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(k) [HRR08a]. (ν) [Kam87]. (r_∞, $n_{1/2}$, $s_{1/2}$) [Hoc85b]. ($r_\infty, n_{1/2}$) [Tem89]. 0 [LLW+15]. 0/1 [CJ92, MS99b]. 1 [LLW+15, Tak03, Ume01, YL86]. 2 [AW13, BSE88, BAS13, Cap88, DZD01, EY86, Lee97, Mar92, MM96b, RVGG01, SA16, TT00, WSR14, YL86]. $2,576,980,370,000$ [Tak10]. $2k$ [DT95]. 3 [AAS13, AW13, BFG+07, BCMG+07, Bri95, BAS13, CDM06, CM95, Chr98, EGTD99, ER95b, EK98, FMS+06, GV01, GJS93a, HKL01, HSS07, HB84, KT97, KTN+14, KD13, KYLH01, Lee97, Lip99b, LCLL00, LPMD01, MW94, MDC+08, OCE+07, RVGG01, SHPA05, SSS99, TKG97, TA14, VvBv90, Wan09, YE94, ZLM98]. 4 [ER95b]. + [Lin94]. ^{3} [PB11]. // [C+01a]. $_c$ [KSM+94]. A [AND05]. $\alpha_{critical}$ [MOW95]. $AX + XB = C$ [EG94a]. c [BCYB11]. d [Tro00]. $d - D$ [BDK98]. D^3 [Evr01]. E^2 [KKŽ05]. E^3 [KKŽ05]. ℓ_1 [BE93c]. ϵ [BG97]. $f_{1/2}$ [HC89]. g [MS89]. I [CC98]. ijk [Ort88, OR88]. k [BDSd94, Bro88a, CCP98, Kon02, LS97, LS92, She92, TT00, YTCS95]. $L_1(L_\infty)$ [Jeo91b]. L_i [RSSS94]. LU [BFR93]. m [CGMM99, Zho93]. μ [SM13]. N [Gor97, LBWR90, Lip99b, Bro88a, CCP98, GS04, GKS98, HWYL89, YTCS95, SSB+91]. $O(1)$ [Wan09]. $O(2^{n/2})$ [Che08]. P [EW93, GLMBMPMV03, Koç97]. π [Tak10]. QR [AD14, AHW14, CTW14, KKW14, AB95, BHM+95, CG89b, GK92, Hen93, KC93b, Mat95, OW90, OHZ98, SOH94, Ste87, SNO99, WE94, Wri91, Zhu93]. s [CG89a, CS96]. S_n [ARW93]. $\sqrt{N}$ [HK90b]. τ [RGDM15]. WZ [YE95, KS87].

- [ER95b]. **-adic** [Koç97]. **-algorithm** [Ste87]. **-ary**

[Bro88a, CCP98, TT00, YTCS95]. **-bit** [Ume01]. **-body** [GKS98, LBWR90, Lip99b]. **-communication** [MS99b]. **-Cube** [GS04, Bro88a, HWYL89]. **-cubes** [CCP98, YTCS95]. **-cyclic** [EW93]. **-D** [Cap88, EK98, SSS99, Tak03, BSE88, Bri95, CDM06, DZD01, HSS07, HB84, KTN+14, LCLL00, MW94, MM96b, YL86, ZLM98]. **-decomposition** [AHW14]. **-dimensional** [LS92]. **-factorisation** [KS87]. **-factorization** [OHZ98]. **-graphs** [Gor97]. **-inversion** [MS89]. **-Lattice** [GAW96]. **-Lop** [RGDM15]. **-Machine** [Evr01]. **-means** [BCYB11]. **-median** [GLMBMPMV03]. **-meshes** [Tro00]. **-order** [AND05]. **-parallel** [Kat03]. **-processor** [BDSd94]. **-relaxation** [BG97]. **-selection** [She92]. **-SMP** [PB11]. **-square** [TT00]. **-step** [CG89a, CS96, CGMM99]. **-steps** [Mar92]. **-towards** [SSL03]. **-way** [EY86, Zho93].

/hypersonic [SOS97].

0 [TYKA95]. **'02** [AGPS03].

1 [ADE84, BNK15, RSRM96, Tem88, Tem89, WSL88]. **10** [MRJ89]. **10-P** [MRJ89]. **100/200** [TKI85]. **164** [Hoc89]. **1991** [BH92]. **1M** [HL88].

2 [BHM94, BRH90, But92, DCG90, DD87, FSY88, Hoc94, KN88, MSS+05]. **2-CPU** [Hoc85b]. **2.0** [LT09]. **2.0para** [LT09]. **200** [HL88]. **2000** [NU05]. **2006** [MTW07]. **2007** [KB08]. **2012** [SN14]. **205** [LN87, Riz85, Won88]. **25-processor** [FBMV88]. **26th** [Ano16k]. **2D** [HM97, MKK03, DT95, GJS93b, LSS88, RSSS94]. **2nd** [Ano88a]. **2S** [SV94].

3090 [Car88a, CK90, GSZ88]. **3090/VF** [CK90]. **3090E** [Web90].

4 [NU05, OKSY92, SKY93, SKS+95]. **40** [WSL88]. **48** [Meu87].

5 [BL94a, SNS+97, TM94]. **500** [Heg96]. **5E** [BEK95b].

6240 [KW90]. **6400** [Dun91]. **65064a** [HE88].

76 [HL88]. **77** [Sne88].

88j [HE88].

90 [CCL04]. **9076** [Bri95]. **93** [Ano94].

AADL [DD89]. **ABCLib_DRSSED** [KKHY06a]. **ABCLibScript** [KKHY06b]. **abstractions** [CCS03]. **accelerated** [ADF93, DN16, SSV+16, TDB10]. **Accelerating** [CZJS12, GB14, RSD16, TND10]. **Acceleration** [SWW99, YMJT10, BOV09, GPW+08, KS16, OYS08]. **accelerator** [BNS+07, HHGA15, YLW+13]. **accelerator-based** [BNS+07]. **accelerators** [ABB+16, cFM07, KP12, Luc01, WSR14]. **access** [BDS88, CZJS12, CDK+03, EHHS89, Sch91b, YZWcF14]. **accesses** [BS96, TGL02]. **accounting** [YX07]. **Accuracy** [MAM+09, DW00, Sun95, Zha91]. **Accurate** [AFD13, Moo04, YORO08]. **achieve** [SHN12]. **achieved** [NHS+95]. **achievements** [Gil94a]. **Achieving** [Taf01, CHLO85, NW96]. **Acknowledgement** [Ano08, Ano09a]. **Acknowledgment** [Ano10a]. **ACM** [Ano15a]. **across** [MD04]. **action** [WL13a]. **Active** [AKSS07, AGL08, CC00c, HK98, PCN10, WS98, TM94]. **actual** [LAS90]. **ad** [CWK09, SSS+05]. **ADA** [CCS87]. **adaptable** [PAD02]. **adaptation** [OBG00, WRS12]. **Adapting** [ADPV03, CS89a, KLP11, MRSB94]. **Adaptive** [AKK99, CZJS12, CTW14, CD00,

GP96, HM97, Las02, LFL11, MSE07, MB00, NC97, PSS01, RE98, RC15, YTCS95, BN01, BCCS07, BE88, Bur90, CS89c, DLM97, DLR94, DR95, DPSW00, DG05, GV06, GZ99, HM89a, HSÇ12, HM86, IDS16, Kd88, KU93, LLP00, LDK16, LR16, LOKM99, MQ89, MT00, MC09, Mic90, QCC02, SM13, SFB+97, THG98, TMCC02, TGE92, TCL92, THK14, TSJB00, WZS+14, WY11, MD04]. **adaptivity** [BFVRC14]. **addition** [VTmL03]. **Additive** [AO89, EG94a, LG09, PHD16]. **Address** [NZHY11, PEO16, SVC07, SSOB03, Vio04]. **Addressing** [RG92, Pan01]. **ADI** [AIIV98, RSK99, Wak04]. **adic** [Koç97]. **adjust** [BP97]. **Adjusting** [SWR+13, WC94]. **adjustment** [da 90]. **Admission** [GE11]. **Adoptability** [SC92]. **Advanced** [DDdS02, DDdSL02, HHGA15, KBGZ88, DSCP88, SXBD97]. **Advances** [NLG99, AC00]. **aerodynamics** [AKK16]. **aerospace** [Man01a, MZ01]. **AES** [FLYL16]. **affine** [BBC+11, BPK12, DR96, LL98]. **affinity** [CJLS14]. **after** [KC93b]. **AGE** [EC91, Eva91]. **Agent** [Y+02, CD98, MCB05]. **agent-based** [CD98, MCB05]. **agents** [BGP+97, LWG06]. **Aggregate** [LEH14]. **aggregation** [Beb97, SHN12]. **aggregation/ disaggregation** [Beb97]. **agreement** [CC93]. **aid** [BDS88]. **aided** [IJCL96]. **air** [BWZ95, DM97, OZ02, Zla88]. **aircraft** [A+01b, Ger94]. **airplane** [SYAU07]. **Aitken** [Eva89, LG09, MBC92]. **Aitken-additive** [LG09]. **algebra** [BLRR02, BLKD09, CWB92, CGG04, DGP+16, EL95, ES06, HH89, LN87, NE01, ORM+10, PWM00, RS88, TKC+14, TDB10]. **Algebraic** [CMP92, AB16, BR90, BBQOQO00, DQRR00, KS01, MW88, PHD16, Slo91]. **Algorithm** [CZJS12, MWH95, Sen91, YFK03, Ale94, Als01, ARW93, AM93, AB95, AT98, AL88, Aub11, BSH88, BBB+14, BAMK07, BFY06, BKS06, BE93a, Bar97, BW92, Bas94, BOV02, BO03, BOVG10, BE87, BT99, BEK+11, BE88, BDK95, BC91, BWW89, BF06, Blo03, BSD11, BE93c, BL93a, Bon91, BGM03, BCYB11, Bur04, CDRV97, CGG01, Cha99, CF93, CCS94, CC02b, CC02a, Che08, CJ92, CC95, CLSM98, CST02, CH92, CG92, CSW01, CFH89, DVP90, De 95, DEH+11, Don05, DUG+06, DZD01, EK92, EHE92, ES89a, EPMPU02, EY86, EB88, Eva90, ED91, EY94, FLW86, Far96, FHL87, FIMF99, GKT+15, GS89, GWLS05, GLG06, GV14, Gir02, GMMT16, GKAS91, GH98, GT90, GM89, GM03, GE93, HJ05, HMTX93, Han98, HJ97b, HP94, HS89, HT94, HM89c, HHH92, HC94, HB99, HP91]. **algorithm** [HM97, Hur93, Hwa04, HSN89, IB01, IOH05, IT08, Jeo91a, Jou89, KGS08, Kal92, Kan97, KK03, Ken99, KJA15, KL90a, KY94, KTN+14, KJA05, KN09, KCN99, KŠR04a, KŠR04b, Kra84, KKSS90, KS91b, KP93, KK94, KKB92, KSS06, Lec89, LSA+95, LE91, LM00, LMG09, LW11, LLW+15, LO92, LW15, LC97, MS98, MG95, ME84, ME93b, MM00, MP11, MMT07, MMS90, Miš98, MHH97, MR85, Möl99, Moo04, MSB91, MKC92, NM01, Nat90, NW96, NOS92, NSS15, O'L87, ORM+10, OV06, OW91, OWZ91, ÖS94, OHZ98, OW97, PG93, Par91, PW84, PYZC11, Pin91, Pis92, PGBF+07, PS06, PKR00, QJ06, Ram07, RW96, RH99, RE92, RMACG10, SOH94, SMK91, SL03, SM91, SK87, She95, SKC90, SLY90, Shy90, SML+14, ST95, Son94, SE93, SS87, Ste87, SMM90]. **algorithm** [SM88, Str08, SNO99, SW00, Sun95, SB92b, Tak03, TKK+05, TSCS14, Tem88, Ter13, TY91a, TCL92, TJJ93, TL94, VR95, VvBv90, VIHD90, WP88, Wak04, WWR05, Wan08, WZL09, Wan09, WL13b, WE92, WWT01, WSR14, Yal97, YORO08, YLE95, ZM88a, Zer90, ZK92, ZMMW90, Zha91, ZG16, ZG88, ZM88b, Zub90, dV94, dGR95, JTS+11, Ter10]. **Algorithm-level**

[CZJS12]. **Algorithmic** [DA06, ME89, AFPG12, DL04]. **Algorithms** [AGPS03, ASSS11, AGKS15, AGKS16, BDG+10, BFR93, CGNR06, FYEHP89, HFL+10, PMMAM10, Tap84a, ALNT04, AAB+06, AD14, Arb92, AJ89, AV15, AU88, AGGG06, AB16, BM08, BCVC05, BO91, BHK89, BS97, BEDdC16, BP95, BE93b, BGSS14, BAR98, BGMT00, BA95, BWL00, Bog92, BFVRC14, BDSV98, Bro89, BLKD09, CMT04a, Cal96, Car88a, ÇFG+12, CZ91, CDBL08, CJBK93, CCJ90, CC91, CL92, CL02, CDW95, C+01b, CGM+92, CR90, CKM93, DLM97, DDP90a, DDP90b, DY91, DN16, DM04, DQRR00, DSS86, DFH+13, DAD11, DR02, Eck90, Ekl04, EAR93, El 93, ESV10, ES88, ER95a, ER95b, EG92a, EM85, EM88, EA95, Fie96, FOH87, FJS85, FB91, GK03, Gen84, GV11, GJMM89, GAR15, GAMR03, Gor97, GM07, GPS+08, GK04, HKSK97, HA05, HCJ03, HM89b, HW91, HI92, HCK94]. **algorithms** [Hot89, HWW92, HK90a, HK90b, HC92b, HK91, IR93, IKK15, JW09, JG93, JWS13, Jor86, KB85, KN88, KH95, Kd88, KKW14, KKU16, Kas85, KBBC88, Kat86, KLP11, KH92, Kim90, KC91, Kim98, Kon02, KST02, KU93, KKB93, LSS05, Lah00, LPM11, LAHM14, LNS03, LR04, LF89, LBWR90, LFL11, Lin91b, Lin01, Lip99b, MKS91, MR89, McB88b, MF16, MCG98, MNS87, MRSB94, MS90, MOF04, MRJ89, MGSK88, MWR95, Mun99, MB00, MO99, NA08, NZ92, Num05, OW90, Obe85, Ols95, OW94, PS89a, Pet84, PVP08, PD11, PB94, Qui88, RR89, Reg01, Rib84, RV96, Rod85, RRS+00, Ron84, RS87, RR14, SN88, SS02, SSY02, San99, SST09, SMT+04, SB96, SB94b, SAWH88, Sha06, SKC90, SC92, Sim91, SSN04, SE87, Sto89, Stp93, Str87]. **algorithms** [Swa84, SWC99, TS02, TTH95, TPK+13, Thu92, TSJB00, TCT00, TCS04, Trä95, TL96, TO89, Tyr90, VP95, VTmL03, VB92, VL05, WC00, WRB97, Wat00, Wen95, WC90, WSB90, Wri91, WS94, YK06, YK08, dCC89, tV96, ML00]. **algorithms-description** [CR90]. **alignment** [DEH+11, OGC+15, Ste13, TS09]. **all-FPGA** [SDMS12]. **All-pairs** [SA13]. **all-reduce** [PGW16]. **all-row** [GYH94]. **Alliant** [WSL88]. **allocation** [AL93a, BEDdC16, BCRSR11, CLZ01, DHL07, EG90, GPC88, GV08, HM02, HMH+13, JSC97, KSP97, LLL10, NL98, SS94a, SSS+09, ZYZ+16]. **allocators** [RDS13]. **allowing** [CRGR+13]. **almost** [PG91]. **alpha** [HSN89]. **alpha/beta** [HSN89]. **Alphaserver** [WBS06]. **Alternate** [HW94, DWX+12]. **alternating** [BE92, EC91, Mei86, ZL94]. **Alternative** [GGFF93, Trä12, CGMS94, KJA05]. **Alternatives** [Rot95]. **ambulance** [GLS01]. **AMC** [HHGA15]. **Amdahl** [MOW96, YMG14]. **AMG** [Ema10, MX07]. **AMG-preconditioners** [Ema10]. **among** [CHLO85]. **AMT** [Hil92]. **analog** [PB98]. **analyses** [CI98, FA11]. **Analysis** [ADGS10, DZM+13, EO91, KD97, LOKM99, MRT93, PCA01, San99, SNK06, SDv98, VJ12, van87a, AGL08, ALD01, AZ98, AKSS07, AKK99, AW13, BM08, BP93, Bjø87, BOS+09, BDS88, Bro86, BOG15, CMT04b, CC96b, CMPM+15, CC92, DWB99, DLPS92, FHK+15, Feo88, FGHB94, GLP08, GP90, Gir02, GKAS91, GLP98, GT07, GT90, GZTR07, GMS04, GT92, HMTX93, HKW13, HW91, Hil92, HSFS14, IR00, IHM+12, JAA06, JPK+15, JCE96, Kat01, KCG08, LR04, LSA+95, LR99, LGD+15, Lin08, Liu98, MSE95, NS02, NA08, NL98, OAJ+16, Pis92, PVP08, Psa02, QCC02, RRS+00, SNS+97, SBM+98, SHN12, SHCS86, SFB+97, SMJ15, SV97, Stp93, TPK+14, TFS91, TA14, WE97, WOKH96, YNO97]. **analytic** [MWR95]. **Analytical** [TDW+04, GPZ08, JMLBL98]. **analytics** [CC16, CLJ14]. **Analyzing**

[BEDdC16, HHOMR06, HG12, LGC97, OKF16, RDS13, YS96, AKP+98, MM96b]. **ancestor** [LO92]. **AND/OR** [VKH99]. **aneurysms** [PIG+16]. **Angela** [Hol11]. **angular** [FSY88]. **animation** [CDV08]. **anisotropic** [MSV15, Oli96, PMLT03]. **ANN** [KK94]. **annealing** [AC89, BL93a, Dod90, DW00, JK91, LR16, MG95, WWR05, YLE95]. **annihilation** [Meg90a]. **annotations** [AAA16]. **anomaly** [Lin91a]. **ant** [KŠR04a, KŠR04b]. **ant-colony** [KŠR04a, KŠR04b]. **anti** [CDRV97]. **APE** [Rap99]. **APE100** [GLS99]. **APEmille** [Tri99]. **aperture** [FFLV96]. **APGAS** [HXCZ14]. **apid** [FD02]. **Application** [Hem94, KP12, LMH08, PY00, PMAL14, Sun95, WZV+16, AAO13, ADMV05, ADR+05, ADE84, BM93, BMS01a, BOS+09, CLC08, CRGM16, DUG+06, DL06, Gao87, GPW+08, KNTG08, LV92, LF88, MAM+09, NMW93, ORS90, OCSBY01, OCPT97, PAD02, SSS99, SFSV13, SF91, STT94, TB03, VR95, VCK+11, WBPM97, YSBM97, MPZS13]. **Application-aware** [PMAL14]. **application-centric** [SFSV13]. **application-level** [CRGM16]. **Application-specific** [MPZS13]. **Applications** [AGPS03, ASSS11, AGKS15, AGKS16, BDG+10, CGNR06, DMWW88, FG01, OSZ93, Sod02, TFV16, AAB+16, AQ93, AK89b, AFD13, AMMV98, BDPV99, BH14, BMS01b, BFL+01, BRWL09, BDNP11, BCRSR11, BOV09, BFVRC14, BCC+97a, BCC+97b, BK07, CMT04b, CTS02, CMSL06, CAA98, CHR00a, CSB00, CMPM+15, CL92, DDdSL02, DCD97, Dec00, EHR+98, Emm84, DST15, FAS02, FBAB13, FA96, FMM+02, GWWM09, GW08, Gra91, GPS+08, GAPZ00, HL97, HA05, HCT16, HCH+96, HAJK01, HST87, HKN89, HTB01, Kan97, KST02, KKSS90, kLH95, Li89, LTV96, MD04, MKL+01, MCB16, MSMC15a, MZ01, MHL06, MCG+12, MW88, NAC+14, NS02, OID+12, PK05, PSS94, PRR03, RDS13, R+00, RHM+88, SKST08, SDMS12, SHN12, SMJ15, Sol88, ST88, SC05, SR10, TS02, TTH09, Tor91]. **applications** [Tou02, TF98, THK+99, Van02, VV07, WH97, WYT+16, WLN+96, WOKH96, ZEgT04, dSS09]. **applicative** [OM90]. **Applied** [Ano87, BCG00, BP02, Dod89, GG10, HWB92, ML00, RGBC11]. **Applying** [LQ92, SMC16, Bur04]. **approach** [ADGS10, Bek95a, BC97, BR99, BCS15, CA92, CRGM16, CDM+10, DF91, DFRZ02, DL05, EGTD99, FHK+11, FM15, GO88, JMLBL98, KPL+12, Kot97, LCLL00, MGSK87, MWR95, NA03, NC97, PAF+97, PB98, SHPA05, SB94a, SLC+16, THG98, TRSHB04, VV07, VBS+15, VFG12, WA03, WJK98, Web90, Wol89, YWP11, ZLJ93, ZGG92]. **Approaches** [Kut02, BN01, GJMMS97, GLP98, Lau93, SER90, Tyr90]. **Approaching** [MSOCG+16]. **approximate** [CC93, Dağ07, Gur88, HRR08a, Mil01, TLS16]. **approximately** [SSH97]. **approximating** [RH13]. **Approximation** [Lah00, Mun99, BG91a, BE93c, Cor00, KS91b, MKC92]. **April** [Hol11, WBD99a]. **AR-modified** [GGFF93]. **arallel** [FD02]. **arbitrarily** [BPK12, Wag89]. **Arbitrary** [DZ90, MJ94, RV96, SSB+91]. **arc** [CSEK03, KH95]. **Architectural** [VJ11, Web90]. **Architecture** [Ano16k, ALTZ02, CGG04, DZ90, Ger04, KR10, KU93, LF00, Wat87, AB02, AK89b, Cho92, DFR92, DWH+08, DEH+11, DAG+09, EBSS94, Ekl04, Evr01, FFLV96, AKK16, GP86, GWWM09, HISS92, IM88, JHSV02, Jou89, KSS06, KAD09, LNLK13, Lil94, MO89, MF16, MP95, NFG+13, SKS+95, SKG02, SCD92, Sod02, SSGF00, Tre85, Tre88, WMCU97, WE93, WE94, WRS12, Y+99]. **Architecture-independent** [LF00]. **Architectures** [BWL00, HFL+10, SYP13, ARCH05, Ale91,

ABB+16, ADPV03, BZ99, Bjø87, Bog92, BCS15, BCMSW03, BCMSW04, BLKD09, ÇFG+12, CDZ+98, CCJ90, CLSM98, CS89b, CG92, CDGI15, CRT89, DD89, DR94, DFO93, DEGS95, DSCP88, DvdG92, Erc88, FR95, Gao90, Gil94b, HHK95, KK11, KZV97, Kut02, Kuz98, LD99, LGD+15, LTV96, MS00, Mat95, McB88b, MD88, NS11, NZ92, ORM+10, PMS+13, PS89a, PB11, RP85, SS89a, SSB12, SKH+12, Sel95, SS04, Sol88, TB07, Uhl96, VKS+15, WSR14, YMJT10, ZMMW90, vCd90]. **architectures/algorithms** [LD99]. **Area** [RKS92, FGG+98, FCM03, KBG+01, MSM98, NFG+13, SB97]. **area-** [NFG+13]. **Argonne** [BRH90]. **Argonne/GMD** [BRH90]. **argument** [GF13]. **argument-based** [GF13]. **Argus** [ZP16]. **ARIAL** [FD02]. **arising** [GKT+15]. **arithmetic** [DS93, Sch87, SS87, Tak10]. **Arnoldi** [HRT07]. **Array** [Lin91a, ARB94, ARB95, Bek95a, BR89, Bol86, CCCP92, CCL04, CC99b, CMM+88b, EB88, Eva92, FF92, FYEHP89, GS06, GNY00, GE92, Hil92, Kak88, Kal92, KS07, KLS+88, LC02, LL90, Lin91b, McC89, PS89b, PRW88, Ris90, SS91a, SB95, Son92, TTH95, Tor91, WW95, WE93, WE94, YL86, Num05]. **array-based** [McC89]. **arrays** [ABGC+14, ACC+88, BE93a, Bar95, BR90, BP90, BK97, CS89a, CJBK93, CC91, CMP92, DY91, DS93, DS92, EM86, EM87, EG92b, EG94b, FMB98, GE93, HI92, HCL05, JWS13, KL00, KC93a, Lin90, Lin91a, Lin94, LT90, MM96a, ME89, ME90c, MBK12, MS89, ONOK13, RF90, SOS97, SSH97, TH89, WB88, ZLJ93]. **art** [LR88, SKH+12]. **ARTE** [MPZS13]. **articulation** [KH95]. **Artificial** [Loh96, BJSN04, CH92, Fah85, Mar95, Sin90]. **ary** [Bro88a, CCP98, TT00, YTCS95]. **Asian** [SÖB07]. **ASIC** [vCd90]. **Aspects** [GWC+99, BWZ95, CW97, CEM+99, DL04, DNL15, EV89, Hol95, JG93, KPS90, LBL95, kLH95, LTV96, Par87b, Ron84, STKA96, WRB97]. **assembly** [EL16]. **Assessing** [HBH+16]. **Assessment** [KR10, MT95, PTK04]. **asset** [CDM+10]. **asset-liability** [CDM+10]. **assets** [ZCPT00]. **Assigning** [MT91]. **Assignment** [DN16, LW15, BTZ06, FYEHP89, GHM97, KY98, LC02, LX00, LZCT15, MT95, Man01b, MT89, ME90b, SS91b, Tai91, TN13, WS94]. **assimilation** [Ran97, TL96]. **assist** [PB16, Van02, VV07]. **assisted** [NS11]. **associated** [SSD01]. **association** [VA14]. **associative** [ARZ97, DM90, DS92, MP92, Mar95, PPZ93]. **assumed** [BFY06]. **astronomical** [dCC89]. **astrophysical** [Sug99]. **asymmetric** [GBH98]. **asymptotic** [WZCG14]. **Asynchronous** [El 93, FB91, HM89a, MQ89, WE91a, ATT89, BM93, BCVC05, Bai99, BP93, BP95, BG97, BC91, CZ91, CGM+92, CGOP03, CB09, DCR+16, ED91, GAR15, HP97, HWB92, RRS+00, SB96, SK87, Son94, ÜD89, Wei93, ZDE95]. **ATCOR** [BRS+08]. **ATLAS** [WPD01]. **ATM** [Sab97]. **Atmospheric** [Adr99, AFG+97, DS96, HLDS95, KNTG08, MSW98, MSV15, PFS+04, PODd16, SB97, WME+95]. **Atomic** [BCA08, SSV+16, BF92, DS13, LWG06]. **attacking** [BF06]. **ATTEMPT** [TYKA95]. **ATTEMPT-0** [TYKA95]. **attention** [GH98]. **attribute** [CRGR+13]. **Auction** [AGGG06, BC91, PB94, SSB12]. **auction-based** [SSB12]. **augmented** [HCTH05, MLX07]. **August** [Hol11]. **Author** [Ano84a, Ano01, Ano02a]. **auto** [KKHY06b, KKHY06a, CCGG14]. **Auto-tuned** [CCGG14]. **auto-tuning** [KKHY06b, KKHY06a]. **Automata** [ATT92, ATT89, AvHL+97, BMS01b, BMS01a, BM01a, BMA06, CDR+95, CCEJ01, CFMM97, FMS+06, Hee97, KVW97b, MHK97, M+00, MCM01, OCSBY01, SBZ04, Sut97, Wei97, Wei01, Yan04, KVW97a]. **Automated** [CQ97, WPD01]. **Automatic**

[AKNS91, EJLC97, EJLC00, Fis90, GAPZ00, JIC96, LF98, MS99a, RW89, VFG12, APBcF16, AvHL+97, AART13, AGK98, CMT04b, CMSL06, CDGM96, GAMR03, GF13, Has01, HM01, KBGZ88, LMJC96, LCD91, SM13, SFB+97, ZBG88]. **automatically** [CGG04, Glo95a, Her00]. **Automating** [Xue94]. **automaton** [Ume01, WNES01]. **automotive** [Gin99]. **Autonomous** [DMT06]. **Autotasking** [EO91, Nag90]. **availability** [BDF+00]. **average** [Tap84b]. **averaging** [CGG01]. **avoidance** [CZTS99, CSH+11]. **Avoiding** [WLYJ13]. **Aware** [HVA+16, CDA+16, DCN+15, FCC16, HCT16, HG12, JWS13, KBG+01, LFS14, MSMC15a, NB12, PMAL14, RR16, ZP16, ZYZ+16]. **awareness** [BHR09, SS04, VGS14]. **axis** [Wan09]. **axon** [WS04].

back [CS89b, MMC97]. **back-propagation** [MMC97]. **backplane** [SP94]. **backprojection** [RW98]. **backpropagation** [WZ90, ZMMW90]. **Bag** [dSS09]. **Bag-of-Tasks** [dSS09]. **Balance** [EY90, ORM+10]. **balanced** [BF95, BM01b, CG92, Gor97, GH92, LZ00, SSH97, TRLD13]. **Balancing** [SG16, BMP15, BCPB05, BP97, BS05, Bog92, CE94, CS00, CG87, DLM97, DR93, DLR94, DR95, Dec00, DG90, DFM99, DPSW00, EB93, EB94, FMD98, FG96, GGV04, GPS03, HL97, Hor93b, HB99, JH97, KNP97, Koh95, MD04, MMT07, MCG+12, MSE07, MZ95, NC97, OBG00, PRR03, RCAP11, San99, SSLK00, SGS95, Son94, TSJB00, VR95, YEC97, YSBM97, Zam99]. **band** [CS87, MMS90, ZVWS88]. **banded** [Con89, DG95a, DS84, DJ87, EM88, HS90, Lan96a, Mei85, MP11, PS06, VB95, ZM94]. **bandsymmetric** [Arb92]. **bandwidth** [CD00, LNLK13, SST09, ZYZ+16]. **Banerjee** [CC00a]. **banks** [GGL+05]. **banyan** [MO89]. **Barnes** [GKS98]. **barrier** [AJ89, FK98, Nic95]. **barriers** [Axe86]. **base** [DFRC94]. **based** [AK89a, ALH+14, ARZ97, ACLN03, ALTZ02, AKP+98, AATK10, BS00a, BN01, BBL+16, BM01a, BVP+89, Bar12, BCB02, BFG+07, BNS+07, BDH95, BFVRC14, BI07, BJSN04, BDK06, Bra88, BRS+08, Bri95, CRGR+13, CDDG93, CCEJ01, CAC+09, CD98, CCCP92, Cv98, CL05, CV02, CKS03, DCR+16, DP00, DFRZ02, DAG+09, DGP+16, EJLC00, FLYL16, FHK+11, FA11, FGHB94, FMS+06, Ger98, GMMT16, GF13, GHH+03, GZ99, GLD08, GVH08, GK04, GPZ08, Haa98, HSÇ12, HJ97a, Her00, HST05, HM86, Hot89, IR93, Jou89, JMA+13, KK03, KPL+12, Kog85, KM89, KS01, LJD93, LAHM14, LSA+95, LS90, Li89, LLL10, LZCT15, Lop93, LPAZ97, LBH07, MP92, MPZS13, MCB05, McC89, MMT07, Miš98, MRSB94, MCG+12, MKL+88, NMMG13, Num05, OAJ+16, ÖW10, OGC+15, PB98, PK05, Pel97, POHS14]. **based** [PHCR05, PGG11, PSF+15, PGW16, RBS10, RVD10, SSSG03, SSB12, Sch92, SSS99, She95, SML+14, SSS+09, SSN04, SIH14, SW03, Tak06, TKK+05, TLS+08, TSCS14, TB07, TND10, TE92, VP95, VFG12, VRGÁ15, VKS+15, VK92, WWR05, Wan09, WL13b, WL14, XXQ+15, YMJT10, Y+99, YTSI13, YTCS97, Y+02, de 96, Lin91b]. **Basic** [DT95, DLdS06, LN87, HM89a]. **basins** [WFW+11]. **basis** [Bak00, GPSK09, KS91b, LSS05, Uhl96]. **batch** [BM11]. **Batching** [JSC97]. **Bayesian** [SYAU07, YMJT10]. **BBN** [PBTC89]. **BDSC** [KJA15]. **be** [FLW87, Par86]. **beam** [LPCA98, OIH10, SCCPM14, SKH+12]. **beamforming** [GMF00]. **bearing** [TB03]. **bee** [BW01]. **behavior** [AAO13, AFD13, Beb97, CBP+07, TCS04]. **Behavioral** [FKPB15]. **Behaviour** [HK98]. **BEM** [BCS15]. **Bench** [NL91]. **benchmark**

[BCL91, BOS+09, GSE+15, KK92, MKL+01, Oed92, van91]. **Benchmarking** [AGH+94, MHL06, NL91, Gin99, HL88, Hoc91]. **Benchmarks** [Xu07, But92, Dix91, Hey91, Wei91]. **Benders** [NZ97]. **Beowulf** [DWM+01]. **Bernoulli** [ME90a]. **Bernstein** [MSE93]. **Best** [Ano15a, SN14, TO89, Uhl96]. **best-bound-first** [TO89]. **beta** [God00, SHCS86]. **beta-networks** [SHCS86]. **better** [SG91]. **between** [BL93b, BK97, DW99, LKGD16, MSP93]. **Beyond** [DM90]. **bi** [BSD11, MMT06, VP94, BP02]. **Bi-CGSTAB** [BP02]. **bi-diagonalization** [VP94]. **bi-objective** [BSD11, MMT06]. **biased** [SR97, Zam99]. **bidiagonal** [GL99, Kuz98, Lan96a, LPNJR96, TND10, VP94, Yal97]. **bidirectional** [MP92]. **Big** [LK14, PFTB15]. **big-data** [PFTB15]. **biharmonic** [LV92, MS04b]. **binary** [AJ95, AND05, AFS14, Cho92, LH02, SGS95, Tou02, Ume01]. **bindings** [VGRS16]. **binomial** [DP00, Ger04]. **bio** [GHC04, HR04, RD07, RBS10]. **bio-computing** [GHC04, HR04]. **bio-inspired** [RBS10]. **bio-molecules** [RD07]. **bioinformatic** [JBC+04]. **bioinformatics** [DEH+11, OGC+15, SKST08, VRGÁ15]. **Bioinspired** [HFL+10]. **biological** [ORS90]. **biologically** [HSR+14]. **biology** [BA08]. **biomedical** [Rob99, SHCR98, TRSHB04]. **Biomolecular** [BWT+08, AAV08]. **biomolecules** [SSS92]. **bipartite** [AB16, LPM11, LAHM14, SKC90]. **bisection** [VR95]. **Bit** [TLS16, PS89b, SAOKM01, SR97, SWSG92, Ume01]. **bit-level** [PS89b]. **Bit-parallel** [TLS16]. **bit-reversal** [SAOKM01]. **black** [BP02, SS88]. **BLAS** [DMWW88, Lip99b, LN87, Phi91]. **BLAST** [HMS+07, YZWcF14]. **BLAZE** [MV87b]. **Block** [ER95a, ME93b, BOV02, BO03, BOVG10, BDK95, BF06, BVWH14, BP02, BM90, CTW14, DNL15, DAD11, DS05, DR02, EY90, Fie96, GS89, HS90, HRR08a, Hwa04, KGS08, LC02, LKHL03, Li97, MW11, Meh93, MAD+16, O'L87, OV06, PG91, RM97, RR16, Sch91b, SZ02, SE98, Ter13, WB88, WE94, Wan09, van87b]. **block-algorithms** [Fie96]. **block-based** [Wan09]. **block-compressed** [BVWH14]. **block-cyclic** [Hwa04, LC02]. **block-diagonal** [KGS08]. **block-ILU** [HRR08a]. **block-Jacobi** [BOVG10, OV06, BOV02, BO03]. **block-level** [MAD+16]. **block-oriented** [LKHL03]. **block-preconditioners** [DNL15]. **block-sparse** [RR16]. **block-tridiagonal** [SE98, Ter13]. **blocked** [AHW14]. **Blocking** [NSS15, BO03, BCS15, HGLR07, KS01, PHCR05]. **blocks** [HRR08b, Mar14]. **blockwise** [Bai99]. **blood** [GGFF93]. **Blue** [WZV+16, BJV+16]. **Bluestein** [SSB+91]. **Board** [Ano02b, Ano02d, Ano06, Ano02c, Ano02e, Ano03a, Ano03b, Ano03c, Ano03d, Ano03e, Ano03f, Ano03g, Ano03h, Ano03i, Ano03j, Ano04a, Ano04b, Ano04c, Ano04d, Ano04e, Ano04f, Ano04g, Ano04h, Ano02f, Ano09b, Ano10b, Ano11a, Ano11b, Ano11c, Ano11d, Ano11e, Ano11f, Ano11g, Ano11h, Ano12a, Ano12b, Ano12c, Ano12d, Ano12e, Ano12f, Ano12g, Ano12h, Ano13a, Ano13b, Ano13c, Ano13d, Ano13e, Ano13f, Ano13g, Ano13h, Ano14a, Ano14b, Ano14c, Ano14d, Ano14e, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j]. **body** [CDV08, GKS98, LBWR90, Lip99b, Sug99]. **Boeing** [FMS01, MKL+01]. **Boltzmann** [AK89a, CGK+16, DF91, DFR92, DFO93, FHK+11, FHK+15, HWB92, OKTR13, Sch92, SP93, XT11]. **bone** [TA14]. **Boolean** [HWYL89, Sen91, WP88]. **Boosting**

[MC09]. **bootstrapping** [GAA+13]. **bordered** [DS05, VP94]. **bordering** [Eva92, LE91]. **both** [Hsi06, LF00]. **bottleneck** [RG92]. **bottlenecks** [HC89, JKHK08]. **Bound** [GMMT16, BCG00, CC92, Chr00b, DM03, DFRC90, DUG+06, GK92, MD04, MT90, MMT07, SDMS12, TO89, ADMV05, Lau93]. **bound-constrained** [DM03]. **boundary** [DL92, Dav88, Gol88, GW87, Kie91, Lop93, MPJ03, PG93, Pir93, Pir96, RW96]. **Bounding** [CRD02]. **bounds** [LMKH97]. **box** [SS88]. **BPC** [LY93]. **BPC-permutations** [LY93]. **Branch** [BCG00, GMMT16, DFRC90, DUG+06, MD04, MMT07, Ral03, TO89, ADMV05, Lau93]. **Branch-and-Bound** [GMMT16, BCG00, DUG+06, MD04, TO89]. **bricked** [MSE07]. **bridges** [HHH92, SS89b, ZM88b]. **bridging** [NMMG13]. **Bringing** [Col04]. **Broadband** [BAMK07, BAK09, KR10, PMMAM10, SKST08, CD00]. **broadcast** [BT99, GT92, HT92, HK90a, Jia09, LS98, SST09, Sim91, THK+99]. **Broadcasting** [BMT92, CL92, CHH+01, GP96, ST02, ZM96]. **broadening** [HK91]. **Brokering** [BG07]. **Bruijn** [Bar97]. **BSP** [BJvOR03, BI07, DHS00, GS01, Ger15, HMS+98, IB01, JHSV02, EB98]. **BSPlib** [HMS+98]. **bubble** [MP87]. **Buchberger** [Sen91]. **bucket** [JON08]. **buffered** [Lin93]. **Buffering** [Sor84, BL99, MC09]. **build** [DFRZ02, EL95]. **Building** [BGWW97, CMT04a, HRR08b]. **built** [DK01]. **bulge** [KKW14]. **bulge-chasing** [KKW14]. **Bulk** [KS99, PM03]. **bulk-loading** [PM03]. **bursty** [SP97, WL98]. **Bus** [ZKCL04, BV04, FHKZ88, Kat01, Tak06, THK+99, WH94, VP95]. **bus-based** [Tak06, VP95]. **bus-connected** [BV04]. **buses** [LPH00]. **butterfly** [Bro87, TTH95, Tou02, PBTC89]. **BVP** [GH89]. **bypass** [SP97, WL98]. **bytecode** [A+01a].

C [ATA+16, Hol11, FSCL06, Son86, WSL88]. **C-1** [WSL88]. **C2** [SM13]. **C90** [Oed92]. **CA** [BW01, FGS97]. **CA-like** [FGS97]. **Cache** [GM07, APPG15, BGR00, CD00, DG94, HCT16, LFS14, MSS+05, PSS01, RH13, SIH14, YB11]. **cache-aware** [HCT16]. **Cache-efficient** [GM07]. **cache-oblivious** [YB11]. **cached** [LBH07]. **caches** [AFD13, RB14]. **caching** [AKSS07]. **CAD** [CAA98]. **Calculating** [Fre89]. **calculation** [ALH+14, BWT+08, DL04, FSY88, LCLL00, NHS+95, SMC16, Tak10]. **calculations** [ABB+11, BF92, Ber00, DD87, FGHB94, GSMY+07, HH91, PGK+00, RKMJ10, SB94a, Sil88]. **calculators** [Hee97]. **calculus** [HL99, VP92]. **Calendar** [Ano84b, Ano97]. **calibration** [God00, WWT01]. **CAMELOT** [DS03]. **can** [FLW87, Par86]. **cancellation** [LHS13]. **capability** [HISS92]. **capacitated** [GPS03, Ral03]. **capacity** [JSC97, MLM+00, ZLPF16]. **CAPDYN** [Pry97]. **CAPTools** [IJCL96]. **car** [CLL99]. **carbon** [PODd16]. **cardinality** [AB16]. **Carlo** [vS92, ACC+88, BSH88, BLFT84, DP95, FHL87, FHJ+84, GPW+08, HA97, HSFS14, Ken99, LM00, mM94, MD88, MAM+09, MB88, ÖW10, ZLM98]. **CARP** [GG10]. **carried** [BCR00]. **Carrying** [SR14]. **case** [AFY+16, AMMV98, AGK98, Ber00, BF06, CDM06, Chr98, CLZ01, GJS93b, Kas84, Liu98, LF88, MMT06, MAM+09, MST94, NAC+14, Oli96, RSK99, SEAH+08, SSLK00, Sod02, Wal01]. **cases** [SMP11]. **cationic** [STKA96]. **causal** [PLY02]. **cause** [SMJ15]. **cavity** [Ste88]. **Cayley** [BT99, GHM97, LJD93]. **CC** [HK02b]. **CC-NUMA** [HK02b]. **ccNUMA** [SSGF00]. **CDC** [LN87]. **CELIP** [Has90]. **Cell** [BMA06, BL94a, Hat06, HHSM88, LF88, MII+11, Ume01, KAD09, BAMK07,

BAK09, KR10, PMMAM10, PTS+12, SKST08, WRS12]. **Cell-centric** [BMA06]. **Cell/BE** [PTS+12]. **cells** [AIIV98, GE92]. **Cellular** [ATT92, BMS01b, BMS01a, KVW97a, OCSBY01, SBZ04, Wei97, ATT89, AvHL+97, BM01a, BMA06, CDR+95, CCEJ01, CCCP92, CFMM97, DS03, FMS+06, Hee97, Kat86, KVW97b, MHK97, MZ04, MCM01, Seu85, Sut97, Ume01, WNES01, Wei01, Yan04, Has90]. **Cenju** [HCH+96]. **Cenju-3** [HCH+96]. **centrality** [SSKÇ15]. **Centre** [Kau94]. **centric** [BMA06, CFD+16, RH12, SFSV13]. **Centroid** [PJV00]. **centroidal** [JDG02]. **CEPROL** [Seu85]. **ceramics** [LVC16]. **CFD** [A+01b, DK04, Ema10, EK98, FMS01, FR95, GKKS01, HAJK01, IUY+04, Taf01]. **CFD-codes** [Ema10]. **CFD'92** [Str92]. **CFD'93** [Heb93]. **CG** [ABB+16, BRS97, GG10]. **CG3DR** [WCKM11]. **CGSTAB** [BP02]. **chain** [Bur90]. **chaining** [TE92]. **chains** [Beb97, Reg01]. **challenge** [CDK+03, Hoc94]. **Challenges** [Che98b, GScFM13, Gin99, KCG08, MP08b, Sch95]. **Chamfer** [ER95b]. **Chan** [SPW+15]. **change** [CS00, TL94]. **Changes** [Ree07, TKG97]. **channel** [FT93, HT92, SF91, Xu07]. **channels** [CWK09, N+00]. **Characterising** [BS96]. **characteristic** [SK91]. **characteristics** [AAV08, PGAA16]. **Characterization** [FSKF06, FCM03, HMP+16, HWYL89]. **characterizations** [BCL91]. **characterize** [HC89]. **Characterizing** [GScFM13, TYSF13]. **chasing** [KKW14]. **Chebyshev** [GR02]. **check** [ARCH05]. **checking** [BSK03]. **checkpointing** [CQ01, GAR15, HW02, PY00]. **checkpointing-recovery** [CQ01]. **Chemical** [BGL+88, DS96, DF00, NMW93]. **chemistry** [AC00, BS00a, Les00, NRN00, R+00, SSGF00]. **Cheyette** [God00]. **Cheyette-beta** [God00]. **Chinese** [KC93a]. **Chip** [SYP13, AFY+16, LNLK13, NMMG13, PMS+13, Tak06, GP86, AAS13]. **chips** [WLYJ13]. **Chiral** [EHN99]. **Cholesky** [BO91, Con89, DG95a, GP90, GHNL87, GLN89, Haa98, LKHL03, LC99a, Liu86, Ng93, RSD16, Stp92, YPL12, ZE92, ZG88]. **chopping** [PG93]. **chromium** [LBH07]. **chromodynamics** [BH99]. **chromosome** [BMCA98]. **Chunked** [ONOK13]. **Chunks** [RR14, RR16]. **Cilk** [AV15]. **Cimmino** [Slo91]. **Cinema** [OAJ+16]. **circuit** [SM91]. **circuits** [Tor91]. **circulant** [Far96]. **circular** [KT97, KH95, SKY93]. **circular-arc** [KH95]. **circulation** [JKH95, MSW98, WME+95]. **City** [ER95a]. **class** [Bai99, BE89, BLKD09, DP90a, ED91, KN88, KC91, TCL92, Thu92, VL05]. **classical** [CT88]. **classification** [BMA06, EG92a, Gao87, Li91, MCM01, PPZ93, SSN04]. **client** [BA02]. **client-server** [BA02]. **climate** [CDK+03, DFM+95, DF95a, DF95b, HRW+95]. **climatology** [Adr99]. **clique** [Shy90]. **CLJP** [MX07]. **clocks** [CZTS99, DB03]. **cloning** [Hat06]. **closed** [HMTX93, KR10]. **closed-loop** [KR10]. **closeness** [SSKÇ15]. **closet** [Col04]. **cloth** [TB07]. **cloud** [BEDdC16, DST15, LSC+15, SLH+13b, RMRN05]. **ClustalW** [DL06]. **Cluster** [Bar12, BRS+08, GGL+05, SER90, TBM16a, AL93b, ABMN02, BCPB05, BEDdC16, BWL00, CSEK03, CKS03, DWM+01, GSMY+07, GHS02, GW08, GP98, Hat06, JAA06, JMA+13, KEEF01, KI05, MHH97, Moo04, NHS+95, PWY03, PL00, SNS+97, SKN04, SVC07, SDMS12, SSOB03, SS04, SSS+09, WBS06, Wat00, XT11, RMRN05]. **Cluster-based** [Bar12, CKS03, JMA+13]. **Clustered** [DFO93, Ara03, CE94, KBG+01, NS11]. **Clustering** [DZ90, DL05, LF89, LSF+15, MS98, Ols95, PRW88, Tak06, TMCC02, ZRPI89]. **Clusters**

[DST01, HVA+16, ADPV03, AS00, ADMV05, BCVC05, BM11, BL94b, CGK+16, CdCM07, CC00c, DGBP05, DL04, DHS00, DFH+13, FKPB15, FWL03, FHK+11, FHK+15, HL97, HCL05, JS13, JKHK08, KNTG08, MS03b, MSV15, NMW93, OKTR13, PRS+14, PM95, PSF+15, SMW+05, VCK+11, WZL09, WZS+14, WY11, ZKCL04]. **CM** [BP89, BEK95b, But92, SNS+97, TM94]. **CM-2** [But92]. **CM-5** [SNS+97, TM94]. **CM-5E** [BEK95b]. **CM2** [SS94b]. **CM5** [She96, SS94b]. **CMMD** [TM94]. **CMP** [KRN+11, LLL10]. **CMP-based** [LLL10]. **co** [Kim98, Num05]. **Co-Array** [Num05]. **co-minima** [Kim98]. **coalescing** [MCP+14]. **Coarse** [BBC+11, CDBL08, BMP15, CS95, DG90, GPSK09, HHK95, KY98, Lil94, MAFC14, OHZ98, dV94]. **coarse-grain** [KY98]. **Coarse-grained** [BBC+11, HHK95, Lil94, MAFC14, OHZ98, dV94]. **coarse/fine** [BMP15]. **coarsening** [MX07]. **Cobra** [BG01]. **code** [AG00, BDI+95, BDSV98, Bri95, Bur90, Cap88, CEM+99, CDH+03, DF91, DLR94, Dow90, DAG+09, EJLC97, FMS01, FR95, GJS93a, GDAK06, GHH+03, GAW96, Hat06, HC05, IJM+05, IUY+04, JIC96, Kie91, KSM+94, KPL+12, LMJC96, LR89, mM94, MWI+15, MB88, MPJ03, OCE+07, PATC99, POHS14, RKMJ10, SSP+98, SLC+16, STKA96, Taf01, TX00, TBM+16b]. **codebook** [AB02]. **codes** [ARCH05, ALD01, BSE88, BF92, BC97, CGK+16, Cha88, ES88, Ema10, EJLC00, FDTZ04, GKS07, GH89, IJCL96, MJ99, PHCR05, SMTT96]. **coding** [Kut02, Riz85, SKN04, SM15]. **coefficients** [AIIV98]. **coffee** [CCEJ01]. **coherence** [CD00, WC94]. **coherent** [MSS+05]. **collapse** [OCSBY01]. **collection** [Bev89, DH84]. **collections** [Wil85]. **collective** [CC96a, HGLR07, HG12, KBG+01, NZHY11, PGBF+07, Trä12, WBPM97]. **collision** [Wan08]. **collision-free** [Wan08]. **collisions** [CT88]. **collocation** [BP02]. **Colloquium** [Ano88a]. **colony** [KŠR04a, KŠR04b]. **color** [SPW+15, SM15]. **color-coding** [SM15]. **color-entropy** [SPW+15]. **coloring** [ÇFG+12, ZK92]. **colouring** [BFM90, Zer90]. **column** [ST95]. **columns** [KC93b, PLP97]. **combination** [PHCR05]. **combinations** [TL90]. **Combinatorial** [Hag91, BAMK07, MGSK88, Rib84]. **Combined** [BNK15, Ala89, GV08]. **Combining** [HRR08b, Lil94]. **combustion** [DG95b]. **come** [Rau98]. **Comments** [Eis89, FLW87, HE88, RT88, SSY02, Sim91, SE87]. **commercial** [CTS02]. **commit** [Yua94]. **committor** [BWT+08]. **commodity** [B+00, DK01]. **common** [KS16, LO92, Lin94, WFW+11]. **communicating** [DC15, Ram99, Wil85]. **Communication** [Ber89, DCN+15, GLN89, GS96, HHK95, HHQ06, HL99, LW11, SAOKM01, Ste90, VB92, Ann89, Arv92, ABMN02, AFY+16, BFY06, BDK98, BAB+02, BE87, Bek95a, BMG07, Cal96, CC95, CWC00, Cho92, CNK93, De 95, DVGG98, DT96, DZD01, FKK+06, FBAB13, FA96, GP90, GMS04, GNY00, GE92, HK02a, HC89, Hoc89, HC92a, Hoc94, HT92, HEB96, HK90a, HHJP16, Hwa04, JWS13, Joh93, KH95, KLP11, KBG+01, KK92, KG03, KC93b, LC02, LFL11, LC99a, LX00, LBH07, MS99b, Mun99, NZHY11, OKF16, Oed92, OID+12, PM95, PP98, RM97, RBM+16, SS89a, SS95, SKS+95, SSY02, SAOKZ06, SW91, SV94, TG09, Trä12, Ume01, VP95, VLL90, Ver99, WBPM97, WZL09, YG93, YMG14, ZK92, ZL94, ZGG92, BD95]. **Communication-aware** [DCN+15, JWS13]. **Communication-efficient** [GS96]. **Communication-optimal** [HHQ06]. **communication-related** [Arv92]. **communication/computation** [DVGG98]. **communications** [ADLL03, BKT91, CC96a, CMT96, EPS98, EJLC97, Has01,

HRT07, HC92a, Lah00, PS84, VJ11]. **community** [DFM+95, HRW+95, LHK15, TMD+97, ZY16]. **Compact** [QP16, PW84]. **compaction** [GF03, SC92]. **Comparative** [FRC+95, GT92, BEK95b, LCD91, SB94a, SH88, SS94b]. **compared** [HL88]. **Comparing** [AJ89, Bai88, MTV08]. **Comparison** [GP85, HC92a, Ahm97, ABMT99, BM93, BP89, BDOS95, But92, CWB92, CKLM14, GLP98, GE93, HJ97b, Hur93, KN88, MSP93, MOF04, PVP08, RW98, Sha06, SH01, TSJB00, Trä95, YTSI13]. **comparisons** [BE89, LR89]. **compatible** [EL16, OIH10]. **competitive** [SMT+04]. **Compilation** [GPPS99, KCRB98, CAS09, JPK+15, KY98, MAFC14]. **compile** [HJ05]. **compile-time** [HJ05]. **Compiler** [AKP+98, NS11, AART13, FAS02, FDTZ04, HT00, SM13, SNK06, SSO+14, THH+05]. **Compiler-assisted** [NS11]. **Compiler-based** [AKP+98]. **compilers** [DFRR91, LCD91, YTCS97]. **Compiling** [BZ99, Lee95, WMCU97, A+01a]. **complement** [DO88]. **complete** [A+01b, CC95, CHH+01, LH04b, PRS+14, TT00]. **completion** [KKU16, NYFK06]. **complex** [APRP97, AV15, BMS01a, Heg96, HGS10, LS93, Reu99, TO99]. **Complexity** [HBH+16, BKT91, CS95, ČSR05, Dar00, DB03, Feo88, GK92, HJ05, LAS90, NMARD10, RG09]. **complexity-effective** [RG09]. **compliant** [BK07]. **Component** [CGG01, BPP10, CDM06, DFRZ02, DAG+09, FMM+02, HSÇ12, HLP10, IKK15, Rob00]. **component-based** [DFRZ02, DAG+09, HSÇ12]. **Components** [BGL01, B+00, DK01, LDK16, NBB+02]. **composite** [Thu91]. **composition** [LDK16, SKN04]. **compositions** [GS06]. **compounds** [BM01a]. **Compressed** [YPL12, BVWH14, GAR15, HA05, SMW+05]. **compressible** [CLL99, Ema10, HM01, Lan96b, OJ90, SB94a, TMD+97]. **compression** [AHL02, De 95, KNTG08, SS91a]. **Comput** [HE88, SVS02]. **computation** [AGO97, AHBLR12, ABH+10, BM09, BG02, BL93b, BFVRC14, Bro86, CM95, CARW91, CKM94, CCRR91, Cor99, CJ95, DS96, DM90, ES89c, Fis90, FP98, FPT91, FCM03, GL90, Got89, JTS+11, KT97, KK01, KKB92, LHK+96, Li90, MS00, McC89, MP02, dTNOR+04, ORM+10, OA91, PAF+97, RD07, RBS10, SOS97, SK91, SHH+97, TTH95, TO99, WC90, XT11, XXQ+15, YD97, ZM96]. **Computational** [Ano88b, CEM+99, HRW+95, Les00, Liu86, MLM+00, NRN00, R+00, She96, A+02, BA08, BMS01a, BG07, BR84, CDR+95, CdCM07, CW06, CL05, DM03, DGNP88, DST01, DNL15, AKK16, Feo88, Gen84, GWC+99, GK92, GV06, GIF+10, GM04b, GH98, HBH+16, JMLBL98, MMT06, NLG99, PATC99, Sýk84, TKG97, WRB97, ZEgT04]. **Computations** [AK89a, ZVWS88, APRP97, Bar95, BI07, BGR00, CNK93, CDC+87, CB09, EM90, GF89, GVH08, HSS07, Her00, HHR87, JS13, KCRB98, KD13, LBL95, Lan99, Lin08, Lip99b, ME93a, MRRP11, OSZ93, OZ02, RCAP11, SA13, SBZ04, Ste90, TS09, WL13b, WL14, Zom95]. **compute** [SB92b]. **computed** [SSS99]. **Computer** [Ano16k, IJCL96, AMP92, BHM+95, BJP+89, BCYB11, BJSN04, CCCP92, CCRR91, CMRT88, DD89, DSCP88, Dow95, Eck90, ETV91, EY90, EL90, Fre89, GR89, GF89, GK92, HH89, HKSK97, Han85, Hio96, Hoc87, Hoc89, HST87, HHSM88, IU87, IHM+12, Jeo91a, Jeo91b, KBBC88, KTN+14, KBD93, LQ92, mM94, MR89, MJ94, Maw99, MMS90, MSW91, ME92c, NMARD10, PJV00, PAD02, Rea90, RBS10, SW91, Sch91a, SHRN98, Sch87, SB92a, SS92, Sug99, Tre85, Uka99, WN91, WBPM97, WZ90, SWSG92]. **computer/array** [Str87]. **computers** [AL93a, AO89, APG92, AAZ96, AL88, Bai88, BMS97, BE89,

BE92, BE93b, BBQOQO00, BRRV11, Ber00, BP00, BFM90, BEK95b, BP86, BT88, Bru91, CF91, CDW95, CT88, CMM+88a, DL92, DDP90a, DDP90b, DS03, DR93, DLR94, Deá90, DJH05, DG15, EL16, ER89, GMBZ90, Gen84, GMF00, Ger98, GHH+03, Güs99, HISS92, Hat06, HW91, Hot89, Ken99, KC91, KSP97, KKŽ05, Koh95, KLS+88, Kuz98, LPM11, LR07, LPCA98, Lec89, LC02, LE91, Lop93, Mak94a, NS94, NM01, ND95, ORS90, Ort88, PG91, Par87a, PW84, Par87b, PZE94, Rap99, RS87, RV95, SK97a, Sch91b, Ste88, SP93, Swa84, TS99, Wal94a, Wal94b, WLCG02, WS12, WAB89, Wri90, ZRPI89, ZM96, dV94, de 96, van86, van87b].
Computing [Ano87, Ano94, Ano15a, BAK09, BVC16, BMYK98, Bis89, CBV13, DHS89, HK92a, Hor93a, KŠR04b, Lun98, RST11, TBM16a, WBD99a, AC00, AU88, AS00, ABMN02, AMMV98, BCPB05, BG01, BMCA98, BHK00, Blo03, BWL00, BDRV99, BH99, B+00, CIS99, CTS02, CS93, CLS+16, CD98, CLC08, CKRZ98, CHR00a, Cla03, CC99a, CMM03, CQ97, DDdS02, DT97, DST01, DF95a, DF95b, ESV10, EHF+97, FWL03, cFM07, FG01, FMM10, GKT+15, GK03, GGV04, Ger15, GYL00, GHC04, Hac89, HP05, HP97, HK00, HP94, Hoc85a, HK06, HOSS91, HR04, HMH+13, JJM+11, KLR05, KH95, KCG08, Kog85, KG03, KNR00, Kon02, KS99, LLPV06, LD99, LM03, Las02, LG01, LM00, MD04, Man01a, MKL+01, MT97, MSZM14, MT00, MSK14, MTK03a, MTK03b, MSE95, MOW96].
computing [MSOCG+16, MHL06, NHS+95, ONB11, OGC+15, PY00, Pel97, PWY03, RMRN05, Rob99, Sab97, SEAH+08, SÖB07, SVC07, SP94, SGS95, SR14, SS94a, SC03, SHCR98, SDMS99, SDMS05, SMTT96, SGDM94, Sun97b, SG99, TKK+05, TLS+08, TND10, TF01, UZ02, VRL03, WL13a, WA03, Wan08, WFW+11, WJK98, WS12, W+99, YPG03, YCS07, YDTS01, YD07, Zen99, ZYZ+16, Ano16k, BBD+12, Jou97].
concatenated [SMM90]. **concatenation** [ASH92]. **concentrations** [PODd16].
Concept [Qua92, PAD02, BDM99].
Concepts [Ale91, DHW97, EM88, Jor88, SAWH88, Tol02]. **conceptual** [IJCL96].
Concurrency [Ghe85, Van90, WLK97].
Concurrent [DG95a, ATT89, Arv92, BCRSR11, CDW95, DSS86, GW08, HISS92, JDH96, LOST16, MT89, PS84, SS94a, Son86, SGDM94, Wal94a, Wal94b, WW90, ZLJ93].
condensation [MV99, RV95]. **condensed** [DvdG92, WCKM11]. **Conditional** [Fu07, KLL+09, MJ95]. **conditions** [BP95, GW87, RW96, ÜD89]. **cone** [LPCA98, OIH10, SKH+12]. **cone-beam** [LPCA98, SKH+12]. **Conference** [Ano87, Ano88b, BH92, BR84, Ano15a].
conferences [Ano97]. **configurable** [GGL+05, ZSI02]. **configuration** [DHS89, Far96, HOSS91, KRN+11, KI05].
configurations [CG93, Wil85].
confinement [TTT+92]. **Conflict** [CL92, LY93]. **Conflict-free** [CL92, LY93].
conflicting [SG16]. **conflicts** [LX00].
Congestion [HP97, TT00]. **congruent** [Box92, SLY90]. **congruential** [Mas98, MC04]. **Conjugate** [VJ12, BM90, CG89a, CGMM99, Dag̃07, ETV91, EL90, EG94a, GV14, HGLR07, Kru97, Meu87, O'L87, RR89, Sea86, Str08, TGE92, van86].
connected [AAZ96, BV04, CC95, Che98a, HI92, Hor93a, HST87, HHH92, IKK15, Jeo91a, Jeo91b, MSS+05, Sch91a, Son92, WN91, YD01, ZM88b, Li94].
connected-component [IKK15].
Connecting [Sch88a]. **Connection** [DLPS92, McB88a, Sin90, AIO95, CHH+01, CGOP03, SS94b, BL94a, JK92, LSP92].
connectionless [GRBA15]. **connections** [WSB90]. **connectivity** [Ume01, WSB90].
conquer [Arb92, Bon91, ER95a, ER95b, Gor97, HvNJB12, LPAZ97, LSF+15, Meh93, RM91].
conservation [DG05, GL90]. **conservative**

[BT01]. **conserving** [BTZ06]. **considerations** [EG90, JKH95]. **consistencies** [LG03]. **consistency** [OGC+15, PWY03, RRA11]. **consistency-based** [OGC+15]. **consistent** [SSP+98]. **Constant** [Kim98, AIIV98, BT99, Hee97, Mar92, OSZ93]. **Constant-time** [Kim98, OSZ93]. **constants** [BM93]. **constrained** [BP95, BHR09, BE93c, BDK96, CAS09, DM03, DFO93, ECLV12, KJA15, Kha12, NFG+13, QJ06, TSCS14]. **constraint** [Her00, Kon11]. **constraints** [BMP15, BGMT00, GO88, WL13b]. **Constructing** [CG93, CST02, Far96, Jeo91a]. **Construction** [EM87, Hio96, CRS88, Hwa02, KS07, KSS06, MGCB+10, YTCW07]. **consuming** [DST15]. **consumption** [ACM+15, WC15]. **container** [BGM03, BCG00]. **containment** [SSLK00]. **Contention** [BHR09, GNY00, CGGG03, HK90b, SS04, WH94]. **Contention-free** [GNY00]. **context** [BCVC05, CC96b, JC94, LGM09]. **context-free** [CC96b, JC94]. **continuation** [SWSG92]. **Continuous** [AAB+16, SVS01, SVS02, ZSI02, ALNT04, Beb97, GM98, RBL97]. **continuous-time** [Beb97]. **continuum** [SG16]. **continuum-Lagrangian** [SG16]. **contour** [ALH+14, PS89b, SPW+15, YTSI13]. **contraction** [BM93, Rag97]. **Contractive** [BM93]. **Contribution** [FP98, CMP92]. **Control** [Tre85, Ala89, Amm89, ABH+10, DCG90, FJS85, GE11, HP97, KR10, MPJ03, PSF+15, Qua92, Tap84a, WLK97, Wor97, Wri90]. **Control-driven** [Tre85]. **controlled** [CZJS12, OKF16, PY00]. **Controller** [HHGA15]. **Controlling** [DP95, MCB16]. **convection** [CEM+99, CKLM14, GG10, LPMD01]. **convection-diffusion** [LPMD01]. **Convergence** [BP93, DW99, ESK88, ÜD89]. **conversion** [BF92, FCC16, Gol86, HA14]. **convex** [CC02a, DZD01, El 93, EM85, HI92, LSS05, SE87, Xue96, ZM88a, WSL88]. **Convey** [BNK15]. **convolution** [AFK01, EG94b, ZSH97]. **convolvers** [Ume89]. **Cooley** [JK92]. **cooperating** [LL90]. **cooperation** [Jia09]. **cooperative** [GM03, LH04a, MMT06, RB14, RR07, TCT00, TCS04]. **cooperativity** [Yan04]. **Coordinate** [BDOS95, BBL+16, DRST03, NC97]. **coordinate-based** [BBL+16]. **coordinated** [LSC+15]. **Coordination** [ACH98, WCKM11, Cv98, DF98, EK98, PY00]. **coordination-based** [Cv98]. **coprocessor** [HXW+13]. **coprocessors** [GVH08]. **CORDIC** [BAZ93]. **core** [AGL08, AAV08, ABB+16, BNS+07, CU04, ÇFG+12, CLA15, CJLS14, CDGI15, CN98, CKS03, DEH+11, DHW97, DFH+13, AKK16, Ger15, GB14, JJM+11, KCRB98, KD10, PB11, PTS+12, SBP12, SA13, SFSV13, SPW+15, VJ11, VA14, WZS+14, WY11, WPS+08]. **CoreLib** [WPS+08]. **cores** [GIF+10, JMA+13, MPZS13]. **corner** [Wan09]. **corrections** [BMP15]. **Correctness** [vS92]. **corrector** [RM97]. **correlated** [Ber00, Lin08]. **correlation** [CCRR91, Cor99, DLPS92]. **correlations** [DP95, dP90b]. **Corrigendum** [ZK92]. **cortical** [YMJT10]. **Cost** [LSC+15, SLH+13b, ATA+16, BG97, BR99, Che08, CC97b, CC00c, CWDG07, CJ95, DHS00, FIMF99, HBH+16, KV99, LLW+15, LC90, LO92, LC99a, Mar92, SA16, SSL03, SB92b]. **cost-effective** [CWDG07]. **Cost-efficient** [LSC+15, SLH+13b]. **cost-optimal** [LLW+15, LC90, LO92, SB92b]. **costs** [Gre89, TN13]. **Couillard** [MAFC14]. **count** [SWR+13]. **counteract** [KP96]. **counting** [Bev89, Kim90, Ski02]. **coupled** [CC99b, Eva90, FBMV88, Gro87, HSS07, PL00, Qui88, Wat00, WE91b]. **coupled-cluster** [PL00, Wat00]. **Coupling**

[GIF+10, Wei01, TL96]. **covariance** [GGFF93]. **Cover** [Ano02f, SL90a]. **coverage** [ZSI02]. **CP** [A+99, KKU16, NNB+99, Uka99]. **CP-PACS** [A+99, Uka99, NNB+99]. **CPMD** [AC00, HC05]. **CPU** [BEK+11, CTW14, CKLM14, FHK+11, FHK+15, HM02, Hoc85b, LLW+15, LFL11, LGD+15, SPW+15, TPK+13, WZCG14, YWP11]. **CPUs** [KD10, Nag88, SFSV13]. **Crank** [ZL94]. **CRAY** [Hoc85b, ARW93, Cal85, DCG90, DD87, DH91, EO91, FSY88, Gur88, HL88, HKN89, Meu87, MSW91, Nag88, Nag90, Pin91, SW91, Tem88, Tem89, But92, CC96a, GYL00, HEB96, KN88, KLN90, OL86, Oed92, Sea86, WLN+96, ZCPT00]. **CRAY-1** [Tem88, Tem89]. **CRAY-1M** [HL88]. **CRAY-2** [DCG90, DD87, FSY88, But92, KN88]. **CRAY-X** [HL88]. **CRAY-X/MP** [HL88]. **credit** [PSF+15]. **credit-based** [PSF+15]. **critical** [Kha12]. **Criticality** [NB12]. **critique** [Yue97]. **crossbar** [AB93, Qua92]. **crossed** [EBSS94]. **cryptography** [SBZ04]. **cryptosystems** [BF06]. **Crystal** [Kam87]. **CS** [BCM94, BHM94, Hoc94]. **CS-2** [BHM94, Hoc94, BCM94]. **CSD** [HL99]. **CT** [FA11, SKH+12]. **Cube** [GS04, Bro88a, EBSS94, Hor93a, HWYL89, LH00, PMAL14, Tak06, Li94]. **cube-connected** [Hor93a, Li94]. **cube-shaped** [PMAL14]. **cube-type** [Tak06]. **cubes** [CCP98, HC04, HCTH05, MLX07, YTCS95, LH04b]. **CUDA** [DS13, DWL+12, GScFM13, HVA+16, HLP10, KD13, OKTR13, OIH10, PRS+14]. **CUDA-Aware** [HVA+16]. **CUDA-enabled** [DS13]. **CUDA-sharing** [PRS+14]. **CUDA-to-OpenCL** [GScFM13]. **cumulants** [MS00]. **Current** [FK94, DDdSL02]. **curve** [CARW91]. **curves** [Ban97, GZ99, Kon11]. **curvilinear** [NC97]. **curvilinear-coordinate** [NC97]. **cut** [Ral03, ZG16]. **Cuts** [MBC97]. **Cyber** [LN87, HL88, Riz85, Won88]. **CYBERPLUS** [KRW88]. **cycle** [CC92, CKM93, Fu03, Hsi06, RS92, YX07]. **cycles** [AFJG06, KF95, KL00, Li94]. **Cyclic** [Fie96, AM93, BE93b, Chr00b, EW93, GS89, Hwa02, Hwa04, KS91a, LC02, NHS+95, Sch91b, SWSG92]. **cylinders** [KT97]. **cylindrical** [MO89].

D [AAS13, AW13, Cap88, EK98, GV01, HKL01, RVGG01, SSS99, Tak03, VvBv90, WSR14, AW13, BSE88, BFG+07, BCMG+07, Bri95, BAS13, CDM06, CM95, Chr98, DZD01, EGTD99, FMS+06, GJS93a, HSS07, HB84, KT97, KTN+14, KD13, KYLH01, Lee97, LCLL00, LPMD01, MW94, MM96b, MDC+08, OCE+07, RVGG01, SHPA05, SA16, TKG97, TT00, TA14, Wan09, YL86, ZLM98]. **D/** [RVGG01]. **DAG** [BBD+12, LKHL03]. **DAGs** [Ara03]. **DAGuE** [BBD+12]. **damaging** [FC05]. **dance** [WBPM97]. **DAP** [AMP92, BP89, Car88b, Dav88, EL91, LL88, PR90, Wai88, WC90]. **DAP510** [EG92a]. **DAPSYS** [HKK97b]. **DaSH** [GSE+15]. **Data** [A+02, AZ98, ABG+03, CHLS90, CSH+11, FAS02, FMD98, HS03, KP93, KS95, LK14, LR07, Mv88, NZ92, OW97, RM97, RW98, RZ95, ROZ01, RH12, SS89a, TPK+14, Van90, ZPAT99, ZM96, AL93a, ABB+16, ATA+16, AKSS07, AGK98, BSH88, BG91a, BKS06, BF95, BEDdC16, B+02, BM02, BDOS95, BDK06, BGR00, BCMSW03, BCMSW04, BJV+16, CTS02, CH98, CFS01, CWK09, CZJS12, CDK+03, CC16, C+01b, CRD02, ČSR05, CMM03, CV02, CDA+16, DGNP88, De 95, DR93, Dec00, DF00, DAD11, DMG+04, EG95, Evr01, EG90, GWLS05, GWC+99, GMMT16, GM04a, GM04b, GLD08, Haa98, HLvHA11, HMTX93, HCJ03, HCR01, Hwa04, IOH05, KN88, Kan93, Kan97, KMLM97, Kas85, KY98, LLP00, LC89, Mah96, MJ94, MIA+07, MC09, MMM13,

MQ97, NL98, NJ02, ONOK13, PM03]. **data** [PFTB15, PB16, Ran97, SNK06, SB94a, SSH97, SSS99, SC03, SV97, SSN04, TS02, Thu92, TS09, Tre85, TL96, THK+99, Vio04, WJK98, WCM+14, WE97, WE91b, Y+02, YZWcF14, YEC97, YM05, ZLD15, BCC+97b, MAFC14]. **data-dependent** [BM02]. **data-driven** [Evr01, Tre85, ZLD15]. **data-flow** [EG95, EG90, MAFC14]. **data-intensive** [TS02]. **data-localization** [KY98]. **data-oriented** [PB16]. **Data-parallel** [FMD98, HS03, RW98, ZPAT99, BDOS95, MIA+07, SB94a, SV97]. **Data-structure** [BCC+97b]. **Data-task** [ROZ01]. **database** [Bak00, BF95, BV96, MC09, NS02, Reu99, SCM+98, SJJ85, TDW+04]. **databases** [PRW88, PWM00]. **DataCutter** [B+01]. **DataExchange** [EPS98]. **dataflow** [GSE+15, Gao90, HSÇ12, NLG99, OKSY92, RKS92, WMCU97, WvR16]. **dataflow-graph** [RKS92]. **datagrams** [GRBA15]. **dataparallel** [OJ90]. **datarepresentation** [SJJ85]. **datasets** [B+01, LMC05, SMW+05]. **DBT** [DZ90]. **DBT-Transformed** [DZ90]. **DDM** [BDK06]. **DDS** [WL13b]. **deadlines** [Ver99]. **Deadlock** [Fei91, Ann89, WL13b]. **deadlocks** [Ara03, WLYJ13]. **Debugging** [KGV97, CSH+11, KCD+97, RGdS+13, WOKH96]. **DEC** [KW90]. **decentralized** [AGGG06, LMG09, MTV08, TKK+05, Yua94]. **decimal** [Tak10]. **decision** [GE11, KNR00, QP16]. **decision-making** [KNR00]. **decision-trees** [QP16]. **declustered** [SSH97]. **decoding** [ARCH05, AFS14, De 95]. **decomposable** [TN13]. **decomposition** [AC94b, AHW14, AIV95, AW13, BG91a, BMP15, BO91, BZ96, Bis89, BM01b, BFR93, CS95, CUSR88, CMV+06, DBVS01, GK03, GHP10, GK92, GW87, HJ97a, HP94, HJ97c, HZ93, HK06, HSFS14, IR93, IR00, KS91a, KN09, Kon11, KC93b, Kon02, MW11, NZ97, PAF+97, SMC16, SG16, SB92a, Ter13, WE94, WA03, Wri91, YPL12]. **decompositions** [CC97a, FRC+95, Ste94]. **decoupled** [Evr01, RG09]. **Decoupling** [SE93]. **dedicated** [ABMT99, DFR92, GW08, Sug99]. **deep** [KLP11]. **Defeasible** [WBD99b, WBD99a]. **defect** [MPJ03]. **definite** [HRR02, NYFK06, ZVWS88]. **definiteness** [EV89]. **definitions** [Kut85]. **deflection** [AFY+16]. **deformable** [SHPA05]. **Degree** [VTmL03, BT99, BDK96, LAS90]. **degree-constrained** [BDK96]. **Delaunay** [FCC16, KKŽ05]. **delay** [CC92, SAOKM01]. **delays** [BDK98, BP93, BP95, DT96, GMS04, HK02a, MS99b, Mun99, VLL90, Ver99, YG93]. **deleting** [KC93b]. **Delft** [de 87]. **delivery** [CGGG03]. **Delta** [HC92a, Pir96]. **demand** [CS97b, JSC97, SWR+13, Tre85]. **demand-driven** [Tre85]. **demography** [MSOCG+16]. **Dempster** [WH93]. **Dempster-Shafer** [WH93]. **Denelcor** [DH84, HLM84, Hir86]. **Dense** [BLRR02, RRS88, ASA16, BBB+14, BP90, CTW14, CG89b, CTT89, DGP+16, EB98, FKK+06, Kal92, Kuz98, LR07, MS03a, Mal02, MRBQO14, Mel87, ONOK13, TDB10]. **density** [ARCH05, MCM01, NHS+95]. **dependence** [AZ98, CDRV97, JCE96, LC89]. **dependencies** [Bra88, BCR00, GF13]. **dependency** [LKHL03, MT91, MT95, Man01b]. **dependent** [BM02, RSK99, SMW+05, WLYJ13]. **deployment** [BK07]. **depot** [BCG00]. **depth** [SSS99]. **Derivation** [DQRR00, WL14, Cv98]. **derivatives** [LM00]. **derived** [BOS+09]. **Deriving** [vCd90, Tyr90]. **descent** [BG02, KL90b]. **describing** [Zla88]. **description** [BEK95b, CR90, DFRR91]. **descriptions** [SBP12]. **Design**

[BCPB05, BAZ93, BGRD00, DFM+95, GM98, GV08, LGD+15, MGT+13, SKY93, SCM+98, SR10, VGRS16, AB02, BAMK07, BHM94, Cv98, DAA94, Eva89, Eva92, EG90, FSCL06, FWL03, GLP98, Gor97, GVH08, GM89, HRW+95, Kas85, LT94, ML00, MGCB+10, MCC04, ME90b, MAS06, PSF+15, RG09, SSD+94, SS91b, TL90, UN87, Ume89, Wal94a, Wal94b, BWL00]. **design-pattern** [MAS06]. **Designing** [MTV08, PP98, KJA05, Lin01, ZLJ93]. **Designs** [HVA+16, ALD01, EMB89, EM90, ME90a, MBC92]. **desktop** [CdCM07]. **detail** [SSV+16]. **detailed** [Wei91]. **detecting** [ZLJ93]. **detection** [Arv92, BJSN04, BNK15, CRD02, DIR97, DCN+15, Fei91, GGL99, GF13, HISS92, LHS13, LSA+95, LHK15, MSE93, SPW+15, TDW03, WL13b, XXQ+15, ZY16]. **detection-based** [WL13b]. **Determination** [Bra88, Ban97, GM04a, GM04b, KSS06]. **determining** [BFY06, BW92]. **determinism** [vS92]. **deterministic** [CCP98, KJA05]. **Deutschland** [SK97a]. **Deutschland-Modell** [SK97a]. **Developing** [AMMV98, BSH88, PRR03, CSH+11, DS87, Kas84, SN88]. **Development** [Oya99, WWR05, WH91, CLC08, Gil88, JKH95, KCD+97, OKSY92, SEAH+08, YCS07, Ano87, R+00]. **Developments** [DvdV99]. **device** [LS90, MW94]. **devices** [DWH+08, LK10, PZE94]. **diagnosable** [Cho92]. **diagnosing** [GWWM09]. **diagnosis** [BAR98, Don05, Li90, SYAU07, TJ97]. **diagnostic** [BS97, BMYK98, CDDG93, GGFF93]. **diagonal** [DS05, KGS08, PG91, Sun95, YD97, Zha91]. **diagonalisation** [RH99, TY91a]. **diagonalization** [VP94]. **diagonalizing** [KG87]. **diagonals** [SM87]. **diagram** [Jeo91a, Jeo91b]. **diagrams** [ES89c]. **dial** [ACGL04]. **dial-a-ride** [ACGL04]. **dialects** [CWB92]. **dialkyl** [STKA96]. **diameter** [GDMS97]. **diatomic** [MT97]. **Dichotomy** [Ter10]. **dictionary** [DG90]. **difference** [EL90, GF89, MWI+15, MSW98, Ram07, She96, Thu90, Thu91, WME+95, Won88]. **different** [DF00, NAC+14, VRGÁ15]. **Differential** [SKN04, AAHF97, BP02, CLS93, EM87, GR89, Gol88, GW87, HM89a, HK92b, MQ89, RSSS94, SHPA05, SN88, SS88, DST15]. **differentiation** [CDGM96, Fis90, HM01]. **diffusion** [BCMSW03, BCMSW04, CKLM14, FBMV88, HSR+14, HSS07, Hor93b, HB99, LRH97, LPMD01, MD88, MMS09, Wei97]. **digit** [SB94b]. **digit-reversal** [SB94b]. **digital** [EG94b, EA95, PS89b, Wel89, WS98, Y+02]. **digits** [Tak10]. **Dimemas** [LGC97]. **Dimension** [HT98, CCRR91, Cor99]. **Dimension-exchange** [HT98]. **dimensional** [AL93b, AIIV98, Bas94, BE87, B+02, BP86, CFMM97, CC00a, CCW01, DE09, DG99, DDF+10, EM85, EJLC00, Far94, Hee97, HHJP16, JWS13, KR97, LPCA98, LS92, MM96a, MSA09, MCM01, OJ90, QCC02, Ram07, RSK99, Sim91, SBO+91, Tro00, WBS06, YB11]. **dimensions** [Eva91, GHW08]. **dimeric** [PB98]. **diodes** [SAWH88]. **dioxide** [PODd16]. **Dirac** [RSK99]. **direct** [ADPV03, Bjø87, CL02, EW93, GW95, GZTR07, HRR02, RW98, VKS+15, Zam99]. **direct-neighbour** [Zam99]. **directed** [MQ97, SCD92]. **Direction** [CC01]. **directions** [FK94, UAR+99]. **directive** [GHH+03, HST05, KKHY06b]. **directive-based** [GHH+03, HST05]. **directives** [CLZ01, GB14, VGS14]. **directory** [HK02b]. **discovering** [MMO07]. **discovery** [BOG15, CRGR+13, CC16, TKK+05, WCM+14, YBM05]. **discrepancy** [Lec89]. **discrete**

[BAK09, CLS93, DF98, EK92, GJMMS97, Mil01, Not95, PM89, Wri90, CT94]. **discrete-time** [CLS93, Wri90]. **discretization** [BP02]. **discretizations** [Lep99]. **DISCS** [RC14]. **DISCS-2013** [RC14]. **disjoint** [GS04, KSP97, SHCD00, Tou02]. **disk** [AGL08, CH97, CN98, MQ97, San02, SSH97]. **disk-directed** [MQ97]. **disks** [BGV97, TTH05]. **dispatch** [RG09]. **dispersed** [NC02]. **displays** [CKS03, CWDG07, LBH07]. **dissection** [Con90]. **distance** [BL93b, CC95, ER95a, ER95b, FIMF99, GS04, HCR01, LHK+96, ST02]. **distance-insensitive** [ST02]. **distant** [BCVC05]. **Distributed** [ABGC+14, BP95, B+01, CJLS14, DHL07, DIR97, GS10, HKK97a, HKK97b, HCJ03, HK90a, HC92b, ISH03, JON08, Pap98, RCAP11, Tol02, TDW03, WE97, AGH+94, AJ95, AC89, ARZ97, AKSS07, AKK99, A+01a, ADMV05, AB16, BBB+14, BG91a, Bai88, BEY00, BKS06, BZ96, BCA08, BAR98, BZ99, BGP+97, Bev89, BP00, B+02, Bis89, BSK03, BVWH14, BBD+12, BE97, BDK06, BCS15, Bro89, Bru91, CMT04a, CE94, Cal96, CS00, CS93, CPdM+97, CKRZ98, CSH+11, CDW95, CL05, CBP+07, CSW01, CB09, CRT89, CJ95, DDdS02, DDdSL02, DD89, DL92, DR94, DR93, DLR94, DvdG92, DUG+06, DZG94, EZ99, EPS98, Ekl04, ES06, FFLV96, Fie96, FBAB13, FMM10, GKS07, GE11, GLG06, GPC88, GD90, GMF00, GHH+03, Güs99, Hey91, Hil92, HJ97c, HMH+13, IOH05, IT08]. **distributed** [IKK15, IHM+12, JIC96, Kan97, KJA15, KG03, KA96, Kuz98, LPM11, Lee95, LC02, LH88, LWG06, LSL02, LS93, LF00, LMKH97, MMC97, MM00, MCC04, MW11, MW94, MHH97, MBC97, MOF04, ME92c, NOS92, NA08, ORM+10, PY00, PLY02, PK05, PRW88, RMRN05, RGBCS09, Rot95, RV95, RBL97, Sab97, SYAU07, SAOKZ06, SSKÇ15, SNK06, SK97a, SBM+98, Sch88b, SS94a, SSP+98, SC03, SS01, SB95, Sol88, Son92, Son94, SB92a, Sun97a, SW03, SG99, TX00, TS88, TMCC02, TB07, Trä95, Van02, VV07, WW95, Wal94a, Wal94b, WC94, WZL09, WYT+16, WME+95, WHW+11, Wil88, WvR16, YX07, YPG03, YSBM97, ZM88a, dGR95, di 97]. **distributed-heterogeneous** [BCS15]. **Distributed-memory** [Tol02, AB16, BZ99, CJ95, FFLV96, Fie96, FBAB13, GD90, IKK15, LF00, MW94, Rot95, SNK06, Sun97a, Wil88]. **distributed-shared** [ADMV05]. **Distributed-sum** [TDW03]. **distributed-termination** [Son92]. **distributing** [TY91b]. **Distribution** [PMMAM10, BV04, CAA98, CGM05, GWC+99, Haa98, HT98, Hwa04, LR07, LC02, PB16]. **distributions** [RvG05, RZ95]. **disturbed** [MMS09]. **Divide** [Arb92, Bon91, Meh93, RM91, ER95a, ER95b, Gor97, HvNJB12, LPAZ97, LSF+15]. **Divide-and-conquer** [RM91, ER95a, ER95b, Gor97, HvNJB12, LSF+15]. **Divisible** [BDM99, BLR03, BD10, BD95, DG99]. **DLP** [HXW+13]. **DMR** [XXQ+15]. **DNA** [BMCA98, TS09]. **DNAml** [CDZ+98]. **DNS** [Xu07]. **DOACROSS** [LK00]. **docking** [VBS+15]. **document** [PW87]. **dog** [LK14]. **Domain** [CMV+06, DRST03, GW87, Hat06, AIV95, AW13, BG91a, BMP15, BZ96, BCS15, CC97a, CS95, DWB99, FRC+95, GHP10, HJ97a, HJ97c, HZ93, HSFS14, Kon11, PAF+97, PRV87, Ram07, SMC16, Ter13, WA03]. **domains** [LSS88, RSSS94]. **dominance** [Kim90]. **dominant** [Sun95, Zha91]. **dominated** [GG10]. **dominating** [GHC04]. **dominating-set** [GHC04]. **dominators** [Hor93a]. **Doppler** [TB03]. **Doppler-bearing** [TB03]. **dot** [YORO08].

DotDFS [PGG11]. **double** [BE92, LE91, SNO99, WRS12]. **double-bordering** [LE91]. **double-precision** [WRS12]. **downdating** [BHM+95, YK08]. **Downloading** [PS91]. **drawing** [ME92b]. **drift** [BP95]. **driven** [Evr01, JMA+13, KRN+11, Lin93, MBK12, Tre85, WRS12, ZLD15]. **Driving** [LBH07]. **drug** [PB98]. **DSDADI** [LRH97]. **DSM** [KKH04, Lef97]. **DSP** [KG03]. **Dual** [DK04, HC05, NYFK06]. **Dual-level** [DK04, HC05]. **Duplicate** [TFS91]. **duplication** [Ara03, HK02a, KK03, Man01b]. **duplications** [LC89]. **during** [CRD02, FC05]. **DynaGrid** [BK07]. **Dynamic** [BM11, BFL+01, BOV02, CJLS14, DWH+08, ECG93, EB93, HL97, Han85, KS05, Koh95, LHS13, LOST16, AC03, ACGL04, ASH92, BM01a, BCPB05, BGG+99, BO03, BNS+07, BSK03, Bog92, BDK06, BK07, CLS93, CZTS99, CRGR+13, CC97a, CCJ90, CF04, CNK93, CGM05, DCG90, DHL07, DIR97, EG95, FKPB15, FG96, GLS01, HM02, Hor93b, HB99, JSC97, JDH96, KK11, LZCT15, LP92, MSMC15a, MMO07, MCP+14, M+00, MAD+16, NC97, OKF16, OBG00, OID+12, PAG+05, PSF+15, RCAP11, RMACG10, RGBCS09, RR14, SG02a, SSLK00, TSJB00, TE92, VR95, WYT+16, Wol89, WH94, ZCPT00]. **dynamical** [GLS99, KLN90]. **dynamically** [Kao08, SSS99, ZSI02]. **Dynamicity** [VV07]. **dynamics** [AFPG12, BL94a, BCA08, FP98, Gen84, GIF+10, GVH08, HC05, Kas84, Ken90, KHN01, LBL95, LVC16, LBWR90, LR89, MSOCG+16, MO99, NC97, N+00, PJV00, SSS92, STKA96, TJJ93, Zom95].

E2SC [AMN16]. **ear** [IR93]. **Early** [CC99b, CH97, XH96, Oed92]. **earth** [AC03, ABG+03, SCM+98, Sod02, CFN03, HUYK04, IUY+04, Nak05, Sat04, SZ04, YS04]. **EARTH-MANNA** [Sod02]. **earthquakes** [FC05]. **ease** [TKI85]. **easily** [Cho92]. **easily-diagnosable** [Cho92]. **easy** [GHS02, MK97]. **easy-to-use** [MK97]. **echocardiography** [CDM06]. **ECMWF** [Kau94, GJS93b]. **economics** [KNR00]. **Eddy** [WH15, SML+14]. **Eden** [HHOMR06]. **edge** [HC04, HWW92, MLX07, MDC+08, Rag97, TT00, ZG16]. **edge-fault-tolerant** [MLX07]. **edge-preserving** [MDC+08]. **Edges** [Tou02, Far94, Hsi06, LS97]. **Edges-disjoint** [Tou02]. **Editor** [RC14, SYP13]. **Editorial** [AMN16, Ano02b, Ano02c, Ano02d, Ano02e, Ano03a, Ano03b, Ano03c, Ano03d, Ano03e, Ano03f, Ano03g, Ano03h, Ano03i, Ano03j, Ano04a, Ano04b, Ano04c, Ano04d, Ano04e, Ano04f, Ano04g, Ano04h, Ano06, DF95a, Hol10, Jou02, Jou04, KP12, KC06, MV11, RST05, TS02, UZ02, Ano02f, Ano09b, Ano10b, Ano11a, Ano11b, Ano11c, Ano11d, Ano11e, Ano11f, Ano11g, Ano11h, Ano12a, Ano12b, Ano12c, Ano12d, Ano12e, Ano12f, Ano12g, Ano12h, Ano13a, Ano13b, Ano13c, Ano13d, Ano13e, Ano13f, Ano13g, Ano13h, Ano14a, Ano14b, Ano14c, Ano14d, Ano14e, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j]. **Editors** [BH14]. **Edwards** [RW96]. **EEGs** [EG92a]. **EF5** [OWW16]. **Effect** [AB93, Man01b, HEB96, Wor92, YMG14]. **effective** [CWDG07, EJLC00, HC94, JH97, RG09]. **effectiveness** [SC92]. **Effectivity** [Str87]. **Effects** [Axe86, MCB16, MBC97, PW89]. **efficacy** [CBP+07, GScFM13]. **efficiencies** [DZM+13, FRC+95]. **Efficiency** [Bro89, CBP+07, CMM+88a, FLW87, HZ93, LS93, Ori10, Par86, SP93, tV96]. **Efficient** [AAS13, AAB+06, ADTV01, BO91, BFVRC14, CAS09, CS93, CC00c, CCRR91, DFM99, ED04, FK98, GL99, HT00, HA05, Hee97, HXW+13, IR93, JW09, JC94,

JWS13, KD13, Lan99, Mar14, MKK03, MS04b, MSW98, MNP93, MO99, OV06, RR07, RGBC11, SCCPM14, SMT+04, SV94, SHH+97, SR97, TPK+13, YK06, YD01, ZM88b, Ale91, AK89b, ABMN02, AFY+16, AG00, BBB+14, BFG+07, Ber89, Bev89, BSD11, CGG01, CC02b, CF91, CC95, Che98a, CST02, CP08, CNK93, CG89a, CT88, CGM+92, EAR93, EL95, FLW86, FSCL06, FWL03, FLYL16, FG89, FA11, FBG+12, GLG06, GG10, GHS02, GM07, GS96, HW02, HRR08a, HCL05, HKR+10, Hwa04, IB01, KK01, KC97, LMJC96, LSC+15, MS98, MGCB+10, MSMC15b, MMT07, NOS92, Not95, OW91, PLY02, PRS+14, RH99, RBM+16, Sab97, SKN04]. **efficient** [SOH94, SM91, SP97, She95, SLH+13b, TKC+14, TX00, WE92, WL98, YCS07, YLW+13, Yua94]. **efficiently** [KLP11, WW92]. **effort** [WPS+08]. **EFFT** [AV15]. **eigensolution** [Pin91]. **eigensolver** [ABG+06, BPS01, KKHY06a, PB11]. **eigensolvers** [HRT07, YTSI13]. **eigenvalue** [ALH+14, Arb92, ABB+11, AHW14, Bol86, CRS88, CJ95, DvdG92, EM90, Gut88, Kal90, Kal92, KK01, Lan99, LQ92, MV99, Nat90, RKMJ10, RV95, THM+95, ZM94]. **eigenvalue-eigenvector** [EM90]. **eigenvalues** [BW92, GKT+15, GD90, WC90]. **eigenvector** [EM90]. **eigenvectors** [GD90, WC90]. **eight** [TTH95]. **eight-neighbor** [TTH95]. **ejection** [Reg01]. **Elan** [BHM94]. **Elan-Elite** [BHM94]. **Elastic** [WS12]. **elastohydrodynamic** [ADTV01]. **electric** [SHRN98]. **electroencephalograms** [EG92a]. **electromagnetic** [IHM+12]. **electronic** [ABB+11, Ber00, MP95]. **Electrostatic** [RD07, HSS09]. **element** [AKK99, BFL+01, BM09, DL92, Dav88, DDF+10, EZ99, EL95, ETV91, FA11, FR95, FHMS93, GAR15, HJ97c, Kra84, LLP00, LR99, MW11, Nak05, NP05, PZE94, RWT97, SHH+97, Sil88, TA14, Wai88, YNO97]. **element-by-element** [ETV91]. **elementary** [de 87]. **elements** [GPSK09, LL88, SM88]. **Elimination** [BKT91, Gir02, BR90, CG87, CMRT88, CTT89, DGP+16, GT92, KKB92, Leu89, Liu89, MKS91, MR89, Mel87, MMS90, PW84, Ris90, RDB+90]. **Elite** [BHM94]. **elliptic** [Eva91, GS89, GW87, HJ97a, Mil01, Pet97, Pir93, Won88]. **ELLR** [VFG12]. **ELLR-T** [VFG12]. **EM-4** [OKSY92, SKY93, SKS+95]. **EM-ML** [GH98]. **embedded** [DCD97, HK91, JON08, JMA+13, MCB16, OWW16, RMACG10, SVC07, SSO+14, YLW+13]. **Embedding** [KLL+09, TT00, Fu03, Hsi06, KF95, KL00]. **embeddings** [GH92]. **emergent** [CBP+07]. **Emerging** [ONB11, BOV09, MII+11, WOV+09]. **emission** [Möl99]. **Empirical** [LD98, MJ99, BHK89, BGG+99, Dod90, WPD01]. **employing** [LNLK13]. **Emulating** [Wel89]. **emulation** [Bar97]. **enabled** [BWT+08, DS13, DG15, DUG+06, DMG+04, GM04a, LNA06]. **Enabling** [APBcF16, HCT16, FBAB13]. **enclosing** [JCL92]. **encoder** [BFG+07]. **encoding** [AALK01, PGBF+07]. **encountered** [Hir86]. **End** [BVC16, CBV13, AAV08, MK12, PSF+15]. **end-to-end** [PSF+15]. **Energy** [MSK14, AFY+16, GPSK09, LKGD16, NB12, OKF16, TKC+14]. **energy-efficient** [AFY+16]. **engine** [BBD+12, CLL99, CRS88, DCR+16, PR90, SML+14, Wal01, Yaş01, BAMK07, BAK09, KR10, PMMAM10, SKST08]. **engineering** [DMG+04, GSZ88, KSM+94, Pap98, YPG03]. **engines** [HXW+13, MGCB+10, SYAU07, TFS91]. **enhance** [GHP10]. **Enhanced** [NLP+15, FP92, GSMY+07, HRT07, HXW+13, TSCS14]. **enhancement** [BDK06]. **Enhancing** [MSMC15a, MQ97].

Enormous [AV15]. **entropy** [SPW+15]. **enumeration** [ME84, SDv98]. **environment** [AS86, AKK99, BDPV99, BCC+97a, Bro87, Bro88a, BGRD00, CDR+95, CDM06, CLA15, CDJ08, DS87, ES06, FMM+02, HST05, IJM+05, Jor86, KCD+97, KHC92, KGV97, KSS06, MSW91, MOF04, MKL+88, NL91, NJ02, NRN00, PW87, Pry97, RSSS94, SSP+98, SWC99, TSCS14, Van02, ZLM98, vv91]. **Environments** [HKK97a, Jou97, A+02, AKSS07, AMMV98, B+02, BGK+98, CS93, CSW01, DDdS02, DDdSL02, DCG+07, DF98, DT97, EHR+98, JBWE14, MSP93, McB94a, TRSHB04, WA03, YCS07]. **enzyme** [Yan04]. **EPEX** [DGNP88]. **EPEX/FORTRAN** [DGNP88]. **epidemiological** [MSMC15b]. **EpiGraph** [MSMC15b]. **EPS** [MTPE90, de 87]. **Equalizing** [MD04]. **equation** [Bjø87, BCS15, CMM+88a, CKLM14, DWB99, FBMV88, HJ97b, HWB92, LRH97, MS04b, RSK99, SHvAP13, Sch92, SP93]. **equational** [GJMMS97, OTI+89]. **equations** [ADF93, AAHF97, AIIV98, BD89a, BG91b, Bas94, BE92, BE93b, BBQOQO00, BEK+11, BWW89, Bon91, BP02, Cap88, DH84, EM87, ER89, EL90, ED91, GR89, GS89, GYH94, GV01, Gol88, GW87, HSS07, HM89a, HK92b, Jou89, KR97, Koç97, KS16, LWS02, LSS88, Lop93, MQ89, ME90c, Mei85, Mil01, Oli96, OJ90, PATC99, Pis92, RF90, Reu88, RSSS94, RO88, SHPA05, SN88, SS88, Sch87, SK87, Ter10, Ter13, Won88]. **equilibrium** [DF00]. **equivalent** [TH89]. **era** [SR14]. **EREW** [HK06, She97]. **Erratum** [SVS02, Wal94b, WBD99a]. **Error** [Pis92, Stp93, FGS97, HISS92, XXQ+15, ZLJ93]. **error-detecting** [ZLJ93]. **errors** [Arv92, TYSF13]. **eruptions** [OCE+07]. **Esprit** [Hey94]. **essentials** [ST88]. **estimates** [MW88, SH91]. **estimating** [YK06]. **Estimation** [PMMAM10, HDH97, KI05, Kol94, Mal02, MS99a, TDW+04, VJ12]. **estimations** [KM88]. **estimator** [GGFF93, Güs99, YK08]. **ETA** [MRJ89]. **Ethernet** [Gog11]. **Euclidean** [CC95, Gur88, LHK+96]. **EULAG** [WSR14]. **Euler** [Ger94, Cap88, DLR94, DR95, PEO16, di 97]. **Euler/Navier** [DLR94]. **Eulerian** [DAD11]. **EuroBen** [van91]. **Europe** [Duf84]. **European** [Kau94]. **EuroPVM** [MTW07]. **EuroPVM/MPI** [MTW07]. **Evaluating** [CRT89, RHM+88, SSH97, Beb97, CH97, GScFM13, TG09]. **Evaluation** [BCVC05, DF00, FR95, IKK15, PEO16, SKH+12, SWSG92, AE93, BAR98, BDH95, BMG07, CC96a, CCP98, CRSS99, FKK+06, GV08, HB90, Her88, HHOMR06, HHR87, HK02b, HL13, JMLBL98, KK92, KSS98, KP93, LAS90, MP92, Obe85, Ori10, OW94, OW97, PCN10, PKR00, Rib84, SNS+97, SAOKZ06, SFSV13, SCM+98, SS04, Sol88, TYKA95, Y+99]. **evaluation-interpolation** [KP93]. **Eve** [OW97]. **even** [BE93b, BR89, MP87]. **Event** [KRN+11, BRWL09, DF98, GJMMS97, MK12, PM89]. **Event-driven** [KRN+11]. **events** [Ano97]. **Everglades** [HW02]. **Evolution** [MGSK88, SGDM94, AIV95, MGSK87, SSD+94, YLE95, DST15]. **Evolutionary** [GM04a, BFVRC14, CMT04a, DS07, dTNOR+04, RMACG10]. **evolutive** [MOF04]. **Evolving** [MCM01, PYZC11]. **Exact** [Bog92, BBQOQO00, DR02, DGP+16, FBAB13, LHK+96, LG03, Obe85]. **example** [CR90, DFRR91]. **exchange** [CS89a, CC00b, HT98, Kas85, Kat01, MMM13]. **executable** [OTI+89]. **executing** [SLH+13b, WW92]. **execution** [ATA+16, A+01a, BPEL05, BV96, CCGG14, Eck90, Fer97, FM88, GW08, GB14, KD97, KI05, LGM09, Mah96, MAD+16, Psa02, RvG05, Reu99, TDW03, WW90, WL14, WvR16]. **execution-time** [KI05]. **Existence**

[Rao97, HE88, KS87]. **exogenous** [Mal02]. **expansion** [LH02]. **experience** [FPT91, HKN89, KS99, MCC04, NHS+95, Zha95]. **Experiences** [HL88, HLM84, KSM+94, BWZ95, CW97, CH97, Hol95, HB94, LBL95, kLH95, Nag88, NBB+02, Pei88, SGDM94, STKA96, WRB97, XH96]. **experiment** [CC99b, Son92]. **Experimental** [HISS92, CFS01, Lef97, MTPE90, PVP08, TFS91, Trä95]. **experiments** [DCG90, Kam87, YD97, HAJK01]. **expert** [CDDG93, Li89, TE92]. **experts** [EPMPU02]. **Explicit** [GVH08, BE95, BE89, BE92, EY90, EC91, KR97, ME90c, NA08, OJ90, SBP12, Thu90, Thu91]. **Explicitly** [SWC99]. **exploit** [RRP03]. **Exploitation** [JCE96, Lee97]. **Exploiting** [ABMQO11, ABB+16, DL97, Gao90, GW95, Nag90, Zam99, DVGG98, HXW+13, MR86, Rob00, THH+05]. **EXPLORER** [LK00]. **Exploring** [GKS07, GSMY+07, PTK04, SKST08]. **explosive** [OCE+07, SSLK00]. **exponentials** [ABH+10]. **Express** [Ahm97, FK94]. **Expressing** [GJMM89, CWB92]. **Expression** [CR90, Bur04, HL99]. **expression-rewriting** [HL99]. **expressions** [SS87]. **expressive** [Trä12]. **extended** [LBH07]. **extendible** [ONOK13]. **Extending** [AAA16, BM02, BPP10, Ger15]. **Extensible** [DAG+09]. **extension** [CC98, JH97, MZ95, SS04, Son86]. **Extensions** [HVA+16, Hoe12, Wit98, BCC+97b, HP05]. **External** [BBB+94, CSW01, MRT93]. **extracted** [Kao08]. **extraction** [BDSV98, MS03a]. **extrapolation** [EM87, Eva89, HK92b, SY87]. **extreme** [GAA+13, HMP+16, MSZM14]. **extreme-scale** [MSZM14]. **extremes** [Cla03].

F [Ano03k]. **fabric** [KRN+11]. **face** [SPW+15]. **facilitate** [LMJC96]. **facilitating** [HLvHA11, WCM+14]. **facility** [KKHY06b, KKHY06a, SK97b]. **FACOM** [TKI85]. **factor** [BO03, ESK88, God00, Tem88]. **factorial** [ALD01]. **factorisation** [HE88, KS87, YE95]. **factorization** [AB95, AD14, AC94b, CU04, CTW14, CG89b, Con89, DG95a, DSS86, DHW97, DFH+13, DM02, GP90, GMBZ90, GHNL87, GLN89, GH90, Hen93, HRR08a, KKB92, LR07, LKHL03, Leu89, LC99a, Liu86, Mat95, Mil01, Ng93, OW90, Ort88, OR88, OHZ98, Rao97, RSD16, Stp92, ZE92, Zhu93, ZG88]. **factorizations** [DW99, MRBQO14, mMvdV01]. **factors** [AGL08]. **fairness** [LFS14]. **Falk** [NSS15]. **false** [CAC+09]. **family** [GDMS97]. **fan** [VP95]. **fan-in** [VP95]. **farm** [GV06]. **farms** [Bus93]. **FAS** [SS90]. **Fast** [AV15, AW13, BT88, EL16, Gol86, GHC04, JK91, RR97, RKMJ10, RBS10, SB94b, Wen95, BG02, BWW89, BNK15, Cha88, Dod90, DZG94, GS89, GR01, GF03, Heg96, HJ97b, Hol95, LO92, LCLL00, Pet97, Pir93, Pir96, SKH+12, SWW99, Ter13, WYT+16, AFS14]. **faster** [BR89, OWZ91, SCCP08]. **fat** [ACM+15]. **fat-tree** [ACM+15]. **Fault** [ASDOK01, Fu03, GAR15, Hsi06, HCTH05, KH97, LH04b, NFG+13, SYAU07, SHCS86, XCS05, BS97, BHR09, CC02a, CS97a, Cho92, FBD01, FSKF06, Far96, Fu07, GLP98, GP98, HXCZ14, HG12, KL00, Leu93, Li90, Loh96, MLX07, ME89, PY00, QJ06, SS01, SW00, Tou02, Yua94, ZL04]. **fault-** [CS97a]. **Fault-tolerance** [SHCS86]. **Fault-tolerant** [ASDOK01, Fu03, GAR15, Hsi06, KH97, LH04b, XCS05, BHR09, CC02a, Cho92, Far96, Fu07, KL00, Loh96, PY00, QJ06, SW00, Yua94, ZL04]. **faults** [CC02a, CS97a, HC04, KLL+09, Shi01]. **faulty** [EAR93, Far94, GP96, Hsi06, LH02]. **FEAST** [GKT+15]. **feature** [WHW91]. **features** [Kao08, Oed92]. **Feedback**

[CZJS12, MM95]. **Feedback-controlled** [CZJS12]. **feedforward** [Han98]. **FEM** [DPSW00, GSMY+07]. **fermions** [EHN99, GLS99, KLN90]. **FETI** [RBM+16]. **FFT** [AL88, AGGM90, Cal96, DWM+01, HP91, IB01, JK92, MKK03, ND95, Swa84, SSB+91, Tak03, TTH95, Tem88]. **FFTs** [BP86, CN98, Swa87, SH01, SBO+91, WBS06, AAZ96]. **FGCS** [UAR+99]. **Fibonacci** [Mak94a, MS04a]. **fidelity** [DCG+07]. **FIDISOL** [SS88]. **field** [Gup99, IHM+12, Qua92, SMC16]. **fields** [BCCS07, SHRN98]. **Filaments** [LF00]. **file** [BOS+09, CPdM+97, CJLS14, FLYL16, GKS07, LZCT15, MK97, MQ97, NK97, PCN10, PGG11]. **filestore** [PR90]. **fill** [Ala89]. **fill-in** [Ala89]. **filled** [BM01a]. **Filling** [Kon11, GZ99]. **filter** [Hot89]. **filtered** [RW98]. **filtering** [BDK06, CS89c, EA95, MSW98, TB03]. **filters** [EG94b, TGE92]. **finance** [KNR00, Zen99]. **financial** [BGRD00, PGK+00, PŚ00]. **find** [SS89b]. **Finding** [Box92, CF90, GD90, LS97, CKM93, FB91, HRR08a, HM89c, HHH92, HWW92, Jan06, MBC92, MS89, RVD10, SLY90, Shy90, ZM88b]. **Fine** [KKW14, PTS+12, Ste13, XDZL10, DFRC90, Gao90, HS89, Lil94, MQ97, ZGG92]. **Fine-grain** [PTS+12, Gao90]. **Fine-grained** [KKW14, Ste13, XDZL10, DFRC90, Lil94, MQ97]. **Finite** [LL88, PZE94, SB96, AKK99, BFL+01, BM09, DDF+10, EZ99, EL95, FF92, FA11, FHMS93, GF89, GAR15, HJ97c, Kra84, LLP00, LR99, Lin93, MW11, MSW98, Nak05, Ram07, RWT97, Riz85, SHH+97, She96, Sil88, TA14, Wai88, WME+95, YNO97]. **finite-buffered** [Lin93]. **finite-difference** [GF89, MSW98, Ram07]. **finite-element** [DDF+10, GAR15, Kra84, Nak05]. **finite-volume** [Riz85]. **Fire** [HW02]. **First** [GJS93a, CKS03, GV08, Kre13, ME90c, SlWC89, TO89]. **first-fit** [GV08]. **first-party** [Kre13]. **Fischer** [Sut97]. **fit** [GV08]. **fitness** [Hur93]. **fitting** [CH98, C+01b, SM87]. **five** [GP85]. **Fixed** [PMS+13, CHLS90, DDP90b, Wei93, ZRPI89]. **fixed-size** [CHLS90, DDP90b]. **fixing** [SS94b]. **FLASH** [DAG+09]. **fleet** [BCG00]. **flexible** [DFRZ02, FHK+11, PYZC11, KL00]. **floating** [Kam88, LHS13, ZG16]. **floating-point** [Kam88, LHS13, ZG16]. **flow** [BSH88, BG97, CW97, DF00, El 93, EG95, EG90, FMS+06, GGFF93, HM01, JS13, KYLH01, LS93, Lun98, NA03, NP05, OCE+07, PAF+97, PCA01, PSF+15, SB94a, SHH+97, TO99, TCL92, TSJB00, WNES01, XT11, Xu07, MMT06, MAFC14]. **Flow-Shop** [MMT06]. **flows** [BM09, CLL99, DL04, Ema10, KT97, Lan96b, MT97, PMLT03, RWT97, SOS97, WH15, YD97]. **fluid** [ATL+12, Gen84, GIF+10, Kas84, LR89, MRRP11, PIG+16, RWT97, YNO97]. **fluid-particulate** [ATL+12]. **fluid-structure** [PIG+16, RWT97]. **focus** [GH98]. **focus-of-attention** [GH98]. **folding** [BE87, CLSM98, EG92b, OCSBY01, Rob00]. **followed** [HBH+16]. **following** [BG01]. **footprint** [WH15]. **force** [GVH08, RD07]. **forecast** [GJS93b]. **forecasting** [Sel95]. **Forecasts** [Kau94]. **forefronts** [BR84]. **foreign** [CC00b]. **forest** [DDP90b]. **Foreword** [CHD09]. **form** [BDK95, DvdG92, GL99, JW09, KK11, Kuz98, Lan96a, NW96]. **formal** [Cv98]. **format** [KKU16, Mar14]. **formation** [Yan04]. **forms** [DS05, Ort88, OR88, TND10]. **formula** [Eva89]. **formulating** [BEDdC16]. **Formulation** [CC96b, AB16, Bek95a, Bro86, MMC97, RWT97]. **formulations** [GKS98]. **forthcoming** [Ano97]. **FORTRAN** [BRH90, BDS88, CK90, DS87, GSZ88, LMJC96, RRS88, Sne88, WMCU97, van86, BZ99, BCC+97a, BCC+97b, CCL04,

CWB92, CI98, KY98, KT00, MVZ98, MZ01, Num05, PFS+04, ZBC94]. **forward** [CDM+10, MRW+08, TE92, YE94]. **four** [Che98a, DE09]. **four-connected** [Che98a]. **four-dimensional** [DE09]. **Fourier** [AV15, AW13, CT94, Cha88, DZG94, Heg96, HJ97b, RW98, SCCP08, Sur10]. **FP** [Lin91b]. **FP-based** [Lin91b]. **FPGA** [BCB02, GPW+08, GVH08, KSS06, OYS08, SDMS12, XDZL10]. **FPGA-based** [GVH08]. **FPGAs** [HMS+07, MC09, YPL12]. **FPS** [CFH89, Hoc89, Pop88]. **FPS-164** [Hoc89]. **Framework** [Bro86, SLH+13a, BCB02, BCCS07, BG98, BK07, CKRZ98, DG05, EZ99, GAA+13, GF13, HL99, JON08, JMA+13, KCG08, LPAZ97, MPZS13, MGT+13, MW88, SSLK00, SR10, Vio04, WFW+11, WS12, YZWcF14, SLC+16]. **frameworks** [HCJ03, MAB+02]. **Fredholm** [ADF93, BD89a, ER89]. **Free** [BPK12, Wil88, Ann89, CC96b, CL92, CS97a, GNY00, HGS10, JC94, LY93, Wan08]. **Free-Lagrange** [Wil88]. **FreeTIV** [PAD02]. **frequent** [Ski02]. **Front** [Ano02f, HK91, KLP11]. **frontal** [EGTD99]. **Frontiers** [Ano15a]. **FT** [HXCZ14]. **FUJITSU** [HL88, Heg96, IU87, NRN00, R+00, SE98]. **full** [CDV08, HM86, SST09]. **full-multigrid** [HM86]. **fully** [Gen87, HHH92, Lev90, LOKM99, RV95, TKK+05, ZLM98]. **fully-pipelined** [HHH92]. **Function** [Kog85, Fis90, MSB91, TH89, YLE95]. **Function-based** [Kog85]. **functional** [BHS99, Cha99, EZ99, Mah96]. **functionally** [Kas85]. **functions** [Bus93, CDGM96, Hur93, KS91b]. **Fundamental** [THK+99, CKM93]. **fundamental-cycle** [CKM93]. **Further** [Tem89]. **fusion** [Dar00, TBM+16b]. **future** [Cla03, FK94, MVZ98, SR14, UAR+99]. **Fuzzy** [DS93, DZ90, FGS97, TMCC02, WC15, ZRPI89]. **FX** [WSL88]. **FX/8** [WSL88]. **Gaining** [AGH+94]. **Galley** [NK97]. **GAMMA** [CC00c]. **ganglia** [MCC04]. **garbage** [Bev89]. **gas** [MT97, SR97]. **gating** [N+00]. **Gauge** [GAW96, BP89, Hio96, SS94b]. **Gauss** [BP02, CTT89, Mel87]. **GAUSSIAN** [GYL00, BKT91, BR90, CH98, CG87, CMRT88, DGP+16, Leu89, MR89, MMS90, PW84, Ris90, RDB+90]. **GCG** [EL90]. **gene** [Bur04, CFS01, BJV+16, WZV+16]. **Gene/Q** [WZV+16]. **Gene/Q** [BJV+16]. **General** [Gup99, MV99, ADLL03, AHBLR12, BE95, BCB02, CHH+01, DZG94, FG96, Hac89, JKH95, KKT00, LPNJR96, LSS88, LK00, MT90, MHT06, MP11, MSW98, Mun99, RSSS94, Sil88, WYT+16, WME+95, YK06, dV94]. **general-purpose** [Hac89]. **Generalised** [CKM94, EL90]. **Generalized** [LWS02, NC02, Bol86, CC01, HWYL89, KS16, KK94, Nat90, NSS15, RV95, ZM94, LW15]. **generate** [ME93b, LEH14]. **Generate-Test-Aggregate** [LEH14]. **generated** [DLPS92]. **Generating** [HvNJB12, IJM+05, LC02, TX00, TH89, EK92, GLG06, Lec89, LT94, TL90, TL94]. **generation** [AND05, AKNS91, BCGS93, BGWW97, BDSV98, BRS+08, CCS94, EAR93, EJLC97, Glo95a, GDAK06, Hoe12, Hwa04, JIC96, KPL+12, Kra84, LMJC96, Lin90, MS99a, SR97, SLC+16, Sun97b, YK87]. **generations** [HL99]. **Generative** [DF98, MAS06]. **generator** [APG92, Glo95b]. **generators** [DP90a, Deá90, DLS09, Mak94a, MM95, Mas98, MC04, MS04a, SMC03, dP90b]. **generic** [BBD+12, BAS13, Gog11, HLvHA11]. **Genesis** [Hey91, GHS02, Kau94, McB94b, STT94, Hey94]. **Genetic** [WSB90, AD96, ALNT04, CA92, DM04, Ekl04, Hur93, IT08, LW15, MG95, Moo04, Müh90, MSB91, ORM+10, OCPT97, POHS14, SBM+98, SVS01, SVS02, Wal01,

WWR05, WWT01, ML00]. **genetic-based** [POHS14]. **genlocking** [CWDG07]. **GenoMap** [SBM+98]. **genomic** [GGL+05, LH04a]. **genotyping** [SBM+98]. **Geocomputation** [Cla03]. **geographic** [HCJ03]. **geographical** [CMM03]. **geographically** [SSP+98]. **geological** [DS07, DDF+10]. **Geometric** [GO88, AK89b, KS95, LNS03]. **Geometrical** [FM15]. **geometries** [CLL99]. **geometry** [BE87, SM90, Sýk84]. **Germain** [MC04]. **GESIMA** [AFG+97]. **GF** [PW84]. **GF11** [KBD93, WZ90]. **GFLOP** [Taf01]. **GFLOP/s** [Taf01]. **gigabit** [EHR+98]. **Givens** [HK06, Kon02, VKS+15]. **Global** [CMPM+15, HHJP16, NZHY11, SS92, TCT00, BK94, BE88, BOS+09, BT01, ES89a, FWL03, GV14, HRT07, HM97, HCL05, Kat03, PEO16, PODd16, RE98, SWR+13]. **GMRES** [Li97, VvW98]. **Goals** [Gil94a]. **gossiping** [ST02]. **GPGPU** [MVdLvN16, TYSF13, TS09]. **GPGPUs** [DWX+12]. **GPU** [BEK+11, BGB10, CGK+16, CTW14, CKLM14, DN16, DG15, DWL+12, ESV10, FHK+11, FHK+15, GMMT16, GSMY+07, HSR+14, HVA+16, JS13, KPL+12, KS16, LLW+15, LGD+15, MSV15, OKTR13, OKF16, PTS+12, RBS10, SHvAP13, SPW+15, SSV+16, SMW+05, SIH14, TPK+13, TND10, TDB10, TLS16, VKS+15, WZCG14, WL14, WSR14, XT11, YWP11]. **GPU-accelerated** [DN16, SSV+16]. **GPU-based** [GMMT16, RBS10, SIH14, TND10]. **GPU-controlled** [OKF16]. **GPU-enabled** [DG15]. **GPU-enhanced** [GSMY+07]. **GPUs** [AFS14, AD14, DS13, HLP10, OIH10, RSD16, VFG12, VJ12, WC15, YPL12, AHBLR12]. **Gradient** [VJ12, BM90, CG89a, CGMM99, Dağ07, El 93, ETV91, EL90, EG94a, Fis90, GV14, Han98, HGLR07, KL90b, Kru97, Meu87, MZ95, O'L87, RR89, Sea86, Str08, TGE92]. **gradient-like** [RR89]. **gradients** [van86]. **Graham** [Chr00b]. **grain** [BSH88, Gao90, GW95, HS89, KY98, PTS+12]. **grained** [BBC+11, CDBL08, DG90, DFRC90, HHK95, KKW14, Lil94, MAFC14, MQ97, OHZ98, Ste13, XDZL10, ZGG92, dV94]. **Gram** [BO91, OW90, Str08, WC91]. **granularity** [Cal85, Mah96, MB88, MRSB94]. **GRAPE** [Sug99]. **Graph** [BHK00, BOG15, ÇFG+12, Dod89, HK00, HWYL89, MMS09, Pel97, SKC90, BM08, BVP+89, BGL+88, CDBL08, CLA15, CL92, CWC00, CP08, CKM93, DCR+16, DDP90a, Far96, GPC88, HLP10, HHH92, Hwa02, IR93, JDH96, KH95, LS98, LPH00, LC89, Lin01, LSF+15, ME84, Mar92, Miš98, MPD00, OTI+89, PD11, RM91, RKS92, SS89b, Shy90, ZY16, Zer90, ZK92, Zho93, ZM88b]. **graph-based** [DCR+16]. **graph-partitioning** [MPD00]. **graph-theoretic** [BM08]. **graphical** [DRJSW97, KCD+97]. **Graphics** [CM95, CJ97, CWDG07, GM07, HSS09, MIA+07, MAM+09, RSB05, RB03, SRH07, SA13, Sur10]. **graphs** [AB16, BDK98, BT99, Che96, DT96, DUG+06, EG95, FKPB15, Fei91, Fu07, Gor97, Got89, Hwa02, KKT00, KF95, Kru97, LJD93, LZ00, MT91, MT95, Man01b, WCKM11]. **GRASP** [ABR03, RR07]. **gray** [LCLL00, Cha88]. **greater** [FLW87, Par86]. **Greedy** [Kon02]. **GREMLINS** [CDJ08]. **Grid** [DMG+04, JBC+04, Laf02, PGG11, Sol88, A+02, BDK98, BCMG+07, BFVRC14, BDK06, BRS+08, CS95, CDK+03, CW06, CGQ93, CL05, CDJ08, DR95, DM04, DUG+06, EK98, GGV04, GM04a, GM04b, HST05, KTN+14, LLPV06, LG09, MMO07, MMT06, MMT07, MST94, PTK04, SSS+05, SG16, ST88, TLS+08, WVHR16, YCS07, YBM05, ZMMW90, DWH+08, FMM+02, LNA06, TKK+05, TRSHB04, WA03].

Grid-based [PGG11, BDK06, MMT07]. **Grid-enabled** [DMG+04, DUG+06, GM04a, LNA06]. **grids** [BCCS07, BG07, CRGR+13, CdCM07, Cér07, ČSR05, DA06, DL04, DST01, GCP11, GV06, HJ97c, JBC+07, JCWP07, LM06, LGM09, NP05, Pop88, PMLT03, Ran00, Sim91, Thu91, MTV08, MHL06, Ram07]. **GridSAT** [CW06]. **Ground** [LG01, FC05]. **group** [BE89, BE92, EC91, KR97, Kan97, ME90c, NA08, OA08, van91]. **group-ware** [Kan97]. **groups** [EB94, LJD93]. **growth** [WS04]. **GS** [XXQ+15]. **GS-DMR** [XXQ+15]. **guarantee** [FHL87]. **Guest** [DF95a, RC14, SYP13, TS02, UZ02, BH14]. **GUI** [VGS14]. **GUI-awareness** [VGS14]. **guided** [GBH98, NB12]. **GWAS** [PFTB15]. **gyration** [Rob00]. **Gyrokinetic** [MII+11, MWI+15].

Hadamard [AFS14]. **Hadoop** [CJLS14]. **Hamiltonian** [Che96, CST02, KL00]. **hamiltonicity** [Fu07, HCTH05]. **hand** [CLA14, Ter10]. **handling** [BE97, DG94, Fer97]. **Hardware** [HUYK04, Sab97, BCB02, BNK15, CT94, Gog11, GM07, NMMG13, PMS+13, PGAA16, SKH+12, NRN00, Oya99]. **hardware-software** [BNK15]. **hardware/software** [NMMG13]. **Hari** [NSS15]. **harmonic** [IHM+12]. **harness** [BE95, FBD01]. **Harry** [Ano03k]. **hash** [QP16]. **hashing** [GZ99]. **Haswell** [PGAA16]. **Hausdorff** [BL93b]. **HC** [BNK15]. **HC-1** [BNK15]. **head** [SHRN98, Wor97]. **headed** [Laf02]. **health** [PTK04]. **heap** [MNS87]. **heaps** [DP00, LL90]. **heating** [TTT+92]. **heavyweight** [RGdS+13]. **height** [Ver00]. **helix** [Meg90b]. **Helmholtz** [HJ97b]. **HEP** [DH84, HLM84, Hir86]. **Hermite** [BP02, JW09]. **Hertz** [ADTV01]. **Hessenberg** [BDK95, KK11, SK91, SNO99, TND10]. **Hessian** [Fis90]. **Heterogeneity** [Erc88, LR07, PRV08, SS94a]. **Heterogeneous** [KLR05, LFS14, MOW96, Sun97b, SG99, AAS13, ALNT04, AAO13, AFK01, AMMV98, BDPV99, BCVC05, BM11, BLRR02, BLR03, BHR09, BDNP11, BRRV11, BSD11, BDRV99, BCS15, CLA15, CC99a, CGM05, FHK+11, FHK+15, HJ05, JAA06, Kha12, KI05, Lan90, Las02, LR04, LDK16, LV15, MGT+13, PB16, PVP08, PP98, QJ06, RCAP11, SBP12, SSO+14, SS04]. **Heterogeneous-aware** [LFS14]. **Heuristic** [WS94, AG00, CNK93, DT96, GLS01, GPS03, TN13]. **heuristical** [Zer90, ZK92]. **Heuristics** [BD10, BDK96, CGM05, ALT04, ABMT99, ACGL04, BMA06, CA92, Liu98, LHK15, MMT06, RR07]. **hidden** [DVP90]. **Hiding** [GV14, MS03b]. **Hierarchical** [ATT92, BV96, DFH+13, MSZM14, TY91b, vOS+98, AFY+16, ADMV05, CLA15, DL05, EPMPU02, HA05, Kol94, KJ07, MTV08, Ols95, RG92, SHN12, SB92a, WZS+14, YMJT10]. **hierarchically** [GAR15]. **hierarchies** [KLP11]. **hierarchy** [CG89a, FDTZ04]. **High** [Ano16k, BAMK07, BA08, BVC16, CIS99, CLL99, CCS03, CBV13, CDK+03, CMM03, CV02, DDF+10, EHF+97, cFM07, GJMMS97, Ger98, Gog11, GYL00, GLDS96, GKKS01, HVA+16, HR04, JJM+11, MD04, MVZ98, MDC+08, NU05, OIH10, OGC+15, PFTB15, SH90, SHCR98, Zen99, AAV08, A+02, ABMN02, BGRD00, CZJS12, CJLS14, CD00, Cla03, DS03, DCG+07, DWB99, DK04, EPS98, FKK+06, GKS07, GMF00, GL97, HJ05, HRR02, HHJP16, HMH+13, KRW88, KT00, KCG08, KG03, LG01, LVC16, MKL+01, MSK14, MK97, MK12, MHL06, MGT+13, NS94, PGG11, RGBCS09, RW89, SAWH88, She93, SCM+98, SDMS99, SDMS05, SNO99, Tak06, TKC+14, TPK+14, TRSHB04, WJK98, Wel89, WS98, WvR16, YDTS01, ZLM98, ZSI02, BZ99, BBD+12, BCC+97a, BCC+97b,

DHS00, MZ01, PFS+04, KSM+94].
high-dimensional [HHJP16]. **High-End** [BVC16, CBV13, AAV08, MK12].
high-fidelity [DCG+07]. **High-level** [CCS03, Ger98, MGT+13, RW89].
High-order [SH90, DK04].
High-performance [BA08, CDK+03, CV02, DDF+10, EHF+97, cFM07, Gog11, GLDS96, GKKS01, HR04, MD04, OIH10, Zen99, A+02, ABMN02, CZJS12, CJLS14, GMF00, GL97, HRR02, KCG08, KG03, LVC16, MK97, RGBCS09, SCM+98, SDMS99, Tak06, TRSHB04, WS98, ZLM98].
high-speed [FKK+06]. **high-T** [KSM+94].
high-throughput [PGG11, TPK+14].
Higher [PS84, KHC92, MS00].
Higher-order [PS84]. **highlights** [McB88b].
Highly [BN01, SC95, BF95, BP86, Ori10, PW84, PW87, RBM+16]. **hints** [HK02b].
HIRLAM [SB97]. **historical** [FC05].
histories [CRD02]. **History** [MVZ98].
Hitachi [Tak03]. **HMMer** [OYS08]. **hoc** [CWK09, SSS+05]. **Hogs** [ORM+10].
Holistic [Sto89]. **holographic** [EMB89].
HOM4PS [LT09]. **HOM4PS-2.0** [LT09].
HOM4PS-2.0para [LT09]. **homogeneous** [CGM05, KRN+11, MCG+12, PVP08].
homology [BNK15, SNS+97]. **homotopy** [CARW91]. **Honeycomb** [TTH05].
Hopfield [SH90]. **host** [EB94, Str87].
host-computer [Str87]. **host-computer/array-processor** [Str87]. **hot** [AB93].
hot-spots [AB93]. **Hough** [vCd90].
householder [RH99, CUSR88, KCN99, OW90].
householder-QL [RH99]. **hp** [LLP00].
HPC [AAB+16, BDPV99, BOS+09, ECLV12, Gin99, KP12, Pan01, PRS+14, PB16, PSF+15, WL13b]. **HPF** [BCC+97b, DRST03, EGKU02, SNK06, SDv98].
HPFIT [BCC+97a, BCC+97b]. **HTA** [FBG+12]. **hub** [CSEK03]. **Hughes** [EG90].
hull [DZD01, EM85, HI92, SE87]. **human** [BM08, SHRN98]. **humanoid** [CDV08].
Hungarian [DN16]. **Hut** [GKS98]. **HVH** [FT93]. **Hybrid** [AGLP06, Hor91, IDS16, TBM+16b, WL13a, ADR+05, BEK+11, Cha99, CLC08, CTW14, GSE+15, GPS03, GHW08, IUY+04, KCN99, LSC+15, MRRP11, Nak05, Nat90, POHS14, PS06, RB14, RBM+16, SSL03, TPK+13, TND10, TDB10, WW92, WY11, WS12, WSR14, YWP11, Ken99]. **hybrid-memory** [RB14]. **Hybrid-view** [TBM+16b].
hydrodynamics [BSE88, Wil88].
hydrological [WFW+11]. **hydrophobic** [Rob00]. **Hyper** [AIO95, Lip99b, LPPS01, BFG+07, THK+99].
hyper-bus [THK+99]. **Hyper-ring** [AIO95]. **Hyper-systolic** [Lip99b, LPPS01].
hyper-threading [BFG+07]. **hyperbolic** [DG05, EL90, ME90c]. **hypercomputing** [CC97a]. **Hypercube** [BF92, Nel93, AL93a, AM93, Bro88b, CARW91, CC93, DDP90a, DDP90b, DG90, DFRC90, DFRC94, Don05, FOH87, Fu03, GP90, GMBZ90, GLN89, GF03, HCK94, Hsi06, KSP97, LD99, LS92, MV87a, PW89, Pop88, SER90, SKC90, SSB+91, SH01, TFS91, VP95, ZRPI89, ZMMW90, ZM96, KL00]. **hypercubes** [ASDOK01, BE88, Ber89, BD95, Cha88, CHLS90, CS97a, DVGG98, Dun91, EAR93, GP98, GS96, HC94, KLL+09, LBL95, LY93, LC99b, LF88, PS91, RDB+90, SAOKM01, She92, She95, SlWC89, SBO+91, TY91b, VB92, VB95, XCS05, YTCW07, Zhu93].
hypercubic [dG98]. **hypergraph** [FBAB13]. **Hyperion** [A+01a].
hyperspectral [PVP08].

I-Cluster [RMRN05]. **I/O** [Bak00, HMP+16, MQ97, PUSS97, SDMS12, TF98, WG97, YM05, ZYZ+16, SC03].
I/O-aware [ZYZ+16]. **IBM** [AL93b, BBB+94, Bri95, Car88a, CK90, GSZ88, GYL00, NMW93, Pet91, RRS88, Reu88, WZV+16, Web90]. **ICAP** [CC99b].
ICCG [RG92]. **ICENI** [FMM+02]. **ICL**

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Mel87, Mel88, MNP93, NHS+95, NZ97, NE01, Pis92, PGW16, RRS88, RR89, RS08, RP85, Reu88, RS88, SSSG03, SS02, SK87, SZ02, Slo91, SE93, Stp93]. **linear** [SE98, Sun97a, TKC+14, Ter10, Ter13, TDB10, THK14, Wag89, WE93, Wan08, YK06, ZM94, dP90b, van87a, van87b, DN16]. **Linear-time** [Ume01, Wan08]. **linearized** [HWB92]. **lines** [WAB89]. **link** [KSP97, KLL+09]. **link-disjoint** [KSP97]. **link-faults** [KLL+09]. **linkage** [SBM+98]. **linked** [SSP+98]. **links** [BMT92, CF04]. **LINPACK** [KK92, DZM+13]. **liquid** [PBTC89]. **LISSOM** [CC02b]. **List** [KKT00, SS04, YG93, Che08, CFH89, LC97, SSY10]. **lists** [KS95]. **live** [TKK+05]. **Livermore** [Feo88]. **LIW** [CCRR91]. **llc** [DLdS06]. **Load** [BP97, BS05, BM01b, DR93, EB94, GGV04, GH92, LX00, MCG+12, SGS95, YSBM97, BCPB05, BV04, BF95, Bog92, CE94, CS00, CG87, DLM97, DLR94, DR95, Dec00, DG90, DFM99, DPSW00, EB93, FMD98, FG96, HL97, Hor93b, HB99, JH97, KNP97, KEEF01, Koh95, MD04, MMT07, MSE07, MZ95, NC97, OBG00, PRR03, RCAP11, San99, SSLK00, Son94, TSJB00, VR95, YEC97, Zam99]. **Load-balancing** [GGV04, HL97, MZ95, TSJB00]. **Load-skewing** [LX00]. **loading** [BGM03, PM03]. **loads** [BD10, DG99, San99]. **Local** [BBL+16, BT01, DC15, EGKU02, TJ97, BL99, BFM90, CKLM14, Fre89, GHNL87, MPD00, Ng93, RS88, SDv98]. **local-memory** [GHNL87, Ng93]. **Locality** [RR16, CDA+16, FCC16, GPZ08, HCR01, Mah96, SIH14, Vio04]. **Locality-aware** [RR16, CDA+16, FCC16]. **locality-based** [GPZ08]. **localization** [ATA+16, KY98]. **locally** [SSP+98]. **location** [BCG00, CSEK03, GPS03]. **Log** [GLP08]. **Log-map** [GLP08]. **logarithmic** [BO91, GDMS97]. **LOGFLOW** [KNP97]. **logging** [PLY02]. **logic** [CF91, Her00, UAR+99, VKH99, Wel89]. **logical** [CZTS99]. **logistics** [LM03]. **LogP** [KKT00, LZ00, Ver00]. **LogP-machines** [LZ00]. **Long** [dP90b, LL88, OWW16, Zla88]. **Long-range** [dP90b, Zla88]. **long-track** [OWW16]. **longest** [Lin94]. **look** [BRS+08, Wei91]. **lookahead** [BT01]. **Loop** [BDSV98, BBC+11, BCR00, CDRV97, DR94, Dar00, DWX+12, DR96, GGL99, KR10, MJ95, MSE93, NL98, WMCU97, Xue94, YTCS97, YCS07]. **loop-carried** [BCR00]. **loops** [BPK12, BCR00, CK90, DFRR91, Feo88, GGL99, GDMS97, LK00, SM13, TM09, WW92, Xue96, Xue97]. **loosely** [CC99b, Gro87]. **loosely-coupled** [Gro87]. **Lop** [RGDM15]. **loss** [Lin93]. **Low** [XXQ+15, ARCH05, CFD+16, CC97b, CC00c, DHS00, GPSK09, HJ05, LAS90, Lec89, N+00, SSL03]. **low-cost** [CC00c]. **low-density** [ARCH05]. **Low-overhead** [XXQ+15]. **low-power** [CFD+16]. **lower** [GK92]. **lowest** [LO92]. **Lowry** [WWT01]. **LPN** [TSCS14]. **LU** [AC94b, DHW97, MW11, SB92a]. **LVQ** [HKSK97]. **Lyapunov** [BEK+11, KS16]. **LZ2** [De 95].

M [HE88, FD02, DG94]. **M-cache** [DG94]. **M3Set** [BE97]. **MAC** [CWK09]. **Machine** [BL94a, DLPS92, McB88a, Sin90, AK89a, Amm89, AGGG06, AGGM90, BDK96, Car98, DFR92, DG95b, DZG94, EHE92, EG90, FHMS93, GKAS91, Hor93a, LKTZ88, OTI+89, OKSY92, SB94b, Sor84, SJJ85, WP88, ZLPF16, DF91, Evr01, JK92, LSP92]. **machines** [AIO95, BKS06, BRS97, BMYK98, BD89b, Bro99, BWZ95, Cal96, CdCM07, DG90, ED04, GMS04, JK91, JCL92, KA96, Lan99, Lan90, Li91, LS93, LZ00, LF00, MW94, MOW96, NH11, SN88, SNK06, SS94b, TX00, TPK+13, Wor97, ZZ03, ZGG92, dGR95, di 97, DFO93].

macro [MSW91]. **macro-tasking** [MSW91]. **macros** [BRH90]. **macroscopic** [Wei01]. **macrotasking** [DO88]. **MAD** [KGV97]. **Madeleine** [ABMN02]. **magnetic** [MRW+08, SHRN98]. **magnetohydrodynamic** [KT00]. **Maintenance** [WE91b]. **making** [KNR00]. **MALLBA** [AAB+06]. **malleable** [MSMC15a]. **management** [A+02, ACM+15, Bak00, BCG00, BGL01, CDM+10, DCR+16, DWH+08, Kan97, KKH04, LLP00, LF98, LMH08, PŚ00, RMRN05, RGBC11, SVC07, TPK+14, Y+02, YD01, YBM05, ZCPT00, vOS+98, MPZS13]. **managers** [RMACG10]. **managing** [LLP00]. **maneuvering** [TB03]. **manifesto** [Col04]. **manifold** [Han85, Pap98]. **manipulating** [MHT06]. **manipulation** [AL93a]. **MANNA** [Sod02]. **manufacturer** [SH91]. **many** [ABB+16, Cal85, CDGI15, DEH+11, AKK16, GB14, JMA+13, SBP12, SA13, Sug99]. **many-body** [Sug99]. **many-core** [ABB+16, CDGI15, DEH+11, GB14, SBP12, SA13]. **many-cores** [JMA+13]. **many-processor** [Cal85]. **manycore** [AAO13, MII+11, MCB16, TDB10]. **manycores** [BH14, CFD+16]. **map** [GLP08, KSS06, TN13, WHW91]. **map-reduce** [TN13]. **Mapping** [BDNP11, DR94, DR96, FFLV96, DST15, HKSK97, HHSM88, KM89, LBL95, MM96a, Pop88, SSS+05, TMCC02, Wol89, ARCH05, AAO13, BBL+16, BE93a, CHLS90, CA92, CDA+16, DCN+15, GAMR03, HCT16, Hen93, Hur93, KNP97, KTN+14, MGSK87, RV96, RH12, SER90, SNK06, SM91, YL86, ZLD15]. **mappings** [BM93, RKS92]. **MapReduce** [KdBMA+13, MMM13, PD11, RDS13]. **marching** [Vaj84]. **market** [CC00b, CL05]. **marketplace** [SDMS99, SDMS05]. **Markov** [Beb97]. **masks** [APRP97]. **mass** [ND95]. **massive** [DM90, Ger94, KTN+14, Xue94]. **Massively** [B+00, CGK+16, DFO93, GL90, TMD+97, W+99, AK89a, AMP92, BRS97, BHM+95, BEK95b, BWZ95, BK97, ÇFG+12, CR90, DFR92, DEGS95, DFRC94, DAG+09, Ekl04, GWWM09, Ger98, GHC04, HLDS95, HISS92, KK01, KCN99, Li97, NNB+99, NZ92, Rea90, RR97, RKMJ10, SHPA05, SSB12, TJ97, WRB97, WOKH96, YNO97]. **massively-parallel** [HISS92]. **Master** [CMSL06, BPP10, HP05, JMLBL98, PRV08, dSS09]. **master-slave** [HP05, PRV08, dSS09]. **master-worker** [BPP10]. **Master/Worker** [CMSL06]. **masters** [MV99]. **Match** [AT98]. **matching** [AB16, BGL+88, CDBL08, Dod89, HHQ06, KBBC88, LPM11, LAHM14, LSF+15, MPD00, SHPA05, SSB12, SKC90, TLS16]. **matchings** [OA91]. **materials** [AC00, YD97]. **Mathematical** [ES89a, LS90, Zla88]. **MATLAB** [UÇA10, EL16]. **matrices** [BW92, BRS97, CU04, Con89, EB98, GD90, GKAS91, KGS08, KKSS90, Kuz98, Lan96a, LE91, Liu89, MJ94, MW11, Mel88, MP02, MMS90, Pet84, Pin91, SK91, SMM90, THM+95, VP94, VB95, Wai88, WC90, ZVWS88, GV11]. **Matrix** [AGPS03, ASSS11, AGKS15, AGKS16, ABH+10, BDG+10, CGNR06, DS13, FOH87, GMMT16, MV87a, UÇA10, ASA16, Ala95, AMP92, AC94b, AB16, Bar95, Bar97, BG01, BGSS14, BR89, Ber89, BDK95, BF06, BVWH14, CKM94, CS87, CDW95, CG89b, CGQ93, CMT96, DD87, DEGS95, DSS86, Dow95, DB03, EM88, EMB89, EM90, EL91, Eva92, EW93, FAF16, FG89, Fis90, FPT91, FG96, GR01, GPS+08, GS96, GKV94, HH91, HCR01, HRR08b, Joh93, Kak88, KG87, KST02, KP93, KK94, KD10, KAD09, Leu89, Lin91a, LPPS01, LV15, LT90, Mal02, MRBQO14, Mar14, MWH95, ME89, Meg90b, MS89, NYFK06, NM01, Nel93, NW96, OZ02, Pet91, RH99, Ris90, RZ95, RR16, SA16, Sil88, Ste90, TY91a, TM90, VTmL03, VFG12, WP88, WE93, WL14, WOV+09,

WRS12, YE95, YB11]. **matrix** [ZDE95]. **matrix-algebraic** [AB16]. **matrix-based** [WL14]. **matrix-matrix** [Ris90, RR16]. **matrix-squaring** [EL91]. **Matrix-Vector** [DS13, AMP92, CMT96, DEGS95, FG89, GR01, HCR01, KD10, Lin91a, LV15, Mar14, WOV+09, YB11]. **maturity** [FMM10]. **max** [SB92b]. **max-min** [SB92b]. **maximal** [AB16, CS97a, CC92, GS04, HC04, SM88]. **maximize** [ZLPF16]. **Maximizing** [LL98]. **maximum** [BM93, CMM+88a, HM89c, LAHM14, Mal02, NA03, SKC90, Shy90, Wen95]. **Maxwell** [ABG+06, DE09, HKL01]. **MBSP** [Ger15]. **MCSPARSE** [GMW96]. **means** [BCYB11]. **measure** [OWZ91, Zub90]. **measurement** [EHHS89, OL86]. **measurements** [Hoc85b, PSS94, RH13, Tem89]. **measures** [HCR01]. **mechanic** [SWW99]. **mechanical** [CT88, KR00]. **mechanism** [DG94, MSS+05, PSF+15, RGBCS09]. **mechanisms** [CPdM+97]. **media** [DP02, DDF+10, GM98, JSC97, RBL97, WB97]. **medial** [Wan09]. **median** [GLMBMPMV03]. **mediaprocessors** [MKK03]. **medical** [BMYK98, Chr98, DCDV98, SHPA05, WJK98]. **Medium** [Kau94]. **Medium-range** [Kau94]. **meeting** [DA06]. **Megacell** [LKTZ88]. **MEGAFLOW** [A+01b]. **Meiko** [BCM94, BHM94, Hoc94]. **melts** [OCSBY01]. **membranes** [SSV+16]. **Memoriam** [Hol11]. **memories** [ARZ97, PPZ93]. **Memory** [BS00b, CAA98, DCD97, DGBP05, KKH04, Sch91b, AGH+94, AGL08, ADMV05, AB16, BG91a, Bai88, BKS06, BZ96, BZ99, BD10, BC04, BFM90, BM01b, BD89b, BDS88, Bro87, Bro88b, BS96, Bru91, BCMSW03, BMG07, BFR93, Cal96, CSH+11, CDW95, CG89a, CG89b, CSW01, CRT89, CJ95, DL92, DR94, DR93, DLR94, DH91, DvdG92, DZG94, DM02, ECG93, EHHS89, FFLV96, Fie96, FBMV88, FA11, FHMS93, FBAB13, FDTZ04, FM88, Fre89, GSE+15, GD90, GHNL87, Ger98, GK92, GHH+03, GB14, GL97, GLU03, HH91, HM02, HCT16, Hey91, HC89, HK90b, IKK15, IHM+12, JIC96, Jor86, KW90, KK03, KK11, KJA15, KV99, KKŽ05, KZV97, KA96, Kuz98, LSL14, Lan99, LPM11, LR07, Lee95, LC02, LSL02, LS93, LF00, MP92, MMC97, Mar95, MM00, Mat95]. **memory** [MSSC10, MCP+14, MW94, MBC97, Ng93, NA08, OL86, PLY02, PK05, PRV87, PB16, PGAA16, Phi91, RB14, RDS13, RGDM15, RMACG10, RS88, RG92, Rot95, RV95, SSKÇ15, SNK06, SK97a, SG02a, SB94b, Sol88, SB92a, Sun97a, TX00, TSCS14, TB07, Tol02, VA14, WW95, Wal94a, Wal94b, WC94, WME+95, WY11, WH15, WE92, Wil88, Wri91, YSBM97, ZE92, dGR95, di 97, DR15, HL13]. **memory-constrained** [TSCS14]. **memory-coupled** [FBMV88]. **merge** [AHBLR12, EY86]. **mergesort** [BGV97]. **Merging** [GS01, GS06, CG92, Eva90, HK90b, VIHD90, WE91a]. **Mesh** [HST87, AAZ96, BN01, BCYB11, BAS13, CC95, CD00, DHS89, DPSW00, DG05, DG99, EJLC00, FK98, Far94, FCC16, Fie96, Glo95b, GV08, HHK95, HI92, HT98, IDS16, IJCL96, Jan06, Jeo91a, Jeo91b, Kak88, KH97, KŠR04a, KŠR04b, Lan96b, Lee97, MM96b, MGT+13, OBG00, RVGG01, Sch91a, Son92, VTmL03, WC00, WN91, Wan08, YD01, YSBM97, dG98, de 96]. **mesh-adaptive** [DG05]. **mesh-based** [de 96]. **Mesh-connected** [HST87, CC95, HI92, Jeo91a, Jeo91b, Son92, WN91, YD01]. **mesh-of-processors** [DHS89]. **mesh-particle** [BAS13]. **mesh-partitioning** [KŠR04a, KŠR04b]. **meshes** [Bar97, BL99, BMT92, CC02a, CST02, DAD11, Glo95a, HB94, HM97, MB00, NC02, OSZ93, RV96, ST02, SW00, TT00, Tro00, VB92, ZL04]. **Mesoscale** [Adr99, Mic97, AFG+97, TMD+97]. **Message** [BCM94, BL94a, Fer97, GDAK06,

PW89, SSOB03, AB02, ARCH05, AE93, BRWL09, BDOS95, BWL00, CHHW94, CGMS94, CDZ+98, CCS03, DG94, DM02, FK94, Gog11, HP05, HM86, ISO+03, Jia09, JIC96, KM89, KNTG08, MRBQO14, McB94a, MRT93, MBK12, MKL+88, NC02, Pie94, Pry97, SK97a, Ste90, TO91, Wak04, Wal94a, Wal94b, WLYJ13, WY11, FGG+98, GLDS96, WZL09]. **message-based** [HM86, KM89, MKL+88]. **message-dependent** [WLYJ13]. **message-driven** [MBK12]. **message-handling** [DG94]. **Message-passing** [BL94a, GDAK06, ARCH05, AE93, BRWL09, BDOS95, BWL00, CHHW94, CGMS94, CDZ+98, CCS03, Gog11, MRBQO14, MRT93, Pry97, SK97a, TO91]. **messages** [BL94b, Gir02, TM94]. **Messaging** [ZKCL04]. **meta** [MT00, MMT06, SK97b]. **meta-heuristics** [MMT06]. **meta-level** [SK97b]. **meta-systems** [MT00]. **metabolic** [JTS+11]. **Metacomputing** [EHR+98, vOS+98, BGK+98, BG98, DFRZ02]. **metadata** [DCR+16]. **meteorological** [Car88b, MSM98]. **Method** [DVGG98, AL93a, AGL08, ALH+14, AHBLR12, BSE88, BG91a, Beb97, BE92, BBQOQO00, BG97, Ber00, BFM90, BP02, CH98, CLS+16, CAC+09, Car88b, Cha99, Cv98, CL02, CGMM99, CKLM14, DM03, Dag̃07, DL92, DL97, Dav88, DR03, ES88, ETV91, ESK88, ES89b, EC91, EL91, Eva91, Eva92, EG94a, Gao87, Gol88, GdCCS03, GKS98, Has01, HK92b, Hor93b, HHSM88, ISO+03, KR97, KS89, Kan93, KG87, Kas85, Koç97, Kru97, LRH97, Li97, ME90a, MW11, MBC92, Mei85, Meu87, Mv88, Mil01, MS91, NYFK06, NC02, OJ90, PLP97, PJ84, PJV00, PL00, Pir96, RSK99, RV95, RVGG01, SCCP08, SCCPM14, SS89b, Sch87, SY87, Slo91, Sur10, TGE92, Ter13, VBS+15, VJ12, VA14, Wak04, WL13a, WWR05, WBS06, WY11, WAB89, WH93, XT11, YE94, YE95, YTSI13]. **method** [YWP11, dF99, van87a, Ger94]. **Methodologies** [OKSY92]. **methodology** [BE93a, CMT04b, DSCP88, GF03]. **Methods** [Lop93, Reu99, TO99, ADF93, AFPG12, Bai99, BRS97, BE89, BD89b, BM90, CS95, CG89a, CS96, DF00, DL04, DK04, Eis89, Eva84, EY90, EL90, EK98, FBMV88, GT92, HA05, HM89a, HZ93, HM86, HHR87, JDG02, KW90, KHC92, LR99, LP92, MS03a, MRW+08, MQ89, MSZM14, ME90c, Meh93, Mis87, Nak05, ÖW10, Oli96, Ort88, OR88, PS89a, Pel97, PŚ00, RM97, RT88, Rod85, SGS95, She96, Str08, SP93, TKG97, Thu90, Thu91, WB88, Wat00, YM05, YSBM97, Zha95, de 96]. **METIS** [TTT+92]. **metric** [FBAB13, Jeo91b, SG91]. **Metrics** [Ori10, PMAL14, Wor91]. **Mfold** [MSSC10]. **MGR** [Kam87]. **Miami** [BDOS95]. **MICOM** [BDOS95]. **Micro** [EO91, FA11, NR01, TA14]. **Micro-** [EO91]. **micro-finite** [FA11]. **micro-simulation** [NR01]. **microcode** [SC92]. **microprocessor** [RG09]. **Microscopic** [NS94, Wei01]. **Microtasking** [DO88]. **Middleware** [BAB+02, DFRZ02, GE11, HSÇ12]. **migration** [BTZ06, BK07, CRGM16, GV08, HB84, LSL02, RIB10, SSS99]. **mildly** [Pir93, Pir96]. **military** [LG01]. **MIMD** [AB02, AGGM90, ADE84, BBK90, BE89, BE92, BE93b, Bog92, BT88, Chr98, CMRT88, CF90, CJ95, ER95a, ER95b, FFLV96, GKAS91, Hoc85a, Jor86, Koh95, Kut02, LPCA98, LE91, MR89, MW94, MMS90, NM01, SN88, Sen91, SSL03, Sor84, Ste88, Uhl96, ZBG88]. **MIMD/SIMD** [MW94, ZBG88]. **min** [SB92b, ZG16, MSS+05]. **min-cut** [ZG16]. **minima** [Kim98]. **Minimal** [BHK89, BR90, CF04, Tap84b, TL94, XC02, ZL04]. **minimize** [LX00]. **Minimizing**

[HK02a, Joh93, LL98, WL14]. **Minimum** [BDK96, LC99a, BG97, Cal96, CG93, CMT96, DDP90b, HWW92, LS97, Ume89, WL13a]. **Minimum-weight** [BDK96]. **mining** [C+01b, CV02, GM04a, GK04, HLvHA11, SSN04, VA14]. **minisupercomputers** [WSL88]. **MIP** [APPG15]. **Miscellaneous** [Ano97]. **miss** [LD98, RH13]. **Mixed** [OM90, BEK+11, HSS07, HHOMR06, PWY03, RC15, SK87]. **mixed-mode** [HSS07]. **mixed-precision** [BEK+11]. **mixing** [CdCM07, GJMMS97]. **mixture** [EPMPU02]. **MkIIa** [ADE84]. **ML** [GH98]. **MLEM** [Möl99]. **MLP** [Taf01]. **MM5** [Mic97]. **MM90** [Mic97]. **mobile** [APPG15]. **mobility** [DMT06]. **Möbius** [HC04]. **mode** [GWC+99, HSS07]. **Model** [BDOS95, WRS12, AL93b, AFG+97, BMS01a, BDI+95, BFVRC14, BI07, BJSN04, CE94, CCEJ01, CK90, CC96b, CC00b, CH92, CGM+92, CH97, DM97, DGNP88, DS03, DFM+95, FK98, FGHB94, FMS+06, FBAB13, FG96, FT93, GE11, GLS01, GS01, Ger15, GCP11, God00, GPZ08, HRW+95, HLDS95, HLvHA11, HB90, HT92, HB84, IB01, JAA06, JKH95, JMA+13, Kas84, Kat86, KD97, KSS98, KA96, KK94, KS99, LH88, Lin01, MRW+08, MSM98, MS99a, MM96b, MZ95, NLG99, Nak05, OCPT97, PFS+04, PEO16, RRS+00, RR14, RR16, SHN12, SKC90, SPW+15, SB97, SW03, TMD+97, Tol02, Van02, Ver00, WNES01, WM97, WME+95, WvR16, WWT01, YK06, YK08, Yaş01, ZCPT00, de 96, Adr99, HW02, Mic97, RIB10]. **Model-driven** [WRS12, JMA+13]. **Modeling** [AE93, CMSL06, CC99a, GHH+03, HCR01, LGM09, LF88, MRSB94, RGDM15, TYSF13, AATK10, BMS97, BMS01b, CC96a, CLA15, CTW14, DS96, DF95a, DF95b, ES89a, FHK+15, HGS10, Kot97, KNTG08, LG01, Lin08, MVdLvN16, MJ99, NS94, SXBD97, WN91, WFW+11]. **Modell** [SK97a]. **modelled** [CM95]. **Modelling** [EHHS89, ME92c, OL86, PWM00, Ano99b, BR99, BS96, BGRD00, DS07, DRJSW97, MST94, MSV15, ORS90, OZ02, PTK04, SHRN98]. **Models** [BVC16, ZDE95, AGL08, BH14, BK94, BG07, BPP10, BWZ95, CBV13, FRS+88, GSE+15, GK03, Gil94b, HK00, Hoe12, JMLBL98, KLS+88, LD98, Liu86, LP92, MM96a, Mal02, MPZS13, MCB05, MTV08, MLM+00, MSW98, NZHY11, RE98, RP85, Rob00, San02, SA16, TL96, Xu07, YMJT10, Zla88]. **moderate** [Uhl96]. **modern** [BMYK98, Gil88, PCN10, TF98]. **modified** [CH92, CKLM14, OW90, WN91, YE94, GGFF93]. **modifying** [KJ07]. **ModSAF** [BG98]. **MODTRAN** [WLCG02, BRS+08]. **MODTRAN-based** [BRS+08]. **Modular** [Bar95, TO91]. **moduli** [Mas98, MC04]. **Molecular** [GM04b, N+00, AFPG12, BL94a, BCA08, CCCP92, DG15, DMG+04, GM04a, GVH08, GHC04, HC05, KHN01, LBL95, LVC16, LBWR90, MT97, MO99, NC97, PJV00, PBTC89, SSS92, SWW99, STKA96, TJJ93]. **molecules** [RD07]. **moments** [LCLL00]. **monadic** [BI07]. **Mondriaan** [BF06]. **monitoring** [AAB+16, JCWP07, KNP97, Kre13, MCC04]. **Monitors** [BL94b]. **mono** [MPJ03]. **mono-implicit** [MPJ03]. **monodirectional** [BMT92]. **monotonic** [BPEL05]. **Monte** [Ken99, vS92, ACC+88, BSH88, BLFT84, DP95, FHL87, FHJ+84, GPW+08, HA97, HSFS14, LM00, mM94, MD88, MAM+09, MB88, ÖW10, ZLM98]. **morphology** [LS90]. **most** [HWW92, LS97]. **motifs** [FM15]. **motions** [FC05]. **motivations** [Gup99]. **movement** [BJV+16, THK+99]. **moves** [DW00]. **moving** [DAD11]. **MP** [Oed92, ARW93, Cal85, DH91, FSY88, Gur88, Hoc85b, HKN89, KN88, MSW91, Nag90, OL86, Pin91, RR97, SW91, Sea86, Tem89]. **MP-1** [RR97]. **MP/48** [Meu87]. **MP/48** [Nag88]. **MP2** [Ber00]. **MPAS** [OAJ+16].

MPAS-ocean [OAJ+16]. **mpC** [Las02]. **MPDATA** [WSR14]. **MPEG** [AALK01, BC04, NU05]. **MPEG-2** [AALK01]. **MPEG-4** [NU05]. **MPI** [ADLL03, ADR+05, CRGM16, FBD01, GLDS96, GL97, GT07, HG12, IDS16, JJM+11, LK14, LFL11, MSMC15a, MAS06, MRRP11, MMM13, PGBF+07, PD11, Ram07, RGDM15, TSCS14, TGL02, TG09, Trä12, VGRS16, Wal01]. **MPI-based** [TSCS14]. **MPI-IO** [TGL02]. **MPI-thread** [IDS16]. **MPI/OpenMP** [ADR+05]. **MPICH2** [BMG07]. **mpiecho** [RGdS+13]. **MPP** [Hoc94, SSP+98, SWC99, XH96]. **MPPs** [MS03b]. **MPSoCs** [SSO+14]. **MR** [HE88, PB11]. **MRO** [MMM13]. **MRO-MPI** [MMM13]. **MRSG** [KdBMA+13]. **MSPAI** [HKR+10]. **Multi** [HHGA15, JS13, SHvAP13, XT11, ZP16, ZL04, AAV08, ACGL04, Bar95, BL99, BFL+01, BL94a, BD10, B+02, BNS+07, BNK15, CRGR+13, ÇFG+12, CLA15, CC00a, CCW01, CSB00, CDGI15, DR95, Dod89, DFH+13, DWL+12, EJLC00, FWL03, Far94, FT93, Ger15, HSR+14, Hor93b, HRR08b, IM88, JAA06, JJM+11, Kat01, KKH04, Kie91, KD10, LNA06, MII+11, MWI+15, MPZS13, MSW91, Müh90, NMMG13, PFS+04, POHS14, PB11, PL00, PTS+12, SC03, SFSV13, SPW+15, SM90, VJ11, VA14, WZS+14, WY11, Wor97, YLW+13, vv91, LGD+15]. **multi-** [CDGI15, MII+11]. **Multi-accelerator** [HHGA15]. **multi-attribute** [CRGR+13]. **multi-cell** [BL94a]. **multi-chip** [NMMG13]. **multi-cluster** [JAA06]. **multi-core** [AAV08, BNS+07, ÇFG+12, CLA15, DFH+13, Ger15, JJM+11, KD10, PB11, PTS+12, SFSV13, SPW+15, VJ11, VA14, WZS+14, WY11]. **multi-cores** [MPZS13]. **multi-CPU** [LGD+15]. **multi-dimensional** [B+02, CC00a, CCW01, EJLC00, Far94]. **Multi-GPU** [SHvAP13, XT11, HSR+14, LGD+15]. **multi-grid** [DR95]. **multi-head** [Wor97]. **multi-job** [MSW91]. **multi-layer** [FT93, Müh90, PFS+04, SM90]. **Multi-level** [JS13, Hor93b, HRR08b]. **multi-linear** [Bar95]. **multi-objective** [LNA06]. **multi-parallel** [BNK15]. **multi-partitioning** [BFL+01]. **Multi-phase** [ZL04]. **multi-platform** [DWL+12]. **multi-point** [POHS14]. **multi-point-boundary-value** [Kie91]. **multi-processor** [Kat01, YLW+13]. **multi-reference** [PL00]. **multi-round** [BD10]. **multi-scale** [MWI+15]. **multi-scattering** [BL99]. **multi-storage** [SC03]. **Multi-tenancy** [ZP16]. **multi-threaded** [CSB00, KKH04]. **multi-threading** [FWL03]. **multi-user** [vv91]. **multi-vector** [IM88]. **multi-vehicle** [ACGL04]. **multiblock** [DLR94, Ran00, di 97]. **multibody** [FP98, GIF+10]. **MultiBoson** [dF99]. **Multicast** [CWC00, ACLN03, GLG06, KEEF01, LBH07, Miš98, NLP+15]. **multicasting** [XCS05]. **MultiCL** [APBcF16]. **multicommodity** [GPS03]. **multicomputer** [BF95, BR99, CGM+92, CF90, Don05, DG94, Kam87, MO89, MRT93, NA08, RVGG01]. **multicomputers** [AC94a, AC94b, CDR+95, DHL07, GPC88, Lee95, Lee97, MM96b, SH01, WW95, YD01]. **multiconfigurable** [Tap84b]. **multicore** [AART13, BM08, BLKD09, EL16, LLW+15, WOV+09, YMJT10, YMG14]. **multicores** [BH14]. **multidimensional** [AKSS07, DLM97, FA96, SS92, TN13]. **multifrontal** [AGL08, ADGS10, Duf86, GLU03, LSL14, YWP11]. **multigrain** [MS03b]. **Multigrid** [LS93, Ale91, Ale94, DL04, FBMV88, FA11, GAR15, GZ99, HKL01, HJ97b, HM86, HK92b, IHM+12, KS01, LSS88, LPMD01, Oli96, PMLT03, RSSS94, SS90, TCL92, di 97]. **multigrid-extrapolation** [HK92b].

Multilevel [HSS09, ABG+06, CLA14, HS90, HM89a, MQ89, MPD00, WC00]. **multimedia** [Che98b, DCD97, HXW+13]. **multimicroprocessor** [Kas85]. **multiobjective** [DST15, dTNOR+04]. **multioutput** [NAC+14]. **multiphase** [OCE+07]. **multiphysics** [DAG+09, PIG+16]. **multipipelines** [Cho91]. **multiple** [ALH+14, BCRSR11, BDK06, BJV+16, CWK09, DGNP88, DLS09, Dod90, GHP10, Gol88, GDMS97, Hoc89, Jia09, Kie94, Nag88, OGC+15, Qua92, SSP+98, SSS+05, Tak10, Ter10, VTmL03, VJ12, VK92]. **multiple-precision** [Tak10]. **multiplexers** [Lin93]. **Multiplication** [DS13, MJ94, ASA16, AMP92, BR89, Ber89, BVWH14, CS87, DEGS95, FAF16, FOH87, GR01, GS96, GKV94, HRR08b, Joh93, Kak88, KAD09, Lin91a, LPPS01, LV15, Mar14, Nel93, Pet91, Ris90, RZ95, RR16, SMM90, TM90, VTmL03, WOV+09, WRS12, YB11]. **multiplicative** [MS04a]. **Multipole** [SSSG03, SWW99]. **Multipole-based** [SSSG03]. **Multiprocessing** [VGS14, GBH98, GO88, KI05, SG02a]. **Multiprocessor** [AD96, KRW88, Swa87, VLL90, AALK01, ABMT99, AGB97, AB93, ADMV05, ADE84, Axe86, AE93, BG91a, BA95, BC04, BDSd94, BS96, BFR93, CG93, CG87, CG89b, CG92, Cor00, DFRC94, Dzw91, ECG93, Eis89, ES88, EO91, FHKZ88, GP85, GD90, GSZ88, GHNL87, GV08, Hag91, Hat06, Her88, KW90, KD97, KHC92, KLN90, KM89, LH88, Lil94, Mah96, MRW+08, MM00, MF16, MSS+05, Mis87, MNS87, Nat90, Ng93, PJ84, PRV87, PZE94, Phi91, RRS88, RR89, RT88, RS88, RG92, She93, SJJ85, Sto89, TYKA95, Wor92, Wri91, WHW91, Y+99, ZE92, ZG88]. **multiprocessor-systems** [Hag91]. **multiprocessors** [APRP97, BS97, BM01b, CG89a, CHLO85, CJ95, DFRC90, DT96, Eva90, Fie96, FM88, GYH94, Gre89, HM89a, HM86, HK02b, HB84, Joh93, Jor88, KS89, KK03, KV99, MMC97, MQ89, MKL+88, PSS01, Pir93, Qui88, Rot95, SM91, Stp92, Sun97a, TO91, WW90, WW92, WE91b, WE92, Wol89]. **multiprogramming** [NL91]. **multiresolution** [GWLS05, NC97]. **Multiscattering** [Li94]. **multiselection** [Als01, OW91, She97]. **multisplitting** [Bai99, PS89a, ZDE95]. **multistage** [Blo03, HW94, Leu93, LMH08, Y+99]. **multitask** [DST15]. **Multitasking** [FSY88, HKN89, Meu87, CCS87, DCG90, Nag88, Nag90]. **multithreaded** [AFD13, A+01a, ÇFG+12, Evr01, LLL10, Mar14, NB12, Sod02, TG09, TDW03]. **multivariable** [KS91b]. **Multivariate** [dG98]. **MUPPET** [MKL+88]. **MX** [Gog11].

N [GZTR07]. **N3S** [CLL99]. **N3S-NATUR** [CLL99]. **NAG** [DMWW88]. **nanoclients** [Cla03]. **nanoelectronics** [LK10, WRB97]. **national** [YK87]. **NATUR** [CLL99]. **nature** [ZEgT04]. **nature-inspired** [ZEgT04]. **Navier** [GV01, VvBv90, AIIV98, Bas94, LSS88, OJ90, PATC99, PCA01]. **NCAR** [HRW+95]. **Ncube** [Dun91, SV94]. **Nearest** [Li91, BJP+89, CAC+09, DFM99, San99]. **nearest-neighbour** [BJP+89]. **nearly** [VB95]. **NEC** [HCH+96, Wat87]. **negating** [RH13]. **neighbor** [DFM99, DL06, EY86, Li91, San99, TTH95]. **neighbor-joining** [DL06]. **Neighborhood** [OID+12]. **neighbors** [CAC+09]. **neighbour** [BJP+89, Zam99]. **Nemesis** [BMG07]. **nephrons** [BJP+89]. **nervous** [WS04]. **nested** [BPK12, BS05, CCGG14, Con90, HCT16, MCB16, MSZM14, THH+05, WW92, Xue96, Xue97]. **NestedMP** [HCT16]. **nests** [DR94, DR96, GGL99]. **net** [Mak94b, MS89, WN91, WH94]. **nets** [CFC99]. **NetSolve** [CD98]. **Network**

[ACLN03, EG90, KBG+01, Ann89, AFK01, BM08, Bar97, BCRSR11, BP97, BWT+08, CZ91, CC02b, CF04, CH92, CD00, DT95, Dzw91, El 93, EC91, EB94, FRS+88, FA96, FHKZ88, FCM03, GS04, GDMS97, HWYL89, Kal90, KS05, KRN+11, KV99, KTN+14, Kol94, KJ07, kLH95, LX00, LLL10, LH00, MM96a, MS03b, NZ92, PMS+13, RGBC11, SS95, SKY93, SOS97, SVC07, She93, SKC90, SS01, Sun97b, Tak06, TMCC02, Tou02, THK+99, WC91, WH91, WH93, WS94, YMJT10, Y+99, ZM88a]. **network-embedded** [SVC07]. **networks** [AK89a, AQ93, ACM+10, ACM+15, ACLN03, AFJG06, BG91b, BGL+88, CWC00, CHH+01, CFS01, CWK09, CB97, CB09, CMM+88b, DG95a, DJH05, Dod89, EHR+98, EAKT90, FK98, FSKF06, HMTX93, Han98, HP97, HCK94, HGS10, HK90a, HP91, HW94, Ken90, KL90b, LJD93, Lan90, Las02, LS98, Leu93, LK00, MT91, ME92a, Mar95, MS03b, Miš98, Müh90, NMARD10, ORS90, PVP08, RD07, RGBCS09, RGBC11, Sab97, SYAU07, SH90, SAOKZ06, SVS01, SVS02, Sha06, SHCS86, SF91, Shi01, Sin90, SS90, SHCD00, SM87, TY91a, TO91, VP95, WBPM97, WLYJ13, WC15, Wel89, WSB90, dV94, da 90, dG98, AAS13]. **Networks-on-Chip** [AAS13]. **networks-on-chips** [WLYJ13]. **networks-steps** [Müh90]. **Neumann** [GW87]. **Neural** [CFC99, CB97, FRS+88, Ken90, CC02b, CH92, DJH05, EPMPU02, EAKT90, Han98, KRN+11, KL90b, Lan90, MM96a, ME92a, Mar95, Müh90, ORS90, PMS+13, PYZC11, SF91, Sin90, TO91, WC15, WSB90, dV94]. **neuromimetic** [NFG+13]. **neutral** [CDM+10]. **neutron** [FBMV88, MD88]. **Newton** [BBQOQO00, CH98]. **next** [Hoe12, Sun97b, Zen99]. **next-generation** [Hoe12]. **Nial** [GJMM89]. **Nicolson** [ZL94]. **no** [HE88]. **NoC** [JMA+13, NMMG13]. **NoC-based** [NMMG13]. **Node** [GP98, Reg01, SHCD00, GS04, LFL11, PS91, SS04]. **Node-disjoint** [SHCD00]. **Node-ejection** [Reg01]. **Node-to-set** [GP98]. **nodes** [Fig06, GP96, GGL+05]. **noise** [SML+14]. **Non** [CC97a, AFS14, AIV95, BPEL05, DF00, GW08, GDAK06, Haa98, HGLR07, LSS05, Lan96b, MSE07, NAC+14, Ver99, Xue94, Xue96, Xue97]. **non-binary** [AFS14]. **non-blocking** [HGLR07]. **non-convex** [LSS05, Xue96]. **non-dedicated** [GW08]. **non-equilibrium** [DF00]. **non-linear** [AIV95]. **non-monotonic** [BPEL05]. **non-overlapping** [Haa98, Lan96b]. **non-perfectly** [Xue97]. **non-rectangular** [GDAK06]. **non-trivial** [NAC+14]. **Non-uniform** [CC97a, Ver99]. **non-uniformly** [MSE07]. **non-unimodular** [Xue94]. **non-zero** [Ver99]. **Noncommittal** [Nic95]. **noncontiguous** [TGL02]. **Nonlinear** [Amm89, MTK03a, BE92, CZ91, DDF+10, ED91, GYH94, Gol88, HJ97a, LR88, Pir93, Pir96, Sch95, Sch87, SK87, dP90b]. **nonparaxial** [SCCPM14]. **nonrigid** [IOH05]. **nonsymmetric** [BDK95, GMW96, KS89, RR89]. **Noor** [Kra84]. **Noor-Lambiotte** [Kra84]. **normal** [JW09, NW96]. **normalized** [YS96]. **norms** [BM93, CT88]. **NoSQL** [ZP16]. **notation** [Num05]. **notational** [Bek95a]. **Note** [CARW91, AE86, Con89, DG90, GP90, Jan87, Jou04, SS91b, WMCU97]. **Novel** [SYP13, VA14, AQ93, AART13, BCPB05, DL05, LNLK13, LH00, MHK97, QJ06, VL05, Wan09, YZWcF14]. **NOWs** [MT00]. **NRL** [WM97]. **nuclear** [HSFS14, TBM+16b]. **Nullspace** [JTS+11]. **NUMA** [ABB+16, CCGG14, Car98, HK02b, MCB16]. **number** [APG92, CRD02, DP90a, Deá90, Lah00, Mak94a, SMC03, Ume89, dP90b]. **numbers** [AGH+94, MM95]. **Numerical** [AFPG12, CDGI15, DG95b, DNL15, DR03, Gen84, HB94, Luc01, LK10, Zha95, AAHF97, Ano99b, ADTV01, Bro89, Bur90,

DAA94, DM90, ER89, GM07, Gup99, HJ97b, HB84, HHJP16, KKHY06b, LP92, MTK03b, Num05, PATC99, Pir93, Pir96, RRA11, Rod85, TKC+14, ZPAT99, YD97]. **NX** [Pie94].

O [Bak00, HMP+16, MQ97, PUSS97, SDMS12, SC03, TF98, WG97, YM05]. **O-aware** [ZYZ+16]. **OASys** [VKH99]. **Obituary** [Ano03k]. **object** [AAA16, BV96, CKRZ98, CLZ01, FWL03, Fer97, RW89, SW03]. **object-oriented** [BV96, Fer97, RW89]. **objective** [BSD11, LNA06, MMT06]. **objects** [BE97, HK98, Jes88]. **Oblivious** [LC99b, YB11]. **observation** [AC03]. **Observations** [LNA06, SSY10]. **OCamlP3l** [CMV+06]. **OCCAM** [Jes88]. **occluded** [IR00]. **Ocean** [BDOS95, KSS98, OAJ+16, WM97]. **octrees** [HA05]. **odd** [BE93b, MP87]. **odd-even** [BE93b, MP87]. **ODE** [GH89, Kie91, PG93, RM97]. **ODEs** [MPJ03]. **off** [AALK01, CLJ14, DW99, LDK16]. **off-line** [AALK01, CLJ14, LDK16]. **oil** [BBK90, Zha95]. **old** [ES88, LK14]. **omega** [SKY93, GS10]. **on-** [CLJ14]. **On-Chip** [SYP13, AFY+16, LNLK13, PMS+13, Tak06]. **on-demand** [JSC97]. **On-line** [Leu93]. **One** [BT99, CFMM97, CC92, Don05, Hee97, RVGG01, ST02, Ver00]. **one-dimensional** [CFMM97]. **one-port** [ST02]. **one-sided** [RVGG01]. **one-step** [Don05]. **One-to-all** [BT99]. **ones** [Che96]. **Online** [SMJ15, DCN+15, WNES01]. **onto** [DR94, DT96, MM96a, MT91, Pop88, RV96, SER90, SM91, TMCC02, WMCU97]. **open** [IR93, Gog11, VGRS16]. **Open-MX** [Gog11]. **OpenCL** [APBcF16, BAS13, DWL+12, GScFM13, SFSV13]. **OpenFPGA** [WPS+08]. **OpenGL** [LHZ97]. **OpenGR** [HST05]. **OpenMP** [ATL+12, ADMV05, BS05, CM05, HP05, HAJK01, HCL05, IJM+05, JKHK08, JJM+11, MCB05, MRRP11, Nak05, NU05, PK05, THH+05, VGS14, SSGF00]. **OpenMP-like** [VGS14]. **OpenMP/MPI** [Nak05]. **OpenSHMEM** [HVA+16]. **operating** [GHS02, JBWE14, Sch88b]. **operational** [BRS+08, EAR93]. **operations** [BMG07, DS13, EG95, GGV04, HHK95, HGLR07, Hwa02, IDS16, KS95, MV87a, ME89, ORM+10, PGW16, TKC+14, THK+99]. **operator** [FHMS93]. **operators** [BM02]. **opportunities** [Sch95]. **Optical** [EM88, Kat01, LPH00]. **Optimal** [BDK98, Dow90, Fig06, HK90b, IR00, KH95, MR89, Mar92, NM01, RRP03, ST02, She97, Als01, BE93a, CS95, Che08, CL05, CMP92, DM04, DZD01, Dzw91, FIMF99, GAMR03, HT94, HHQ06, KR10, LLW+15, LC90, LO92, MMS90, MRSB94, MB00, OWZ91, RE92, SSY10, SM88, SB92b, SH01, TT00, TF98, TL94, WL14, Wri90, YTCW07, Zub90]. **Optimisation** [FMM+02, Dod89, GS10, KHC92, dTNOR+04, WC00]. **Optimising** [Sil88]. **Optimization** [CLSM98, CDH+03, FBG+12, HW91, LM06, WW95, WOV+09, ARCH05, ALNT04, ALT04, AAB+06, BP95, BCMG+07, CZ91, CCL04, DF91, DFO93, DCD97, ES89a, LLPV06, LW11, LR88, LNA06, MII+11, MSSC10, MTK03a, MTK03b, MGSK88, NS11, NBB+02, PB98, PGK+00, PŚ00, PHCR05, RKS92, SYAU07, SH90, Sch95, SLH+13a, She96, SMP11, SWR+13, SS92, TCT00, WWR05, WS12, ZM88a]. **optimizations** [LKGD16, WPD01]. **optimize** [AKSS07, ORM+10, RMACG10, WZL09]. **Optimized** [AFS14, PM95, Bar12, DPSW00, LDK16, MMM13, ND95, SB92a]. **optimizer** [MSB91, YLE95]. **Optimizing** [CFN03, DJH05, EGKU02, HGLR07, KI05, KAD09, SM87, TGL02, TS09, VCK+11, DEH+11, GF89, Str87, WSB90]. **optimum** [ML00, UN87, Ume89]. **Option**

[FMM10, Ger04, PGK+00, SÖB07, Sur10]. **OR-parallel** [MBC97]. **Order** [SS95, AND05, DCD97, DLS09, DK04, HA14, KD97, KHC92, LT94, MS00, ME90c, PS84, SH90, TL90, TL94]. **order-invariant** [HA14]. **ordered** [CB09, TS88, Ver99]. **Ordering** [DW99, BOV02, BMCA98, CP08, GM03, Rag97]. **orderings** [Leu89]. **orderly** [WL98]. **orders** [MS99b]. **ordinary** [EM87, GR89, Gol88]. **Organisational** [Par87b]. **organization** [HH91, KV99, SY87, da 90]. **organizations** [CS89a]. **organizing** [ORS90, WHW91]. **orientation** [Sch91a]. **Oriented** [DWH+08, AAA16, BV96, Fer97, GBH98, GJMMS97, LKHL03, PB16, RW89, VvBv90, HL13]. **Origin2000** [WBS06]. **Orthogonal** [Kuz98, EK92, Hot89, ME90b, Par91, SS91b, Stp92]. **orthogonalisation** [WC91]. **orthogonalization** [CSW01]. **other** [Ale94, ESV10, KLS+88]. **OTIS** [Jan06]. **OTIS-mesh** [Jan06]. **Ouragan** [C+01a]. **Out-of-core** [CKS03, AGL08, CU04, CN98, DHW97, Ger15, KCRB98]. **out-of-order** [KD97]. **out-tree** [HK02a]. **outer** [EM88]. **output** [CDRV97]. **outtrees** [Ver00]. **over-relaxation** [PJ84]. **overcome** [DW99]. **Overcoming** [JKHK08]. **OVERFLOW** [Taf01]. **OVERFLOW-MLP** [Taf01]. **overhead** [Cal96, CRGM16, KP96, MW91, XXQ+15]. **overheads** [Hoc89]. **overlap** [DVGG98, KGS08]. **overlapped** [BMP15, EJLC97, KH97, mMvdV01]. **Overlapping** [WB88, CWK09, Haa98, Lan96b, MMM13]. **Overlay** [TF98]. **overrelaxation** [ESK88]. **Overview** [Alm85, Ohb85, Hey94, IJCL96, McB94a, SG02b, Tre88].

P [FD02, MRJ89]. **P2P** [CRGR+13, MTV08]. **P2P-based** [CRGR+13]. **P3M** [YSBM97]. **p4** [BL94b]. **package** [LF00, RS88, Ste88, YSBM97]. **packages** [WLN+96]. **packet** [Ann89, ALTZ02, Lin93, Uhl96]. **PACS** [A+99, NNB+99, Uka99]. **PAD** [SN14]. **Padé** [MKC92]. **Paderborn** [BJvOR03]. **page** [CDA+16]. **pairs** [GS04, GT90, SA13]. **pairwise** [DEH+11]. **Pajé** [CSB00]. **pancake** [AQ93, KF95]. **Panconnectivity** [MLX07]. **Pancyclicity** [HC04, MLX07]. **paper** [FLW87, HE88]. **papers** [Ano15a, MTW07]. **PAPS** [WH97]. **PAR-Bench** [NL91]. **parabolic** [AAHF97, AIV95, BE92, HK92b, KR97, Lop93, Pir96]. **paradigm** [AD96, BA02, BM02, BPP10, JON08, MNS87, OID+12, PWY03, Sto89, ZLD15, da 90]. **paradigms** [ONB11, ZEgT04]. **ParadisEO** [CMT04a]. **parafoil** [TKG97]. **Paragon** [BEK95b, DG95b, GAW96, Hoc94, SNS+97, XH96]. **Paragon/XP** [SNS+97]. **Paralldroid** [AAA16]. **Parallel** [AB02, Adr99, ADF93, AND05, ABR03, AFPG12, ALH+14, Ala89, Ala95, ALNT04, ALT04, AAHF97, Ano87, Ano88b, AATK10, AS00, ACGL04, ABB+11, AIV95, AW13, BD89a, BVC16, BM01a, Bar97, Beb97, BM09, BE93b, BG02, BDG+10, BGSS14, BG97, BGMT00, BPS01, BC91, BP00, BMCA98, BC04, BSK03, BJP+89, BL93b, BCYB11, BH99, BP02, CLS93, CTS02, CGGG03, CDZ+98, CJ97, CF93, CS95, CHR00a, CL02, CDW95, CS96, CW97, CGQ93, CMT96, Con90, Cor99, CLZ01, CGMM99, CMRT88, CKM93, DS07, DM03, DS96, DDP90a, DP00, DCG+07, DFRC90, DBVS01, DL04, DFRR91, DF95a, DAD11, Duf86, ECLV12, Eva84, EW93, Fah85, Fer97, FMS01, FHMS93, FPT91, FC05, GYH94, GMBZ90, GK03, GH90, Gil94b, GHW08, God00, Gra91, GZ99, GPS+08, GPSK09]. **Parallel** [GK04, Haa98, HKL01, HKK97b, HE88, HLP10, Heb93, HK92a, HJ97a, Hen93, HRT07, HFL+10, Hil92, HZ93, HT92, HM86, HCK94, HM01, HWW92, HK91, Jeo91b, JCL92, Jou97, KR97, KB85, KT97,

KK11, KKU16, KBBC88, KH92, Kie94, Kim90, Koç97, KS91a, KKŽ05, KHN01, KC93b, KNR00, KŠR04b, KS01, KPH97, KD10, KKB93, LSS05, LRH97, Lan96a, LPM11, Lan96b, LNS03, LM03, LPCA98, kLH95, LHK+96, Lef97, LF89, Li89, LHZ97, LM00, Lin90, LL90, Lin93, LSS88, Lip99a, LP92, LR16, LHK15, MS03a, MG95, MKS91, Mal02, Man01a, MKL+01, MAFC14, Mas98, MC04, Mat95, MT97, MHT06, MS03b, MT00, MMT06, Mel87, Mel88, MP08a, MP08b, MP02, Mic90, MTK03b, Mil01, MCG98, MSW91, M+00, MS90, MZ95, NR01, Nak05, dTNOR+04, NBB+02, Num05]. **Parallel** [O'L87, OW90, Obe85, OBG00, Oli96, Ols95, OR88, OA91, ÖS94, OCPT97, OZ02, PPZ93, PAF+97, PM03, PM89, PS89a, Par86, PUSS97, PSS94, Pet84, Pet97, PB94, PHD16, PGW16, Qui88, RR89, RSB05, Rag97, Ral03, RS08, RWT97, RP85, RB03, RST11, RO88, RG92, SÖB07, SS02, SRH07, SXBD97, SOS97, SK97a, Sch91a, SSS92, SAWH88, SVS02, SCD92, SZ02, SYP13, SFB+97, SB95, Ski02, SM15, Stp92, Str08, Str92, Sun97a, Sur10, Tak10, TS02, TTH95, TY91a, TKG97, TE92, Tre88, TL96, TJJ93, UZ02, Uml94, Vaj84, VP94, VIHD90, Wag89, WC00, WC91, Wat00, WBD99a, Wei93, WS04, WG97, Wri91, YK08, YPG03, YTCW07, YD97, Yue97, ZRPI89, ZE92, ZSH97, Zom95, ZEgT04, de 87, dGR95, di 97, mMvdV01, AK89a, ASA16]. **parallel** [AO89, AGH+94, AJ95, AGL08, AHL02, APBcF16, ARCH05, AAB+06, Alm85, Als01, APG92, ATA+16, ADPV03, AGLP06, ADGS10, AM93, AB95, AMP92, AKSS07, AC00, AKK99, ACH98, ABG+06, AT98, ADTV01, AFK01, AKP+98, AKNS91, AV15, AGGG06, ABH+10, AHW14, ASH92, AGGM90, AIIV98, ADMV05, AE93, BSH88, BM08, BE95, Bai99, BMS97, BS00a, Bak00, BBB+94, BCGS93, BPEL05, BEY00, BDF+00, BN01, BKT91, BMS01a, BGWW97, Ban97, BKS06, BO91, BM11, Bar12, BHK89, BDI+95, BGV97, BW92, BRS97, BFL+01, BV96, Bas94, BOV02, BO03, BOVG10, BE92, BA02, BHM+95, BAR98, BBQOQO00, BMT92, Ber00, BE88, BDK95, B+02, BM02, BF06, BHK00, Bjø87, BGL+04, BDOS95, BFM90, Blo03, BE93c, BHS99, BL93a, BDK96, BM01b, BRH90, Bon91, BEK95b, BDH95, BGM03]. **parallel** [BT01, Box92, BGR00, BP86, B+00, Bri95, Bro89, Bro99, BNK15, BWZ95, Bro86, Bru91, BK97, BS00b, BL94b, BGL01, BLKD09, CMT04a, CZTS99, CE94, CGK+16, Cal96, CMT04b, CDDG93, CS00, CDR+95, CS93, Cap88, CCEJ01, CH98, CS89a, CU04, CLS+16, CDM06, CLL99, CPdM+97, CM95, CCCP92, CGG01, Cha99, CCS03, CDBL08, CC96b, CUSR88, CCS94, CC02b, CCL04, CSB00, CC00b, Cv98, CMPM+15, CJ92, Che98a, CLSM98, CFN03, CLA14, CP08, CC97b, CC00c, CSH+11, CNK93, C+01b, Chr98, CC99a, CQ97, CDC+87, CWB92, Col04, CDGI15, CGM+92, CDGM96, Con89, CV02, CH97, CN98, Cor00, CKS03, CGOP03, CDM+10, CQ01, CWDG07, CDH+03, CR90, CRSS99, Cro97, CGM05, DDdS02, DDdSL02, DY91, De 95, DFR92, DFO93, DCD97, DR93, DLR94]. **parallel** [DR95, DP90a, DP95, Deá90, DEGS95, DFRC94, DRJSW97, DAA94, DLS09, DJH05, DF00, DPSW00, DWM+01, DF98, DH84, DS84, DS87, DJ87, DHW97, DT97, DFM+95, DF95b, DG05, DL06, DZG94, DAG+09, DvdV99, DS05, DR02, DW00, DR03, DZD01, Eck90, EGTD99, ED04, EK92, Eis89, Ekl04, EHF+97, Ema10, EG92a, ES89a, EPMPU02, EM85, EY86, ESK88, ER89, ES89c, ES89b, EY90, Eva90, EL90, ED91, Eva91, EG94a, FSCL06, FHL87, FLYL16, FCC16, Feo88, FAS02, FM15, Fig06, Fis90, FP98, FK89, FGHB94, FG01, FR95, FMS+06, FMD98, FBAB13, FP92, FJS85, Fre89, FIMF99, FT93, GKT+15, GS89, GP90, GWLS05, GL90, GV01, GGNY11, GGL99, GWWM09, GLS01,

GPS03, GSZ88, GLN89, Ger04, Ger98, Ger94, GR01, GWC+99, GJMM89, Glo95a, Glo95b]. **parallel** [GKAS91, GdCCS03, GEvGCP09, GYL00, GG10, GW08, GGFF93, GKS98, Gro87, GKKS01, GL99, GT90, GM03, GHC04, GPPS99, GLS99, Güs99, GKV94, GPZ08, Hac89, HS90, HKSK97, HLDS95, HSS07, HT00, HLvHA11, HISS92, HMTX93, Han98, HA05, HKK97a, HCJ03, HW02, HCT16, HP97, HCH+96, HM89b, HK00, HRR02, HJ97b, HDH97, HW91, HP94, Hio96, Hir86, HJ97c, Hoe12, HS03, HS89, HK98, HT94, HM89c, HK92b, HST87, HTB01, HK90b, HP91, HR04, HHQ06, HKR+10, HRR08b, Hwa04, HSN89, IR93, IR00, IB01, IOH05, IHM+12, JC94, JG93, JHSV02, JK91, Jeo91a, JJM+11, JIC96, JKH95, JON08, Jor86, JDG02, KCD+97, KNP97, Kal92, KCRB98, Kao08, KMLM97, KKW14, KG87, Kas85, KY98, KK01, KKHY06a, Kat03, Ken99, KL90a, KC91, KY94, Kim97, KTN+14, KG03, Kol94, KR00]. **parallel** [KSS98, KCN99, KST02, KC97, Kot97, KP93, KS99, KS07, KKB92, KBD93, KS95, KYLH01, KSS06, KLS+88, Kut85, LD99, Lan90, LAHM14, Las02, LR04, LLP00, Lau93, LAS90, LC02, LF98, LSA+95, LMJC96, Leu89, LBWR90, LLS+93, Li97, LMG09, LW11, LLW+15, LMC05, LC90, LO92, LC99a, Lin01, Lin08, Lip99b, Liu86, Liu89, Liu98, LEH14, LW15, LTV96, LPMD01, LZCT15, LS92, LR88, Lop93, LC97, LG09, LQ92, LMH08, mM94, MAB+02, MV99, MP92, MMC97, MD04, MS98, ME84, Mak94a, Mak94b, MS00, ME93a, MGCB+10, Mar92, MS04a, MJ94, MSP93, MWH95, MW11, MV87a, MIA+07, MV87b, Mei85, Mei86, Mic97, MS99a, MJ99, MTK03a, MS04b, MK97, MBK12, MRRP11, MSW98, Mis87, MX07, MSE95, MS99b, MK12, MOW95, MSOCG+16, Moo04, MTPE90, ME92c]. **parallel** [MGT+13, MGSK87, MSB91, MPJ03, MW91, MS89, MO99, NHS+95, NL91, NS94, NC97, NYFK06, NNB+99, Nat90, NAC+14, NS02, NW96, NA08, NJ02, NZ92, NZ97, NK97, NRN00, NP05, Not95, NE01, NH11, ORS90, Ohb85, OTI+89, OV06, OW91, OCE+07, Ori10, OHZ98, OW94, OW97, PLP97, Pap98, PG91, PG93, Par87a, Par91, PW84, Par87b, PATC99, PJV00, PYZC11, PŚ00, PCN10, Pin91, Pir96, Pis92, PVP08, PW87, PS06, PKR00, PP98, PMLT03, Psa02, PWM00, RM91, Ram07, Ran97, RM97, RW96, Rea90, RH99, Reg01, RvG05, RJ97, RR97, R+00, Reu99, RE92, RR07, RBM+16, RMACG10, RSSS94, RT88, RHM+88, RRA11, RRS+00, RW98, RKMJ10, Ron84, RV95, RBL97, RR16, RW89, SS89a, SER90, SNS+97, SHPA05, SSY02, SCCP08]. **parallel** [SCCPM14, San02, SKN04, SMT+04, SAOKZ06, SSB12, SB94a, SV94, Sch95, SHN12, SP94, SKG02, Sel95, SR14, SG02b, SHH+97, SK87, She95, She97, SLY90, SMP11, Shy90, SMJ15, SSL03, SV97, SB97, SR97, ST95, SH88, Sne88, SS87, SMC03, SB92a, Ste13, Ste87, SS90, Ste94, SE87, SM88, Stp93, SS92, SP93, SMTT96, SR10, Sug99, SE98, SG91, Sun95, SG99, SB92b, STKA96, Tak03, THG98, Ter13, TO99, TS99, TMD+97, Thu92, TTH09, TDW+04, THK14, TSJB00, TCT00, TLS16, TF98, TJ97, TO89, TL94, TBM+16b, Tyr90, UAR+99, Uhl96, Van02, VBS+15, VL05, VP92, Vio04, VK92, VKH99, VA14, WH97, Wak04, WL13a, WN91, WRB97, WLK97, WLCG02, WWR05, WFW+11, WB97, Wen95, WC90, WE91a, WE92, WHW+11, Wil88, WvR16]. **parallel** [WOKH96, WZ90, Wit98, Wol89, WAB89, W+99, Wor97, Wri90, XDZL10, YNO97, YORO08, YTSI13, YS96, Yan04, YCS07, YD07, YZWcF14, YEC97, YM05, ZLM98, ZCPT00, ZZ03, ZPAT99, ZY16, Zer90, ZK92, Zha91, ZM94, ZDE95, ZG16, ZM96, ZVWS88, ZG88, ZGG92, dV94, de 96, tV96, van87a, van87b, Ano94, AGPS03,

ASSS11, AGKS15, AGKS16, A+01b, BG01, CGNR06, DC15, GV11, SE93, Ter10, TF01, vS92, FLW87, YFK03, MBC97]. **Parallel-architecture-directed** [SCD92]. **parallel-independent** [RvG05]. **parallel/distributed** [BGWW97]. **Parallelisation** [DWB99, TB03, EJLC97, EJLC00, GH89, Has01, IJCL96, LMJC96]. **parallelise** [PFS+04]. **Parallelism** [HGS10, VRGÁ15, VvW98, vv91, ABMQO11, ABB+16, ATL+12, BNS+07, BS05, BDSV98, CCGG14, Cha99, CC99b, DCDV98, DW99, DK04, DM90, Gao90, GW95, GHP10, HK91, HC05, JS13, Kog85, LSL14, Lee97, Lil94, LL98, LF00, MCB16, MRBQO14, McC89, OKF16, PTS+12, RRP03, ROZ01, RVD10, SSOB03, THH+05, Xue94]. **parallelism-based** [VRGÁ15]. **parallelism=simplicity=performance** [Wel89]. **parallelizable** [SC95]. **Parallelization** [AL93b, Ano99b, AFG+97, BSE88, DE09, GLMBMPMV03, HB90, JTS+11, KPS90, LT09, MRW+08, MSM98, MSSC10, PL00, SPW+15, WSR14, ARW93, AART13, BK94, BBC+11, BDSV98, BCG00, Bra88, BCC+97a, BCC+97b, CDRV97, Che08, DL97, Dow90, DL05, DGP+16, FHK+11, GHH+03, GAPZ00, HM02, HOSS91, IDS16, IJM+05, Kd88, KN09, KBGZ88, LK00, LPAZ97, ML00, MCB05, MB88, MSE93, NM01, NSS15, PCA01, POHS14, PAG+05, RE98, Rau98, RR14, SM13, SOH94, SWW99, SC05, SNO99, TCL92, WY11, YTCS97, ZBG88]. **parallelizations** [JW09, SSY10]. **parallelize** [EK98, MS91]. **Parallelized** [MM95, GJS93a, Koh95, PJ84, SL03, WWT01]. **Parallelizing** [DWX+12, DEH+11, GJS93b, Her00, Hwa02, KJA15, KLN90, RGdS+13, Sch92, Sea86, WHW91, Zha95, BC97, DFRR91, KSM+94, MJ95, WH93, YTCS97, dV94, Hol95]. **Parameter** [BCMG+07, HC89]. **Parameterization** [ÖW10]. **parameterized** [BPK12]. **Parameterizing** [MS04a]. **parameters** [GE11, Hoc91, WL14]. **Parametrization** [Hoc87]. **parareal** [Aub11]. **Parawell** [Eck90]. **paraxial** [HSS07]. **parcel** [NC02]. **PARDISO** [SG02a]. **parenthesis** [HHQ06]. **parity** [ARCH05, SSH97]. **parity-check** [ARCH05]. **parity-declustered** [SSH97]. **PARMACS** [CHHW94]. **PARMESH** [Glo95b]. **ParPar** [KEEF01]. **parsing** [BC04, CC96b, Hil92, SS87]. **Part** [ER95a, ER95b, BCC+97a, BCC+97b]. **partial** [AAHF97, ABB+11, BCR00, BP02, CG87, GW87, HM89a, HK92b, KY98, MQ89, Meg90b, Pin91, RSSS94, SN88, SS88, XCS05]. **partial-static** [KY98]. **Partially** [CB09, CDGM96, IR00, Son94, TS88]. **Particle** [SSN04, BAS13, DBVS01, Hat06, HHSM88, Koh95, LW11, LMC05, LF88, Luc01, MII+11, SYAU07, Sch92, SAWH88, SG16, TB03, WVHR16, YSBM97]. **particle-in-cell** [Hat06, HHSM88, LF88, MII+11]. **particle-in-grid** [WVHR16]. **particle-mesh** [BAS13, YSBM97]. **particle-particle** [YSBM97]. **particulate** [ATL+12]. **partition** [BFY06, FP92, Mei85, Mv88, PMAL14, SL90b]. **partitioned** [PEO16, NZHY11]. **Partitioning** [Che96, HHR87, KP96, Ran00, UÇA10, Wai88, AFK01, AG00, Bak00, BFL+01, BF06, BHK00, CLA15, DPSW00, EB94, Fig06, Got89, HK00, HB94, KGS08, Kd88, KŠR04a, KŠR04b, Kru97, Lan96b, LFS14, MS98, MMS09, MPD00, MOF04, PRV87, Pel97, PB16, SER90, SA16, Thu90, Thu91, Thu92, WC00, WW90, Yal97, ZY16, Zho93]. **partitions** [LL98]. **party** [Kre13, WBPM97, WLN+96]. **pass** [Gir02, HMS+07, KY94]. **Passing** [FGG+98, GLDS96, AB02, ARCH05, AE93, BCM94, BL94a, BRWL09, BDOS95, BWL00, CHHW94, CGMS94, CDZ+98, CCS03, DM02, FK94, Gog11, GDAK06, HP05,

JIC96, MRBQO14, McB94a, MRT93, NC02, Pie94, Pry97, SK97a, SSOB03, Ste90, TO91, Wal94a, Wal94b, WY11]. **passing/shared** [WY11]. **passive** [HKW13]. **PaStiX** [HRR02]. **Patch** [FHK+11]. **Patch-based** [FHK+11]. **Path** [CMP92, KJA05, ABR03, BG01, BR90, BGB10, CCS87, CG93, DQRR00, GT90, HTB01, HC92b, LNS03, PB94, SB95, Trä95, Wan08, XCS05]. **path-relinking** [ABR03]. **paths** [BJV+16, CST02, EHE92, GS04, Kha12, KJA05, KLL+09, SHCD00, TF01]. **pathways** [JTS+11]. **PaToH** [UÇA10]. **Pattern** [Yan04, AKNS91, BCGS93, MAS06, TLS16]. **patterns** [BDS88, DRST03, FSKF06, FKK+06, MAB+02, PM95]. **PAX** [HST87, HHSM88]. **PC** [BS00a, SKN04]. **PC-based** [BS00a]. **PCG** [PLP97]. **PCs** [DL04]. **PDAC** [HMTX93]. **PDE** [GZ99, HHR87, McB88a, Not95]. **PDEs** [GG10, Gro87, HHJP16, MSV15, NBB+02]. **PEACE** [Sch88a, SP94, Sch88b]. **Pearson** [RvG05]. **peeling** [Wan09]. **Peer** [CdCM07, MMO07, AFJG06, MTV08]. **Peer-to-peer** [CdCM07, MMO07, AFJG06]. **PEI** [VP92]. [RVGG01]. **200** [TKI85]. **48** [Nag88]. **6000** [AL93b, NMW93]. **8** [WSL88]. **860** [Dun91, GKV94, HC92a]. **algorithms** [LD99]. **array-processor** [Str87]. **Async** [MGCB+10]. **BE** [PTS+12]. **beta** [HSN89]. **column** [AC94a]. **computation** [DVGG98]. **data** [PS91]. **disaggregation** [Beb97]. **distributed** [BGWW97]. **fine** [BMP15]. **finite** [MWI+15]. **FORTRAN** [DGNP88]. **GMD** [BRH90]. **hp** [GPSK09]. **hypersonic** [SOS97]. **MIMD** [Kas85]. **MP** [HL88]. **MPI** [MTW07, Nak05]. **Navier** [DLR94]. **NCAR** [Mic97]. **OpenMP** [ADR+05]. **OR** [VKH99]. **OT** [PUSS97]. **outer** [Rod85]. **output** [AS86, EG95]. **Q** [WZV+16]. **SIMD** [MW94, ZBG88]. **software** [NMMG13]. **VF** [CK90]. **WAN** [AAB+06]. **Worker** [CMSL06]. **WSI** [Cho91]. **XP** [SNS+97]. **Penn** [Mic97]. **perceptron** [CH92, HT92, HT94, KK94, Müh90, SM90]. **perceptrons** [Dod89]. **percolation** [CCEJ01]. **Perfect** [MP95]. **perfectly** [Xue97]. **perform** [MCM01]. **Performance** [AAV08, Ano16k, A+99, ASH92, ADR+05, BAR98, BZ99, BBD+12, BCC+97a, BCC+97b, CC96a, CPdM+97, CLA15, CCP98, CRSS99, DM97, DY91, Dun91, EGKU02, Ema10, FKK+06, FHK+15, FK89, FGHB94, GEvGCP09, GLD08, GZTR07, GKV94, HVA+16, HMP+16, Her88, Hoc91, HL13, KN88, Kat01, KCG08, KK92, KM88, Kol94, Lin08, LMKH97, MP92, MZ01, MST94, MW88, NMW93, NA08, OW94, PFS+04, Pan01, PGK+00, PHCR05, PKR00, QCC02, Rib84, SNS+97, SAOKZ06, SH91, Sha06, SE98, WME+95, Y+99, YTSI13, APPG15, ASA16, Ahm97, Ala95, A+02, ADLL03, AB93, ABMN02, ADE84, Axe86, BG91b, BAMK07, BA08, BE89, BGL+04, BWL00, BHS99, BP90, BDH95, BOS+09, BJV+16, BGRD00, CIS99, CMT04b, CK90, CU04, CLL99, CFD+16, CMSL06, CFN03, CZJS12, CDK+03, CJLS14, Cla03]. **performance** [CC99a, CMM03, CQ97, CT88, CV02, DS03, DK01, DH91, DHS00, DSCP88, DFM+95, DWL+12, DDF+10, Eck90, EPS98, EHF+97, FAF16, cFM07, FDTZ04, GKS07, GMF00, Ger94, Gin99, GHP10, Gog11, GV08, GYL00, Gra91, GPSK09, GLDS96, GL97, GKKS01, HJ05, HH91, HLDS95, HMTX93, HSÇ12, HB90, HRR02, HKW13, HBH+16, HDH97, HW91, HHOMR06, HWB92, Hoc87, HAJK01, HHR87, HEB96, HR04, HG12, HMH+13, HC05, IJCL96, JG93, JHSV02, JAA06, JMLBL98, JKHK08, JJM+11, KMLM97, KRW88, KT00, KBG+01, KV99, KG03, KSS98, KJ07, LR04, LKGD16, LG01, LVC16, LLW+15, LR89, LF88, MVdLvN16, MD04, MKL+01, MSM98, MSMC15a, McB88b, McB94c, MQ89, MSK14, MAM+09, MSS+05, MS99a, MJ99, MK97, MGT+13,

MDC+08, NS94, NS02, NU05, OKF16, OIH10, OGC+15]. **performance** [PRV87, PSS94, PFTB15, Phi91, RB14, RDS13, R+00, RGDM15, RGBCS09, RH12, SLH+13a, SHCS86, She93, SCM+98, SMJ15, SV97, SB97, Sor84, SHCR98, SDMS99, SDMS05, SNO99, SR10, SG91, Tak06, TKC+14, TYKA95, TG09, TRSHB04, VJ12, WH97, WN91, WBS06, WJK98, WSL88, Wat87, Web90, WS98, WvR16, WOKH96, Wor91, XT11, XH96, YS96, YDTS01, ZLM98, Zen99, de 96, van86, MVZ98]. **performance-aware** [KBG+01, MSMC15a]. **performance-centric** [CFD+16]. **performance-portable** [DWL+12, FAF16]. **performances** [DL04]. **Performing** [CN98]. **perimeter** [BW01]. **perimeter-time** [BW01]. **Periodic** [TM09]. **permutation** [LJD93, She95, Wit98]. **permutation-based** [She95]. **permutations** [LT94, Lin90, LY93, LC99b, TL94]. **persistent** [BE97]. **perspective** [PODd16, SL03, W+99]. **Perspectives** [Her00, McB94c]. **pessimistic** [Don05]. **PET** [Che98a, GH98]. **peta** [LK10]. **peta-scale** [LK10]. **Petascale** [MSV15, SML+14, BOV09, SWR+13, ZYZ+16]. **Petri** [WN91, CFC99, MS89]. **PETSc** [CDM06, HM01]. **PGAS** [PEO16, TBM+16b]. **phase** [ADGS10, DE09, LS92, ZL04]. **phases** [DZD01]. **PhD** [Hol11]. **phenomena** [PIG+16]. **Phi** [TLS16]. **philosophy** [UWC14]. **photon** [BLFT84]. **photosynthetic** [SSV+16]. **Physical** [SJJ85]. **Physically** [TB07]. **physics** [Gup99, Rap99]. **PI** [PUSS97]. **PI/OT** [PUSS97]. **PIC** [DBVS01, Hat06]. **pickup** [CGGG03]. **pilot** [GCP11]. **pilot-job** [GCP11]. **Pin** [LC89]. **Pipeline** [CCJ90, HK06, SWSG92, CT88, FHKZ88, GAMR03, MR86, MCG+12, NAC+14, RVD10, Tap84a, UN87, Wil85]. **pipeline-interval-optimum** [UN87]. **Pipelined** [BD89b, BE89, BAZ93, CC92, Gao87, HHH92, LPH00, MRT93, RCAP11, Sor84]. **pipelines** [Tap84b]. **pipelining** [CWK09]. **pivoting** [Ala89, AC94a, CG87, Meg90b, Pet84, RDB+90]. **pixel** [JON08]. **placement** [Has01, MSA09]. **planar** [HI92, Kim90, KSS06, SE87]. **plane** [SM88]. **planning** [MLM+00, SB95]. **Plasma** [TTT+92, CDH+03, DBVS01, MWI+15, RKMJ10]. **platform** [AGB97, CC97b, DWL+12, KR10, NMMG13, SBP12, ZLM98]. **platforms** [BLRR02, BLR03, BEDdC16, BEK+11, BDNP11, BDRV99, MII+11, WOV+09, dSS09]. **Plugging** [CDRV97]. **Plus** [AV15]. **PMAA** [AGPS03]. **PMAA'04** [CGNR06]. **PMAA'10** [ASSS11]. **PMAA'14** [AGKS15, AGKS16]. **PMIRKDC** [MPJ03]. **PML** [Ram07]. **pNJTree** [DL06]. **point** [ADLL03, CGOP03, CB09, DM03, DNL15, DR03, Kam88, Kie91, LHS13, NYFK06, PJ84, POHS14, ZG16]. **point-to-point** [ADLL03, CGOP03, CB09]. **pointer** [Her00]. **pointer-based** [Her00]. **pointers** [AZ98]. **points** [KH95, Wei93]. **Poisson** [BT88, LV92, SBO+91, Vaj84]. **polar** [HP94]. **Polder** [vOS+98]. **policies** [APPG15, LGC97, PGAA16, Zam99]. **policy** [MMM13, RBL97]. **pollutants** [Zla88]. **pollution** [BWZ95, OZ02]. **polyacenes** [NHS+95]. **polycrystalline** [LVC16]. **polygon** [AU88]. **polygonal** [AU88]. **polygonization** [HS03]. **polygons** [Kim97, LSS05]. **Polyhedral** [SLC+16]. **polymer** [Bis84, OCSBY01]. **polymerization** [EGTD99]. **Polynomial** [Jan06, AO89, But92, CF90, Fre89, FB91, KP93, LT09, LWS02, PW89, SMK91]. **Polynomials** [Sen91, EK92, LAS90, OW97, SK91]. **popular** [Wei91]. **population** [LP92, MSOCG+16]. **poroelasticity** [TA14]. **port** [ST02]. **portability**

[CHLO85, DM97, tV96]. **Portable** [CHHW94, JHSV02, SEAH+08, YX07, ABMN02, BRH90, BAS13, DAA94, DFRZ02, DS87, DWL+12, FAF16, GLDS96, KA96, Van02, WS12]. **portfolio** [GS10, LMH08]. **Porting** [PMMAM10, WLN+96]. **ports** [CC00c]. **Position** [GV11]. **Positive** [EV89, HRR02, NYFK06, ZVWS88]. **positron** [Möl99, ZLM98]. **possible** [FLW86, GK03]. **possibly** [CLA14]. **potential** [PTK04]. **potentials** [HSS09]. **Power** [ACM+10, ACM+15, CFD+16, DZM+13, ECLV12, EL91, LKGD16, Mak94b, NS11, NFG+13, OW94, TKC+14, WZV+16, WC15, ZLPF16, Bri95]. **power-** [NFG+13]. **powering** [CKM94]. **powers** [EMB89, EM90, SB92b]. **pp** [WBD99a]. **Practical** [BWZ95, CW97, Hol95, JKH95, LBL95, kLH95, STKA96, WRB97, KT99, KA96, KS99, Par87a]. **Practice** [TFV16, CAA98]. **pragmatic** [Col04]. **PRAM** [CC96b, HK06, KT99, She97]. **pre** [BOVG10, KEEF01, OV06, Wak04]. **pre-load** [KEEF01]. **pre-processing** [BOVG10, OV06]. **pre-propagation** [Wak04]. **precedence** [BHR09, MKS91, QJ06]. **precision** [BEK+11, Tak10, WRS12, ZGG92]. **precompiler** [GF89]. **Preconditioned** [BRS97, ABB+16, ABG+06, BM90, CG89a, ETV91, GYH94, GV14, TGE92, VvW98, van86]. **preconditioner** [BP02, Dag̃07, EG94a, GPSK09, HJ97c, HKR+10, PLP97, PHD16]. **preconditioners** [AO89, CGMM99, DNL15, EV89, Ema10, GHW08, Haa98, LWS02, SSSG03, Str08]. **preconditioning** [BPS01, Lip99a, SZ02, Wai88, YD97]. **predict** [CK90, FDTZ04]. **Predicting** [BGL+04, RvG05, WC15]. **prediction** [AFD13, ADR+05, ADE84, BG07, CQ97, GJS93a, HJ97b, ISO+03, LZCT15, MJ99, SXBD97, WH97, XDZL10, XH96]. **prediction-based** [LZCT15]. **predictor** [RM97]. **predictor-corrector** [RM97]. **preemptable** [BDF+00]. **preemption** [GF03]. **Preface** [Ano13i, Ano16k, CC16, Pet92, Thu10]. **prefetcher** [CZJS12]. **prefetching** [PSS01, RG09, YEC97]. **prefiltering** [BNK15]. **prefix** [ABH+10, ZM96]. **Preliminary** [Ger94]. **preprocessed** [SPW+15]. **preprototype** [Pei88]. **prescribed** [TKG97]. **presence** [MW91, SAOKM01, TYSF13]. **preserving** [MDC+08, SS95]. **price** [Ger04]. **pricing** [FMM10, SÖB07, Sur10]. **primal** [NYFK06]. **primal-dual** [NYFK06]. **prime** [Mas98, Tem88]. **principles** [Her88]. **priorities** [SS04]. **Priority** [Bro99, Bur04, DP00, WH94]. **Probabilistic** [BS97, JDG02]. **probabilities** [EB93]. **probability** [ASDOK01, BWT+08]. **Problem** [CMP92, MW91, AC89, Als01, Arb92, ADTV01, ACGL04, ABH+10, AHW14, BW01, BR90, BG97, Bev89, BDK96, Bol86, BGM03, BCG00, CGGG03, CCS87, CCS94, CJ92, CDK+03, CA92, CW97, CWB92, Cor00, CGOP03, CFH89, DG90, DG95b, DQRR00, DvdG92, EM85, Eva91, GLMBMPMV03, GPS03, Gol88, GT90, GM03, GHC04, Gur88, Gut88, HI92, HC92b, JK91, Kal90, Kal92, KŠR04a, KŠR04b, LLW+15, LS97, Lin91a, LO92, Lin94, LV92, LC97, ME90b, MMT06, MP95, MOF04, MGSK87, Nag88, NA03, Nat90, OWZ91, Par91, Reg01, SSY02, SF91, SL90a, SL90b, SE87, SM88, SS91b, Tai91, TSCS14, Thu92, TRSHB04, WBPM97, Wen95, Zhu93, Zub90, Bur04, DN16, DUG+06, LW15, MNS87]. **Problem-heap** [MNS87]. **problem-size** [Lin91a]. **Problems** [DZ90, AK89b, ABB+11, AIV95, BP95, BCC+97b, BGB10, BR84, CSEK03, CGG01, CW06, DM03, DFO93, El 93, EK98, FYEHP89, GSZ88, HJ97a, HK91, KH95, KR10, KH92, Kie91, Kie94, Kim98, KR00,

LLPV06, LPM11, LPH00, LPMD01, LQ92, LNA06, MV99, MWH95, MST94, MR86, MS90, NP05, OHZ98, PG93, Pir93, Pir96, RS88, RV95, SMK91, Sch91b, SSD01, SC95, Sug99, Sun97a, SW03, Sýk84, TN13, TO99, TCL92, VV07, Wri90, ZPAT99, ZM88a, ZM94, ZLD15, ZG16]. **procedural** [MSE95]. **procedure** [CF91, LS92, Mei86, Riz85]. **procedures** [SS94b]. **Proceedings** [HKK97b, Jou97, KVW97a]. **Process** [Jia09, BO91, BGL01, DCN+15, GJMMS97, HG12, PWM00, Qua92, SK97b, SWR+13, WH91]. **processes** [ATT89, DS07, EGTD99, HSR+14, MZ04, Ram99, SlWC89, WFW+11, Wil85, vS92]. **Processing** [B+02, Adr99, AHL02, Alm85, ASH92, BM01a, BOVG10, BCB02, BCRSR11, B+01, BWT+08, Bro87, Bro88a, CLS93, CS89a, CC00c, Chr98, CMM+88b, DP02, DCDV98, EM88, Fah85, FMS01, HL97, HLvHA11, HSS09, HCJ03, Hir86, JON08, KN88, Kan93, KY98, KK01, Kot97, Kut85, kLH95, LS90, MP08a, MP08b, MHH97, MSW91, dTNOR+04, NJ02, Ohb85, OV06, Ori10, SMT+04, SKG02, SSS99, SG02b, SS01, SC92, SY87, SH88, Sur10, TMCC02, Tor91, UZ02, WLK97, WB97, YD97, Zom95, dCC89, Has90]. **processor** [AFJG06, BAMK07, BFY06, BDSd94, Bol86, Bro87, BAZ93, Bus93, Cal85, CC91, DHL07, DJ87, DS92, EB88, EG92b, FFLV96, FBMV88, FYEHP89, GIF+10, GB14, GE92, Hil92, IM88, JWS13, Kas84, Kat01, KSP97, KAD09, MM96a, Mak94b, MT91, MR86, NNB+99, PRW88, Qua92, RV96, SV94, SS94a, SB95, Str87, TTH95, VvBv90, Wil88, WS94, WRS12, YD01, YLW+13, ZVWS88, de 87]. **processor-memory** [Bro87]. **Processors** [Ano88b, AAV08, ABMT99, Ann89, AKNS91, BDF+00, BV04, BGG+99, Bis89, CAS09, CZJS12, CC92, CC99b, DC15, DHS89, DG99, FK89, FMR90, Gro87, HK90b, Li97, LL90, LLL10, LV15, MV87a, McB88a, MIA+07, Meg90a, MAM+09, MSW98, MOW95, NB12, NRN00, R+00, RHM+88, SA13, Son92, VJ11, YNO97, YL86, Zla88]. **Procrustes** [Par91]. **Producing** [HAJK01]. **product** [AAHF97, Bar97, CMT96, EM88, FG89, HCR01, KD10, VFG12, YORO08]. **production** [AAB+16, BDI+95, GCP11, LGM09, Taf01, TRLD13]. **productive** [SLH+13a]. **productively** [SDMS12]. **products** [KKSS90, KS91b, Obe85]. **profile** [MSK14, RVD10]. **profile-based** [RVD10]. **profiler** [MAD+16, PB16]. **Profiling** [KC97, MK12, WZV+16, WZCG14]. **Program** [GPC88, LKGD16, Psa02, SS91a, CZTS99, CDZ+98, DGNP88, DL06, GJS93b, KMLM97, ROZ01, RH12, SNS+97, SCD92, WvR16, YS96]. **programmable** [LS90]. **Programming** [BVC16, DSCP88, Jor88, WLN+96, YFK03, ACH98, BE95, BH14, Blo03, Bog92, BRH90, BL94b, CLS93, CHHW94, CDM06, CCS03, CHLS90, CCJ90, CBV13, CMV+06, Col04, CV02, CGM05, DM03, DCG90, DWL+12, ECG93, GSE+15, GGNY11, Ger98, Ghe85, Gil94b, GEvGCP09, Hem94, Her00, HMS+98, HST05, Hoe12, IUY+04, JMA+13, KT99, KA96, Laf02, Lef97, LEH14, MAFC14, MSP93, MIA+07, MV87b, M+00, MKL+88, Nak05, NZ97, NZHY11, NRN00, ONB11, OCPT97, PS84, RRA11, RR14, RR16, SBP12, SW91, Seu85, SK97b, Son86, Sto89, TBM+16b, UAR+99, Van02, VP92, VKH99, Wal01, WYT+16, Yue97, de 87]. **programs** [ATA+16, AZ98, A+99, AKP+98, Arv92, Bek95a, BGMT00, BGL+04, BHS99, BDS88, BS96, BS00b, BGL01, CCL04, CSH+11, CI98, DR93, DS87, DR03, EGTD99, EO91, Fer97, FGHB94, FBG+12, HvNJB12, Hwa02, Hwa04, JPK+15, KCD+97, KY94, Lee95, LF98, LMH08, MAB+02, Mah96, MS98, MS99a, MBK12, MHH97, NL91, NYFK06, OM90, PAG+05, PS91, Psa02, RvG05, RVD10, RW89, SER90, SM91, SS94a, SV97, Str87, SLH+13b,

THH+05, WW90, Wol89, ZZ03]. **programs/ data** [PS91]. **progress** [MCM01]. **progressive** [RR97]. **project** [C+01a, Hey94, KNP97, SG02b, Tro94, UAR+99, WPD01, YK87, AAB+06]. **projection** [ADF93, ALH+14, GK04, KS89, KW90, Slo91]. **projects** [McB94b]. **Prolog** [KNP97, MBC97, VK92]. **promise** [Hac89]. **proof** [HE88, KS87]. **propagation** [AATK10, CFD+16, DDF+10, FGS97, MMC97, SCCPM14, TPK+13, Wak04]. **propagator** [LSP92]. **properties** [BM01a, BA95, EBSS94, EAKT90, ME92a, TCT00]. **proposals** [RS88]. **propositional** [BSK03, CF91]. **protecting** [FLYL16]. **protein** [BM08, KHN01, OCSBY01, Rob00]. **protein-interaction** [BM08]. **proteins** [FM15, VBS+15]. **protocol** [BDK06, CWK09, YLW+13, Yua94]. **protocols** [ACLN03]. **proving** [CF91]. **provisioning** [GCP11]. **Proximity** [Bur04, BP97]. **Pruning** [LDK16]. **Pseudo** [FHJ+84, FHL87, mMvdV01]. **pseudo-overlapped** [mMvdV01]. **Pseudo-random** [FHJ+84, FHL87]. **pseudorandom** [MM95]. **pseudospectra** [BG02, MP02]. **pseudospectral** [Bri95, MRRP11]. **pseudospectrum** [BG01]. **PSFGA** [dTNOR+04]. **psi** [Tak06]. **psi-cube** [Tak06]. **PT** [CP08]. **PT-Scotch** [CP08]. **PUB** [BJvOR03]. **Purcell** [CL02]. **pure** [BHS99]. **purpose** [AHBLR12, CT94, DZG94, Hac89]. **push** [LAHM14]. **push-relabel** [LAHM14]. **PVM** [Ahm97, ADMV05, CDGM96, DG95a, JH97, LHZ97, MSP93, SGS95, SSS99, SGDM94]. **PyCUDA** [KPL+12]. **PyOpenCL** [KPL+12]. **pyramidical** [EMB89].

Q [BJV+16]. **QCD** [A+99, CIS99, GLS99, KLN90, Lep99, Lip99a, Uka99]. **QCDSP** [Maw99]. **QIF** [EB88]. **QL** [RH99]. **QoS** [JMA+13, NMMG13]. **QR** [BOVG10, BM01b, DFH+13, DM02, GK03, HK06, Kon02]. **QSDF** [Got89]. **quadrant** [GMBZ90]. **quadratic** [DM03, DR03, Tai91, ZZ03]. **quadrature** [BE88]. **quadtree** [PGBF+07, WA03]. **Quaff** [FSCL06]. **Quality** [MD04, MPD00, DM97]. **quantification** [MHK97]. **quantization** [AB02]. **Quantized** [BV04]. **Quantum** [MAM+09, ABH+10, BS00a, BH99, GPW+08, Gup99, JPK+15, KR00, NMW93, PJV00, SSGF00]. **quantum-mechanical** [KR00]. **Quark** [LSP92]. **Quasi** [LWG06, Beb97, CH98, KS16, LM00, ÖW10]. **quasi-** [KS16]. **Quasi-atomic** [LWG06]. **quasi-Monte** [LM00, ÖW10]. **quasi-Newton** [CH98]. **quasi-stationary** [Beb97]. **queen** [BW01]. **Quenched** [Rap99]. **queries** [CRGR+13, HM02, Reu99]. **query** [BV96]. **question** [BC97]. **queue** [CAS09, SP97, WL98]. **queueing** [HMTX93]. **queues** [Bro99, DP00, RG09]. **queuing** [MPZS13]. **quickest** [HC92b]. **quicksort** [Lev90, FP92].

R [FD02]. **race** [CSH+11, CRD02]. **rack** [MP87, TM90]. **Racoon** [DG05]. **radar** [FFLV96]. **radio** [AATK10]. **radio-wave** [AATK10]. **radiosity** [APRP97, RR97]. **radius** [Rob00, Wor92]. **radix** [BAZ93, TTH95]. **Radon** [FF92]. **RAIL** [FMB98]. **RAMA** [MK97]. **random** [APG92, DP90a, Deá90, FHL87, FHJ+84, Mak94a, San99, SR97, SMC03, dP90b]. **randomization** [FMM10]. **randomized** [BBB+14, BGV97, CA92, ÖW10]. **range** [CRGR+13, GWC+99, GVH08, Kau94, Kim98, She95, Zla88, dP90b]. **range-join** [She95]. **Rank** [Meg90a, CKM94, DT95, KTN+14, Kon02]. **rank-** [DT95, Kon02]. **rank-mapping** [KTN+14]. **rapid** [AAB+16, FHMS93]. **rarefied** [MT97]. **Rate** [CS00]. **rates** [LD98]. **rational** [MKC92]. **ray** [AATK10, DGBP05, Lee97, RJ97, SGS95,

SSV+16, YEC97]. **raycasting** [MSE07]. **RC_dag** [PWY03]. **RDMA** [GRBA15]. **re** [GGL+05, KSM+94, ZSI02]. **re-configurable** [GGL+05, ZSI02]. **re-engineering** [KSM+94]. **Reaching** [CC93, HC05]. **reacting** [SHH+97]. **reaction** [HSR+14, Wei97]. **reactive** [AFPG12, Ram99, WH15]. **reactor** [HSFS14]. **Real** [AGB97, GMF00, Heg96, HCH+96, BW92, BEDdC16, BDH95, BG98, CDV08, GLS01, HA14, Ken90, MF16, NA03, QJ06, RHM+88, SMTT96, WH91]. **Real-time** [AGB97, GMF00, BG98, CDV08, GLS01, MF16, NA03, QJ06, RHM+88, WH91]. **real-to-integer** [HA14]. **realisations** [WVHR16]. **realism** [San02]. **Realistic** [HDH97, SHRN98]. **reality** [BGWW97]. **realization** [KSS06]. **Realizing** [McC89]. **rearrangement** [HRT07]. **reasoning** [BPEL05]. **Receiving** [ISO+03]. **recognition** [CC96b, JC94, Ume01]. **recombinative** [MG95]. **Reconciling** [San02]. **Reconfigurable** [Cho91, DP02, BCYB11, DT95, Kas85, KCG08, LPH00, MO89, MRT93, MB00, OSZ93, SEAH+08, VTmL03, Wan08, KB08]. **reconfiguration** [JWS13, MSMC15a]. **Reconfiguring** [LH02, RGBCS09]. **reconstruction** [BMCA98, BCMG+07, Che98a, DL06, GH98, KBBC88, LPCA98, Möl99, OIH10, RW98, SKH+12, WCKM11]. **recoverable** [PLY02]. **recovery** [CQ01, LH88, LWG06, MSK14]. **rectangle** [JCL92]. **rectangular** [GDAK06, TTH05]. **Rectangulating** [Kim97]. **rectilinear** [Kim97]. **recurrence** [DQRR00, RF90, Stp93]. **recurrences** [Gao87]. **Recursion** [DGP+16]. **recursions** [AE86]. **Recursive** [KCN99, SE93, Bus93, CHH+01, CS89c, DLS09, EZ99, ME93b, NM01, SHCD00, dV94, Mar14]. **red** [BP02]. **red-black** [BP02]. **redistribution** [GNY00, HBH+16, MQ97, Van90, WW95, BLRR02]. **reduce** [ATA+16, CCGG14, PGW16, TN13]. **Reduced** [SKS+95, ZM96]. **Reducing** [CRGM16, NMARD10, SA16, WH15, DB03]. **Reduction** [DvdG92, Ala89, AM93, BE93b, BDK95, CDGI15, DCD97, EY94, GS89, GL99, HM97, KK11, Kuz98, Lan96a, LC89, OTI+89, RM91, SST09, Sch91b, TND10, YE94, ZM96]. **reductions** [GPZ08, HT00]. **redundancy** [ZLJ93, ZRS13]. **Redundant** [FMB98, Gir02, MKS91]. **reference** [Bev89, PL00]. **REFINE** [BA95]. **refinement** [BN01, DLR94, DR95, PGW16, VP92]. **refining** [Zha95]. **Region** [TPK+14, AU88]. **Regional** [BMS97, Adr99, SXBD97]. **regions** [Box92, KH97, LFL11, SLY90]. **register** [MM95, TM09, Ume89]. **register-number-minimum** [Ume89]. **registration** [Chr98, IOH05, WJK98]. **regression** [GK03, YK08]. **regular** [ACM+10, LLS+93, Lin91b, SS01, Tro00]. **regularization** [BE93a, MDC+08]. **regularized** [Zhu93]. **regulatory** [CFS01]. **reinforcement** [Ken90]. **relabel** [LAHM14]. **related** [Arv92, DW99, KH95, SMK91]. **Relation** [BI07, KLS+88]. **Relation-based** [BI07]. **relational** [BF95, TDW+04]. **relations** [BK97, MKS91]. **Relative** [BE89]. **relaxation** [Bai99, BG97, CZ91, El 93, LG09, PJ84]. **Relaxed** [MX07, ZDE95]. **relevant** [HSR+14]. **reliability** [HWYL89, TYSF13]. **Reliable** [ZRS13, DHS00]. **relinking** [ABR03]. **relocation** [GLS01]. **remaindering** [KC93a]. **remapping** [CNK93]. **remarks** [Tro94]. **remote** [AGO97, CDK+03]. **removal** [CDRV97, DVP90, TFS91]. **renderer** [Kat03]. **Rendering** [RJ97, CM95, CFN03, CKS03, Cro97, DCG+07, GWLS05, ISH03, KPH97, SL03, SIH14, Wit98]. **Reordering** [Liu89, GLU03, LC99a, PHCR05]. **reorthogonalization** [KC93b]. **replay**

[CSH+11]. **replicated** [Kan97]. **replicated-data** [Kan97]. **replication** [ČSR05, CBP+07]. **report** [MCM01]. **reporting** [CF93]. **represent** [Wil85]. **representation** [Ken90, MT89, TPK+14]. **reproducibility** [CDGI15, FHL87]. **request** [WLYJ13]. **request-request** [WLYJ13]. **Requirements** [GT07, BMYK98, BS00b, GPS03, SG16]. **rerouting** [CF04]. **resampling** [KHC92, LR16]. **Research** [Ano87, Ohb85, SHCR98]. **reservation** [TKK+05, ZP16]. **reservoir** [BBK90, Mic90]. **resizable** [SR10]. **resolution** [Evr01, HW94, VK92]. **resolving** [Ara03]. **resonant** [Ste88]. **Resource** [BCRSR11, MSA09, BK07, CRGR+13, CL05, GCP11, HMH+13, KJA15, SVC07, SS94a, SSS+09, TKK+05, YBM05, ZP16, ZRS13, vOS+98]. **resource-constrained** [KJA15]. **Resources** [BFVRC14, ASH92, BGK+98, LSC+15, MMO07, RMRN05, WCM+14]. **respect** [HWW92, LGM09]. **response** [TDW+04]. **responsibilities** [SH91]. **responsive** [GE11]. **Restart** [SMP11]. **restarted** [SWC99]. **restoration** [BZ96, BP00, IT08]. **Restricted** [DR15, Mal02]. **Restructuring** [GP86, MJ95]. **results** [Car88a, DFRR91, GJS93a, GLN89, Ger94, HISS92, HBH+16, MQ89, MRJ89, Oed92, RS87, Uka99, VIHD90, WLN+96]. **Rete** [AT98]. **Rete-Match** [AT98]. **retrieval** [BGP+97, Kao08, PW87]. **reusability** [ES06]. **reusable** [CMT04a, NE01]. **reversal** [SAOKM01, SB94b]. **Review** [LPNJR96, AK89a, Kog85]. **Reviewers** [Ano10a, Ano08, Ano09a]. **revisited** [GR02, Uml94]. **Revisiting** [RS92]. **Revolutionary** [BOV09]. **reweighted** [ZG16]. **rewriting** [BVP+89, CMPM+15, HL99]. **Reynolds** [ADTV01]. **Reynolds-Hertz** [ADTV01]. **RI** [Ber00]. **RI-MP2** [Ber00]. **Riccati** [BBQOQO00]. **rich** [DCR+16]. **ride** [ACGL04]. **right** [CLA14, Pan01, Ter10]. **right-hand** [CLA14, Ter10]. **Rijkswaterstaat** [VRL03]. **Ring** [LD99, AIO95, CS97a, FMR90, KJ07, Meg90a, KJ07]. **rings** [AFY+16, BGG+99, CMT96, KL00, Pop88]. **RISC** [AL93b, NMW93]. **rise** [XC02]. **risk** [CDM+10]. **risk-neutral** [CDM+10]. **river** [WFW+11]. **RMESH** [Kim98]. **RNA** [CLSM98, TLS+08, XDZL10]. **RNAVLab** [TLS+08]. **robot** [DHS89, Zom95]. **Robust** [RB14, SSS+09, Tai91, GG10, HSFS14, SN88]. **robustness** [BGMT00]. **roles** [Sat04]. **rollback** [MSK14]. **rollback-recovery** [MSK14]. **rollout** [GM03]. **Romberg** [EM86]. **room** [ZLPF16]. **root** [Jan06, MBC92, SMJ15]. **root-cause** [SMJ15]. **roots** [CF90, MR85]. **rotating** [BE87, CEM+99, Lun98]. **rotation** [Jou89]. **rotationally** [CT88]. **rotations** [VKS+15]. **rototyping** [FD02]. **round** [BD10]. **rounding** [Obe85]. **routed** [CWC00, FK98, HM97, MM96b, Miš98, RGBC11, SW00]. **router** [FT93, LNLK13, LNLK13]. **routine** [GKV94]. **routines** [DT95, DH84, DGP+16]. **routing** [AAS13, AQ93, ASDOK01, AFY+16, BL99, CC02a, CCP98, GP98, HCK94, HC94, KH97, KJA05, LY93, LC99b, Loh96, LH04b, LOKM99, NLP+15, QCC02, Ral03, Reg01, RE92, ST02, SVC07, Sha06, SF91, Shi01, SW00, Tor91, XCS05, YTCS95, ZL04]. **row** [AC94a, BVWH14, GYH94]. **row/column** [AC94a]. **rowwise** [PJ84]. **RS0** [MX07]. **rubber** [BM01a]. **rule** [CFMM97, Li89, TE92, VA14]. **rule-based** [Li89, TE92]. **Run** [DLR94, DR95, MPZS13, Rau98, GE11, HT00, KPL+12, LK00, RRP03, SM13]. **Run-Time** [MPZS13, DLR94, DR95, Rau98, GE11, HT00, KPL+12, LK00]. **Runge** [ES89b, MPJ03]. **Running** [BWZ95, dSS09]. **runs** [Dod90]. **Runtime** [BNS+07, HXCZ14].

S [ADE84, BEK95b, WH94, Taf01]. **S-1** [ADE84]. **S/NET** [WH94]. **S2SS** [MSS+05]. **S2SS-MIN** [MSS+05]. **SaC** [GS06]. **saddle** [DNL15]. **safety** [GT07]. **salesman** [AC89, Gur88, JK91]. **Salesperson** [Bur04]. **samples** [ED04]. **sampling** [LLS+93]. **SAN** [GLD08]. **SAN-based** [GLD08]. **Sandia** [W+99]. **satisfiability** [BSK03, CW06]. **saturation** [TM09]. **saving** [ACM+10]. **SBAC** [SN14]. **ScaffCC** [JPK+15]. **Scalability** [ALD01, Ber00, DLM97, IUY+04, MWR95, RSRM96, AW13, BMP15, GHW08, GSMY+07, HRT07, KNTG08, LTV96, OID+12, RSK99, SG02a, SHN12, VTmL03, WLN+96, dSS09]. **Scalable** [BRWL09, C+01b, DLS09, DWM+01, Gor97, GKS98, GRBA15, HA97, JPK+15, JP94, KTN+14, KS07, MK12, NZ97, OKTR13, WRB97, AALK01, Ano13i, ARB94, ARB95, BBB+94, Bri95, CQ97, DWH+08, DFM+95, EPMPU02, FA11, GWWM09, GM98, HKW13, HAJK01, KKW14, LW15, LHK15, Mic97, MRRP11, PSS01, SS01, Trä12, THM+95, VTmL03, Wak04, WCM+14, WvR16, Xu07, YZWcF14, GHH+03]. **scalar** [AE86, BCCS07, CDC+87, KD10, Phi91]. **scale** [ASA16, B+02, BCMG+07, Bjø87, BG98, BR84, CLS93, Cér07, CS97b, CDC+87, CLJ14, GAA+13, HCJ03, HMP+16, HGS10, IU87, IHM+12, JBC+07, JCWP07, LK10, MWI+15, MSMC15b, MSZM14, MZ04, NHS+95, NFG+13, ORS90, OA08, ONB11, OID+12, PD11, Qua92, TA14, VRL03, WYT+16, YNO97, YX07, YM05]. **scale-free** [HGS10]. **scales** [HSR+14]. **Scaling** [JG93, LFL11, MWI+15, MP95, MW91, SDMS12, Wor92]. **scan** [Gol86, SST09]. **scan-line** [Gol86]. **scanning** [GGL+05]. **scatter** [GLMBMPMV03, GGV04]. **scattered** [BG91a, CUSR88]. **Scattering** [BL99, FMR90, SSP+98]. **Scavenger** [SW91]. **scenes** [CM95, Lee97, RJ97]. **SCFGs** [XDZL10]. **schedule** [BGR00, DC15, MT90, Moo04]. **scheduler** [TS88]. **schedules** [BDK98]. **Scheduling** [Aub11, BDF+00, BLR03, BDSd94, BCR00, CS97b, DG99, GB14, Kha12, LZ00, Mis87, MS99b, Ver99, Ver00, AD96, ABR03, APBcF16, AGLP06, ABMT99, AMP92, AGGG06, BEY00, BKS06, BM11, BGG+99, BHR09, BD10, BPK12, BNS+07, BDM99, BR99, BSD11, CC92, Chr00b, CL05, Cor00, DM04, DT96, Eis89, ECLV12, GO88, GMS04, GNY00, HJ05, HK02a, KKT00, KK03, KK11, KS05, KJA15, KP96, KY94, LGC97, Lah00, LLP00, LKHL03, LSC+15, LGD+15, Liu86, Liu98, Mar92, MCP+14, Mun99, NL98, PRV08, PKR00, QJ06, RRP03, RC15, RT88, RBL97, SM13, SG02a, SS04, SLH+13b, SR10, TRLD13, TE92, VLL90, WL13b, WZS+14, WZCG14, WS94, YG93, YCS07, ZLPF16, ZRS13, BD95]. **scheme** [AALK01, AQ93, Ara03, CHH+01, CSH+11, CNK93, Cor00, CQ01, CGM05, FG89, KY98, MC09, MRRP11, PLY02, SKN04, SS90, SNO99, WW92, WC94, WZS+14, WH94, XXQ+15, ZL94]. **schemes** [BSE88, BFM90, DFM99, Duf86, GLD08, HWB92, HHSM88, HHJP16, MT95, RV96, SDv98, YD01, ZY16, ZGG92]. **Schlegl** [HE88]. **Schmidt** [BO91, OW90, Str08, WC91]. **Schwarz** [ESK88, LG09, Mei86, PHD16, Rod85]. **Science** [Ano88b, ABG+03, AC00, CDR+95, SCM+98, WCM+14]. **Scientific** [BCL91, Jou97, BC97, BOS+09, BOG15, CCGG14, CTS02, CD98, CC16, DT97, DST01, Eck90, FDTZ04, HST87, LTV96, MV87b, NS02, ONB11, ONOK13, OID+12, Pel97, SC03, SC05, YPG03]. **scientific-application** [BOS+09]. **Scilab** [C+01a, C+01a]. **Scotch** [CP08]. **Scout** [MIA+07]. **scratches** [IT08]. **Screen** [Ban97]. **Screen-parallel** [Ban97]. **screening** [JBC+07]. **scripting** [KPL+12, WHW+11]. **scripting-based** [KPL+12]. **SCS** [WSL88]. **SCS-40** [WSL88].

SDAFT [YZWcF14]. **SDPARA** [YFK03]. **Search** [Wal01, ABGC+14, ACGL04, BBL+16, BBQOQO00, BGM03, CGGG03, Dzw91, FM15, GLMBMPMV03, GLS01, Loh96, MGCB+10, PR90, PKR00, RRA11, SKC90, Tai91, THG98, TCT00, TCS04, TO89, DC15]. **searches** [MC09]. **Searching** [EAKT90, PRW88, CCS94, HSN89, ME92a, Wal01]. **second** [ADF93, BGWW97]. **secondary** [Bjø87, TLS+08, XDZL10]. **secret** [SBZ04]. **secure** [CLJ14, FLYL16, JCWP07]. **Security** [BGP+97]. **Segment** [ZL94, CF93, CRD02]. **segmentation** [AGB97, BCYB11, GWC+99, LSA+95, MCG98]. **segmented** [AL88, LV15]. **Seidel** [BP02]. **Seismic** [CFD+16, DDF+10, HB84, KN88, SSS99]. **Selected** [MTW07, PŚ00]. **Selecting** [LSL02]. **Selection** [BFVRC14, SlWC89, GF03, KJA05, PMAL14, PGBF+07, She92, Uhl96]. **selective** [CSW01, DCG+07]. **selectsort** [HK90a]. **Self** [BFVRC14, DR15, GV06, NH11, SM13, ORS90, SSP+98, TS88, WC94, WHW91, YCS07, ZSI02, da 90]. **Self-adaptive** [GV06]. **Self-adaptivity** [BFVRC14]. **self-adjusting** [WC94]. **self-consistent** [SSP+98]. **self-organization** [da 90]. **self-organizing** [ORS90, WHW91]. **self-scheduler** [TS88]. **self-scheduling** [YCS07]. **Self-similarity** [NH11]. **self-testing** [ZSI02]. **Self-tuning** [DR15]. **Semantic** [Bak00, AKSS07, Vio04]. **semi** [DLPS92, ZBG88]. **semi-automatic** [ZBG88]. **semi-systolic** [DLPS92]. **semiconductor** [MW94, PZE94]. **semidefinite** [NYFK06, YFK03]. **sensing** [OA08, YPL12]. **Sensitivity** [GMS04]. **sensors** [OA08]. **separable** [CDGM96]. **sequence** [DEH+11, EAR93, GK04, MC09, OGC+15, TS09]. **sequences** [AvHL+97, BMCA98, HK06, Lec89]. **sequential** [AS86, FLW86, GW08, GM03, RVD10, Wil85, Reg01]. **serial** [BF92, Hot89, Lan90, SMP11, Y+99]. **serialization** [PGAA16]. **series** [CCRR91, Cor99, DLPS92, MS99b, OW94, Pop88]. **server** [BA02, CS97b, DFRC94, GLD08, JSC97]. **servers** [Che98b, GM98, GLP98, RBL97]. **Service** [SVC07, BK07, JCWP07, KG03]. **services** [BGK+98]. **set** [BCC+97a, BCC+97b, CKM93, GP98, GHC04, HT94, HL99, Hwa04, Leu89, MSE93, SL90a, Ski02, XCS05]. **set-to-set** [GP98]. **set-up** [XCS05]. **sets** [BE97, EAKT90, JON08, LC02, ME92a, ME93b, ME93a]. **Several** [AFK01, But92, CLA14]. **SHA3** [FLYL16]. **shadows** [ISH03]. **Shafer** [WH93]. **shallow** [PAF+97]. **Shape** [DPSW00, HKSK97, ML00, MJ94, TKG97]. **Shape-optimized** [DPSW00]. **shaped** [PMAL14]. **Sharded** [LNLK13]. **sharding** [LNLK13]. **shared** [APPG15, ATA+16, AFD13, ADMV05, Bai88, BC04, BM01b, BD89b, Bro88b, BS96, BMG07, BFR93, CSH+11, CG89b, DM02, ECG93, FHMS93, FM88, GSE+15, Ger98, GK92, GHH+03, GB14, GL97, HCT16, Jor86, KW90, Kan93, KK03, KK11, KJA15, KV99, KKŽ05, KZV97, LSL14, Lan99, LFS14, LSL02, LF00, Mat95, MSSC10, MBK12, PLY02, PK05, PRV87, Phi91, RGDM15, SG02a, SB94b, SSOB03, VA14, WC94, WY11, WE91b, WE92, Wri91, ZE92]. **shared-** [LF00]. **shared-data** [ATA+16]. **shared-memory** [BC04, BMG07, CG89b, ECG93, GB14, GL97, KK11, LSL14, PK05, SB94b]. **sharing** [AFJG06, DGBP05, Fig06, PRS+14, YX07]. **sharper** [GT90]. **shear** [PCA01, SL03]. **shear-warp** [SL03]. **shells** [CEM+99, Wan09]. **Shift** [Mak94b, ALH+14, MM95, SNO99]. **shift-invert** [ALH+14]. **Shift-net** [Mak94b]. **shooting** [Gol88, KH92, Kie94]. **shop** [ABR03, MMT06]. **Short**

[Bek95a, BD95, CC95, Cho92, CNK93, De 95, GE92, HC92a, KH95, KK92, KC93b, Oed92, SSY02, SW91, VP95, ZK92, ZL94, GVH08, HE88, KS87, KAD09, ZGG92]. **short-range** [GVH08]. **short-vector** [KAD09]. **shortest** [CCS87, EHE92, GS04, GT90, HTB01, LNS03, PB94, Trä95, TF01]. **shower** [MB88]. **shrinking** [RS92]. **shuffle** [CS89a]. **shuffle-exchange** [CS89a]. **SI** [AMN16]. **side** [MBC97]. **side-effects** [MBC97]. **sided** [RVGG01]. **sides** [CLA14, Ter10]. **SIEMENS** [EHHS89]. **signal** [FFLV96]. **signaling** [MZ04]. **signatures** [PW87]. **SilkRoad** [PWY03]. **SIMD** [BE89, BDK96, CC95, Chr98, DEGS95, DJH05, GK92, HXW+13, JK91, JCL92, Kas85, KCN99, KAD09, Li91, MD88, MP95, SSL03, WZ90, ZRPI89]. **SIMD/MIMD** [Kas85]. **SimGrid** [KdBMA+13]. **similarity** [MC09, NH11]. **Simple** [BGV97, LLP00, Lau93, RBL97, IB01, JH97, SS89b, Y+99, GP86]. **simplex** [MM00]. **simplicity** [San02]. **Simplified** [Rob00, CK90, GO88]. **SIMULA** [PM89]. **simulate** [EGTD99, PBTC89]. **simulated** [AC89, BL93a, DW00, JK91, LR16, MG95, OWW16, WWR05]. **Simulating** [TO91, ZLPF16, MSOCG+16]. **Simulation** [CCCP92, DS03, DS92, HSR+14, Lan90, WLK97, Amm89, ACC+88, AMMV98, ADR+05, BBK90, BM01a, BJP+89, BDK06, BG98, CE94, CFC99, CDK+03, CW97, CT88, CLZ01, CQ01, DRJSW97, DG95b, DBVS01, DF98, DLPS92, DAG+09, ED04, FMS+06, FC05, GJMMS97, GAW96, HM01, HGS10, KD97, KHN01, LLPV06, LG01, Lin93, Luc01, MD88, Mic90, MB88, NR01, OL86, OCE+07, OCSBY01, PM89, PZE94, POHS14, SSLK00, SWW99, SAWH88, SM91, SML+14, SP93, STKA96, TKG97, TS99, TB07, TCT00, TBM+16b, WNES01, WS04, ZLM98, Zha95]. **simulation-generated** [DLPS92]. **simulations** [AAV08, Bis84, BT01, CLL99, CFD+16, DWM+01, DDF+10, EZ99, FHK+15, GKS98, GVH08, Gup99, KT00, Koh95, LLP00, LVC16, LBWR90, LS93, LK10, MSMC15b, MZ04, MO99, OAJ+16, ORS90, Par87a, PCA01, SHvAP13, Sch92, SR97, Yaş01, WH15]. **simulator** [ADE84, KdBMA+13, MW94, TTT+92, CFN03, HUYK04, IUY+04, Nak05, Sat04, SZ04, YS04]. **simultaneous** [DW00, ED91, Kat01]. **Single** [HMS+07, CCS87, DGNP88, HT92, Trä95]. **single-channel** [HT92]. **single-program-multiple-data** [DGNP88]. **single-source** [Trä95]. **singular** [Bis89, KS91a, KN09, Lan99]. **situ** [OAJ+16]. **Size** [DZ90, CAS09, CS95, CHLS90, CTW14, CMP92, DDP90b, DCD97, HSR+14, Lin91a, MW91, ZRPI89]. **size-optimal** [CMP92]. **skeletal** [Col04, GV06]. **skeleton** [CMV+06, CV02]. **skeleton-based** [CV02]. **Skeletons** [SG02b, BCB02, Col04, DA06, DMT06, DLdS06, FSCL06, GS06, HHOMR06, MHT06]. **skewed** [BF95]. **skewing** [LX00]. **skid** [RH13]. **SkIE** [BDPV99]. **SKIPPER** [SG02b]. **SKYHI** [JKH95]. **slackers** [ORM+10]. **slave** [HP05, JMLBL98, PRV08, dSS09]. **slicing** [LOST16, BBC+11]. **Slow** [Dod90]. **smart** [OA08]. **Smith** [JW09, NW96, Ste13]. **smoothing** [PS89b]. **SMP** [Hat06, JKHK08, PB11, RDS13, SSOB03]. **SMPs** [ADPV03, NU05]. **SMPSs** [MRBQO14]. **SNAIL** [MSS+05, Y+99]. **SNAIL-2** [MSS+05]. **Sodan** [Hol11]. **soft** [EMB89, ISH03, MF16, TYSF13, XXQ+15]. **soft-systolic** [EMB89]. **Software** [BVC16, RH13, SYP13, YS04, BPP10, BNK15, CCGG14, CD98, CBV13, CWDG07, ES06, GAA+13, Gut88, HH89, HA05, JH97, KKHY06b, KRW88, KKH04, LSL02, Nag90, NE01, Oya99, PSS01, PK05, R+00, SP94, SKG02, STT94, WPD01, tV96]. **solid** [KH97]. **Solution** [Cap88, FBMV88, Wri90, ADF93, Ala95,

ABMQO11, AAHF97, AGLP06, ADGS10, ABB+11, AIIV98, BD89a, Bas94, BEK+11, Bev89, Bon91, CL02, CW97, CL05, DWL+12, DvdV99, DR03, EB88, ER89, Eva92, EW93, EY94, GKT+15, GS89, Gao87, GHC04, Gur88, HJ97b, HHJP16, JP94, Kie94, KPS90, KKB93, LRH97, LLP00, LSS88, McB88a, Mel87, Mel88, MLM+00, MS90, PRS+14, Pir93, Pis92, RS08, RP85, RSSS94, RO88, Sch87, SE98, Sun97a, THK14, VL05, Wag89, WCM+14, van87a]. **solutions** [CWB92, Far96, Lan96b, MNP93, MGSK87, PFTB15, RS88, Sab97, SHH+97, SM90]. **solve** [BGMT00, KR10, LQ92, RG92, TSCS14]. **solved** [LMH08]. **solver** [AJ95, ABB+16, ADPV03, ADTV01, AIIV98, Bjø87, Bru91, CLL99, CLA14, CDJ08, DE09, DR95, DF00, EL95, FA11, GYH94, GV01, GW95, GG10, GPSK09, GLU03, HS90, HRR02, HJ97c, HGLR07, IHM+12, KYLH01, LSL14, LC90, LPMD01, NP05, Not95, PCA01, Pet97, PS06, PHD16, PMLT03, PEO16, Rea90, SS88, TSJB00, THM+95, VKS+15, ZZ03, di 97, GZ99]. **solvers** [ADLL03, ARB94, ARB95, BBK90, BT88, Cv98, DS84, DS05, EB98, FHMS93, GHP10, HKL01, HJ97a, HEB96, KS16, KA96, LPNJR96, LV92, MS03b, MS04b, MS91, MSV15, Nak05, OKTR13, PGW16, RRS88, RBM+16, SG16, SBO+91, Vaj84, ZM94]. **Solving** [BBQOQO00, Bol86, BGB10, CSEK03, CMM+88a, DZ90, DJ87, GR89, GMW96, Gro87, HSS07, KR00, KŠR04a, KŠR04b, LLPV06, LPH00, PG91, Reu88, SL90a, SW03, Won88, APRP97, BBB+14, BG91b, BE93b, BWW89, BGM03, CW06, CB97, CKLM14, DM03, EM87, ED91, Fie96, HM89a, HK91, Jou89, KS89, KL90a, Koç97, LT09, Lop93, LNA06, MWH95, MQ89, ME90c, Mei85, MP11, Mil01, MHH97, MOF04, Nag88, PW89, RR89, RM97, Rot95, SN88, SZ02, SE93, SM88, Stp93, Ter10, Ter13, TRSHB04, WB88]. **SOM** [HKSK97]. **Some** [BK97, Hir86, LTV96, LR89, MR86, Par87a, Tro94, BP97, Bro89, BM90, Car88a, DS84, DSS86, DNL15, KH95, Laf02, MRJ89, NBB+02, RS87, Sýk84, TSJB00, Wei91, Zla88, ZKCL04]. **SOME-Bus** [ZKCL04]. **sonar** [GMF00]. **Sophie** [MC04]. **SOR** [BFM90, CKLM14, DWX+12, Eva84, Gen87, Kam87, Mei86]. **sort** [CKS03, EY86, MP87]. **sort-first** [CKS03]. **sorted** [SC95]. **sorters** [Hor91]. **Sorting** [CJBK93, AS86, Car88a, Eva90, HK90a, HK90b, LLS+93, LL90, LS92, MRT93, MRJ89, Qui88, RS87, Uml94, WE92, ZM96]. **sorting-merging** [Eva90]. **source** [CCS87, RGBC11, Trä95]. **sources** [TB03]. **SP2** [GYL00, XH96]. **Space** [BBC+11, BCMSW04, CFMM97, DE09, Dec00, DHS89, EM85, FWL03, Fig06, GZ99, GPSK09, PEO16, SSOB03, Sur10, Kon11, NZHY11]. **space-filling** [GZ99]. **space-sharing** [Fig06]. **spaces** [Xue96]. **Spacetime** [BR90]. **Spacetime-minimal** [BR90]. **spacetrees** [WVHR16]. **Spanning** [FA96, BHK89, BDK96, DDP90b, DY91, HWW92, LS97, ME84, TY91b, Tou02, YTCW07]. **spark** [Yaş01]. **spark-ignited** [Yaş01]. **Sparse** [BVWH14, DS13, DD87, Pet91, ASA16, Ala95, ABMQO11, ADPV03, ADLL03, AMP92, BRS97, BPS01, BF06, Bjø87, BJV+16, CGG01, CCL04, CDJ08, DEGS95, DS05, EL16, EK98, FG89, GMW96, GP90, GLN89, GW95, GR01, GH90, HRR02, HCR01, JP94, KD10, KKB93, LKHL03, LC99a, Liu86, Liu89, LV15, MM00, Mar14, Mat95, Mel88, MP02, MNP93, MS90, ORM+10, OHZ98, Pet84, Pin91, RR89, RP85, RSD16, RZ95, Rot95, RR16, SSSG03, SA16, SZ02, Sun97a, THK14, VFG12, WP88, Wag89, WE94, WOV+09, YB11, ZE92, ZG88, SLC+16]. **sparse-grid** [EK98]. **spatial** [FSKF06, PM03, WA03]. **SPEC** [Dix91]. **Special**

[AMN16, ASSS11, AGKS15, AGKS16, BH14, BVC16, BDG+10, BOG15, CBV13, CT94, KST02, RST11, SYP13, TBM16a, TFV16, DF95b, DR03, KVW97b, RC14]. **specialized** [BDNP11]. **specific** [MPZS13]. **specification** [GO88, HK98, KKHY06b, LOST16]. **specifications** [RW89]. **specified** [CLZ01]. **Specifying** [BGK+98, DD89]. **SPECT** [MDC+08]. **Spectral** [LSF+15, ALH+14, BK94, Bas94, Car88b, Cha99, DWM+01, FR95, GGFF93, GPSK09, Kru97, MWI+15, NP05, VR95]. **spectral/finite** [MWI+15]. **spectral/hp** [GPSK09]. **speculation** [NB12]. **Speculative** [LV15, NB12]. **Speed** [ARB94, ARB95, DWB99, DW00, FKK+06, GJMMS97, Hee97]. **Speed-up** [ARB94, ARB95, Hee97]. **speedup** [FLW86, HOSS91, Jan87, NHS+95, Zub90, ZGG92]. **speedups** [CRT89, Fis91]. **sphere** [KPH97]. **spherical** [CEM+99]. **SPIKE** [MP11, PS06, SML+14]. **spiking** [PMS+13]. **SpiNNaker** [NFG+13, NLP+15]. **spline** [BZ96]. **Split** [EAR93, AHBLR12, SCCP08, WBS06]. **split-and-merge** [AHBLR12]. **split-step** [SCCP08]. **SPMD** [Has01, MCP+14, PRR03, SV97]. **spots** [AB93]. **spray** [NC02]. **SQL** [HM02]. **square** [CUSR88, MR85, TT00]. **square-roots** [MR85]. **squares** [KCN99, LWS02, MS90, NP05, OHZ98, PGW16, Str08, Sun97a, YK08, Zhu93, ZG16]. **squaring** [EL91]. **SR8000** [Tak03]. **SS** [RSSS94]. **SSOR** [Lip99a]. **Stability** [Ron84, Yal97, Gao87, YE94]. **Stabilized** [DS05]. **stack** [UN87]. **stage** [BGMT00, KK11, Zho93]. **stages** [NAC+14]. **Standard** [Sne88, Wal94a, Wal94b, GLDS96]. **staples** [Hio96]. **star** [AQ93, CWC00, Fu07, LS98, Miš98, SS95]. **StarFish** [FMB98]. **starvation** [Ann89]. **State** [LR88, Mic97, LRH97, SKH+12]. **State-of-the-art** [LR88, SKH+12]. **State/NCAR** [Mic97]. **statement** [BPK12]. **statements** [HvNJB12, LC02]. **states** [GWWM09, NHS+95]. **Static** [BRRV11, BDRV99, SS94a, ČSR05, Gir02, KY98, MJ95, YEC97]. **stationary** [Beb97]. **Statistical** [DLPS92, CTW14]. **statistics** [POHS14]. **status** [DDdSL02, MVZ98, Pei88]. **steady** [LRH97]. **stealing** [LNLK13]. **Steiner** [DUG+06]. **stencil** [KD13, XXQ+15]. **stencil-based** [XXQ+15]. **step** [BSE88, BKS06, CG89a, CS96, CGMM99, Don05, SCCP08, WE97]. **stepping** [Sur10, WBD99b, WBD99a]. **steps** [ALTZ02, Mar92, Müh90]. **stiff** [DF00]. **stiffness** [Kra84]. **Stochastic** [Güs99, BP93, BP95, BGMT00, BG07, Blo03, Dod89, LMH08, NZ97, SHPA05, ZCPT00]. **Stokes** [AIIV98, Bas94, DLR94, GV01, LSS88, OJ90, PATC99, PCA01, VvBv90]. **Storage** [AGL08, BAB+02, Bjø87, BWT+08, Che98b, DCD97, DWH+08, FG89, FMB98, GKS07, LF98, LFS14, ND95, ONOK13, PCN10, SC03, SDv98, WL13b, DWH+08]. **store** [ZP16]. **storing** [KS91a]. **Straightforward** [GGNY11, Thu91]. **strategem** [CUSR88]. **Strategies** [CT88, Ran97, AFK01, BRRV11, BG07, BCG00, DW99, Fer97, FMD98, Gin99, GV08, KM89, Lan96b, LLP00, LDK16, Lil94, LGD+15, Loh96, LK10, MSK14, PHD16, PP98, Ran00, SMP11]. **strategy** [AC94a, Buz86, DF00, HW94, KJA05, LZCT15, ML00, MMT07, MX07, NC02, PCA01, SOH94, Thu90]. **stream** [BCRSR11, JSC97, LBH07]. **stream-processing** [BCRSR11]. **streaming** [HMS+07, SDMS12]. **streams** [CS97b]. **stride** [YE94]. **strides** [EY94]. **string** [GE93]. **strings** [IR00]. **striped** [Mel88]. **striping** [TF98]. **strong** [FC05, MWI+15, Sch91a]. **strongly** [GG10, KKW14]. **structural**

[Bjø87, CMPM+15, LR99, LVC16]. **Structure** [THK14, ABB+11, BF92, Ber00, BCC+97b, GMMT16, GEvGCP09, GM04a, GM04b, LSA+95, MP95, N+00, PIG+16, RWT97, XDZL10, da 90]. **Structure-adaptive** [THK14]. **Structured** [DEGS95, WW90, BN01, CKRZ98, CV02, DAD11, EJLC00, IJCL96, PMLT03, Ran00, SW03, WE94]. **structures** [ATT92, Bro86, Hag91, Han85, LH02, NZ92, TLS+08, WE91b]. **Structuring** [Jor86]. **studies** [Cal85, GGFF93, TTT+92, WLK97]. **Study** [PK05, PGAA16, AMMV98, AGK98, BGG+99, Ber00, BF06, CDM06, Chr98, CEM+99, CLZ01, GHW08, GW08, GH98, GLD08, Kas84, LSL14, Lef97, LCD91, LBWR90, LF88, MMT06, MAM+09, MST94, MOF04, NAC+14, N+00, RSRM96, RSK99, SEAH+08, SB94a, SSLK00, SH88, Sod02, SS94b, TCT00, TO89, Wal01, YM05, ZY16]. **studying** [TLS+08]. **Sub** [DM04, ES88]. **sub-implicit** [ES88]. **Subcube** [AC94b, CS97a, CGQ93, GF03, KSP97]. **subcube-grid** [CGQ93]. **subcube-ring** [CS97a]. **subcubes** [EAR93]. **subdomain** [KS01, PHD16]. **subdomains** [mMvdV01]. **subgraphs** [FA96]. **subject** [MS99b, Ver99]. **submatrix** [CG92]. **suboptimal** [CKM93]. **subprograms** [LN87]. **subroutine** [DZG94]. **subsequence** [Lin94]. **subset** [GK03]. **subspace** [LR99, de 96]. **substitution** [CS89b]. **substitutions** [LC89]. **substrate** [AFY+16]. **subsystem** [BMG07]. **subtasking** [HS89]. **subtasks** [SSS+05]. **subtraction** [ST95]. **subword** [DCDV98]. **Successive** [EL90, CKM94, EMB89, PJ84]. **Sufficient** [ÜD89]. **suffix** [ABGC+14, KS07]. **suitable** [Blo03, LG09, MAS06, PJV00]. **suite** [DFRR91, GSE+15, MKL+01, TG09]. **sum** [HA14, LV15, TDW03, Wen95]. **Summary** [Kau94]. **summation** [HSS09]. **Summer** [KB08]. **sums** [Obe85]. **super** [MTV08, NHS+95, SOS97]. **super-** [SOS97]. **super-/hypersonic** [SOS97]. **super-linear** [NHS+95]. **super-peer** [MTV08]. **SUPERB** [ZBG88, ZBC94]. **supercell** [OWW16]. **supercomputer** [BJV+16, CDC+87, DK01, Emm84, Erc88, Gil88, Gil94b, Gil94a, GL97, GAW96, SL90a, Wat87]. **Supercomputers** [Duf84, BS00a, DZM+13, EHHS89, Gra91, HL88, Hoc91, Hos88, MRSB94, Oya99, RD07, SH91, TKI85, TRLD13, WLCG02]. **Supercomputing** [PB98, YK87, BH92]. **Supercomputing-based** [PB98]. **superconductivity** [KSM+94]. **supercube** [LH02]. **Superlinear** [FLW86, Fis91, Jan87]. **Supernodal** [Ng93]. **supernodes** [HRR08a]. **superscalar** [SC92]. **Support** [CCL04, SYP13, AART13, DLR94, Evr01, FAS02, HT00, JMA+13, KKHY06b, KT99, MCB16, PTK04, SBP12, VJ11, ZZ03, ZPAT99]. **supporting** [DF98, FK98, SK97b, TDW03, LK00]. **supremum** [SB92b]. **SUPRENUM** [Ano88a, Ale91, Ale94, Gil88, Gil94a, Gut88, Hem94, Kam88, KK92, KM88, LH88, McB94b, McB94c, MST94, PSS94, Pei88, Sch88b, SAWH88, ST88, Tro94]. **SUPRENUM-like** [Ale91]. **surface** [C+01b, DVP90]. **surfaces** [DG15]. **surfactants** [STKA96]. **surgery** [GBH98]. **Survey** [GLP98, Ghe85, HMH+13, LJD93, TKC+14]. **sustainable** [TRLD13]. **SVD** [BOV02, BO03, BOVG10, NSS15, OV06]. **SWAMP** [Ste13]. **swarm** [LW11, SYAU07, SSN04]. **swarm-based** [SSN04]. **Swift** [WHW+11]. **switch** [Kol94, Qua92]. **switched** [Sha06]. **switches** [Jes88]. **switching** [Ann89]. **SX** [Wat87]. **Symbolic** [GHNL87, GH90, JCE96, Kan93, KKB92, Ng93, ZG88]. **symmetric** [ABB+11, AHW14, BBB+14, BW92, BC04, Eva92, GR01, Gut88, Hat06, HRR02, Kal90, Kal92, KG87, KD10, LWS02, LQ92, MRW+08, Mar14, Nat90, Pet84, PB11,

Pin91, RS08, THM+95, WC90, ZVWS88]. **symmetric-multiprocessor** [Hat06]. **Symmetry** [LJD93, DL97]. **Symposium** [Ano16k, Emm84]. **Sync** [MGCB+10]. **Sync/Async** [MGCB+10]. **Synchronised** [FM88]. **Synchronization** [ATT89, FJS85, Gre89, Hoc89, Axe86, BRWL09, BMG07, FK98, GV14, GEvGCP09, GF13, HKW13, HvNJB12, LL98, Nic95, YMG14, YLW+13]. **synchronized** [Y+99]. **synchronizing** [CWDG07]. **Synchronous** [CZ91, BC91, Bol86, EHE92, Kan97, KS99, LY93, MT89]. **Synergy** [HM89b]. **syntax** [Num05]. **Synthesis** [CC91, CMP92, GM89, HA97, Lin91b, MS00, WE97, da 90]. **Synthesizing** [RF90]. **synthetic** [FFLV96]. **System** [Eck90, Oed92, AAB+16, AALK01, AC03, A+01a, AGO97, AE93, BCGS93, BF95, BS97, BV96, Bis89, BDSd94, BJP+89, Bon91, BOS+09, Bri95, BL94b, BGL01, CDDG93, CD98, Cv98, Che98a, CS89c, CW06, CDV08, DS84, Eva92, DST15, FLYL16, FBMV88, FK94, FMB98, GW95, GHS02, HUYK04, HKSK97, HCH+96, Hoc89, IM88, JH97, JBWE14, Jou89, KRW88, KRN+11, KL90a, KLN90, KTN+14, Kol94, KKB93, Lef97, LBWR90, LC90, LBH07, mM94, MP92, MCC04, MTV08, MAS06, MSSC10, MST94, MK97, MTPE90, NL91, NS02, NK97, PK05, Pir96, Pis92, PS06, PGG11, SKN04, SXBD97, SBM+98, Sch88b, SC03, SSL03, SSS+09, ST88, Str87, SE98, SGDM94, TMCC02, Ter10, UAR+99, VKH99, WC94, WYT+16, Wat87, WB97, WS04, YS04, ZM94, de 87, AL93b, CJLS14, GHH+03]. **System** [NMW93]. **system-level** [BS97]. **System/6000** [AL93b, NMW93]. **Systematic** [MS00, Kot97, LEH14, ZLJ93]. **Systemic** [TCS04, RBS10]. **Systems** [BVC16, HKK97b, KB08, PTS+12, ASA16, AGH+94, AAB+16, AAV08, AAO13, Ale94, ABMQO11, AGLP06, AB95, ATL+12, AART13, AB93, ASH92, AE93, BBB+14, BG91b, Bak00, BBB+94, BPEL05, BEY00, BMS01a, BGWW97, BZ96, BAR98, BHR09, BGP+97, BNS+07, BSD11, BP90, BDH95, BJSN04, Bro89, Bru91, CE94, CCGG14, CS00, CPdM+97, CGMS94, CG93, CLC08, CL02, CBV13, CTW14, CLA14, CS87, CSH+11, CS96, CB97, CBP+07, CC99a, CGM+92, CN98, CMM+88a, CTT89, CDH+03, CRSS99, CGM05, DY91, DRJSW97, DIR97, Don05, DJ87, DNL15, DG94, DvdV99, Eis89, ESV10, EO91, ECLV12, ESK88, EB88, EW93, EY94, Fie96, FHKZ88, GP85, GKT+15, GR89, GMW96, GJMMS97, GF03, GH90, GAA+13, GV08, GYL00, GG10, GPPS99, GLS99, Hag91, HJ05, HS90, HKK97a, HRR02, Her88]. **systems** [HMH+13, IKK15, JAA06, JJM+11, JIC96, JP94, KS89, Kas85, KD97, KKH04, KLP11, KJA15, Kha12, KBG+01, Koç97, KG03, KM88, KR00, KCN99, Kot97, KM89, KPS90, LLPV06, Li89, LT09, LDK16, LSL02, Lin01, Liu98, LZCT15, LPAZ97, LQ92, LMKH97, MD04, MS03a, MKS91, MRW+08, Mak94b, MT89, MMO07, Meh93, Mei85, MT00, Mel87, Mel88, MP11, MNP93, Mis87, MK12, MOF04, ME92c, MGT+13, MGSK87, NMMG13, OR88, Pap98, PG91, PY00, PLY02, PW89, PCN10, PP98, QJ06, Qua92, RRS88, RR89, RS08, Rea90, RP85, Reu88, RCAP11, RMACG10, RT88, RO88, Rot95, SEAH+08, SSSG03, SS02, SBP12, SAOKZ06, SG02a, Sch87, SS94a, She93, SZ02, SSD01, Slo91, SE93, Ste90, Stp93, Sýk84, Tak06, Ter13, TDW+04, TDB10, THK14, TE92, TJ97]. **systems** [VL05, VA14, Wag89, WB88, WE93, WE94, WLK97, WL13b, Wei97, WHW91, Yal97, YX07, YMG14, YLW+13, YSBM97, YK87, ZSI02, ZYZ+16, van87a, van87b]. **Systolic** [AS86, AU88, CTT89, DZ90, DLPS92, EMB89, EM90, EA95, KC93a, KKSS90, KS91b, Li90, ME90a, ME92a, ME90c, MBC92, MS89, MKC92, SMK91, SK91, TGE92, BE87, Bek95a, BR89, BR90, CS89a,

DVP90, DS93, DQRR00, EM86, EM87, Eva89, Eva92, EG94b, FF92, GM89, GE93, Hor91, HHH92, Jou89, Kat86, KLS+88, LT94, LS90, Lin90, Lin91a, Lin94, Lip99b, LPPS01, LT90, MO89, Mar95, ME90b, Meg90b, ME92b, MF16, Möl99, MRSB94, PS89b, RF90, Ris90, SS89b, SS91a, SS91b, SM87, Tor91, TH89, TL90, UN87, Ume89, WE93, WE94, ZLJ93, ZM88b].

T [KSM+94, Pop88, TM90, VFG12]. **T-RACK** [TM90]. **T-Series** [Pop88]. **T20** [CFH89]. **T3D** [CC96a, HEB96, WLN+96, XH96]. **T3E** [GYL00, ZCPT00]. **table** [CDA+16]. **tables** [BRS+08, DM90, EM87, QP16]. **taboo** [Tai91]. **tabu** [BGM03, CGGG03, GLS01, PKR00, THG98, ACGL04]. **Talbot** [dGR95]. **tangent** [CARW91]. **Tank** [SH90]. **TaPIA** [TFV16]. **target** [HKW13]. **targeting** [ZG16]. **targets** [VBS+15]. **Task** [BTZ06, Cal85, GBH98, GHM97, LKHL03, APBcF16, ARCH05, ABB+16, Ara03, BBL+16, BKS06, BM11, BDM99, BR99, CBP+07, DT96, EB93, GV08, GV06, GF13, HJ05, JDH96, KKT00, KK03, Kd88, KY98, KS05, LX00, Liu86, LZ00, MKS91, Man01b, Mar92, MRBQO14, NAC+14, NJ02, PKR00, RRP03, ROZ01, SS94a, SLH+13b, VB95, WZS+14, WvR16, WS94]. **task-graphs** [LZ00]. **Task-oriented** [GBH98]. **task-parallel** [APBcF16]. **task-parallelism** [MRBQO14]. **task-transfer** [EB93]. **task-uncoordinated** [WvR16]. **Taskgraph** [Hur93]. **tasking** [MSW91]. **Tasks** [RR14, ABMT99, Aub11, BDF+00, BHR09, BDSd94, DC15, DRST03, Fig06, MT90, Moo04, QJ06, SSN04, TS88, VB92, Ver99, RR16, dSS09]. **Taxonomy** [Kut85, Wor91]. **TC** [SM13]. **TC/SL** [SM13]. **team** [CGOP03]. **technique** [AAHF97, BZ96, CCS94, CHLO85, Glo95a, HOSS91, Sil88, TB03, TE92]. **Techniques** [Lee95, AAS13, AFPG12, Ano99b, AATK10, AGK98, CDRV97, DR95, DBVS01, DW99, FBG+12, GLP98, GPPS99, Güs99, JSC97, KCRB98, KBGZ88, Loh96, Lop93, MSW98, Pet91, PHCR05, Psa02, RE98, RH12, RH13, SWW99, SZ02, TKC+14, YS96, YTCS97, CAA98]. **technologies** [BOV09, CDK+03, LNA06, VRGÁ15]. **technology** [BFG+07, IU87, TLS+08]. **telecommunication** [BJSN04]. **tempering** [LMG09]. **templates** [PUSS97, TPK+14]. **Temporal** [TF01]. **tenancy** [ZP16]. **tensor** [KKU16, KKSS90, KS91b, Num05]. **tera** [Xu07]. **tera-scalable** [Xu07]. **teraflop** [HC05]. **Teraflops** [Maw99]. **TERM** [OTI+89]. **Termination** [GGL99, DIR97, SB96, Son92, TDW03]. **terms** [OKF16]. **tertiary** [Che98b, FMB98]. **tessellations** [JDG02]. **Test** [LEH14, TG09, AKNS91, BCGS93, CC98, CC00a, CC01, CCW01, DFRR91, HISS92]. **testbed** [TYKA95, WH97]. **Testing** [SMC03, OKSY92, ZSI02]. **Tests** [MSE93]. **tetrahedral** [Glo95a, OBG00]. **text** [ABGC+14, PW87]. **their** [BRH90, CL92, Gil94b, Güs99, JDG02]. **theorem** [CF91]. **theoretic** [BM08, HWYL89]. **Theoretical** [BA95, BMS01a]. **theory** [BP89, Gup99, Hio96, LPH00, M+00, GAW96, TFV16]. **thermal** [HSS07]. **thinning** [HW91, HS89, NOS92]. **third** [WLN+96]. **third-party** [WLN+96]. **Thread** [CAC+09, GT07, LLL10, MCP+14, ABMQO11, CDA+16, DCN+15, HCT16, IDS16, VJ11]. **Thread-based** [CAC+09]. **thread-level** [ABMQO11]. **Thread-safety** [GT07]. **threaded** [CSB00, KKH04, MP11]. **threading** [BFG+07, FWL03]. **threads** [LSL02]. **Three** [Ram07, ABMT99, Bas94, BP86, DG99, DDF+10, GHW08, HL88, JWS13, LPCA98, LS92, MSA09, OJ90, SBO+91, WBS06]. **three-** [LPCA98]. **three-dimensional** [Bas94, BP86, DG99, DDF+10, JWS13,

MSA09, OJ90, SBO+91, WBS06].
throughput [MC09, MHL06, PGG11, TPK+14, VCK+11, ZLPF16].
thunderstorm [OWW16]. **tightly** [Eva90, Qui88, WE91b]. **tile** [RRP03]. **tiled** [BLKD09, CKS03, LBH07, TX00]. **tiling** [BDRV99, DWX+12, GDAK06, XC02].
Time
[BCS15, MPZS13, XC02, AGB97, BSE88, BO91, BE93a, Beb97, BW01, BP95, BCCS07, BDH95, BG98, CLS93, CCGG14, CDV08, CCRR91, Cor99, DLR94, DR95, DWB99, Don05, DLPS92, DST15, GE11, GLS01, GMF00, HJ05, HSR+14, HT00, HK92b, IHM+12, Joh93, Kim98, KI05, KPL+12, LK00, MF16, NA03, OSZ93, QJ06, Ram07, RRP03, RSK99, Rau98, RHM+88, SM13, SC05, SMW+05, Sur10, TKK+05, TDW+04, Ume89, Ume01, Wan08, Wan09, WBD99b, WBD99a, WL14, WH91, Wri90, CQ01].
time-consuming [DST15].
time-dependent [RSK99, SMW+05].
Time-domain [BCS15, Ram07].
time-harmonic [IHM+12]. **Time-minimal** [XC02]. **time-optimal** [BE93a].
time-optimum [Ume89]. **time-parallel** [HK92b]. **time-stepping** [Sur10, WBD99b, WBD99a]. **time-to-live** [TKK+05]. **time-varying** [BCCS07]. **times** [RvG05, SSS99]. **timestamp** [BRWL09].
Timing [Car88a, GKAS91, MRJ89, RS87].
TMC [SNS+97]. **today** [Pan01]. **Toeplitz** [BE93b, CLA14, EY94, GKAS91, KL90a, LPNJR96, Pis92]. **tokamak** [TTT+92].
token [HT98]. **Tokyo** [FC05]. **tolerance** [HXCZ14, ME89, NFG+13, SHCS86, SC05, Tou02]. **tolerant** [ASDOK01, BHR09, CC02a, Cho92, FBD01, Far96, Fu03, Fu07, GAR15, GLP98, GP98, Hsi06, HG12, KL00, KH97, LW11, Loh96, LH04b, MLX07, PY00, QJ06, SS01, SW00, XCS05, Yua94, ZL04].
Tolerating [CS97a, Far94]. **tomographic** [RW98]. **tomography** [LPCA98, MRW+08, MF16, Möl99, WH91, ZLM98]. **tool** [BDH95, Bra88, CSB00, CP08, EJLC97, FDTZ04, GWWM09, JBC+04, Kre13, Lin91b, RVD10, SV97, ZBG88]. **Tools** [AGK98, BDS88, Jou97, KNP97, Ano13i, AKP+98, BCC+97a, BCC+97b, CBV13, DT97, EHR+98, EO91, HKK97a, IJCL96, KBGZ88, LMJC96, MVdLvN16, OGC+15, Pan01, Pel97, RGdS+13]. **toolset** [DRJSW97]. **top** [Lef97]. **TOP500** [DZM+13]. **Topological** [EBSS94].
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[BP97, GDMS97, GHM97, KS05, PMAL14].
Topology [da 90, Fie96, Gor97, RIB10]. **tori** [LOKM99, MSA09]. **tornado** [OWW16].
toroidal [CMP92]. **torso** [SHRN98]. **torus** [DT95, FA96, Hen93, HT98, KTN+14, LD99, QCC02, RD07, Shi01, SH01, KJ07].
torus-wrap [Hen93]. **total** [RBM+16].
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trace-driven [Lin93]. **traces** [BRWL09].
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transaction [RC15, WLK97].
Transactional
[DR15, HL13, PGAA16, RC15].
transcoding [Bar12]. **transfer** [A+02, EB93, PGG11]. **transform** [ALTZ02, BFG+07, Cha99, CC95, DZG94, FF92, HJ97b, Hol95, LHK+96, Wan09, vCd90, AFS14, AW13, CT94].
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Transformed [DZ90]. **transforming**

[Psa02]. **Transforms**
[AV15, BAK09, Cha88, FIMF99, Heg96].
TRANSIMS [NR01]. **translation** [HCL05].
translator [GScFM13]. **transmission**
[CWK09]. **Transparent**
[HXCZ14, CZTS99, GHS02, LFL11, SKG02].
transport
[ARW93, BSH88, BLFT84, FHL87, HWB92,
Mv88, Oli96, PFS+04, Zla88].
transportation [FG01, HTB01]. **transpose**
[CDW95, WBS06]. **transposed** [Mar14].
Transposing [Dow95]. **Transposition**
[VB95, MP87]. **Transputer**
[ARZ97, ACC+88, BG91b, BP90, BGL+88,
CDDG93, CCCP92, CJBK93, CMM+88b,
Dod89, EC91, HP91, Kal90, Kal92, LBWR90,
LS92, MP92, MRSB94, SS90, TY91a, WB88,
Wel89, WH91, WH93, SOS97].
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[ARZ97, CDDG93, CCCP92, MP92].
Transputers [Jes88, ARB94, ARB95,
Bur90, DY91, MP87, WC91]. **TransTOOL**
[BCC+97a]. **transversal** [TGE92]. **trapped**
[ZLPF16]. **travel** [SSS99]. **travel-times**
[SSS99]. **traveling** [Gur88, JK91, Bur04].
travelling [AC89]. **traversal** [DCR+16].
traversals [CL92, KB85]. **traversed** [CF04].
Treatment [Zla88, LP92]. **tree**
[AJ95, ACM+15, BV04, BDK96, Cho92,
DY91, DL06, EHE92, FHL87, Ger04,
GMS04, GH92, GK04, HKSK97, HK02a,
HWW92, HSN89, KB85, KKB92, LS97,
LH02, NMARD10, PYZC11, SST09, SGS95].
tree-like [NMARD10].
tree-projection-based [GK04]. **trees**
[AND05, BHK89, Bar97, BL99, FHJ+84,
GE11, GLG06, ME84, MHT06, Mun99,
OA91, QP16, ST02, TY91b, Tou02, TT00,
YTCW07]. **Trends** [IU87, YD07, BEY00,
DvdV99, SDMS05, SGDM94, YDTS01].
trendsetter [Gil88]. **tri** [VP94]. **tri-** [VP94].
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[LT90, Cv98, Fie96, KS16, KKB93, ME89,
NM01, RO88, RG92, Rot95, THK14].
triangularisation [Meg90b].
triangularizations [DR02]. **Triangulating**
[DG15]. **triangulation** [AU88, KKŽ05].
tricks [LK14]. **tridiagonal** [AJ95, AB95,
BW92, BE93b, BWW89, Bon91, Bru91,
EY94, HS90, Kal90, KL90a, KPS90, LC90,
Lin01, LPAZ97, LQ92, MWH95, Meh93,
MS91, PB11, Pis92, RS08, Rea90, Reu88,
SE93, SE98, Ter10, Ter13, TND10, THM+95,
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tridiagonalization [CUSR88]. **trivial**
[NAC+14]. **truncated** [SML+14].
truncating [Ram07]. **Tsukuba** [NNB+99].
Tukey [JK92]. **tuned** [CCGG14, CGG04].
Tuning
[NZHY11, POHS14, TTH09, CMSL06,
CSB00, DR15, JHSV02, KKHY06b,
KKHY06a, Kra84, LDK16, VFG12].
tunneling [GdCCS03]. **turbulence**
[MWI+15, MRRP11, RKMJ10]. **turbulent**
[CEM+99, Xu07]. **Turing** [Wor97]. **turn**
[FK98]. **Two** [AIIV98, BP86, DDP90b,
EM85, FCC16, Kon11, Mei86, SST09,
SG02a, Tro00, WVHR16, WC90, YB11,
Zho93, AL93b, ADLL03, BKS06, BE87,
BGMT00, Che08, CL05, CWB92, CFH89,
Eva91, Gir02, God00, GMS04, GLS99,
HAJK01, KR97, Kak88, KW90, KK11,
KY94, Li91, LC97, MM96a, MKL+01, ML00,
MSP93, MCM01, QCC02, RSK99, SSY10,
SNK06, SZ02, Sim91, SE87, Stp93, Trä95].
Two- [BP86]. **Two-constraint** [Kon11].
Two-dimensional
[AIIV98, Tro00, YB11, AL93b, BE87, KR97,
MM96a, MCM01, QCC02, RSK99, Sim91].
two-factor [God00]. **two-layered** [Kak88].
Two-level [FCC16, SG02a, ML00, SNK06].
two-list [Che08, LC97, SSY10]. **two-pass**
[Gir02, KY94]. **Two-stage**
[Zho93, BGMT00, KK11]. **two-step**
[BKS06]. **Two-tree** [SST09]. **type**
[Slo91, Tak06, WLYJ13]. **types**
[BDNP11, Li91].

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valuations [Ger04]. **value** [Bis89, Gol88, HM89c, HK91, KH92, Kie91, Kie94, KS91a, KN09, Lan99, Lop93, MPJ03, PG93, Pir93, Pir96]. **valuing** [LM00]. **variabilities** [LMKH97]. **variable** [AIIV98, BO03, Evr01, KLL+09, LC89, ZGG92]. **variables** [RH12]. **variant** [EL91, Gen87, Li97, NSS15, Zer90, ZK92]. **variants** [Mei86]. **variational** [Ran97, TL96]. **VARMAX** [ÖS94]. **varying**

[BCCS07]. **VAX** [KW90]. **VBARMS** [CLS+16]. **Vector** [Ano87, Ano88b, CC01, DS13, GH89, GMMT16, Hos88, Ort88, Riz85, AB02, Amm89, AMP92, AL88, BE89, BWW89, Bis89, Bjø87, Bro87, Bro88a, CK90, CARW91, CF91, CDC+87, CT88, CMT96, CMM+88a, DEGS95, Dow95, ETV91, FG89, FP98, GR89, GF89, Gen84, GSZ88, GR01, GL97, HH89, HCR01, Her88, Hot89, HB84, IM88, Kam88, Kan93, Kas84, KD97, Kie91, KD10, KAD09, LPNJR96, Lec89, Lin91a, LV15, Mar14, MV87a, ND95, NRN00, Pet91, RRS88, RR89, R+00, Rib84, RZ95, RS87, Sch87, Sch91b, SY87, Sor84, Swa84, VTmL03, VFG12, WP88, Web90, WOV+09, YB11, ZZ03, ZVWS88, Zla88, van86, van87b]. **Vector-** [GH89, Her88]. **vector-parallel** [NRN00, R+00]. **Vector-supercomputers** [Hos88]. **Vectorisation** [Gol88, Gol86, Sil88]. **vectorizable** [EV89, Gen87]. **Vectorization** [BM90, DCG90, AE86, Buz86, KPS90, MCP+14, SL90b, Wak04]. **Vectorized** [BLFT84, Kra84, dCC89, Lev90]. **vectorizing** [LCD91]. **vectors** [ASDOK01, LL88]. **vehicle** [ACGL04, Bis84, LG01, Ral03, Reg01]. **vehicles** [LG01]. **velocity** [Lun98]. **verification** [BDM99, DS92]. **versatile** [BR99]. **versatility** [LLS+93]. **version** [Adr99, AM93, AT98, CC00a, CCW01, GYL00, RH99, SK97a, SB97, YFK03]. **versions** [BDOS95, SSS+05]. **versus** [Ahm97, BT01, BRS+08, But92, Dod90, TLS16]. **vertex** [GPSK09]. **vertical** [IT08]. **vertices** [GS04, Hsi06]. **very** [B+01, DHS00, Wel89]. **Vese** [SPW+15]. **VF** [Pet91, Reu88]. **via** [BMCA98, CMPM+15, CTW14, CLZ01, DR03, HRT07, HCL05, MAFC14, SHPA05]. **viability** [SKST08]. **ViC*** [CH97]. **Video** [AHL02, AALK01, AGB97, Bar12, BC04, CS97b, GLD08, Kut02, MP08a, MP08b, UZ02]. **video-on-demand** [CS97b]. **Vienna** [ZBC94]. **View** [LG03, AC94b, DDdSL02, Sch95, TBM+16b, VRGÁ15, HL13]. **View-Oriented** [HL13]. **Virtual** [BCMSW03, Dec00, JBC+07, BGWW97, DCG+07, Ger98, JBWE14, MOF04, TLS+08, YX07]. **virus** [WCKM11]. **viscous** [PMLT03]. **Visibility** [APRP97, AU88, CF93]. **vision** [KBBC88, PAD02]. **vision-application** [PAD02]. **Visions** [CLC08]. **visualisation** [CJ97, KC97, RB03]. **Visualization** [CC16, OWW16, Rob99, BCC+97b, CSB00, GWLS05, KMLM97, KZV97, LMC05, OAJ+16, RSB05, SRH07, SHN12, SSV+16, SMW+05, WE97, YM05]. **Visualizations** [LVC16]. **Visualizing** [PIG+16, BCCS07]. **vital** [HWW92, LS97]. **Vlasiator** [SHvAP13]. **Vlasov** [DE09, SHvAP13]. **VLIW** [NS11]. **VLSI** [AK89b, ASH92, BE93a, Bar95, CS87, CS89c, CS89b, Cho91, DZ90, EG92b, GE92, LV92, MNP93, SM91, Sýk84, Tor91]. **VLSI/WSI** [Cho91]. **VMEC** [ROZ01]. **VOD** [GLP98]. **voice** [Lin93]. **volcanic** [OCE+07]. **voltage** [SAWH88]. **Volume** [KZV97, Ano84a, Ano01, CFN03, FBAB13, GWLS05, HK02a, KC97, Riz85, SL03, SMW+05, SIH14, WE97, Wit98]. **volumes** [MSE07]. **Voronoi** [JDG02]. **Voronoĭ** [ES89c, Jeo91a, Jeo91b]. **Vorton** [Kas84]. **VP** [EHHS89, HL88, TKI85]. **VP-100** [TKI85]. **VP-100/200** [TKI85]. **VP-200** [HL88]. **VPP** [Heg96]. **VPP500** [SE98]. **VPP700** [KYLH01]. **vs** [BBC+11, Chr98, DLPS92]. **vs.** [DT95]. **VTC** [NU05]. **VVP** [IM88].

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DDF+10, HSS07, KLP11, Tol02]. **wave-front** [KLP11]. **waveform** [LG09]. **wavefront** [EB88, TPK+13]. **wavefunction** [BCA08]. **Wavelet** [Uhl96, ALTZ02, BFG+07, Hol95, LSA+95, WC15]. **wavenumber** [PATC99]. **WAVEWATCH** [Tol02]. **way** [CCGG14, EY86, Zho93]. **weak** [GSMY+07]. **weakly** [Ema10]. **Weather** [Kau94, Sel95, BMS97, BK94, BDI+95, DF95a, DF95b, GJS93a, GJS93b, HJ97b, MJ99, RE98, SXBD97]. **Web** [MGCB+10, Wal01]. **webs** [ABG+03]. **Weight** [GV11, BDK96, N+00, Shy90, da 90]. **weighted** [BSD11, FIMF99, SSB12]. **weights** [ZG16]. **where** [Laf02]. **Which** [BC97, Cha99]. **while** [GGL99]. **whole** [AAB+16]. **whole-system** [AAB+16]. **Wide** [FGG+98, Con89, FCM03, KBG+01]. **Wide-area** [FGG+98, KBG+01]. **Wilson** [GLS99]. **wind** [SMC16, FMS01]. **WinSGL** [CWDG07]. **wire** [Tor91]. **wire-routing** [Tor91]. **within** [FMM+02, OWW16]. **without** [BL99, Fei91, HK90b, YG93]. **WK** [SHCD00]. **WK-recursive** [SHCD00]. **work** [BTZ06, CS89a, CGM05, Kau94, MCM01]. **work-conserving** [BTZ06]. **worker** [BPP10]. **Workflow** [YBM05, BDNP11, WL13b, ZRS13]. **workflows** [VCK+11]. **workload** [Kot97, LSL02, LMKH97, ZP16]. **workload-aware** [ZP16]. **workloads** [APBcF16, BLR03, LSC+15, MCP+14, RC15]. **worksharing** [BRRV11]. **Workshop** [DT97, HKK97b, Jou97, KVW97a]. **workstation** [CS93, DG95a, HP97, NHS+95, NMW93, PM95, SNS+97, SOS97]. **workstations** [AL93b, ACLN03, AFK01, AS00, CSEK03, HSR+14, HL97, kLH95, LX00, LK00, MHH97, PVP08]. **world** [DZM+13, Ken90]. **Wormhole** [LS98, Shi01, ACLN03, CWC00, CCP98, FK98, HM97, KH97, LOKM99, MM96b, Miš98, QCC02, Sha06, SW00, YTCS95, ZL04]. **wormhole-based** [ACLN03]. **wormhole-routed** [CWC00, FK98, HM97, MM96b, Miš98]. **wormhole-switched** [Sha06]. **Worst** [Liu98]. **Worst-case** [Liu98]. **wrap** [Hen93]. **wraparound** [BMT92, VB92]. **wrapped** [Tou02]. **Writing** [FAF16]. **WSRF** [BK07]. **WSRF-compliant** [BK07]. **WZ** [HE88, Rao97]. **WZ-factorisation** [HE88].

X [Cal85, DH91, FSY88, Gur88, Hoc85b, HKN89, KN88, Meu87, Nag88, OL86, SW91, Sea86, Tem89]. **X-MP** [Cal85, DH91, FSY88, Gur88, Hoc85b, HKN89, KN88, Meu87, Nag88, OL86, SW91, Sea86, Tem89]. **X-MP/48** [Meu87]. **X-MP/48** [Nag88]. **X/MP** [HL88]. **X10** [HXCZ14]. **X10-FT** [HXCZ14]. **XcalableMP** [TBM+16b]. **Xeon** [TLS16]. **XP** [BEK95b]. **XP/S** [BEK95b].

Y-MP [Oed92, DH91, MSW91, Nag90, Pin91]. **Yada** [GGNY11]. **years** [Zen99].

zero [FB91, Ver99, XC02]. **zero-finding** [FB91]. **zeros** [Fre89]. **zerotree** [Kut02]. **Zimmermann** [NSS15]. **Zipcode** [SSD+94].

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