993:SSP

Dean:2008:MVP

Dunne:2015:RMF

Dill:1977:TEP

Dietrich:2003:P

DeCusatis:1999:FOI
REFERENCES


Doany:1998:PDT


Dhondy:1992:CTC


Drangeid:1964:AMF


Dammann:1963:DDS


Duke:1971:SVT


Dickson:1982:HIS

REFERENCES

DeViney:2012:BGI

Dennis:2008:SCS

Guerreiro:1992:SPL

Dao-Trong:1992:SCI

Dhong:1995:LTC

Dubrulle:1972:SCS

Dubrulle:1983:CNM
REFERENCES

Duijvestijn:1959:TSN


Dukovic:1990:CCD


Dukovic:1993:FSR


Dunham:1957:FSL


Dunham:1957:MBD


Durbeck:1970:PES

REFERENCES

**Durig:1994:ASM**


**Dushkes:1971:DSU**


**Datars:1964:CRF**


**DiStefano:1974:IIS**


**Diaz:1981:PNO**


**Dickinson:1958:RIU**


**Dang:2008:CSC**

DeFosse:1985:DMS


Daehn:1990:AEL


Dong:2013:FEV


Deutscher:1989:SS


DiMaria:1978:LTC


Dubinsky:2010:EMR


Easton:1975:MID


Easton:1978:MDR

M. C. Easton. Model for database reference strings


REFERENCES


M. Eleftheriou, B. G. Fitch, A. Rayshubskiy, T. J. C. Ward, and R. S. Germain. Scalable framework for 3D FFTs on the Blue Gene/L supercomputer: Implementation and early per-

**Elmroth:2000:ARS**


**Ennis:1986:CRE**


**Engelke:1985:IMM**


**Edwards:1967:DSA**

Yasuo Endoch, Y. Hidaka, Kazuhisa Kakurai, Marc A. Kastner, and T. Murakami. Quasi-elastic and inelastic neutron-scattering studies of superconducting $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$.


Felix Eickhoff. Preface: IBM z14 design and technology.

REFERENCES


Emma:2008:CTN

[Ek08] Philip G. Emma and Eren Kur-
sun. Is 3D chip technology the next growth engine for perfor-
mance improvement? *IBM Journal of Research and De-

Estes:1964:SSS


Evans:1987:SGO

[EKR87] Roger C. Evans, George Kop-
pelman, and V. T. Rajan. Shaping geometric ob-
jects by cumulative transla-

Elmegreen:2004:SMM


El-Kareh:1990:SMP


cron MOSFET parameter ex-
traction technique. *IBM Journal of Research and Develop-

ElAgizy:1969:DIM

[M. N. El Agizy. Dynamic in-

ElAgizy:1974:EOS

[M. N. El Agizy. Economic order and surplus quantities model.
REFERENCES

Eichelberger:1980:HTG


Eichelberger:1983:RCE


Elgedawy:2011:DCC


Elias:1958:CPN


Elmendorf:1984:KMU


Engelke:1977:CND


Engel:1979:DRP


Elgot:1965:RDG

REFERENCES

DEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

**Egitto:1994:PMP**


**Emery:1989:NHS**


**Emma:1997:USS**


**Eickhoff:2018:LSA**


**Engh:1981:IDD**


**Engbersen:2003:PST**


**Eichenberger:2013:ELO**


**Eleftheriou:2010:ANP**


REFERENCES


REFERENCES


REFERENCES


Farrell:1982:BAI


Farrell:1983:CDI


Farouki:1987:TAE


Farr:1991:PVI


Franaszek:1978:AVT


Frey:2012:IUR


Fann:2004:SOM

REFERENCES


Fillmore:1977:DCD


Freiman:1963:FRP


Franaszek:1979:RSF


Freeman:2015:POG


Fischer:1970:CTF


Fore:2005:BS

REFERENCES


REFERENCES


Franchi:1983:DIA


Feger:2005:MRS


Fellenstein:1985:PMK


Freiberger:1975:PPR


Fitzgerald:1981:GIG


Flynn:1984:MIE

Fried:1982:VBM


Franke:2014:PSD


Franaszek:2001:ADS


Frank:2006:OCT


Faris:1980:BDJ


Falkoff:1973:DA


Fields:1965:STS


Filipowsky:1970:CMT

[R. F. Filipowsky. On the correlation matrices of trigonometric product functions. *IBM
REFERENCES


Fink:1986:MTS


Fisher:1988:DEE


Fitch:1957:DEC


Friedman:1960:SEC


Francis:1962:TSM


Fan:2012:AKE

REFERENCES

Felter:2003:PUD


Fisher:2008:TTC


Fox:1990:SET


Fleming:2016:TFD


Flehinger:1959:TPL


Flynn:1967:ISM

[FL67] M. J. Flynn and P. R. Low. The IBM System/ 360 model 91: Some remarks on system

**Fryklund:1969:UTC**


**Fleischer:1974:ILI**


**Fernandez:1975:CLB**


**Fernandez:1976:SGT**


**Fossheim:1989:REP**


**Flatt:1965:CMC**


**Flatt:1981:CME**


**Flatt:1991:FRU**

REFERENCES


Farrell:1985:ACD


Fargues:1986:CGS


Fleibrich:1984:PSL


Fleibrich:1984:PSL


Fleibช:1995:PIC


Fleibช:1995:PIC

REFERENCES

CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

Fleischer:1977:LSI


Findley:1978:CIP


Flur:1967:MPS


Fernandez:1978:ERA


Fleisher:1975:IAL


Foley:2010:RMF


Foglia:1961:CCS


Friedman:2003:SBI

[FMP+03] D. J. Friedman, M. Meghelli, B. D. Parker, J. Yang, H. A. Ainspan, A. V. Rylyakov, Y. H.

Fazzio:1993:HAD


Fahey:1992:SDS


Fox:1971:DLC


Fang:2017:PPW


Fink:1995:FDS


Fink:1989:ESS


FNRF89

REFERENCES


REFERENCES


REFERENCES


[Fra80b] [Fra82] [Fra83] [Fra87] [Fra89]


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


DEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).


Gaur:1977:SOA


Gazdag:1978:ESW


Greenberg:1971:IMD


Gaudiello:1993:MIM


Giampapa:2005:BGA


Gruber:2005:LCW


Ginsberg:1990:SEG

REFERENCES

ISSN 0018-8646 (print), 2151-8556 (electronic).


REFERENCES


Gereth:1968:NAE


Gruodis:1981:CLT


Guo:1993:MXP


Gresh:2007:ASC


Gervas:2019:LPN


Galand:1985:VPC


Gregg:2012:OIZ

T. A. Gregg, D. Craddock, D. J. Stigliani, F. E. Bosco, E. E. Cruz, M. F. Scanlon, P. Sciutto, G. Bayer, M. Jung, and C. Raisch. Overview of IBM zEnterprise 196 I/O subsystem with focus on new PCI Express infrastructure. IBM Journal of
REFERENCES


Gkoulalas-Divanis:2014:PPO


Gkoulalas-Divanis:2016:ISI


Gkoulalas-Divanis:2014:TSH


Gyorgy:1970:PME


Gregg:2002:CCI


Gecevi:1974:DHR


Gefen:1988:CVO

REFERENCES

ISSN 0018-8646 (print), 2151-8556 (electronic).


Gimzewski:1986:STM

Gianos:1996:DCD

Ghanem:1975:DPM

Ghanem:1975:SMP

Gheewala:1980:DJC

Goudey:2017:FOH

Gilson:1967:DPS

Greanias:1957:DLR
REFERENCES


**Gellerich:2004:GBP**


**Gaur:1985:TDS**


**Groves:1993:EBL**


**Gayles:1970:OFM**

References


Ghez:1988:KFS

Giacoletto:1966:MLP

Gilmore:1960:PMQ

Gillespie:1979:SLP

Gillespie:1984:RPC

Gustavson:2000:MSH

Glang:1960:IID
REFERENCES


REFERENCES


Guo:1993:SBC


Gusev:1999:GCU


Glicksman:1969:SME


Gondek:2012:FMR


Golden:1980:DAP


Gopisetty:1996:AFS


Georgiou:1992:IES

C. J. Georgiou, T. A. Larsen, P. W. Oakhill, and B. Salimi. The IBM Enterprise Systems Connection (ESCON) Director:

**Gaver:1976:EAA**


**Geldermands:1967:CCM**


**Gaver:1974:AED**


**Guenthner:1986:TRK**


**Gunter-Mohr:1960:FP1**


**Geballe:1962:IEL**


**Gutzwiller:1963:NWP**

REFERENCES


Gracer:1969:GCD


Gourlay:1972:HDM


Ghandour:1973:GAO


Greanias:1963:RHN


Grill:1990:DCF


Ganis:2010:BRW


Goldman:2005:UMF

REFERENCES


**Goldmann:1969:GOC**


**Goldstine:1987:RED**


**Gomer:1986:PMA**


**Gomory:1987:SI**


**Gonzales:1999:PMT**


**Gaidis:2006:TLB**


**Good:1958:HMS**

Goodman:1962:MBS


Gorog:1963:SNC


Gorog:1965:NAT


Gough:1989:GJQ


Ghosh:1971:AES


Gozzo:1994:RLS


Godard:1981:MM


Gallagher:2006:DMT

REFERENCES


D. H. Gibson and G. S. Rao. Design of the IBM System/390 computer family for numerically intensive applications: An

[Grant:1969:AWG]


[Grant:1971:ISR]


[Gray:1980:CCS]


[Gheith:2016:IBM]


[Greenstadt:1959:RCP]


[Greenberg:1960:FAM]


[Gregor:1968:PDF]

REFERENCES


REFERENCES


Grinstein:2004:CCS


Gross:1959:GFL


Grossman:1976:PRT


Geffken:1987:CMD


Guerard:2013:EGP


Gazdag:1986:SMI


[GS82a] J. R. Getten and R. C. Senger. Immersion wave solder-

**Gustafson:1982:IPU**


**Ginsburg:1984:HSP**


**Glimm:1987:NAS**


**Grotzinger:1993:CPA**


**Guo:2017:IAC**


**Grobman:1980:PCE**


**Gschwind:2009:IEP**


**Gotz:2012:MVA**

D. H. Gotz, J. Sun, and N. Cao. Multifaceted visual

Gschwind:2016:WAI


Giess:1990:LGP


Geipel:1980:RLI


Goertzel:1987:DHI


Gum:1983:SEA


Gunn:1964:ICI

Gunn:1966:EDC


Gunn:1966:PFS


Gunn:1969:TTD


Gupta:1997:FEA


Gustavson:1976:ABL


Gustavson:1976:ABM


Gustavson:1997:RLA


Gustavson:2003:HPL

F. G. Gustavson. High-performance linear algebra al-

**Greenblatt:1957:DPM**


**Greenblatt:1957:DPM**


**Gschwind:2018:RSE**


**Giurgiu:2017:AIP**


**Golladay:1990:ETO**


**Gerwig:2004:IEZ**

REFERENCES

Gygi:2008:AQS


Gonzales:1999:RME


Germain:2005:EPD


Goth:1992:DDM


Horton:1958:FBA


Huth:1971:DFR


Hernandez:2000:SNP

E. Hernández and Y. Arkun. Stability of nonlinear polynomial ARMA models and their

**Haas:1970:SSB**


**Hirzel:2013:ISP**


**Haines:1985:ACR**


**Hajek:1991:IES**


**Hall:1960:AST**


**Hall:1976:OSE**


**Hammer:1978:OGP**

Hamaguchi:1999:MSM


Hoppe:2004:FVF


Hansma:1986:STJ


Harris:1963:HSP


Hardy:1965:AIF


Hartwell:1971:PIF


Harding:1981:SMI

[Har81] William E. Harding. Semiconductor manufacturing in IBM,

**Harper:2001:P**


**Haskell:1962:PCC**


**Haskell:1966:DPC**


**Haskin:1998:TSS**


**Hatfield:1972:EPS**


**Hatzakis:1988:MPM**


**Haughton:1967:SMT**


**Hauge:1993:P**

REFERENCES


REFERENCES

Hsiao:1970:OLS


Heyns:1999:CEC


Hoke:1999:STI


Hoke:2002:STI


Harker:1981:QCD

opment, 25(5):677–690 (or 677–689??), September 1981. CO-
DEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

Hosler:1985:DPS

Hosler:1986:DPS

Hwang:2016:AOF

Henderson:1970:PTE
D. J. Henderson, J. A. Barker, and R. O. Watts. The Percus–
Yevick theory and the equation of state of the 6:12 fluid. *IBM
1970. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-
8556 (electronic).

Hagenlocher:1969:SCI
A. K. Hagenlocher and W. T. Chen. Space-charge-limited
current instabilities in n⁺ – π – n⁺ silicon diodes. *IBM
CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

Hastings:1970:OMN
J. M. Hastings and L. M. Corliss. Ordered moment of
228, May 1970. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

Halpern:1978:SRH
P. Halpern and K. L. Coulson. Solar radiative heating in
the presence of aerosols. *IBM Journal of Research and Devel-
opment*, 22(2):122–133, March 1978. CODEN IBMJAE. ISSN
0018-8646 (print), 2151-8556 (electronic).
REFERENCES


Hauge:1973:DOE


Hafner:2008:UDE


Hofer:2011:LEP


Hussan:2006:SDM


Harrer:2007:HSI


Hubbard:2010:PSM


Heath:1976:DSA

J. S. Heath. Design of a swing-
REFERENCES


REFERENCES

almaden.ibm.com/journal/rd38-5.html#ten.


[Hes99] D. W. Hess. Plasma-assisted oxidation, anodization, and nitridation of silicon. *IBM Jour-
REFERENCES

Hernandez:1978:MPR


Heiblum:1990:BHT


Heidelberger:1991:TSU


Hester:1994:PPP


Heller:2004:MIZ


Howard:1963:COG


Hicks:1994:PFU

Hanchett:1983:EMC


Himmel:2014:SDS


Horkans:1993:RRS


Hewat:1989:ODS


Hu:2018:IHB


Hannon:1969:COS


Huynh:1986:EAF

[Tien Huynh, Brent Hailpern, and Lee W. Hoevel. An execution architecture for FP. *IBM
REFERENCES

Horodecki:2004:QII

Held:1984:ATS

Habegger:1966:DLW

Harrison:1970:ISP

Hilgendorf:1999:EBP

Heidel:2008:P

Hathaway:1996:CPC
D. J. Hathaway, R. R. Habra, E. C. Schanzenbach, and S. J. Rothman. Circuit placement, chip optimization, and wire routing for IBM IC technol-
REFERENCES


[Hir77]


[HHSW01]


[HJ88]


[Ho:1994:EHH]


[Hip70]


[Hiraoka:1977:RCP]
REFERENCES


(HKLM+86) P. Hirsch, W. Katke, M. Meier, S. Snyder, and R. Stillman.


REFERENCES


REFERENCES

Halverson:1982:MSL


Hachtel:1981:SAUb


Hachtel:1981:SAUa


Hodgson:1982:LAC


Hanan:1974:ITL


Hortensius:1990:CAC


Hogan:2011:USE

Haensch:2006:SCD


Hofstee:2007:P


Harame:2003:DAM


Ho:1966:TAS


Ho:1973:TCA


Ho:1975:MNA


Hong:1975:CSA

[S. J. Hong and D. L. Ostapko. Codes for self-clocking, AC-

**Hsieh:1996:PIA**


**Hoa58**


**Hoa00**


**Hof60**


**Hoh78**


**Hol78**

W. N. Holmes. Representation for complex numbers. *IBM
REFERENCES


Horkans:1998:PMM


Horn:2000:PDI


Hosking:1994:FKD


Hovel:1978:NMD


Howard:1982:OIA


Howell:1984:ACE


Howell:1989:SPS


Howard:1992:TFT

References


Harrison:2011:PSC


Harris:1981:IDM


Hughes:2005:BMM


Ho:1980:CIT


Hu:1995:ESV


**Hu:2007:SMA**


**Hill:1969:GMO**


**Hood:1987:AAI**


**He:2014:IBR**


**Hoffman:1960:MGD**


**Hellerman:1961:MAC**

REFERENCES


REFERENCES


[Ho:1988:DBA]


He:2010:MIS


Horkans:1984:IEC


Huang:2010:FBL


Hiramoto:2006:ENS


Hu:1969:SDA


Helander:2016:PFS


Haynie:2009:ISZ


Huang:1979:RPM


Hudson:1963:STA


Hudson:1976:LST


Huisman:1990:SEM


Hunter:1959:DMA


Hunziker:1971:NTG


Huth:1974:CSD

Ch. S. Harder, B. J. Van Zeghbroeck, M. P. Kesler, H. P. Meier, P. Vettiger, D. J. Webb, and P. Wolf. High-speed GaAs/
REFERENCES


Hamann:2009:UEE


Hoffman:1972:FAS


Heidelberger:1981:ASM


Huang:1987:SDT


Haas:2012:IIZ


Herzog:1975:SQP


Hohn:1988:AEL

F. J. Hohn, Alan D. Wilson, and Philip Coane. Advanced electron-beam lithography for 0.5-µm to 0.25-µm device fabrication. *IBM Journal of Research and Development*,...
Haug:1984:ASC

Hellman:2003:ITS

Hanson:2006:UVM

Heng:2016:IAS

Im:1964:GPG

Iben:2003:HRA

IBGT:2008:OIB
REFERENCES


REFERENCES


Inselberg:1977:VGC


Irvin:1989:PIC


Irvin:1991:MPC


Irvin:1993:MCD


Irvin:2001:ESC


Iglehart:1983:SNM


Iglehart:1983:SNS


Isaac:2000:FCT

REFERENCES


[Jam81] S. E. James. Evolution of real-time computer systems for manned spaceflight. IBM Journal of Research and Develop-
REFERENCES


[Jel69]


[JOSI67]


[Jen10]


[JGD08]

REFERENCES


Johnson:1964:ORA


Jann:2018:IPS


Johnson:1994:CDM


Johnson:1996:TMF


Judd:1996:SSA


Jimenez:1982:SEI


Jessani:1996:FPU

REFERENCES

Johnson:1987:GPI

Jones:1960:TTD

Jones:1972:TDD

Jones:1975:ALM

Jordan:2004:P
REFERENCES


REFERENCES


Kloeckner:2018:BCP


Knickerbocker:2005:DNG


Krygowski:2012:KAP


Kuchta:1995:PFD

Knickerbocker:2008:TDS


Katz:2016:SEP


Kahn:1971:ECC


Kampf:1998:PFC


Kaneko:1974:OTS


Kaneko:1978:CCP

REFERENCES


Kosonocky:2003:LPC


Kuan:1992:AEI


Koerner:2004:ZFE


Krygowski:2009:FV1


Kakkanatt:2018:CIU

REFERENCES


Kapitulnik:1989:MTH

Koburger:1995:HCL

Kolar:2009:CRT

Kasiviswanathan:2013:NDD

KleinOsowski:2008:CDM

Koch:2015:AAC

**[Kahan:1960:STF]**


**[Kostenko:2015:IZE]**


**[Kehr:1965:FSC]**


**[Krusin-Elbaum:1987:OSC]**

REFERENCES

Kelley:1973:AES


Keller:1989:MRE


Kunkel:2000:PMC


Kennedy:1961:MCA


Kennedy:1961:TCM


Keppel:1975:ACS


Kerr:1964:ETB


Keyes:1961:ECE

REFERENCES


[KFB+97] D. R. Kaeli, L. L. Fong, R. C. Booth, K. C. Imming, and


Knepper:1985:ABT


Kiwimagi:1977:WPE


Kienzle:1988:APS


Kasprzak:1975:PDP


Kaplan:1988:MCP


Kump:1966:DLM


Kumar:2018:IPC


J. Kayser, S. Koerner, and K.-D. Schubert. Hyper-acceleration and HW/SW co-


[KL94] Jerome M. Kurtzberg and Menachem Levanoni. ABC: a better

**Koerner:1997:RCS**


**Kerr:1964:SSP**


**Kelly:1984:OIB**


**Klein:1964:SMT**


**Kwok:1971:DSG**


**Kleinfelder:1991:PPP**


**Khabibrakhmanov:2016:USE**

REFERENCES

Knickerbocker:1991:ISA


Khabiri:2019:CCP


Klokholm:1987:DFT


Kan:1996:PPR


Knauf:1966:SNM


Kang:2005:MMP


Kennedy:1966:CIA

Kennedy:1968:TDM
D. P. Kennedy and P. C. Mur- 
ley. A two-dimensional mathe-
matical analysis of the diffused 
semiconductor resistor. *IBM 
Journal of Research and Devel-
CODEN IBMJAE. ISSN 0018-
8646 (print), 2151-8556 (elec-
tronic).

Koenig:1970:ARD
Application of RF discharges 
to sputtering. *IBM Journal of 
Research and Development*, 14 
(2):168–171, March 1970. CO-
DEN IBMJAE. ISSN 0018-8646 
(print), 2151-8556 (electronic).

Kennedy:1973:SSM
D. P. Kennedy and P. C. Mur-
ley. Steady state mathematical 
theory for the insulated gate 
field effect transistor. *IBM 
Journal of Research and Devel-
opment*, 17(1):2–12, January 
1973. CODEN IBMJAE. ISSN 
0018-8646 (print), 2151-8556 
(electronic).

Kyser:1974:QEM
D. F. Kyser and K. Mu-
rata. Quantitative electron mi-
croprobe analysis of thin films 
on substrates. *IBM Journal of 
Research and Development*, 18 
(4):352–363, June 1974. CO-
DEN IBMJAE. ISSN 0018-8646 
(print), 2151-8556 (electronic).

Kou:1977:MBP
Lawrence T. Kou and George 
Markowsky. Multidimensional 
bin packing algorithms. *IBM 
Journal of Research and Devel-
opment*, 21(5):443–448, 
September 1977. CODEN IB-
MJAE. ISSN 0018-8646 (print), 
2151-8556 (electronic).

Kanazawa:1993:QRE
K. K. Kanazawa and O. R. 
Melroy. The quartz resonator: 
Electrochemical applications. *IBM 
Journal of Research and Devel-
opment*, 37(2):157–171, 
March 1993. CODEN IBMJAE. 
ISSN 0018-8646 (print), 2151-
8556 (electronic).

Koenig:2000:ARD
H. R. Koenig and L. I. Mais-
sel. Application of rf discharges 
to sputtering. *IBM Journal of 
Research and Development*, 44 
(1/2):106–110, January/March 
2000. CODEN IBMJAE. ISSN 
0018-8646 (print), 2151-8556 
research.ibm.com/journal/ 
rd/441/koenig.pdf. Special 
issue: reprints on Evolution of 
information technology 1957– 
1999.

Karg:2008:TMO
Siegfried F. Karg, G. Ing-
mar Meijer, J. Georg Bed-
norz, Charles T. Rettner, Ale-


DEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

**Kim:2016:BSS**


**Kennedy:1964:SAD**


**Kitayama:2014:ASP**


**Koyamada:1991:VVF**


**Kandlur:2008:P**

Knickerbocker:2008:P


Knuth:1990:SPW

[Knu90] Donald E. Knuth. A simple program whose proof isn’t. In Feijen et al. [FvGM90], chapter 27, pages 233–242. ISBN 0-387-97299-4. LCCN QA76 .B326 1990. This paper discusses the algorithm used in TEX for converting between decimal and scaled fixed-point binary values, and for guaranteeing a minimum number of digits in the decimal representation. See also [Cli90] for decimal to binary conversion, [SW90] for binary to decimal conversion, and [Gri90] for an alternate proof of Knuth’s algorithm.

Kennedy:1965:ECI


Kennedy:1965:AIA


Kennedy:1966:ABC


Kennedy:1967:MTL


Kennedy:1969:MIA


**Kennedy:1969:TMA**


**Kennedy:1970:CAT**


**Kobayashi:1970:CSR**


**Kobayashi:1971:APD**


**Kochen:1959:EMS**


**Koes:2018:PBC**


**Kogbetliantz:1957:CUE**

REFERENCES

Kogbetliantz:1958:CAUb


Kogbetliantz:1958:CAUa


Kogbetliantz:1959:CSC


Kogge:1974:PSR


Kogge:1994:P


Kohl:1998:PES


Kolsky:1967:SCA


Konnerth:1969:UTS

K. L. Konmerth. Use of a terminal system for data acqui-
REFERENCES


Dexter Kozen. Theory of a fast-switching...

**Koves:1963:DOS**


**Keller:1979:EPR**


**Kyser:1980:CSE**


**Kalyanpur:2012:FBQ**


**Kiseda:1961:MAM**


**Knickerbocker:2002:AMM**

REFERENCES


REFERENCES


[Kapoor:2012:ETA]

[Kruskal:1984:MMP]

[Kehr:1966:SAC]

[Keller:1979:SPM]

[Keller:1990:BSS]

[Kuczynski:2001:SMN]
REFERENCES


Konopnicki:2013:SAM


Knapp:1958:ESS


King:1966:SES


Kobayashi:1970:APC


Kobayashi:1973:DRC


Kovac:1984:ITC

REFERENCES

DEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

Ku:1963:ATS


Kuhn:1988:OLP


Kump:1965:DFU


Kumar:1992:UDC

M. Kumar. Unique design concepts in GF11 and their impact...

Kumar:1998:VSD


Kuo:1992:RIE


Kuo:1999:PPP


Kurtz:1957:SCF


Kurtzberg:1987:FAS


Kuse:1970:IMO


Kuznietz:1970:LMI

REFERENCES


Kumar:2001:PFE


Kotsugi:2011:DMA


Koester:2008:WLI


Kim:2003:FGR


Lafuente:1980:STC


Lee:1984:TTE

REFERENCES


[Lan66] W. E. Langlois. Conditions for termination of the method of steepest descent after a finite number of itera-
REFERENCES

Lanza:1974:AAG

Langdon:1984:EIA

Langdon:1984:IAC

Langlois:1985:DEG

Lang:1986:EST

Landauer:1988:SVC

Landauer:1996:CSV
REFERENCES


[Landauer:2000:SVC]

[Lan00b]


[Las63]


[Lat73]

REFERENCES


REFERENCES


Lindsted:1972:AET


Lever:1974:WVO


Laff:1963:DEG


LaPotin:2010:WNO


Lee:1984:MMP


Lochtefeld:2002:NIC

REFERENCES


REFERENCES


Lehman:1964:CAE


Lehmann:1978:INL


Leibowitz:1961:AMT


Leibowitz:1962:NSF


Lentz:1958:NAS


Lennemann:1974:AAD


Lester:1971:IPB


Lever:1964:EBS

REFERENCES

Lever:1966:CIT


Levanoni:1977:SFF


Lew:1973:AES


Lew:1975:SRB


Lewis:1978:RML


Lewis:1978:OPM


Lew:1980:OAL


Lew:1983:IRC

REFERENCES

1983. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).


**Llobet:2017:MNS**


**Liu:2003:DIA**


**Le:2015:TMS**


**Lesser:1957:RAM**


**Libson:1984:GMR**


**Lesser:2000:RAM**

research.ibm.com/journal/
rd/441/lesser.pdf. Special
issue: reprints on Evolution of
information technology 1957–
1999.

Lougee-Heimer:2003:COI

R. Lougee-Heimer. The Common
pdf.

Lesem:1969:KNW

L. B. Lesem, P. M. Hirsch, and
J. A. Jordan, Jr. The kinoform:
a new wavefront reconstruction
DEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

Lamba:2017:UEP

H. Lamba, M. E. Helander,
M. Singh, N. Lethif, A. Bhamidi-
paty, S. A. Baset, A. Mojsilovi,
and K. R. Varshney. Understanding the ecospace of philan-
thropic projects. IBM Journal of Research and Development, 61(6):6:1–6:10, November 2017. CODEN IBMJAE. ISSN 0018-
8646 (print), 2151-8556 (elec-
tronic).

Lee:1981:NVC

D. T. Lee, S. J. Hong, and C. K.

Likharev:1988:CDT

K. K. Likharev. Correlated
discrete transfer of single elec-
DEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

Lin:1967:ETR

ieee.org/stamp/stamp.jsp?

Lin:1976:DCP

B. J. Lin. Deep-UV conformable-
contact photolithography for bubble circuits. IBM Journal of Research and Development,
Ling:1981:HSB


Linsker:1984:IPW


Lipari:1992:PMS


Liptay:1992:DIE


Little:1962:KRM


Lien:1992:LFE


Liu:2007:SRS


Lorenz:2005:VTB

J. Lorenz, S. Kral, F. Franchetti, and C. W. Ueberhuber. Vectorization techniques for the Blue Gene/L double FPU. *IBM
REFERENCES

Journal of Research and Development, 49(2/3):437–446, ????

Logue:1981:TIE

Techniques for improving engineering productivity of VLSI designs. IBM Journal of Research

Lin:1980:EGD

[LKY80] Shu Lin, Tadao Kasami, and Saburo Yamamura. Existence of good delta-decodable codes
for the two-user multiple-access adder channel. IBM Journal of Research and Development, 24

Langlois:1983:DSM

various laboratory conditions for silicon growth. IBM Journal of Research and Development,

Leavey:1993:DCI

2151-8556 (electronic).

Libsch:1998:UCH

[LL98] F. R. Libsch and S.-C. A. Lien. Understanding crosstalk in high-resolution color thin-
film-transistor liquid crystal displays. IBM Journal of Research and Development, 42

Lam:1999:MRH


Lee:1992:NMA

[LLF+92] W. Lee, S. E. Laux, M. V. Fischetti, G. Baccarani, A. Gnudi, J. M. C. Stork, J. A. Mandel-
man, E. F. Crabbe, M. R. Wordeman, and F. Odeh. Numerical modeling of advanced
REFERENCES


REFERENCES


Lomet:1980:DDF


Lorber:1970:TGB


Low:1974:OPU


Low:1978:DWD


Loy:1979:TCT


Ling:1975:BIC


Lin:2015:MCA


Lally:2012:QAH

REFERENCES

Lotlikar:2014:RTC


LAbbate:1986:CAT


Lake:2004:PWN


LeMehaute:1965:ESI


Luttmann:1965:SNE


Lee:1979:ABD


Levine:1997:PVP


REFERENCES

DEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).


REFERENCES
ISSN 0018-8646 (print), 2151-8556 (electronic).


REFERENCES


REFERENCES


REFERENCES


REFERENCES


McDaniel:1996:ODS


Moreira:2005:BGP


Mann:2003:UPS


MacDonald:1960:DMM


Melcher:1998:DFP

REFERENCES


**Mueller:1999:RSI**


**Magdo:1973:TOS**


**Medeiros:2001:RPE**


**Mahaney:1993:TMI**


**Malik:2013:GBD**


**Mandeville:1985:NMA**


**Mantyla:1990:MST**

REFERENCES


Mapother:1962:TCM


Marinace:1960:EVG


Marcus:1961:MPD


Marinace:1960:TDV


Marcus:1962:FP1


Marcus:1964:DMC

REFERENCES


REFERENCES

Matick:1989:FCC


Matick:1995:FMS


Matick:1998:MNM


Matick:2003:CAP


Mauri:1997:PIG


Mauri:2018:MGM


Mayeda:1960:SSF

REFERENCES


[Mayer:2012:URM]


[Mayer:2018:PSI]

REFERENCES


DEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).


REFERENCES

505–519, September 1981. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

McGroddy:1992:PPT


Meaney:2015:IZM


Melan:1982:QRA


Mitzi:2001:OIE


McNutt:1994:BDM


Mattson:1965:TDC


Mason:2012:CDM

Massie:2012:ITR


Mandelman:2002:CFD


Maffitt:2006:DCM


Markatou:2012:CBR


Mathur:1970:SHS


Magoutis:2008:GMD

REFERENCES


Modani:2010:DAT


Mencias:2018:OBS


Mayer:2007:DMA


Meindl:2002:IOG


Mee:1967:MMS


Meggitt:1960:ECC

REFERENCES

Meggitt:1962:PDP


Meggitt:1963:DMP


Meggitt:1963:DDM


Mehring:1989:NMR


Mehta:2007:P


Meissner:1962:SEE


Meister:1983:MYF


Melas:1960:CCD

REFERENCES


REFERENCES

**Meyerson:1990:LSS**


**Meyerson:2000:LTS**


**Meyerson:2000:SGB**


**Meyerson:2003:MVP**


**Murdock:2012:TEG**


**Makris:1971:EET**


**Meyer:2011:SOU**


Maruyama:1977:HDA


Mach:1962:RSP


Melas:1963:NEC


Moll:1963:TCJ


Makous:1968:ELH


Melcher:1998:ADF


Matick:2001:AAF

R. E. Matick, T. J. Heller, and M. Ignatowski. Analytical analysis of finite cache penalty and...

Mullerova:2011:STL


Montoye:1990:DIR


Marder:2015:UIA


Molloy:2010:IDC

Michael:1959:GFL


Michaud:1972:EIE


Michaelson:1978:RBA


Middelhoek:1962:SRP


Middelhoek:1965:PDB


Middelhoek:1966:DWV


Middelhoek:1970:MPF


Middelhoek:1970:PMT

0018-8646 (print), 2151-8556 (electronic).


Miranker:1960:WEM


Miranker:1961:PSW


Miranker:1969:PMA


Miranker:1972:EIS


Mit94


Mitchell:1964:SHA


Marcus:1969:EDM


Maissel:1970:RSS

REFERENCES

Moreno:1993:MTI


Matthews:1973:DGG


Manzer:2005:HSE


Murdock:2012:TCA


Matthews:1982:BCD


Matick:1984:APA


Meaney:2012:IZR

REFERENCES


REFERENCES


REFERENCES

Methfessel:1960:DWT


Maruyama:1988:JSA


Morokuma:2001:MSS


Manohar:1999:FPO


Maling:1967:RCD


McGroddy:1967:NCI


Marcus:1970:ICM

[MN70] M. P. Marcus and W. H.


REFERENCES


IEEE.org/stamp/stamp.jsp?tp=&arnumber=5391958.

Muller:1981:PT


Mintzer:1982:MSP


Mitchell:1988:OHS


Mitchell:1988:SIQ


Murgai:1982:OIP


Murlalt:1986:WLB


May:1990:PPM


Mericas:2015:IPP


**Mauer:1977:EOE**


**Matick:1966:HSR**


**Micchelli:1972:TFH**


**Markowsky:1976:BCP**


**Meier:1976:EMR**


**Meier:1979:IDP**


**Morgan:1987:SSR**


**Mausser:2014:CER**

Mohsenian:1999:SPC


Maeno:1989:MEY


McCurry:1960:SCL


Mehta:1967:RMD


MacDonald:1975:SHO


Meshkat:1987:VDM

REFERENCES

Molteni:1989:TOS

Murley:1996:SMC

Matick:2005:LBE

Muller:2007:QOM

Mak:2004:PSI

Maissel:1972:SHS
REFERENCES

JAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

[Murray:2001:CSN]

[Mack:2007:IPR]

[Mahindru:2014:SDU]

[Moore:1969:OAD]

[Martorell:2005:BGP]

[Murphy:1964:DAT]

[Maruyama:1977:DLC]
REFERENCES


Mulvany:1981:IDF


Myers:1984:ITI


Motika:1990:LCD


Mamin:1995:HDS


Magdo:1971:EBF


McMurtry:1984:TIP


Miranker:1983:ZTV


Matino:1977:ESB

H. Matino and T. Ushiroda. Effect of substrate bias on prop-

Mullick:1967:PSN


Mulvany:1974:EDD


Murphy:1957:PIA


MacDonald:1962:FET


Martin:2010:PTS


Muehlbach:2007:CDU

REFERENCES

Marsh:1985:DLI


Ma:1962:EIA


Middelhoek:1967:RWC


Milder:1970:AHC


McCumber:1979:ACA


Magerlein:1980:ERL


Markowsky:1980:FWF


Mescia:1982:PAS


REFERENCES


REFERENCES


[Net60] A. H. Nethercot. On the switching time of subharmonic oscil-
Nagle:2008:ATO


Nicollian:1957:REH


Nguyen:1999:HDP


Nohilly:1991:PES


Nakagome:2003:RFP


Nicholson:1992:CEK


Niijima:1995:DSF


Ning:2002:WBS


Nickel:1981:PTI


Norris:1969:RCC


Nieters:2017:NCM


Nowak:2002:MBC

Nussbaumer:1978:CCD

Naveh:2007:WOI

Naghshineh:2009:IRD

Nguyen:1992:TRA

Nishida:1998:MCU
REFERENCES


REFERENCES


Ortega:2003:GED


Oehme:2008:ISF


Odeh:1964:ETB


Odeh:1987:SST


Oehrlein:1999:SSI


OHare:2009:AED


Oliver:1970:TMF

[ODR70] M. R. Oliver, J. O. Dimmock, and T. B. Reed. Temperature and magnetic field dependence of the conductivity of....
REFERENCES


**Oliveira:2016:DSA**

**Ormond:1980:RSG**

**O'Connor:1987:SUV**

**Oehler:1990:IRS**

**Ostapko:1974:GTE**

**OHanlon:1978:PSA**

**Ohara:2010:ARR**
REFERENCES

Ohba:1984:SRA


Oakes:2007:ESR


O’Brien:1985:TPM


Onton:1976:SMA


Ohta:1995:UMR


OSullivan:1988:CPC


Osogami:2013:TSE


Oprysko:2003:P


Oehrlein:1992:PDE


Orth:1984:EAE


Ohrlein:1992:PDE

Ogorman:1996:FTC


Osborn:1993:SMM


O’Gorman:1996:FTC

Osullivan:1998:EDD


Okorn-Schmidt:1999:CSS

Ostapko:1984:MMC


Oswald:1974:DDF


OSullivan:2014:ADM


Overmeyer:1970:CCD


OConnell:2000:PNG


Ohmacht:2013:IBG


Ortiz-Yepes:2014:BSA


Pruett:2005:BSM

G. Pruett, A. Abbondanzio, J. Bielski, T. D. Fadale, A. E.

Padegs:1981:SB


Padegs:1983:SEA


Pissadaki:2018:DCM


Paige:1969:BND


Paivanas:1972:STP


Palermo:1961:NMP


Palmer:2014:PCS


Patlach:1972:DCM


Patrin:1973:PVH


Patel:1975:ZEM


Patel:1980:ERS


Patel:1985:ACA


Patel:1986:FDM


Patel:1989:TLC


Pattnaik:2018:PIP


Paul:1989:MEI


References

Pennington:1985:RRT

Plass:2007:IPS
D. W. Plass and Y. H. Chan. IBM POWER6 SRAM ar-

Poli:1996:ITA

Pugh:1960:AIA

Penner:2009:DHS

Pisiskin:1964:NDT

Poli:1996:ITA

Pennington:1985:RRT

Pliskin:1964:NDT

Pugh:1960:AIA

Penner:2009:DHS

Prager:2012:SQT

Prager:2012:SQT

Pugh:1960:AIA

Penner:2009:DHS

Prager:2012:SQT


Peterson:1957:ARA


Peterson:1958:CA


Petrick:1976:NLB


Peters:1977:ZON


Petersen:1979:MMS


Petersen:1980:STS


Peter:1989:PAH


Pilkuhn:1966:GLS


Pidgeon:1970:ORS


Pfeiffer:1988:HHE


Perfecto:1998:TFM


Peterson:1965:NTD


Patel:1974:ORC


Paivanas:1979:AFS


Paivanas:1981:AFC

Piazza:2005:BTD


Pugh:1981:SSM


Phillips:1978:CEE


Pickover:1987:DVR


Pickover:1991:PRG


Picciano:2018:MSV


Pignal:1988:AHS


Pimbley:1976:DFL

Pippenger:1979:ACT

Pippenger:1981:ACT

Pippenger:1987:CCN

Pistor:1974:SCR

Price:1961:AMM

Pease:1988:PLU

Pepeljugoski:2003:DOC

Pyzer-Knapp:2018:BOA
Parija:2007:SPP


Peng:1973:EDS


Pimbley:1977:SDF


Pacansky:1979:PDM


Pan:1981:TRU


Park:1983:ATC


Plath:1976:RNL


Patau:1970:IFU


E. Patterson, R. McBurney, H. Schmidt, I. Baldini, A. Mojsilovi, and K. R. Varshney. Dataflow representation of data

Pattnaik:2015:PIP


Podowski:2006:VCS


Polleys:1978:WFH


Ponnalagu:2017:ODR


Pohl:1995:STA


Pohl:1979:FRS


Pohl:1986:SDC


Polgar:1965:DSG


Parikh:1980:PPE


Prisgrove:1986:SSP


Paolini:1991:IGT


Price:2009:MVP


Pantazi:2008:PBU


Pham:2017:RTU

[PSD+17] K. T. Pham, P. Sattigeri, A. Dharandhar, A. C. Jacob, M. Vukovic, P. Chataigner,


REFERENCES

Pulleyblank:2003:MSN

Pulleyblank:2007:MVP

Phillips:1993:PCH

Probst:2002:FCC

Park:1995:FOR

Palmer:1967:VDW

Pliskin:1968:RTC

**Peterson:1972:ICG**


**Park:1978:EEG**


**Pierson:1983:LTT**


**Peskin:1991:IQV**


**Paraszczak:2013:PDR**


**Piccolo:1991:GWS**


**Plouchart:2003:ASM**

REFERENCES


REFERENCES


REFERENCES


**Rochwerger:2009:RMA**


**Reason:2009:AIF**


**Roscher:2018:ISI**


**Rish:2017:HBD**


**Rabinovici-Cohen:2008:PDN**


**Ries:1993:ASB**

Ringger:1986:SAA


Ratha:2015:BDA


Rao:2016:SES


Robertson-Dunn:2012:BZF


Rosenbluth:1998:CPR


Ruehli:1971:NCM


Redfield:1957:TRP

IEEE.org/Stamp/Stamp.jsp?tp=&arnumber=5392713.

Reeber:1959:GES


Rees:1969:TRH


Reid:1966:DTR


Reich:1969:EST


Remley:1967:STF


Raghavan:2015:IPP


Reynier:1969:ESN

REFERENCES

Raider:1978:XPS


Reynolds:2003:DCR


Rizzolo:2007:ISZ


Rothschild:1997:LWN


Restle:1990:IPS


Rohrer:2009:ANR


Rideout:1975:DDC

[RGL75] V. L. Rideout, F. H. Gaensslen, and A. LeBlanc. Device design considerations for ion implanted n-channel MOSFETs.
REFERENCES

Rao:1997:IPE


Ryan:1995:EIT


Rodriguez:1990:DUV


Rutz:1973:ASM


Rudge:1963:FEL


Rizzolo:1999:SPM


REFERENCES

Rivlin:1987:VAT


Roth:1962:MBG


Ravi:1966:EKT


Route:1969:AAI


Randolph:1972:DFH


Reiser:1974:ADA


Reiser:1975:QNM


Rafaeli:2015:NSD

REFERENCES


REFERENCES


Renegar:2009:PVC


Ray:2010:PBI


Rusu:2003:MSV


Rudd:1994:STB


Robbins:1967:GLC


Roehr:1966:INI


Rogers:1966:PCP

W. F. Rogers. A practical class of polynomial codes.
REFERENCES

Rosenberger:1959:CO


Rosenberg:1966:MHF


Roshon:1978:EDC


Rosenfield:2003:MDA


Roth:1960:MBT


Rossnagel:1999:SDS


Ross:2000:GPP

REFERENCES


REFERENCES

(5):544–552, ????, 1967. CO-
DEN IBMJAE. ISSN 0018-8646
(print). 2151-8556 (electronic).
URL http://ieeexplore.
ieee.org/stamp/stamp.jsp?
tp=&arnumber=5391963.

Rocher:1970:AEH

E. Y. Rocher and R. L. Pick-
holtz. Analysis of the effec-
tiveness of hybrid transmis-
sion schemes. IBM Journal of
Research and Development, 14
(4):426–433, July 1970. CO-
DEN IBMJAE. ISSN 0018-8646
(print). 2151-8556 (electronic).

Reisman:1978:AGD

A. Reisman and K. C. Park.
AC gas discharge panels: Some
general considerations. IBM
Journal of Research and Devel-
opment, 22(6):589–595, Novem-
ber 1978. CODEN IBMJAE.
ISSN 0018-8646 (print). 2151-
8556 (electronic).

Rocher:1969:RTT

E. Y. Rocher and R. E. Reynier.
Response time of thyristors:
theoretical study and applica-
tion to electronic switching net-
works. IBM Journal of Re-
search and Development, 13
(4):447–455, July 1969. CO-
DEN IBMJAE. ISSN 0018-8646
(print). 2151-8556 (electronic).

Rao:1983:IMO

Gururaj S. Rao and Philip L.
Rowenfeld. Integration of ma-
chine organization and control
program design — review and
direction. IBM Journal of
Research and Development, 27
(3):247–256, May 1983. CO-
DEN IBMJAE. ISSN 0018-8646
(print). 2151-8556 (electronic).

Rao:1983:IMO

Jaroslaw R. Rossignac and
Aristides A. G. Requicha.
Piecewise-circular curves for geo-
metric modeling. IBM Journal of
Research and Development, 31(3):296–313, May 1987. CO-
DEN IBMJAE. ISSN 0018-8646
(print). 2151-8556 (electronic).
References


[Roberts1966] S. M. Roberts and J. S. Ship-

**Roberts:1967:SRT**


**Robinson:1969:CME**


**Reed:1979:ISA**


**Rayfield:1985:ADC**


**Raghavan:1994:MVR**


**Ray:2014:PSF**


**Radio:1970:PAM**


[Reilly:1982:PCI]


[Reuter:1991:MSB]


[Reddy:2015:PLP]


[Rosenberg:1975:WMA]


[Reed:1999:PVE]


[Rosier:1969:SC]

[RTM65] K. M. Roehr, P. M. Thrasher,

**Rubin:1990:EAM**


**Ruehli:1972:ICC**


**Ruehli:1979:SCE**


**Ruskai:2004:SBS**


**Rutz:1957:TCT**


**Rutz:1959:MLP**


**Rutz:1964:NRT**

REFERENCES

RadicatidiBrozolo:1989:CGS


Rogstadius:2013:CCS


Risken:1988:BTE


Roth:1959:ATM


Ratakonda:2010:ITP


Rideout:1980:OMC


Rymaszewski:1981:SLT

REFERENCES

538

603–616, September 1981. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

Ritzdorf:2005:DME


Reinprecht:2016:EEE


Riley:2007:CBE


Smith:1966:INM


Sanuki:1998:DVS


Stohr:2000:XRS


Schubert:2018:AVC

K. D. Schubert, S. S. Abrar, D. Averill, E. Bauman, A. C.


A. L. Samuel. Some studies in machine learning using the


[San12] L. S. Sanford. Message from the Senior Vice Presi-
REFERENCES


REFERENCES

research.ibm.com/journal/
rd/082/ibmrd0802J.pdf.

Schroer:1986:CAS

Peter H. Schroer and Jordan
Becker. Computer automa-
tion for scanning tunneling mi-
croscopy. IBM Journal of Re-
search and Development, 30(5):
543–552, September 1986. CO-
DEN IBMJAE. ISSN 0018-8646
(print), 2151-8556 (electronic).

Silva:2009:SDC

M. Silva, M. Banikazemi,
M. Butrico, D. Daly, S. Guthridge,
J. E. Moreira, and W. V.
Ruggiero. Scalable data
center provisioning and con-
rol. IBM Journal of Re-
search and Development, 53
(4):??, ????, 2009. CODEN
IBMJAE. ISSN 0018-8646
(print), 2151-8556 (electronic).
URL http://www.research.
ibm.com/journal/abstracts/
rd/534/silva.html.

Strach:2012:EPI

T. Strach, F. Bosco, K. L.
Christian, K. R. Covi, M. Eck-
ert, G. R. Edlund, R. Frech,
H. Harrer, A. Huber, D. Kaller,
M. Kindscher, A. Z. Muszyn-
ski, G. A. Peterson, C. Siviero,
J. Supper, O. A. Torreiter, and
T.-M. Winkel. Electronic pack-
aging of the IBM System z196
enterprise-class server processor
cage. IBM Journal of Research
and Development, 56(1–2):2:1–
2:19, ????, 2012. CODEN IBM-
JAE. ISSN 0018-8646 (print),
2151-8556 (electronic).

Shafti:2010:SOC

F. Shafti, T. Bedford, L. A.
Deleris, J. R. M. Hosking,
N. Serban, H. Shen, and
L. Walls. Service operation
classification for risk manage-
ment. IBM Journal of Re-
search and Development, 54(3):
7:1–7:17, May/June 2010. CO-
DEN IBMJAE. ISSN 0018-8646
(print), 2151-8556 (electronic).

Seraphim:1964:EPT

D. P. Seraphim, A. E. Bren-
nemann, F. M. d’Heurle, and
H. L. Friedman. Electrochem-
ical phenomena in thin films
of silicon dioxide on silicon. IBM
Journal of Research and Devel-
opment, 8(4):400–??, Septem-
ber 1964. CODEN IBMJAE.
REFERENCES

ISSN 0018-8646 (print), 2151-8556 (electronic).


**[SBR64]**


**[SC75]**


**[SC81]**


**[SC88]**


**[SCC+97]**

March/May 2015. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

Sugavanam:2013:DLP


Schaffert:1962:CTM


Schay:1962:AMM


Schaffert:1971:NHO


REFERENCES

Schlig:1996:CSC


Schmidt:2004:P


Schieber:2007:P


Sourirajan:2009:CMA


Sorokin:1966:EPS


Schmidt:2005:CDC


Stapper:1982:EAV

REFERENCES

DEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

Swope:2001:P


Sguazzero:1978:HNM


Schwarz:2002:MIE


Stanford-Clark:2010:APS


Shwuttke:1978:LCS


Shine:1971:AEE


Shih:1985:EPR

REFERENCES

CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).


REFERENCES

DEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

Segmuller:1962:DLS


Segmuller:1968:XDT


Seki:1993:SIS


Selby:2007:MEO


Seraphim:1982:NSP


Seraphim:1981:EPE


Schrott:1993:AXS


Shaw:1977:TAP

DEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

**Shang:2006:GCM**


**Schreiner:1965:ADC**


**Singhee:2016:PNG**


**Sibuya:1978:NMN**


**Swalen:1964:CAE**


**Schechtman:1971:ADA**


**Street:1977:PPS**


**Shippy:1994:PFD**

D. J. Shippy and T. W. Griffith. POWER2 fixed-point,
REFERENCES

Stiles:1994:HPR


Sechler:1995:DAS


Spainhower:1999:IPE


Stork:1987:EMI


Shen:2010:PTE


Siegel:2004:LPM

REFERENCES


Schatzhoff:1957:MMD


Schatzhoff:1957:MMD


Schatzhoff:1957:MMD


Schatzhoff:1957:MMD


Schatzhoff:1957:MMD


Streetman:1969:COD


Strom:1984:NPM


Scoggin:1987:F


Shafer:1958:PEF

REFERENCES


[She59a] J. C. Shepherdson. The reduction of two-way automata to one-way automata. IBM Journal of Research
REFERENCES

Shevel:1959:ORS


Shir:1972:NIA


Shimizu:1973:NCS


Shichman:1985:PIP


Shimizu:2007:CBE


Sylvia:2012:TIT


Shor:2004:ACC

REFERENCES


**Schmidt:2009:TIT**


**Sierra:1963:IMR**


**Siemons:1970:HMM**


**Suneja:2016:TAC**


**Sitton:1971:DTI**


**Sitaram:1987:IIM**


**Schwartz:1970:ACS**

REFERENCES


REFERENCES


Slattery:1998:DCA


Schwarz:1999:GFP


Stok:1996:BLS


Schramm:2011:LEE


Schwarz:2009:DFP


Spangler:2010:SPS


**Sinharoy:2011:IPM**


**Shetty:2006:HHT**


**Sorokin:1966:SEO**


**Sorokin:1967:FEO**


**Schweitzer:1976:BOS**

Schubert:2015:SIP


Sandon:1997:NBD


Seshadri:2009:RSR


Schild:1978:CDA


Sorokin:1967:LPS


Sofia:2015:IHP

REFERENCES

MJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

Seeger:1997:TFI


Singhee:2016:OPE


Sorokin:1964:RLS


Slonczewski:1966:TDW


Silvestri:1972:GER


Shim:2018:SAD


Seraphim:1962:FSO

D. P. Seraphim and P. M. Marcus. First- and second-order...


**Stapper:1980:YMP**


**Smith:1957:MAM**


**Smith:1960:MCS**


**Smith:1977:SRP**


**Song:1999:GCM**


**Smolin:2004:EDE**


**Schubert:2004:ASI**

K.-D. Schubert, E. C. McCain, H. Pape, K. Rebmann, P. M.


Schmidt:2002:HES


Sundararajan:2015:DEI


Silverio:2002:HID


Smith:2009:P


Smith:1969:NCE


Schoeberl:2006:MBD

REFERENCES


REFERENCES


**Soule:1964:CFS**


**Soult:1996:AVA**


**Sowa:1976:CGD**


**Sowa:1984:ILI**


**Small:1990:OWV**


**Szakal:2014:OIS**


**Saon:2017:RAC**


**Sherchan:2017:HTI**

REFERENCES


Sprokel:1961:URD


Shin:1995:CDC


REFERENCES

Saraf:1994:TSM


Stiffler:2018:PTI


Srinivasan:1996:MCS


Schubert:2011:FVI


Silverman:1993:XLB

REFERENCES


**Shapiro:1959:MTE**


**Swanson:1959:DAPb**


**Sorokin:1961:SSO**


**Shedler:1976:DMR**


**Schlig:1978:CVC**


**Shedler:1982:RSN**


**Stone:1986:ACD**


REFERENCES


Starke:2015:CMS


Speckmann:2011:ASI


Shaw:1969:IBC


Stuecheli:2018:IPO


Stoecklin:2016:PSI


Schechtman:1973:IUT

REFERENCES

ISSN 0018-8646 (print), 2151-8556 (electronic).


[SS98] J. L. Sanford, E. S. Schlig, T. Tomooka, K. Enami, and

**Swalen:1977:PPT**


**Sagnis:1965:CMM**


**Scarborough:1991:CIE**


**Schaffer:2012:EII**


**Sha:1972:NCA**


**Schatzoff:1975:DES**


**Smith:1989:DEC**

September 1989. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

Sarkar:2017:EST

Standish:1967:TRR

Stacy:1973:QLE

Stacy:1975:CBQ

Stapper:1976:LYM

Stapper:1983:MIC

Stapper:1984:MDI

Stapper:1984:YMF
REFERENCES


Stanich:1997:PQE


Stapper:2000:LYM


Stathis:2002:RLG


Seraphim:1984:PAM


Stevens:1981:EMS


Steele:2001:UBB


Stillman:1979:SMB

REFERENCES

Stoll:1991:PPT


[Sto91]

Stroebel:1981:MRT


[Str81]

Strong:1968:AGR


[Str68]

Strohe:1983:LCN


[Str83]

Strickland:1959:TEC


[Str59]

Stuehler:1970:IMP


[Stu70]

Shave:2008:LDM


[STW+08]

Sugai:1959:NSL

REFERENCES


REFERENCES


REFERENCES


In electronic mail dated Wed, 27 Jun 1990 11:55:36 EDT, Guy Steele reported that an intrepid pre-SIGPLAN 90 conference implementation of what is stated in the paper revealed 3 mistakes:

1. Table 5 (page 124):
   insert k <-- 0 after assertion, and also delete k <-- 0 from Table 6.

2. Table 9 (page 125):
   for -1:USER!("");
   substitute -1:USER!("0");
   and delete the comment.

3. Table 10 (page 125):
   for fill(-k, "0")
   substitute fill(-k-1, "0")

Sanford:1998:ASL


Swanson:1957:CFO


Swanson:1959:DAPa


Swanson:1960:PVL

REFERENCES

Swanson:1961:NCP


Shea:1991:IVV


Shahidi:1995:CSM


Stahl:1974:DRS


Swenson:1962:TPD


Sigal:1997:CDT

REFERENCES


REFERENCES


Tarnawsky:1963:TTI


Tryon:1984:SFA


Tasman:1957:LDP


Taur:2002:CDN


Taylor:1957:MHL


Taylor:1979:PES


Taylor:1981:LGS


Taylor:1984:SAM


REFERENCES


REFERENCES

Treinish:1991:CVT


Tesauro:2012:SLO


Tosima:1964:ESM


Tromp:2011:PCL


Tzou:1980:CDM


Thiebaut:1988:FDI


Taylor:1985:PME


Tosima:1964:ESM


Tromp:2011:PCL


Tzou:1980:CDM


Thiebaut:1988:FDI


Taylor:1985:PME

Thoburn:1970:TCU


Thouless:1994:FMT


Thrasher:1965:NMF


Thun:1960:DA


Thompson:1970:TSF


Tibbitts:1993:FSC


Tideman:1962:CAN


Tiersten:1961:AMS

REFERENCES


REFERENCES


REFERENCES


Turgeon:1999:GGB


Taur:1995:CSC


Tang:2008:NSM


Tanase:1998:NBS


Tsai:2001:HBB

Trong:2017:DSM


Tu:1977:MKP


Todd:1978:AHM


Todini:1978:UDC


Toffoli:1988:ITO


Toffoli:2004:PIS


Takagi:2018:ESB


Toledo:1997:IMS

[Tol97] S. Toledo. Improving the memory-system performance of


<table>
<thead>
<tr>
<th>Reference</th>
<th>Title</th>
<th>Authors</th>
<th>Journal</th>
<th>Volume, Issue, Pages, Year</th>
<th>CODEN, ISSN, URL</th>
</tr>
</thead>
</table>
REFERENCES


[Tuc60b] A. W. Tucker. Solving a matrix game by linear program-
REFERENCES


REFERENCES

Takagi:1985:HSS

Twardeck:1977:EPV

Twardeck:1985:CRR

Tiwari:1990:CSH

Tian:2014:PRS

Tang:1989:FLS

Teng:2010:TPA
Thomas:1964:SCM


Takahashi:2014:MPM


Tateishi:2019:ASC


Tang:2011:GDS


Umbach:1988:NHS


Uttal:1962:SES


Urso:2012:ETI


REFERENCES

[vanderPool:1972:OSA]

[vanderPool:1973:OSAa]

[vanderPool:1973:OSAb]

[vandeLindt:1977:DTG]

[vanKampen:1988:RSN]

[vandenBerg:1989:ODS]

[VanHuben:1997:RTC]

[vonGutfeld:1982:LPE]

[Varma:1989:IRC]
Chaudhra M. Varma. Interim report on the charge-transfer resonance model for the Cu-O
REFERENCES


Varshney:2019:MLT


Vayghan:2012:PIE


Buttlar:2002:ZCE


Vranas:2008:MPQ


Vereecken:2005:CAD


Vassiliadis:1994:SSC

REFERENCES


REFERENCES

Vergnieres:1980:MGA


Verbruggen:1988:FQT


Vogel:1974:WLI


VanVechten:1979:ERN


Voldman:1981:SC


Vilkelis:1982:LRA

Vinal:1981:MSU

Viveros:2014:MVP

Vaidyanathan:2007:MNF

vonHagenow:1962:IFP

vonKanel:2010:TKE

Vogt:2009:IBQ

Vernizzi:2014:TCF
REFERENCES

<references>

**Victor:2005:FVP**


**VanHuben:2012:SCD**


**vonMunch:1966:GAP**


**Voldman:1983:FNS**

Jean Voldman, Benoit Mandelbrot, Lee W. Hoevel, Joshua

**Volker:1979:PHB**


**Vioules:2018:DSR**


**VanHuben:1999:PMV**


**Volken:1966:GAP**

Jean Voldman, Benoit Mandelbrot, Lee W. Hoevel, Joshua

Vaden:1994:DCP


Vogt:2014:ASP


Vu:2016:FCS


Voit:1965:DPL


vonMolnar:1970:TPE


Vora:1971:SSI


Valentine:2012:IZH

REFERENCES


VARSHNEY:2019:BDA

VASSILIADIS:1988:PEA

VOLK:1957:DTR

VONHORN:1957:DTR

VUOK:2009:UVT
REFERENCES

vonGutfeld:1998:EML


VanBlerkom:1965:ASD


Viswanathan:2009:EDD


Viecco:2009:PAA


Vida-Torku:1990:TGV


Vuillemin:1964:HFG


Vural:1970:HFN

B. Vural. High-field nonohmic behavior of the $p$-type ferromagnetic semiconductor Ag$_x$/
REFERENCES


vanEmdeBoas:1986:SEH


vanKempen:1986:AHS


Vlachos:2016:TIP


Vahtra:1978:EPH


Valentine:2002:ASE


Vaughn:2011:TEE


VanHorn:1990:LIC


**Wynne:1979:SBA**  

**Woolf:2015:MES**  

**Wazlowski:2005:VSB**  

**Ward:2009:TTB**  

**Warren:2016:MUE**  
REFERENCES


REFERENCES

CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

Washo:1977:RMS

Washburn:1988:FEC

Watanabe:1960:ITAa

Watanabe:1960:ITAb

Winkel:2004:FSL
Wolpert:2018:IZE


Wolpert:2018:IZE

Woodward:2010:AMS


Woodward:2010:AMS

Warnock:2015:IZC


Warnock:2015:IZC

Wilburn:1969:COA


Wilburn:1969:COA

Wu:1975:ALT

Winarski:1986:MDC


Wyman:2007:ZZI


Welbon:1994:PPM


Williams:2010:P


Wolf:2006:SRP


Wong:1982:DAS


White:1994:PNG

REFERENCES

West:2005:EP1


Webb:2000:MD


Weiser:1965:PGD


Weinberger:1979:HPL


Weinberger:1991:ADO


Welch:1961:DDM


REFERENCES


White:1993:CMC


Winkel:2009:PDC


Widlund:1967:DMP


Wiesner:1958:CSU


Wiederhold:1976:COS


Wiesenfeld:1990:ESH


Williams:1985:DIS

[Wil85] Thomas H. Williams. Design and implementation of the Se-
REFERENCES


REFERENCES

484–491, September 1986. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

Wong:1998:MPH


Warnecke:1973:RID


Webb:1997:HFC


Webel:2015:RPM

T. Webel, P. M. Lobo, R. Bertran, G. M. Salem, M. Allen-Ware, R. Rizzolo, S. M. Carey, T. Strach,

**Waicukauski:1989:MGW**


**Wang:2017:PMB**


**Wiederhold:1992:ASP**


**Walters:2015:IZP**


Wile:1997:FVC


Webb:2007:PSR


Wittern:2016:AHG


Wetter:1992:UNL


Williams:1991:VMD


Wu:2002:CSB

E. Y. Wu, E. J. Nowak, A. Vayshenker, W. L. Lai, and D. L. Harmon. CMOS scaling beyond the 100-nm node
REFERENCES


Mathematics of numerical computation.


Wootters:2004:PQP


Worledge:2006:SDM


Watteyne:2011:SCT


Wieder:1969:EBW


Webel:2012:SMP


White:1983:ITO


Wickramasinghe:1995:P


Wisnieff:2000:EDI

REFERENCES


[WSL90] D. Winkler, R. Schmitt, M. Brunner, and B. Lischke. Flexible picosecond...

**Webster:2017:PCS**


**Wahl:1983:HOI**


**Wong:1977:DMF**


**Wejchert:1991:VPN**

REFERENCES


Werner:1967:NFC


Weeks:1979:RIS


Wong:1976:DOM


Wisniewski:2003:ECD


Wyma:1957:TDP


Wyner:1964:NCB


Wong:1992:TCD

REFERENCES

Wyman:2004:MLC


West:1978:AVC


Wang:2010:BBS


Yamashita:1996:DRS


Yannoni:1971:MNM


Yanagisawa:2007:MAP

Yarter:2012:PCD


Yashchin:1985:ADC


Yashchin:1987:SAT


Yashchin:2007:MRL


Yaeli:2014:UCB


Yarmchuk:2005:LDS


Yadav:2017:USN


REFERENCES

0018-8646 (print), 2151-8556 (electronic).

**Young:1957:P**


**Young:1990:FEA**


**Young:1991:VSH**


**Young:1964:SES**


**Yeh:1999:CCC**


**Yocom:2012:IZU**


**Yam:2016:SPT**


REFERENCES

Zhang:2010:EEC


Ziegler:1972:NBA


Ziegler:1971:EEH


Zhu:2010:VPM


Ziegler:1996:IES


Zoellin:2018:NDC


 REFERENCES

Zable:1989:MPA


Zable:1987:FDH


Zipoli:2018:SMD


Ziegler:1996:TCR


Ziegler:1998:TG


Ziegler:1996:PTC

REFERENCES


Zyuban:2003:BHI


Zee:2007:ISZ


Zerfos:2013:PAM


Ziegler:1996:PFC


Zyuban:2013:IPD


Zuliani:2001:LR


Zakharov:2011:NDB

[ZVW+11] A. A. Zakharov, C. Virojanadara, S. Watcharinyanon,


