

A Bibliography of Publications about *PVM (Parallel Virtual Machine)* and *MPI (Message Passing Interface)*

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254

E-mail: beebe@math.utah.edu, beebe@acm.org, beebe@computer.org (Internet)
WWW URL: <https://www.math.utah.edu/~beebe/>

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Title word cross-reference

+ [BDV03, Cha02, HDB+13, Lee12]. 0
[ICC02]. 1 [ICC02, LRQ01, VDL+15].
\$19.95 [Ano95b]. 2
[Bha98, BAS13, CGU12, ES11, KRKS11,
KO14, WMRR17, WRMR19]. **\$24.95**
[Ano95c]. **\$27.50** [Ano96a]. 3
[And98, BCL00, BAS13, CP15, DYN+06,
EFR+05, GCN+13, HF14a, HF14b, JR10,
KO14, KD13, KHS01, KLR16, MSZG17,
NSM12, SSS99, SC19, SH14, TPD15, WR01,
YSL+12]. **\$35** [Ano00a, Ano00b]. **\$35.00**
[Ano99a, Ano99c, Ano99b, Ano99d]. 3D
[KA13]. **\$60** [Ano00a, Ano00b]. 3 [PBC+01].
A [ARYT17]. α [JMdVG+17]. $Ax = b$
[BG95]. *D* [UZC+12]. H^2/H^∞ [GWC95]. *hp*
[BCM+16]. *k* [She95, TK16]. \leftrightarrow [GRW+19].
 M^3 [JSH+05]. **PVM**⁺ [Wil94]. *N*

[IHM05, Per99, Rol08b, SP99, SRK+12]. P_N
[OGM+19]. P_{N-2} [OGM+19]. $SU(3)$
[BW12]. *t* [MPZ21]. τ
[RGDM15, RGDML16]. *XY* [KO14].

* [MMAH20].

-based [Rót19]. **-body**
[IHM05, Per99, SP99, SRK+12]. **-D**
[DYN+06, SSS99, SH14, Bha98, ES11,
KHS01, NSM12]. **-Dimensional** [LRQ01].
-Lop [RGDM15, RGDML16]. **-Means**
[TK16]. **-Queens** [Rol08b]. **-set** [She95].
-SNE [MPZ21]. **-stable** [JMdVG+17].

. [Wil94].

/Fortran [TBG+02]. **/many** [KSG13].
/MPI [BKK20]. **/OpenMP** [VDL+15].

- '00 [RV00].
- 1** [HMKV94, SOHL⁺98]. **1/Pascal** [GDS⁺20]. **10** [LLVM21a]. **10-Gigabit** [HcF05]. **100** [Str94]. **1007** [AEW⁺20]. **100k** [SC19]. **1012** [CWL⁺20]. **1016** [HFB21]. **10th** [DLO03, IEE96e]. '11 [ACM11, QM21]. **11th** [IEE97b, KKD04]. '12 [Hol12]. **128-processor** [LL01]. **12th** [DKD05, Bil95]. **13th** [Ano95d, RTWD06, PSB⁺94]. **14th** [CHD07, RV00, CHD09]. **15-18** [SL94a]. **15th** [IEE95i, LKD08]. **16th** [RWD09]. **17th** [KGRD10, MC94]. **18-21** [DKD07]. **18th** [CDND11]. **1990** [ACM90]. **1991** [DE91, EJL92, IEE91]. **1992** [KG93, R⁺92, VW92]. **1993** [Ano94c, GGK⁺93, IEE93a, IEE93e, JPTE94, MMH93]. **1994** [Ano94a, Ano94e, DSZ94, DT94, GN95, GT94, HK95, IEE94h, PSB⁺94, SPE95, SPH95, VV95]. **1995** [ACM95a, ACM96a, AGH⁺95, BH95, Gat95, Ham95a, IEE95b, IEE95a, IEE95d, IEE95h, IEE95i, JB96, NM95, Nar95, Ten95, UCW95, ZL96]. **1996** [ACM96b, Abr96, Boi97, ERS96, IEE96f, IEE96e, IEE96i, Ree96]. **1998** [ACM98b]. **1999** [ACM99]. **19th** [TBD12, IEE05]. **1st** [Abr96, BR95a, CGB⁺10, Kum94, Van95, Fer92].
- 2** [AKL99, BCAD06, BHS⁺02, BMPZ94a, CwCW⁺11, CD96, DPSD08, FST98a, FST98b, GFD03, GGHL⁺96, GT01, GHLL⁺98, GLT99, GLT00b, GLT00a, HGMW12, Jon96, LC97b, LSK04, MS02a, MK04, PS00a, SS99, SSL97, TRH00, VAT95, bT01a]. **2-D** [BMPZ94a]. **2.0** [Bae20, BO01, LPD⁺11, LW97, Mat00b, NSM12, RS22, WYH⁺21]. **2.2** [HRR⁺11]. **2.X** [KS96]. **2000** [ACM00, CLBS17, LL01, LSK04, NU05, RV00, ZSnH01]. **2001** [ACM01, Old02]. **2003** [ACM03, AS14, Don06, OL05]. **2004** [ACM04]. **2005** [ACM05, DKD07]. **2006** [ACM06a, MTW07]. **2007** [SM07]. **2008** [SMCH15]. **2010** [CGB⁺10]. **2011** [LCK11]. **2012** [Hol12, TB14]. **2015** [IS16]. **2017** [GT19]. **2019** [TH20]. **202X** [Taf21]. **21st** [IEE95a]. **25nm** [Ano03]. **26th** [Ano93a, SL94a]. **27th** [Ano94h]. **28th** [ZL96]. **2D** [TPV20, ZZZ⁺15]. **2D-DWT** [ZZZ⁺15]. **2nd** [FK95, IEE93c, Nag05, YM97].
- 3** [Bri95, Che10, FCS⁺19, GBH14, GBH18, GPL⁺96, GLT12, Gro12, HDT⁺15, QM21]. **3-D** [Bri95]. **3.0** [Ano97, Bra97, BMR02, BRM03, DBB⁺16, KaM10, OP10]. **3.06** [Ano03]. **3.1** [WCC12]. **3.4** [Gei97, GKPS97]. **3.X** [KS96]. **3000** [HWM02]. **33rd** [ACM95a]. **37th** [ACM06a]. **3D** [GAP97, Gra97, KB21, LO96]. **3D-Fall** [Gra97]. **3rd** [ACM06b, CZG⁺08, Ano95a, IEE96a].
- 4** [Ano03, HRZ97, KSHS01, NU05, SD13, SBT04]. **4.0** [BPJ22, DSGS17, DWS⁺21, JCP15, dOSMM⁺16]. **4.5** [CBYG18, DFP⁺19, TMT⁺20]. **43** [UZC⁺12]. **45-degree** [CT13]. **48th** [IEE94e]. **4th** [BDW97, EdS08, FF95, USE00].
- 5** [TRH00]. **512** [RBB97c]. **5th** [AD98, Cha05, IEE94a, MdSC09].
- 600** [LSK04]. **6000** [AL93, NMW93]. **64** [dCZG06]. **64-bit** [Wil93]. **6th** [ACDR94, DLM99, GT94, PW95, SHM⁺10, Sin93].
- 7th** [ACM95b, CGKM11, DKP00, GN95, PBG⁺95].
- 857** [SMSW06]. **897** [HWS09]. **8th** [CMMR12, CD01].
- 90** [Ben95, SM03]. **9076** [Bri95]. '91 [BG91, EJL92, IEE91]. '92

[Sie92a, Sie92b, VW92]. **'93** [Ano93g, GGK⁺⁹³, GHH⁺⁹³, IEE93a, IEE93e]. **93SC038** [FS93]. **93SC041** [Gle93]. **'94** [BS94, DW94, GT94, IEE94b, IEE94h, PSB⁺⁹⁴, SPE95, WPH94, dGJM94]. **947** [LTDD14]. **'95** [ACM95b, AH95, BH95, CLM⁺⁹⁵, CJNW95, DMW96, FF95, HAM95b, IEE95l, Lev95, NM95, Van95, Ano98, FD97, KaM10]. **95/NT** [FD97]. **'96** [ACM96b, ACM96c, BDLS96, BFMR96, CH96, IEE96g, IEE96e, IEE96d, LHHM96, Li96, Sil96, Was96, YH96]. **'97** [ACM97a]. **978** [Che10, SD13]. **978-0-12-415933-4** [SD13]. **978-0-13-138768-3** [Che10]. **981** [Riz17]. **997** [Spe19]. **9th** [IEE95f, Kra02, YH96].

Aachen [Ano93a, GHH⁺⁹³]. **Abortable** [CAWL17]. **Abortable-locking** [CAWL17]. **Abstract** [MKW11, Wel94, BG94b, HTA08]. **Abstraction** [DSU20, SW12, YWTC15]. **Abstractions** [RHM⁺¹⁷]. **Abstracts** [IS16]. **ACC** [APJ⁺¹⁶]. **accelerate** [SdM10, TBB12, VGP⁺¹⁹]. **Accelerated** [AB13, EADT19, KF16, KA13, LHZ⁺²⁰, NRdA⁺²⁰, SCSL12, VZT⁺¹⁹, BBB⁺²², BMS19, CGK⁺¹⁶, CP15, DCD⁺¹⁴, HTJ⁺¹⁶, JCP⁺²⁰, KM10, PGdCJ⁺¹⁸, PTMF18, Sai10, iSYS12, SKM15, ZWL⁺¹⁷, ARYT17]. **Accelerating** [BBC⁺¹⁹, Dab19, GM18, HF14a, HF14b, HKOO11, JK10, JLS⁺¹⁴, JNL⁺¹⁵, LSSZ15, LSVMW08, LSMW11, LAFA15, PSV19, RJ21, SCJH19, TMP16, TS12b, UZC⁺¹², YEG⁺¹³, vdLJR11, HWX⁺¹³]. **Acceleration** [CGBS⁺¹⁵, GDEBC20, RVKP19, STH22, TK16, WTS19, CBYG18, CLBS17, CBS18, HE13, JPL22, MGS⁺¹⁵, MPS20, OGM⁺¹⁹, PRS16, RVKP18, SWS⁺¹²]. **Accelerator** [APJ⁺¹⁶, CLA⁺¹⁹, SSAS12, SXXM⁺¹⁸, YCA18, KLV15, MKP22, WHMO19]. **Accelerator-Aware** [APJ⁺¹⁶].

Accelerator-bound [CLA⁺¹⁹].

Accelerators

[AKL16, AC17, NTR16, SHM⁺¹⁰, TCM18, TL19, KHBS19, MSZG17, UGT09, vdP17]. **Access** [Bri10, HDT⁺¹⁵, IFA⁺¹⁶, JJPL17, LB98, SGH12, WTR03, CLA⁺¹⁹, CG99b, GBH14, GBH18, HGMW12, LOHA01, MN91, SFL⁺⁹⁴]. **Accesses** [CVPS19, TGL02]. **accessible** [BHW⁺¹²]. **Accident** [Smi93a, SBR95]. **According** [LGM00]. **ACCT** [FVD00]. **Accumulated** [KS15b]. **Accumulative** [IH04]. **accuracy** [SSH⁺¹⁹]. **accuracy-aware** [SSH⁺¹⁹]. **Accurate** [HD00b, MLA⁺¹⁴, RSPM98, HD00a, LZC⁺²⁰]. **Accurately** [BGdS09]. **achievable** [HMS⁺¹⁹]. **Achieving** [CBPP02, Gro01a, HLK⁺²⁰, KKLL11, RH01]. **ACM** [ACM90, ACM95a, ACM95b, ACM97b, ACM98b, ACM04, ACM05, IEE02]. **ACM/IEEE** [ACM97b, ACM98b, ACM05]. **ACO** [Tsu12]. **acoustic** [ZWC21]. **ACPC** [Bos96, Vol93]. **Across** [NE98, AL96, CZ95b, KW20]. **ACSCI** [Van95]. **action** [Hol95]. **Active** [CSAGR98, Pla02, SKH96]. **Activities** [MSS97, CMV⁺⁹⁴]. **activity** [Vet02]. **Ad** [IBC⁺¹⁰, ITT02]. **Ad-Hoc** [IBC⁺¹⁰]. **Ada** [Tou96, KP96, PRQ21, Taf21, Tou96]. **Adam** [Ano95b, NMC95]. **Adaptable** [SPH⁺¹⁸, BCM⁺¹⁶]. **Adaptation** [WST95, RS21]. **Adapted** [Uhl95a]. **Adapting** [VFD02]. **Adaptive** [Ano94b, BCMR00, BKdSH01, Bir94, CKO⁺⁹⁴, FLS20, FSC⁺¹¹, HWX⁺¹³, KK98, KT02, LFL11, LYGG20, MKC⁺¹², MBES94, MRB17, MAGR01, OKW95, Ran05, RA09, SHM⁺¹², SGZ00, SS09, STY99, Sta95a, TMW17, ZSG12, ADK22, BDP⁺¹⁰, CLSP07, DLR94, EZBA16, EASS95, IDS16, KTXP21, LCL⁺¹², SWCB20, SLGZ99, TCBV10, Was95a, WK20, Wil94, FSC⁺¹¹]. **Adaptive-CoMPI** [FSC⁺¹¹]. **Adaptive-Length** [FLS20]. **Adas**

[HHC⁺18]. **Adding**
 [CB00, GRV01, PSM⁺14]. **Address**
 [SS01, DO96]. **addresses** [CGL⁺93].
ADDT [SR96]. **ADI** [Sch01]. **adjacent**
 [Kan12]. **adjoint** [RMNM⁺12]. **Adjusting**
 [GSHL02]. **Adjustment** [DSCL05]. **ADOL**
 [BGK08]. **ADOL-C** [BGK08]. **adoption**
 [CMV⁺94]. **Adsmith** [LKL96]. **Advanced**
 [Ano98, Ano00a, D⁺95, Gei96, Gei97,
 GLT99, GLT00b, GLT00a, GLT12, KG93,
 SSAS12, TG94, Ben95, DMK19]. **Advances**
 [Bha93, BBH⁺08, CHD07, CDND11,
 KGRD10, KKDV03, KKD04, KKD05,
 LKD08, LK10, MTWD06, RWD09, TBD12,
 AD98, BC14, BDW97, CD01, DKD05,
 DLM99, DKP00, DLO03, HPS⁺12, Kra02,
 HPS⁺13, IEE97a]. **Advection**
 [AKK⁺94, CT94a, TC94, CT94b].
Advection-Chemistry [AKK⁺94].
Advisor [GVF⁺18]. **Aerospace** [MAB05].
AES [HMKG19]. **Affine** [DMB16]. **Affinity**
 [ETWam12, AGG⁺95, NAAL01, vdP17].
Affordable [Rol94]. **After** [DF21]. **again**
 [Har94]. **against** [GHD12]. **Age**
 [MdSC09, Ano94f, GJLT11, HK95]. **AGEB**
 [SAS01]. **Agent**
 [Mat01b, MCB05, ZWZ⁺95]. **agent-based**
 [MCB05]. **agents** [KBA02]. **Aggregation**
 [KLH⁺20]. **Aging** [LRBG15].
Aging-Aware [LRBG15]. **AIMS** [Yan94].
Air [AKK⁺94, BZ97, MPD04, MSML10,
 BTC⁺17, SH94, Syd94]. **airspace** [TCP15].
Aix [GA96, Ano01a]. **Aix-les-Bains**
 [GA96]. **AI** [Ano95b, NMC95]. **Alamos**
 [Old02]. **Albuquerque** [IEE91, IEE95d].
Alchemist [GRW⁺19]. **ALDY** [GS96].
ALE [HAA⁺11]. **Algebra**
 [BDT08, CDD⁺13, Coo95b, DGH⁺19, IS16,
 MGMH97, Neu94, van97, BKvH⁺14, Cal94,
 Coo95a, LRLG19, PMZM16, VLCM⁺20,
 dCH93]. **Algebraic** [CGPR98, Lev95].
Algorithm [AEW⁺20, AiIS⁺21, ACMR14,
 BST⁺13, BP99, BT01b, DYN⁺06, FJBB⁺00,
 HA10, HD02b, ITT02, MW98, MPZ21,
 Per21, PKD95, PB12, RDMB99, R6t19,
 SAS01, Sch96a, SSLMW10, SWH15, Sta95b,
 TK16, WHDB05, ZJHS20, ZWLZ21, ART17,
 AAAA16, ARL⁺94, AD95, BBC⁺19, BB95a,
 BAV08, BY12, BCM⁺16, CCU95, CT13,
 CSW99, GM94, GCN⁺13, GGL⁺08, GKK09,
 GP95, HWS09, IM95, JPL22, JR13,
 KDSO12, KY10, KWEF18, Kan12, KBP16,
 KN17, KO14, Kom15, KRC17, LYIP19,
 LYZ13, MM92, MLVS16, MK00, NB96,
 NAJ99, OKW95, OGM⁺19, OMK09,
 PGBF⁺07, PSLT99, Ram07, RJC95,
 RAGJ95, Sch96b, SOA11, SOYHDD19,
 Sur95a, TNIB17, TSCS14, TGKL19, Was95a,
 YULMTS⁺17, ZSK15, ZWL⁺17, dH94,
 van93, AEW⁺20, CWL⁺20, HFB21, HWS09,
 LTDD14, Riz17, Spe19, SMSW06].
Algorithm-based [PKD95].
Algorithm-Dependant [BP99].
Algorithmic [Stp20, HHSM19, RJDH14].
Algorithms
 [ACM95b, ATC94, ADRCT98, ABG20,
 ASA97, CDT05, CCSM97, DK20, DALD18,
 DAK98, DK06, FB94, GAMR00, GK10,
 HO14, HHK94, IEE96d, KTAB⁺19, KK02a,
 LHHM96, Li96, LAD16, LLmH⁺21, MTSS94,
 MGMH97, MBS15, Nar95, Pet97, PBK00,
 Pro21, SG15, SGS⁺21, VRS00, AK99, AL92,
 BHJ96, BMS⁺17, BID95, DDLM95, FR95,
 FP92, GWC95, HL17, HPLT99, HKOO11,
 HS95b, JKN22, Jou94, JRM⁺94, KL95,
 KRG13, LFL11, LNW⁺12, LRLG19,
 MTK16, MJG⁺12, NP12, Ols95, PP16,
 Pan95b, PBK99, PD11, PCS94, RHG⁺96,
 SPE95, Sur95b, TSZC94, WCVR96, YLZ13].
alias [SOA11]. **alias-free** [SOA11]. **aligned**
 [AGIS94]. **Aligners** [SMM⁺16]. **Alignment**
 [dOSMM⁺16, AMHC11]. **All-gather**
 [Pro21]. **all-port** [RJMC93]. **All-to-All**
 [LZH17, LZH18, Trä02b]. **Allgather**
 [KTAB⁺19]. **Allgatherv** [KTAB⁺19].
Allocation
 [AGS97, BS01, DGG⁺12, RFRH96, SPNB14].
alloy [TG94]. **AllReduce** [NWT21]. **ALM**

[PZ12]. **almost** [LFW20]. **alpha** [WLYL20]. **Altera** [RGB⁺18, TK16]. **Alternative** [EM94, SWHP05, Trä12a, EKTB99]. **ALWAN** [HB96a, HB96b, MSB97]. **Amazon** [ZLZ⁺11]. **AMBER** [SL95]. **AMBER4** [VM95]. **American** [Ara95]. **AMIP** [Gat95]. **Among** [CB16]. **AMPI** [ZHK06]. **AMPIC** [CCHW03]. **amplified** [EZBA16]. **AMR** [NLRH07, TK19]. **AMRVAC** [KTXP21, TK19]. **AN2** [HBT95]. **analogue** [WWZ⁺96]. **analyses** [ANS95]. **Analysis** [BHW⁺17, BR02, BGG⁺02, BBC⁺00, BDL98, CGLD01, CLA⁺19, DFP⁺19, EML00, FK01, FJK⁺17, Hol12, JF95, KL94, KNT02, KRG13, LCK11, MK17, MCLD01, NAW⁺96, NMS⁺14, Ost94, PZ12, PGAB⁺05, SPL⁺12, SBR95, SGL⁺20, SN01, TFGM02, WYH⁺21, Whi04, WM01, BB93, BBDH14, BBH⁺15, Che99, DSGS17, EPP⁺17, GR95, GFB⁺14, GSM⁺00, GKS⁺11, GE95, GE96, GT07, JB96, JLG05, LC07, LLG12, LRLG19, LL16, LBH12, MMB⁺94, MMW96, MLA⁺14, MJPB16, Pat93, PHJM11, PSV19, PGAB⁺07, RTN21, SdSCP13, iSYS12, SS94, SDJ17, SPH95, Shi94, Sil96, SWL⁺01, SSG95, TMC09, TW12, TFZZ12, Uhl95a, Uhl95c, VM94, YCL14]. **analytic** [THDS19]. **analytical** [BAE22, BHW⁺12, HK09, JS13, KN17]. **analytics** [MMAH20]. **Analyzer** [JJPL17, KKM15]. **Analyzers** [Ano01a]. **Analyzing** [BRU05, DF17, FM09, HG12, HcF05, PFG97, RPS19, MH21]. **anasslich** [Ano94c]. **Anatomy** [KWEF18]. **Andrew** [Ano99c, Ano99d]. **animal** [LM99]. **anisotropic** [LBB⁺16, SSB⁺16, YSVM⁺16]. **'Annai** [CEF⁺95]. **Annapolis** [IEE96c]. **annealing** [WHMO19, FH97]. **Annecy** [VW92]. **Anniversary** [Ano92, Ano93f]. **annotated** [GGH99]. **Annotation** [MGA⁺17]. **announcement** [WRMR19]. **Announcements** [Ano98]. **Annual** [ACM95b, Ano93b, Ano94h, IEE95b, USE00, Van95, Y⁺93, ACM95a, Eng00, IEE94e, IEE95]. **Ant** [ITT02]. **ante** [Ano03]. **antenna** [DSOF11]. **Anthony** [Ano95c, Ano00b]. **Antonio** [Ano95d, IEE95g, IEE97c]. **Any** [Gro02a, Mar07]. **AP** [PBC⁺01, SMTW96]. **AP/Linux** [SMTW96]. **AP1000** [SH96, IM94, SWJ95]. **AP3000** [TD99]. **Apache** [GRW⁺19]. **API** [DM98, KQT⁺21, LPD⁺11]. **APIs** [WCS⁺13]. **APOLLO** [Sta95b]. **APOLLO-II** [Sta95b]. **Appendix** [Ano01a]. **Appendixes** [Ano01a]. **APPL** [AB93b, AB93a]. **Application** [AKE00, BSN95, BGdS09, BS07, BFM97, BBH⁺15, Cha02, CRGM14, DFMD94, FDG97a, FDG97b, FSC⁺11, GB98, HT08, IADB19, JFY00, JCH⁺08, KNT02, LD01, LMRG14, Mal01, MTSS94, MBB⁺12, NSLV16, NS16, PSSH01, Riz17, SBF⁺04, ST02a, SCL97, UTY02, WYZ⁺19, YNJS21, ZZ04, ABC⁺00, ADMV05, ADR⁺05, BBB⁺22, BvdB94, BFL99, BL97, BBC⁺99, BMPS03, CBYG18, CRM14, CRGM16, DS22, EPML99, FMFM15, GVF⁺18, GWVP⁺14, HTJ⁺16, HZ96, KME09, LSG12, LFS⁺19, LCMG17, LBB⁺19, MMW96, MM03, MLA⁺14, MvWL⁺10, NMW93, RBAI17, Rol08b, SM12, SCJH19, SSS99, SFSV13, SL00, TCP15, Wor96, ZZZ⁺15, CG99a, PGPCK21]. **application-centric** [SFSV13]. **Application-Level** [CRGM14, LMRG14, SBF⁺04, SCL97, BMPS03, CRM14, CRGM16, LCMG17, LBB⁺19]. **Applications** [APJ⁺16, AGS97, Ano89, Ano96c, AZG17, BCLN97, Ben18, BHV12, BBH⁺06, BRU05, BFMT96b, BFBW01, CGS15, CBL10, CGLD01, CBB⁺20, CBB⁺21, Cha05, CTBT21, CJNW95, CRGM14, Cot98, CTK00, Cot04, Cza02, Cza03, DW02, DLM⁺17, DERC01, DHK97, DGF97, DDN⁺22, DGMJ93, EV01, EML00, FLD98, FD00, FGRD01, Fer92, FK95, Fin00, FC05, FM09, GKP97, GK10, HMK09,

HDW21, Hus98, IEE951, ITT02, Jes93b, JJPL17, KB98, KBS04, KGK⁺03, KSB⁺20, KKP01, KK02b, Kuh98, Laf01, LAdS⁺15, LWSB19, LRG14, kLCCW07, LBB⁺21, LdSB19, LMRG14, dLR04, MSOGR01, MS02a, Mar02, Mat01b, MAB05, MC98, MG15, MANR09, NFK98, PSM⁺14, Rei01, RPM⁺08, RBB15, RRBL01, SPL⁺12, SdR⁺21, SG12, SPH⁺18, SC04, SPB⁺17, SSB⁺17, TTSY00, TFGM02, VdS00, VY02, Vos03, Wal96a, WC09, WZM17, WJA⁺19].

Applications [Wis96a, WSN99, WBH97, WM01, dGJM94, AC07, ACH⁺11, ACC⁺21, ACJ12, Ano93a, Ano94f, Ano03, ABB20, Ara95, Arn95, ASB18, AGMJ06, BAE22, BKH⁺13, BR04, BDV03, BAG17, BFM96, BFMT96a, CGK⁺16, CGBS⁺15, CDMS15, CLE⁺20, CLSP07, CBM⁺08, CZP21, CIJ⁺10, CFPS95, CCHW03, CCM⁺06, DZ98a, DSZ94, DPFT19, D⁺95, DCH02, EKTB99, EGH99, EDSV09, FE17a, FE17b, FNSW99, FCS⁺12, Fin94, Fin95, FF95, GBR15, GS02, GHD12, GJMM18, GS96, GSM⁺00, GHH⁺93, HD00a, HZ99, HAJK01, JC17, JPTE94, KC19, KSC⁺19, LRG⁺16, LBG⁺20, LZZ⁺20, LMG17, LCMG17, LBB⁺19, LGM⁺20, LZHY19, LS08, MA09, MBKM12, MLC04, MSMC15, MS96b, NSBR07, NCB⁺12, NFG⁺10, PK05, PTL⁺16, Rab99, RS95, RGGP⁺18, RGP22, SJLM14, SPE95, SBG⁺12, SDJ17, SGH12, SG05, SPBR20, SIC⁺19, SLG95, SB01].

applications [SD16, SRS⁺19, TMC09, TBB12, TPLY18, Vet02, Wis96b, Wol92, WT13, WMP14, XLW⁺09, XJR21, YZ14, ZLZ⁺11, BP93, TDBEE11, ATC94].

Applied [FGRD01, HC06, KaM10, GFIS⁺18, HMKV94, MM92, MPS20, NF94, PGK⁺10, DMW96, Was96]. **Applying** [GSM⁺00]. **Approach** [AZG17, BHM94, BJ93, BHNW01, CRGM14, CD98, DLM⁺17, FFP03, GCBL12, HMKG19, HD00b, KBA02, KK02a, KmWH10, LGM00, Mar06, PPR01, Pet00a, Pet00b, RGD13, Ros13, SdR⁺21, TJPF12, BK11, Bis04, BTC⁺17, CLYC16, CDP99, CRGM16, DiN96, EO15, FMS15, HDB⁺13, JS13, KPL⁺12, KSSS07, KJEM12, LSG12, MGG05, MS99b, NEM17, OHG19, OW92, QM21, SVC⁺11, SEC15, TWFO09, VGP⁺19, WO09, YW21].

Approaches [JCH⁺08, Ney00, SWHP05, SM02, AKB⁺19, BFLL99, CB11, PS00b].

ApproxHPVM [SSH⁺19]. **Approximate** [FLS20, Huc96, MYL21, MM02, GGC⁺07, GG09, MM03]. **approximately** [LFW20].

Approximation [SLJ⁺14, SJLM14]. **April** [ANS95, AH95, Ano93h, Ano94h, CH96, DR94, GH94, Ham95a, IEE92, IEE93b, IEE95f, IEE96e, IEE97b, IEE05, LCHS96, MC94, Nar95, Sie94, SW91, Ten95]. **APS** [GT94]. **AQsort** [LTS16]. **AQUA** **Agpusph** [CP15]. **arbitrary** [HP11]. **ARCH** [Ada97, Ada98]. **architectural** [GGC⁺07].

Architecture [BG94a, CGC⁺11, CLOL18, EBKG01, EM02, FDG19, FD97, Fuj08, HRZ97, IEE97c, ITKT00, LSZL02, PT01, PS01b, SMM⁺16, SC04, SYL19, WKP11, YTH⁺12, ZGNZ22, BCCR99, BG94c, CSPM⁺96, CS96, CBIGL19, DiN96, FHC⁺95, HIIG16, HK09, MMDA19, MRH⁺96, PWD⁺12, SWYC94, SBK21, SSGF00, Squ03, SP11, WCC⁺07, YÁJG⁺15, YEG⁺13, ZWZ⁺95].

architecture-independent [DiN96].

Architectures [ACM95b, BDT08, BBD⁺20, BFG⁺10, CHPP01, HD02a, HD02b, HHK94, IEE96d, KDT⁺12, LHHM96, Li96, LZH17, LAD16, MS02b, MTSS94, MPZ21, MCS00, NO02b, Nar95, PZ12, SXXM⁺18, TSCaM12, WYZ⁺19, YKW⁺18, ZTD19, BDP⁺10, BN00, BKML95, CLM⁺95, CDZ⁺98, DM93, DZZY94, GDC15, GP95, HHS18, HCC⁺20, Hos12, LCL⁺12, LDJK13, MLC04, NO02a, PY95, RFH⁺95, RMNM⁺12, SPL99, TDG13, TSZC94, Uhl95a, VDL⁺15, WST95, dlAMC11]. **Area** [CDHL95, Fis01, BHW⁺12, FGT96, FGG⁺98, KHB⁺99, Qu95].

area-based [Qu95]. **arising** [ARvW03].

Aristotle [FSV14]. **Arithmetic** [Ano98, JPT14, Sur95a]. **Arithmetics** [HD00b, HD00a]. **Arizona** [IEE95b, JB96]. **ARM** [AFGR18, MGL⁺17]. **ARM-based** [AFGR18]. **Array** [DDPR97, HD02b, LTS16, MYK19, WG17, CCM12, DK13, HSE⁺17, JKN⁺13, Ott93, TOC18, Wal02]. **arrays** [HCL05, RBS94]. **Arria** [LLVM21b, LLVM21a]. **Arrival** [FPY08, Pro21, MLVS16]. **art** [LF93b]. **artifact** [ZZZ⁺15]. **Artificial** [BPG94]. **ARTUR** [FJBB⁺00]. **ARVO** [BHW⁺12]. **ARVO-CL** [BHW⁺12]. **ary** [Pan95a]. **Ascona** [DR94]. **Ashes** [Thr99]. **ASL** [FGRT00]. **ASME** [LF⁺93a]. **aspects** [CG99a]. **Assembly** [PGF18, TPD15]. **Assessing** [LMG17, dLR04, MABG96, TSCaM12, CMV⁺94]. **Assessment** [Mat01b, TAH⁺01, Boi97, LH98, LSB⁺20]. **Assignment** [Cza13, CK99]. **assist** [Kik93]. **Assisted** [GTH96, ADK22, GM13, MBBD13]. **Astro** [CC17]. **Astronomical** [JB96, SPH95]. **asymmetric** [GCN⁺10]. **asynchronization** [FSG19a, FSG19b]. **Asynchronous** [Ada97, Cav93, CZ95a, CDP99, HE02, SPH⁺18, BBDH14, BCK⁺09, CZ95b, DDYM99, PHM⁺22, RSC⁺19, Sch99]. **Athapascan** [CP98]. **Atlanta** [AGH⁺95, Ara95, USE00, UCW95]. **ATM** [GFV99, HBT95, Jon96, LHD⁺94, LHD⁺95]. **Atmosphere** [BS93]. **Atmospheric** [HK93, KHBS19, RSBT95]. **atom** [MGG05, SPBR20]. **atom-based** [SPBR20]. **Atomic** [LRT07, LAFA15, SYF96, DS13, Hin11, SY95, XF95]. **atomics** [BDW16]. **atoms** [JLS⁺14]. **Attacks** [PV97, GHD12]. **attempt** [GM18]. **Attraction** [GB96]. **attribution** [GADM20]. **audio** [BJ13]. **Augmented** [GFJT19]. **Augmenting** [TL19]. **August** [ATC94, Agr95a, BFMR96, DMW96, GT94, HAM95b, IEE94g, IEE95k, IEE95l, IEE96f, LF⁺93a, Ost94, PSB⁺94, PBG⁺95, Ree96, VV95, Was96]. **Aurora** [TSEE21, LdSB19]. **Austin** [IEE94b]. **Australasian** [Bil95]. **Australia** [GN95, Nar95, ACDR94, Bil95]. **Australian** [ACDR94, GN95]. **Austria** [Bos96, BH95, Kra02, TBD12, Vol93]. **Austrian** [Fer92, FK95]. **Austrian-Hungarian** [Fer92, FK95]. **Auto** [CC17, DWM12, DBLG11, PSB⁺19, RDLQ12, WG17, FE17a, FE17b, SH14, TWFO09, VLCM⁺20]. **Auto-Generation** [CC17, DWM12]. **auto-parallelization** [TWFO09]. **Auto-scoping** [RDLQ12]. **Auto-tuned** [PSB⁺19, VLCM⁺20]. **Auto-Tuning** [WG17, DBLG11, FE17a, FE17b, SH14]. **AutoLink** [GMPD98]. **AutoMap** [GMPD98]. **Automata** [Car07, BBK⁺94, SC19]. **Automated** [BMPS03, MVY95, RVKP18, LLG12, LCH⁺22, RFRH96, Yan94]. **Automatic** [AAB⁺16, BVML12, BBH⁺08, BGK08, BHK⁺06, CBL10, Cza03, DW02, EML98, EML00, FAFD15, FFM11, GKCF13, HZ99, HH22, JFY00, JJY⁺03, JJPL17, KOI01, KHS12, MB18, MGA⁺17, NCB⁺17, OWSA95, Rab99, RGD13, SZ11, SR96, SSB⁺17, TJPF12, WC15, WZW21, WM01, APBcF16, AMuHK15, ABB20, AGG⁺95, BR04, BHRS08, CHKK15, CdGM96, CPR⁺95, HZ96, LME09, LF93b, PHM⁺22, VLCM⁺20, WMP14, ZHK06, FVD00]. **Automatically** [VZT⁺19, WBSC17]. **Automating** [RHM⁺17]. **automation** [Ano93a]. **automotive** [Ano93a, Ano93a]. **autoregressive** [CBS18]. **Autotuning** [BAG17, PSH⁺20]. **Auxiliary** [STMK97]. **Available** [Bak98, BF98]. **Averaging** [RJ21]. **Avoidance** [CRGM14]. **avoiding** [GKD⁺18]. **AVTP** [FHC⁺95]. **award** [Str94]. **Awards** [Str94]. **Aware** [APJ⁺16, AAB⁺16, BHP⁺03, Ben18, DS22, EGR15, GFIS⁺18, HVA⁺16, LRBG15, MJB15, Pan14, ZLP17, BLVB18, CLA⁺19, CGH⁺14, FA18, GMA20, GHZ12, HJYC10,

HG12, JKN⁺¹³, KBG16, MBBD13, MSMC15, MMAH20, SHM⁺¹², SSH⁺¹⁹, SPK⁺¹², WRSY16]. **awareness** [HK09, VGS14]. **AXAF** [NH95]. **AXC** [CBIGL19]. **azTotMD** [RS22].

B [Ano01a]. **Back** [BIC⁺¹⁰]. **Backend** [IOK00]. **backtracking** [PGdCJ⁺¹⁸]. **Backup** [Gua16]. **Bains** [GA96]. **Balance** [HE02]. **balanced** [EZBA16]. **Balancing** [BKdSH01, DBA97, DI02, DK06, FSG19a, GCBL12, KSB⁺²⁰, MM02, PT01, Pus95, ST97, Wal01a, Bir94, BS05, DZ96, DLR94, DvdLVS94, DR95, FMBM96, FH97, Hum95, JH97, MM03, NP94, SGS95, SY95]. **Balatonfured** [DKP00]. **balls** [BBH⁺¹⁵]. **Baltimore** [IEE02, SPH95]. **Bamboo** [NCB⁺¹²]. **banded** [DG95]. **Bandwidth** [NE01, RK01]. **Bangalore** [Kum94, PBPT95]. **Barbara** [ACM95b, AH95, IEE95f]. **Barcelona** [DLM99]. **Barnes** [MPZ21]. **BARRACUDA** [EPP⁺¹⁷]. **Barrier** [CLdJ⁺¹⁵, SDB⁺¹⁶, YLZ13]. **Based** [Ada97, AHD12, AAB⁺¹⁷, ABG20, AP96, BHW⁺¹⁷, BDG^{+91b}, BBD⁺²⁰, BoFBW00, CAM12, CGC⁺⁰², CLOL18, CLP⁺⁹⁹, CDPM03, DW02, DLLZ19, DLLZ20, DBK⁺⁰⁹, FSC⁺¹¹, FC05, For95, FSLs98, GSxx, GFJT19, HF14a, HF14b, HM01, Hus00, KLR16, LSZL02, LZH18, kL11, LWP04, LAFA15, MDM17, MGL⁺¹⁷, MMH98, MZLS20, NSLV16, NE01, NHT02, NPS12, PPT96a, PCY14, PFG97, PSSS01, RDMB99, SPL⁺¹², SM03, Smi93a, ST02b, ST97, SJK^{+17a}, SJK^{+17b}, THS⁺¹⁵, TD98, WTTH17, WC09, WZHZ16, WYH⁺²¹, WJG⁺²¹, Wis96a, WM01, WJB14, YG96, YTH⁺¹², ZJHS20, ZWJK05, AKB⁺¹⁹, Ada98, AASB08, AAAA16, AVA⁺¹⁶, Ano03, AFG21, ABB20, AFGR18, BLPP13, BDG^{+92a}, BLVB18, BCH⁺⁰³, Bri95, BFMT96a, CwCW⁺¹¹, CC10, CPM⁺¹⁸, CKmWH16, CRM14, CXB⁺¹², DXB96,

FE17a, FE17b, FFB99, FJZ⁺¹⁴, FNSW99, FSTG99, FLPG18, FFFC99, FWS⁺¹⁷]. **based** [GS91a, GS92, GKS⁺¹¹, Gra97, Gra09, GFPG12, HDZ⁺²⁰, HZ94, HWX⁺¹³, IM95, ITT99, JCP⁺²⁰, JL18, JKM⁺¹⁷, KLV15, KB21, KPL⁺¹², KSC⁺¹⁹, KPNM16, LV12, LRW01, LKL96, LNW⁺¹², LZC⁺²⁰, LGG16, LMM⁺¹⁵, MYB16, MMO⁺¹⁶, MB21, MKP⁺⁹⁶, MCB05, MT96, MS99a, MS99b, MMAH20, MFPP03, NRdA⁺²⁰, Neu94, NHT06, OLG⁺¹⁶, OP98, PARB14, PES99, PPT96b, PK05, PS19a, PaDS⁺¹⁷, PGK⁺¹⁰, PSHL11, PKD95, PSK⁺¹⁰, PSLT99, Qu95, Rag96, RBP⁺²¹, RJH⁺²⁰, R6t19, STP⁺¹⁹, SJLM14, SSN⁺²¹, SS09, SG05, SSS99, SZ11, SPBR20, SVC⁺¹¹, SXXM⁺¹⁸, SLS96, SKB⁺¹⁴, Sto98, Stp18, Stp20, Str96, SLN⁺¹², SPNB14, TBB12, TSCS14, TGKL19, TY14, TBD96, TWFO09, TMPJ01, VLCM⁺²⁰, WHMO19, WO09, WTF014, WTS19, WGG⁺¹⁹, Wis96b, WCS99, YC98, YL09, YWC11, YSL⁺¹², ZAFAM16, ZLP17, ZHK06, ZZG⁺¹⁴]. **based** [ZWZ⁺⁹⁵, ZWC21, vHKS94, BFMT96b, FH97, KSJ95, WAS95b, FO94, GK97, KSJ96, PY95, Sut96, TSZC94, ZPLS96]. **Basel** [Ano94i]. **Basic** [PGC02, BKvH⁺¹⁴, BR94]. **basierte** [Gra97]. **Basis** [OMK09, RB01]. **batch** [VLMPs⁺¹⁸]. **batched** [GNP19]. **Batching** [LML⁺¹⁹]. **Bath** [BP93]. **Bayesian** [CBS18, Fer10]. **BC** [IEE95i]. **BCS** [FFP03]. **BCS-MPI** [FFP03]. **be** [CB00]. **Beach** [IEE93b]. **beam** [OIH10, RCFS96]. **bearings** [NF94]. **Beguelin** [Ano95b, NMC95]. **Behavior** [BFM97, DeP03, Ros13, FGL⁺²⁰, LLG12, PPF89, YMYI11]. **behaviour** [EPML99]. **Beijing** [CZG⁺⁰⁸, LHHM96, Li96]. **Beitrag** [Ano94c]. **Belgium** [LCHS96]. **belts** [NS20]. **Benard** [TVV96]. **Benchmark** [BWV⁺¹², DS16, HC10, Luo99, Mül02, MBB⁺¹², RSPM98, RTH00, SGJ⁺⁰³, Trä12b, UTY02, Ano03, BKML95, DWM12, DH95, DHS96, MKP22, Mül03, MvWL⁺¹⁰,

PHJM11, PSH⁺20, Reu01, RST02, Wor96, YSWY14]. **Benchmarking** [GC05, HCA16, LCY96, MMU99, MCS00, WRA02, RST02]. **Benchmarks** [CRE99, KS96, KAC02, MM07, NA01, RK01, TSB02, TSB03, WAS95b, ZSnH01, CDD⁺96, MKP22, MMH99, Ste94, WT11, CE00, WT12]. **Beneficial** [CB00]. **benefit** [SBG⁺12]. **Benefits** [LB16, PSM⁺14, SIRP17]. **Benutzerprofile** [Wil94]. **Benutzertreffens** [Ano94c]. **Beowulf** [CMM03, Ste00, UP01]. **Beowulf-Class** [Ste00]. **Berlin** [PW95]. **Bessel** [KT10]. **best** [GT19]. **Betriebssystemkern** [Sei99]. **Better** [Str94, RS21]. **Between** [AAB⁺17, BS07, ASS⁺17, AKE00, BID95, GFV99, JAT97, LDCZ97, MSP93, WK20]. **Beverly** [IEE93f]. **Beyond** [Gei93a, GKPS97, Gei98, Gro12, LBB⁺21, Olu14, Gei93b, LSG12, Sch93, SC19, SHM⁺10]. **Biconjugate** [GFPG12]. **bidirectional** [HE15]. **Big** [CLOL18, GTS⁺15, LK14, VPS17, ASS⁺17, Str94]. **Biharmonic** [RB01]. **Bill** [Ano99c, Ano99d]. **billion** [KTJT03]. **Billions** [MRB17]. **binary** [CG93, EPP⁺17, SGS95, TCBV10]. **binary-level** [EPP⁺17]. **binary-splitting** [TCBV10]. **Binding** [CLL03, Co095b, MG97, Co095a]. **Bindings** [Ano98, VGRS16]. **Bioinformatics** [BBH12]. **Biological** [CNM11, VBB18, BA06]. **Biology** [SYL19]. **Biomolecular** [BCGL97, PZKK02]. **BIP** [CDP99, Tou00]. **BIP-Myrinet** [Tou00]. **BIP/Myrinet** [CDP99]. **bit** [HLO⁺16, Wil93]. **bit-parallel** [HLO⁺16]. **bitonic** [PSHL11]. **Bitsliced** [HMKG19]. **Black** [FSXZ14, Kha13, van93]. **BLACS** [DSW96, DS96a, Wal95]. **blame** [DSGS17]. **BLAS** [Add01, ARvW03, FMFM15]. **BLASTP** [HWW21, LSMW11]. **Blaze** [PWPD19]. **Blaze-Tasks** [PWPD19]. **Block** [ABG20, DDPR97, MYL21, SMM⁺16, SBB20, SSB21, WO95, ZB97, ADDR95, DR18, GP95, HKMCS94, HC08, LYIP19, WO96]. **Block-Based** [ABG20]. **Block-Cyclic** [DDPR97, WO95, HKMCS94, HC08, WO96]. **block-tridiagonal** [DR18]. **Blocking** [FH98, BCH⁺08, HKT⁺12, Nak03, HTA08, STP⁺19, TGKL19]. **Blood** [Pat93]. **Blue** [KMH⁺14, AAC⁺05, BGH⁺05, EFR⁺05, LM13, MV17, MSW⁺05]. **blurred** [Wil94]. **BMMC** [CC99]. **Boca** [Edd18]. **bodies** [AGIS94, LHLK10]. **Body** [RB01, RTRG⁺07, IHM05, NS16, Per99, SP99, SRK⁺12, ADB94]. **BOF** [Mat00a]. **Boltzmann** [OTK15, CGK⁺16, JCP⁺20, MS95, Pri14, STA20, SJK⁺17a, SJK⁺17b]. **bond** [THDS19]. **bond-order** [THDS19]. **Bonn** [MTWD06]. **Book** [Ano95b, Ano95c, Ano96a, Ano99a, Ano99c, Ano99b, Ano99d, Ano00a, Ano00b, Che10, Edd18, Mar06, Nag05, NMC95, Per97, SD13, Vog13, Vre04, YM97]. **books** [YM97, Nov95]. **Boost** [CVPS19]. **Boosting** [LRG14, SFO95]. **Bose** [KLM⁺19, MBA21]. **Boston** [IEE94e]. **Both** [BGD12, KP96, LSM⁺18]. **Bottleneck** [MWG97]. **bottlenecks** [DSG17, JKHK08]. **Boulevard** [ACM99]. **Bound** [ASA97, SGS⁺21, CLA⁺19, MBKM12, ADMV05]. **boundaries** [KGB⁺09]. **Boundary** [BS21, PTT94, STA20, SBQZ14, SP11, SD99]. **boundary-value** [SP11]. **Bounded** [CPKG17, MdSAS⁺18, PAdS⁺17]. **BowMapCL** [NTR16]. **Box** [JR13, JPP95]. **Box-counting** [JR13]. **brackets** [GSMK17]. **Braga** [IEE96g]. **brain** [VLSPL19]. **Branch** [ASA97, LW20, ADMV05]. **Branches** [SGS⁺21]. **Breaking** [OS97]. **breast** [Str94]. **Brest** [IEE94c]. **Bridge** [VDL⁺15]. **Bridges** [DSS00]. **Bridging** [ACM04, AAB⁺17, ASS⁺17]. **Bringing** [FKKC96]. **Brisbane** [ACDR94, Nar95]. **Bristol** [MC94]. **British** [IEE95a, IEE95e]. **Broadband** [OIS⁺06, CLLASPDP99]. **Broadcast**

[PSM⁺14, YSP⁺05, AMC⁺19, MTK16]. **Broadcasts** [SE02]. **Brownian** [SKM15]. **Bruijn** [PGF18]. **Brussels** [LCHS96]. **Brute** [JRG21]. **Brute-forcing** [JRG21]. **BSGP** [HZG08]. **BSP** [Mar06, Bis04, GRRM99, Mar09, Röh00]. **BSP2OMP** [Mar09]. **BT** [WT11, WT12]. **Budapest** [FK95, KKD04]. **Buffer** [SEF⁺16, Tsu07]. **buffers** [MR96]. **Build** [HRSA97]. **Building** [FD04, Gei01, Gro02a, LBD⁺96, LVP04, WADC99, Arn95, HS95b, MSL12, PWF95, Sur95b, Kos95b]. **Bulk** [Cer99, CLE⁺20, DLRR99, HZG08, SRS⁺19, TNIB17]. **bulk-synchronous** [CLE⁺20, HZG08]. **burden** [AV18]. **Burrows** [NTR16]. **Burst** [SEF⁺16]. **BUS** [ITT99]. **BUSTER** [XWZS96]. **Butterfly** [ST17]. **Butterfly-Patterned** [ST17].

C [Edd18, Gal97, Pri14, SM12, SSL97, TBG⁺02, VDL⁺15, Vre04, ABB20, BKK20, BGK08, BB00, CNC10, CCHW03, DARG13, Don06, FLMR17, FHK01, GTH96, GSI97, Gör01, KK02a, KPO00, KLM⁺19, LYSS⁺16, Mat16, MHSK16, QM21, Qui03, RBC20, Rót19, SSB⁺17, SC95, TNIB17, UZC⁺12, YULMTS⁺17, YSVM⁺16, ZT17]. **C#** [WLR05]. **C-to-CUDA** [UZC⁺12]. **C/C** [SM12, KPO00]. **C/OpenCL** [RBC20]. **C11** [BDW16, QM21]. **C11/C** [QM21]. **C2CU** [TNIB17]. **CA** [ACM95b, Ano89, BBG⁺95]. **Cache** [CVPS19, LWKA15, LZH17, LZH18, MC18, MM07, NIO⁺02, NIO⁺03, SS01, SVC⁺11]. **Cache-Coherent** [SS01]. **cache-friendly** [SVC⁺11]. **Cache-Oblivious** [LZH17, LZH18]. **Caches** [LB16]. **Caching** [kLCCW07, DO96, WMRR17, WRMR19]. **CAE** [KDL⁺95a, KDL⁺95b]. **CAF** [GBR15, Mar05]. **Caffe** [AHHP17]. **calculating** [EZBA16, KD12]. **Calculation** [GDM18, QRMG96, GSMK17, KN17, MM95, NS16, SR11]. **Calculations** [RB01, Sta95b, ART17, AiS⁺21, Hol95, WH96]. **calculus** [PQ07]. **Calif** [IEE93f]. **California** [ACM97b, Gat95, IEE93a, NM95, USE94, AH95, GE95, GE96, Has95, IEE93b, IEE93f, IEE94g, IEE95c, IEE95f, LF⁺93a]. **Call** [DW02, MCP17]. **Call-Graph** [DW02]. **Callback** [SSN⁺21]. **Callback-based** [SSN⁺21]. **Calls** [FHK01, AGLv96]. **CALPHAD** [TKP15]. **Cambridge** [Ano95b, Ano95c, Ano96a, Ano99a, Ano99c, Ano99b, Ano99d, Ano00a, Ano00b]. **CAMeL** [KDL⁺95a, KDL⁺95b]. **CAMeL/PVM** [KDL⁺95a, KDL⁺95b]. **CAMP** [CLM⁺95]. **Can** [Gro02a, SBG⁺12]. **Canada** [BG91, GGK⁺93, IEE95a, IEE95i, Vos03, IEE95e, Lev95]. **Cancellation** [TBS12]. **cancer** [Str94]. **Cancun** [Sie94]. **CAP** [GTH96, MGMH97]. **CAP-Specified** [MGMH97]. **Capabilities** [Gei97, CG99a, IMS16]. **capability** [BBH⁺13b]. **Capable** [KF16, KYL03]. **Capacity** [LYGG20, RCG95]. **Capture** [DW02]. **Capturing** [FM09]. **card** [SR11]. **Cardiac** [ORA12]. **cards** [KY10, KME09]. **Carlo** [ADRCT98, AK99, DAK98, HJBB14, NSLV16, RR00, RP95, SK00, SKM15, WH96, ZZ04]. **Carnegie** [IEE94d]. **Carolina** [ACM95a]. **cars** [Str94]. **Cartesian** [Gro19]. **CASCON** [GGK⁺93]. **Case** [AIM97, BF01, BWW⁺12, BfDA94, BHLS⁺95, CML04, DARG13, DHP97, GL97a, GMdMBD⁺07, HHC⁺18, KCR⁺17, LSB15, PS19b, RRBL01, SCL01, Tha98, AML⁺99, BJ13, BJS99, Bri00, FO94, GADM20, HIIG16, JLG05, MS96b, PGK⁺10, Pri14, SIRP17, TPD15, THMH21, Wal01b, ZSK15, LPD⁺11]. **CASTEP** [STH22]. **casting** [KGB⁺09]. **CATCH** [DW02]. **Causal** [ZJHS20]. **Cavanaugh** [IEE93c]. **CAVE** [BBH⁺15]. **CAVE-CL** [BBH⁺15]. **cavities** [BBH⁺15]. **Cavity** [PKYW95, RM99]. **CBFEM** [OMK09]. **CC** [GB96, KYL03]. **CC-COMA** [GB96]. **ccNUMA** [CHPP01, CBPP02, MCS00, SSGF00]. **CCp** [BB00]. **cCUDA** [SNN⁺20]. **CE2014**

[MBS15]. **CEBAF** [DZDR95]. **Celebrating** [EO15]. **Cell** [DBK⁺09, SYL19, JMS14, VDL⁺15, OOS⁺08, OIS⁺06]. **Cell-Centered** [SYL19]. **Cells** [MRB17]. **Cellular** [Car07, SC19]. **Cenju** [GPL⁺96, KSHS01]. **Cenju-3** [GPL⁺96]. **Cenju-4** [KSHS01]. **Center** [ACM98b, ACM99, ACM00, Hol12, IEE94b]. **Centered** [SYL19, JPOJ12]. **Centers** [EGR15]. **Centre** [IEE95e]. **centric** [SFSV13]. **century** [IEE95a]. **CERN** [VV95]. **Cesena** [CH96]. **Cetraro** [D⁺95, KG93]. **cf4ocl** [FLMR17]. **CFD** [SPE95, AMS94, ADT14, CP97, HDZ⁺20, HAJK01, HT01, JR10, DK02, PBK00, XJR21, YPAE09]. **CFD-DEM** [ADT14]. **CG** [ABF⁺17]. **CGM** [CDT05]. **CGMGRAPH** [CDT05]. **CGMGRAPH/CGMLIB** [CDT05]. **CGMLIB** [CDT05]. **CGPredict** [WZM17]. **Ch** [CNC10]. **Chain** [FK01]. **Challenge** [DGMJ93, MKP22, LB96]. **Challenges** [Agr95a, Gro01a, Gro12, Ree96, Ten95, Wit16, BDG⁺92c, GScFM13, WLK⁺18]. **CHAMELEON** [KSB⁺20]. **Chamfer** [YPZC95]. **Chandra** [Stp02]. **Channel** [GK97, LBD⁺96, SG05]. **CHAOS** [BLW98, JL18]. **Characteristic** [OMK09]. **Characteristics** [WR01, WT12, BN00, GL99, WT11]. **Characterization** [AJC⁺20, KB98, LCY19, LPJ98, MM07, Wor96]. **Characterizing** [BCM11, BGdS09, FLPG18, GScFM13, OdSSP12]. **Charge** [BL95]. **Charm** [ZHK06]. **Charts** [DSS00]. **Chebyshev** [Rót19]. **Check** [MC17, LCC⁺03]. **checkerboard** [BW12]. **Checking** [CGZQ13, Gro00, HMK09, LCC⁺03, MdSAS⁺18, PAdS⁺17, RAS16, SMAC08, YYW⁺12]. **Checkpoint** [AKB⁺19, SSB⁺05, SBF⁺04, CZP21, CRM14, ZWZ05, ZHK06, BDB⁺13]. **checkpoint-based** [CRM14, ZHK06]. **Checkpoint-on-Failure** [BDB⁺13]. **Checkpoint-Recovery** [SBF⁺04]. **Checkpoint/Restart** [SSB⁺05, AKB⁺19, CZP21]. **Checkpointing** [DCH02, LMRG14, SSB⁺05, TSS00b, BMPS03, BCH⁺08, CG96, LCMG17, LBB⁺19, PKD95, SSCC95, Ste96]. **checkpoints** [LFW20]. **chemical** [NMW93]. **ChemIO** [NFK98]. **Chemistry** [AKK⁺94, NFK98, BR95a, DMW96, SSGF00]. **Chemkin** [Ano97, Bra97]. **CHEMPI** [RR01]. **Chicago** [CGKM11]. **China** [CZG⁺08, IEE97a, LHHM96, Li96]. **Chip** [Jes93b, URKG12, WYZ⁺19, TDG13, dCZG06, MYK19]. **Cholesky** [DG95, LC97b]. **Chromosome** [BM97, dOSMM⁺16]. **Chromosome-Wide** [dOSMM⁺16]. **CICADA** [MK94]. **Cilk** [Stp18]. **Circuit** [WPC07, BJ95]. **Circuits** [GJN97]. **Circular** [Tsu07]. **Circulation** [GAM⁺02, Nes10, RSBT95]. **CIS** [AH00]. **citation** [Squ03]. **City** [Hol12]. **civil** [PW95]. **CL** [BHW⁺12, BBH⁺15, LW95]. **CL-PVM** [LW95]. **CL_ARRAY** [ZT17]. **clarified** [WBBD15]. **CLAS** [DZDR95]. **Class** [AFGR18, DFN12, Rót19, Ste00, Dem96, MSL96, RFH⁺95]. **Classes** [DeP03, GG09, Ott93]. **classic** [HL17]. **Classical** [BCGL97]. **Classification** [SNN⁺19, TPLY18]. **clauses** [WC15]. **Clemson** [ACM95a]. **Client** [Ano93f, FLS98, KS97, kLCCW07, Mat01b, HIIG16, Sch93, Sto98, Vis95]. **Client-Agent-Server** [Mat01b]. **Client-Server** [FLS98, Sto98, Vis95]. **Client-Side** [kLCCW07]. **Client/Server** [Ano93f, Sch93]. **climate** [Str94]. **CLIPS** [Ano95a, Ano95e]. **clMAGMA** [CDD⁺13]. **clock** [NB96]. **clocks** [TPLY18]. **CLOMP** [BGdS09]. **clone** [ZWL⁺17]. **Closer** [HCZ16]. **Closure** [CGPR98, KH15, PPR01]. **Cloud** [HC17, LSB⁺18, SIS17, URKG12, ZLZ⁺11, ZLP17, GFIS⁺18, GHZ12, GWVP⁺14, KSC⁺19]. **cloud-based** [KSC⁺19]. **Cluster**

[AUR01, BKGS02, BL95, BM97, CRE99, CMM03, HD02a, ES11, GGGC99, Gei94, Gei00, GSN⁺01, GT01, GC05, HD02b, ITKT00, IDD94, KKH03, KS96, KS01, KHS01, LR01, MFTB95, MM01, NO02b, OF00, PFG97, RB01, R^sT06, RLL01, SCR92, SHHI01, SHTS01, ST02a, TOTH99, TSN21, Trä02b, YCA18, bT01a, AL93, BLP93, BALU95, BTC⁺17, BID95, CCF⁺94, Cou93, ED94, GK97, GMU95, Heb93, KEGM10, KO14, Kom15, LC07, LZZ⁺20, Liu95, MW93, MM03, NO02a, PDY14, RJDH14, SS94, SR95, ST02b, SLS96, SY95, SSN94, Tho94, THM⁺94, Tsu95, UH96, YWO95, ZLZ⁺11, MS04]. **cluster-based** [SLS96]. **Cluster-enabled** [SHHI01]. **clustered** [KHB⁺99]. **Clustering** [BBH12, HA10, RJC95, GGL⁺08, YCL14]. **Clustern** [MS04]. **Clusters** [AH00, AHHP17, AJC⁺20, BDH⁺95, BDH⁺97, BWV⁺12, CDT05, CLOL18, CSC96, DK06, GDM18, GMdMBD⁺07, GSY⁺13, HPP02, HSMW94, HVA⁺16, HC17, Hus00, JNL⁺15, LC97a, LH95, LVP04, LHCW05, MS98, MFPP03, Pan14, PKB01, PT01, PS00a, Pus95, Rei01, dOSMM⁺16, SFG98, SvL99, Ste00, Tou00, UP01, WLNL03, WT12, YWCF15, YKI⁺96, AB95, ALR94, ADB94, ABG⁺96, ADMV05, BWT96, BDV03, Bru95, CRE01, EKTB99, GBF95, GDMME22, HCL05, Hus99, JKHK08, Jon96, JR10, JRM⁺94, KYL03, KYL05, KSL⁺12, KJEM12, LBD⁺96, Lee12, LLC13, LL95, LKYS04, NMW93, NN95, PS07, PRS⁺14, PM95, PR94c, PRS16, PL96, RCFS96, RGDML16, SPBR20, Slo05, SC96a, SBK21, SL95, TFZZ12, WLNL06, WLYC12, YST08, YL09, YHL11, YWC11, ZHS99, dCH93, NWT21]. **CM** [SBG⁺02]. **CMMD** [Har94, Har95]. **CMPI** [GHZ12]. **CMS** [FMS15]. **CNF** [IKM⁺01, IKM⁺02]. **CNN** [MZLS20]. **CO** [ACM01, AHHP17, GDM18, HJ98, SNN⁺20, PSB⁺19, TOC18, Wal02]. **co-array** [TOC18, Wal02]. **Co-designing** [AHHP17]. **co-execution** [PSB⁺19]. **Co-Expression** [GDM18]. **Co-processed** [HJ98]. **Co-Scheduling** [SNN⁺20]. **Coarray** [GBR15, YBMCB14]. **coarrays** [SMCH15, SC19]. **Coarse** [ADRCT98, IOK00, KOI01, LGM00, NIO⁺02, NIO⁺03, SSK⁺18, HDZ⁺20, Heb93, RJC95]. **Coarse-Grain** [IOK00]. **coarse-grained** [HDZ⁺20, Heb93, RJC95]. **Coarse-Grid** [SSK⁺18]. **coarsening** [PSLT99]. **Coast** [IS16]. **Coastal** [GAM⁺02]. **CoCheck** [MS96b, Ste96]. **Code** [AHP01, And98, BCGL97, CB00, CP97, CCK12, CCBPGA15, Cre16, DDL00, DZDR95, HE02, KaM10, KAMAMA17, KHS01, LD01, MMD98, MS02b, MM07, PBC⁺01, RGD13, SM03, SZBS95a, Sta95b, TGBS05, AMS94, ADB94, AFST95, BCAD06, BADC07, BW12, Bha98, Bri95, Cou93, DLR94, EZBA16, FMFM15, GSMK17, Heb93, IJM⁺05, JL18, KPL⁺12, KH10, MGS⁺15, MRH⁺96, MWO95, PKE⁺10, PSK⁺10, RP95, RVKP18, SZBS95b, SK00, SFLD15, SMSW06, TBD96, VBLvdG08, VDL⁺15, WLYL20, Wor96, XR21, YL09, ZGZS20, ZT20]. **codebooks** [PMM95]. **Codes** [FAFD15, JFY00, SWH15, HTJ⁺16, HWS09, HASnP00, JPP95, KBG⁺09, LRW01, Mal01, OLG⁺16, WB96]. **Coding** [FLS20, Uhl94, Uhl95b, SCC96]. **Coefficients** [MW98, ARYT17]. **COFFEE** [DFSW19]. **cognitive** [PWD⁺12]. **Coherence** [MM07]. **Coherent** [SS01]. **Collaborative** [DCPJ12, MZLS20, DCPJ14]. **Collapse** [PKYW95]. **Collecting** [BMR01]. **Collection** [LTRA02, DH95, MGC⁺15]. **collection-oriented** [MGC⁺15]. **Collections** [JFGRF12]. **Collective** [BIL99, BIC05, CCA00, FVD00, FCLG07, FPY08, GLB00, GMdMBD⁺07, Hus99, KH96, KLH⁺20, MJG⁺12, PGAB⁺05, SG15, TRG05, VFD02, WRA02, BPJ22, FA18, HS12, HMS⁺19, HG12, HWW97, KHB⁺99, KBHA94, KMH⁺14, LFW20, MBBD13,

MB21, Pan95b, PGBF⁺⁰⁷, PGAB⁺⁰⁷, RJMC93, SCB14, SCB15, SS99, TD99, Trä12a, THMH21, TFZZ12]. **Collectives** [CSW12, SvL99, ZGZS20, DJJ⁺¹⁹, HGX⁺²², Zah12]. **Collector** [GTS⁺¹⁵, WK08a, WK08c, WK08b]. **College** [AGH⁺⁹⁵, Ano94h]. **Collision** [QRMG96, Sta95b, ART17, FFFC99, LHLK10]. **Collocative** [MKW11]. **Colony** [ITT02]. **Colorado** [R⁺⁹², IEE05]. **Colt** [WN10]. **Columbia** [IEE95a, IEE95e, MAB05]. **column** [HSP⁺¹³]. **column-stores** [HSP⁺¹³]. **COMA** [GB96]. **Combined** [CBHH94, TJPF12, AiIS⁺²¹]. **Combining** [DP94, LSM⁺¹⁸, PQR18, Rab98, SCB14, Sch96a, SMAC08, YPAE09, Bor99, QM21, Sch96b]. **comes** [Ano94f]. **Coming** [HK95]. **Commands** [OLG01]. **comments** [Str94]. **commerce** [Ano94f]. **commercial** [Ano93h]. **commodity** [GGL⁺⁰⁸]. **Common** [HEH98, Per21, DK13, WLR05]. **Communicating** [FKK^{+96b}, GMPD98, FKK96a]. **Communication** [ABF⁺¹⁷, AJC⁺²⁰, BCG⁺¹⁰, BIL99, BIC05, DCPJ12, DZZY94, EM02, FST98a, FJK⁺¹⁷, FGKT97, FBSN01, GFD03, GFB⁺⁰³, GGS99, GMA20, GKD⁺¹⁸, GFV99, GLB00, GC05, HB96b, HC10, HDB⁺¹², HC06, HIP02, KB98, KV98, KBG16, LRT07, LC93, LBB⁺²¹, LCVD94a, MH01, MMH98, MR96, Nit00, PLK⁺⁰⁴, RK01, RRAGM97, RšT06, SWHP05, SCP97, SGH12, SBG⁺⁰², SJ02, ST02b, SGL⁺⁰⁰, SKH96, Sum12, TRG05, TGT05, TRH00, Trä02b, UMK97, WBH97, XH96, YC98, ZSG12, AC07, FH98, BHJ96, BVML12, BBH^{+13b}, BS94, BMG07, CAHT17, CGL⁺⁹³, Dem96, DWM12, DCPJ14, DGB⁺¹⁴, DBB⁺¹⁶, DS96b, DWS⁺²¹, GK97, GM13, Gra97, GL94, GB94, HB96a, HWX⁺¹³, Hus99, HWW97, KH96, KB01, KYL03, KYL05, KHB⁺⁹⁹, LR06b, LFL11, MLAV10, MMU99, MABG96, OGM⁺¹⁶, Pan95b, Par93, PGK⁺¹⁰]. **communication** [PM95, PKE⁺¹⁰, PSK⁺¹⁰, PS00b, RS21, SH14, SC95, TG09, TGKL19, Trä12a, THMH21, Vet02, WK20, Wu99, WMP14]. **Communication-avoiding** [GKD⁺¹⁸]. **Communication-aware** [GMA20]. **communication-based** [PGK⁺¹⁰]. **Communication-buffers** [MR96]. **Communication/Computation** [HIP02]. **Communications** [BPS01, CP98, CDHL95, CDH⁺⁹⁵, FVD00, FST98b, GT01, GBS⁺⁰⁷, GMdMBD⁺⁰⁷, IEE95b, IEE95e, LZH17, LZH18, MB00, VFD02, YTH⁺¹², bT01a, ADLL03a, ADLL03b, AiIS⁺²¹, BBW19, CDP99, FA18, HS12, KBHA94, MBBD13, McR92, MN91, MS99c, RGDML16, SCB14, SCB15, TD99, WLYC12]. **Communicators** [DFKS01, GFD03, GFD05, FKS96, GJMM18, KH96, MJG⁺¹²]. **communities** [ACM04]. **Community** [BHW⁺¹⁷, FCP⁺⁰¹]. **Como** [CLM⁺⁹⁵]. **COMOPS** [Luo99]. **Compact** [Uhl94, Uhl95b, Wor96]. **compaction** [VSW⁺¹³, WK08a, WK08b, WK08c]. **Compactly** [KLR16]. **Comparative** [KB98, MYL21, PSK08, SN01, AGR^{+95b}, ED94, YCL14]. **Comparing** [BF01, DSU20, Fin97, GBR15, HVSH95, ICC02, LKJ03, ORA12, SSG95, JLG05, WBSC17]. **Comparison** [BvdB94, BS07, HC10, KBM97, LCW⁺⁰³, Mat94, Mat95, Ney00, OP10, OF00, PPJ01, Pok96, RS93, RBB97a, SS01, SR98, SHH94b, VS00, Wal02, ZBd12, Ahm97, AB93b, BLP93, BID95, EVMP20, dFdOSR⁺¹⁹, GMU95, Har94, Har95, JS13, KDSO12, KNH⁺¹⁸, KC06, MSP93, Ols95, PS07, PSHL11, Pri14, SdM10, SYR⁺⁰⁹, SWS⁺¹², SHH94a, TOC18, TSZC94]. **comparison-based** [PSHL11]. **Comparisons** [GGS99, PGC02, CLYC16]. **Compass** [PWD⁺¹²]. **Compatible** [MM14, LBH12, OIH10]. **Compcon** [IEE93a]. **compete** [Ano96a]. **CoMPI**

[FSC⁺11, FCS⁺12]. **Compilation** [FSSD17, HKMCS94, LRBG15, RBC20, RVKP19, SBW91, ABB20, Coe94, FM90, PGS⁺13, PG18, SHM⁺12]. **Compile** [GB94, TSY99, JE95]. **Compile-time** [GB94]. **Compile/run** [TSY99]. **Compile/run-time** [TSY99]. **compiled** [KYL03, KYL05]. **Compiler** [ADK22, Ano98, Dan12, IOK00, KSS00, KSHS01, MB12, Mar09, MKW11, SSE12, SKS01, TJPF12, TBG⁺02, TGBS05, BAG17, HEHC09, LME09, LHC⁺07, LLC15, MA09, Mü103, PP16, RKBA⁺13, SHH101, SSH⁺19, THH⁺05, TMT⁺20]. **Compiler-assisted** [ADK22]. **Compilers** [Ano01a, CFF⁺94, LZ97, MKV⁺01, SBT04, SS96, Hos12, PBG⁺95, ZT17]. **Compiling** [DMB16, Hos12, CGK11]. **Complete** [BdS07, GHLL⁺98, Nag05, Per97, SOHL⁺98, YM97, Ano99a, Ano99c, Ano99b, Ano99d, PRS⁺14, SOHL⁺96]. **Completed** [PTT94]. **completion** [PHM⁺22, SSN⁺21]. **Complex** [BCGL97, GMPD98, MBS15, SOYHDD19, ZT20]. **Complexity** [NPS12, LCH⁺22]. **component** [HLP10, KRKS11, Squ03]. **Components** [ABG20, BT01b, CT02, Fin00, Gro02a, Lus00, Wis01, GKD⁺18, LRW01]. **Composable** [MLGW18]. **Composed** [Wei94]. **Composing** [PHA10, RHM⁺17]. **composite** [MALM95, YPA94]. **Compositing** [GPC⁺17]. **Composition** [CTK00, Cot04, DLB07, FC05, KH15, CFP96, SOYHDD19]. **compound** [LLC13, SAP16]. **Comprehensive** [MZLS20, RST02]. **compressible** [HHS19]. **Compression** [BKK20, FSC⁺11, KBS04, VPS17, AAAA16, HE15, UH96, Wu99]. **compression-based** [AAAA16]. **COMPSAC** [IEE95]. **Compton** [BCD96]. **Computation** [BKGS02, B⁺05, Cer99, DSM94, DSS00, EMO⁺93, ESM⁺94, Fer10, FF95, GS91b, HIP02, IEE94a, IEE96c, KF16, KS15b, Mar06, MR12, MSCW95, Nag05, PPR01, Sie92a, Sie92b, SMOE93, SSB21, VZT⁺19, WTTH17, ACM97a, AC07, ABDP15, Bis04, BALU95, Bos96, BHKR95, CL93, CMH99, CKP⁺93, Dab19, DZZY94, HLM⁺17, HK94, KB01, KHBS19, KJJ⁺16, KG93, Lev95, MLAV10, Neu94, NZZ94, NCKB12, PF05, PKE⁺10, Röh00, Shi94, SH14, TBB12, TPD15, TW12, Vol93, Wan97, Was96, SM07]. **computation-communication** [SH14]. **Computational** [ALR94, CMM03, DFMD94, JFY00, KH15, Liv00, MBS15, NFK98, R⁺92, SZBS95a, SM07, SYL19, SN01, TDBEE11, TGEM09, WPH94, Whi04, AGMJ06, BvdB94, BDG⁺92c, BR95a, HVSC11, KBG⁺09, PBK99, RBB15, SPE95, SZBS95b, STT96, Str94, VDL⁺15, XR21, BR95a, CCHW03, R⁺92, SL94a, WPH94]. **Computationally** [DFN12]. **Computations** [AGH⁺95, ACGR97, CGU12, CGPR98, IH04, PBK00, PMvdG⁺13, WJ12, ANS95, AASB08, BL99, CG93, DMW96, EGDK92, HJYC10, KD13, MRRP11, MR96, RBC20, Smi93b, SAP16, TS12b]. **Compute** [DBK⁺09, LSM⁺18, KKLL11, OHG19, VLMPs⁺18, ZLZ⁺11]. **Compute-intensive** [LSM⁺18]. **computed** [FWS⁺17, SSS99]. **Computer** [ACM06a, Ano94a, GTH96, IEE95l, IEE96h, IEE97c, IS16, KCR⁺17, Neu94, Old02, PSB⁺94, ST02a, Sum12, Ten95, URKG12, YTH⁺12, BN00, BS94, BKML95, BFM96, Cal94, CLM⁺95, GRTZ10, JWB96, Str94]. **Computer-Assisted** [GTH96]. **Computers** [Ano89, BP99, BCL00, DDP⁺19, DGMJ93, FFP03, GC05, IEE95b, IEE95e, ITKT00, LF⁺93a, MFTB95, PSZÉ00, SPM⁺10, SS96, BvdB94, BB93, BBK⁺94, DLR94, Duv92, ESB13, GBF95, KOS⁺95a, LR06a, MMB⁺94, NF94, POL99, PBK99, Wal94a, Wal94b]. **Computing** [ACM97b, ACM98b, ACM00, ACM01, ACM04, ACM06b, AJYH18, ACDR94,

AIM97, BJ93, BBG⁺95, BDG⁺93a, BGR97a, BL95, BCP⁺97, BRST94, BDH⁺95, BDH⁺97, BHNW01, BBH12, CZ95a, CGB⁺10, CLL03, CLOL18, CNC10, Cze16, DDS⁺94, DERCO1, DPP01, DKM⁺92, DGMS93, DT94, Edd18, FTVB00, Fer98b, FGKT97, Fos98, FS93, GLN⁺08, GS92, Gei93a, GBD⁺94, GSxx, Gei00, GN95, GL97a, GT94, Gua16, Hol12, HT01, IEE92, IEE93d, IEE93c, IEE94g, IEE95c, IEE95k, IEE95i, IEE96a, IEE96f, IFI95, KK02a, KS97, LCK11, LRG14, LC93, LR01, Lus00, dlFMBdlFM02, ME17, Mat16, Mat94, Mat95, MS04, Nov95, PKYW95, PR94b, PWPD19, SHTS01, SCSL12, Sin93, SSSS97, Ste00, SGS10, SW91, SGS⁺21, Sun90a, Sun90b, Sun92, Sun93, Sun94a, Ten95, VV95, VW92, WN10, YH96, YG96, ZL17, ZL18, ACGdT02, AMKM20].

computing

[ARYT17, AL92, AH95, ASCS95, Ano93h, Ano94e, Ano94h, Ano03, ADDR95, AMV94, BPG94, BDG⁺92a, BDG⁺94, BBB⁺20, BKML95, Bru95, BHW⁺12, CZ95b, CZ96, CHKK15, DLRR99, DKD08, DKB20, DW94, D⁺95, DMW96, DE91, EKTB99, EJL92, FBD01a, FGRD01, FO94, FS95, Fer98a, FS98, FME⁺12, FHC⁺95, GGGC99, GS02, GS91a, GS93, Gei93b, Gei94, GH94, GkLyCY97, HP05, HW11, HH14, HPY⁺93, HS95a, HH95, mH12, IEE97a, IM95, JPOJ12, JY95, JJM⁺11, JPTE94, KO14, Kos95b, KSSS07, LV12, LH98, LCHS96, LHD⁺94, LHD⁺95, LM13, Maf94, MZK93, Mal95, Mar07, NRdA⁺20, PGS⁺13, PKB06, Pen95, PGK⁺10, PTT94, PBG⁺95, PNV01, PWD⁺12, RBS94, RJDH14, RRJ⁺20, Sch93, SGS95, SMS00, STT96, SBK21, Sti94, SP11, Sun94b, SGDM94, Sun95, Swa01, SD99, TJD09, TKP15, TDB00]. **computing** [Tho94, TSS98, VM94, Vis95, Was96, XJR21, YULMTS⁺17, YLC16, YSL⁺12, Zem94, ZWL13, ZGC94, ZHS99, ZKRA14, ACM98a, Kon00, PW95, Per96, SCR92, TGEM09, NMC95, Ano95b]. **Concept**

[KaM10, LTR00, SB95]. **concern** [Ano94i].

Concurrency

[ME17, NPS12, DGB⁺14, EBB⁺20, PTG13].

Concurrent [Ano89, BDG⁺91b, BRS92, BHV12, BKH⁺13, DG95, GS91b, GS92, GSxx, Gre94, HS93, SNN⁺20, SPB⁺17, Sun92, Sun93, ZDR01, BDG⁺92a, FS95, GS91a, GS93, LPD⁺11, NP12, RGDML16, RCG95, Sun94b, SGDM94, Wal94a, Wal94b, WK08a, WK08b, WK08c, ZWZ⁺95].

condensates [KLM⁺19, MBA21].

condensed [MC99]. **Condition** [GK10].

Conditional [JCP⁺20, SGS⁺21, CBS18].

conditions [STA20]. **Condor** [CF01, PL96].

conduction [iSYS12]. **Cone**

[RCFS96, OIH10]. **Conference**

[ACM90, ACM94, ACM96b, ACM96c, ACM97b, ACM98b, ACM04, Abr96, ATC94, AGH⁺95, Ano89, Ano93g, Ano94a, Ano94e, Ano94i, ACDR94, BBG⁺95, B⁺05, Boi97, Bos96, BFMR96, BH95, CGB⁺10, CH96, DSM94, DSZ94, DKD07, DKM⁺92, ERS95, ERS96, EJL92, FF95, Gat95, GN95, GT94, Ham95a, HAM95b, HS95a, HS94, Hol12, IEE92, IEE94f, IEE95b, IEE95a, IEE95e, IEE95i, IEE95l, IEE95j, IEE96a, IEE96d, IEE96h, IEE96i, IEE02, LCK11, LF⁺93a, MMH93, Nar95, OL05, PR94b, Ree96, R⁺92, SPE95, Sil96, SM07, Sin93, SW91, USE95, USE00, VW92, Vol93, WPH94, Y⁺93, YH96, ACM95a, ACM05, ACM06b, ANS95, Ano93b, Ano93c, Ano95a, BR95a, Bil95, BDLS96, DR94, Eng00, GH94, JPTE94, LCHS96, Mal95, PW95, RV00, Van95, ZL96, ACM94, Ano94g, IEE95b, KKDV03].

Configurable

[IEE94d, MYK19, PKB⁺16, BB94].

configurations [PTL⁺16]. **conflict**

[TCP15]. **conformational** [MK94].

Congress [CJNW95, GHH⁺93, PSB⁺94,

BH95, dGJM94]. **Congressi** [GT94].

Conjugate [BG95, GFPG12, SSK⁺18,

BAC20, MM92, Ols95]. **Connected** [ABG20, BT01b, KRKS11, OF00, Pet01, GKD⁺18].

Connectivity [Whi94]. **Conquer** [CTK01, Cza02, Cza03]. **conscious** [ZA14]. **Considerations** [CJPC19, FA18]. **Considers** [WYZ⁺19]. **consistency** [DPFT19, KSTM20, WBSC17, YYW⁺12]. **Consistent** [TGT10, CG96, CG99a]. **Console** [PES99]. **Consortium** [BRST94]. **Constrained** [BSH15, EGR15, TSCS14]. **constraints** [BMS19]. **Construct** [DP94, EM94]. **Constructing** [DM93]. **construction** [ART17]. **Constructor** [MYK19]. **Constructs** [KDT⁺12, PGC02, BKH⁺13, BN00]. **consumer** [ACJ12]. **Contact** [Nak03]. **CONTAIN** [SBR95]. **containers** [Str12, ZT17]. **content** [GFB⁺14]. **Contention** [ALB⁺18, ALW⁺15, DSG17, SSD⁺20, Zah12]. **Context** [DGG⁺12, ZL18, DR18, EVMP20, MdSAS⁺18, OLG⁺16, PAdS⁺17, SCB15]. **context-bounded** [MdSAS⁺18, PAdS⁺17]. **Contexts** [CS14]. **Contiguous** [KLH⁺20, WTR03]. **continual** [NS16]. **continuation** [VY15]. **Continuations** [SSN⁺21]. **Continuous** [TA14]. **Contour** [GFJT19]. **Contract** [KPNM16]. **Contract-based** [KPNM16]. **contrarian** [KSSS07]. **Contrasts** [GGS99]. **Control** [FLD98, FM09, IEE94e, MSS97, CMZ99, MBKM12, MH18, OHG19, RRJ⁺20, SFL⁺94, SHPT00]. **control-flow** [MH18]. **Controlled** [DSU20]. **controller** [GWC95]. **convection** [BB95b, CEGS07, TVV96]. **Convention** [ACM98b, ACM99, ACM00, Hol12, IEE94b]. **Converse** [BK96]. **Conversion** [ZG95b]. **convex** [GCN⁺13]. **Convolution** [ADGA20, WTS19]. **convolutions** [DZZY94]. **Cook** [SD13]. **Cooperation** [Wis01, Str94]. **Cooperative** [DGF97, DiN96, HRSA97, kLCCW07, Pet00a, Pet00b, JKN⁺13, SHLM14]. **Coordinate** [OP98, LFW20]. **coordinated** [BCH⁺08]. **COORDINATION** [CH96, KAHS96, FKK96a, CH96]. **copies** [RS19]. **Copley** [IEE94e]. **Copperhead** [CGK11]. **Coprocessor** [BB18]. **Copy** [SWHP05, HCC⁺20]. **copying** [SH96]. **CORBA** [DPP01, Fin97, LRW01]. **Core** [ABB⁺10, Bri10, CZG⁺08, LZH17, SOHL⁺98, TCM18, YGH⁺14, YTH⁺12, ACMZR11, AV18, BBC⁺19, BBG⁺14, BL99, FHB⁺13, HTA08, JR13, JJM⁺11, JR10, KSG13, LLC15, LLH⁺14, MBB13, PZ12, SFSV13, SVC⁺11, TFZZ12, VDL⁺15, WCC⁺07, WYLC12, dCZG06, MMH98, Nag05, Ano99a, Ano99b]. **Cores** [BBG⁺11, DT17, BMS⁺17, DJJ⁺19, SC19, WO09]. **Corfu** [SM07]. **correct** [DM93]. **Correction** [SSLMW10, BCD96, FME⁺12]. **Corrections** [BL95, DLLZ20, Spe19]. **Correctness** [DFP⁺19, HMK09]. **Correlated** [MM07]. **corruption** [FME⁺12]. **Coscheduling** [GRV01, SGHL01]. **Cosenza** [KG93]. **cosmological** [BADC07, Sai10]. **Cost** [FLS20, KS15b, LSB⁺18, RLL01, GK97, GWVP⁺14, MH21, Wu99]. **Cost-Efficient** [LSB⁺18]. **costs** [GB94, LFS⁺19]. **Cots** [HHC⁺18]. **count** [KVGH11]. **Countdown** [CBB⁺20, CBB⁺21]. **counters** [Rab99]. **counting** [JR13]. **County** [ACM98b]. **Coupled** [MBS15, SS01, SBR95, Gra97, MBA21, TK19]. **Coupling** [BS93, KR09, SB95, WB96]. **course** [STT96]. **Coverage** [GSYT21]. **Covering** [MYK19]. **CoW** [KMG99]. **CPPvm** [Gör01]. **CPS** [Mat94]. **CPU** [BB18, CLOL18, DF17, EBB⁺20, HSO⁺21, HCC⁺20, JR13, KSL⁺12, Lee12, LRG14, LLC13, LFL11, OFA⁺15, PDY14, PHO⁺15, Pri14, RBC20, SdR⁺21, SPB⁺17, SSB⁺17]. **CPU-GPU** [HSO⁺21]. **CPU-MIC** [BB18]. **CPU/GPU** [EBB⁺20, KSL⁺12, Lee12, LLC13, OFA⁺15, RBC20, SSB⁺17]. **CPU/multi** [SAP16]. **CPUs** [ASB18, KH12, LNK⁺15, ÓN12, SFSV13, YSWY14]. **CPVM** [CG96]. **Cracow** [BDW97]. **cranial**

[NAJ99]. **CRANIUM** [MBES94]. **Crash** [LCVD94b]. **Crash-simulation** [LCVD94b]. **crashworthiness** [LCVD94a]. **Crawler** [Wal01a]. **Cray** [BL94, GRRM99, MP95, Sch96a, Sch96b, ABG⁺96, AZ95, AFST95, BBW19, CCSM97, LKJ03, LSK04, MWO95, Oed93, RBB97c, SWS⁺12, SCC95]. **CRAY-T3D** [Sch96a, Sch96b]. **CRAY-T3E** [Che99]. **CRC** [Edd18]. **Creation** [Hat98, MFC98, PS00a]. **Crew** [GHL97]. **CRI** [MSCW95]. **CRI-MAP** [MSCW95]. **Critical** [DSGS17, SLN⁺12, KSC⁺19, SDJ17]. **Critical-blame** [DSGS17]. **critical-path** [SDJ17]. **cross** [JR13]. **cross-platform** [JR13]. **Crossbar** [ZL17]. **CRState** [CZP21]. **cryptanalysis** [BSN95]. **Cryptographic** [PV97, ABDP15]. **cryptosystem** [WLC07]. **Crystals** [LHZ⁺20, LLmH⁺21]. **CS** [FST98a, FST98b, Jon96]. **CS-2** [FST98a, FST98b]. **CS/2** [Jon96]. **CT** [DYN⁺06, NAJ99]. **CT-scans** [NAJ99]. **cube** [Pan95a]. **Cubes** [DERC01]. **CUDA** [DLLZ20, Pri14, AMuHK15, AMKM20, AAAA16, ACMZR11, AC17, Ano12, AFG21, ASB18, BHS18, BY12, BTC⁺17, BAG17, BSH15, BBH12, CAM12, CGU12, CNM11, CLYC16, CBM⁺08, CSV12, CFF19, CB11, Cza13, DCD⁺14, DSU20, DS13, DR18, DS22, DARG13, DLLZ19, DLV16, DWL⁺10, DWL⁺12, DM12, Edd18, EADT19, EPP⁺17, ER12, FJZ⁺14, Fer10, FMFM15, FFM11, FWS⁺17, Fuj08, GDC15, GScFM13, GLN⁺08, GÓ19, GML⁺16, GDEBC20, GFPG12, GWVP⁺14, GRTZ10, HE13, HJBB14, HVA⁺16, HLM⁺17, HD11, HLP10, HP11, HLP11, Hog13, HF14a, HF14b, HKOO11, HT08, HWW21, HLO⁺16, JRG21, JL18, JPL22, JK10, JC17, JLS⁺14, JFGRF12, KRKS11, KHBS19, KD12, KAMAMA17, Kha13, KS13, KC19, KSC⁺19, KKB⁺21, KF16, KVGH11, KME09, KO14, KH15, KD13, KA13, Lan09, LRG14, LGKQ10, LLG12]. **CUDA** [LSSZ15, LBH12, LSVMW08, LSMW11, LAD16, LBB⁺16, LYSS⁺16, LYIP19, LYZ13, MMO⁺16, MV20, MNYN21, MR12, Mat16, MSML10, MdSAS⁺18, MGL⁺17, MM14, MH21, NSLV16, NS20, NS16, NBGS08, OIH10, ORA12, OHG19, PGS⁺13, PRS⁺14, PGD18, PHJM11, PAdS⁺17, PGdCJ⁺18, PSHL11, PSH⁺20, PTMF18, PSV19, PRS16, RBW⁺20, RS22, RBAI17, Ros13, RTN21, SSE12, STA20, SK10, iSYS12, SDJ17, STK08, SS09, Seg10, SSLMW10, SKM15, SP11, Stp20, SR11, SJK⁺17a, SJK⁺17b, TNIB17, TVCB18, TS12b, TA14, TCP15, Tsu12, UZC⁺12, VLMPs⁺18, WGG⁺19, WG17, WJ12, WMRR17, WRMR19, WWFT11, WJB14, XXL13, YULMTS⁺17, YHL11, YZ14, YW21, YMYI11, ZJHS20, ZSK15, ZAFAM16, ZWLZ21, ZZG⁺14, ZBd12, ZLS⁺15, ZZZ⁺15, dIAMC11, dIAMCFN12, vdLJR11, Che10, SD13, Vog13]. **CUDA-Aware** [DS22, HVA⁺16]. **CUDA-Based** [DLLZ20, DLLZ19, ZJHS20, AAAA16, AFG21, WGG⁺19]. **CUDA-BLASTP** [LSMW11]. **CUDA-C** [YULMTS⁺17]. **CUDA-compatible** [LBH12]. **CUDA-Enabled** [LSMW11, SSLMW10, DS13, KHBS19, PSV19, SR11, ZLS⁺15]. **CUDA-JMI** [GDEBC20]. **CUDA-NP** [YZ14]. **CUDA-powered** [RTN21]. **CUDA-quicksort** [MMO⁺16]. **CUDA-sharing** [PRS⁺14]. **CUDA-streams** [TVCB18]. **CUDA-to-OpenCL** [GScFM13]. **CUDA/MPI** [LYSS⁺16]. **cudaBayesreg** [Fer10]. **CUDA-EASY** [Sai10]. **CUDAalign** [SdM10, dOSMM⁺16]. **CUDA_s** [KMM15]. **CUDATM** [SM12]. **culling** [LHLK10]. **CUMODP** [HLM⁺17]. **CUMULVS** [GKP97]. **cuPC** [ZJHS20]. **cuPentBatch** [GNP19]. **CURAND** [Ano12]. **CURD** [PGD18]. **Current** [Bak98, GFD05, IFI95, BDG⁺93b, FK94, FHP⁺95]. **Curse** [OS97].

Curve [Rót19]. **cuSten** [GÓ19].
Customization [GSY+13]. **cut**
 [CG99a, CXB+12]. **cut-through** [CXB+12].
cuTensor [ZLWW20]. **cuTensor-Tubal**
 [ZLWW20]. **cuThomasBatch** [VLMPS+18].
cuThomasVBatch [VLMPS+18]. **cuts**
 [GKD+18]. **CVFuzz** [LCH+22]. **CVL**
 [Har94]. **Cybernetics** [IEE95a]. **cycles**
 [PL96]. **Cyclic**
 [DDPR97, WO95, HKMCS94, HC08, WO96].
Cyclops [dCZG06]. **Cyclops-64** [dCZG06].

D [And98, DYN+06, SSS99, SH14, VDL+15,
 Bha98, BCL00, Bri95, BMPZ94a, BAS13,
 CGU12, CP15, EFR+05, ES11, GCN+13,
 HF14a, HF14b, JR10, KRKS11, KO14,
 KD13, KHS01, KLR16, MK94, MSZG17,
 NSM12, SC19, TPD15, WMRR17,
 WRMR19, WR01, YSL+12, vHKS94].
D-CICADA [MK94]. **DAC** [Cza02, Cza03].
Daemon [LB98]. **DAG** [SGL+20]. **Dagum**
 [Stp02]. **d'Aix** [GA96]. **d'Aix-Marlioz**
 [GA96]. **Dallas** [ACM00, IEE95]. **Dame**
 [IEE96i, PG18]. **damping** [YPA94].
DAMPVM [Cza02, Cza03].
DAMPVM/DAC [Cza02, Cza03]. **DAMS**
 [CD98]. **Dangers** [BCP+97]. **DaReL**
 [KN95]. **Data**
 [AJF16, BMR01, BCG+10, BKK20, BGD12,
 CKmWH16, CLOL18, DK20, DERC01,
 DiN96, EGR15, Edd18, EASS95, FLS20,
 GTS+15, GSYT21, GB98, GMPD98, Gua16,
 HA10, HB96b, HC06, IADB19, JDB+14,
 KA13, LK14, LSM+18, LHCW05, LDJK13,
 LBB+21, MV17, Man01, MK17, ME17,
 Mat16, MGA+17, MJB15, NJ01, NPP+00b,
 NPP+00c, NA01, NLRH07, PCY14, RJ21,
 Rei01, SGH12, SPK96, SSLMW10, SR96,
 Str12, THS+15, TPK+19, WO95, Wel94,
 ZDR01, ZG95b, Zho21, AB95, ASS+17,
 AGG+95, BK11, Ben95, BR12, BID95,
 CFKL00, CGK11, CGL+93, DRUE12, EP96,
 FB97, Fan98, FVLS15, FME+12, FKK+96b,
 FWS+17, GE95, GE96, HB96a, HC08, JB96,
 JCP15, JE95, JPOJ12, KN95, KJJ+16,
 KRG13, LOHA01, LF+93a, LL16, LW20,
 MA09, MMB+94, MMM13, MR96, NCB+12,
 NCB+17, NPP+00a, OPP00]. **data**
 [PDY14, PG18, RJMC93, SJLM14, SSS99,
 SPH95, SK92, TW12, TGKL19, WO96,
 WZW21, WLK+18, YCL14, YWO95,
 ZJDW18, ZRQA11]. **Data-** [LSM+18].
data-centered [JPOJ12]. **Data-Driven**
 [ME17, NCB+12, NCB+17].
Data-Intensive [LBB+21, Rei01].
Data-Parallel
 [AJF16, GB98, RJ21, CKmWH16, SPK96,
 CGL+93, FKK+96b, MMB+94, MR96, SK92].
data-parallelism [BR12].
data-privatization [KRG13].
Data-Structures [GMPD98]. **Databank**
 [FCP+01]. **Database** [AR01, BFZ97, EK97,
 LBB+21, MWC97, MM14, PPT96a, MN91,
 PPT96b, PPT96c, PMZM16]. **Databases**
 [RGB+18, BA06, Bos96, ZWL13]. **Dataflow**
 [DT17, CSPM+96]. **Datasets**
 [DLLZ19, DLLZ20, VPS17, KGB+09].
Datatype
 [Gro00, SWHP05, HCC+20, KHS12].
Datatypes [JDB+14, RTH00, SGH12,
 Tha98, CAHT17, THRZ99]. **Dave** [Stp02].
David [Ano96a, Ano99a, Ano99b, Nag05].
DawnCC [MGA+17]. **DAWNING**
 [HWM02]. **DAWNING-3000** [HWM02].
Day [IS16]. **dbx** [NE98, NE01]. **DC**
 [B+05, IEE94h, IEE95k]. **DCE**
 [Sch93, FLD96, RS93, Sch93]. **DDL** [FB97].
Deadlock
 [LZC+02, SG12, HPS+12, HPS+13].
Deadlocks [FJK+17]. **Debugger** [WCS99].
Debugger [HM01, NE01, CH94, CG99b,
 MT96, XWZS96]. **Debuggers** [Ano01a].
Debugging
 [BDGS93, GKP96, KKV01, KV98, Mor95,
 NE98, Wis97, ZLL+12, BL97, BS96a, DKF93,
 DH22, HLOC96, KCD+97, MLA+14].
December [Bil95, Eng00, HHK94, IEE96a,
 Kum94, NM95, PBPT95, Y+93].

Decimation [PCY14]. **Declarative** [EADT19]. **decoder** [MC17].
Decomposition [BKK20, BJS97, CP97, EGH⁺14, KDHZ18, DBVF01, ETV94, OMK09, SHHC18, TGS⁺20].
decompositions [NZZ94]. **deconffliction** [TCP15]. **Dedicated** [WLNLO3, DJJ⁺19, Hus99, RSC⁺19, WLNLO6]. **Deep** [AHHP17, AJC⁺20, GDS⁺20, SM19, TWLL19, AMC⁺19, NWT21, SEC15].
Deep-Learning [AJC⁺20]. **Deferred** [Spe19]. **Defined** [Gua16]. **Defining** [GAML01]. **Deformable** [STK08].
Deforming [GAP97]. **Degree** [CTBT21, CT13]. **degrees** [KTJT03].
Delaunay [CWL⁺20].
DELAUNAYSPARSE [CWL⁺20].
Delegation [YTH⁺12]. **Delegation-Based** [YTH⁺12]. **Delft** [DSZ94]. **Delivering** [Hus98]. **Delphi** [ACGdTO2]. **Demand** [CTK00, LSB⁺18]. **Denmark** [DW94, DMW96, Was96]. **Dense** [AKL16, BDT08, CDD⁺13, Fuj08, Hog13, PMvdG⁺13, ZBd12, BRR99, LRLG19].
Densities [MW98]. **Density** [BL95, MC17, CBHH94, ZWHS95]. **Denver** [ACM01, IEE05, R⁺92]. **Dependable** [GM95]. **Dependant** [BP99]. **Dependence** [LAdS⁺15, BLVB18]. **dependence-aware** [BLVB18]. **Dependency** [PPR01].
Dependent [DFA⁺09, HO14, MFTB95, DM12, LBB⁺16, LYSS⁺16, ÓN12, RS22, SSB⁺16, TVV96, YPA94, YSVM⁺16, YSMA⁺17]. **DEPICT** [HM01]. **Deploying** [PKB01, CLLASPDP99]. **depth** [MKP22, SSS99]. **Derivation** [GB98].
Derived [JDB⁺14, RTH00, SWHP05, Tha98, CAHT17, HCC⁺20, Jou94, THRZ99].
Descent [Sch01]. **description** [TKP15].
descriptors [LNW⁺12]. **Design** [AS92, AAC⁺05, Ano01b, ACD⁺09, BCD⁺15, BBH⁺13b, BS96b, BMR02, BRM03, CLP⁺99, ETWam12, FD02a, FA18, FFP03, GG09, HWM02, JSH⁺05, KVGH11, LML⁺19, kLCC⁺06, kL11, LVP04, Man94, MMSW02, MZLS20, NPS12, OFA⁺15, Pan14, PLK⁺04, PCS94, SBG⁺02, SWYC94, SSL97, SPK⁺12, Sum12, THM⁺94, TPV20, USE94, VGRS16, ZGZS20, BR91, BMS19, CARB10, CSS95, DS96b, FD02b, FGL⁺20, GL94, GkLyCY97, HDZ⁺20, KA95, LC07, MAS06, OA17, PGK⁺10, PTW99, RSC⁺19, SL94b, Sep93, Sil96, SSD⁺94, SWL⁺01, WHMO19, Wal94a, Wal94b].
design-pattern [MAS06]. **designed** [BSH15]. **Designing** [BS21, GKZ12, LAD16, SWHP05, SH14, WYLC12, ZLP17, AHHP17, DSOF11, Pan95b]. **Designs** [HVA⁺16, SM19, AAAA16, MC17, Shi94].
desktop [Mar07]. **detach** [PHM⁺22].
Detailed [DLV16, RSPM98, BTC⁺17, LR06b]. **detect** [DPFT19, Str94]. **Detecting** [AGG⁺95, LCH⁺22, PPJ01, ZRQA11].
Detection [BHW⁺17, CSW12, CBL10, CFMR95, DMMV97, EML98, FME⁺12, HHC⁺18, KSJ14, SG12, ZDD97, BBH⁺15, DKF94a, HDDG09, HGMW12, HPS⁺12, HPS⁺13, LZC⁺02, RAGJ95, TCP15, TDG13, TWFO09, WTF014, YULMTS⁺17].
Detector [DZDR95, PGD18].
Determination [LAFA15]. **Determine** [BP99]. **Determinism** [CTBT21].
Deterministic [CFMR95, DK02, ZLL⁺12, MV20]. **Develop** [PD98]. **Developer** [IEE96i]. **developers** [Str94]. **Developing** [BFZ97, CCSM97, Cot98, DDLM95, Reu03].
Development [AC17, Ano01a, BDG⁺91b, BR95c, CHPP01, Cha02, Cot97, Cza02, DF21, DeP03, PS01a, SK00, SB01, TBD96, TDBEE11, ARvW03, ABC⁺00, BL97, BDG⁺92a, DSZ94, DHP97, KCD⁺97, LLC13, MMW96, PES99, SM12, TBB12, ZL96, Sei99]. **Developments** [Mat00a]. **device** [KKLL11, LS10, SBQZ14, YWTC15].

Devices [GJN97, RVKP18, ZJDW18]. **DFB** [WWZ+96]. **DFN** [RS93]. **DFN-RPC** [RS93]. **DG** [MV20]. **DG-MOSFETs** [MV20]. **DGX** [GDS+20]. **DGX-1** [GDS+20]. **DGX-1/Pascal** [GDS+20]. **Diagnosis** [AP96, LAdS+15]. **diagnostic** [RSBT95]. **dictionary** [LSSZ15]. **Diego** [Has95, LF+93a, NM95]. **Difference** [UZC+12, CdOO+20, GÓ19, GFPG12, HE13, NZZ94, NB96, Pri14, Ram07, Str94, VM94]. **Differences** [AKE00, LDCZ97]. **Different** [AIM97, DSU20, GL97b, JCH+08, Ney00, Rab98, RBB97a, BN00, PY95]. **Differential** [MFTB95, MKK21, Riz17, DFSW19, JK10, MPS20, NF94, RBB15, SP11]. **Differentiating** [Cer99]. **Differentiation** [BBH+08, BGK08, HH22, CdGM96, HHSM19]. **Diffusion** [HF14a, HF14b, MW98, CEGS07, DM93, MM92]. **Digest** [IEE93a, IEE95c]. **Digit** [DALD18, LAD16]. **Digital** [KLR16, CIJ+10]. **Dijon** [YH96]. **Dimemas** [GLB00]. **Dimensional** [Car07, GA96, HD02b, KD12, LRQ01, MW98, SJK+17a, SJK+17b, ZWLZ21, AL93, KT02, LSSZ15, ILLmH+21, MKK21, Ols95, PR94c, Ram07, RG18, ZWC21]. **Dimensions** [CWL+20, SAS01, Ano93h, HP11, LZC+20]. **Diophantine** [ZTD19]. **dipolar** [LBB+16, LYSS+16]. **DIPORSI** [GGCGO01]. **DipSystem** [SPL99]. **Direct** [Bri10, GPC+17, LB98, WJB14, BCM+16, Gra09, HWS09, MM11, SWH15]. **direction** [BDG+93b]. **Directions** [IFI95, FK94, FHP+95, Sun96]. **directive** [CPM+18, LV12, NO02a, YL09]. **directive-based** [CPM+18, LV12, YL09]. **directive/MPI** [NO02a]. **Directives** [AAB+16, BBG+99, BBG+01, BKO00, CCBPGA15, JFY00, BC19b, LOHA01, VGS14]. **directory** [JCP15]. **discharges** [LZC+20]. **Disciplined** [LWKA15]. **Discontinuous** [CF19, KK19]. **Discovering** [FJK+17]. **discovery** [ASAK19, BK11, GWVP+14]. **Discrete** [SSB21, ST17, WMC+18, YW21]. **Discrete-Event** [WMC+18]. **diskless** [PKD95]. **Disks** [dlFMBdlFM02]. **Dispersion** [RSV+05]. **Displacement** [BJS97, PSSS01]. **Dissemination** [GL97a]. **Distance** [MR12]. **Distances** [LAFA15]. **Distributed** [AGS97, Ano95e, BMS+17, BME02, BGR97a, BL95, Bha93, BJ95, BRST94, BT01b, BHKR95, CGB+10, CLL03, CSW97, CC99, DMB16, DBA97, DFMD94, DGF97, DHHW92, DHHW93a, EMO+93, ESM+94, FH95, Fan98, FTVB00, FK01, Fos98, FS93, FFFC99, GGCM99, GGCGO01, GCGS98, GCBM97, GWC95, GM95, HJ98, HC10, HRSA97, IEE93d, IEE93c, IEE94d, IEE94g, IEE95h, IEE95k, IEE95i, IEE95g, IEE96b, IEE96g, IEE96f, IEE05, JML01, KBA02, KP96, KDL+95b, KL95, KK02b, KSHS01, LC93, LHD+94, LHD+95, MC18, MZK93, MB12, MFTB95, MSCW95, Mat95, MBE03, NSBR07, NZZ94, NH95, Pen95, PKYW95, Pet00a, Pet00b, PTT94, PMM95, PBK00, PD98, PMvdG+13, RGD97, Sch94, SA93, SMOE93, SW91, Sun90a, Sun90b, SPNB14, TSS00b, THN00, Wil93, WO97, WCS99, YH96, ZDD97, ZDR01, AMBG93]. **distributed** [AGR+95b, AB95, Ano94e, Arn95, ADMV05, BSC99, BB95a, Bir94, BMPZ94a, CBPP02, CH94, CEF+95, CBHH94, CLLASPDP99, CPR+95, CK99, DLR94, DR94, DHHW93b, DR95, EGH99, FB97, FS95, FS98, FHC+95, FHB+13, GBR97, GCN+10, GKK09, GkLyCY97, GP95, HPY+93, HHA95, IEE97a, JWB96, KN95, KSG13, KJJ+16, KDL+95a, LR06b, LFS93a, LFS93b, LH98, LKL96, Liu95, LYIP19, LGMdRA+19, Maf94, MVTP96, Man98, MLC04, NAJ99, OLG+16, PK05, POL99, Par93, PR94c, RBW+20, RAGJ95, RFH+95, SSH08, SHHI01, SL94b, Sch93, SFL+94, SSC96, SPL99, Smi93b, SD99, THDS19, TSP95,

THM⁺⁹⁴, Uhl95a, VM94, VB99, Vet02, Vis95, Wal94a, Wal94b, WPL95, Wan97, YLC16, YWO95, YX95, YPZC95, YZPC95, ZL96, ZGC94, ZHS99, Pet01].

distributed-data [FB97].

Distributed-Memory [CSW97, CC99, KN95, SSH08].

distributed-shared [ADMV05].

Distributing [AL92]. **Distribution** [HB96b, LHCW05, MJB15, NPP^{+00b}, NPP^{+00c}, NA01, SR96, AGG⁺⁹⁵, CSW99, GS96, HB96a, JMdVG⁺¹⁷, KRC17, NPP^{+00a}, RJMC93, Wil94]. **Distributions** [ST17, WO95, HKMCS94, WO96, vHKS94].

Divergence [SdSCP13, WYH⁺²¹, LW20, VSW⁺¹³].

Divergent [WJA⁺¹⁹]. **diversity** [EO15].

Divide [CTK01, Cza02, Cza03].

Divide-and-Conquer [CTK01, Cza02, Cza03]. **DMMP** [BB93].

DMPI [HWM02, ZLL⁺¹²]. **DNA** [dFdOSR⁺¹⁹, GDMME22, PGF18].

DNAmI [CDZ⁺⁹⁸]. **DNMR** [SR11]. **do** [JLG05]. **dOCAL** [RBW⁺²⁰]. **docking** [ESB13, IPG⁺¹⁸, RJH⁺²⁰, VGP⁺¹⁹, ZWL13]. **Document** [MHSK16, AD95].

Documentation [BDG^{+xx}]. **Documents** [Ano98]. **does** [KC94]. **dog** [LK14].

Domain [BMR01, CP97, EGH⁺¹⁴, KDHZ18, kL11, ETV94, HE13, Nel93, NZZ94, Olu14, OMK09, Ram07, SHHC18, VM94].

Domaine [GA96]. **Domains** [KR09].

Dongarra [Ano95b, Ano96a, Ano99a, Ano99b, NMC95, Nag05]. **dOpenCL** [KSG13]. **dot2dot** [GDMME22]. **Double** [FKKC96, PTT94]. **down** [Str94].

Downloadable [Ano98]. **DP** [Arn95, KLR⁺¹⁵]. **DPVM** [IHvA⁺⁰⁰].

DQN [PS19a]. **DQN-based** [PS19a]. **draft** [DHHW93b, GL92]. **Draw** [ST17]. **Dresden** [MdSC09]. **Driven** [AIM97, LWSB19, ME17, PCY14, FSG19a, FSG19b, Hin11, NCB⁺¹², NCB⁺¹⁷, Qu95, SIS17, TWFO09, WTFO14].

Dror [Stp02]. **drug** [GWVP⁺¹⁴]. **drugs** [Str94]. **DSIR** [LTR00, RTL99]. **DSM** [KBVP07]. **DSMC** [JL18]. **DSMPI** [SSC96, SSC97]. **DTM** [PS07]. **DTS** [BHKR95]. **Dual** [BBC⁺⁰⁰, GAM⁺⁰², DK02, CT13, LSSZ15].

dual-dictionary [LSSZ15]. **Dual-Level** [BBC⁺⁰⁰, GAM⁺⁰², DK02]. **dual-scanline** [CT13]. **Dublin** [LKD08]. **During** [DeP03, DH22]. **Dust** [dlFMBdlFM02].

DVFS [PTL⁺¹⁶]. **DWT** [ZZZ⁺¹⁵]. **Dyn** [WLNL03, WLNL06]. **Dyn-MPI** [WLNL03, WLNL06]. **Dynamic** [ACGR97, AGS97, AUR01, BBD⁺²⁰, CGLD01, CKmWH16, CML04, CK99, CTK01, DMB16, DBA97, DFMD94, FMBM96, FD00, GFD03, GFD05, GRV01, GCBL12, GMPD98, GL95a, KFL05, LZZ⁺²⁰, MK17, NPP^{+00c}, NLRH07, PK98, PLK⁺⁰⁴, PT01, PGdCJ⁺¹⁸, Ran05, SPH⁺¹⁸, Smi93b, SY95, TS12a, TPK⁺¹⁹, VdS00, Vet02, Wal01a, Wil94, YST08, Zel95, DDLM95, EO15, FH97, FCS⁺¹², FKLB08, JC17, MSMC15, NSBR07, NF94, OKW95, PGD18, PSH⁺²⁰, RBAI17, RCG95, SCB14, SCB15, SKK⁺¹², SKB⁺¹⁴, WRSY16, YPA94, DvdLVS94, FCS⁺¹²]. **Dynamically** [HDW21, SSS99]. **DynamicPVM** [DvdLVS94]. **Dynamics** [BST⁺¹³, BCGL97, DR97, JFY00, KBM97, dlFMBdlFM02, MH01, OS97, SZBS95a, SA93, TDBEE11, TGEM09, YWCF15, ZB94, ALR94, AiIS⁺²¹, ABG⁺⁹⁶, AGMJ06, BvdB94, BHS18, BvdSvD95, BBK⁺⁹⁴, BMPZ94b, BMPZ94a, CC00b, FHSO99, HHS18, HVSC11, JAT97, JMS14, KFA96, KPK13, KRG13, LHZ⁺²⁰, LSVMW08, NS20, OKM12, PARB14, PBK99, PIR⁺²⁰, RS22, RBB15, SPE95, SZBS95b, SKM15, TG94, WPH94, XR21].

Dynamische [Wil94]. **dynamite** [IvdLH⁺⁰⁰, IHvA⁺⁰⁰]. **Dynamite/DPVM** [IHvA⁺⁰⁰]. **dynamo** [Hol95]. **DySel** [CKmWH16].

E-scale [Gua16]. **EA** [Ben18]. **each** [Ano00a, Ano00b]. **Early** [CD96, LV12, SLG95, EFR⁺05, HHK⁺19, KJA⁺93]. **Earth** [KTJT03, Nak03, Nak05a, Nak05b, UTY02]. **Earthquake** [UZC⁺12, KTJT03, KME09]. **Easily** [PKB01]. **East** [IS16]. **Easy** [HCA16, TDG13, MJPB16, SBF94]. **EasyGrid** [BR04]. **EASYPVM** [Saa94]. **ECMWF** [HK93, HK95]. **ed** [Nag05]. **EDEM** [Tsu95]. **Edge** [ZDD97, Gra97, RAGJ95]. **edition** [Ano99a, Ano99b, Ano00b]. **Editor** [GT19]. **Editors** [AM07, GSA08]. **EDP** [SdR⁺21]. **education** [ACM06a]. **EDV** [Ano94c]. **EDV-Benutzertreffens** [Ano94c]. **Edward** [Che10]. **Effect** [DK06, LFS⁺19]. **Effective** [MLAV10, RK01, SNN⁺20, TMC09, Tsu95, BC19b, Cza13, JH97, KS15a]. **Effects** [SSE12]. **efficacy** [GScFM13]. **Efficiency** [KS96, MTU⁺15, CZ96, MMU99, RS95]. **Efficient** [ADT14, Att96, BHW⁺17, BGBP01, BCK⁺09, BHLS⁺95, BFG⁺10, BGD12, Bru95, BDH⁺95, BDH⁺97, BMPZ94b, CVPS19, CAWL17, CFP96, DZ98a, DDN⁺22, DGG⁺12, FHPS94a, FHPS94b, FCS⁺19, GGZ⁺20, HBT95, HKT⁺12, HT08, HC06, HLO⁺16, K GK⁺03, KD13, LSB⁺18, LHCW05, LAD16, MDM17, MB12, MRB17, MKK21, NBK99, NWT21, OWO98, PGS⁺13, RJMC93, RRBL01, RSC⁺19, SPB⁺17, SOYHDD19, TGBS05, WQKH20, WSN99, WWFT11, YPZC95, YT20, ZWHS95, ZLWW20, ZT20, BfDA94, BHW⁺12, CLE⁺20, CGH⁺14, FM90, FNSW99, FHB⁺13, HCL05, KKB⁺21, KVGH11, LML⁺19, LKL96, LZC⁺20, LA06, MNYN21, MMDA19, Pan95b, PRS⁺14, PSH⁺20, PGPCCK21, RR01, STA20, SOA11, TPD15, TDG13, YLC16, dCZG06, CRD99, THRZ99]. **Efficiently** [CC99, CCM⁺06, PHA10]. **effortless** [ITT99]. **eigenproblem** [BV99, GG99]. **eigensolvers** [DR18]. **Eigenvalue** [DAK98, BSC99, THM⁺94]. **Eighth** [ERS95, Sie94, IEE96b]. **Eilean** [CSS95]. **einem** [BL94]. **Einfluß** [Gra97]. **Einführung** [MS04]. **einit** [CLE⁺20]. **Einstein** [ARYT17, KLM⁺19, MBA21]. **Einstein-** [ARYT17]. **Ejector** [CCBPGA15]. **elastic** [PTG13]. **elasticity** [PTT94]. **Elastodynamic** [MAIVAH14]. **electric** [BALU95, Ano03]. **electrical** [Sil96]. **electroabsorption** [WWZ⁺96]. **electromagnetic** [DSOF11, NZZ94, OMK09, WGG⁺19]. **electromagnetics** [OGM⁺16]. **electron** [ART17, JL18]. **electron-molecule** [ART17]. **Electronic** [GJN97]. **Electronics** [IEE95d]. **Electrosoft** [Sil96]. **electrostatic** [VDL⁺15]. **Element** [BS21, DK20, KK19, MMD98, MS02b, OD01, OMK09, RHM⁺17, SM02, VRS00, BB93, BCM⁺16, Gra09, HMKV94, KME09, KEGM10, MGS⁺15, MKK21, Nak05a, Nak05b, PTT94, PSV19, TOC18]. **Elemental** [PMvdG⁺13]. **elements** [KB13]. **Eliminating** [DSG17]. **elimination** [ACMZR11]. **elision** [CLdJ⁺15]. **elliptic** [AGIS94, PR94c]. **ELLPACK** [BBH12, MKP⁺96]. **ELLPACK-R** [BBH12]. **Else** [Gei00]. **elucidation** [MK94]. **embarrassingly** [RGP22]. **Embedded** [TCM18, WZM17, YGH⁺14, ADK22, ACJ12, CGK11, NEM17, TMW17, WCS⁺13]. **Embedding** [FS97, SML17, SML19, MS96a]. **Embodying** [Ser97]. **Emerging** [WJA⁺19, RMNM⁺12]. **Emission** [Pat93, EZBA16]. **emphasis** [Bos96]. **eMPI** [MS96a]. **eMPI/eMPICH** [MS96a]. **eMPICH** [MS96a]. **Empirical** [SS94, VY02, KSTM20]. **Employing** [AGMJ06, GVF⁺18, LB16]. **emulation** [Bae20, MS99b]. **emulator** [LTLC94]. **enable** [SPK⁺12]. **Enabled** [Fos98, GSY⁺13, LSMW11, Pan14, SSLMW10, ZL17, ZLP17, DS13, GLM⁺08, HJBB14, KHBS19, KTF03, PSV19, RA09, SHHI01, SBK21, SR11, ZLS⁺15]. **Enabling**

[APBcF16, BGG⁺¹⁵, CLSP07, DGB⁺¹⁴, GBH14, GBH18, HJYC10, NPS12, TY14, ZPI06, BR04, MA09, SHHC18, WDR⁺¹⁹]. **encapsulation** [DRUE12]. **encoding** [AAAA16, PGBF⁺⁰⁷, SM12]. **endpoint** [LLH⁺¹⁴]. **endpoints** [DGB⁺¹⁴, WK20]. **energies** [TKP15]. **Energy** [BPG94, CBB⁺²⁰, CBB⁺²¹, EGR15, KFL05, LML⁺¹⁹, RBAI17, SPB⁺¹⁷, VW92, FKLB08, KN17, LRLG19, MNYN21, PTL⁺¹⁶, TDG13]. **Energy-Aware** [EGR15]. **Energy-Efficient** [SPB⁺¹⁷, LML⁺¹⁹, MNYN21, TDG13]. **Engine** [Wal01a, NPP^{+00a}, Wal01b, WGG⁺¹⁹]. **Engineering** [Ano98, BPG94, BP93, EGH⁺¹⁴, IEE96h, KaM10, LSB15, LF^{+93a}, MS02a, MBS15, Nag05, SM07, Str94, DMW96, IEE94c, PW95, RMS⁺¹⁸, Sil96, LF^{+93a}]. **engineers** [HW11]. **Engines** [SLJ⁺¹⁴, HSW⁺¹², SHM⁺¹²]. **EngineTM** [OIS⁺⁰⁶]. **English** [Wil94]. **Enhance** [AR01]. **Enhanced** [Ano98, CDHL95, CDH⁺⁹⁵, FMSG17, KY10, PLR02, Saa94, BR95b, FE17a, FE17b, TSCS14]. **enhancement** [ARL⁺⁹⁴, Boi97]. **Enhancements** [BDG⁺⁹⁵, BCKP00, DM95b, DM95a]. **Enhancing** [BFIM99, CMZ99, FSC⁺¹¹, HMS⁺¹⁹, IPG⁺¹⁸, MVTP96, MSMC15, OFA⁺¹⁵]. **Ensemble** [Cot97, Cot98, BY12, FH97]. **Ensemble-Based** [FH97]. **ENSOLV** [AMS94]. **Entwicklung** [Sei99]. **Environment** [BDGS93, BFG⁺¹⁰, BFM97, BGL00, CHPP01, CTK01, DLB07, DI02, DHHW92, DHHW93a, DDL00, FTVB00, FWR⁺⁹⁵, GJN97, GL97a, HRSA97, KBA02, KKH03, KDL^{+95b}, KVH97, LC93, Lus00, MSOGR01, MM02, MFG⁺⁰⁸, MSS97, NJ01, Ong02, Rol94, SDN99, SGL⁺⁰⁰, SGHL01, TTP97, WL96a, ASAK19, ABG⁺⁹⁶, BDG^{+92b}, BDG⁺⁹⁴, BK96, BT96, CEF⁺⁹⁵, CLLASPDP99, DZ96, DL10, DHHW93b, EASS95, FMBM96, FB95, Fan98, Fra95, GBR97, GGH99, GPL⁺⁹⁶, GkLyCY97, HZ94, IJM⁺⁰⁵, IvdLH⁺⁰⁰, KCD⁺⁹⁷, Kat93, KDL^{+95a}, Kos95b, KFSS94, wL94, MSL12, MK97, NP94, PES99, PVKE01, PQ07, RNPM13, SSKF95, Sch93, SPK96, SBF94, SWYC94, Skj93, SSG95, TJD09, TSCS14, Tho94, WCC⁺⁰⁷, WL96b, WLC07, ZPLS96]. **environmental** [ANS95]. **Environments** [Ano95e, Ano01a, Bak98, BF98, DT94, GFB⁺⁰³, Laf01, Mat94, Mat95, MFC98, PS01a, RB01, SHH94b, SSSS97, SCL00, TAH⁺⁰¹, ACGdT02, ARL⁺⁹⁴, ALR94, ADDR95, AMV94, Bon96, BFIM99, CDH⁺⁹⁴, CK99, DR94, DR95, EO15, HS93, HVSH95, LC07, LGMdRA⁺¹⁹, MSP93, SS94, SHH94a, SAP16, TSS98, VB99, YS93, ZL96]. **environments-the** [CDH⁺⁹⁴]. **EPS** [GT94]. **EPS-APS** [GT94]. **Epstein** [BL95]. **Epstein-Nesbet** [BL95]. **Equation** [ES11, LZ97, SAS01, VRS00, DM12, LBB⁺¹⁶, LYSS⁺¹⁶, MS95, NP94, ÓN12, Ols95, Pri14, iSYS12, SSB⁺¹⁶, YSVM⁺¹⁶, YSMA⁺¹⁷]. **Equations** [And98, BG95, GK10, Huc96, LLY93, ILLmH⁺²¹, MFTB95, MKK21, ORA12, ZB97, BHW⁺¹², Che99, DFSW19, IM95, JK10, Jou94, MPS20, MM11, NF94, RBB15, SP11, SMSW06, ZZG⁺¹⁴, dH94]. **Equi** [LTRA02]. **Equi-Join** [LTRA02]. **equivalencing** [LLG12]. **Era** [ABB⁺¹⁰, CZG⁺⁰⁸, CGKM11, EdS08]. **Erratum** [Ano01b, HF14b, Wal94b]. **Error** [DFC⁺⁰⁷, SSLMW10, HPS⁺¹², HPS⁺¹³]. **Errors** [FCLG07, DPFT19, SD16]. **Erweiterung** [GBR97]. **ESA** [Whi94]. **ESBMC** [MdSAS⁺¹⁸]. **ESBMC-GPU** [MdSAS⁺¹⁸]. **Espoo** [RWD09]. **ESPRIT** [CDH⁺⁹⁴]. **Estimation** [GK10, TSN21, WZM17, WQKH20, YNJS21, AMHC11, CCU95, GB94, JMdVG⁺¹⁷, KS13, ZWHS95]. **Estuarine** [LRQ01]. **Ethernet** [CC00a, Fin97, HcF05, KYL03, KYL05, OF00, PFG97]. **EU** [Ano03]. **Eugene**

[MCdS⁺08]. **Euler** [DLR94, IDD94]. **Euler/Navier** [DLR94, IDD94]. **EURO** [HAM95b, BFMR96, HAM95b, BFMR96]. **Euro-Par** [BFMR96, HAM95b, BFMR96]. **Euromicro** [IEE95h, IEE96g]. **EuroMPI** [CDND11, KGRD10, TBD12, GT19, TB14, TH20]. **EuroMPI/USA** [GT19]. **EUROPE** [LCHS96, Ano92, Ano93f, Ano93g, Ano94g, Tou96]. **European** [AD98, Ano94i, BR95a, BDLS96, BC00, BDW97, CHD07, CHD09, CD01, CDND11, DKD05, DLM99, DKP00, DLO03, KGRD10, Kra02, KKD04, LKD08, MTWD06, RWD09, TBD12, WPH94, DHK97]. **EuroPVM** [BDLS96, OL05, DKD07, MTW07]. **EUROPVM/MPI** [OL05, DKD07, MTW07]. **EuroPVMMPI** [KKDV03]. **EUROSIM** [BH95, DSZ94, BH95]. **Eurospace** [Tou96]. **Eurospace-Ada-Europe** [Tou96]. **Evaluate** [MW98]. **Evaluating** [BWV⁺12, FVLS15, FL21, FST98a, GFD03, GFD05, GGCGO01, GB96, HWW97, LRG⁺16, LH95, SSSS97, ZSnH01, GScFM13, LTLC94, TG09, ZLZ⁺11]. **Evaluation** [ATM01, BF98, BIC⁺10, BFM97, BEG⁺10, BB18, CLP⁺99, DI02, FST98b, FSSD17, Han98, JCH⁺08, KS96, KK19, KK02b, KSS00, LGCH99, LNK⁺15, LZ97, kL11, LVP04, MH01, MGC12, NNON00, OTK15, OM96, Pan14, Par93, RB01, SWHP05, SCP97, SEF⁺16, SBF⁺04, SM02, Sou01, SJK⁺17a, SJK⁺17b, TOTH99, TSB02, TSB03, TTSY00, UMK97, VY02, AB13, BBG⁺14, BBH...13a, BMG07, CdOO⁺20, CB11, DBB⁺16, DWS⁺21, HPR⁺95, HHK⁺19, HASnP00, HPS95, IM94, JC17, JMdVG⁺17, KC19, KKB⁺21, LV12, LNW⁺12, MKP⁺96, MKP22, MM03, MT96, MMH99, MH21, NN95, PSK08, RLFdS13, SL94b, SWS⁺12, SWYC94, SFSV13, TSP95, THM⁺94, TMPJ01, Wor96, YWO95, YS93, ZHK06]. **Evaluations** [KNH⁺18, MM14]. **Event** [KKV01, NSLV16, THS⁺15, WM01, WMC⁺18, FSG19a, FSG19b]. **Event-Based** [NSLV16]. **event-driven** [FSG19a, FSG19b]. **events** [HHK⁺19]. **everything** [CCM⁺06]. **everything-shared** [CCM⁺06]. **Evolution** [Mat01a, PS01a, RBB17, SSL97, SGDM94, DFSW19, GS93, SSD⁺94]. **Evolutionary** [B⁺05, DSM94, Rag96]. **Evolving** [Bad16, ER12, MdSC09]. **Ewing** [Ano95c, Ano99c, Ano99d, Ano00a, Ano00b]. **EWOMP'99** [BC00]. **Exact** [dOSMM⁺16]. **examine** [LFS⁺19]. **ExaMPI** [SBG20]. **Example** [Che10, SK10, NB96, Pat93]. **Examples** [Cre16, Edd18, Mat16]. **Exascale** [Bad16, SBG20, BBB⁺20, LV12, LSG12, LGM⁺20, RPS19]. **Exception** [FMSG17]. **exchange** [MMM13, Pan95a]. **excluded** [BHW⁺12]. **executable** [WMP14]. **Execution** [AHD12, BME02, DT17, FC05, FM09, GR07, KGK⁺03, MK17, Mar05, MFG⁺08, MAGR01, Ney00, STY99, SAP16, BLVB18, EPML99, Mor95, PSB⁺19, SMAC08, TNIB17, TSY99, TSY00, UGT09]. **Executions** [GAML01]. **exhaustive** [CPKG17]. **Exhibition** [HS95a, GH94, LCHS96]. **Existing** [CB00]. **EXOCHI** [WCC⁺07]. **Expand** [CGC⁺02]. **Expanding** [LA02]. **expected** [CAHT17]. **Experience** [BCP⁺97, BT96, CP98, PS01a, Tou00, AMS94, BC19b, CARB10, KJA⁺93, RSC⁺15]. **Experiences** [AHP01, BFZ97, CMV⁺94, CLLASDPD99, GLN⁺08, GS91a, GSI97, GB96, GL95d, ITT02, JR10, KS97, LBG⁺20, Mar02, TGEM09, ZPLS96, ZKRA14, AL92, BBB⁺22, CCF⁺94, Sch94, SGDM94, BDG⁺93b]. **Experiment** [Luo99]. **Experimental** [BIL99, BIC05, BB18, EGC02, Ser97, UMK97]. **Experiments** [BPMN97, Coe94, LGM00, OS97, RR00, ZB97, RHG⁺96, HAJK01]. **Expert** [BPG94]. **experts** [EO15]. **ExpEther** [NMS⁺14]. **Explicit** [BHV12, GFPG12, SGHL01, CdOO⁺20, DS22, KW20, LC97b]. **Explicitly** [Mai12, SYR⁺09]. **exploit**

[ZPI06]. **Exploitation** [GGL⁺08, GAM⁺02, BK11, GAM⁺00].
Exploiting [Add01, AML⁺99, Bri10, FKLB08, HEHC09, KFL05, LWKA15, LFW20, NAAL01, VGP⁺19, Nob08, SWCB20, THH⁺05].
Exploration [AMuHK15, HSO⁺21, MZLS20, OFA⁺15, ABDP15, GE95, GE96, PDY14].
Explorations [BGG⁺15]. **Exploring** [CPM⁺18, IFA⁺16, IMS16, LGMdRA⁺19, MBKM12, MTU⁺15]. **Expose** [SAL⁺17].
Exposing [SD16]. **Exposition** [IEE95d, LF⁺93a]. **EXPRESS** [KS96, Ahm97, FK94, LH95, SHH94a, SHH94b].
expressing [HLK⁺20]. **Expression** [BN12, GDM18, KH15, Per21, Sur95a].
Expressions [VZT⁺19, SFLD15]. **expressive** [Trä12a, YLC16]. **Extend** [DFA⁺09]. **Extended** [BR02, Rót19, HTA08, SS99]. **Extending** [ABB⁺10, BCC⁺00a, BCC⁺00b, BDB⁺13, CS96, CG99a, KDT⁺12, LMRG14, Mar03, OFA⁺15, RGDML16, SDV⁺95, TMTP96, CG96, GGHL⁺96, KSC⁺19, LRG⁺16].
Extensible [BL97, GS94]. **Extension** [AELGE16, BGR97a, CSAGR98, VAT95, Hum95, JH97, SG14, SC95, ZT17, GBR97].
Extensions [Fis01, GOM⁺01, GHLL⁺98, HVA⁺16, HE15, DPSD08, HP05, Kat93, VLCM⁺20, ZCBD22, Ano99c, Ano99d].
Extent [kL11]. **Extent-Based** [kL11].
exterior [HMKV94]. **external** [BBB⁺94].
Extraction [CBL10, HLO⁺16, RTN21, dAT17].
Extreme [MdSC09, ZKRA14].
Extreme-scale [ZKRA14]. **eyes** [Str94].

F [FHPS94b, FHP⁺94]. **F90** [DP94]. **Fabric** [ZL17, ZL18]. **face** [HDDG09]. **Faces** [Gro12]. **facilitate** [PKB06]. **Facilitating** [MC99, ZLL⁺12, ESB13]. **Facilities** [MMH98, MN91]. **Facility** [KG96, SHTS01, KZCS96, LHCT96].

Factorisation [BB18]. **Factorization** [KF16, OPJ⁺19, AZ95, BSvdG91, BRS92, DG95, KBP16, WLC07]. **Factorizations** [TD98, LC97b]. **Fail** [LFS92, LFS93a, LFS93b]. **Fail-safe** [LFS92, LFS93a, LFS93b]. **Failure** [BBH...13a, CRGM14, SRS⁺19, BBH⁺13b, CGH⁺14, BDB⁺13]. **failure-aware** [CGH⁺14]. **failures** [JS13]. **Faithful** [KLR16]. **FALCON** [HCC⁺20]. **FALCON-X** [HCC⁺20]. **Fall** [Gra97]. **false** [JE95]. **FAME** [ILLmH⁺21]. **family** [AVA⁺16]. **far** [KKB⁺21]. **farming** [Str94]. **Fast** [ADGA20, Ben01, BHS⁺02, BDA⁺18, BBH12, CS14, DMK19, DFN12, EM02, HMKG19, Hog13, Hol95, JFGRF12, JMdVG⁺17, KK19, LYIP19, ILLmH⁺21, PSHL11, PR94c, PBC⁺01, RB01, SE02, SS09, STY99, SR11, TPLY18, UP01, WTR03, AiIS⁺21, KKB⁺21, Lan09, LCL⁺12, NYNT12, STA20, TDG13, YULMTS⁺17, YLZ13, YBZL03, ZA14, AAB⁺17, DBLG11, PFG97]. **Faster** [Tsu12, ZG95a, ZG96]. **Fat** [Zah12]. **Fat-tree** [Zah12]. **FATCOP** [CF01]. **Fault** [BBC⁺02, BCH⁺03, BHK⁺06, CF01, CFDL01, FBD01a, FBVD02, FD02a, FD04, GFB⁺03, GKP97, GJR09, GL04, Gua16, IEE95c, JSH⁺05, LMRG14, LGM⁺20, LNLE00, dLR04, MSF00, RPM⁺08, TS12a, WC09, Wil93, BCH⁺08, CLE⁺20, FBD01b, FD02b, HG12, LRG⁺16, LMG17, LS08, MB21, PKD95, RGP22, SG05, WDR⁺19, ZHK06, FD00].
Fault-Management [GJR09].
fault-tolerance [CLE⁺20, WDR⁺19].
Fault-Tolerant [BHK⁺06, FD04, GFB⁺03, IEE95c, JSH⁺05, LMG17, LS08, MB21].
Faults [LAdS⁺15]. **FCRC** [ACM96b]. **FD** [And98]. **FD-TD** [And98]. **FDDI** [LC93]. **FDTD** [DSOF11, VM94, WGG⁺19]. **Fe** [Old02, RV00, BJS99]. **feasibility** [KBG16].
Feature [Qu95, GDEBC20, RTN21, ZWL⁺17].
Feature-driven [Qu95]. **Features**

[GLT99, GLT00b, GLT00a, GLT12, KAHS96, Ano00a, BPJ22, CMZ99, CRD99, IMS16, LSB⁺20, WKS96, ZKRA14, dAT17]. **February** [Ano95d, GE95, GE96, IEE93a, IEE94a, IEE97c]. **FEM** [EVMP20, GEW98]. **FEM-Systeme** [GEW98]. **Fermi** [SP11, WKP11]. **fermions** [GM18]. **FETI** [KLR⁺15]. **few** [NS16]. **few-body** [NS16]. **Feynman** [NS16]. **FFT** [DMK19, DALD18, GB98, JKM⁺17, NSM12, SH14, WJB14]. **FFT-Based** [WJB14]. **FTTs** [EFR⁺05]. **FTTW** [KT10]. **FHP** [BMS94a]. **Fibonacci** [GFJT19]. **Field** [KNT02, Goe02, KKB⁺21, LK20, RS22, TKP15]. **fields** [BALU95, RSBT95]. **Fifth** [DKM⁺92, HK93, IEE96f, SM07, IEE95c]. **filamentary** [YPA94]. **File** [BIC⁺10, CGC⁺02, LRT07, kLCCW07, kL11, PLR02, RK01, TSS00b, Tsu07, WTR03, DL10, LL95, SBQZ14, iSYS12]. **File-I** [PLR02, RK01]. **File-I/O** [PLR02, RK01]. **film** [SL00]. **Filter** [FDG19, BY12, CCU95]. **find** [GDMME22]. **Finding** [FCLG07, GÁVRRL17, PCS94]. **Fine** [AZG17, BBG⁺10, JCP15, SFL⁺94, TCM18, YSS⁺17, BK11, KW14, LZHY19]. **Fine-Grain** [AZG17, JCP15, SFL⁺94, BK11, KW14]. **Fine-Grained** [BBG⁺10, TCM18, YSS⁺17, LZHY19]. **Finite** [DK20, DFN12, KK19, MMD98, MS02b, MAIVAH14, MKK21, OD01, OMK09, Pri14, RHM⁺17, SM02, UZC⁺12, VM94, VRS00, BB93, CdOO⁺20, DS22, GÓ19, Gra09, GFPG12, HE13, HMKV94, KME09, KEGM10, KB13, Nak05a, Nak05b, NZZ94, NB96, PSV19, Ram07, TOC18]. **Finite-Difference** [UZC⁺12, VM94, CdOO⁺20, HE13, NZZ94, Ram07]. **Finite-Element** [MS02b, MKK21, BB93, KME09, KEGM10, Nak05a, Nak05b]. **Finland** [RWD09]. **Fire** [JML01, SJ02]. **Firedrake** [RHM⁺17]. **First** [AGH⁺95, BCD96, BC00, CH96, Dem96, DFN12, DW94, Gat95, HAM95b, Kum94, Nar95, PBPT95, SSP⁺94, USE94, AH95, BS94, GM18, MMDA19, PTMF18, PBPT95]. **Fix** [DLV16]. **fixed** [PSV19]. **fixed-grid** [PSV19]. **FLAME** [VBLvdG08]. **flat** [Nak05b]. **Flattening** [THRZ99]. **flavors** [GM18]. **FlexCL** [LWZ18]. **Flexibility** [KK02b]. **Flexible** [CS14, GR95, GBS⁺07, SHPT00, CARB10, DGB⁺14, GAM⁺00, HGX⁺22, HC08]. **Flink** [KWEF18]. **FlinkCL** [CLOL18]. **flip** [KO14, Kom15]. **Floating** [LWSB19]. **Floating-Point** [LWSB19]. **Florida** [ACM98b]. **Flow** [BHW⁺17, BGD12, CGZQ13, CCBPGA15, FM09, MK17, Pat93, AMS94, AFST95, EP96, ED94, HK94, HTHD99, HHSM19, JAT97, LL16, MBKM12, MH18, Ols95, PTT94, RM99, SCC95, SU96, TS12b, TOC18, TGS⁺20]. **Flow-Based** [BHW⁺17]. **Flows** [GAP97, BCM⁺16, BTC⁺17, DS22, Heb93, LLG12]. **flowshop** [CB11]. **Fluid** [DFMD94, GAP97, JFY00, SZBS95a, TDBEE11, TGEM09, ALR94, ATL⁺12, AGMJ06, BvdB94, BHS18, Bil95, HVSC11, MRRP11, PBK99, SPE95, SZBS95b, WPH94, XR21]. **fluid-particulate** [ATL⁺12]. **fluids** [HK94, WB96]. **Flux** [QRMG96, QRG95]. **Fly** [WMC⁺18, KSJ14, THRZ99, BCAD06, BADC07]. **FM** [LC97a]. **FMA** [LO96]. **Fock** [MMDA19, CBHH94]. **Focus** [Cla98, CFF19]. **foolish** [Rol08a]. **Footprint** [CBB⁺20, TS12b]. **force** [Goe02, RS22]. **forcing** [JRG21]. **Forecast** [AHP01]. **forecasting** [Bjo95, KOS⁺95a]. **Forest** [JML01, MPZ21, NCKB12]. **ForestGOMP** [BFG⁺10]. **Foreword** [CHD09, SBG20]. **FORGE** [WCVR96]. **Fork** [BGD12, SML17, SML19]. **Fork-Join** [BGD12, SML17, SML19]. **form** [NCB⁺12, NCB⁺17]. **Formal** [BG94a, BdS07, GKS⁺11, GB98, LPD⁺11, PGK⁺10, VVD⁺09, BG94c, SZ11]. **Formalizing** [FGRT00]. **Format**

[BBH12, MDM17, CBIGL19]. **Forschung** [Ano94c]. **Fortran** [Ano97, Ben95, Bra97, GBR15, TOC18, AC17, Ano98, AS14, BW12, BC19b, DZ98b, Don06, GML⁺16, HE13, HH14, HZ99, KaM10, Kuh98, KLM⁺19, LC97b, LCC⁺03, MWO95, iSYS12, SM03, SMCH15, SC19, TBG⁺02, Wal02, YBMCB14, YSVM⁺16, YSMA⁺17, vHKS94]. **Fortran/PVM** [MWO95]. **Forum** [Str94]. **Forward** [RMNM⁺12, BDB⁺13]. **forwarding** [CXB⁺12]. **foster** [SM12]. **Foundation** [Gei01]. **Foundations** [KSTM20]. **four** [GSMK17, MGG05]. **four-atom** [MGG05]. **four-particle** [GSMK17]. **Fourier** [DBLG11, BCM⁺16, YW21]. **Fourteenth** [IEE95b]. **Fourth** [Ano89, IEE93d, IEE95k, Sie92a, Sie92b, Ano94i, IEE96g]. **FPGA** [KNH⁺18, LLVM21a, LLVM21b, MKP22, MTU⁺15, MZLS20, PWP⁺16, PGF18, RGB⁺18, WTTH17, WHMO19, WTS19]. **FPGA-based** [WTS19]. **FPGA-Platform** [WTTH17]. **FPGAs** [AJYH18, CJPC19, JCP⁺20, LLVM21a, LLVM21b, LWZ18, MC17, MKP22, OFA⁺15, PGS⁺13, WZHZ16, RöH00]. **fractal** [Wu99]. **fragment** [KS15a]. **fragments** [OA17]. **frame** [MNYN21]. **Framework** [Ben18, DGMS93, FC05, GGCGO01, GR07, GDDM17, HDW21, MGL⁺17, NSZS13, PWPD19, PMvdG⁺13, RBP⁺21, SSB⁺05, SSAS12, Sun90a, Sun90b, VT19, WZHZ16, Ano93c, BA06, BLVB18, BR04, BAG17, EFR⁺05, FLMR17, GM13, HDZ⁺20, JCP⁺20, KKM15, KJJ⁺16, KKJ⁺08, KH10, LLVM21a, LLVM21b, LME09, LGG16, LCMG17, LS08, MW21, PTL⁺16, RSC⁺15, SL00, TDB00, XJR21, YLC16, YWTC15, ZT17, dAT17]. **Frameworks** [OP10, ASS⁺17, KDSO12]. **France** [ACM90, BR95a, BFMR96, CHD07, DE91, FR95, JPTE94, MCdS⁺08, VW92, YH96, GA96, IEE94c]. **Francisco** [BBG⁺95, IEE93a, IEE94g]. **Frankfurt** [Tou96]. **Frankfurt/Main** [Tou96]. **Fredericton** [BG91]. **Free** [DK20, KK19, PKYW95, CP15, MKK21, SOA11, Zah12]. **freedom** [KTJT03]. **Frequency** [IEE94e, SdR⁺21]. **friendly** [SVC⁺11]. **Frontiers** [ACM06b, IEE94a, IEE96c, Sie92a, Sie92b, Sie92a]. **Frontiers'95** [IEE94a]. **Frontiers'96** [IEE96c]. **FSI** [HAA⁺11]. **FT** [FD00, LNLE00, WTS19]. **FT-MPI** [FD00]. **Fujitsu** [Ano98, AKL99, BHS⁺02, SWJ95, SH96]. **full** [CFF19]. **full-orbit** [CFF19]. **Fully** [GA96, ZL17, SSB⁺16, VLCM⁺20]. **Function** [AGS97, Bri02, HHS18, MCP17, Röt19, RB01, SW12, HE15, JMdVG⁺17, KRC17]. **Functional** [ACM90, AJF16, CNM11, NW98, Ser97, CBHH94, EP96, HLK⁺20, HSE⁺17, SFLD15, WZWS08]. **functionality** [BFIM99]. **functionally** [PSV19]. **Functions** [BKGS02, Brü12, Hat98, MDM17, CdGM96, HWX⁺13, PNV01]. **Fundamentals** [Wal96a]. **fused** [TW12]. **fusing** [BAC20]. **Fusion** [FHK01, FMFM15, LK20, PKE⁺10]. **fusions** [FFM11]. **Futhark** [HSE⁺17]. **Future** [Dar01, IEE93d, Mat00a, BDG⁺93b, FK94, FHP⁺95, Gei94, RPS19, Sni18]. **Futures** [Kuh98]. **fuzzing** [LLCD15]. **Fuzzy** [MDM17, TVCB18].

G [OPM06]. **G2** [Cot04, KTF03, OPM06]. **GA** [Ara95]. **GAIN** [ARYT17]. **GAIN-MPI** [ARYT17]. **Gains** [CMM03]. **Galerkin** [CF19, KK19]. **Gallipoli** [Ano93b]. **GAMMA** [CC00a]. **Gap** [AAB⁺17, ASS⁺17]. **Garbage** [GTS⁺15]. **Gas** [BMS94b, BBK⁺94, BMS94a]. **GASPI** [SIC⁺19]. **gather** [MTK16, Pro21]. **gauge** [BW12]. **Gauss** [BG95, LM99, Ols95]. **GCel** [SHH94a, SHH94b]. **GECCO** [B⁺05]. **Geist** [Ano95b, NMC95]. **gem5** [PHO⁺15]. **gem5-gpu** [PHO⁺15]. **Gemini** [SWS⁺12]. **gems** [Fer04, mH12, Ngu08, PF05]. **Gene**

[GDM18, PCS94, AAC⁺05, BGH⁺05, EFR⁺05, KMH⁺14, LM13, MV17, MSW⁺05]. **gene-finding** [PCS94]. **Gene/L** [AAC⁺05, BGH⁺05, EFR⁺05, MSW⁺05]. **Gene/Q** [KMH⁺14, LM13, MV17]. **General** [AJYH18, Che10, IH04, MW98, SK10, SZBS95a, Sun94a, TPV20, ABDP15, ADLL03a, ADLL03b, CBM⁺08, FLD96, KPNM16, PF05, RSBT95, SSD⁺20, SZBS95b, SMSW06, YPA94]. **General-Purpose** [AJYH18, Che10, SK10, ABDP15, CBM⁺08, KPNM16, PF05]. **generalised** [TGS⁺20]. **Generalized** [DFKS01, FKS96, BSC99, SD99, van93]. **Generating** [AZG17, CGL⁺93, ER12, IJM⁺05, PKB⁺16, SFLD15]. **Generation** [AB93a, CC17, FAFD15, Gei98, GTH96, GSYT21, HT08, JFY00, LTDD14, RGD13, SSK⁺18, SSB⁺17, TGBS05, VPS17, AB93b, CPKG17, CPR⁺95, DCD⁺14, DWM12, EYP⁺20, KHS12, KPL⁺12, KH10, LCH⁺22, MMDA19, RBC20, SP11, TGKL19, WKS96, WMP14, ZKRA14]. **generational** [WK08a, WK08b, WK08c]. **generative** [MAS06]. **generator** [Lan09, Stp20, TNIB17, YL09]. **generators** [CCS19]. **Generic** [ARS89, AKL99, GB98, BAS13, GM13, ZT17]. **Genetic** [FTVB00, MTSS94, MSCW95, PB12, TGKL19, WKS96, Wal01a, WHDB05, AB13, BB95a, FSTG99, HPLT99, JPL22, RJC95, Wal01b, B⁺05]. **genetics** [LM99]. **Geneva** [IEE97b]. **genomic** [SdM10]. **genomics** [CJPC19]. **GeoComputation** [Abr96, Abr96]. **GeoFEM** [NO02b, NO02a, Nak03]. **geomechanics** [BJS99]. **Geometric** [DDP⁺19, TK19, VGP⁺19]. **geometrical** [FMS15]. **Geometry** [STK08, Hol95, STT96]. **geophysical** [Has95]. **Georefering** [GCGS98]. **Georgia** [USE00, UCW95]. **German** [EGH99, GBR97, Gra97, GEW98, Sei99, Wer95]. **Germany** [BDLS96, GH94, KGRD10, MTWD06, MdSC09, PSB⁺94, Sch93, Tou96, Ano93a, BPG94, Cal94, GHH⁺93, WPH94]. **Gesellschaft** [Ano94c]. **get** [Str94]. **Getting** [Nob08]. **GF100** [WKP11]. **gHull** [GCN⁺13]. **GHz** [Ano03]. **Gibbs** [TKP15]. **Gigabit** [CC00a, HcF05, EGH99, OF00]. **Giganet** [GT01, Trä02b, bT01a]. **GIS** [CFPS95, CCSM97]. **Give** [DZ98b]. **glass** [JRG21]. **Glenda** [SBF94, Bic95]. **Global** [BSG00, DSS00, Pan95a, Ros13, SHTS01, STK08, SWH15, TTP97, HWS09, HCL05, HEHC09, LF⁺93a, Str94, Wan02, YLZ13, Zah12, ZWHS95]. **Globally** [BHS⁺02]. **GLUE** [Rab98]. **GMRES** [dH94]. **Gmunden** [Vol93]. **GNU** [YSMA⁺17]. **go** [KC94]. **good** [Mat03]. **Göttingen** [Ano94c]. **GP** [LRBG15]. **GP-GPUs** [LRBG15]. **GPFS** [AHP01, BIC⁺10, PTH⁺01a, PTH⁺01b]. **GPGPU** [AAB⁺16, ASB18, BGG⁺15, CVPS19, CPM⁺18, HA11, HCZ16, JKN⁺13, LME09, LDJK13, LCY19, LYZ13, MBKM12, PTG13, TWLL19, TY14, YZ14, YNJS21, YEG⁺13]. **GPGPUs** [CS19, JMdvG⁺17, LSB15]. **gprMax** [WGG⁺19]. **gprof** [GJLT11]. **GPU** [Che10, KA13, SPB⁺17, AKL16, ADGA20, AFG21, AHHP17, BDP⁺10, BR12, BCD⁺12, BCD⁺15, BBD⁺20, BTC⁺17, BMS19, BWV⁺12, BBH12, CLOL18, CBYG18, CCBPGA15, DSU20, DF17, DS22, DS16, DK13, DALD18, DSOF11, DWL⁺10, DWL⁺12, EBB⁺20, ER12, FA18, Fer04, FFM11, FSSD17, GCN⁺13, HSO⁺21, HVA⁺16, HCC⁺20, HSE⁺17, HDW21, HK09, HK10, HZG08, mH12, JDB⁺14, JLS⁺14, JR13, JNL⁺15, JJPL17, JPT14, KDSO12, Kha13, KSL⁺12, KPL⁺12, KF16, KI17, KPNM16, KEGM10, KO14, KNH⁺18, KMM15, LWSB19, LV12, Lee12, LRG14, LLC13, LML⁺19, LW20, LAD16, LYGG20, MMO⁺16, MPS20, MPZ21, MdSAS⁺18, MGL⁺17, NRdA⁺20, Ngu08, NWT21, NMS⁺14, NSM12, OFA⁺15, Pan14, PDY14,

PGdCJ⁺¹⁸, PF05, PS19b, Pri14, RSC⁺¹⁵, RS19, RBC20, RMNM⁺¹², Sai10, SK10, SdM10, dOSMM⁺¹⁶, iSYS12, SS09, SNN⁺¹⁹, SSD⁺²⁰, SCSL12, SIRP17]. **GPU** [SBK21, SAP16, SYL19, SD16, SSB⁺¹⁷, SKM15, SKB⁺¹⁴, SG14, TBB12, TS12b, TMT⁺²⁰, TPV20, VZT⁺¹⁹, VT19, WZM17, WJA⁺¹⁹, WGC⁺¹⁹, WKP11, WYZ⁺¹⁹, XJR21, XR21, YULMTS⁺¹⁷, YHL11, YCL14, YSS⁺¹⁷, YSS⁺¹⁹, ZJHS20, ZGNZ22, ZRQA11, ZZG⁺¹⁴, ARYT17, PHO⁺¹⁵].

GPU-Accelerated

[KA13, KF16, SCSL12, PGdCJ⁺¹⁸].

GPU-Aware [Pan14, FA18]. **GPU-based** [MMO⁺¹⁶, SS09]. **GPU-clusters** [NWT21].

GPU-code [EZBA16]. **GPU-enabled** [SBK21]. **GPU-Job** [PS19b].

GPU-programming [HSE⁺¹⁷].

GPU-Resident [JDB⁺¹⁴]. **GPUDirect** [OGM⁺¹⁶, YWCF15]. **GPUMixer**

[LWSB19]. **GPUMP** [ZC10]. **GPUrpc** [IFA⁺¹⁶]. **GPUs**

[AJYH18, ABG20, BLVB18, BY12, BC19b, BDA⁺¹⁸, CJPC19, CPKG17, DS13, DS16, GNP19, GML⁺¹⁶, GFPG12, GPC⁺¹⁷, GM18, HTJ⁺¹⁶, HLP10, HP11, HLP11, Hos12, HWW21, IFA⁺¹⁶, JKM⁺¹⁷, JAK17, KGB⁺⁰⁹, KKM15, KKLL11, KC19, KVGH11, KW20, LWKA15, LBH12, LRBG15, MA09, MYL21, NS20, ÓN12, OIH10, PP16, PSV19, PB12, SHLM14, SNN⁺²⁰, STH22, SDB⁺¹⁶, SKK⁺¹², TPK⁺¹⁹, Tsu12, VLMPS⁺¹⁸, VY15, WRSY16, WQKH20, WJ12, WJB14, YLZ13, YSWY14, ZLWW20, ZC10, Zho21, ZZZ⁺¹⁵].

gpuSPHASE [WMRR17, WRMR19].

GPUVerify [BCD⁺¹²]. **GQ** [RFG⁺⁰⁰].

gQoS [LYGG20]. **GRACE**

[YKI⁺⁹⁶, ZRQA11]. **GRADE** [DDL00].

graded [PSV19]. **Gradient**

[BG95, GFPG12, SSK⁺¹⁸, BAC20, KN17, MM92, Ols95]. **Grain**

[AZG17, IOK00, KOI01, MJPB16, NIO⁺⁰², NIO⁺⁰³, BK11, JCP15, KW14, SFL⁺⁹⁴].

Grained

[ADRCT98, BBG⁺¹⁰, LGM00, TCM18, YSS⁺¹⁷, HDZ⁺²⁰, Heb93, LZHY19, RJC95].

GRAM [HDW21]. **Grammatical** [RBB17].

Grand [DGMJ93, Ten95, BDG^{+92c}].

Graph

[BHW⁺¹⁷, CDT05, CTBT21, DW02, MM14, NPS12, PPR01, STV97, Zho21, HLP10, HKOO11, MMAH20, PP16, PD11, RJH⁺²⁰].

Graph-Based [NPS12].

Graph-Partitioning [STV97]. **Graphic**

[HJBB14]. **Graphical**

[BDG^{+91b}, DDL00, BDG^{+92a}, KCD⁺⁹⁷,

KFSS94, SSKF95, VDL⁺¹⁵]. **Graphics**

[JPL22, KS15b, LSVMW08, LSMW11,

SLJ⁺¹⁴, SSLMW10, vdLJR11, ABDP15,

BHS18, CBM⁺⁰⁸, DBLG11, Fer04, GKL95,

HTA08, HSW⁺¹², KFA96, KY10, KB21,

KME09, LHLK10, MSZG17, PF05, SHM⁺¹²,

SR11, WWFT11, ZLS⁺¹⁵, MSML10].

graphics-scalable [GKL95]. **Graphite**

[MMAH20]. **Graphs** [LGM00, OP10,

PGF18, VZT⁺¹⁹, EP96, MC99, MJPB16].

Gravitational [ZSK15, KM10]. **Greece**

[CD01, CDND11, SM07, TG94]. **green**

[PTL⁺¹⁶, LWKA15]. **Grenoble** [JPTE94].

Grid

[AB93a, CGB⁺¹⁰, CLL03, DPP01, Fos98,

KT02, Laf01, Liv00, MRB17, PLK⁺⁰⁴,

Rei01, SSK⁺¹⁸, TGEM09, AMKM20,

AB93b, Eng00, GLM⁺⁰⁸, KRKS11,

KTXP21, PSV19, WYLC12, AASB08, BR04,

CCHW03, DKD08, FC05, GFB⁺⁰³, GL02,

KTF03, KGK⁺⁰³, KSSS07, LC07, LS08,

NSBR07, RPM⁺⁰⁸, RTRG⁺⁰⁷, SHTS01].

Grid-Adaptive [KT02, KTXP21].

Grid-Enabled [Fos98, GLM⁺⁰⁸, KTF03].

Grids [NO02b, ACH⁺¹¹, CC10, KBG⁺⁰⁹,

NO02a, NB96, TK19, XJR21, BBH⁺⁰⁶,

GR07, Ram07, SN01]. **GROMACS**

[BvdSvD95]. **Gropp**

[Ano95c, Ano99c, Ano99d, Ano00a, Ano00b].

Gross [LBB⁺¹⁶, LYSS⁺¹⁶, SSB⁺¹⁶,

YSVM⁺¹⁶, YSMA⁺¹⁷]. **Ground**

[HTHD99, NS16]. **Groundwater** [MMD98, AFST95, EGDK92]. **Group** [AD98, Ano98, Ara95, ACDR94, CHD07, CHD09, CD01, CDND11, DKD05, DLM99, DKP00, GN95, KGRD10, Kra02, KKD04, LKD08, MC94, MTWD06, RWD09, TBD12, UMK97, WQKH20, BDW97, DLO03, MMU99]. **grouping** [WPL95]. **Groups** [GOM+01]. **Grover** [LYZ13]. **Growth** [PKYW95, BB95a]. **GTS** [PKE+10]. **Guest** [AM07, GSA08, GT19]. **GUI** [VGS14]. **GUI-awareness** [VGS14]. **guidance** [SDJ17]. **Guide** [Ano12, D+91, GBD+94, Lad04, Nov95, NMC95, Per96, Ano95b, BDG+91a, McK94]. **Guided** [FDG19]. **Guideline** [Trä12b]. **Guidelines** [TGT10]. **GVirtuS** [MGL+17].

Hack [DLV16]. **Hadoop** [LSM+18]. **Hague** [Ano93f]. **Halide** [RKBA+13]. **halo** [BBW19]. **halo-swapping** [BBW19]. **Hamburg** [PSB+94]. **Hamiltonian** [ART17]. **Handling** [DFC+07, FMSG17, LSB15, LGM00, RC97, FFFC99, LNW+12, THRZ99]. **Hands** [KmWH10]. **Hands-on** [KmWH10]. **Harbor** [BBC+00]. **Hardware** [BGG+15, BWW+12, Brü12, BCKP00, CDPM03, DW02, EADT19, FGL+20, GJMM18, HSP+13, KF16, LSMW11, MFC98, PSM+14, PKB+16, SSK+18, SSLMW10, ZGNZ22, vdLJR11, ER12, GGL+08, PMZM16, Rab99, RS21, SBG+12, SH94, SWS+12, YÁJG+15, ZLS+15]. **Hardware-Based** [CDPM03]. **Hardware-oblivious** [HSP+13]. **harmonic** [GSMK17]. **Harness** [EBKG01, MS99b, PL96, FBD01a, FBD01b, FBVD02, FD02a, FD02b, MSF00, Gei98]. **HARP** [FDG19]. **Harrogate** [CJNW95]. **Hartree** [CBHH94, MMDA19]. **HASEonGPU** [EZBA16]. **Haskell** [WO97]. **Hate** [Dan12]. **Hawaii** [ERS95, ERS96, HS94, MMH93, ZL96].

HCA [KBG16]. **HDL** [Kat93, KMK16]. **HDMR** [KD12]. **Heading** [Sch99]. **Heaps** [GFJT19]. **Heat** [SAS01, NP94, iSYS12]. **Hector** [RFRH96, RRG+99]. **Heijen** [Van95]. **held** [AGH+95, GA96, JB96, KG93, MMH93, Old02, R+92, SPH95, TG94]. **Helios** [SPK96]. **Helmholtz** [HMKV94]. **Helps** [Stp02]. **HeNCE** [BDG+92a, BDG+92b, BDG+93a, BDG+94]. **Hénon** [JPT14]. **Herzliya** [IEE96h]. **HeSSE** [MRV00]. **Heterogeneous** [ABB+10, BDG+93a, BDGS93, BL95, BCP+97, BGR97b, BCKP00, CMMR12, CLOL18, CLBS17, DKB20, DGMS93, DGMJ93, FDG97a, FDG97b, FLD98, Fos98, GS91b, GDDM17, HSO+21, IEE93f, KR09, KCR+17, LC93, LSB+18, MRV00, MM01, MM02, NTR16, OPJ+19, PD98, PHO+15, RVKP19, SM19, SMS00, SGS10, TQDL01, VLO+08, ACGdT02, ADB94, ADDR95, AMV94, BDG+92c, BDG+94, BALU95, BRR99, BAG17, CCM12, CFPS95, FMBM96, GKZ12, GCN+10, GDEBC20, GKCF13, HHS18, HK94, IPG+18, KSG13, KSL+12, Kos95b, KSS+18, LBG+20, LCL+12, LR06a, Lee12, Mai12, MSL12, MM03, NP94, NEM17, Pen95, PSB+19, RCFS96, RVKP18, SCJH19, Skj93, Smi93b, Sun94b, Sun95, TBB12, TMW17, TKP15, TDG13, VB99, VGP+19, WCC+07, WZW21, YST08, YSL+12, ZJDW18]. **HeteroMPI** [LR06a, VLO+08]. **Heuristic** [BHM96, STV97, WH94]. **HI** [ERS96, HS94, IEE96e, ACM97a]. **HICSS** [ERS96, MMH93]. **HICSS-26** [MMH93]. **HICSS-29** [ERS96]. **hiCUDA** [HA11]. **Hierarchical** [BMR01, FBSN01, HA10, HL17, MB18, MALM95, RR02, ADMV05, BDV03, GJMM18, LZZ+20, OKM12, YPZC95]. **hierarchies** [SYR+09]. **High** [ACM97b, ACM98a, ACM98b, ACM00, ACM01, ACM04, AJC+20, BPG94, BS21, BRST94, BS07, BDA+18, CDD+13, CNM11,

CDHL95, CWL⁺20, CS14, DPP01, DDL00, DE91, FGKT97, GSHL02, GBH99, GBS⁺07, GLDS96, HMKG19, HVA⁺16, HA11, Hol12, IEE92, IEE93c, IEE94g, IEE95k, IEE96a, IEE96f, IEE97c, IFI95, JJM⁺11, KLH⁺20, Kha13, KQT⁺21, KMK16, KEGM10, KH15, Laf01, LCK11, LC97a, LkLC⁺03, LML⁺19, LBH12, LWP04, MW98, MPD04, ME17, MAB05, MKK21, NFK98, NU05, OPJ⁺19, OIH10, OLG01, PKB01, PR94b, PTH⁺01b, Rab98, RH01, SPM⁺10, SSLMW10, SCSL12, SJ02, Slo05, SVC⁺11, SSSS97, Tou00, Tsu07, VW92, WN10, YCL14, YWCF15, YSP⁺05, Zho21, AH95, Ano03, YADC07, Ber96, BWT96, BID95, CHKK15, CBYG18, DL10, Duv92, EZBA16, EVMP20, ESB13, FME⁺12, GS02, GGC⁺07, GL96, GL97c, HDDG09, HLK⁺20]. **high** [HW11, HGX⁺22, Hos12, KBP16, KME09, Lan09, LBD⁺96, MNYN21, MSL12, MSZG17, NS91, NFG⁺10, Old02, OGM⁺16, PGS⁺13, PGK⁺10, PF05, PTW99, RBW⁺20, Reu03, RJDH14, SG14, SFLD15, ZSK15, ZWL13, dAT17, CDH⁺95, DZ98b, D⁺95, DE91, GH94, HS95a, KD12, LCHS96, LC97b, SSH08, Ten95]. **High-Dimensional** [MW98, MKK21]. **high-frame-rate** [MNYN21]. **High-Level** [CS14, DDL00, HA11, Hos12, RBW⁺20, SG14, SFLD15]. **High-order** [KEGM10, EVMP20, KME09, OGM⁺16]. **High-Performance** [ACM98a, AJC⁺20, BS21, FGKT97, IEE97c, LkLC⁺03, OPJ⁺19, OLG01, PKB01, PR94b, PTH⁺01b, Rab98, RH01, SPM⁺10, SCSL12, WN10, GLDS96, LML⁺19, OIH10, SVC⁺11, Ano03, ESB13, FME⁺12, GL96, GL97c, HDDG09, HLK⁺20, KBP16, LBD⁺96, Old02, PGS⁺13, PGK⁺10, PF05, Reu03, RJDH14, SFLD15, ZSK15, HS95a, GH94, LCHS96, SSH08]. **High-Precision** [Kha13]. **High-Quality** [BDA⁺18]. **High-Scalability** [BS07]. **High-Speed** [CDHL95, KMK16, AH95, BWT96, CDH⁺95]. **High-Throughput** [HMKG19, SSLMW10, ESB13]. **Higher** [MYB16, KB13, wL94]. **higher-level** [wL94]. **Higher-order** [MYB16]. **Highly** [MM95, PV97, TMP16, CARB10, GBH14, GBH18, JCP⁺20, KKB⁺21, PSH⁺20, VM95]. **highly-efficient** [PSH⁺20]. **highly-scalable** [GBH14]. **Hills** [IEE93f]. **HiNet** [AH95]. **HIRLAM** [Bjo95, HE02, KOS⁺95a]. **histogramming** [KRC17]. **History** [OWSA95]. **Hitachi** [Ano03, NNON00, TSB02, TSB03]. **HLA** [RTRG⁺07]. **Hoare** [KI17]. **Hoc** [IBC⁺10, ITT02]. **Högskolan** [Eng00]. **Hole** [Kha13]. **holistic** [TWFO09]. **Homomorphisms** [RG18]. **homotopy** [GWC95, SMSW06, VY15]. **Honolulu** [IEE96e]. **honor** [Str94]. **Host** [Ano95e, LLRS02]. **Host-Parasite** [LLRS02]. **HOTB** [GSMK17]. **Hotel** [IEE94e]. **Hotel-Copley** [IEE94e]. **Hough** [YULMTS⁺17]. **house** [ZLZ⁺11]. **Houston** [ACM06a, Ano95a, Cha05, DKM⁺92, Y⁺93]. **HP** [CGB⁺10]. **HPC** [ASS⁺17, CGBS⁺15, DH22, EYP⁺20, GDC15, GKK09, LZZ⁺20, LCVD94b, MKP22, MMAH20, OLG⁺16, PRS⁺14, RGGP⁺18, VGP⁺19, WDR⁺19, ZLP17]. **HPC2002** [Ano03]. **Hpcfolder** [JKN22]. **HPCN** [LCHS96]. **HPF** [BP98, BF01, BID95, Bri00, BDV03, CM98, CDD⁺96, Coe94, FKK⁺96b, FKKC96, FKK96a, LZ97, OP98, OPP00, SM02, Str94]. **HPF-MPI** [BP98]. **HPL** [Lee12]. **HPVM** [BCKP00, CLP⁺99, KSS⁺18]. **HPVM-Based** [CLP⁺99]. **hull** [GCN⁺13]. **human** [VLSPL19]. **Hungarian** [Fer92, FK95, LYIP19]. **Hungary** [DKP00, KKD04, VV95, FK95]. **hunting** [JPP95]. **Husky** [YLC16]. **Huss** [Ano96a, Ano99a, Ano99c, Ano99b, Ano99d, Nag05]. **Huss-Lederman** [Ano96a, Ano99a, Ano99c, Ano99b, Ano99d]. **Hut** [MPZ21]. **Hybrid** [BBG⁺10, BBH⁺06, BB18, CGC⁺11, CNM11, Cha02, DR97, EBB⁺20, GPC⁺17,

HVSC11, IDS16, KS15a, KLR⁺15, KSB⁺20, LLRS02, LRG14, MS02b, MV20, MYK19, NO02b, PZ12, SSB⁺16, VPS17, WT12, YHL11, YPAE09, YTH⁺12, AC07, ADR⁺05, BBG⁺14, CSPM⁺96, FMS15, GÁVRRL17, GKK09, HDZ⁺20, HDB⁺13, JR10, JMS14, KN17, KRG13, KJEM12, LLC13, LLH⁺14, MLAV10, MRRP11, NO02a, Nak05a, Nak05b, PARB14, PHJM11, QM21, SDJ17, SVC⁺11, THDS19, WT11, WYLC12, WLYC12, WT13, YWC11, YW21, ZWL13, ZGZS20, ZWC21]. **hybrid-core** [BBG⁺14]. **Hybridizing** [LSG12]. **Hydra** [DKB20]. **HYDRA_MPI** [PBC⁺01]. **Hydrodynamics** [RBP⁺21]. **hydrographic** [LSB⁺20]. **Hyper** [CSW99, SBT04, TBG⁺02, ZAT⁺07]. **Hyper-Rectangle** [CSW99]. **Hyper-Threading** [SBT04, TBG⁺02, ZAT⁺07]. **hyper.deal** [MKK21]. **hyperbolic** [PGPCK21]. **hypercube** [HS95b, Sur95b]. **Hypercubes** [Ano89, RJMC93, She95]. **Hypercubic** [HP11]. **hyperelastic** [OKW95]. **hypersonic** [BTC⁺17]. **Hyperspectral** [VLO⁺08].

I-SPAN [LHHM96, Li96]. **I-WAY** [FGT96]. **I/O** [Bos96, CFF⁺96, DRUE12, IRU01, IBC⁺10, KLH⁺20, LkLC⁺03, kLCC⁺06, LPJ98, MMD98, MV17, MC18, MGC12, MG15, NFK98, OWO98, PSK08, PLR02, RK01, SBQZ14, SR98, Tha98, Tsu07, WSN99, ZJDW18]. **IASTED** [Ham95a]. **IBM** [AL93, Ano03, BBB⁺94, BGBP01, BR95c, BR95b, Bri95, CE00, CDM93, FHPS94b, FHP⁺94, FHP⁺95, Fra95, FWR⁺95, GL95d, HSMW94, HMKV94, Heb93, JF95, KB98, KAC02, KHS01, KMH⁺14, LC97b, MP95, MW93, MABG96, NMW93, WZWS08, XH96]. **IBM-SP1** [FHPS94b]. **ICA** [IEE96d]. **ICAPP** [Nar95]. **ICCMSE** [SM07]. **ICIP** [IEE94b]. **ICPP** [Agr95a]. **ICS** [RV00]. **ID** [DGG⁺12]. **Idaho** [Str94]. **Ideas** [IEE95d]. **identification** [HPLT99]. **Identifying** [CTBT21]. **identity** [KN17]. **IEEE** [ACM97b, ACM98b, ACM04, ACM05, Bha93, IEE94e, IEE94g, IEE95b, IEE95a, IEE95k, IEE95g, IEE96b, IEE96f, IEE96d, IEE02, Nar95]. **IEEE/ACM** [ACM04]. **IFIP** [Boi97, DR94, PSB⁺94]. **IFS** [AHP01]. **Igniteg** [SBK21]. **Igniteg-GPU** [SBK21]. **Igniting** [ACM03]. **II** [DE91, GE95, HS94, BPS01, BWW⁺12, EM00b, GÁVRRL17, Sta95b]. **III** [BPG94, BP93, DSM94, GE96, Has95, OKW95, SSGF00]. **ILDJIT** [CARB10]. **I'll** [Har94]. **Illumination** [STK08, ZWHS95]. **ILU** [ABF⁺17]. **ILU-preconditioned** [ABF⁺17]. **im** [Gra97]. **Image** [DYN⁺06, FDG19, FLS20, FJBB⁺00, GA96, GPC⁺17, KBA02, KS01, LSZL02, MC18, NJ01, PLR02, RRBL01, WN10, WYZ⁺19, ARL⁺94, ASB18, DZZY94, GDC15, JC96, KKLL11, LK20, RKBA⁺13, SLS96, UH96, Wu99, YULMTS⁺17, YPZC95, YZPC95, dAT17, SBB20]. **Imagery** [GGCM99, GGCGO01, GCGS98, GGGC99]. **Images** [SSB21, Uhl94, Uhl95b, VLO⁺08, NAI99, RTN21]. **Imaging** [NH95, Has95, LM13, Pat93]. **Imbalanced** [Pro21]. **imbalances** [MLVS16]. **IMEC** [ZL17]. **immunodominance** [ZWL⁺17]. **Impact** [ADLL03a, ADLL03b, BRU05, Brü12, TSS00a, WHDB05, DO96, FSV14, SHHC18]. **impacts** [Str94]. **Implement** [GM95, Gro19, PPT96c]. **Implementation** [AB93a, AKL99, BGG⁺15, BGBP01, BPS01, BG95, BHP⁺03, BBS99, Ben01, BP98, BCD⁺15, Bjo95, BJS97, BIC⁺10, BMR02, BRM03, BMS94b, BMG07, BDA⁺18, CGC⁺02, CFMR95, DYN⁺06, DAK98, DWS⁺21, EFR⁺05, ES11, FH97, FD04, FHSO99, FSXZ14, FJBB⁺00, FHPS94a, FHPS94b, FHP⁺94, FLSL98, GBH99, GB98, GBS⁺07, Gro02a, HPP02, HMKG19, HRZ97, HKT⁺12, Huc96, HHA95, HAA⁺11, IBC⁺10, ITT02, IM94, JSS⁺15, JSH⁺05, LSZL02,

LTRA02, LZ97, LWP04, LHCW05, MS02b, MW98, MN91, MT96, MRH⁺96, NSS12, NNON00, OTK15, OLG01, Pan14, PLK⁺04, PS00a, Per21, Pet97, PBK99, PTH⁺01a, PTH⁺01b, PB12, RDMB99, RG18, RSV⁺05, SH94, SBF⁺04, SBG⁺02, Ser97, SCC96, SSC97, SZBS95a, SWJ95, SYF96, Sum12, Sur95a, TOTH99, TBG⁺02, TRH00, TMPJ01, USE94, VT97, WH94, WPC07, YGH⁺14]. **Implementation** [YWO95, ZZG⁺14, ACGdT02, AS92, AAAA16, AAC⁺05, ADLL03a, ADLL03b, AFG21, AB93b, BR91, BvdSvD95, BR95b, Ber96, BBCR99, BK96, BCK⁺09, BS01, BS05, Bor99, BRR99, BS96b, BDV03, Bri95, BB00, BAS13, CDZ⁺98, CEGS07, CG99a, CdGM96, CBHH94, CD96, DS22, DSW96, DS96a, DL10, DBB⁺16, DSOF11, DM12, FFB99, FWNK96, FGT96, FGG⁺98, FCS⁺19, GCC99, GG99, GG09, GÁVRRL17, GL92, GL94, GL96, GLDS96, GL97c, GT07, GkLyCY97, HBT95, HCL05, HWW21, HS95b, ITT99, IvdLH⁺00, JRM⁺94, JC96, KY10, KTF03, KB21, KBVP07, KL95, KVGH11, KNH⁺18, KB13, Lee12, LC07, LYIP19, LO96, MMO⁺16, Man94, MV20, MAIVAH14, MS95, MSZG17, ÓN12, OKW95, OA17, OGM⁺16, PHJM11, PR94a, PGPCK21, PTW99, PCS94, Ram07, RRFH96, Sep93, SZBS95b, SCL97, SBB20]. **implementation** [Sto98, SNMP10, Sur95b, Swa01, SL95, TSCS14, TKP15, TPD15, TS12b, TA14, TCP15, Tsu95, TVV96, VDL⁺15, VGRS16, VM95, Was95a, WMRR17, WRMR19, YPA94, ZLS⁺15, dH94, dIAMCFN12, van93]. **Implementations** [AKK⁺94, Ano01a, ACMR14, AJF16, BM00, BS07, BEG⁺10, DFP⁺19, FB94, Gro02b, kLCC⁺06, LCW⁺03, Mar02, ORA12, Sap97, TSCaM12, TGEM09, VS00, WT12, ZDD97, CLSP07, ER12, ED94, GML⁺16, ICC02, KWEF18, MKP⁺96, NN95, Pri14, RLFdS13, WLK⁺18, WT11, YCL14]. **implemented** [BBDH14, EP96, VLCM⁺20]. **Implementing** [CDT05, DPZ97, Fin94, Fin95, GL95b, HB96a, HB96b, LRT07, MMH98, MS99c, MSB97, SSC96, SS99, SMTW96, SGHL01, SCC95, Tra02a, Wil93, BWT96, LHZ97, YX95]. **Implementor** [GL95b]. **Implicit** [LHCW05, MS02b, NA01, SGHL01, Bjo95, EVMP20, TSP95, WADC99]. **Importance** [BCG⁺10, PCY14]. **Importance-Driven** [PCY14]. **Improve** [KBS04, SKH96, Tha98, ZWLZ21, GK97, HD00a, RHG⁺96]. **Improved** [Trä02b, AFG21, MMO⁺16, XJR21, dIAMCFN12]. **improvements** [DPSD08]. **Improving** [CGZQ13, DZ96, DCPJ12, DCPJ14, GSY⁺13, HE02, IRU01, KLH⁺20, KH12, KW20, KK02b, LB98, MK97, MPZ21, PTG13, RSC⁺15, SM12, SPBR20, SCL00, XF95, CZ96, JKN⁺13]. **Imputation** [Zho21]. **In-depth** [MKP22]. **in-house** [ZLZ⁺11]. **in-kernel** [CZP21]. **In-Memory** [CLOL18, ZL17, CRM14, HSP⁺13, SBK21]. **In-Place** [LTS16, HSE⁺17, PSHL11]. **Including** [BWW⁺12, GLT12]. **Incomplete** [MYL21]. **incompressible** [BCM⁺16, Lou95, RM99, TS12b, TGS⁺20]. **Incorporating** [LM94, LYZ13, TKP15]. **Incremental** [dOSMM⁺16]. **Indefinite** [YKW⁺18]. **Independent** [BCL00, BRU05, BDA⁺18, CSW12, CBS18, CDMS15, DiN96, MV17, YBZL03]. **Index** [DALD18, LAD16]. **Index-Digit** [DALD18, LAD16]. **Indexers** [Wal01a]. **Indexers/Crawler** [Wal01a]. **Indexing** [LTR00]. **India** [CGB⁺10, IEE96a, Kum94, PBPT95]. **indicator** [FSV14]. **Industrial** [BPMN97, DHK97, ALR94, ABCI95a, ABCI95b, BT96, EKTB99, Was96, Kon00]. **industries** [Ano93a]. **Industry** [DM98, Ano94f]. **Industry-Standard** [DM98]. **inefficiency** [HGMW12]. **Inertial** [Str97]. **Infer** [VBB18]. **Inference**

[BBD⁺20, LAdS⁺15, TVCB18].
Inference-Based [BBD⁺20]. **InfiniBand** [LCW⁺03, LVP04, LWP04, PK05, PRS16, SPK⁺12, ZLP17, SWHP05].
InfiniBand-based [PK05]. **inflation** [OdSSP12]. **influence** [Gra97]. **influencing** [KSC⁺19]. **inform** [FGL⁺20]. **Information** [Ano98, CGB⁺10, Ano93c, CG99b, Gro19, IMS16, MMR99, WADC99, PSB⁺94].
infrastructure [GFIS⁺18, WLR05]. **infrastructures** [GWVP⁺14]. **Initial** [LLH⁺14, VDL⁺15, AL96, LSR95].
Initiated [SSB⁺05]. **initiatives** [Sun95]. **initio** [SSGF00, SEC15]. **Injection** [RRAGM97, SAL⁺17]. **Inn** [IEE93c].
Innovation [ACM03]. **Input** [CFF⁺94, YNJS21, CPKG17, LCH⁺22, SHM⁺12, JWB96]. **input-aware** [SHM⁺12].
Input-Output [CFF⁺94]. **Input/output** [JWB96]. **Insight** [IEE02]. **Insights** [FGL⁺20]. **Inspection** [BPMN97, DLLZ19, DLLZ20]. **inspired** [NEM17, TDB00]. **instances** [RBAI17, ZLZ⁺11]. **Institute** [Old02, TG94]. **Instrumentation** [MVY95, Yan94]. **Insurance** [PZ12].
Integer [ASA97, CF01, Ger18, WLC07, ZC10, BHJ96, KVGH11]. **InteGrade** [CC10]. **integral** [HK94]. **Integrals** [FBSN01, NS16]. **Integrate** [GLRS01].
Integrated [CFDL01, DGMS93, HKN⁺01, KSV01, WL96a, DF17, HK10, KW14, VDL⁺15, WWZ⁺96, WL96b, XWZS96].
Integrating [BCLN97, CM98, Fin00, GJP01, KJA⁺93, KAHS96, wL94, STP⁺19, WTF014, TWFO09]. **Integration** [CGC⁺11, CSW97, FD96, FB94, MAIVAH14, Sei99, AL96, CSW99, KB13, RMS⁺18, RBB15, STA20]. **Integrator** [Per99, SP99]. **Integrity** [KQT⁺21]. **Intel** [Ano96c, Ano03, CBIGL19, DSGS17, GDS⁺20, MP95, MKP22, OTK15, URKG12, VDL⁺15, YSMA⁺17]. **Intelligence** [BPG94]. **intelligent** [IEE95a, ZWZ⁺95].

Intel(R) [TBG⁺02, MMDA19, SBT04]. **INtensities** [ARYT17]. **Intensive** [LBB⁺21, Rei01, BFLL99, BKML95, LSM⁺18, SL94a]. **Inter** [KFL05, LAFA15, FKLB08, LFL11, RS19, SDB⁺16].
Inter-Atomic [LAFA15]. **Inter-Node** [KFL05, FKLB08, LFL11, RS19]. **inter-workgroup** [SDB⁺16]. **Interaction** [DMMV97, GFV99, NSLV16, Sou01].
interactions [PARB14]. **Interactive** [Coo95b, KPK13, KA13, NE98, RTRG⁺07, STK08, Coo95a, IJM⁺05]. **Intercommunication** [TMP16].
Interconnect [Brü12, SJ02, BWT96, SWS⁺12, TBD96].
Interconnected [Hus00]. **Interconnecting** [MC98]. **Interconnection** [MANR09, SB95, AVA⁺16]. **Interconnects** [AJC⁺20, RA09]. **Interface** [Ano93d, Ano01b, BCFK99, BC19a, BDH⁺97, CHD07, Cer99, CGH94, CDND11, DFKS01, DHHW92, DHHW93a, DBK⁺09, FKKC96, FSLS98, Gle93, GLS94, GL95c, GLDS96, GLT00b, HDB⁺12, HRSA97, KSJ95, KGRD10, KKDV03, KKD04, LKD08, LkLC⁺03, LW97, MPI98a, MPI98b, MS98, MSS98, MBES94, MMSW02, MTWD06, PS01b, RWD09, SSL97, TDB00, TW01, TBD12, WD96, Wer95, YHGL01, Ada98, AD98, Ano93e, Ano94d, BBB⁺94, BBCR99, Bru95, BDW97, BK00, BR94, CFKL00, CFF⁺96, CD01, CG99b, DKD05, DBB⁺16, DS96b, DLM99, DKP00, DLO03, EYP⁺20, GRW⁺19, HPY⁺93, HHK⁺19, HRR⁺11, IMS16, JKN22, KOB01, KSJ96, KBHA94, Kra02, NS91, Pie94, PR94a, RMS⁺18, SL94a, SWJ95, SDV⁺95, VM95, Wal94a, Wal94b, ZWL13, ZKRA14, AMHC11, BC14, BBH⁺06, BRU05, BDH⁺95, Cot04, DKD08, DiN96].
Interface [FKS96, FGT96, FGG⁺98, GGHL⁺96, GLT99, GLS99, GLT00a, GL04, Han98, IBC⁺10, KTF03, KKD05, LK10, MSL96, RRFH96, SWHP05, SLG95, SWL⁺01,

TGT05, YGH⁺¹⁴, Ano95c, Ano00a, Ano00b]. **InterfaceArchitecture** [Sei99]. **Interfaces** [LBB⁺²¹, MGC12, Wit16, FCS⁺¹⁹, RJDH14, Trä12a, THMH21]. **Interfacing** [Lus00, PL96]. **interference** [ZJDW18]. **Intergroup** [KTAB⁺¹⁹]. **Intermediate** [SML17, SML19]. **internal** [BBH⁺¹⁵]. **International** [ACM94, ACM96b, ANS95, Abr96, ATC94, AGH⁺⁹⁵, Ano93a, Ano94a, Ano94e, BPG94, Bos96, BFMR96, Cha05, CZG⁺⁰⁸, CGKM11, CMMR12, CGB⁺¹⁰, CH96, DSM94, DW94, EV01, EdS08, ERS95, ERS96, EJL92, Gat95, GA96, GT94, Ham95a, HAM95b, HS95a, HS94, Hol12, IEE93c, IEE93b, IEE94d, IEE94g, IEE95b, IEE95c, IEE95a, IEE95k, IEE95i, IEE95f, IEE95l, IEE96a, IEE96f, IEE96e, IEE96d, IEE97b, IEE97c, IEE05, Kum94, LCK11, LF^{+93a}, Lev95, LHHM96, Li96, MMH93, MCdS⁺⁰⁸, MdSC09, Nar95, Ost94, PW95, PBG⁺⁹⁵, PBPT95, Ree96, R⁺⁹², SHM⁺¹⁰, Sie94, Sil96, SM07, Tou96, VW92, Vol93, Vos03, Was96, YH96, ACM97a, AH95, BS94, DMW96, FR95, GH94, HJB⁺²¹, JPTE94, LCHS96, Mal95, RV00, ZL96, Ano93b, HHK94, Sch93]. **Internet** [NE98]. **Interoperabilität** [GBR97]. **Interoperability** [BoFBW00, Don06, PLR02, SIC⁺¹⁹, CPM⁺¹⁸, GBR97]. **Interoperable** [Rab98, MSL12, YBMCB14]. **Interoperation** [FDG97a, FDG97b, FLD98]. **Interpolants** [RB01]. **Interpolation** [CWL⁺²⁰, BAS13]. **interposition** [GSM⁺⁰⁰]. **Interpretative** [MKW11]. **Interpreted** [FSSD17]. **Interpretive** [CNC10]. **interprocess** [SC95]. **interprocessor** [DS96b]. **interrupts** [CXB⁺¹², SH96]. **Intervals** [MDM17]. **Intra** [KLH⁺²⁰, GM13, VSW⁺¹³]. **Intra-Node** [KLH⁺²⁰, GM13]. **intra-warp** [VSW⁺¹³]. **intrinsics** [Stp18]. **Introducción** [VP00]. **Introducing** [JKM⁺¹⁷, TBS12]. **Introduction** [Ano96b, AM07, Che10, Cze16, DOSW95, GSA08, HW11, Mar02, Mat00b, SK10, GT19, VP00]. **Intrusive** [SdR⁺²¹]. **Invariant** [BBD⁺²⁰]. **Invasive** [URKG12]. **inventory** [OHG19]. **Inverse** [Huc96, BV99, GGC⁺⁰⁷, GG09, Wan02]. **Inverses** [MYL21]. **Inversion** [ACMR14, Kan12]. **Investigating** [GMdMBD⁺⁰⁷, Ros13]. **investigation** [PHW⁺¹³]. **Invisible** [Wis97]. **Invited** [Gei93a]. **IO** [AHP01, BIC⁺¹⁰, CGC⁺⁰², CFF⁺⁹⁶, DL10, FGRD01, FWNK96, FLS98, LRT07, LGG16, PSK08, PTH^{+01a}, PTH^{+01b}, SW12, Sto98, TGL02, ZT04]. **IO/GPFS** [PTH^{+01a}]. **IOMMU** [YWCF15]. **IOV** [YWCF15, ZLP17]. **IP** [CCA00]. **IPCC** [SC95]. **IPPS** [IEE96e]. **IR** [SSH⁺¹⁹, ZJDW18]. **Ireland** [LKD08]. **IRREGULAR** [FR95, BMR01, Cza02, Cza03, BL99, HASnP00, HY20, LOHA01, MR96, NP12]. **irregularly** [FR95, Smi93b]. **ISA** [Wit16]. **ISBN** [Che10, SD13]. **ISBN-13** [Che10]. **ISCA** [Ano94e, YH96]. **Ischia** [ACM06b]. **iScore** [RJH⁺²⁰]. **Iserver** [SHH94a, SHH94b]. **Iserver-Occam** [SHH94a, SHH94b]. **Ising** [AL93, KO14]. **island** [JPL22]. **Isolating** [Lus00]. **Isosurface** [PCY14]. **ISPAN** [HHK94]. **Israel** [DSM94, IEE96h]. **Israeli** [IEE96h]. **ISSAC** [Lev95]. **ISSTA** [Ost94]. **Issue** [AM07, BDB⁺¹³, BC00, GSA08, MPI98a, MPI98b, SBG20, BC19a, CHD09, DKD07, GT19, Mar02, Old02, TH20]. **Issues** [BDT08, FD02a, KGK⁺⁰³, MW98, Pan95b, PRQ21, PS01b, ZDD97, ARvW03, EGH99, FD02b, HHA95, PBK99]. **Italy** [CMMR12, CH96, DKD05, DKD07, D⁺⁹⁵, DLO03, HS95a, IEE95h, KG93, OL05, ACM06b, Ano93b, CLM⁺⁹⁵, DR94, Sil96]. **Iteration** [BAC20, HF14a, HF14b, OHG19]. **Iteration-fusing** [BAC20]. **iterations** [Lou95, YST08]. **Iterative** [CCSM97, DK06, NO02b, Nak03, SC04, ADDR95, EDSV09, LSR95, MGG05, NO02a,

- Nak05a, Nak05b, OMK09, dH94]. **Ithaca** [PBG⁺95, Ree96]. **IV** [SPH95]. **IWOMP** [CZG⁺08, CGKM11, CMMR12, EdS08, MCdS⁺08, MdSC09, SHM⁺10]. **IWPP** [Kum94, PBPT95]. **IWPP-94** [Kum94, PBPT95]. **IWWP** [Kum94]. **IX** [R⁺92].
- Jack** [Ano95b, Ano96a, Ano99a, Ano99b, Nag05, NMC95]. **Jacobi** [BBDH14, CGU12, LM99]. **JaMP** [KBVP07]. **January** [ERS96, GE96, HS94, IEE95h, IEE96g, MMH93, USE95]. **Janus** [GJP01]. **Japan** [SHM⁺10, SPE95, HHK94, IFI95]. **Jason** [Che10]. **Java** [ACM98a, Ano97, BCFK99, BDY99, Bra97, BK00, BKO00, CGJ⁺00, CFKL00, CLL03, DeP03, Fer98b, Fer98a, GGS99, KOB01, KBVP07, LRW01, MSS98, MG97, NE98, RAS16, SMS00, SZ99, TDB00, VGRS16, VGS14, WN10, WCS99, YC98, YHGL01]. **Java-based** [WCS99]. **Java-MPI** [GGS99]. **Java/CORBA** [LRW01]. **JavaNOW** [TDB00]. **Jaypee** [CGB⁺10]. **Jeff** [Stp02]. **Jersey** [Bha93]. **Jerusalem** [DSM94]. **Jiang** [Ano95b, NMC95]. **JMI** [GDEBC20]. **Job** [KSC⁺19, NSS12, PS19b]. **Jobs** [GSHL02, OPM06, WDR⁺19, ZA14]. **Join** [BGD12, LTRA02, SML17, BMS⁺17, SML19, She95]. **Joint** [GT94, Ano03, YHGL01, Ano93c]. **JOMP** [BK00]. **Jose** [ACM97b, GE95, GE96]. **JPEG** [CLBS17, NU05]. **JPT** [BDY99]. **JPVM** [Fer98b, Fer98a, LGCH99]. **Jr** [ACM99]. **Juggler** [BLVB18]. **Julia** [Cre16]. **July** [ACM95b, ACM97a, Boi97, EV01, GA96, Has95, IEE93c, IEE96i, Lev95, PW95, TG94]. **Jumpshot** [ZLGS99]. **June** [ACM90, Ano94f, B⁺05, BG91, CZG⁺08, CGKM11, CMMR12, DSZ94, DW94, D⁺95, IEE94e, IEE95c, IEE95i, IEE96d, IEE96h, KG93, LHHM96, Li96, MCdS⁺08, MdSC09, R⁺92, SL94a, SHM⁺10, TG94, Vos03]. **Jupiter** [Str94]. **Just** [FKLB08, FSSD17, KFL05, FK94]. **Just-In-Time** [FSSD17, FKL08]. **JVMPI** [DeP03].
- k-ary** [Pan95a]. **K20** [MYL21]. **Kalman** [BY12]. **Kanazawa** [HHK94]. **Kandrot** [Che10]. **Karlsruhe** [Cal94, Sch93]. **Karlsruher** [Reu01]. **Katsevich** [DYN⁺06]. **Kaufmann** [SD13]. **KBLAS** [AKL16]. **Keele** [Ano93c]. **KENO** [RP95]. **KENO-Va** [RP95]. **Kernel** [CKmWH16, CFDL01, EBKG01, HKT⁺12, MBBD13, PWP⁺16, STA20, SNN⁺19, TY14, CZP21, FMFM15, GM13, MMW96, PSB⁺19, RJH⁺20, SAP16, YBZL03, AKL99, PSH⁺20]. **Kernel-assisted** [MBBD13, GM13]. **Kernel-based** [CKmWH16, TY14]. **kernel-independent** [YBZL03]. **Kernel-Level** [HKT⁺12]. **Kernels** [BCD⁺15, CTBT21, KI17, KAC02, LCY19, Pet01, Ros13, SNN⁺20, SSB⁺17, VZT⁺19, WQKH20, ARS89, BCD⁺12, FSV14, FVLS15, FFM11, KKM15, LCH⁺22, MH21, PTG13, PGS⁺13, PSH⁺20, TBB12]. **Kerr** [Kha13]. **key** [LF⁺93a]. **kind** [SP11]. **Kinect** [KPK13]. **kinetic** [JL18]. **Kinetics** [LD01, BTC⁺17]. **King** [ACM99]. **Kingdom** [Boi97]. **Kirchhoff** [SSS99]. **Klagenfurt** [Bos96]. **Knapsack** [ICC02]. **KNEM** [GM13]. **Knights** [GDS⁺20]. **KNN** [MPZ21]. **knowledge** [FNSW99]. **knowledge-based** [FNSW99]. **Knoxville** [PR94b]. **Kohr** [Stp02]. **Kokkos** [EVMP20]. **Kolmogorov** [Str97]. **KOP3D** [KR09]. **Koppelrandkommunikation** [Gra97]. **Kpi** [EML00]. **KPN2GPU** [BK11]. **KPP** [AC17]. **Kremlin** [GJLT11]. **Kronecker** [LNW⁺12]. **KSIX** [AUR01]. **KSR1** [BL94]. **KU** [IM94]. **Kungl** [Eng00]. **Kyoto** [IFI95, SPE95, IFI95].
- L** [AAC⁺05, BGH⁺05, EFR⁺05, MSW⁺05].

LA-MPI [YSP⁺05]. **Lab** [Str94]. **Label** [ABG20]. **Labeling** [PPJ01, KRKS11]. **labelling** [HLP10]. **laboratory** [JY95]. **LABS** [RRJ⁺20]. **Lafayette** [EV01, EdS08]. **Lagrangian** [CT94a, CT94b, RSV⁺05, TC94]. **Lahey** [Ano98]. **Lake** [Hol12]. **LAM** [OF00, RšT06, SSB⁺05, Squ03, Swa01, ZWZ05]. **LAM/MPI** [OF00, RšT06, SSB⁺05, Squ03, ZWZ05]. **lambda** [PQ07]. **lambda-calculus** [PQ07]. **LAMGAC** [MSOGR01, MS02a]. **Lampport** [TPLY18]. **LAN** [CCU95, CDH⁺95, MSOGR01, MTSS94, TSZC94, ZGC94]. **LAN-based** [TSZC94]. **LAN-Message** [MTSS94]. **Lanczos** [GP95, Sch96a, Sch96b]. **Landing** [dCZG06, GDS⁺20]. **Landsat** [GGCM99, GCGS98]. **Landsat-TM** [GGCM99, GCGS98]. **Lane** [HHC⁺18]. **Language** [ACM96a, NM95, PD98, Stp18, TA14, WLR05, Ben95, CGK11, Hos12, Nob08, RKBA⁺13, Röh00, Stp20]. **Language-based** [Stp18, Stp20]. **Languages** [CFF⁺94, FMSG17, FSSD17, CH96, Mar05, Olu14, SWS⁺12, PBG⁺95, SS96]. **LANs** [Fin97]. **LAPACK** [Add01, ARvW03]. **LaPerm** [WRSY16]. **LAPI** [BGBP01]. **Laplace** [ACMR14]. **Large** [AKE00, BHW⁺17, BKK20, BZ97, BJS99, BHNW01, CGC⁺11, CBB⁺20, DALD18, FFP03, HC17, Huc96, JFGRF12, LLY93, MKC⁺12, MFPP03, PCY14, Rót19, RGB⁺18, SGJ⁺03, SM03, SvL99, TGEM09, WMC⁺18, WT12, ZWJK05, AASB08, AMS94, AMC⁺19, BCA⁺06, BA06, BCH⁺08, Che99, CCHW03, DZZY94, FME⁺12, GG99, IPG⁺18, IM95, JLS⁺14, KEGM10, Kos95b, KA95, LS10, MLA⁺14, NWT21, NFG⁺10, PTL⁺16, PGPCCK21, PD11, RMNM⁺12, SIC⁺19, SC96a, TBB12, TOC18, WT11, WT13, ZWL13, ZA14]. **large-message** [AMC⁺19]. **Large-Scale** [AKE00, BHW⁺17, BZ97, CBB⁺20, FFP03, HC17, MFPP03, SM03, WMC⁺18, WT12, BKK20, BJS99, SvL99, AASB08, BCH⁺08, Che99, FME⁺12, IPG⁺18, LS10, MLA⁺14, NWT21, PD11, RMNM⁺12, SIC⁺19, WT11, WT13, ZA14]. **large-sized** [JLS⁺14]. **Larger** [NB96]. **LargeScale** [LAdS⁺15]. **laser** [EZBA16, WWZ⁺96]. **LASs** [VLCM⁺20]. **Lastverteilung** [Wil94]. **Latency** [Jes93a, Jon96, KBHA94, NCB⁺12, NCB⁺17, TBD96]. **latency-tolerant** [NCB⁺12, NCB⁺17]. **Lattice** [BBK⁺94, BMS94b, HLP11, SJK⁺17a, SJK⁺17b, BW12, BMS94a, CGK⁺16, GM18, Sai10, STA20, SVC⁺11, BLPP13, OTK15]. **launches** [Ano03]. **Layer** [CSAGR98, HEH98, FKK96a, PTT94, RS21, dlAMC11, dlAMCFN12]. **Layered** [Taf21, DiN96]. **Layering** [Hus01]. **Layers** [VZT⁺19, KC94]. **Layout** [WG17, BGH⁺05, HP11, LDJK13, Str12]. **Lazy** [TCBV10]. **Leaks** [DLV16]. **Learned** [GKPS97, MWO95]. **Learning** [AHHP17, AJC⁺20, GDS⁺20, Gro01b, TWLL19, ZJHS20, ZLWW20, AMC⁺19, FE17a, FE17b, KWEF18, LSSZ15, NWT21, SEC15, TWFO09, WO09, WTFO14]. **learning-based** [FE17a, FE17b]. **Least** [PWP⁺16, VRS00, DK13]. **Least-Squares** [VRS00]. **Lecture** [Gei93a]. **Lederman** [Ano96a, Ano99a, Ano99c, Ano99b, Ano99d, Nag05]. **Leeds** [Abr96]. **legacy** [BR04, LP00, LRW01]. **Legio** [RGP22]. **Lemon** [DRUE12]. **Length** [FLS20]. **Lengths** [GSHL02]. **LEO** [CCBPGA15]. **Leonardo** [Stp02]. **Lessons** [MWO95]. **Level** [AELGE16, BGG⁺15, BBC⁺00, CS14, CRGM14, DHHW92, DHHW93a, DDL00, GS91b, GAM⁺02, HA11, HKT⁺12, DK02, KCP⁺94b, KOW97, LVP04, LMRG14, NPP⁺00c, SHM⁺10, SBF⁺04, TS12a, TW01, XF95, BMPS03, CAWL17, CRM14, CRGM16, EPP⁺17, GGS99, HE15, HK09, Hos12, KCP⁺94a, LRG⁺16, wL94, LCY19, LCMG17, LBB⁺19, LM13, MALM95, NS91,

Nak05b, RBW⁺²⁰, STY99, SCL97, SG14, SFLD15, WDR⁺¹⁹, YZ14, ZWZ05, ZZZ⁺¹⁵, BBH...13a]. **levels** [AML⁺⁹⁹]. **Leveraging** [BBW19, HDB⁺¹², NPP^{+00c}, SHLM14, BPJ22, LFL11]. **LFIB4** [Stp20]. **LIB** [NPP^{+00d}]. **libefp** [KS15a]. **libOMP** [BGD12]. **Libraries** [BHLS⁺⁹⁵, BWV⁺¹², CGZQ13, DARG13, GFD05, IEE94f, IEE95j, MLGW18, MM14, ARvW03, BCM11, BfDA94, CRD99, DWS⁺²¹, GS94, PS07, Skj93, SDB94, SSG95, DHK97]. **Library** [AKL16, Ada97, BS21, Boo01, BLW98, CBB⁺²⁰, CBB⁺²¹, Co095b, DHP97, EM02, FHK01, For95, GFB⁺⁰³, GSI97, Gro02a, HB96b, ITKT00, JPT14, KBG16, MKK21, OD01, PLK⁺⁰⁴, PS01a, RR02, R0t19, Saa94, SBG⁺⁰², Sta95b, SKH96, TD98, UTY02, WN10, YKLD17, ZC10, Ada98, AMHC11, Arn95, CSS95, CGG10, CCS19, Co095a, DRUE12, DXB96, FB97, Fan98, FKK^{+96b}, GDC15, G019, GLM⁺⁰⁸, GL94, HB96a, HLM⁺¹⁷, Har94, Har95, JKM⁺¹⁷, JC96, KS15a, KN95, LR06a, MSL96, PKB06, PS00b, RFH⁺⁹⁵, SSC96, SH96, TK19, VLCM⁺²⁰, ZT17, CC95, McD96, Sum12]. **Life** [PZ12, Str94]. **Lifting** [vdLJR11]. **light** [LK20]. **Lightweight** [CKmWH16, DT17, FLB⁺⁰⁵, KMK16, SWCB20, TCM18, FS95, HWW21, Ott93]. **Like** [BST⁺¹³, BK00, BKO00, CGJ⁺⁰⁰, HY20, KOB01, TSEE21, VGS14, CSS95]. **Likelihood** [TSN21]. **Likelihoods** [MSCW95]. **LIME** [DRUE12]. **Limits** [GB96, MBKM12]. **LINDA** [KS96, MSP93, BLP93, CSS95, Gal97, Mat94, Mat95, TDB00]. **Linda-like** [CSS95]. **Line** [BoFBW00, CGS15, Wis98, Bor99]. **Linear** [ASA97, BDT08, BG95, CDD⁺¹³, DGH⁺¹⁹, Gao03, Huc96, LLY93, LZ97, MB18, MGMH97, MSB97, YKW⁺¹⁸, ZTD19, van97, BSN95, BAC20, BKvH⁺¹⁴, BAV08, BRR99, CEGS07, DR18, Gra09, GFPG12, Jou94, LSB⁺²⁰, LRLG19, MW98, MM11, OKW95, SCC96, SMSW06, VLCM⁺²⁰, dCH93, dH94]. **Linear-scaling** [Gao03]. **linearization** [MH18]. **Lines** [NE01, YULMTS⁺¹⁷]. **Link** [BGR97b, SJ02]. **Linked** [WJ12]. **Linköping** [FF95]. **LINPACK** [JNL⁺¹⁵]. **Linux** [Sei99, USE00, SSSS97, Ano01a, GSN⁺⁰¹, MK04, OF00, PS07, PKB01, Rst06, Sei99, SMTW96, Slo05, SGL⁺⁰⁰, YL09]. **Linz** [Kra02]. **lipid** [FHSO99]. **Liquid** [DSS00, JLS⁺¹⁴, ZL18]. **Lisbon** [IEE93d]. **LISP** [ACM90]. **List** [Tra98, WJ12]. **Lithe** [PHA10]. **Lithography** [RDMB99]. **Liverpool** [AD98]. **LLVM** [SML17, SML19]. **Load** [Ano94b, BKdSH01, BS05, DI02, DR95, DK06, GCBL12, HE02, KSB⁺²⁰, MM02, NP94, PT01, Pus95, SGS95, ST97, Wal01a, Bir94, CKO⁺⁹⁴, DZ96, DLR94, DvdLVS94, EZBA16, FMBM96, FH97, GS96, Hum95, JH97, MM03, SCL97, SY95, Wil94]. **load-balanced** [EZBA16]. **Local** [BSG00, CDHL95, CCSM97, IKM⁺⁰¹, LBB⁺¹⁹, AMHC11, BY12, CGL⁺⁹³, FSV14, IKM⁺⁰², LHD⁺⁹⁴, LHD⁺⁹⁵, PHM⁺²², RRJ⁺²⁰]. **Locality** [AAB⁺¹⁶, MJB15, TPK⁺¹⁹, ZLP17, BHRS08, CMZ99, HJYC10, KW20, RKBA⁺¹³, WRSY16]. **Locality-Aware** [AAB⁺¹⁶, MJB15, HJYC10]. **localization** [HC08]. **Localized** [DDN⁺²²]. **Locally** [BHS⁺⁰²]. **Locating** [PNV01]. **Lock** [ALB⁺¹⁸]. **Lockheed** [Str94]. **Locking** [kL11, CAWL17, PGK⁺¹⁰]. **Log** [DDN⁺²²]. **Logging** [BCH⁺⁰³, DDN⁺²², LBB⁺¹⁹]. **Logic** [KI17, BJ95, KMC96, KMC97, POL99]. **Logical** [SR98, TPLY18]. **LogP** [CKP⁺⁹³]. **London** [EJL92, Ano93h, Ano94f]. **long** [dFdOSR⁺¹⁹, ZCBD22]. **Longest** [Per21]. **Look** [HCZ16]. **lookup** [BJ13]. **Loop** [DMB16, HC17, SHM⁺¹⁰, TJPf12, AV18, SHLM14, WYLC12, WLYC12, YST08, YWC11]. **Loops** [AHD12, CLA⁺¹⁹, COE20, DSCL05, HH22, LOHA01, RRJ⁺²⁰]. **Loosely** [Ada97]. **Lop**

[RGDML16, RGDM15]. **Louisiana** [USE95, IEE96b]. **Love** [Dan12]. **Love-Hate** [Dan12]. **Low** [BGG⁺15, FLS20, GGS99, Jon96, MC17, NE01, RLL01, SM19, Str94, GK97, KBHA94, LZHY19, TBD96, ZRQA11]. **Low-Bandwidth** [NE01]. **Low-Cost** [FLS20, RLL01, GK97]. **Low-Density** [MC17]. **Low-Level** [BGG⁺15, GGS99]. **Low-life** [Str94]. **low-overhead** [ZRQA11]. **Low-power** [SM19]. **LPN** [TSCS14]. **LPVM** [ZG98]. **LSS** [BCAD06, BADC07]. **LU** [AZ95, BRS92, BB18, LC97b]. **Lugano** [GT94]. **Luminous** [KNT02]. **Lumsdaine** [Ano99c, Ano99d]. **Lusk** [Ano95c, Ano99c, Ano99d, Ano00a, Ano00b]. **Lustre** [DL10]. **Luther** [ACM99]. **Lyngby** [DW94, DMW96, Was96]. **Lyon** [BFMR96, FR95].

M [PBC⁺01]. **M-SPH** [PBC⁺01]. **M2L** [KKB⁺21]. **M6A** [EM00a]. **M6B** [EM00b]. **MA** [Ano95b, Ano95c, Ano96a, Ano99a, Ano99c, Ano99b, Ano99d, Ano00a, Ano00b]. **Machine** [AS92, AGIS94, BJ93, BS93, CHD07, D⁺91, FE17a, FE17b, Fis01, GBD⁺94, Gre94, JCP⁺20, KNT02, KKDV03, KKD04, LKD08, MTWD06, Nov95, NMC95, Pat93, Per96, RWD09, TY14, VS00, Wel94, AD98, AL92, Ano95b, BR91, BDG⁺91a, BPC94, Bir94, BDLS96, BDW97, CARB10, CLM⁺95, Cav93, Cha96, Che99, CD01, CC00b, DM93, DKD05, DLM99, DKP00, DLO03, FM90, KWEF18, KMC97, KSS⁺18, Kra02, LG93, MN91, MRH⁺96, NB96, Sch94, SK92, SCC96, SL00, TVCB18, TW12, TWFO09, WO09, WTFO14, ARL⁺94, BG94b, JPP95, KKD05, LK10, QRG95, SSSS96]. **machine-learning** [TWFO09]. **machine-learning-based** [WTFO14]. **Machines** [BP99, BZ97, BCC⁺00a, BT01b, CDT05, DR97, EGR15, GB96, GTS⁺15, HC10, MGL⁺17, STY99, SCSL12, ZWJK05, BCA⁺06, BSC99, BCC⁺00b, BBW19, BB95b, DDS⁺94, DCH02, GKZ12, Hol95, KN95, PRS16, RJH⁺20, SL94b, TSY99, TSY00, WPL95, ZWL13, Gei01, YC98]. **made** [MJPB16]. **MAFFT** [ZLS⁺15]. **Magnetic** [Y⁺93, PKE⁺10]. **Magnetism** [Y⁺93]. **magnetized** [CFF19]. **Magnetohydrodynamic** [KT02, WWFT11]. **magnetohydrodynamics** [ZT20]. **Magnetostatic** [BB93]. **MagPIe** [KHB⁺99]. **Main** [Tou96]. **Maintaining** [PKB01]. **maintenance** [ZDR04, ZDR01]. **major** [WLK⁺18]. **Makes** [ZG95b, Str94]. **Malleable** [EDSV09, MSMC15]. **Mambo** [WZWS08]. **Man** [IEE95a]. **Manageable** [PKB01]. **Managed** [KCR⁺17, LB16, SYR⁺09]. **Management** [AJ97, ALB⁺18, AUR01, BGR97b, BGL00, CVPS19, EK97, FDG97a, FDG97b, GJR09, PPT96a, PS00a, SIS17, STY99, THS⁺15, ARS89, DZ96, DF17, FLD96, GJMM18, GL95a, JCP15, LF⁺93a, PPT96b, PPT96c, YWTC15]. **manager** [Sep93, SSD⁺20]. **managers** [FLD96]. **Managing** [FLD98, FGKT97, Liv00, NPS12, Obe96]. **Manchek** [Ano95b, NMC95]. **Mangrove** [BBD⁺20]. **Manipulation** [KKV01]. **Mantle** [BB95b]. **Manual** [CSW12, NSLV16, Reu01]. **Many** [DT17, LZH17, LLCD15, RB01, SXXM⁺18, TCM18, YTH⁺12, ACMZR11, AV18, BBC⁺19, VDL⁺15, dCZG06]. **Many-Accelerator** [SXXM⁺18]. **Many-Core** [LZH17, TCM18, YTH⁺12, LLCD15, ACMZR11, AV18, BBC⁺19, KSG13, MBBD13, dCZG06]. **Many-Cores** [DT17]. **Manycore** [MJB15, CdOO⁺20, DJJ⁺19, KGB⁺09]. **Map** [JPT14, FFM11, FJBB⁺00, MSCW95]. **MAPA** [JJPL17]. **Maple** [Pet00a, Pet00b, Pet01]. **Mapping** [BB18, DDP⁺19, FDG19, GAMR00, HC06, NTR16, RRBL01, SPB⁺17, Taf21, TSZC94,

WO09, ASAK19, DDLM95, EO15, GFIS⁺18, HC08, TWFO09, WCS⁺13, WTFO14, WK08a, WK08c, dCZG06, WK08b]. **MapReduce** [EADT19, GGZ⁺20, JS13, MMM13, PD11, WZHZ16]. **Maps** [BM97, KRC17]. **Marc** [Ano96a, Ano99a, Ano99c, Ano99b, Ano99d, Nag05]. **March** [ACM95a, ACM06a, Ano89, Ano93c, Cal94, DKM⁺92, IEE93f, IEE94d, IEE95b, IEE97a]. **Marine** [LLRS02]. **market** [LF⁺93a]. **Markov** [BBH12, FK01]. **Marlioz** [GA96]. **Marsa** [Stp20]. **Marsa-LFIB4** [Stp20]. **marshaling** [CFKL00]. **MARTE** [RGD13]. **Martin** [ACM99]. **Maryland** [IEE96c, SPH95]. **MASA** [dFdOSR⁺19, SMM⁺16]. **MASA-OpenCL** [dFdOSR⁺19]. **MasPar** [ARL⁺94]. **Massachusetts** [IEE94e]. **masses** [Cla98]. **Massive** [Sie92a, MALM95, OLG⁺16]. **Massively** [BJ93, BHS18, BBH12, DSZ94, IEE94a, IEE96c, KHBS19, KmWH10, LPJ98, Oed93, Sie92b, Sta95b, CS96, DR94, HVSC11, KN17, KB21, LCL⁺12, MYB16, RBB17, SRK⁺12, DSZ94]. **massively-parallel** [MYB16]. **Master** [FH98, EML00, LTR00, HP05]. **master-slave** [HP05]. **Master-Workerproblem** [FH98]. **Master/Slave** [LTR00]. **Master/Worker** [EML00]. **Matching** [GGC⁺07, KMM15, KS01, MM02, OWSA95, WH94, FLPG18, FGL⁺20, GMA20, LFS⁺19, MM03, Qu95, YPZC95, YZPC95]. **Materials** [STH22, Y⁺93, PSV19, SSP⁺94]. **Mathematical** [Per21, VZT⁺19, Wan97, Has95]. **Mathematics** [Whi04, ANS95]. **MATLAB** [BKGS02, RBC20, Whi04, Ano97, Bra97, ZZG⁺14]. **MATLAB-MPI** [BKGS02]. **MatlabMPI** [KA04, Kep05]. **Matloff** [Edd18]. **MATOG** [WG17]. **matrices** [DR18, GG99, GSMK17, Kan12]. **Matrix** [AKL16, BSvdG91, Cha96, DS13, DK20, Fuj08, GK10, KF16, KK19, MKK21, PMvdG⁺13, TQDL01, TD98, ART17, CMH99, ER12, FAF16, FJZ⁺14, KBP16, MPS20, PKD95, TPD15, XXL13]. **Matrix-Free** [DK20, KK19, MKK21]. **Matrix-Vector** [AKL16, DS13, Fuj08, XXL13]. **matting** [WLYL20]. **Maui** [ACM97a]. **Max** [Ano94c]. **Max-Planck-Gesellschaft** [Ano94c]. **Maximal** [BDA⁺18]. **maximisation** [CCU95]. **Maximizing** [PIR⁺20]. **Maximum** [TSN21, HKOO11]. **Maxwell** [And98, ILLmH⁺21]. **May** [ACM96b, ACM06b, AGH⁺95, BR95a, BS94, Cha05, DT94, EdS08, Gat95, HS95a, IEE95e, IEE95d, IEE95i, PR94b, RV00, SPE95, SW91, SS96, Van95]. **Maydan** [Stp02]. **MBCF** [MMH99]. **MCA** [WCS⁺13]. **McDonald** [Stp02]. **MCHF** [SYF96]. **McLean** [IEE94a, Sie92a, Sie92b]. **MCNP** [MW93, McK94, WH96]. **MD** [IEE02, TMPJ01]. **mdb** [DKF94a]. **MDE** [RGD13]. **Means** [TK16]. **Measurement** [BFBW01, BFIM99, KRS99, Shi94, TMC09]. **Measurements** [IHvA⁺00, EFR⁺05, GL99]. **MECCA** [AC17]. **mechanics** [Bil95, MGG05, SL95]. **Mechanism** [CGLD01, KSV01, MH01, THS⁺15, TSS00b, Tra02a, HWX⁺13, SIRP17, ZRQA11, ZA14]. **Mechanisms** [Wal01a, CGBS⁺15, Ott93, TMTP96]. **Mechatronic** [KDL⁺95b, KDL⁺95a]. **mEDA** [VAT95]. **mEDA-2** [VAT95]. **media** [EZBA16, MAIVAH14]. **Medical** [WYZ⁺19, RTN21]. **Medicine** [GA96]. **MEDINA** [AC17]. **Medium** [CWL⁺20, WLNL06]. **medium-scale** [WLNL06]. **Meeting** [AD98, Ano93f, CHD07, CD01, CDND11, DKD05, DLM99, DKP00, DLO03, GA96, KGRD10, Kra02, KKD04, LKD08, MC94, MTWD06, RWD09, TBD12, BDW97, JB96, SPH95, Ano92, CHD09]. **megabase** [SdM10]. **Meiko** [FST98a, FST98b, Jon96]. **Melia** [WZHZ16]. **Mellon** [IEE94d].

Membership [BMS19, MDM17].
membrane [FHSO99]. **Memory**
 [ADGA20, Att96, BME02, BWW⁺12, Bri10, BdS07, BT01b, CVPS19, CDT05, CLOL18, CLA⁺19, CSW97, CC99, DM98, DMB16, DR97, DHHW92, DHHW93a, EADT19, FB94, GGZ⁺20, GCBM97, GB96, GSN⁺01, GSHL02, GLRS01, HC10, HDB⁺12, HDT⁺15, HT01, JJPL17, KB98, KS13, KC19, KSHS01, LSB15, LWKA15, LML⁺19, Luo99, MB12, MRB17, MBE03, MMH98, MCdS⁺08, Mil02, NPP⁺00d, PBK00, Pok96, PMvdG⁺13, Ros13, STY99, ST02b, SW91, Thr99, VS00, VT97, WJA⁺19, ZL17, ZL18, ARS89, ABCI95a, ABCI95b, ADMV05, BCA⁺06, BVML12, BSC99, BMG07, CdOO⁺20, CBPP02, Cha05, CJvdP08, Cha96, CBHH94, CRM14, CC00b, DF17, DLR94, DBVF01, DPFT19, DS96b, DHHW93b, DPZ97, EVMP20, EV01, FSV14, FHB⁺13, GCN⁺10, GBH14, GBH18, GKK09, GL96, GL97c, GP95, GADM20, HSP⁺13, HGMW12, HDB⁺13, HK09].
memory [JC17, JE95, KN95, KSTM20, KJA⁺93, KC06, LKL96, MLC04, NAJ99, NAAL01, OLG⁺16, PK05, PS00b, QM21, RS19, RGDM15, SSH08, SHHI01, SL94b, SBG⁺12, SYR⁺09, SFL⁺94, SSC96, SPL99, SBK21, SD16, SPNB14, TSY99, TSY00, THDS19, TSCS14, Uhl95a, Vos03, Wal94a, Wal94b, WPL95, WK08a, WK08b, WK08c, WK20, WBSC17, WMRR17, WRMR19, YX95, LBD⁺96, GK97, SG05].
Memory-access-aware [CLA⁺19].
Memory-Based [MMH98].
memory-constrained [TSCS14].
Memory-Divergent [WJA⁺19].
Memory-Efficient [GGZ⁺20, MRB17].
memory-level [HK09]. **Memory-Oriented**
 [ZL18]. **Memory/Message** [ST02b].
MemTo [GSN⁺01]. **Menon** [Stp02]. **Mesh**
 [DDP⁺19, HAA⁺11, MRB17, Ran05, BAS13, CLSP07, Cou93, GBR15, HDZ⁺20, IDS16, SWCB20]. **mesh-oriented** [HDZ⁺20].

mesh-particle [BAS13]. **Meshes**
 [MRB17, TPD15]. **Mesosopic** [VT19].
Message
 [Ano93d, AKL99, Att96, BC19a, BZ97, BCH⁺03, BBG⁺99, BBG⁺01, BDH⁺97, BGR97b, BFM97, CHD07, Cer99, CGZQ13, CGH94, Cot97, Cot98, CTK00, CDND11, DFKS01, DDN⁺22, DHHW92, DHHW93a, DDL00, FKKC96, Fos98, FB94, GR07, GB96, Gle93, GLRS01, GLS94, GL95c, GLT00b, Hem94, KGRD10, KS97, KSV01, KKDV03, KKD04, LKD08, Luo99, MPI98a, MPI98b, MP95, MS98, MBES94, MG97, MTWD06, MSS97, NW98, PBK00, Pok96, RC97, RRBL01, RWD09, RFG⁺00, SAL⁺17, ST02b, TBD12, WD96, Wer95, Wis97, YHGL01, ZWL13, ZG95a, ZG96, ZLL⁺12, Ada98, AD98, AAC⁺05, Ano93e, Ano94d, Ano95c, Ano00a, Ano00b, AMC⁺19, BBG⁺14, BL97, BvdSvD95, Bjo95, Bru95, BDW97, BFIM99, CGJ⁺00, CDZ⁺98, CRD99, CD01, CG99b, DKF93, DM93, DKD05, DS96b, DHHW93b, DOSW96, DLM99]. **message**
 [DKP00, DLO03, FGL⁺20, FK94, GMA20, GL92, HP05, HPY⁺93, Hem96, JKN22, KJA⁺93, Kra02, LR06a, LBD⁺96, wL94, LFS⁺19, LCY96, LMM⁺15, LBB⁺19, LC97b, NS91, PS07, PKB06, Pie94, PR94a, PS00b, Sei99, SWJ95, SDV⁺95, SZ99, SSG95, Sti94, TSZC94, VM95, Wal94a, Wal94b, ZKRA14, ZA14, AMHC11, BC14, BBH⁺06, BRU05, BDH⁺95, Cot04, DKD08, DiN96, FKS96, FGT96, FGG⁺98, GGHL⁺96, GLDS96, GLT99, GLS99, GLT00a, GL04, Han98, IBC⁺10, KTF03, KKD05, LK10, MTSS94, MSL96, PS01b, RRFH96, SWHP05, SLG95, SWL⁺01, TGT05, TDB00, Wer95, YGH⁺14].
Message-Passing
 [Ano93d, Att96, Cot97, Cot98, DHHW92, DDL00, GLS94, GL95c, GLT00b, MPI98a, MPI98b, PBK00, Pok96, RRBL01, AAC⁺05, Ano94d, Ano95c, Ano00a, Ano00b, BvdSvD95, CDZ⁺98, GL92, Hem96, KJA⁺93, LR06a, LBD⁺96, wL94, LMM⁺15,

PS00b, SSG95, Sti94, DiN96, GGHL⁺96, Han98, RRFH96, SLG95, Wer95, YGH⁺14]. **Message-Passing-Interface** [Wer95]. **MessagePassing** [Sei99]. **Messages** [KBS04, SKH96]. **Messaging** [HEH98, KC94]. **Meta** [BCLN97, FBD01a, FGRD01]. **Meta-Applications** [BCLN97]. **Meta-computing** [FBD01a, FGRD01]. **Metacomputer** [OS97]. **Metacomputing** [Fin00, MSF00, MS99b, FBVD02]. **Metagenomics** [LSM⁺18]. **MetaHaskell** [Mai12]. **metaheuristics** [ZSK15]. **metal** [JLS⁺14]. **MetaMP** [OW92]. **metaprogramming** [Mai12, TSEE21]. **meteorological** [RSBT95]. **Meteorology** [HK93, HK95]. **Method** [ADGA20, ACMR14, BP99, BJS97, CGU12, DAD19, FCLG07, GSI97, HFB21, HC06, KMK16, OMK09, RHM⁺17, Riz17, STA20, TSS00a, ARYT17, AiIS⁺21, AFG21, BBDH14, BCM⁺16, DSOF11, ETV94, GFIS⁺18, HE13, HMKV94, HJBB14, HPLT99, JMS14, KS15a, KD12, KKB⁺21, LCL⁺12, MMDA19, Nak05b, NS16, PTT94, PGPCCK21, Pri14, Qu95, RTN21, SHHC18, TKP15, YBZL03, dIAMCFN12, AAB⁺17, OTK15]. **Methodologies** [Sun94b]. **Methodology** [MOL05, WTTT17, HPR⁺95, LM94, WMP14]. **Methods** [BCMR00, CMK00, DFN12, EGH⁺14, FGKT97, GFPG12, KLR⁺15, kL11, NA01, Sch01, SM07, TDBEE11, Whi04, ZGNZ22, ZB97, CdOO⁺20, CEGS07, DF17, D⁺95, Gra09, Has95, KW20, LSR95, MM11, Nak05a, PGK⁺10, PGPCCK21, R⁺92, SL94a, SGS95]. **Metric** [SNN⁺19]. **Metrics** [DW02, PARB14]. **Metropolis** [HJBB14]. **Mexico** [IEE91, RV00, Sie94]. **MGCG** [TSS00a]. **MGF** [GLM⁺08]. **MGRIT** [HFB21]. **MIAOW** [BGG⁺15]. **MIC** [BB18, CCBPGA15, LCY19]. **MICE** [BK96]. **Micro** [Ano03, BWV⁺12, SGH12, YSWY14]. **Micro-applications** [SGH12]. **Micro-Benchmark** [BWV⁺12, YSWY14]. **microbenchmark** [BO01]. **Microcoded** [PWP⁺16]. **microtask** [OIS⁺06]. **MIDAS** [BFZ97]. **Middleware** [AUR01, CLL03, CC10, RPS19]. **Middlewares** [DPP01]. **Midpoint** [JMS14]. **Migol** [LS08]. **Migratable** [KOW97]. **Migrating** [VSRC94, VSRC95, IvdLH⁺00, KBG⁺09]. **Migration** [Ano94b, CCK⁺95, CLL03, CML04, CCBPGA15, CTK01, NPP⁺00c, NLRH07, Ott94, OS97, PS19b, ST97, AMBG93, BBGL96, CKO⁺94, CRM14, CRGM16, CK99, DDYM99, HZ99, LCVD94b, LM13, QHCC17, RRFH96, SSS99, SCL97, Ste96]. **Milan** [HS95a]. **million** [LHLK10]. **Millions** [BBG⁺11]. **MIMD** [BvdB94, BB93, BCL00, Uhl95a, WST95]. **MIMD/DMMP** [BB93]. **MiMPI** [GCC99]. **mini** [LBG⁺20, SCJH19]. **mini-application** [SCJH19]. **mini-applications** [LBG⁺20]. **MINIME** [DS16]. **MINIME-GPU** [DS16]. **minimization** [POL99]. **minimize** [AiIS⁺21]. **Minimum** [KA95, Wu99, GKD⁺18, NCKB12]. **Mining** [BBD⁺20, MA09]. **minisweep** [SCJH19]. **Mississippi** [IEE94f, IEE95j, IEE94f, IEE95j]. **mitigating** [OdSSP12]. **Mitigation** [BBH...13a]. **Mitsubishi** [Ano03]. **mittels** [Wil94]. **Mixed** [ASA97, BEG⁺10, CF01, OPP00, ST02a, MRH⁺96, SK00, SB01]. **Mixed-Mode** [BEG⁺10]. **Mixing** [CP98, GAP97, HDW21, CBYG18]. **mixture** [EO15]. **MK** [NS91]. **MLP** [JLG05]. **mm_par2.0** [OKM12]. **MN** [Ano94h]. **Mob** [STV97]. **Mobile** [ITT02, TWLL19]. **Mode** [BGK08, Bri02, BEG⁺10, LRT07, HHSM19, SB01, YX95]. **Model** [AP96, BGG⁺02, BdS07, CKmWH16, Cha02, CZG⁺08, Dar01, DFA⁺09, FSXZ14, FBSN01, GLB00,

GLRS01, HLP11, KD12, LWKA15, LWZ18, LGG16, LPJ98, LA02, LRQ01, MKW11, NSLV16, NO02b, PRQ21, Ran05, RSV+05, RRBL01, SPM+10, SB95, SPH+18, THN00, VT97, Wal01a, WYZ+19, YCA18, AL93, BSC99, Bir94, BG94b, BDV03, CMV+94, CL93, CKP+93, ED94, GKZ12, GCN+10, GkLyCY97, GWVP+14, GRTZ10, HPLT99, HK09, HK10, HY20, JPL22, KOS+95a, KSL+12, KLV15, LR06b, LA06, LLH+14, Mar05, MMAH20, MdSAS+18, MSZG17, MGC+15, NO02a, Nak05a, PAdS+17, PQR18, QM21, RAS16, RGDML16, RCG95, Sch93, SH94, Sch99, SMAC08, Str94, VBLvdG08, Vis95, Wan02, WC15, WLK+18, WYLC12, YX95, ZWC21, TA14].

Model-Based [AP96, LGG16]. **Modeling** [ACM96a, ATM01, BS07, COE20, CSC96, CDM93, FST98a, GAM+02, HSO+21, MOL05, MZLS20, MH21, NM95, RGDM15, Rót19, SEF+16, STH22, TD99, VFD02, WJA+19, WMC+18, XH96, AC07, BDP+10, BAE22, Bic95, BB95b, JL18, KM10, KME09, KEGM10, LZHY19, MS99a, WT13, XXL13, YMYI11]. **Modelling** [FST98b, GC05, Ham95a, KDL+95b, BJS99, HTHD99, KDL+95a, MSML10, QHCC17]. **Models** [AKK+94, BS93, BZ97, CMK00, Cer99, CNM11, DK06, EMO+93, ESM+94, GJN97, PPF89, SS01, SMOE93, SYL19, TSN21, Whi04, BB95a, CPM+18, CH96, CBS18, Duv92, EVMP20, KO14, LV12, MCB05, Nes10, RSBT95, RBAI17, RJH+20, STP+19, SYR+09, Wal00, WBSC17]. **moderate** [Uhl95a]. **Modern** [AHP17, DARG13, KDT+12, LNK+15, MPZ21, SM07, EYP+20, HH14, HCC+20, PMZM16]. **modernization** [WLYL20]. **modes** [WZWS08]. **Modified** [Riz17, GP95, KD12]. **Modular** [CT02, HPP02, FWS+17, HLM+17]. **modulator** [WWZ+96]. **modulator/DFB** [WWZ+96]. **Module** [Ano98]. **Modules** [AKK+94, DS96b]. **modules-design** [DS96b]. **Molecular** [ABG+96, BST+13, BCGL97, BL95, BS07, DR97, DI02, KBM97, LAFA15, MH01, SA93, YWCF15, ZB94, AiIS+21, BvdSvD95, BBK+94, BMPZ94b, BMPZ94a, CC00b, DCD+14, Dab19, FHSO99, HHS18, JAT97, JMS14, KFA96, KRG13, LHZ+20, LSVMW08, OKM12, PARB14, PIR+20, SL95, VGP+19, ZWL13, RS22]. **molecule** [ART17]. **Møller** [BL95, KN17]. **Moment** [SSB21]. **MONC** [BBW19]. **Monito** [SGL+00]. **Monitor** [KRS99, Whi94]. **Monitoring** [AH00, BCLN97, Beg93b, BFM96, BFMT96b, CD98, DBK+09, GSN+01, IADB19, LY93, LW97, MWG97, MVY95, SGL+00, UP01, Wis98, Wis01, Yan94, Beg92, Beg93c, Beg93a, BB94, BS96a, BFMT96a, FLB+05, LC07]. **Monodomain** [ORA12]. **Monona** [ZL18]. **Monte** [HJBB14, RP95, WH96, ADRCT98, AK99, DAK98, NSLV16, RR00, SK00, SKM15, ZZ04]. **Monterey** [Ano89, Gat95, USE94]. **Montpellier** [DE91]. **Montréal** [Lev95]. **MOPS** [GJN97]. **Morehouse** [AGH+95]. **Morgan** [SD13]. **Morphable** [ZL17]. **morphology** [VLSPL19]. **Morton** [LZH18]. **MOSFETs** [MV20]. **MOSIX** [BBGL96]. **motif** [FMS15]. **motors** [SKM15]. **movement** [MV17, PG18]. **Moving** [HAA+11, KQT+21, LSG12]. **MPC** [BPJ22]. **MPE** [GKL95, KFA96]. **MPEG** [NU05]. **MPEG-4** [NU05]. **MPI** [ARYT17, AD98, Ano95c, Ano99a, Ano99c, Ano99b, Ano99d, Ano00a, Ano00b, BDW97, CHD07, CHD09, CD01, CDND11, DKD05, DLM99, DKP00, DLO03, GBR97, GEW98, IEE96i, JKN22, JMS14, KGRD10, Kra02, KKD04, LKD08, MTWD06, Nag05, Per97, PS01b, RWD09, RLVRGP12, SBG20, ST02a, TDB00, TBD12, Vre04, WSN99, YM97, ST02b, ACGdT02, AKB+19, Ada97, Ada98, AC07, ACH+11, APJ+16, AASB08, ART17, ATM01, ACC+21, ACGR97, AK99, ABF+17, AHP01,

ACMZR11, ALW⁺¹⁵, ALB⁺¹⁸, ADLL03a, ADLL03b, And98, AiIS⁺²¹, FH98, AVA⁺¹⁶, Ano93e, Ano94d, Ano98, Ano01a, Ano03, AKE00, AKL99, AJF16, AIM97, ADR⁺⁰⁵, AHHP17, AMC⁺¹⁹, Bad16, BV99, BCMR00, Bak98, BF98, BCFK99, BBG⁺¹⁰, BCG⁺¹⁰, BBG⁺¹¹, BKK20, BGBP01, BBS99, BAC20, BBG⁺¹⁴, BA06, BCAD06, BADC07]. **MPI** [BGR97a, BKGS02, Ben01, BW12, BHV12, BKH⁺¹³, BIL99, BIC05, BBB⁺²⁰, BP98, BF01, BBCR99, BBDH14, BK96, BKdSH01, Bha98, BfDA94, BHLS⁺⁹⁵, BHS⁺⁰², Bis04, BBH. . 13a, BBH^{+13b}, BDB⁺¹³, BIC⁺¹⁰, BR04, BCM⁺¹⁶, BTC⁺¹⁷, BM00, Boo01, BBC⁺⁰², BPJ22, BCH⁺⁰³, BHK⁺⁰⁶, BBC⁺⁹⁹, BBC⁺⁰⁰, BS96b, BMR02, Bri02, BRM03, Bri10, BMPS03, BS07, BBW19, BDL98, Bru95, BDH⁺⁹⁵, BDH⁺⁹⁷, Brü12, BLW98, BFBW01, BEG⁺¹⁰, BCH⁺⁰⁸, BWV⁺¹², CdOO⁺²⁰, CGC⁺⁰², CSW12, CGC⁺¹¹, CwCW⁺¹¹, CRE99, CE00, CRE01, CC10, CP98, CAHT17, CGJ⁺⁰⁰, CFKL00, CSS95, CGBS⁺¹⁵, CGG10, CB00, CDMS15, CGS15, CBL10, CBB⁺²⁰, CBB⁺²¹, CLE⁺²⁰, Cha02, CTBT21, CEGS07, CDP99, CCA00, CFDL01, CLL03, CGZQ13, CC17, CSAGR98, CNC10, CC00a, CGH94, CCSM97, CFMR95, CDD⁺⁹⁶, Coo95a, Coo95b, CFF⁺⁹⁶, CRGM14]. **MPI** [CRM14, CRGM16, CC99, CT02, CD96, CG99b, Cre16, DPS05, DPSD08, DMK19, Dan12, DSG17, DZ96, DZ98a, DR18, DK20, DW02, DLM⁺¹⁷, DZ98b, Dem96, DPP01, DJJ⁺¹⁹, DLB07, DSW96, DS96a, DRUE12, DKD07, DI02, DDN⁺²², DL10, DCPJ12, DCPJ14, DPFT19, DAK98, DGG⁺¹², DGB⁺¹⁴, DBB⁺¹⁶, HD02a, DXB96, DOSW95, DWS⁺²¹, DFSW19, DCH02, DH22, DBK⁺⁰⁹, EZBA16, EGH99, EDSV09, EYP⁺²⁰, ES11, FH97, FD96, FDG97a, FDG97b, FLD98, FD00, FBD01a, FBD01b, FGRD01, FBVD02, FD02a, FD02b, FD04, FCLG07, FB95, FB96, FB97, Fan98, FPY08, FA18, FFB99, FNSW99, FTVB00, FFP03, FLPG18, FGL⁺²⁰, FL21, FMS15, FHK01, FKH02, FSC⁺¹¹, FCS⁺¹², Fin97, Fin94, Fin95, FWNK96, Fin00, FLB⁺⁰⁵, FC05, FST98a, FST98b, FJK⁺¹⁷, FKK^{+96b}, FKK96a, FGT96, Fos98, FHPS94a, FHPS94b, FHP⁺⁹⁴, FHP⁺⁹⁵, Fra95]. **MPI** [FWR⁺⁹⁵, FKLB08, FBSN01, FSLS98, FCS⁺¹⁹, GBR97, GFD03, GFD05, GDC15, GVF⁺¹⁸, GGGC99, GGCM99, Gao03, GGZ⁺²⁰, GBR15, GCGS98, GCC99, GCBL12, GGHL⁺⁹⁶, Gei00, GR07, GGL⁺⁰⁸, GJR09, GSI97, GBH14, GBH18, GGS99, GMA20, GR95, GLB00, GRW⁺¹⁹, Gle93, GM13, GJMM18, GT01, GBH99, GFIS⁺¹⁸, GHZ12, GSYT21, GÁVRRL17, GDMME22, GRRM99, GAMR00, GKS⁺¹¹, GB98, GMPD98, GPL⁺⁹⁶, Gra97, GEW98, GBS⁺⁰⁷, GLM⁺⁰⁸, GL92, GL94, GLS94, GL95a, GL95b, GKL95, GL95c, GL96, GLDS96, GL97c, GL97b, GHLL⁺⁹⁸, GL99, GLT99, GLS99, Gro00, GLT00b, GLT00a, Gro01a, Gro01b, Gro02a, GL02, Gro02b, GT07, GLT12, Gro12, Gro19, GPC⁺¹⁷, GC05, GSY⁺¹³, Gua16, GADM20, HGX⁺²², HJ98, HC10, Har94, Har95, HL17, HCC⁺²⁰, Hat98, HO14, HD02b, HDZ⁺²⁰, HE02, Hem94, HZ96]. **MPI** [Hem96, HRZ97, HZ99, HEH98, HGMW12, HMK09, HPS⁺¹², HPS⁺¹³, Hin11, HRR⁺¹¹, HDB⁺¹², HDB⁺¹³, HDT⁺¹⁵, HKN⁺⁰¹, HMS⁺¹⁹, HLOC96, HKT⁺¹², HJB⁺²¹, HVSC11, HWX⁺¹³, HM01, HCA16, HG12, HcF05, Hus98, Hus00, Hus01, HWW97, IDS16, IRU01, ITKT00, IPG⁺¹⁸, ICC02, IMS16, JL18, JF95, JDB⁺¹⁴, Jes93b, JJM⁺¹¹, JS13, JNL⁺¹⁵, Jon96, JLG05, JR10, JSH⁺⁰⁵, KB01, KFA96, KS15a, KPW05, KW14, KWEF18, KD12, Kan12, KTAB⁺¹⁹, KLH⁺²⁰, KFL05, KB98, KK02a, KL94, KYL03, KYL05, KSJ95, KSJ96, KN17, KBS04, KGK⁺⁰³, KTXP21, KHB⁺⁹⁹, KBM97, KLR⁺¹⁵, KR09, KSB⁺²⁰, KMG99, KEGM10, KRC17, KV98, KAC02, KC06, KBG16, KMH⁺¹⁴, KRG13, LK14,

LAdS⁺¹⁵, LRG⁺¹⁶, LLRS02, LTDD14, LGM00, LRT07, LC97a, LR06b, LTRA02, Lee12, LFS⁺¹⁹, LFW20, LZ97, LRW01, LPD⁺¹¹, LLC13, LZH17, LZH18]. **MPI** [LK20, kLCC⁺⁰⁶, kLCCW07, kL11, LZZ⁺²⁰, LFL11, LS10, LSM⁺¹⁸, LZC⁺²⁰, LCY96, LCW⁺⁰³, LVP04, LWP04, LGG16, LBB⁺²¹, LYSS⁺¹⁶, LB96, LGMdRA⁺¹⁹, LMG17, LCMG17, LBB⁺¹⁹, LGM⁺²⁰, LNLE00, LO96, dLR04, LZHY19, LS08, LL01, LZC⁺⁰², LKJ03, LCC⁺⁰³, LKYS04, LSK04, LLH⁺¹⁴, MBBD13, MMR99, MS02a, MS02b, MV17, MC18, MTK16, Man01, Man98, MK17, MLVS16, MB21, MLAV10, MKP⁺⁹⁶, MSMC15, MSL12, MH01, MSL96, MS96a, MC98, MGG05, MAS06, MM02, MM03, MOL05, MCS00, MANR09, MRRP11, MG97, MMDA19, MMAH20, MMM13, MTW07, MK04, MCLD01, MMH98, MMH99, MS99c, MB00, MvWL⁺¹⁰, NAW⁺⁹⁶, NO02b, NO02a, Nak05a, Nak05b, NSBR07, NE98, NE01, Nes10, NSS12, NH95, NCB⁺¹², NCB⁺¹⁷, NWT21, NAJ99, NW98, Nit00, NHT02, NHT06, NFG⁺¹⁰, NN95, OM96, OLG⁺¹⁶, OKM12, OIS⁺⁰⁶]. **MPI** [OD01, OF00, Ong02, OP98, OL05, OGM⁺¹⁶, OMK09, Pac97, PARB14, Pan14, PK98, PES99, PLK⁺⁰⁴, PSK08, PDY14, PS00a, PS01a, PHJM11, PTL⁺¹⁶, Per99, PZ12, PGK⁺¹⁰, PFG97, PLR02, PGAB⁺⁰⁵, PGBF⁺⁰⁷, PGAB⁺⁰⁷, Pla02, PD11, PSSS01, PSK⁺¹⁰, PTH^{+01a}, PTH^{+01b}, PS00b, PHM⁺²², PTW99, QB12, QM21, Qui03, Rab98, Rab99, RDMB99, RR01, Ram07, RSBT95, RMS⁺¹⁸, Ran05, RA09, RAS16, RCFS96, RJH⁺²⁰, RBB97a, RBB97b, RBB97c, RSPM98, RTH00, RH01, Reu01, RST02, Reu03, RGDM15, RGDML16, RGGP⁺¹⁸, RGP22, RNPM13, RPM⁺⁰⁸, Röh00, Rol08b, RšT06, RSC⁺¹⁹, RFRH96, RRG⁺⁹⁹, RTRG⁺⁰⁷, SE02, SCB14, SCB15, STP⁺¹⁹, SPM⁺¹⁰, SWCB20, SSB⁺⁰⁵, Sap97, SSB⁺¹⁶, SDJ17, SGH12, SSN⁺²¹, SBF⁺⁰⁴, SCJH19, SW12, SBG⁺⁰², SG05, Ser97, SS01, SWS⁺¹², SG12, STY99]. **MPI** [SM02, SM03, SC19, SPH⁺¹⁸, SP99, SZ11, SC04, SSC96, SS99, SIC⁺¹⁹, SZBS95a, SZBS95b, SDN99, SvL99, SJ02, SWJ95, SMTW96, SH96, SDB94, SLG95, SDV⁺⁹⁵, SPH96, Slo05, SVC⁺¹¹, SK00, SB01, SOHL⁺⁹⁶, SOHL⁺⁹⁸, Sni18, SHHC18, SSL97, Squ03, Ste96, ST97, Sto98, SU96, Str96, SRS⁺¹⁹, Sum12, SN01, Swa01, TOTH99, TAH⁺⁰¹, TSY99, TSY00, THDS19, TSCS14, TKP15, TK19, Tha98, TGL02, TG09, TGKL19, TPLY18, TW01, TD99, TOC18, Tra98, THRZ99, TRH00, Trä02b, Tra02a, TGT10, Trä12a, Trä12b, THMH21, TMPJ01, TFGM02, Tsu07, TFZZ12, TPV20, UTY02, URKG12, VFD02, VLSPL19, VS00, VPS17, VSRC94, VSRC95, VGRS16, VdS00, VP00, VVD⁺⁰⁹, WH96, Wal95, WO95, Wal96a, WD96, WO96, Wal01a, Wal01b, Wal00, WC09, WLNL03, WLNL06, Wer95, WST95]. **MPI** [Whi04, WK20, WLR05, WWZ⁺⁹⁶, Wis98, WB96, WM01, WADC99, Wor96, WRA02, WDR⁺¹⁹, WCS99, WT11, WYLC12, WT12, WLYC12, WT13, WMP14, XH96, XLW⁺⁰⁹, YM97, YL09, YHL11, YWC11, YCL14, YBMCB14, YW21, YPAE09, YTH⁺¹², YSP⁺⁰⁵, Zah12, ZZ04, ZLZ⁺¹¹, ZWZ05, ZLP17, ZJDW18, ZWLZ21, ZCBD22, ZLL⁺¹², ZGZS20, ZT20, ZWC21, ZZ95, ZSnH01, ZKRA14, ZA14, bT01a, dlAMCFN12, KH96, Mar06, YM97, Ano96a, Ano99a, Ano99c, Ano99b, Ano99d]. **MPI-1** [SOHL⁺⁹⁸]. **MPI-2** [Ano99c, Ano99d, Ano00a, AKL99, BCAD06, BHS⁺⁰², CwCW⁺¹¹, CD96, DPSD08, GFD03, GGHL⁺⁹⁶, GT01, GHLL⁺⁹⁸, GLT99, GLT00b, GLT00a, HGMW12, LSK04, MS02a, MK04, PS00a, SS99, SSL97, TRH00, bT01a, BADC07]. **MPI-3** [FCS⁺¹⁹, GBH14, GBH18, GLT12, HDT⁺¹⁵, QM21]. **MPI-ACC** [APJ⁺¹⁶]. **MPI-AllReduce** [NWT21]. **MPI-AMRVAC** [KTXP21, TK19]. **MPI-Based** [Ada97, FSC⁺¹¹, RDMB99, SM03, Ada98,

AVA⁺¹⁶, GKS⁺¹¹, Gra97, LRW01, LZC⁺²⁰,
 OLG⁺¹⁶, OP98, SZ11, TSCS14, TMPJ01].
MPI-basierte [Gra97]. **MPI-benchmark**
 [Reu01]. **MPI-CHECK** [LCC⁺⁰³].
MPI-CUDA [DR18, YW21, dIAMCFN12].
MPI-DDL [FB97]. **MPI-Delphi**
 [ACGdT02]. **MPI-dot2dot** [GDMME22].
MPI-driven [Hin11]. **MPI-F**
 [FHPS94b, FHP⁺⁹⁴]. **MPI-FM** [LC97a].
MPI-FT [LNLE00]. **MPI-GLUE** [Rab98].
MPI-GPU [TPV20]. **MPI-Hybrid**
 [CGC⁺¹¹]. **MPI-I** [IRU01, Tsu07].
MPI-I/O [IRU01, Tsu07].
MPI-interoperable [YBMCB14]. **MPI-IO**
 [BIC⁺¹⁰, CGC⁺⁰², CFF⁺⁹⁶, DL10,
 FWNK96, FSLS98, LRT07, LGG16, PSK08,
 PTH^{+01a}, SW12, Sto98, TGL02, ZZ04].
MPI-IO/GPFS [PTH^{+01a}]. **MPI-LAPI**
 [BGBP01]. **MPI-Level** [LVP04]. **MPI-like**
 [CGJ⁺⁰⁰]. **MPI-only** [LS10].
MPI-OpenCL [JNL⁺¹⁵]. **MPI-OpenMP**
 [MS02b]. **MPI-Parallel** [DK20].
MPI-parallelized [DFSW19, KMG99].
MPI-Performance-Aware-Reallocation
 [GFIS⁺¹⁸]. **MPI-StarT** [Hus98]. **MPI-The**
 [Ano99c, Ano99d]. **MPI-thread** [IDS16].
MPI-Umgebung [GBR97]. **MPI/CUDA**
 [PHJM11]. **MPI/GAMMA** [CC00a].
MPI/GPU [EZBA16]. **MPI/GPU-code**
 [EZBA16]. **MPI/MBCF** [MMH99].
MPI/OpenACC [OGM⁺¹⁶].
MPI/OpenMP
 [ADR⁺⁰⁵, GÁVRRL17, HDZ⁺²⁰, HKN⁺⁰¹,
 JLG05, JR10, KS15a, KN17, KLR⁺¹⁵,
 KRG13, LLRS02, MMDA19, PZ12, SB01,
 WT11, WT12, WT13]. **MPI/PVM** [ES11].
MPI/RT [SKD⁺⁰⁴]. **MPI/RT-1.1**
 [SKD⁺⁰⁴]. **MPI/SMPSs** [MLAV10]. **MPI1**
 [Sti94]. **MPI2** [MPI98a, MPI98b, Wal96b].
MPI2007 [MvWL⁺¹⁰]. **mpi4py** [DF21].
MPI_Allgather [GMdMBD⁺⁰⁷].
MPIConnect [FGRD01]. **MPI-T**
 [GVF⁺¹⁸, HHK⁺¹⁹]. **MPICH**
 [BBC⁺⁰², BCH⁺⁰³, BHK⁺⁰⁶, Cot98, Cot04,
 GL97a, KTF03, LKJ03, OPM06, OF00,
 RFG⁺⁰⁰, RšT06, SBG⁺⁰², TRG05].
MPICH-CM [SBG⁺⁰²]. **MPICH-G2**
 [Cot04, KTF03, OPM06]. **MPICH-GQ**
 [RFG⁺⁰⁰]. **MPICH-V** [BBC⁺⁰², BHK⁺⁰⁶].
MPICH-V2 [BCH⁺⁰³]. **MPICH2**
 [BMG07, Gro02b, ZSG12]. **MPIConnect**
 [FLD98]. **mpicoscope** [Trä12b].
MPIGeneNet [GDM18]. **mpiJava**
 [BCFK99]. **MPINE** [Sou01]. **MPIPOV**
 [FFB99]. **MPIT** [HIP02]. **MPIWiz**
 [XLW⁺⁰⁹]. **MPJ** [CGJ⁺⁰⁰]. **MPL** [XH96].
MPL0* [CRD99]. **MPP**
 [CDJ95, DOSW96, GBR97]. **MPP-Systeme**
 [GBR97]. **MPPs** [BGR97a, RBB97a].
MPSoC [KKJ⁺⁰⁸, KH10, PSM⁺¹⁴].
MPSoCs [MB12, NEM17, SPB⁺¹⁷].
MPVM [CCK⁺⁹⁵]. **MRI** [LSSZ15]. **MRO**
 [MMM13]. **MRO-MPI** [MMM13]. **Multi**
 [Ada98, ABB⁺¹⁰, Bri10, BCKP00, CAWL17,
 CZG⁺⁰⁸, COE20, DK20, DS22, DWL⁺¹⁰,
 EBKG01, FSXZ14, HD02b, HRZ97, JCH⁺⁰⁸,
 JNL⁺¹⁵, KBA02, KT02, LTS16, LCY19,
 LM13, MLGW18, MG15, MB00, NMS⁺¹⁴,
 PZ12, RG18, RR02, Smi93a, ST02a, ST02b,
 SSB⁺¹⁷, TPV20, WBH97, XR21, YGH⁺¹⁴,
 ZL18, ACMZR11, AGMJ06, BBC⁺¹⁹,
 BCK⁺⁰⁹, CdOO⁺²⁰, DCH02, DWL⁺¹²,
 Fin94, Fin95, FHB⁺¹³, HTA08, HE15, JR13,
 JJM⁺¹¹, JR10, KSG13, KLV15, KO14,
 Kom15, LSG12, LS10, LLH⁺¹⁴, MALM95,
 NSM12, SCB15, SFSV13, SVC⁺¹¹, SAP16,
 Str12, TS12b, TFZZ12, VLSPL19, WCC⁺⁰⁷,
 WO09, WADC99, WYLC12, ZAFAM16,
 ZWZ⁺⁹⁵, ZZZ⁺¹⁵, SAP16, SG14]. **multi-**
multi-/many-core [KSG13].
multi-accelerator [KLV15]. **multi-agent**
 [ZWZ⁺⁹⁵]. **Multi-agents** [KBA02].
Multi-Array [LTS16]. **Multi-cluster**
 [ST02b, KO14, Kom15]. **Multi-Context**
 [ZL18]. **Multi-Core** [ABB⁺¹⁰, Bri10,
 CZG⁺⁰⁸, YGH⁺¹⁴, PZ12, FHB⁺¹³, HTA08,
 JR13, JJM⁺¹¹, JR10, LLH⁺¹⁴, SFSV13,

SVC⁺¹¹, TFZZ12, WCC⁺⁰⁷, WYLC12].
multi-cores [WO09]. **multi-CPU** [SAP16].
multi-CPU/multi-GPU [SAP16].
Multi-Dimensional [HD02b, KT02, RG18].
multi-endpoint [LLH⁺¹⁴]. **Multi-GPU**
 [DS22, JNL⁺¹⁵, NMS⁺¹⁴, XR21, NSM12,
 TS12b, SAP16, SG14]. **multi-kernel**
 [SAP16]. **Multi-level** [CAWL17, LCY19,
 LM13, HE15, MALM95, ZZZ⁺¹⁵].
multi-morphology [VLSPL19].
Multi-Network [BCKP00]. **Multi-Node**
 [HRZ97]. **multi-petaflops** [LSG12].
multi-phase [ZAFAM16]. **Multi-Physics**
 [WBH97]. **multi-place** [BCK⁺⁰⁹].
Multi-platform [DWL⁺¹⁰, DWL⁺¹²].
Multi-Processing [MLGW18].
Multi-Processor [RR02, Smi93a, DCH02].
multi-programming [WADC99].
Multi-protocol [MB00].
Multi-Resolution [TPV20]. **Multi-Socket**
 [COE20, LS10]. **Multi-Stage** [FSXZ14].
Multi-Threaded
 [MG15, Ada98, EBKG01, SCB15].
Multi-Threading [MLGW18].
multi-valued [Str12]. **Multi-Vectors**
 [DK20]. **Multi-versioned** [SSB⁺¹⁷].
multi-zonal [Fin94, Fin95]. **Multi-Zone**
 [JCH⁺⁰⁸, AGMJ06]. **Multiblock**
 [IDD94, DLR94]. **Multicast**
 [CCA00, CDPM03, ZGN94]. **Multicasting**
 [SE02]. **multicenter** [CwCW⁺¹¹].
MultiCL [APBeF16]. **multicomputer**
 [SWJ95, TD99]. **multicomputers**
 [HWW97, Yan94, YX95]. **Multiconference**
 [Ten95]. **Multicore** [BDT08, CGC⁺¹¹,
 CB16, DS16, DGH⁺¹⁹, GDM18, KDT⁺¹²,
 LNK⁺¹⁵, WT12, YKW⁺¹⁸, ASB18,
 CLYC16, GJLT11, GDMME22, HWX⁺¹³,
 JPOJ12, KN17, LS10, MBBD13, MM11,
 Nob08, OPW⁺¹², PDY14, QB12,
 RGDML16, WCS⁺¹³, WT11, WLYC12,
 WT13, YHL11, YWC11, dIAMC11, BAE22].
multicore/many [MBBD13].
multicore/many-core [MBBD13].

Multicores
 [Ger18, GDDM17, ADK22, UGT09].
multidestination [Pan95a].
multidimensional
 [CSW99, DMK19, PDY14, ZT17].
multidisciplinary [Fin94, Fin95].
multifold [PIR⁺²⁰]. **multifrontal** [IM95].
Multigrain [AZG17, IOK00]. **Multigrid**
 [BCMR00, SSK⁺¹⁸, AGIS94, IHM05, Lou95,
 Mic93, Mic95, PSLT99, RM99, Sta95a,
 TK19, ZZG⁺¹⁴]. **Multigroup**
 [QRG95, QRMG96]. **Multilevel**
 [JLG05, PSSS01, BAV08, ETV94, GAM⁺⁰⁰,
 JJY⁺⁰³]. **multimedia** [GFB⁺¹⁴].
multimethod [FGT96]. **Multiobjective**
 [RLVRGP12]. **Multiparadigm** [FS98].
Multiphase [SPH⁺¹⁸]. **Multiphysics**
 [NPS12]. **Multipatform** [SMM⁺¹⁶].
Multipole [BSG00, CB16, FGKT97, FBSN01,
 JPT14, JSH⁺⁰⁵, KMM15, LTR00, NTR16,
 Pet01, Tsu12, ZC10, Zho21, AML⁺⁹⁹,
 ESB13, GM18, KGB⁺⁰⁹, KKLL11, SHHC18].
Multiple-Precision [ZC10, JPT14].
Multiplication [AKL16, DS13, Fuj08,
 TQDL01, FAF16, FJZ⁺¹⁴, XXL13].
Multipole [AAB⁺¹⁷, AiIS⁺²¹, KKB⁺²¹,
 LCL⁺¹², YBZL03]. **Multiported** [SG15].
Multiprocessing [MW93, VGS14].
Multiprocessor
 [Pet97, ABCI95a, ABCI95b, ADMV05].
MultiProcessors
 [BDV03, CC99, HPP02, NPP^{+00d}, SBW91,
 SS01, Tra98, JE95, KC06, SYR⁺⁰⁹, AGIS94].
multiprogrammed [TSY99].
Multiprogramming [BHP⁺⁰³].
Multiprotocol [BHK⁺⁰⁶]. **Multirail**
 [LVP04]. **multiscale** [CwCW⁺¹¹].
multiservice [CLLASPD99]. **multisource**
 [ZDR04]. **multistage** [ZGN94]. **Multistart**
 [Cza13]. **Multitasking** [ZGNZ22, FH95].
multithread [GCC99, SWYC94, ZG98].
multithread-safe [GCC99].
Multithreaded [ALB⁺¹⁸, AZG17,
 DGG⁺¹², PS01b, RBAA05, TGBS05, WJ12,

DSG17, TMC09, TG09, WCC⁺⁰⁷. **Multithreading** [BBG⁺¹⁰, ZWL13]. **Munich** [BDLS96, GH94]. **Mushy** [Wit16]. **MUST** [HPS⁺¹², HPS⁺¹³]. **mutual** [She95]. **MV** [TWLL19]. **MV-Net** [TWLL19]. **MVAPICH** [RMS⁺¹⁸]. **MVICH** [OF00]. **Myocardial** [Pat93]. **Myrinet** [CDP99, GBH99, JSH⁺⁰⁵, LCW⁺⁰³, PTW99, Tou00].

n [DDN⁺²², Pan95a, ADB94, RTRG⁺⁰⁷]. **N-body** [ADB94, RTRG⁺⁰⁷]. **n-cube** [Pan95a]. **NAG** [DHP97, For95, McD96]. **NAMD** [PZKK02]. **Naming** [MSF00]. **Nancy** [BR95a]. **NanosCompiler** [GAM⁺⁰⁰]. **Narrow** [YSS⁺¹⁷, YSS⁺¹⁹]. **NAS** [CRE99, CE00, CCF⁺⁹⁴, CDD⁺⁹⁶, KS96, KAC02, MMH99, WAS95b, WT11, WT12]. **NASA** [MAB05]. **NASLU** [PHJM11]. **National** [Str94, BRST94]. **Native** [SZ99]. **NATO** [KG93, TG94]. **NATUG** [Ara95]. **NATUG-7** [Ara95]. **nature** [DSM94]. **Navier** [Che99, DLR94, HSMW94, IDD94, Lou95, SCC95]. **NB** [BG91]. **NC** [Agr95a, SL94a]. **NCCL** [AMC⁺¹⁹]. **NCCL2** [AMC⁺¹⁹]. **NCS** [AL92]. **nCUBE2** [BL94]. **Near** [PKYW95]. **Nearest** [DI02]. **Nearest-Neighbor** [DI02]. **Nebelung** [MFG⁺⁰⁸]. **NEC** [GPL⁺⁹⁶, HRZ97, TRH00]. **Necessary** [NPP^{+00b}]. **Needed** [Gei00]. **Negative** [KF16]. **Neighbor** [DI02]. **neighborhood** [HS12]. **Nek5000** [MGS⁺¹⁵, OGM⁺¹⁹]. **Nekbone** [GML⁺¹⁶]. **Nemesis** [BMG07]. **Nesbet** [BL95]. **Nested** [AHD12, BR12, BS01, DLRR99, DSCL05, GLP⁺⁰⁰, HA10, MMS07, SGL⁺²⁰, TTSY00, ZLP17, aMST07, AGMJ06, BS05, HSE⁺¹⁷, HY20, LW20, THH⁺⁰⁵, YZ14, JLG05]. **Nesting** [BBC⁺⁹⁹]. **Nests** [DMB16]. **Net** [CNM11, NE98, NE01, PES99, TWLL19]. **Net-Console** [PES99]. **Net-dbx** [NE98, NE01]. **netCDF** [LkLC⁺⁰³].

Netherlands [DSZ94, Ano93f, Van95]. **Nets** [Sou01, Str94]. **Network** [ACM98a, AR01, BDG^{+91b}, BDG^{+93a}, BCKP00, CZ95a, CDHL95, CSC96, DM95b, DM95a, DBA97, DFMD94, DGMS93, DGMJ93, EK97, Fer98b, Fis01, GS91b, GS92, Gei93a, GSxx, Hus98, ITT02, LB98, LH95, MSCW95, MANR09, OF00, OWSA95, RJ21, TW01, VZT⁺¹⁹, AL92, AH95, AVA⁺¹⁶, BDG^{+92a}, BDG^{+92c}, BDG⁺⁹⁴, BSvdG91, BJ95, Bon96, BBK⁺⁹⁴, BID95, BFM96, Coe94, CLLASPDP99, Fer98a, GS91a, Gei93b, GK97, GHZ12, HBT95, HK94, HH95, IM95, KMC96, KMC97, KA95, LH98, LK20, LHD⁺⁹⁴, LHD⁺⁹⁵, MK94, MRH⁺⁹⁶, POL99, PR94c, PTW99, Rag96, SEC15, SPK⁺¹², TSS98, YS93, ZPLS96, GK97]. **Network-Balancing** [DBA97]. **Network-Based** [BDG^{+91b}, GS92, BDG^{+92a}, IM95]. **Network-Specific** [DM95b, DM95a]. **network-topology-aware** [SPK⁺¹²]. **Networked** [FGKT97, GBD⁺⁹⁴, Nov95, NMC95, Per96, Ano95b, BMPZ94b, BMS94a, BMPZ94a, GM94, HS93, RRG⁺⁹⁹]. **Networking** [ACM97b, ACM98b, ACM00, ACM01, ACM04, Hol12, LCK11, CXB⁺¹², GH94, HS95a, ITT99, LCHS96, MZK93]. **Networks** [CSV12, CDM93, DDP⁺¹⁹, DDPR97, GFV99, GDM18, GHL97, HHK94, HLCZ00, HIP02, LHHM96, Li96, LHZ98, MBES94, QMGR00, SG15, SM19, TQDL01, Tou00, VLO⁺⁰⁸, VBB18, WAS95b, WMC⁺¹⁸, BK11, BRS92, CZ95b, CFP95, DG95, DZ98a, Jou94, LR06a, LTLC94, LHD⁺⁹⁴, LHD⁺⁹⁵, NFG⁺¹⁰, Pan95a, SOYHDD19, TDB00, ZGN94]. **Neural** [AGH⁺⁹⁵, CAM12, CSV12, QMGR00, RJ21, SM19, Str94, GkLyCY97, Rag96]. **Neurocomputing** [PSZE00]. **Neutral** [CBB⁺²¹]. **neutrino** [KHBS19]. **Neutron** [LD01, RS97, VRS00, WR01, MM92]. **Nevada** [Ano94e]. **never** [Har94]. **Neville** [ACMZR11]. **Newport** [IEE93b]. **News**

[Ano97, Ano03, Bra97, ESB13, KS15a, Str94]. **Newton** [AEW⁺20, ZB97]. **Next** [GKPS97, Gei98, Gei01, VPS17, VZT⁺19, EYP⁺20, SP11, ZKRA14, vdP17]. **Next-Generation** [VPS17, ZKRA14]. **NFS** [CGC⁺02]. **NHPDCC** [BRST94]. **NIC** [MFPP03]. **NIC-based** [MFPP03]. **Nice** [ACM90]. **nineteenth** [IEE95i]. **Ninth** [ERS96, R⁺92]. **NIST** [SNMP10]. **Nitzberg** [Ano99c, Ano99d]. **NLP** [VB99]. **NM** [IEE95d, Old02]. **NMF** [KF16]. **nmfgpu4R** [KF16]. **NoC** [HWX⁺13]. **NoC-based** [HWX⁺13]. **Node** [HRZ97, KLH⁺20, KFL05, FKL08, GM13, Gro19, JR10, LFL11, MKP22, RS19, Zah12]. **Nodes** [BBC⁺02, BCH⁺03, DBK⁺09, JNL⁺15, MKC⁺12, BBB⁺22, VGP⁺19]. **Noise** [SAL⁺17]. **Non** [BCG⁺10, CTBT21, CCSM97, Gua16, HTA08, KLH⁺20, KF16, MW98, Man01, SdR⁺21, WLNL03, WTR03, FH98, BCH⁺08, OKW95, OMK09, STP⁺19, TVCB18, WLNL06]. **Non-blocking** [HTA08, FH98, BCH⁺08, STP⁺19]. **Non-Contiguous** [KLH⁺20, WTR03]. **Non-Data-Communication** [BCG⁺10]. **non-dedicated** [WLNL06]. **Non-Determinism** [CTBT21]. **Non-Intrusive** [SdR⁺21]. **non-iterative** [OMK09]. **Non-linear** [MW98, OKW95]. **Non-Local** [CCSM97]. **Non-Negative** [KF16]. **Non-persistent** [Man01]. **non-singleton** [TVCB18]. **Non-stop** [Gua16]. **nonaligned** [AGIS94]. **nonblocking** [DJJ⁺19]. **Noncontiguous** [JDB⁺14, TGL02]. **Nondeterminacy** [DKF93]. **nondeterminism** [Obe96]. **Nondeterministic** [KSV01, CRD99]. **nonequispaced** [YW21]. **Nonintrusive** [TGS⁺20]. **Nonlinear** [Nak03, Was95a, ZB97, CEGS07, Jou94, NS20]. **nonnegative** [KBP16]. **nonsymmetric** [dH94]. **Nordic** [FF95]. **Norfolk** [Sin93]. **normal** [CBS18]. **normalized** [Gra09]. **Norman** [Edd18]. **North** [CJNW95]. **Note** [BR02, Cre16, SGHL01]. **notification** [SSN⁺21]. **Notre** [IEE96i]. **novel** [DDYM99, GKK09, MLVS16, MSL12, QM21]. **November** [ACM96c, ACM97b, ACM98b, ACM99, ACM00, ACM01, ACM03, ACM04, ACM05, Ano94c, ACDR94, BDW97, GN95, HK95, Hol12, IEE91, IEE93e, IEE94b, IEE94h, IEE02, LCK11, USE94]. **novice** [CGG10]. **Novices** [Stp02]. **NOWs** [SLGZ99]. **NP** [YZ14]. **NPACI** [PKB01]. **NPB** [EGC02]. **NR** [Gua16]. **NR-MPI** [Gua16]. **NRC** [LD01]. **NScluster** [TSN21]. **NSGA** [GÁVRRL17]. **NSW** [GN95]. **NT** [Ano01a, Bak98, BF98, CLP⁺99, FD97, GGGC99, PS00a, SFG98, TAH⁺01]. **NTRUEncrypt** [KY10]. **NTUG** [FF95]. **Nuclear** [BPG94, GA96]. **nuclei** [NS16]. **NUMA** [BCC⁺00a, BCC⁺00b, BFG⁺10, CAWL17, GTS⁺15, MKC⁺12, MMAH20, MJB15, OPW⁺12, SLN⁺12, TSCaM12, ZLP17]. **NUMA-aware** [MMAH20]. **NumaGiC** [GTS⁺15]. **Numba** [BS21]. **Number** [BP99, HT08, WHDB05, CCS19, CBYG18, Lan09, Stp20]. **Numeric** [MLGW18]. **Numerical** [ACMR14, BS93, BCP⁺97, CSW97, DHK97, DHP97, FK01, For95, FB94, HH14, Hol95, Hus98, IFI95, KM10, Kha13, McD96, NS20, NHT02, PKYW95, TDBEE11, TPV20, YKLD17, AL92, Boi97, BCM⁺16, CSW99, DFSW19, FP92, GS94, HD00a, JK10, KB13, Nob08, NHT06, Pri14, SMAC08, SU96]. **Numerically** [BKML95, BFLL99]. **nur** [BL94]. **Nutzung** [GEW98]. **NVIDIA** [GDS⁺20, GNP19, KC19, KME09, Seg10, VLMPs⁺18, XXL13, KKM15, Lan09]. **NVRAM** [MC18]. **NX** [Pie94, PR94a]. **NY** [IEE96f, PBG⁺95, Ree96, SS96]. **O** [Bos96, CFF⁺96, DRUE12, IRU01, IBC⁺10, KLH⁺20, LkLC⁺03, kLCC⁺06, LPJ98, MMD98, MV17, MC18, MGC12, MG15, NFK98, OWO98, PSK08, PLR02,

RK01, SBQZ14, SR98, Tha98, Tsu07, WSN99, ZJDW18]. **O2000** [CML04]. **O2WebCL** [CHKK15]. **Oberammergau** [BPG94]. **Object** [Ada97, BCFK99, CFKL00, FMSG17, MSL96, PD98, SWL+01, YHGL01, YX95, Ada98, BR91, DM12, LKL96, OKM12, RFH+95, SL94b, TDG13]. **object-based** [LKL96]. **Object-Oriented** [BCFK99, PD98, SWL+01, Ada98, DM12, OKM12, RFH+95]. **Objects** [KH15, Man01, MFC98, HS93, SOA11, SC95, YWO95, ZPLS96]. **Oblivious** [LZH17, LZH18, UALK17, UALK19, HSP+13]. **observations** [ZKRA14]. **observed** [CAHT17]. **Occam** [ACDR94, GN95, MC94, EM94, SHH94a, SHH94b]. **Ocean** [BS93, GAM+02, Bic95, Mal01, Nes10, Sch99, Wal00]. **Oceans** [IEE94c, IEE94c]. **OCLoptimizer** [FAFD15]. **OCM** [BoFBW00]. **OCM-Based** [BoFBW00]. **October** [Ano93f, Ano94e, Ano94i, Ara95, BPG94, Bha93, BDLS96, CHD07, CGB+10, DSM94, DLO03, DE91, FK95, GKG+93, IEE94f, IEE95a, IEE95g, IEE95j, IEE96b, IEE96c, IFI95, JB96, Kra02, Old02, OL05, Sch93, Sie92a, Sie92b, Tou96, USE00, UCW95, Vol93]. **octree** [JL18, TK19]. **octree-based** [JL18]. **ODE** [Ano97, Bra97]. **ODEs** [Pet97]. **OdinMP** [BB00]. **OdinMP/CCp** [BB00]. **Off** [CGS15]. **Off-Line** [CGS15]. **Offering** [EK97]. **Official** [Ano98]. **Offload** [BRU05]. **Offloading** [DFP+19, MGA+17, DSGS17, KBG16, MNYN21, SWCB20, TSEE21, TMT+20, WZW21]. **oft** [Rol08a]. **Oil** [FSXZ14, ZAFAM16]. **OKs** [Ano03]. **old** [LK14]. **OMB** [BWV+12]. **OMB-GPU** [BWV+12]. **OMIS** [LW97]. **Omni** [KSS00, KSHS01]. **OmniRPC** [SHTS01]. **OMP** [SGJ+03]. **OMP2001** [TSB03]. **OMP2012** [MBB+12]. **OMPI** [ACH+11, OM96]. **OmpSs** [ABF+17, BAC20, PSB+19, VLCM+20, YÁJG+15]. **On-Chip** [WYZ+19, TDG13]. **On-Demand** [CTK00, LSB+18]. **On-GPU** [LW20]. **On-Line** [BoFBW00, Wis98]. **On-the-fly** [KSJ14]. **ONC** [RS93]. **One** [BPS01, GFD03, GFD05, GBH14, GT01, HDB+12, LRT07, MH01, TGT05, TRH00, ZSG12, bT01a, DPFT19, DBB+16, GBH18, KW20, LSK04, MS99c, Ols95, PGK+10, dlAMC11]. **one-dimensional** [Ols95]. **one-layer** [dlAMC11]. **One-Sided** [BPS01, GFD03, GFD05, GT01, HDB+12, LRT07, MH01, TGT05, TRH00, ZSG12, bT01a, DPFT19, DBB+16, LSK04, MS99c, PGK+10]. **one-step** [KW20]. **only** [LS10, Squ03]. **Ontario** [GGK+93]. **onto** [OFA+15]. **OOMPI** [MSL96]. **OOPS** [RFH+95]. **OPAL** [CwCW+11, NW98]. **OPAL-MPI** [NW98]. **opaque** [SOA11]. **Open** [BGG+15, KDL+95b, WGG+19, AVA+16, KDL+95a, LSB+20, Nob08, GBS+07, VGRS16]. **Open-Source** [BGG+15, AVA+16, LSB+20, Nob08]. **OpenACC** [ACC+21, CGK+16, CCBPGA15, GML+16, GM18, HTJ+16, HY20, JCP15, KDHZ18, KLV15, Kom15, LLVM21a, LLVM21b, LBG+20, LB16, LSG12, LHZ+20, MGS+15, OGM+19, OGM+16, QHCC17, RLFdS13, SCJH19, STH22, Stp20, VGP+19, WLK+18, XJR21, XR21, EVMP20]. **OpenACC-based** [KLV15]. **OpenACC-like** [HY20]. **OpenACC-to-FPGA** [LLVM21a, LLVM21b]. **OpenCL** [ABDP15, APBcF16, ASAK19, AB13, BLPP13, BBC+19, BDW16, BN12, BS21, BHW+12, BBH+15, BAS13, CJPC19, CDD+13, CP15, CLOL18, CZP21, CIJ+10, CHKK15, CCS19, CCK12, CS14, CLBS17, CBIGL19, CBS18, DARG13, Di 14, DWL+10, DWL+12, FAFD15, FLMR17, FDG19, FE17a, FE17b, FSV14, FVLS15, dFdOSR+19, GScFM13, GDDM17, HSO+21, HHS18, HD11, HE15, HHC+18, JSS+15, JCP+20, JKM+17, JR13, JNL+15, JMdVG+17, KKM15, KH12, KM10,

KKLL11, KSL⁺¹², KJJ⁺¹⁶, KNH⁺¹⁸, KB13, KPK13, Lee12, LWKA15, LNK⁺¹⁵, LCH⁺²², LWZ18, LL16, LAFA15, MC17, MKP22, MAIVAH14, MTU⁺¹⁵, MSZG17, MZLS20, MHSK16, ÓN12, OTK15, ORA12, PS19a, PCY14, PHW⁺¹³, PSB⁺¹⁹, PSH⁺²⁰, PB12, RG18, RBW⁺²⁰, RBC20, RVKP18, RVKP19, RGD13, RBB15, RGB⁺¹⁸, RRJ⁺²⁰, RBB17, SFSV13, SPB⁺¹⁷, SAP16, SXXM⁺¹⁸, SSB⁺¹⁷, SG14, SFLD15]. **OpenCL** [SGS10, Str12, THS⁺¹⁵, TSEE21, TK16, TMW17, TKP15, TY14, TL19, WTTTH17, WHMO19, WZH16, WTS19, WQKH20, WYH⁺²¹, YSWY14, YWTC15, YSL⁺¹², ZWL⁺¹⁷, ZT17, dAT17, KB21]. **OpenCL-accelerated** [ZWL⁺¹⁷]. **OpenCL-Based** [CLOL18, MZLS20, WTTTH17, WZH16, JKM⁺¹⁷, SXXM⁺¹⁸, WHMO19]. **OpenCL-like** [TSEE21]. **OpenCL-to-WebCL** [CHKK15]. **OpenCL-written** [KNH⁺¹⁸]. **OpenCLC** [LSB⁺²⁰]. **openFabrics** [FCS⁺¹⁹]. **OpenFOAM** [TGS⁺²⁰]. **OpenGL** [Ano98, Bae20, LHZ97, ORA12, Rót19]. **OpenGL-** [Rót19]. **OpenHMPP** [AAB⁺¹⁶]. **openMosix** [Slo05]. **OpenMP** [Cha05, CZG⁺⁰⁸, CGKM11, CMMR12, EV01, JMS14, MdSC09, SHM⁺¹⁰, Vos03, OKM12, ST02a, ST02b, Add01, ARvW03, ABC⁺⁰⁰, AC07, AHD12, ADK22, AAB⁺¹⁷, AELGE16, ACC⁺²¹, ACMZR11, ATL⁺¹², ADT14, ACJ12, Ano97, Ano01b, Ano03, ABB20, AKE00, ADMV05, ADR⁺⁰⁵, ASB18, AML⁺⁹⁹, AGMJ06, AM07, ACD⁺⁰⁹, ABB⁺¹⁰, BST⁺¹³, BBB⁺²², BR02, BAE22, BHP⁺⁰³, BME02, Ben18, BN00, BF01, BBDH14, BWV⁺¹², BCC^{+00a}, BCC^{+00b}, BGK08, BGG⁺⁰², BS01, BS05, BBC⁺⁹⁹, BBC⁺⁰⁰, Bra97, Bri00, BDV03, BdS07, BGdS09, BFG⁺¹⁰, BGD12, BC00, BS07, BB00, BC19b, BK00, BKO00, BO01, BEG⁺¹⁰, BB18, CdOO⁺²⁰, CRE99, CE00, Car07, CB00, CGLD01, CDK⁺⁰¹, CLYC16, CM98, CMZ99, CHPP01, CBPP02, Cha02, CM05, CJvdP08, CGKM11, CMMR12, CLA⁺¹⁹, Cla98, CBYG18, CCM⁺⁰⁶, CCBPGA15, CC00b]. **OpenMP** [CF19, Dab19, DM98, DW02, DBVF01, DFP⁺¹⁹, DKB20, DSGS17, HD02a, DGH⁺¹⁹, DFC⁺⁰⁷, DFA⁺⁰⁹, ETWam12, EBB⁺²⁰, EM00a, EM00b, EV01, EdS08, FGRT00, FMSG17, FSG19a, FSG19b, FSXZ14, FM09, GSA08, GJP01, GSMK17, GG09, Goe02, GÁVRRL17, GSM⁺⁰⁰, GAM⁺⁰⁰, GAML01, GOM⁺⁰¹, GAM⁺⁰², Gra09, HPP02, HP05, HDDG09, HA10, HO14, HD02b, HDZ⁺²⁰, HMK09, HASnP00, HKN⁺⁰¹, HAJK01, HVSC11, HLCZ00, HT01, HCL05, HEHC09, HJYC10, HHSM19, HH22, HAA⁺¹¹, IJM⁺⁰⁵, ICC02, IOK00, ITT02, JCP15, JKHK08, JPOJ12, JFY00, JYJ⁺⁰³, JCH⁺⁰⁸, JJM⁺¹¹, JLG05, JR10, KB01, KS15a, KOB01, KaM10, KOI01, KN17, KKH03, KT02, KSJ14, KLR⁺¹⁵, KBVP07, KBG⁺⁰⁹, KQT⁺²¹, KSB⁺²⁰, KKV01, KT10, KH15, KAC02, KC06, Kuh98, KPO00, KLM⁺¹⁹, KRG13, KSS00, KSHS01, KJEM12, LOHA01, LP00]. **OpenMP** [LLRS02, LTS16, LBG⁺²⁰, LD01, LME09, LLC13, LHC⁺⁰⁷, LNW⁺¹², LRLG19, LHCW05, LYSS⁺¹⁶, LA02, LA06, LdSB19, LMRG14, LHZ98, LL01, LLH⁺¹⁴, MKC⁺¹², MS02b, Mal01, MV20, MM07, MB12, Mar02, Mar03, MLC04, Mar05, Mar09, MPD04, MCB05, Mat00a, Mat00b, Mat01a, Mat03, MGG05, MGC12, MG15, MM11, MFG⁺⁰⁸, MKV⁺⁰¹, MBE03, MRRP11, MMDA19, MMSW02, MKW11, MM14, MMS07, MJB15, MJPB16, MCdS⁺⁰⁸, Mü101, Mü102, Mü103, MBB⁺¹², MBA21, NO02b, Nak05a, NIO⁺⁰², NIO⁺⁰³, NEM17, NPP^{+00b}, NPP^{+00c}, NPP^{+00a}, NPP^{+00d}, NAAL01, NA01, NNON00, Nob08, NU05, NHT02, NHT06, OOS⁺⁰⁸, OP10, OPW⁺¹², PARB14, PPJ01, PVKE01, PK05, Per21, PZ12, PQR18, PRQ21, PGC02, PKE⁺¹⁰, Qui03, Ran05, RDLQ12, RLVRGP12, RBAA05, SSE12, SSB⁺¹⁶,

SHHI01, SHTS01, SKS01, SLGZ99, SGZ00].

OpenMP
[SPL⁺12, SdR⁺21, SHPT00, SSAS12, SK00, SB01, SBB20, SSB21, Stp02, Stp18, Stp20, SGL⁺20, SGS⁺21, Taf21, TCM18, TBS12, TS12a, TSB02, TTSY00, TSN21, TSS00a, THDS19, TSCaM12, TJPF12, Thr99, TBG⁺02, THH⁺05, TGBS05, TMT⁺20, VLSPL19, VLCM⁺20, VDL⁺15, VPS17, VGS14, VGP⁺19, Vos03, Vre04, Wal00, Wal02, Wan02, WCC12, WC15, WZW21, WJG⁺21, WMK⁺19, WPC07, WLYL20, WT11, WYLC12, WT12, WLYC12, WT13, YKW⁺18, YHL11, YWC11, YCL14, YKLD17, YPAE09, YSVM⁺16, YSMA⁺17, YYW⁺12, YCA18, ZAT⁺07, ZT20, ZWC21, ZSnH01, aMST07, dCZG06, vdP17, RM99, SSGF00, WCS⁺13, EVMP20]. **OpenMP*** [KDT⁺12]. **OpenMP-based** [ABB20, LNW⁺12]. **OpenMP-like** [BK00, BKO00, KOB01, VGS14]. **OpenMP-oriented** [MLC04]. **OpenMP-parallel** [HHSM19]. **OpenMP-style** [JPOJ12]. **OpenMP/MPI** [BEG⁺10, HMK09, LLC13, LYSS⁺16, MGG05, NO02b, Nak05a, SSB⁺16, SK00]. **OpenMPI** [DS22]. **OpenSHMEM** [HVA⁺16]. **OpenTuner** [BAG17]. **OpenUH** [HEHC09, LHC⁺07]. **Operating** [MMH98, RGD97, TL19, USE94, Wil93, ARS89, Sei99]. **operational** [KOS⁺95a]. **Operations** [BIL99, BIC05, CCA00, FCLG07, FPY08, GFD05, GLB00, PSM⁺14, PGAB⁺05, TRG05, TGT05, WRA02, ZLWW20, BMG07, DS13, HMS⁺19, IDS16, KHB⁺99, KMH⁺14, LFW20, MB21, PGAB⁺07, PKD95, SS99, TFZZ12]. **Operators** [DK20, KK19, NHT02, NHT06]. **opportunistic** [CC10]. **Opportunities** [LB16]. **optical** [MRH⁺96]. **Optimal** [BP99, GAMR00, ZGN94, BB95a, ER12, PQ07, PTL⁺16, Sur95a]. **optimiertes** [Sei99]. **optimisation** [AMuHK15]. **Optimising** [Boo01, FKH02]. **Optimistic** [SCL00, CXB⁺12, PY95]. **Optimization** [AEW⁺20, BSG00, BHNW01, DBA97, Goe02, HS12, Hus00, ITT02, KGK⁺03, KMH⁺14, LLVM21a, LLVM21b, LCY19, LdSB19, MC17, MBS15, Mül01, NIO⁺02, NIO⁺03, PSSS01, SM03, SvL99, SWH15, TRG05, WTTTH17, WJ12, AMKM20, BMS19, Cou93, DSOF11, DH22, FCS⁺12, HWS09, HDZ⁺20, KHS12, LME09, LDJK13, MALM95, PP16, PS19a, PMM95, SKS01, SDJ17, Stp20, Str12, TMW17, TMT⁺20, TFZZ12, VSW⁺13, Was96, XXL13, XR21, ZWC21].

Optimizations
[NSLV16, SSE12, iSYS12, TSS00a, BVML12, HLK⁺20, HEHC09, LL16, MV17, SSH⁺19].

Optimize [SdR⁺21, BBW19, GVF⁺18, GFIS⁺18, WLYC12]. **Optimized** [AKL16, ABG20, AMC⁺19, Bri02, FAFD15, MAIVAH14, PM95, PTH⁺01a, THS⁺15, THDS19, WJB14, BKvH⁺14, EBB⁺20, MMM13, Sei99]. **optimizer** [BHRS08, Rag96]. **Optimizing** [BGH⁺05, CXB⁺12, FMFM15, KKP01, MBE03, MZLS20, NSZS13, OM96, SSAS12, TGL02, TGT05, WK20, GS02, LHC⁺07, RKBA⁺13].

Options [RR00]. **Orange** [ACM98b]. **orbit** [CFF19, MBA21, SSN94]. **Order** [BL95, DFN12, LZH18, EVMP20, KN17, KME09, KEGM10, KB13, MYB16, OGM⁺16, THDS19]. **ordering** [Zah12]. **ordinary** [NF94, RBB15, SP11]. **Oregon** [ACM99, IEE93e, SW91]. **Organization** [BPC94, JFGRF12]. **Oriented** [Ada97, BCFK99, FMSG17, LYGG20, MSL96, PD98, YHGL01, ZL18, Ada98, BR91, CJPC19, CBIGL19, DM12, HDZ⁺20, MGC⁺15, OKM12, RFH⁺95, SWL⁺01, MLC04].

Origin [LL01, LSK04, ZSnH01]. **Origin2000** [Bri00, MH01]. **original** [RNPM13]. **Orlando** [ACM98b]. **Orleans** [IEE96b, USE95]. **ORNL** [Bor99]. **Orthogonal** [SSB21]. **orthogonality** [THMH21]. **OSCAR** [IOK00, Slo05]. **oscillations** [KHBS19]. **oscillator**

[BJ13, GSMK17]. **OSDI** [USE94]. **OSF** [Sch93]. **OSWALD** [RGB⁺18]. **Other** [OP10]. **OtOt** [DKF94b]. **Otto** [Ano96a, Ano99a, Ano99b, Nag05]. **out-of-core** [BL99]. **Output** [CFF⁺94, HE02, JWB96]. **Outstanding** [LSB15]. **Overcoming** [JKHK08]. **Overhauling** [BDW16]. **Overhead** [BR02, DFP⁺19, FST98a, XH96, CRGM16, KC94, KRS99, LZHY19, ZRQA11]. **Overheads** [BCG⁺10, BGdS09, BCM11, SS94]. **Overlap** [ADGA20, BRU05, DCPJ12, DCPJ14, MLAV10, PSK08, SH14]. **Overlap-and-Save** [ADGA20]. **Overlapped** [GPC⁺17]. **Overlapping** [KB01, kLCC⁺06, PKE⁺10, BBH⁺15, DJJ⁺19, MMM13]. **overlay** [BMS19, CXB⁺12]. **overlay-based** [CXB⁺12]. **oversubscription** [KC19]. **Overview** [CFF⁺96, Gre95, GL95c, Zol93, GHZ12, GPL⁺96, HHK⁺19, Wer95]. **OWL** [JKN⁺13]. **Ownership** [FHB⁺13]. **Oxford** [Boi97].

P [CAM12, WHDB05]. **P-RnaPredict** [WHDB05]. **P03M** [BJ93]. **P2P** [GR07, GGL⁺08, GJR09, RS19, SBG⁺02]. **P2P-MPI** [GGL⁺08, GJR09]. **P4** [KS96, Mat94, Mat95]. **PA** [ACM04, Ham95a, ACM96c]. **Pablo** [BFMT96a, BFMT96b]. **Pablo-based** [BFMT96a, BFMT96b]. **Pacific** [IEE95e]. **Package** [BKK20, BS93, HFB21, KCP⁺94b, KOW97, LW95, OD01, SYF96, TSN21, van97, BHW⁺12, BBH⁺15, CwCW⁺11, DFSW19, Gao03, KCP⁺94a, LFS93a, LFS93b, SL95]. **Packet** [MBES94]. **Packets** [Uhl94, Uhl95b]. **PaCT** [Mal95]. **PaCT-95** [Mal95]. **PACX** [FGRD01, KR09, RBB97b]. **PACX-MPI** [KR09, RBB97b]. **Page** [CML04, NPP⁺00c]. **pages** [Ano95b, Ano95c, Ano96a, Ano99a, Ano99c, Ano99b, Ano99d, Ano00a, Ano00b]. **Pagoda** [YSS⁺17, YSS⁺19]. **pairwise** [AMHC11]. **Palazzo** [GT94]. **PALLAS** [KVH97]. **Palm** [TSN21]. **Papers** [BDB⁺13, OL05, TB14, ACM90, CHD09, DKD07, GT19, IEE93a, IEE95c, KKDV03, MTW07, Old02, TH20, Ano93g, Cha05]. **PARA** [DW94, DMW96, Was96, CD96]. **parabolized** [SCC95]. **ParaCells** [SYL19]. **ParADE** [KKH03]. **Paradigm** [HIP02]. **Paradigms** [BGD12, CM98, DSU20, HD02a, HD02b, CdOO⁺20]. **Paradyn** [MHC94a, MHC94b]. **Paragon** [Ano96c, HWW97, MP95, PR94a]. **Parallel** [ACM95b, Ada97, ATC94, Agr95a, AMHC11, AGH⁺95, AS92, ADRCT98, AK99, AMBG93, ASA97, AL96, AP96, Ano95b, ACMR14, AB93a, AJF16, BHM94, BJ93, BBG⁺95, BCGL97, BKK20, BFLL99, BP99, BG95, BS93, BDG⁺91a, BKGSO2, Ben01, BP98, Bha93, Bic95, BGK08, Bis04, BALU95, BCL00, BSG00, BBG⁺99, BBC⁺00, BBG⁺01, BFZ97, BDL98, BDH⁺95, BDH⁺97, BT01b, BMS94b, BMPZ94a, BFM97, BKO00, BBH12, BGL00, CGC⁺02, CHD07, Cer99, CDZ⁺98, CCU95, CDK⁺01, Cha02, CGB⁺10, COE20, CNC10, CFF⁺94, CSW97, CMH99, CFPS95, CCSM97, Coo95b, CT94a, CT94b, CC00b, Cze16, DSM94, DK20, DERC01, DYN⁺06, DK13, DDP⁺19, Di 14, DI02, DAD19, DSS00, D⁺91, DKM⁺92, DGMJ93, DT94, DGH⁺19, DZDR95, DK06, DSCL05, EKT99, EGR15, EM00a, EM00b, EGDK92, EJM92, ES11, FGRD01]. **Parallel** [FHSO99, FJBB⁺00, FFP03, Fer98b, FHK01, dFdOSR⁺19, Fis01, For95, FP92, FB94, FS93, FF95, GCBM97, GLN⁺08, GBD⁺94, GKP97, GR07, GSI97, GSMK17, GDM18, GB98, GHL97, GK10, GFPG12, GJN97, Gre94, GLS94, GL97a, GLS99, GkLyCY97, HFB21, HJ98, HLP10, HO14, HK94, HK93, HK95, HHK94, HT01, HH22, HAA⁺11, IEE93b, IEE94a, IEE94f, IEE95h, IEE95f, IEE95g, IEE95j, IEE96b, IEE96c, IEE96g, IEE96e, IEE96d, IEE97b, IEE05, ITKT00,

IBC⁺10, IOK00, IDD94, IH04, IHM05, JAT97, JML01, JLG05, Jou94, JRM⁺94, KFA96, Kan12, KDHZ18, KK02a, KOI01, KNT02, Kat93, KBS04, Kep05, KmWH10, KR09, KSB⁺20, Kon00, KKP01, KMC96, KMC97, KS96, KKDV03, KKD04, KS01, KVH97, KHS01, Kuh98, KBG16, Kum94, Lad04, LTDD14, LTR00, LKD08, LSZL02]. **Parallel** [LTRA02, LHHM96, Li96, LZ97, LHZ97, kLCC⁺06, LPJ98, LO96, Lus00, MSOGR01, MMD98, MS02b, MM92, MC18, MWG97, dlFMBdlFM02, Mar06, Mar07, MFTB95, MSCW95, Mat16, Mat94, Mat95, MSM05, MBS15, MGC12, MG15, MRB17, MYK19, MM11, Mic93, Mic95, MTWD06, MCLD01, MS95, MCdS⁺08, MBB⁺12, MSB97, NO02b, NO02a, Nak03, Nak05a, Nak05b, NSZS13, Nar95, NSS12, NAJ99, NJ01, NFK98, Nov95, NMC95, Oed93, OWO98, OP10, OLG01, Ong02, Ott93, OWSA95, Pac97, PPT96a, PVKE01, Pat93, PSZÉ00, PV97, Per99, Per21, Per96, PRQ21, PLR02, PWPDP19, PKB⁺16, PBC⁺01, Qui03, RR00, RDMB99, RJ21, RBS94, Ree96, RS95, RC97, RSV⁺05, Röhh00, Rol94, RWD09, RTL99, RLL01, SCP97, SPE95, SGZ00, Sch01, Sch96a, Sch96b, Seg10, Ser97, Sev98, She95, SSLMW10]. **Parallel** [SM03, SP99, Sie94, Sie92a, Sie92b, SR98, Sin93, STV97, SWH15, Sou01, SBB20, SSB21, Sta95b, Ste94, SSN94, SGS10, Str96, Str97, Str94, SNMP10, Sun90a, Sun90b, Sun94a, Syd94, TMP16, TSS00b, TTP97, TC94, TCP15, TQDL01, THN00, TDBEE11, Tsu07, TVV96, Uhl94, Uhl95b, UH96, UCW95, VLO⁺08, VRS00, VB99, WH96, Wal01a, Wel94, WAS95b, WHDB05, WO97, WSN99, WMC⁺18, WTR03, WT12, YM97, YHGL01, YH96, YPA94, YG96, YTH⁺12, YZPC95, YSL⁺12, ZTD19, ZJHS20, ZB94, ZZ04, ZDR04, ZWLZ21, ZWJK05, ZAT⁺07, ZLS⁺15, ZZZ⁺15, ZWC21, ZGC94, ZB97, van97, ACM97a, ARvW03, APBcF16, ART17, AAAA16, AD98, AL92, ABF⁺17, ASCS95, ADT14, AD95, ACJ12, Ano93h, Ano95c, Ano00b, ADB94, AV18, ADDR95, AB93b, AFST95, AB13, AGIS94, ADMV05, ASB18]. **parallel** [Bhj96, BBB⁺94, BR91, BA06, BHS18, BB95a, BCAD06, BB93, BDG⁺92b, BB94, BPC94, Ben95, BvdSvD95, BKH⁺13, BAV08, BN00, Bir94, BCM⁺16, BKML95, Bos96, BFMR96, BID95, Bri95, Bru95, BDW97, BSH15, BB95b, CARB10, CL93, CGK11, Cav93, CLdJ⁺15, CLSP07, CT13, CLYC16, CKmWH16, Cha05, CJvdP08, Cha96, CGL⁺93, CEGS07, CH94, CZ96, Che99, CIJ⁺10, CS96, CSW99, CCS19, Cla98, CEF⁺95, CDD⁺96, CdGM96, CBHH94, Coo95a, CCHW03, CLLASDPDP99, CFF⁺96, CPR⁺95, CD01, CDH⁺94, CKP⁺93, CB11, DMK19, DKF93, DKF94b, DR18, DLR94, DLRR99, DDS⁺94, DR94, DSZ94, DM93, DRUE12, DBVF01, DKD05, DvdLVS94, DXB96, DMW96, DLM99, DKP00, DLO03, Duv92, DZZY94, EASS95, EVMP20, EV01, FB96, FFB99, FM90, FO94, FSTG99, Fer98a, FMS15, FCS⁺12, FKK⁺96b]. **parallel** [FFM11, FHC⁺95, GG99, GCN⁺10, GGL⁺08, GBF95, GKD⁺18, GG09, GFB⁺14, GÁVRR17, GDMME22, GSM⁺00, GKS⁺11, GEW98, GKK09, GKCF13, Gra09, GP95, HHS18, HAM95b, HPY⁺93, HD00a, HWS09, HDZ⁺20, Heb93, HPS⁺96, HZ94, HZ99, HPLT99, HDB⁺13, HVSH95, Hol95, HH95, HLOC96, HVSC11, HHSM19, HLO⁺16, IEE97a, IM95, JWB96, JC17, JY95, JJM⁺11, JC96, JMdVG⁺17, KCD⁺97, KHBS19, KOB01, KBP16, KN17, KOS⁺95a, KTXP21, KB21, KC19, KL95, Kos95b, KSS⁺18, KRC17, KG93, KFSS94, Kra02, KKJ⁺08, KH10, LM99, LCL⁺12, LH98, LS10, LZC⁺20, LCVD94a, LGMdRA⁺19, LMM⁺15, Lou95, LG93, LM13, LL95, LC97b, LSR95, MMR99, MYB16, MMB⁺94, MZK93, MV20, MM95, Mar05, MSP93, MW21, MK00, MN91, MHC94a, MRRP11, MALM95, MLA⁺14, MRH⁺96, MMH99, Mor95, MC99].

parallel [MR96, MvWL⁺10, NSBR07, Neu94, NB96, NBGS08, NCKB12, NF94, OdSSP12, Ols95, Olu14, OW92, PHA10, PPT96b, PPT96c, PKB06, PBG⁺95, PNV01, PBK99, PPF89, PY95, PBPT95, PSLT99, PCS94, Ram07, RJC95, RGP22, RBB15, Rol08b, RBB17, SJLM14, SWCB20, SM12, SSKF95, SH94, Sch94, Sch99, SPK96, SBF94, SWYC94, SK92, SCC96, SL00, SMAC08, SZ11, SPL99, SMS00, SVC⁺11, Smi93b, STT96, SH14, SRK⁺12, SLS96, Sta95a, Sti94, SMSW06, Sun95, Sur95a, Sut96, Swa01, SL95, TJD09, THDS19, TDB00, TGKL19, TMPJ01, Uhl95a, Uhl95c, VM95, Vis95, Vos03, Wan97, WZW21, Was96, Was95a, WK08a, WK08b, WK08c, Wol92, WT11, WYLC12, WLYC12, WMP14, YULMTS⁺17, YHL11, YWC11, YBZL03, YYW⁺12, ZL96, ZWHS95, ZAFAM16, ZWL13, ZJDW18, ZT20, ZWL⁺17, dH94, ARL⁺94, Ano94e, Ano94f, ACDR94].

Parallel [BDLS96, BS94, BG94b, Bos96, CC95, Cza13, DSM94, DHK97, DW94, Edd18, EJL92, FR95, FF95, GN95, JPTE94, JPP95, KKD05, Kum94, LK10, LkLC⁺03, Mal95, MKP⁺96, OKW95, PQ07, QRG95, SSSS96, SPE95, Stp02, TDBEE11, TGEM09, Vol93, Vre04, WN10, YC98, ZPLS96, ZDR01, ZHS99].

Parallel-in-time [HFB21].

parallel-programming [KKJ⁺08].

parallel/distributed [FHC⁺95, Wan97].

parallele [GEW98]. **paralleles** [BL94].

Parallelisation [SJK⁺17a, SJK⁺17b, WCVR96, LF93b].

Parallelism [CGC⁺11, EdS08, EK97, FKKC96, GLP⁺00, GAM⁺02, GPC⁺17, DK02, KT02, Mar03, MGA⁺17, MMS07, MdSC09, RBAA05, SHM⁺10, SML17, SML19, SGZ00, SGL⁺20, TCM18, TTSY00, TPK⁺19, Thr99, YPAE09, ATL⁺12, AML⁺99, BK11, BR12, BS01, BS05, CCM12, GAM⁺00, HSP⁺13, HSE⁺17, HK09, HY20, JC17, JPOJ12, Kos95b, MMAH20, OPP00, RKBA⁺13, SLGZ99, SHPT00, THH⁺05, TWFO09, WO09, WTFO14, WRSY16, WZW21, YZ14, PGdCJ⁺18].

Parallelization [AL93, And98, AAB⁺16, AIM97, BCM11, BS07, CRE99, CP97, Cou93, CF19, Cza03, ETV94, HA10, JR10, Kik93, KLR⁺15, LP00, MB18, OD01, Pok96, QMGR00, Rag96, RP95, RM99, RS97, SAS01, WPL95, WZWS08, WR01, aMST07, ACC⁺21, ABB20, AGMJ06, BW12, BDY99, BJS99, CDD⁺96, FSG19a, Gao03, Goe02, IDS16, IJM⁺05, JL18, JJY⁺03, JMS14, KS15a, KD12, KRG13, MCB05, MGG05, MMDA19, Nes10, NEM17, OLG⁺16, Stp18, TWFO09, VBLvdG08, ZT20].

parallelize [JKN22].

Parallelized [FBSN01, OMK09, AiIS⁺21, DFSW19, KMG99, OKM12].

parallelizer [BHRS08].

Parallelizing [BST⁺13, Car07, GGH99, IOK00, IKM⁺01, IKM⁺02, SR95, ZZ95, AMS94, BY12].

Paralleldatorcentrum [Eng00].

Parallizing [LRQ01].

parameterizable [JCP⁺20].

parameterized [CT13].

Parameters [GFV99, BAG17, KSC⁺19].

Parametric [LLG12, Pat93].

parametrised [TGS⁺20].

Paramid [Ste94].

Paraperm [LTDD14].

Paraprox [SJLM14].

Parasite [LLRS02].

paravirtualization [SBQZ14].

ParCo93 [JPTE94].

PARCOACH [SCB14].

PARCS [LD01].

Paris [CHD07, Har94, Har95].

Parity [MC17].

Parix [HVSH95, RS95, SHH94a, SHH94b].

Park [SL94a, IEE93c].

PARKBENCH [DHS96, DH95].

PARMACS [GR95, HZ96, HZ99].

PARMACS-to-MPI [HZ96].

ParNSS [HSMW94].

PARRAY [CCM12].

parsing [Sur95a].

Parsytec [SHH94a, SHH94b].

part [VSRC95, EM00a, EM00b, GK10].

Partial [DERC01, DLV16, FSSD17, KK02b, MK17, MFTB95, MH18, MKK21, OM96, ST17].

partially [CdGM96].

Particle

[GSI97, KHS01, NSLV16, RBP⁺²¹, ZZ04, BAS13, CFF19, FFFC99, GSMK17, KPK13, RFH⁺⁹⁵, VDL⁺¹⁵]. **particle-based** [FFFC99]. **particle-in-cell** [VDL⁺¹⁵]. **particle-mesh** [BAS13]. **particulate** [ATL⁺¹²]. **Partition** [DAD19, PS19a]. **partitioned** [DWS⁺²¹]. **Partitionierung** [Gra97]. **Partitioning** [CTK01, DAD19, kL11, SPB⁺¹⁷, STV97, WJG⁺²¹, CT13, Cha96, Gra97, GKCF13, YST08]. **Partitioning-Based** [WJG⁺²¹]. **partners** [Str94]. **Pasadena** [IEE95c]. **Pascal** [GDS⁺²⁰, KC19]. **PASCO** [ACM97a]. **passage** [PTMF18]. **Passing** [AMHC11, Ano93d, AKL99, Att96, BC19a, BZ97, BC14, BBH⁺⁰⁶, BBG⁺⁹⁹, BBG⁺⁰¹, BRU05, BDH⁺⁹⁵, BDH⁺⁹⁷, BGR97b, BFM97, CHD07, Cer99, CGH94, Cot97, Cot98, CTK00, Cot04, CDND11, DFKS01, DKD08, DHHW92, DHHW93a, DDL00, FKKC96, FKS96, FGT96, Fos98, FGG⁺⁹⁸, FB94, GR07, GB96, Gle93, GLRS01, GLS94, GL95c, GLDS96, GLT99, GLS99, GLT00b, GLT00a, GL04, IBC⁺¹⁰, KTF03, KGRD10, KS97, KSV01, KKDV03, KKD04, KKD05, LKD08, LK10, Luo99, MPI98a, MPI98b, MTSS94, MS98, MSL96, MBES94, MG97, MTWD06, MSS97, NW98, PBK00, Pok96, PS01b, RRBL01, RWD09, RFG⁺⁰⁰, SWHP05, SWL⁺⁰¹, ST02b, TGT05, TDB00, TBD12, WD96, Wer95, Wis97, YHGL01, ZG95a, ZG96, ZLL⁺¹², Ada98, AD98, AAC⁺⁰⁵, Ano93e, Ano94d, Ano95c, Ano00a, Ano00b, BL97, BvdSvD95]. **passing** [Bjo95, Bru95, BDW97, BFIM99, CGJ⁺⁰⁰, CDZ⁺⁹⁸, CRD99, CD01, DKF93, DM93, DKD05, DS96b, DHHW93b, DOSW96, DLM99, DKP00, DLO03, FK94, FHB⁺¹³, GL92, HP05, HPY⁺⁹³, Hem96, JKN22, KJA⁺⁹³, Kra02, LR06a, LBD⁺⁹⁶, wL94, LCY96, LMM⁺¹⁵, LC97b, MP95, NS91, PS07, PKB06, Pie94, PR94a, PS00b, Sei99, SWJ95, SDV⁺⁹⁵, SZ99, SSG95, Sti94, TSZC94, VM95, Wal94a, Wal94b, ZWL13, ZKRA14, DiN96, GGHL⁺⁹⁶, Han98, Hem94, RRFH96, SLG95, Wer95, YGH⁺¹⁴]. **Past** [Dar01]. **Path** [CGPR98, GSYT21, GAMR00, SDJ17, SLN⁺¹², Zel95]. **path-based** [SLN⁺¹²]. **pathological** [LCH⁺²²]. **Pathway** [CNM11]. **PATOP** [BFBW01]. **Pattern** [CSW12, CC17, JJPL17, RDMB99, MAS06, SJLM14]. **pattern-based** [SJLM14]. **Pattern-Independent** [CSW12]. **Patterned** [ST17]. **Patterns** [DMMV97, FPY08, KB98, MSM05, PKB⁺¹⁶, Pro21, RRAGM97, SGH12, SR98, DZZY94, GÁVRRL17, HGMW12, LGMdRA⁺¹⁹, PM95, PSK⁺¹⁰]. **PC** [AH00, CDT05, EKTB99, KS01, LKYS04, RLL01, Ste00, WLYC12, YST08, YL09, ZJHS20, MMB⁺⁹⁴]. **PC-Cluster** [RLL01]. **PCAT** [ACDR94, GN95]. **PCAT-93** [ACDR94]. **PCAT-94** [GN95]. **PCG** [BJS97]. **PCI** [GK97]. **PCI-based** [GK97]. **PCRCW** [BS94]. **PCs** [CRE99]. **PCSC** [LM94]. **PCTE** [HZ94]. **PCTRAN** [KHS01]. **PDCS** [YH96]. **PDE** [GBR15, KTXP21, NHT02, NHT06, NPS12]. **PDES** [PT01, SCL00, SCL01, CdOO⁺²⁰, HO14, HHA95]. **PDGC** [CGB⁺¹⁰]. **PDP** [IEE96g]. **pearl** [HLK⁺²⁰]. **Peer** [GR07]. **Peer-to-Peer** [GR07]. **PELCR** [PQ07]. **PEMPI** [FB95]. **PEMPIs** [MOL05]. **Pennsylvania** [ACM96b, IEE94d]. **pentadiagonal** [GNP19, Kan12]. **Pentium** [Ano03]. **Pentium(R)** [SBT04]. **PENTRAN** [KHS01]. **people** [ASCS95, Ano94i]. **per-triangle** [SOA11]. **perception** [CLM⁺⁹⁵]. **perceptual** [WPL95]. **perform** [CBIGL19]. **Performance** [ACM97b, ACM98a, ACM98b, ACM00, ACM01, ACM04, AC07, ATM01, AR01, Ano01a, Ano01b, ADR⁺⁰⁵, AJC⁺²⁰, Bak98, BBGL96, Ben18, BN00, BS21, BBDH14, BGG⁺⁰², BY12, BRM03, BRST94, BS07, BDL98, BCKP00, BHNW01, BFMT96b,

BFBW01, BEG⁺¹⁰, CGK⁺¹⁶, CVPS19, CDD⁺¹³, CRE99, CDJ95, CGLD01, CBB⁺²¹, CNM11, Che99, COE20, CSC96, CCBPGA15, DPSD08, DM95b, DW02, DZ98b, DPP01, DWL⁺¹⁰, DBK⁺⁰⁹, EGH99, EGC02, EML98, EML00, FD02a, FGRT00, FCP⁺⁰¹, FSC⁺¹¹, FST98b, FGKT97, GFD03, GKP96, GGS99, GBH99, GFIS⁺¹⁸, GRRM99, GBS⁺⁰⁷, GC05, GMdMBD⁺⁰⁷, GSY⁺¹³, HVA⁺¹⁶, HKN⁺⁰¹, Hol12, HF14a, HF14b, HPS95, Hus98, IEE92, IEE93c, IEE94g, IEE95k, IEE96a, IEE96f, IEE97c, IFI95, IRU01, IHvA⁺⁰⁰, IADB19, JSS⁺¹⁵, JC17, JCH⁺⁰⁸, JS13, JLG05, KDSO12, KaM10, KL94, KH12, KBS04, KBM97].

Performance

[KC19, KKP01, KH15, KC06, KK02b, KHS01, KSS00, Laf01, LAdS⁺¹⁵, LWSB19, LCK11, LC97a, LB98, LGCH99, LNK⁺¹⁵, LH98, LC93, LkLC⁺⁰³, LWZ18, LNW⁺¹², LRLG19, LS10, LCW⁺⁰³, LVP04, LWP04, LDCZ97, LZHY19, LC97b, LKYS04, MMB⁺⁹⁴, MKP⁺⁹⁶, MPD04, ME17, MGMH97, MGC12, MM02, MM03, MOL05, MS99a, MHC94b, MMSW02, MK04, MCLD01, MMH99, MM14, MMS07, MZLS20, NSLV16, NMW93, NFK98, NPP^{+00d}, NMS⁺¹⁴, NN95, OTK15, OPJ⁺¹⁹, OF00, OLG01, PARB14, PKB01, PHJM11, PZ12, PR94b, PFG97, PGAB⁺⁰⁵, PGAB⁺⁰⁷, PGC02, PY95, PTH^{+01b}, PS01b, QHCC17, QB12, Rab98, RBB97a, RBB97c, RH01, RRAGM97, Ros13, RST06, SGJ⁺⁰³, SPM⁺¹⁰, SLJ⁺¹⁴, SWHP05, SCP97, SEF⁺¹⁶, SPL⁺¹², SCSL12, SM02, SM03, SSC97, SJ02, SSSS97, SC96b, SKH96, SJK^{+17a}, SJK^{+17b}, TSB02, TSB03, TTSY00]. **Performance** [Ten95, Tha98, TBG⁺⁰², TGT10, Trä12b, TFGM02, TFZZ12, VFD02, VY02, WZM17, WQKH20, WN10, WAS95b, WM01, WT11, WT12, WT13, WYZ⁺¹⁹, XF95, XH96, XXL13, YC98, Yan94, YWC11, YS93, YWCF15, YSP⁺⁰⁵, ZLGS99, ZWLZ21, ZWJK05, ZHK06, Zho21, ZSnH01, ABDP15,

Ahm97, ADLL03a, ADLL03b, Ano03, AFST95, BDP⁺¹⁰, BAE22, Ber96, BPJ22, BDV03, BFM96, BFMT96a, BFIM99, CRE01, CAHT17, CLYC16, CBPP02, CBM⁺⁰⁸, CHKK15, DM95a, DL10, DO96, D⁺⁹⁵, DWL⁺¹², DE91, Duv92, EFR⁺⁰⁵, ESB13, FAF16, FD02b, FE17a, FE17b, FSV14, FME⁺¹², Fin97, GVF⁺¹⁸, GS02, GGC⁺⁰⁷, GK97, GR95, GHZ12, GML⁺¹⁶, GSM⁺⁰⁰, GL96, GLDS96, GL97c, GL99, GWVP⁺¹⁴, HDDG09, HLK⁺²⁰, HW11, HGX⁺²², HASnP00, HAJK01, HMS⁺¹⁹, HK10, HVSC11, HHA95, HG12, HcF05, JKHK08, JJM⁺¹¹, JKN⁺¹³, KBP16, KKM15, KS13, KSC⁺¹⁹, LBD⁺⁹⁶].

performance

[LTLC94, LFS⁺¹⁹, LC07, LML⁺¹⁹, LBH12, LCY96, LB96, LL01, LKJ03, LSK04, MC17, MP95, MSMC15, MSW⁺⁰⁵, MSL12, MKP22, MABG96, MHC94a, MSZG17, MJPB16, MGC⁺¹⁵, NU05, NFG⁺¹⁰, OIH10, Old02, PGS⁺¹³, PS19a, PHW⁺¹³, PGK⁺¹⁰, PF05, PMZM16, PTW99, Rab99, RMS⁺¹⁸, RPS19, Reu03, RGDM15, RJDH14, Sep93, SFO95, SPBR20, SWJ95, Slo05, SVC⁺¹¹, SK00, SFLD15, TMC09, TSP95, TG09, THM⁺⁹⁴, VDL⁺¹⁵, Wor96, XR21, YCL14, ZSK15, ZWL13, ZGZS20, dAT17, HS95a, GH94, LCHS96, SSH08]. **performance-aware** [MSMC15]. **Performance-based** [YWC11]. **Performance-Driven** [LWSB19]. **Performance-Neutral** [CBB⁺²¹]. **Performance-Portable** [JSS⁺¹⁵, DWL⁺¹⁰, DWL⁺¹², FAF16]. **performance-prediction** [BDV03]. **performance/cost** [GWVP⁺¹⁴]. **performance/power** [RPS19]. **Performances** [GFV99, DS96b, IM94]. **Performing** [CC99]. **Peridynamic** [MSZG17]. **Periscope** [LGG16]. **perishable** [OHG19]. **Permutations** [CC99, LTDD14]. **Persistent** [Man01, SG12, HMS⁺¹⁹]. **Persistent-Sets** [SG12]. **Personal** [SSSS97]. **personalized** [BHI96].

perspective [Sni18]. **perturbation** [KN17]. **Perverse** [Rol08a]. **PES** [MK94]. **Pessimistic** [BCH⁺03]. **petaflops** [LSG12]. **Petascale** [CGKM11, CBYG18, ZWL13, Gei01]. **Petersburg** [Mal95]. **Petri** [CNM11]. **PFACC** [HY20]. **PFSLib** [LL95]. **PGAS** [SWS⁺12, SJK⁺17a, SJK⁺17b]. **Phase** [CBL10, DH22, ED94, TKP15, TG94, ZAFAM16]. **phase-field** [TKP15]. **PHAT** [BBC⁺19]. **Phi** [BB18, CBIGL19, DSGS17, MTK16, OTK15]. **Philadelphia** [ACM96b]. **PhiTM** [MMDA19]. **PHOENICS** [SZBS95b, SZBS95a]. **Phoenix** [ACM03, IEE95b, Ten95]. **Photo** [JFGRF12]. **Photonic** [ILLmH⁺21]. **Phylogenetic** [MR12, LBH12]. **Physical** [BM97, GJN97, SR98, GWVP⁺14]. **Physics** [GT94, KH15, VW92, WBH97, ANS95, BPG94, DMW96, SPBR20]. **PIC** [BDV03, HTJ⁺16, JL18]. **Picos** [YÁJG⁺15]. **Pilot** [OS97, CGG10]. **PINEAPL** [DHK97]. **Pinhole** [NH95]. **Pipe** [MTU⁺15]. **Pipeline** [GAMR00, KB21]. **Pipelined** [GAML01]. **Pipelines** [MAGR01, FWS⁺17, RKBA⁺13]. **pipelining** [MM11]. **Pisa** [Sil96]. **Pitaevskii** [LBB⁺16, LYSS⁺16, SSB⁺16, YSVM⁺16, YSMA⁺17]. **Pittsburgh** [ACM96c, ACM04, Ham95a, IEE94d]. **Place** [IEE94e, LTS16, BCK⁺09, HSE⁺17, PSHL11]. **placement** [DJJ⁺19, SLN⁺12, SPK⁺12]. **Planck** [Ano94c]. **Planing** [GAMR00]. **Planning** [HMS⁺19, Zel95]. **plant** [FO94]. **PLAPACK** [van97]. **plasma** [JL18, DGH⁺19, YKLD17]. **Plasmafusionsforschung** [BL94]. **plasmas** [CFF19]. **Platform** [BKGS02, BB18, NO02b, PGF18, WTTH17, BSH15, CB11, Cza13, DWL⁺10, DWL⁺12, HTJ⁺16, HHA95, JPL22, JR13, KSC⁺19, NO02a, XXL13, YSL⁺12]. **Platforms** [AIM97, COE20, HSO⁺21, HD00b, JML01, OPJ⁺19, RVKP19, ZB97, BBC⁺19, EYP⁺20, GGC⁺07, GFB⁺14, MBBD13, TKP15, TS12b]. **Plesset** [BL95, KN17]. **PLIERS** [MMR99]. **plug** [MS99b]. **plug-in** [MS99b]. **plume** [JL18]. **plus** [HDB⁺13, Stp18]. **PMaC** [PTL⁺16]. **PMD** [Che99]. **PML** [Ram07]. **PMPIO** [FWNK96]. **PMPIO-a** [FWNK96]. **pocl** [JSS⁺15]. **Point** [GBS⁺07, HC10, KV98, LWSB19, TSN21, ADLL03a, ADLL03b, WK20]. **Point-to-Point** [GBS⁺07, HC10, KV98, ADLL03a, ADLL03b, WK20]. **Pointer** [WYH⁺21]. **Pointer-Based** [WYH⁺21]. **Pointers** [LRT07]. **Poisson** [BP98, WJB14]. **Poland** [BDW97]. **Polder** [OS97]. **Policies** [CML04, PZ12, OHG19]. **policy** [MMM13]. **Polling** [DCPJ12, Pla02, DCPJ14, SH96]. **Pollutant** [RSV⁺05]. **Pollution** [AKK⁺94, BZ97, MPD04, MSML10, SH94, Syd94]. **POLSYS_GLP** [SMSW06]. **polygonization** [TSP95]. **polygons** [CT13]. **polyhedral** [BHRS08, KGB⁺09]. **polymers** [JAT97]. **Polynomial** [VY15, HLM⁺17, SMSW06]. **port** [CCHW03, Har94, RJMC93]. **Portability** [KaM10, RS95, RH01, ABDP15, CGK⁺16, FE17a, FE17b, HHS18, MGC⁺15, PHW⁺13, QHCC17, Reu03]. **Portable** [Ano95c, Ano00b, BHV12, BHLS⁺95, CDH⁺94, DHK97, Di 14, FCLG07, FSL98, GLS94, GL97a, GLS99, JSS⁺15, LNLE00, Man98, MKV⁺01, MG97, PPT96a, PBC⁺01, SSCC95, STH22, SDB⁺16, Sti94, Tra98, WCS⁺13, YBMCB14, YT20, Arn95, BCK⁺09, BfDA94, BB00, BL99, BAS13, CJvdP08, CH94, CEF⁺95, DWL⁺10, DWL⁺12, FAF16, FWNK96, GR95, GL94, GS94, GLDS96, HTJ⁺16, HZ94, HSW⁺12, JC96, KN95, LFS93a, LFS93b, LHC⁺07, MMB⁺94, PPT96b, PPT96c, PMZM16, SSH⁺19, SFLD15, Sto98, VM95]. **portal** [AASB08]. **portals** [BS96b, BMR02, BRM03]. **Portfolio** [SIS17]. **Portfolio-driven** [SIS17]. **Porting** [Ano96c, BBB⁺22, BSC99, BLW98, EM02,

HSO⁺21, Har94, Har95, HASnP00, KGK⁺03, KME09, SR96, YKLD17, dCH93, BvdB94, HD11, LBG⁺20, MWO95, ZPLS96]. **Portland** [ACM99, ANS95, IEE93e, SW91]. **Portugal** [IEE93d, IEE96g]. **Positron** [Pat93]. **POSIX** [LD01]. **Post** [BBH⁺13b, Wit16, ABC⁺00]. **Post-failure** [BBH⁺13b]. **Post-ISA** [Wit16]. **Poster** [JJPL17, LZH17]. **POSYBL** [Mat94]. **Potential** [EGC02, Gro01a, KS15a]. **potentials** [THDS19]. **Potts** [KO14]. **POV** [FFB99]. **POV-Ray** [FFB99]. **Power** [DDN⁺22, LWZ18, LB96, EZBA16, FO94, HK10, Nel93, RPS19, SM19, Bri95, DDN⁺22]. **Power-Efficient** [DDN⁺22]. **Powered** [NE98, RTN21]. **PP** [IEE96d]. **PPARDB** [PPT96b, PPT96a, PPT96c]. **PPARDB/PVM** [PPT96b, PPT96c]. **PPPE** [CDH⁺94]. **PPSN** [DSM94]. **PPT** [BAE22]. **PPT-Multicore** [BAE22]. **Practical** [ACC⁺21, BHJ96, BCP⁺97, CZG⁺08, RHG⁺96, TGBS05, AMS94, BHR08, LPD⁺11, McK94, Pan95b, VVD⁺09, WDR⁺19]. **Practice** [ACM11, GN95, ZGZS20]. **Praktische** [MS04]. **Pre** [AC17]. **Pre-processor** [AC17]. **Precedence** [EGR15]. **Precedence-Constrained** [EGR15]. **Precise** [FJK⁺17]. **Precision** [Ano98, Kha13, ZC10, JPT14]. **Precisions** [HDW21]. **Preconditioned** [GFPG12, ABF⁺17, MM92]. **Preconditioner** [BBS99, FSXZ14]. **Preconditioners** [Huc96]. **Preconditioning** [MYL21, Nak03, GGC⁺07]. **predictability** [GRRM99]. **Predicting** [RRAGM97]. **Prediction** [MOL05, WHDB05, ZWJK05, ADR⁺05, BAE22, BDV03, CMV⁺94, HHA95, RBAI17, SEC15, SC96b, SSN94, Was95a, ZAT⁺07]. **Predictive** [FJK⁺17]. **Preemptive** [BBH⁺06, BBGL96]. **Preface** [DKD07, OL05]. **Prefetching** [BIC⁺10, KC19]. **Prefix** [WJ12, DK13, MYB16]. **Preliminary** [BF98, Wal01a, WLK⁺18, RJC95, RLFdS13, SWS⁺12]. **PREMER** [VBB18]. **Preprocessors** [Ano01a]. **prescription** [MRH⁺96]. **Present** [Dar01]. **presented** [ACM90]. **preservation** [IEE94c]. **Preserving** [RNPM13]. **Press** [Ano95b, Ano95c, Ano96a, Ano99a, Ano99c, Ano99b, Ano99d, Ano00a, Ano00b, Edd18]. **Pricing** [RR00]. **Primitives** [DDL00, FST98a, ZLWW20, ABDP15, CIJ⁺10, STP⁺19]. **Princeton** [Bha93]. **principles** [BSC99, HS12, SSP⁺94]. **printing** [YM97]. **priority** [DR95, Man98]. **Prism** [SDN99]. **private** [Str94]. **privatization** [KRG13]. **Probabilistic** [LadS⁺15]. **Probability** [QRMG96, Sta95b]. **Problem** [BSH15, DALD18, DAK98, GAMR00, ICC02, Lee06, MTSS94, RLVVGP12, ZSnH01, AB93b, DSM94, GM94, GKCF13, GADM20, HMKV94, IHM05, MM92, RRJ⁺20, SL00, SP11, TSCS14, Cza13]. **Problems** [ASA97, BHM94, BHM96, BMR01, BPMN97, CGPR98, EML98, HAA⁺11, DK02, LSM⁺18, MBS15, Nak03, Riz17, AL96, CEGS07, FR95, JRG21, LSR95, NZZ94, OMK09, SC96a, SD99, TGS⁺20]. **procedure** [AGLv96]. **Proceedings** [ACM94, ACM96c, ACM97a, ACM97b, ACM98b, ACM04, ACDR94, CJNW95, GN95, Hol12, IEE93f, IEE95d, IEE02, KG93, LCK11, MC94, RV00, R⁺92, SM07, Ten95, TG94, dGJM94, ACM96b, Ano94e, Ano94i, BPG94, Boi97, BH95, CLM⁺95, DSZ94, DE91, EYL92, FF95, GHH⁺93, HK95, HHK94, IEE94a, IEE94b, IEE94c, IEE95b, IEE95e, IEE96a, IEE97c, IEE05, JPTE94, Kum94, LF⁺93a, Li96, PSB⁺94, PBPT95, SPE95, SW91, WPH94, ACM90, ACM95a, ACM05, ACM06b, ACM06a, ATC94, Agr95a, AGH⁺95, AH95, Ano89, Ano92, Ano94a, BBG⁺95, Bha93, CHD07, CZG⁺08,

CGKM11, CMMR12, CGB⁺¹⁰, CDND11, DKM⁺⁹², DT94, DLO03, EV01, EdS08, ERS95, ERS96, Fer92, FK95, Gat95, GGK⁺⁹³, GA96, GT94, Ham95a, HS94, HK93, IEE91, IEE92, IEE93d, IEE93c, IEE93b, IEE93e, IEE94e, IEE94d, IEE94f, IEE94h, IEE94g, IEE95h]. **Proceedings** [IEE95k, IEE95i, IEE95f, IEE95l, IEE95g, IEE95j, IEE96g, IEE96f, IEE96e, IEE96d, IEE96h, KGRD10, LKD08, MTWD06, MMH93, MCdS⁺⁰⁸, MdSC09, Ost94, PR94b, Ree96, RWD09, SCR92, SHM⁺¹⁰, Sie94, TBD12, USE94, USE95, USE00, VW92, Vos03, Y⁺⁹³, YH96, AD98, BG91, BDLS96, BS94, Bos96, BFMR96, BDW97, CH96, CD01, DSM94, DKD05, DW94, DMW96, DLM99, DKP00, Eng00, FR95, GH94, HAM95b, HS95a, IEE96c, IEE97a, Kra02, KKD04, LCHS96, Mal95, PBG⁺⁹⁵, Sch93, Tou96, VV95, Vol93, Was96]. **Proceedings**. [Ano93f, Ano94g, IEE96i, IEE97b, LHHM96]. **Process** [AUR01, BGL00, CLL03, DeP03, DK06, FDG97a, FDG97b, FLD98, FPY08, KCP^{+94b}, KOW97, PS00a, Pro21, SC04, ST97, TSN21, Tra02a, BK11, BBGL96, CK99, FLD96, GL95a, HRR⁺¹¹, HG12, JLS⁺¹⁴, KCP^{+94a}, MLVS16, MK00, SHHC18, Ste96]. **Process-Management** [BGL00]. **processed** [HJ98]. **Processes** [CB16, MW98, Pet00a, Pet00b, FS95, GFIS⁺¹⁸, SOYHDD19, SPK⁺¹²]. **Processing** [ATC94, Agr95a, AR01, BBG⁺⁹⁵, DKM⁺⁹², GGCM99, GGCGO01, HJBB14, IEE93b, IEE93f, IEE95e, IEE95h, IEE95f, IEE95g, IEE96b, IEE96g, IEE96e, IEE96d, IEE97b, IEE05, IOK00, JDB⁺¹⁴, KOI01, KS15b, LSVMW08, MLGW18, MC18, MSML10, Nar95, NH95, NJ01, OWO98, PLR02, PD98, Ree96, RRBL01, Rol94, SCP97, Sev98, Sie94, Sin93, VLO⁺⁰⁸, WN10, AB95, Ano94f, ASB18, BJ13, BHS18, BFMR96, CFPS95, CLLASDPDP99, DSZ94, FWS⁺¹⁷, GDC15, GGGC99, Gre94, HAM95b, HCC⁺²⁰, HPS⁺⁹⁶, JPL22, JC96, Kat93, KB21, Kum94, LHLK10, LG93, PSB⁺⁹⁴, PBPT95, RKBA⁺¹³, Röh00, RCG95, SSS99, SLS96, VDL⁺¹⁵, Wol92, WWFT11]. **Processor** [HC06, Oed93, Ott94, PWP⁺¹⁶, RR02, Smi93a, SBT04, UALK17, UALK19, ABDP15, AC17, DJJ⁺¹⁹, DCH02, HC08, LL01, MMDA19, OIS⁺⁰⁶, RNPM13]. **Processor-Oblivious** [UALK17, UALK19]. **Processors** [AJ97, Bri10, DDP⁺¹⁹, HK93, HK95, KmWH10, MJB15, OLG01, PZKK02, AV18, BBG⁺¹⁴, CBM⁺⁰⁸, DBLG11, HTA08, HWX⁺¹³]. **Producing** [HAJK01]. **product** [CMH99, ER12, SMSW06]. **Production** [IADB19, CLdJ⁺¹⁵, SL00]. **productive** [LV12]. **Productivity** [BS07, DSU20, KaM10, Wit16]. **products** [Ano97, Bra97]. **profile** [TWFO09, WTFO14]. **profile-driven** [TWFO09, WTFO14]. **profiler** [AS92]. **profiles** [BAE22, Wil94]. **Profiling** [AJC⁺²⁰, EYP⁺²⁰, GPL⁺⁹⁶, LZHY19, Rab99, Vet02]. **Profitability** [CLA⁺¹⁹]. **Program** [Ano96d, AB93a, BMS94b, CHPP01, Cot97, EML98, MM95, MK17, MRV00, Ney00, PS01b, TSY00, THN00, UTY02, CDZ⁺⁹⁸, CZP21, JF95, LP00, LLC13, OKM12, PPF89, Sai10, TNIB17, TMPJ01, ZL96]. **programación** [VP00]. **Programmable** [OA17]. **Programmcode** [BL94]. **Programmer** [Gua16, Wit16]. **programmers** [CGG10]. **Programming** [ACM90, Ada97, ACGR97, ASA97, ACJ12, Ano96b, BBG⁺¹⁰, BLP93, BHV12, BF01, BBG⁺⁹⁹, BBG⁺⁰¹, BKO00, CMK00, CDK⁺⁰¹, CKmWH16, Cha02, CZG⁺⁰⁸, CF01, Cza03, DM98, DSU20, DARG13, DDL00, DK06, DWL⁺¹⁰, EM00a, EM00b, FTVB00, FWR⁺⁹⁵, GLRS01, GLS94, GLS99, HSO⁺²¹, HA11, HDB⁺¹², HDT⁺¹⁵, KKH03, Kep05, KP96, KmWH10, KVH97, Lad04, Laf01, LLRS02, MSOGR01, Mat94, Mat95, MSM05, MCdS⁺⁰⁸, NO02b,

SPM⁺10, SK10, SS01, SDN99, SHH94b, ST02a, ST02b, SGS10, Stp02, TTP97, VT97, Vre04, Wal01a, Wal02, WO97, YM97, YHGL01, YCA18, ACGdT02, AMuHK15, Ano95c, Ano00b, AB13, BJ13, BCA⁺06, BB94, BS96a, BKH⁺13, CPM⁺18, CLYC16, Cha05, CJvdP08, CEF⁺95, CDH⁺94, CGH⁺14, DWL⁺12, Duv92, EASS95, EVMP20, EV01, FSG19b, FB95, FB96, Fan98, FSTG99, Fer04]. **programming** [Fra95, FHB⁺13, FF95, GKZ12, Gei96, GBH14, GBH18, GRTZ10, HTA08, HS93, HDZ⁺20, HZ94, HDB⁺13, HVSH95, HSW⁺12, HZG08, HY20, JPL22, KDSO12, KOB01, KSG13, KSL⁺12, KLV15, KPNM16, KFSS94, KKJ⁺08, LV12, LFS93a, LFS93b, LH98, LPD⁺11, LLH⁺14, MMB⁺94, MVTP96, MSP93, MC99, MGC⁺15, NO02a, Nak05a, NYNT12, NBGS08, OIS⁺06, Olu14, OW92, Pac97, PVKE01, PF05, Qui03, RBW⁺20, RJDH14, STP⁺19, iSYS12, SSKF95, SYR⁺09, Seg10, SPK96, SBF94, SPL99, SHH94a, SD99, VP00, Vos03, Wal01b, Wan02, WCC⁺07, WADC99, WYLC12, WLYC12, YHL11, YWC11, YX95, YS93, ZWC21, ZGC94, DR94, HSE⁺17, Che10, SD13]. **Programs** [AJF16, Beg93b, BKdSH01, BGK08, BGG⁺02, BDL98, BGL00, CSW12, CRE99, CHPP01, CD98, DLB07, DMMV97, Di 14, FKH02, FJK⁺17, GR07, GTH96, GSYT21, GL04, GC05, HC10, HKN⁺01, HM01, JLG05, KFL05, KL94, KSJ14, KKV01, KSV01, Mar09, MVY95, MOL05, MBE03, MKW11, MCLD01, MJB15, NSZS13, NE98, NE01, NPP⁺00d, OM96, PPJ01, RH01, RFG⁺00, SGZ00, SBF⁺04, SR96, TGBS05, WYH⁺21, Wel94, Wis97, ZLL⁺12, Beg92, Beg93c, Beg93a, BCK⁺09, BMPS03, CRE01, CLdJ⁺15, CGL⁺93, CH94, CRM14, CFP96, DKF93, DKF94b, EP96, EPP⁺17, FSG19a, FLB⁺05, FKLBO8, GGH99, GRRM99, GKS⁺11, GB94, HD11, HZ96, HLOC96, HEHC09, KCD⁺97, KS13, KO14, Kom15, KLM⁺19, LGKQ10, LLG12, LL16, LBB⁺16, LYSS⁺16, LMM⁺15, LZC⁺02, LCC⁺03, MT96, MdSAS⁺18, Mor95, NBK99, Obe96]. **programs** [OdSSP12, PES99, PAdS⁺17, RAS16, Reu03, RRG⁺99, SSB⁺16, SKS01, SMAC08, SZ11, SR95, SY95, SC96b, TMW17, THH⁺05, TGKL19, UGT09, VVD⁺09, WZW21, YSVM⁺16, YSMA⁺17, YYW⁺12, ZJDW18, ZRQA11]. **Progress** [BRU05, LAdS⁺15, SPH⁺18, DJJ⁺19, MLA⁺14, RSC⁺19, MC94]. **Progress-Dependence** [LAdS⁺15]. **Project** [BHK⁺06, BSH15, DHK97, MRV00, ABC⁺00, BBB⁺20, CDH⁺94]. **Promise** [Ano93f]. **Promotion** [OCY⁺15, WBBD15]. **Propagation** [EMO⁺93, ESM⁺94, JML01, SMOE93, ASAK19, KEGM10, RMNM⁺12, ZWC21]. **proper** [TGS⁺20]. **Properties** [FGRT00, JL18, MS96b, SSP⁺94]. **Proposal** [DHHW92, DHHW93a, DFC⁺07, DFA⁺09, ZKRA14]. **Proposals** [Wal96b]. **protected** [GHD12]. **Protein** [RGB⁺18, GAVRRL17, RJH⁺20, SEC15, ZAT⁺07]. **protein-protein** [RJH⁺20]. **proteins** [BHW⁺12, BBH⁺15, FMS15]. **Protocol** [CAWL17, GSY⁺13, kL11, LMM⁺15, RA09, XF95, BDB⁺13, CwCW⁺11, DDYM99, MN91, MB00, ZPI06]. **Protocol-based** [LMM⁺15]. **Protocols** [BCH⁺08, DDN⁺22, DM93, LH98, LZZ⁺20]. **Protoplanetary** [dlFMBdlFM02]. **Prototype** [Ano01b, FHP⁺94, MMSW02, BK96, CCF⁺94, KYL03, KYL05]. **Prototyping** [SXXM⁺18, Spe19]. **prover** [Sut96]. **Provide** [Add01, LMRG14]. **Provides** [Ano98, Nel93]. **Providing** [GKP97, Zah12]. **Proving** [MS96b]. **PRS** [UCW95]. **pruned** [dFdOSR⁺19]. **Pruning** [SMM⁺16, WQKH20]. **PS** [AMV94]. **Pseudo** [Wal01a, Lan09]. **Pseudo-search** [Wal01a]. **Pseudorandom** [WHDB05, Stp20]. **Pseudospectra** [BKGS02]. **pseudospectral**

[Bri95, MRRP11]. **PSPVM** [BWT96].
Pthread [ZAT⁺07]. **Pthreads**
 [AS14, TS12b]. **PTX** [iSYS12]. **Public**
 [Str94, GWVP⁺14, Nel93, RST02].
Public-private [Str94]. **Pulsar** [WTS19].
pulse [ASAK19]. **Puma** [BS96b]. **purely**
 [HSE⁺17]. **Purpose**
 [AJYH18, BDT08, Che10, SZBS95a, Sun94a,
 ABDP15, CBM⁺08, KPNM16, PF05, SK10,
 SSD⁺20, SZBS95b]. **PVaniM**
 [BCLN97, TSS98]. **PVFS** [IRU01]. **PVM**
 [AD98, BL94, BDLS96, BDW97, CHD07,
 CHD09, CD01, DKD05, DLM99, DKP00,
 DLO03, Kra02, KKD04, LKD08, McD96,
 MTWD06, RWD09, Wil94, AJ97, Ahm97,
 AS92, ACGR97, ADRCT98, AL92,
 AGR⁺95b, AB95, ASA97, AL96, ARL⁺94,
 AKK⁺94, AP96, Ano94b, Ano95e, Ano96b,
 Ano96c, ABCI95a, ABCI95b, ABG⁺96,
 AGL^v96, AB93b, AB93a, ADMV05, BSN95,
 BLP93, BFL99, BBGL96, BG95, BS93,
 BDG⁺91a, BDG⁺92b, Beg92, BDG⁺93b,
 BDG⁺93a, Beg93b, Beg93c, Beg93a,
 BDG⁺95, BS96a, BDG⁺xx, BL95, BR95b,
 Ber96, BJS97, BT96, BWT96, BG94a,
 Bon96, BG94b, BG94c, Bor99, BCD96,
 BRR99, BFZ97, BID95, BMS94b, BFM96,
 BFMT96a, BFMT96b, CMV⁺94, CP97,
 CDJ95, CKO⁺94, CCK⁺95, CSPM⁺96,
 CZ95a, CGPR98, CG93, CDHL95, CDH⁺95,
 CF01, CZ96, CS96, CG96, CG99a]. **PVM**
 [CSC96, CDM93, CdGM96, CPR⁺95, CT94a,
 CT94b, CFP96, CT02, CD98, CTK01, DG95,
 DKF94a, DDYM99, DM95b, DM95a, DP94,
 DMMV97, DGF97, DFN12, D⁺91, DGMS93,
 DGMJ93, DHP97, DPZ97, EP96, EM94,
 EGDK92, ED94, EM02, EML98, EML00,
 ES11, EMO⁺93, ESM⁺94, EK97, FMBM96,
 FD96, FLD96, FH95, FHSO99, FO94,
 FSTG99, FJBB⁺00, Fin97, FD97, FS97,
 For95, FS93, GRV01, Gal97, GCBM97,
 GS91a, GS91b, GS92, GS93, Gei93a, Gei93b,
 GDB⁺93, GBD⁺94, Gei96, GKP96, Gei97,
 GKPS97, Gei98, GSxx, Gei00, Gei01,
 GTH96, GB96, GM95, GSHL02, GFV99,
 GGH99, GS96, Gör01, GHL97, Gre95, Gre94,
 GL97b, GMU95, GkLyCY97, HB96a, HB96b,
 HSMW94, HJ98, Har94, Har95, HBT95,
 HPS⁺96, Hem96, HEH98, HTHD99, HVSH95,
 HH95, HRS97, Huc96, Hum95, HS95b].
PVM [ITT99, IvdLH⁺00, IDD94, IKM⁺01,
 IKM⁺02, JAT97, JH97, JML01, JW96, JC96,
 KBA02, Kat93, KK98, KP96, KBM97,
 KDL⁺95a, KDL⁺95b, KG96, KCP⁺94a,
 KCP⁺94b, KOW97, KMC96, KS96, KZCS96,
 KS97, KV98, KAHS96, KK02b, LGM00,
 LB98, LSZL02, LHCT96, wL94, LFS92,
 LFS93a, LFS93b, LH95, LC93, LY93, LLY93,
 LW95, LHZ97, LKL96, LDCZ97, MW98,
 Man94, MVTP96, Man01, MP95,
 dlFMBdlFM02, MTSS94, MFTB95,
 MSCW95, MSP93, Mat94, Mat95, MMU99,
 Mat01b, MRV00, MK97, McK94, MC98,
 MFC98, MVY95, MS96b, Mic93, Mic95,
 MT96, MS99a, MS99b, MHC94a, MHC94b,
 MRH⁺96, MS95, MC99, MWO95, Nel93,
 NP94, Neu94, NBK99, Ney00, NB96, NAI99,
 Nov95, Obe96, Ols95, OPP00, Ott94,
 OWSA95, PPR01, PK98, PPT96b, PPT96a,
 PPT96c, POL99, PT01, PKYW95]. **PVM**
 [Per96, Pet97, PTT94, PGPCCK21, Pla02,
 PNV01, PD98, PY95, PL96, Pus95, QRG95,
 QRMG96, Qu95, QMGR00, RR00, RS93,
 Rag96, RS95, RHG⁺96, RRAGM97, Rol94,
 RGD97, Saa94, SAS01, Sch94, Sch96a,
 Sch96b, SB95, SFG98, SGS95, SSS99,
 SPK96, Sep93, Sev98, Shi94, SA93, SR96,
 SHH94a, SHH94b, Smi93a, SBR95, SC96a,
 STT96, SMOE93, SGL⁺00, SGHL01, SCL97,
 SSSS97, Sta95b, SY95, SYF96, SC96b, Str94,
 SKH96, Sun90a, Sun90b, Sun92, Sun93,
 Sun94a, SGDM94, Sun96, STMK97, SN01,
 SCL00, Sur95b, Sut96, SL95, TMTP96,
 TC94, TBD96, TD98, Tsu95, Uhl94, Uhl95b,
 UH96, UMK97, VSRC94, VSRC95, VB99,
 VAT95, WKS96, WH94, WCVR96, WAS95b,
 WO97, Wis96a, WL96a, Wis98, Wis96b,
 WL96b, WCS99, Wu99, WLC07, XWZS96,

XF95, YG96, YKI⁺96]. **PVM** [ZPLS96, ZPI06, ZB94, Zem94, ZDR01, ZG95a, ZG95b, ZG96, ZG98, Zol93, van93, NMC95, Ano95b]. **PVM-AMBER** [SL95]. **PVM-Based** [WAS95b, FO94, PY95, Sut96, ZPLS96, LSZL02, TD98]. **PVM-GRACE** [YKI⁺96]. **PVM-Implementation** [BJS97, Huc96]. **PVM-RPC** [KS97]. **PVM/C** [GTH96]. **PVM/MPI** [AD98, BDW97, CHD07, CHD09, CD01, DKD05, DLM99, DKP00, DLO03, Kra02, KKD04, LKD08, MTWD06, RWD09, ACGR97, SN01]. **PVM3** [IM94]. **PVM3/AP1000** [IM94]. **PVMaPle** [Pet00a, Pet00b, Pet01]. **PVMe** [BR95c, BR95b]. **PVMGeant** [DZDR95]. **PVMPI** [FD96, FDG97a, FDG97b]. **PyCUDA** [KPL⁺12]. **PyMGRIT** [HFB21]. **PyOpenCL** [KPL⁺12]. **pySDC** [Spe19]. **pySDC-Prototyping** [Spe19]. **PySPH** [RBP⁺21]. **Python** [BL97, DPS05, DPSD08, Di 14, DFSW19, GFB⁺14, HFB21, RBP⁺21, SSH08]. **Python-based** [RBP⁺21]. **PyTrilinos** [SSH08].

Q [KMH⁺14, LM13, MV17]. **QAPs** [Tsu12]. **QCD** [BLPP13, GM18, SVC⁺11]. **QCG** [ACH⁺11]. **QCG-OMPI** [ACH⁺11]. **QCMPI** [TJD09]. **QMPI** [EYP⁺20]. **QNSTOP** [AEW⁺20]. **QoS** [LYGG20]. **QoS-Oriented** [LYGG20]. **QR** [GKK09, LC97b]. **QSATS** [Hin11]. **QSW_MPI** [MW21]. **Quadratic** [Cza13]. **Quadrics** [YSP⁺05, LCW⁺03]. **quadtree** [HS95b, PGBF⁺07, SCC96, Sur95b, TK19]. **quadtree/octree** [TK19]. **qualitative** [BLP93]. **Quality** [Boi97, BDA⁺18, RFG⁺00, WHDB05, Ano94i, Lan09, Boi97]. **Quality-of-Service** [RFG⁺00]. **Quantifying** [AKE00, LDCZ97, TPK⁺19]. **quantitative** [BLP93, BBH⁺15]. **quantization** [HE15]. **Quantum** [BCGL97, BCL00, GRTZ10, Hin11, MW21, MGG05, NMW93, SK00, SSGF00, TJD09, WHMO19].

Quasi [AEW⁺20, DDYM99, Pla02, ZB97]. **Quasi-** [Pla02]. **Quasi-asynchronous** [DDYM99]. **Quasi-Newton** [AEW⁺20, ZB97]. **Queens** [Rol08b]. **Queensland** [ACDR94]. **Query** [AR01]. **Quest** [MWG97]. **Queue** [NNS12, CG99b, PTL⁺16, Sep93, ZA14]. **Queueing** [COE20]. **queues** [Man98]. **quicksort** [MMO⁺16, MMO⁺16].

R [Edd18, BBH12, JPOJ12, LR01, Mat16, TSN21]. **R&D** [Str94]. **R&D-100** [Str94]. **Rabi** [MBA21]. **Rabi-coupled** [MBA21]. **Race** [CFMR95, KSJ14, DKF94a, PGD18]. **Races** [PPJ01, SAL⁺17, DKF94b, LLG12, ZRQA11, EPP⁺17]. **Radial** [RB01, KRC17]. **Radiance** [GCBM97, KMG99, RC97]. **radiation** [NS20, SCJH19]. **radiative** [RS22]. **Radiology** [GA96]. **Rajeev** [Ano00a]. **Raleigh** [Agr95a]. **Ramesh** [Stp02]. **Random** [HT08, LTDD14, MPZ21, CCS19, Lan09, RJH⁺20]. **Randomized** [DSU20, Tra98]. **Range** [KBM97, MH01, BMPZ94a, PARB14, She95]. **range-join** [She95]. **Rank** [Hat98, ZLWW20]. **Ranking** [Tra98, RJH⁺20]. **Rapid** [FWS⁺17]. **RASC** [YCL14]. **rate** [BBG⁺14, MNYN21, YPA94]. **rationale** [BBH⁺13b]. **Raton** [Edd18]. **Ray** [CG93, DP94, KGB⁺09, FWS⁺17, SGS95, FFB99]. **Ray-Tracing** [DP94]. **Rayleigh** [TVV96]. **Rayleigh-Benard** [TVV96]. **rCUDA** [CPM⁺18, IPG⁺18, PRS16, PS19b, PIR⁺20, RSC⁺15, RPS19, RS19, RS21, SIRP17, SPBR20]. **RDMA** [GSY⁺13, LWP04, Pan14, RA09]. **RDMA-Based** [LWP04]. **RDMA-Enabled** [GSY⁺13, Pan14, RA09]. **Re** [MCP17]. **Re-Vectorization** [MCP17]. **Reaching** [BHS⁺02]. **Reaction** [HF14a, HF14b]. **Reactive** [BCL00, KSB⁺20, Heb93]. **reactor** [ANS95]. **Read** [SSLMW10]. **readability** [SM12]. **Reading** [HK95]. **Ready** [Bri02, DZ98b].

Ready-Mode [Bri02]. **Real** [ASB18, LHLK10, NSLV16, PRQ21, SM19, SGL+20, TWLL19, Tho94, UP01, YGH+14, Ano94f, Fer04, FLB+05, JR10, ZWZ+95, SKD+04]. **Real-Time** [SGL+20, TWLL19, UP01, YGH+14, ASB18, LHLK10, PRQ21, SM19, Fer04, ZWZ+95, SKD+04]. **Real-World** [NSLV16]. **Realistic** [YMYI11, ZSnH01, CKP+93]. **Reality** [ACM96a, Ano93f, NM95, Wit16]. **realizing** [YZ14]. **Reallocation** [GFIS+18]. **rebooting** [GJLT11]. **Receive** [Bri02]. **Receiver** [ZG95b]. **receptor** [ESB13]. **Rechnen** [Ano94c, BL94, MS04]. **Recognition** [CC17]. **recomputation** [RKBA+13]. **Reconfigurable** [FDG19, HGX+22, MFC98, SPM+10, SSK+18, ZL18, NYNT12, RRJ+20]. **Reconfiguration** [CS14, MSMC15]. **Reconstruction** [BM97, DYN+06, GA96, LSSZ15, OIH10, RAGJ95]. **Record** [UALK17, UALK19, CRD99]. **Record&Replay** [KSV01]. **record/replay** [CRD99]. **Recovery** [SBF+04, BBH+13b, BDB+13, LFS93a, LFS93b, LZZ+20, SSCC95, SRS+19, ZWZ05]. **Rectangle** [CSW99]. **rectified** [WBBD15]. **Recurrences** [ACGR97, MB18]. **Recursive** [DSS00, PWP+16, SML19, SD99]. **Red** [van93]. **redesign** [HL17]. **Redesigning** [RS21]. **Redistribution** [DDPR97, HC06, WO95, WO96, HC08, KN95]. **Reduce** [CBB+20, PSM+14]. **Reduced** [SW12]. **Reducing** [AV18, CRGM16, JE95, BCM11]. **Reduction** [DAD19, FKH02, MFPP03, SG12, HL17, Jes93a, MLVS16, Pan95a, PQ07]. **Reductions** [PWPD19, ZCBD22]. **Redundancy** [TS12a]. **redundant** [KJJ+16]. **Reference** [GHLL+98, Nag05, SOHL+98, YM97, Ano99a, Ano99c, Ano99b, Ano99d, SOHL+96, Per97, Ano96a]. **Refine** [ZWLZ21]. **Refinement** [MRB17, Ran05, CLSP07, DLR94, SWCB20]. **region** [SPNB14]. **region-based** [SPNB14]. **regions** [LFL11]. **Registration** [WYZ+19]. **regression** [RBAI17]. **Regular** [HLP11, NHT02, NHT06]. **Reims** [MCdS+08]. **rejection** [SOYHDD19]. **RELAP5** [SBR95]. **related** [SD16]. **Relating** [EPML99]. **relation** [DO96, Hem96]. **Relationship** [Dan12]. **relativistic** [BHS18]. **relaxation** [OKW95]. **Reliability** [CGZQ13]. **Reliable** [SE02, Arn95]. **RELION** [ZWLZ21]. **remapping** [LW20]. **Remark** [SWH15]. **remedies** [ALW+15]. **Remo** [IEE95h]. **Remote** [BMR01, HDT+15, IFA+16, OCY+15, Tsu07, WBBD15, AGLv96, CPM+18, FHC+95, GBH14, GBH18, HGMW12, RSC+15, SIRP17, SH96]. **Remote-Scope** [OCY+15, WBBD15]. **Remotely** [GGCM99, GGCG001, GCGS98, VLO+08, GGGC99]. **Remoting** [MGL+17]. **removal** [ZZZ+15]. **Removing** [ZJDW18]. **Rendering** [DLLZ19, DLLZ20, GCBM97, LSZL02, SU96, UCW95, KB21]. **Rendezvous** [RA09]. **Reordering** [Hat98]. **Reparallelization** [KBG+09]. **Reparameterisation** [RJ21]. **Repeated** [WH94, Shi94]. **repeats** [GDMME22]. **Replacement** [GHD12]. **Replay** [CFMR95, HLOC96, UALK17, UALK19, CRD99, MT96, NBK99, XLW+09]. **replay-based** [MT96]. **Replication** [WC09, KJJ+16, ZJDW18]. **Replication-Based** [WC09]. **Report** [DZ98b]. **Reports** [Ano98, ACM11]. **Representation** [BMR01, KD12, MDM17, SML17, SML19, CCM12, SBB20]. **Represented** [SSB21]. **reproduce** [AVA+16]. **reproducibility** [HD00a]. **Reproducible** [GL99, HCA16, XLW+09]. **Requests** [KLH+20]. **Requirements** [GSHL02, GT07, LPJ98, Ber96, KBG16, LCVD94a]. **Research** [Ano96d, BR02, MC94, SL94a, SGHL01, Ara95, BPG94, LP00, Oed93]. **Reservoir**

[KDHZ18, OWSA95, ZAFAM16, ZZ95, Ano95d]. **Resident** [JDB⁺14]. **Resilience** [YNJS21]. **resiliency** [RGP22]. **Resilient** [CGH⁺14, Gua16, LCMG17, Pro21, LMG17, LBB⁺19, MLVS16]. **Resistive** [ZL17]. **Resolution** [MAB05, Str94, TPV20, ZWLZ21, BADC07, KN17]. **Resolving** [Str97]. **Resource** [BGR97b, BSH15, KK98, SIS17, YSS⁺17, BMS19, DZ96, FLD96, FL21, NEM17, PIR⁺20, ZA14]. **resource-conscious** [ZA14]. **resource-restricted** [NEM17]. **Resources** [LSB15, NAW⁺96, WYZ⁺19, Kos95b, RSC⁺19, R⁺92]. **Response** [BBC⁺00]. **Responsibility** [KQT⁺21]. **Restart** [SSB⁺05, AKB⁺19, CZP21, LMG17]. **restarted** [dH94]. **Restoration** [FJBB⁺00]. **Restore** [Gua16]. **Restricted** [JCP⁺20, NEM17]. **Restructuring** [KAMAMA17]. **Results** [BIL99, BIC05, HSMW94, Wal01a, BR95c, DHS96, VDL⁺15]. **retargetable** [KKJ⁺08]. **rethinking** [GJLT11]. **Retrieval** [Per21, RLL01, MMR99, MRH⁺96, RTL99]. **reusable** [LTLC94]. **reuse** [BAE22, BVML12, LM94, NAAL01]. **Reverse** [BGK08, HHSM19, LSB15, LM13, QHCC17]. **Reverse-mode** [HHSM19]. **Review** [Ano95b, Ano95c, Ano96a, Ano99a, Ano99c, Ano99b, Ano99d, Ano00a, Ano00b, BDL98, Che10, Edd18, Mar06, MCLD01, Nag05, NMC95, Per96, Per97, SD13, Vre04, AMKM20, Stp02, Vog13]. **Reviews** [Ano97, Bra97, YM97]. **Revised** [Cha05]. **Revision** [MHSK16]. **rewrite** [HLK⁺20, SFLD15]. **REYES** [LSZL02]. **RFSA** [SW12]. **Rhine** [Cal94]. **Rhodes** [TG94]. **RHODOS** [RGD97]. **Rich** [MKW11]. **Riemann** [PGPCK21]. **Right** [ZG95b]. **Rim** [IEE95e]. **ring** [ZZZ⁺15]. **RISC** [AL93, NMW93, BSvdG91]. **RMA** [BBW19, FCS⁺19, SPH⁺18]. **RNA** [WHDB05]. **RnaPredict** [WHDB05]. **Robert** [Ano95b, NMC95]. **robotic** [ZWZ⁺95]. **Robust** [Att96, GR07, LSB⁺18, PSLT99]. **Rocks** [PKB01, Slo05]. **Roe** [PGPCK21, dIAMCFN12]. **Rohit** [Stp02]. **Roll** [DDN⁺22]. **Rollback** [DDN⁺22, LZZ⁺20, LBB⁺19]. **rollback-recovery** [LZZ⁺20]. **rolling** [NF94]. **Rome** [CMMR12]. **Roothaan** [MMDA19]. **roots** [PNV01]. **rotating** [KLM⁺19, MBA21]. **routed** [Pan95b, RJMC93, ZGN94]. **routers** [Jes93a]. **Routines** [Add01, Sch96a, LSK04, Sch96b, VLMPs⁺18]. **Routing** [BHM94, BHM96, MTSS94, MBES94, WH94, BS94, Zah12]. **RPC** [KZCS96, KS97, RS93, SHTS01]. **RPVM** [CMM03, LR01]. **RS** [BGBP01, Cou93, Heb93, MW93]. **RS/** [Cou93, Heb93, MW93]. **RS/6000** [BGBP01]. **RS6000** [CDM93]. **RSA** [WLC07]. **RT** [KAMAMA17]. **RT-1.1** [SKD⁺04]. **RT-CUDA** [KAMAMA17]. **RTL** [BGG⁺15]. **RUBIS** [BR94]. **Ruby** [Ong02]. **rules** [SFLD15]. **Run** [CBB⁺20, CBB⁺21, DLR94, DGMJ93, FHK01, GOM⁺01, OP98, SBW91, SPB⁺17, SS96, KPL⁺12, RRG⁺99, Str94, TCBV10]. **Run-Time** [CBB⁺20, CBB⁺21, FHK01, GOM⁺01, OP98, SPB⁺17, SS96, DLR94, SBW91, KPL⁺12, TSY99, TCBV10]. **Running** [BZ97, CCM⁺06, YKI⁺96, CRE01, ZLZ⁺11]. **Runtime** [AAB⁺17, BGD12, CFF⁺94, DMB16, DT17, DSCL05, Gro00, KBS04, KCR⁺17, NPP⁺00d, PG18, SdR⁺21, TJPF12, YSS⁺19, ZLP17, AKB⁺19, ADK22, ALW⁺15, BL99, BR94, EPP⁺17, EO15, HPS⁺12, HPS⁺13, KW14, LRLG19, LLH⁺14, MA09, NPP⁺00a, TSY00, YÁJG⁺15]. **Runtime-compilation** [PG18]. **Runtimes** [AHHP17]. **Russia** [Mal95]. **RWA** [RLVRGP12].

S [AHHP17, Röh00]. **S-Caffe** [AHHP17]. **S-language** [Röh00]. **S1** [GLT00b]. **S3D** [LSG12]. **SAEO** [GSYT21]. **Safe** [Pla02, GCC99, LFS92, LFS93a, LFS93b, NYNT12]. **Safety** [CLA⁺19, GT07]. **salesman** [GM94]. **Salt** [Hol12]. **sampling** [CBS18, SOYHDD19, WLYL20]. **San** [ACM97b, Ano95d, BBG⁺95, GE95, GE96, Has95, IEE93a, IEE94g, IEE95h, IEE95g, IEE97c, LF⁺93a, NM95]. **Sanders** [Che10]. **Sandy** [VDL⁺15]. **Santa** [ACM95b, AH95, IEE95f, Old02, RV00]. **Santorini** [CD01, CDND11]. **Santorini/Thera** [CD01]. **Saphir** [Ano99c, Ano99d]. **SAR** [AB95]. **Satellite** [Uhl94, Uhl95b, SSN94]. **Satisfiability** [IKM⁺01, IKM⁺02]. **saturated** [TOC18]. **Saturday** [B⁺05]. **Saturday-Wednesday** [B⁺05]. **Save** [ADGA20, KFL05, FKL08]. **Saving** [CBB⁺21]. **SBS** [MSB97, WWZ⁺96]. **SBS-Type** [MSB97]. **SC⁺11** [LCK11]. **SC2000** [ACM00]. **SC2001** [ACM01]. **SC2002** [IEE02]. **SC2003** [ACM03]. **SC97** [ACM97b, ACM97b]. **SC98** [ACM98b, ACM98b]. **SC⁺99** [ACM99]. **Scalability** [Ben18, BS07, FSC⁺11, KBS04, LL01, LKYS04, LSK04, VLSPL19]. **Scalable** [Add01, AHHP17, BHW⁺17, BBC⁺02, BHNW01, BGL00, CGS15, CLE⁺20, CDPM03, EFR⁺05, GFB⁺14, GS94, HC17, HGMW12, IEE92, IEE94f, IEE95j, IBC⁺10, KTAB⁺19, KK98, LTS16, kLCC⁺06, MFPP03, NBGS08, NPP⁺00d, NCKB12, NSM12, OLG01, PPJ01, PR94b, PBK00, SDJ17, SBF⁺04, Skj93, SS96, TPD15, TPV20, UP01, VBLvdG08, VY02, ZLGS99, ZL18, BBB⁺94, Bri95, CLSP07, FWS⁺17, GBH14, GBH18, GM13, GKL95, HRR⁺11, HAJK01, KRC17, KRG13, LM99, LTLC94, MMB⁺94, MRRP11, PWD⁺12, SPK⁺12, Trä12a]. **ScaLAPACK** [BV99, BRR99, DHP97]. **Scale** [AKE00, AFGR18, BHW⁺17, BZ97, BHNW01, CBB⁺20, FFP03, HC17, MFPP03, SM03, TGEM09, WMC⁺18, WT12, AASB08, BKK20, BCA⁺06, BJS99, BCH⁺08, Che99, DZZY94, FME⁺12, Gua16, IPG⁺18, Kos95b, LS10, MLA⁺14, NWT21, PTL⁺16, PD11, RMNM⁺12, SIC⁺19, SvL99, TBB12, WLN06, WT11, WT13, ZKRA14, ZA14, Ben18]. **SCALE-EA** [Ben18]. **Scale-Out** [AFGR18]. **Scale-Up** [AFGR18]. **SCALEA** [TFGM02]. **Scaling** [CC17, GDS⁺20, KFL05, SLJ⁺14, FKL08, Gao03, LFL11, PDY14]. **scan** [AAAA16, YLZ13]. **scanline** [CT13]. **scans** [NAJ99]. **SCASH** [SHHI01]. **SCATCI** [ART17]. **scatter** [BCD96, MTK16]. **Scattering** [BCL00, NZZ94, OMK09]. **SCF** [MM95]. **schedule** [NAAL01]. **scheduler** [ADDR95, TCBV10, WRSY16]. **schedulers** [AV18, NP12]. **Scheduling** [BBH⁺06, BSH15, CML04, DMB16, EGR15, GDDM17, GSHL02, GHL97, HC06, JW96, MJB15, NIO⁺02, NIO⁺03, SM19, SNN⁺20, SGL⁺20, TJPF12, WJG⁺21, APBcF16, DZ98a, HC17, JKN⁺13, KSC⁺19, LHCT96, MBKM12, NSBR07, OPW⁺12, Smi93b, SKK⁺12, SKB⁺14, WYLC12, WLYC12, YWC11]. **Scheme** [CTK01, LNLE00, MW98, SBF⁺04, Bae20, BBGL96, Bjo95, MRRP11, OKM12, SCC96, YPZC95, FM90]. **Schemes** [HC17, PPJ01, MPS20, WYLC12, WLYC12, ZAT⁺07]. **Schmidt** [CBYG18]. **School** [VV95]. **Schrödinger** [DM12, ÓN12]. **SCI** [FS97, HEH98, Hus00, RR01, ZHS99]. **SCIDDLE** [ABG⁺96, AGLv96]. **SCIDDLE-PVM** [ABG⁺96]. **Science** [Edd18, EGH⁺14, IEE95d, Mat16, MMH93, Old02, SM07, ACM06a, DMW96, HK93]. **Sciences** [ERS96, HS94, ZL96, ERS95]. **Scientific** [AGH⁺95, APJ⁺16, BBG⁺95, DKM⁺92, DT94, Gat95, GL97a, HJ98, KK02a, LWSB19, LkLC⁺03, Mar06, Nag05, Sin93, SSB⁺17, VY02, WN10, ACC⁺21, Bis04, DW94, SBG⁺12, SIC⁺19, TBB12, WT13, Ano97, Bra97]. **scientists** [HW11, Str94]. **SciPAL** [KH15]. **SCIPVM**

[ZHS99]. **Scope** [OCY⁺15, BDB⁺13, WBBD15]. **scoping** [RDLQ12, WC15]. **Scottsdale** [IEE95b]. **Scratchpad** [JAK17, MB12]. **Scripting** [Ong02, KPL⁺12, Nob08]. **scripting-based** [KPL⁺12]. **SCTP** [KPW05, ZPI06]. **SDK** [TK16]. **SDSM** [CCM⁺06]. **Sea** [LPJ98]. **Seamless** [KK02a, LdSB19]. **Search** [BSH15, Cza13, IKM⁺01, Wal01b, WTS19, FMS15, IKM⁺02, RRJ⁺20, Wal01a, ZSK15, CB11]. **Searches** [BSG00]. **Searching** [JPT14, MM01, BA06, Wal01b]. **Seattle** [ACM05, BS94, LCK11, Ost94]. **Second** [Ano00b, BL95, DT94, DE91, IEE94d, IEE96d, IEE96i, LHHM96, Tou96, Vol93, WPH94, ACM97a, Ano99a, Ano99b, BFMR96, DMW96, FR95, KN17, Li96]. **Second-Order** [BL95, KN17]. **Secondary** [WHDB05, SEC15, ZAT⁺07]. **section** [Ano93b, DKD08]. **segment** [FJZ⁺14]. **segment-based** [FJZ⁺14]. **Segmentation** [KBA02, AD95, CCU95]. **Seidel** [BG95, LM99, Ols95]. **Seismic** [OWO98, AMBG93, KL95, KEGM10, LM13, QHCC17, RMNM⁺12, SSS99, WCVR96]. **Seismograms** [DP94]. **Select** [KKDV03]. **Selected** [DHS96, MTW07, OL05, TB14, TH20, CHD09, Cha05, DKD07, JC17, KC19]. **selecting** [PTL⁺16]. **Selection** [CKmWH16, SNN⁺19, GDEBC20, PGBF⁺07, WKS96, ZWL⁺17]. **Selective** [Nak03]. **Self** [HC17, NSS12, SLJ⁺14, TGT10, VFD02, NSBR07, WYLC12, WLYC12, YWC11]. **Self-Consistent** [TGT10]. **Self-scheduling** [HC17, NSBR07, WYLC12, WLYC12, YWC11]. **Self-Submitting** [NSS12]. **Self-Tuning** [SLJ⁺14]. **Semantic** [EADT19, MTU⁺15, DKF94a, OA17]. **Semantically** [MKW11]. **semantics** [RNPM13]. **Semaphores** [TTP97]. **Semi** [CT94a, Bjo95, PSLT99, TC94, CT94b]. **semi-coarsening** [PSLT99]. **semi-implicit** [Bjo95]. **Semi-Lagrangian** [CT94a, TC94, CT94b]. **Semiconductor** [GJN97, Ano03, LS10]. **Seminar** [Ano94f, Ano93h]. **Send** [GPC⁺17]. **Sender** [BCH⁺03]. **Sensed** [GGCM99, GGCGO01, GCGS98, VLO⁺08, GGGC99]. **sensitive** [GKCF13]. **Sensitivity** [dLR04]. **Separable** [Ben01, CdGM96]. **September** [Abr96, AD98, Ano93a, Ano93b, Ano95a, Bos96, BP93, BH95, CLM⁺95, CHD07, CJNW95, CD01, CDND11, DKD05, DKD07, DLM99, DKP00, DLO03, EJL92, FK95, FR95, GHH⁺93, IEE93d, IEE94c, JPTE94, KGRD10, Kra02, KKD04, LKD08, Mal95, MTWD06, OL05, PSB⁺94, RWD09, SPH95, SM07, TBD12, VV95, VW92, WPH94, YH96]. **Sequence** [GMU95, SMM⁺16, AMHC11, TSZC94]. **sequences** [dFdOSR⁺19, GÁVRRL17, SdM10]. **Sequencing** [VPS17]. **Sequential** [EK97, RPM⁺08, GGH99, SR95, TNIB17, TSZC94]. **Serial** [SWH15, HPS⁺96, HWS09]. **serialization** [CFKL00]. **Serialized** [KH10]. **Seriellles** [BL94]. **Series** [Nag05, BR94]. **Server** [Ano93f, AFGR18, FSL98, KS97, Mat01b, Sch93, Sto98, Vis95]. **Server-Class** [AFGR18]. **serverless** [NRdA⁺20]. **Servers** [CGC⁺02, SIS17, GK97]. **Service** [RFG⁺00, LS08, SPK⁺12]. **Services** [FC05, LSB⁺18, AAC⁺05, ZKRA14]. **Session** [NYNT12, ZL96]. **Set** [BDA⁺18, SW12, WL96a, Ano00a, Ano00b, PSH⁺20, She95, THMH21, WL96b]. **Sets** [SG12, CGL⁺93]. **setting** [GL95a]. **Setup** [NSLV16]. **Seventh** [BBG⁺95, HS94, IEE93b, IEE95g, IEE96h, Eng00, Y⁺93]. **several** [GBR15]. **SGI** [Che99, CML04, KMG99, LB96, LL01, LKJ03, LSK04, TW12, ZSnH01]. **SGI/CRAY** [Che99]. **SGI/CRAY-T3E** [Che99]. **shadow** [SOA11]. **shallow** [DS22, STA20, dIAMC11, dIAMCFN12]. **Shane** [SD13]. **Shanghai** [IEE97a]. **shaped** [ZWC21]. **SHARE**

[Ano92, Ano93f, Ano94g]. **Shared**

[ADGA20, BCA⁺⁰⁶, BME02, Bri10, CDT05, DM98, DMB16, FKH02, FB94, GB96, GLRS01, HC10, HDB⁺¹², HT01, KB98, KSHS01, LRT07, Luo99, MBE03, MCdS⁺⁰⁸, Mül02, NPP^{+00d}, PBK00, Pok96, PS00b, Ros13, SS01, STY99, ST02b, Thr99, VS00, VT97, ABCI95a, ABCI95b, ADMV05, BMG07, CdOO⁺²⁰, CBPP02, CJvdP08, Cha96, CCM⁺⁰⁶, CC00b, DBVF01, DS96b, DPZ97, EVMP20, EV01, GCN⁺¹⁰, GL96, GL97c, HS93, HDB⁺¹³, JE95, KJA⁺⁹³, KC06, LKL96, MLC04, PK05, QM21, RGDM15, SHHI01, SL94b, SFL⁺⁹⁴, SSC96, TSY99, TSY00, THDS19, Vos03, WLYL20, WK20, WMRR17, WRMR19, YWO95, YX95, Cha05]. **Shared-Memory** [DM98, HDB⁺¹², NPP^{+00d}, Pok96, Thr99, PS00b, ABCI95a, ABCI95b, BMG07, CdOO⁺²⁰, EVMP20, GL96, GL97c, KJA⁺⁹³, PK05, TSY00].

shared/distributed [THDS19]. **Sharing**

[Att96, CML04, CB16, DiN96, JAK17, KK98, LYGG20, JE95, Ott93, PRS⁺¹⁴].

shear [JAT97]. **ShearLab** [KLR16].

Shearlet [KLR16]. **Shearlets** [KLR16].

Shelf [LPJ98]. **SHMEM** [BBDH14, Hus01, LSK04, Sch96a, Sch96b, SS01]. **Short**

[KBM97, MH01, SSLMW10, BMPZ94a, PARB14]. **Short-Range**

[KBM97, MH01, BMPZ94a, PARB14].

Short-Read [SSLMW10]. **shorter** [NB96].

Showcase [USE00]. **SHGCC** [IEE92].

SHGCC-92 [IEE92]. **SIAM**

[BBG⁺⁹⁵, DKM⁺⁹², Sin93]. **Side** [kLCCW07]. **Sided**

[BPS01, GFD03, GFD05, GT01, HDB⁺¹², LRT07, MH01, MB00, TGT05, TRH00, ZSG12, bT01a, BM00, DPFT19, DBB⁺¹⁶, GBH18, LSK04, MS99c, PGK⁺¹⁰, GBH14].

SIGCSE [ACM06a]. **Signal** [IEE95e].

signals [Uhl95c]. **Signatures** [Gro00].

significance [AMHC11]. **silent** [FME⁺¹²].

Silicon [LHZ⁺²⁰, Ano03, Goe02, ZL18].

Silicon-Monona [ZL18]. **SIMD**

[BvdB94, HS95b, KDT⁺¹², LL16, Sur95b, VSW⁺¹³, WMK⁺¹⁹, vdP17]. **similarity**

[LSB⁺²⁰]. **Simple**

[MSF00, Mül01, SC04, BC19b, ITT99, JH97, JKN22, Nes10, PGPCCK21, PNV01].

simulate [Heb93]. **Simulated**

[BHM94, BHM96, FH97, MPZ21, RSBT95].

Simulating

[DLM⁺¹⁷, KDL^{+95b}, KDL^{+95a}, NFG⁺¹⁰].

Simulation

[CDMS15, CCBPGA15, DMMV97, DZDR95, GSI97, GM95, GJN97, Ham95a, JML01, KDHZ18, KBM97, KMK16, LLRS02, MFTB95, MPD04, MANR09, PCY14, PKYW95, PZKK02, RR00, RDMB99, SSAS12, SXXM⁺¹⁸, Str97, Ten95, UZC⁺¹², VT19, WMC⁺¹⁸, ZZ04, ZWJK05, dIAMC11, ASAK19, Ano95d, ADR⁺⁰⁵, BJ95, BCM⁺¹⁶, BH95, BMPZ94b, CwCW⁺¹¹, CSPM⁺⁹⁶, DSOF11, FHSO99, FO94, FLPG18, FFCC99, GRTZ10, IPG⁺¹⁸, JAT97, JLS⁺¹⁴, KTJT03, KNH⁺¹⁸, KMC96, KMC97, LFS⁺¹⁹, LHZ⁺²⁰, LCVD94b, LCVD94a, LYZ13, MMW96, MW21, MALM95, NS20, NB96, NF94, OKM12, PARB14, PY95, RFH⁺⁹⁵, SWYC94, SSP⁺⁹⁴, SKM15, Str96, Syd94, Tho94, WHMO19, WGG⁺¹⁹, YPA94, YEG⁺¹³, YSL⁺¹², Eng00].

Simulation-Based [ZWJK05].

Simulations [CGS15, CNM11, DFMD94, DI02, GAP97, HLP11, HF14a, HF14b, KT02, Kha13, NH95, RTRG⁺⁰⁷, SM02, YPAE09, ADT14, ABG⁺⁹⁶, BHS18, BADCO7, CFF19, GM18, Hin11, JMS14, LS10, LSVMW08, MNYN21, RMNM⁺¹², SU96, THDS19, TOC18, VLSPL19, WWFT11]. **Simulator**

[CAM12, MRV00, PHO⁺¹⁵, UTY02, WPC07, AMV94, LS10, LZC⁺²⁰, PWD⁺¹², WZWS08, ZAFAM16, ZZ95, KTJT03, Nak03, Nak05a, Nak05b]. **Simulators**

[SB95, AVA⁺¹⁶]. **Singapore** [IEE96d].

Single [BM00, HF14a, HF14b, MB00, URKG12, WZM17, AGIS94, KKLL11, LK20,

MKP22, THMH21]. **Single-Chip** [URKG12]. **Single-sided** [BM00]. **Single-Threaded** [WZM17]. **single/multigrid** [AGIS94]. **singleton** [TVCB18]. **Sinks** [JPT14]. **Sites** [Ano98]. **Sixth** [HK95, IEE96c, MMH93, SW91]. **Size** [WQKH20, YT20, GKCF13]. **sized** [JLS⁺14]. **Sizes** [DALD18, ZSnH01]. **Sizing** [YNJS21]. **SKaMPI** [KRS99, RSPM98, RH01, Reu01, RST02, Reu03]. **SkelCL** [SG14]. **Skeleton** [GB98, IH04, RJDH14]. **Skeletons** [Ser97]. **Skew** [GGZ⁺20]. **Skew-Tolerant** [GGZ⁺20]. **Skjellum** [Ano95c, Ano00b]. **Slack** [CBB⁺20, KFL05, FKLBO8]. **SLAE** [ADRCT98, AK99]. **sLASs** [VLCM⁺20]. **Slave** [LTR00, HP05]. **SLEPc** [DR18]. **SLICC** [KBHA94]. **Slices** [GSHL02]. **Slim** [WMC⁺18]. **Small** [HLP11, TS12b, Ano94h]. **small-footprint** [TS12b]. **Small-World** [HLP11]. **Smith** [KDSO12, RGB⁺18]. **Smithsonian** [Str94]. **smoking** [YSL⁺12]. **Smoothed** [RBP⁺21]. **SMP** [Add01, CRE99, CRE01, CCBPGA15, HD02a, DK06, GT01, GMdMBD⁺07, HD02b, Hus00, HIP02, JKHK08, KOI01, KKH03, KMG99, KAC02, NO02b, NO02a, ST02a, TOTH99, Trä02b, YWC11, bT01a]. **SMPCKpt** [DCH02]. **SMPI** [DLM⁺17]. **SMPs** [HLCZ00, NU05, SvL99]. **SMPSs** [MLAV10]. **SMPSuperscalar** [GCBL12]. **SMT** [PAdS⁺17]. **SMT-based** [PAdS⁺17]. **snake** [JPP95]. **snake-in-the-box** [JPP95]. **SNE** [MPZ21]. **Snir** [Ano96a, Ano99a, Ano99c, Ano99b, Ano99d, Nag05]. **SnuCL** [Lee12]. **soccer** [YMYI11]. **Socket** [COE20, Gro19, LS10]. **SoCs** [AFGR18]. **Soft** [AJYH18]. **Softshell** [SKK⁺12]. **Software** [Ano94i, BKK20, BME02, BPG94, BDG⁺xx, CZ95b, DGH⁺19, ESB13, FFP03, GBF95, Gre95, HPR⁺95, HS94, HHA95, IEE95l, IEE96h, IFI95, KS15a, KC94, KAMAMA17, KG93, LB16, MBE03, NPS12, Ost94, PZ12, Sil96, STH22, Swa01, TDBEE11, VdS00, Wis01, Wol92, Ano97, BSC99, Boi97, Bra97, BR94, CMV⁺94, CBPP02, DPZ97, Hum95, JH97, JB96, LSB⁺20, LM94, MK94, Neu94, Old02, PHA10, PK05, PGK⁺10, RAS16, RJH⁺20, SHHI01, Sch94, Sei99, SPH95, SSD⁺20, Str94, WGG⁺19, ZGN94, Ano94i, KG93, Sil96]. **Software-Managed** [LB16]. **Solan** [CGB⁺10]. **Solaris** [Ano01a]. **Solidification** [HSO⁺21, JLS⁺14]. **solids** [Hin11]. **Solution** [DWL⁺10, FBSN01, HO14, MC18, RPM⁺08, SEF⁺16, SSK⁺18, Tsu12, VRS00, DWL⁺12, GADM20, IM95, JK10, LGM⁺20, LSR95, MALM95, ÓN12, PRS⁺14, SC96a]. **solutions** [AGIS94, LMG17]. **Solve** [Hog13, LSM⁺18, Riz17, BAV08, Che99, GGGC99, TSCS14]. **Solver** [Ben01, BP98, CF01, CF19, HSMW94, IDD94, LZ97, SJK⁺17a, SJK⁺17b, TPV20, WJB14, YKW⁺18, AMS94, CP15, CFF19, DS22, DM12, GNP19, HDZ⁺20, HHSM19, JR10, LM99, Lou95, MV20, MBA21, OGM⁺16, RM99, STA20, SRK⁺12, SCC95, THM⁺94, ZZG⁺14]. **Solvers** [DFN12, DALD18, GK10, MSB97, NO02b, Nak03, NHT02, NLRH07, QRMG96, RS97, SSK⁺18, WR01, ABF⁺17, ADLL03a, ADLL03b, ADDR95, BRR99, CL93, DR18, EVMP20, MKP⁺96, MS95, NO02a, Nak05a, Nak05b, NHT06, PGPCCK21, PR94c, QRG95, SSH08]. **Solving** [ADRCT98, BHM94, BHM96, BV99, BG95, BDG⁺92c, BSH15, DALD18, DAD19, GFPG12, Huc96, LLY93, MS02a, NF94, SAS01, SP11, SD99, ZTD19, BB95a, DSM94, HHA95, LBB⁺16, LYSS⁺16, MM11, SSB⁺16, SMSW06, YSVM⁺16, YSMA⁺17]. **SOM** [GkLyCY97]. **Some** [BDT08, Mül01, Pet97, AL92, NN95, RSBT95]. **Sopron** [VV95]. **Sorrento** [DKD05, DKD07]. **sort** [KVGH11, PSHL11]. **Sorting** [Ger18, LTS16, BHJ96, PSHL11]. **Sound** [SG12]. **Source** [ABB20, BGG⁺15, HH22, MM07, AC17, AVA⁺16, LSB⁺20, NCB⁺17,

Nob08, PSK⁺¹⁰, WGG⁺¹⁹].
Source-Code-Correlated [MM07].
Source-to-Source [HH22, ABB20, AC17].
Sources [CTBT21, ZDR01, KM10]. **South** [ACM95a]. **southeast** [ACM95a]. **Sowing** [GL97a]. **SP** [BGBP01, CE00, HMKV94, LC97b, WT11, WT12]. **SP-1** [HMKV94]. **SP-2** [LC97b]. **SP1** [BR95c, FHPS94b, FHP⁺⁹⁴, FHP⁺⁹⁵, Fra95, FWR⁺⁹⁵, GL95d, HSMW94, MP95]. **SP1/SP2** [FHP⁺⁹⁵, Fra95, FWR⁺⁹⁵]. **SP2** [BR95b, FHP⁺⁹⁵, Fra95, FWR⁺⁹⁵, HWW97, JF95, KB98, KHS01, MABG96, XH96]. **SPAA** [ACM95b]. **Space** [CML04, CB16, HO14, MSF00, MZLS20, OFA⁺¹⁵, SAS01, SS01, TA14, SRK⁺¹²]. **Space-Sharing** [CML04]. **Space-Time** [HO14, SRK⁺¹²]. **Spaces** [Rót19]. **SPAI** [BBS99]. **Spain** [DLM99]. **SPAN** [LHHM96, Li96]. **Spanish** [VP00]. **spanning** [NCKB12]. **Spark** [GRW⁺¹⁹, KWEF18]. **Sparse** [AZ95, BBH12, CWL⁺²⁰, DS13, DK20, Huc96, MYL21, NHT02, TD98, ZB97, AK99, ADLL03a, ADLL03b, BAC20, ER12, FJZ⁺¹⁴, GG99, Gra09, NHT06, XXL13]. **SPEC** [Ano03, MvWL⁺¹⁰, MBB⁺¹², NA01, SGJ⁺⁰³, TSB03]. **Special** [AM07, BDT08, BC19a, BDB⁺¹³, BC00, CHD09, DKD07, DKD08, GSA08, GT19, MPI98a, MPI98b, SBG20, TH20, Bos96, Mar02, PNV01, Reu01, Old02]. **Specific** [DM95b, DM95a, Olu14]. **Specification** [BG94a, BdS07, MGC12, MHSK16, BG94c, LPD⁺¹¹]. **Specifications** [OFA⁺¹⁵, WMP14]. **Specified** [MGMH97]. **specifying** [LPD⁺¹¹]. **specimen** [Rol08b]. **SPECT** [BCD96]. **spectator** [YMYI11]. **Spectra** [Str97, SR11]. **Spectral** [MW98, Spe19, BCM⁺¹⁶, MGS⁺¹⁵]. **spectral/** [BCM⁺¹⁶]. **spectrum** [NS20]. **Speculation** [AELGE16, SHLM14]. **Speculative** [RA09, dOSMM⁺¹⁶]. **Speed** [CDHL95, Tou00, AH95, Ano03, BWT96, BID95, KMK16, CDH⁺⁹⁵]. **Speeding** [CSV12, YNJS21]. **Speedup** [VPS17]. **SPH** [AFG21, CP15, OLG⁺¹⁶, PBC⁺⁰¹, WMRR17, WRMR19]. **Sphere** [CT94a, CT94b]. **spherical** [Hol95, KT10]. **SPICE3** [WPC07]. **Spiking** [CAM12]. **Spin** [HLP11, JRG21, KO14, Kom15, MBA21]. **spin-1** [MBA21]. **spin-glass** [JRG21]. **spin-orbit-** [MBA21]. **splitting** [MPS20, TCBV10]. **SPMD** [BST⁺¹³, Dar01, KAC02, Wal00, Wal02]. **SPMD-Like** [BST⁺¹³]. **SpMV** [CBIGL19]. **Spokane** [IEE93c]. **Sponge** [HSW⁺¹²]. **spontaneous** [EZBA16]. **spreading** [SOYHDD19]. **Spring** [Ano94g, IEE93a]. **SPTHEO** [Sut96]. **SPY** [SSG95]. **Squares** [PWP⁺¹⁶, VRS00]. **SR** [YWCF15, ZLP17]. **SR-IOV** [YWCF15]. **SR8000** [NNON00, TSB02, TSB03]. **SRP** [BBC⁺¹⁹]. **SS7** [LTLC94]. **SSGM** [HPS⁺⁹⁶]. **SSS** [MMH98]. **SSS-CORE** [MMH98]. **St** [Mal95]. **Stability** [DSS00, HD00a]. **stable** [JMdVG⁺¹⁷]. **Stage** [FSXZ14]. **stages** [KW20, SRS⁺¹⁹]. **staggered** [GM18]. **Stampi** [ITKT00]. **stamping** [DPFT19]. **Standard** [DM98, GSI97, GLP⁺⁰⁰, GL95c, Hem94, MPI98a, MPI98b, NH95, SKD⁺⁰⁴, SGS10, Wer95, YKLD17, Ano94d, BDB⁺¹³, Bor99, Cla98, CG99b, DHHW93b, DOSW96, FB95, GK97, GL92, Hem96, Sti94, VM95, Wal94a, Wal94b, WD96, Ano97, Bra97, CGH94, DOSW95, GLDS96]. **Standards** [FKKC96, Thr99]. **Star** [CDM93, Co095a, Co095b]. **STAR/MPI** [Coo95a, Co095b]. **Start** [Gro02b, Hus98]. **Startup** [PS07]. **State** [ACM11, IEE94f, IEE95j, Wis96a, Wis96b, BTC⁺¹⁷, LF93b]. **state-to-state** [BTC⁺¹⁷]. **states** [NS16]. **Static** [NIO⁺⁰², NIO⁺⁰³, RLVRGP12, SCB15, SCB14]. **Static/dynamic** [SCB15]. **Statics** [TG94, TG94]. **Stationary** [MW98]. **Statistical** [LR01, SNMP10, AMHC11, KKM15, Röh00, SL94a, Vet02]. **statistics** [FL21]. **Status** [Bak98, DF21, DZ98b,

GL95c, BDG^{+93b}, FHP⁺⁹⁵, Hem96, Sun96]. **stealing** [TCBV10]. **Steepest** [Sch01]. **Steering** [GKP97, PK98]. **Stencil** [CGU12, WTH17, GÓ19, KD13, TBB12]. **stencil-based** [TBB12]. **step** [KW20, Kos95b, ZG98, vdP17]. **steps** [KW20]. **Stereo** [ZBd12, Qu95]. **Steve** [Ano96a, Ano99a, Ano99b, Nag05]. **Steven** [Ano96a, Ano99a, Ano99c, Ano99b, Ano99d, Nag05]. **Still** [HCA16]. **Stochastic** [AEW⁺²⁰, DK02, LLRS02, MW98, PTMF18, RSV⁺⁰⁵, JK10, MW21]. **Stockholm** [Eng00, HAM95b]. **Stokes** [Che99, DLR94, HSMW94, IDD94, Lou95, PTT94, SCC95, ZZG⁺¹⁴]. **stop** [Gua16, LMG17]. **stop-and-restart** [LMG17]. **Storage** [ACM04, FLS20, Hol12, LCK11, HP11, NFG⁺¹⁰, RGGP⁺¹⁸, ZJDW18]. **stores** [HSP⁺¹³]. **straight** [YULMTS⁺¹⁷]. **Strategies** [CF19, MM02, BVML12, CG99a, DBVF01, HLK⁺²⁰, MM03, OPW⁺¹², PSK08, SIC⁺¹⁹, TSZC94, VB99]. **Strategy** [AIM97, DI02, Hat98, VPS17, ZB94, ZSG12, DKF94b, DR95, LZZ⁺²⁰, MSL12, PSV19]. **Stratix** [LLVM21b, LLVM21a]. **strayed** [Rol08a]. **stream** [HSW⁺¹², LGMdRA⁺¹⁹, UGT09]. **streamer** [LZC⁺²⁰]. **Streaming** [IADB19]. **Streamline** [CGC⁺¹¹]. **streams** [TVCB18]. **StreamScan** [YLZ13]. **Strength** [Kon00]. **String** [KMM15, MM02, MM03]. **striped** [KDSO12]. **Strongly** [GAP97, ZZG⁺¹⁴]. **Structural** [PSSS01]. **Structure** [CBL10, LAFA15, SYF96, WHDB05, ZJHS20, EPML99, SEC15, SY95, ZAT⁺⁰⁷]. **Structured** [FB96, HDZ⁺²⁰, Mar06, MRB17, NLRH07, Ran05, AMKM20, Bis04, CLSP07, FR95, GBR15, JAT97, Smi93b, XJR21]. **Structures** [DK20, GMPD98, JY95, KA95, OKW95, SHPT00, WB96, YPA94]. **studies** [DHP97]. **Study** [AIM97, AFGR18, BF01, BHLS⁺⁹⁵, DARG13, DJJ⁺¹⁹, EGC02, FPY08, Ger18, GL97a, HHC⁺¹⁸, KCR⁺¹⁷, LSB15, MYL21, MMD98, MM02, NSLV16, NA01, PK05, RRBL01, SCL01, TG94, AGR^{+95b}, AML⁺⁹⁹, BJ13, BfDA94, BJS99, BY12, Bri00, CBM⁺⁰⁸, DXB96, ED94, FO94, GADM20, HIIG16, IPG⁺¹⁸, JR13, JLG05, KBG16, LPD⁺¹¹, LLH⁺¹⁴, MS96b, NS20, PSK08, PGK⁺¹⁰, PSHL11, RSBT95, RJC95, RRJ⁺²⁰, TPD15, Wal01b, WLK⁺¹⁸, ZSK15]. **Stuttgart** [KGRD10, WPH94]. **style** [JPOJ12]. **sub** [MJG⁺¹²]. **sub-communicators** [MJG⁺¹²]. **subcircuit** [HLO⁺¹⁶]. **subdomain** [CEGS07]. **subdomains** [SHHC18]. **subgroup** [XLW⁺⁰⁹]. **Submitting** [NSS12]. **Subrange** [Str97]. **Subroutine** [Saa94]. **subroutines** [dCH93]. **Subsequence** [Per21]. **Subset** [CWL⁺²⁰]. **subsurface** [ED94]. **Subsystem** [CVPS19, BMG07, MABG96]. **Subsystems** [STMK97]. **Subtle** [SAL⁺¹⁷]. **Success** [Gro01b, LF^{+93a}]. **Successes** [Gro01a]. **Successful** [Gro12]. **suffix** [DK13]. **SUGAR** [YNJS21]. **Suitability** [Mat01b]. **suitable** [MAS06]. **Suite** [ACMR14, AKE00, BWV⁺¹², MBB⁺¹², Riz17, Ano03, BO01, MKP22, MvWL⁺¹⁰, TG09, YSWY14, SNMP10]. **Suites** [MCS00, SGJ⁺⁰³]. **summary** [FL21]. **summation** [IHM05]. **Summit** [BC19b]. **Sums** [ST17, MYB16]. **SUN** [BM00, SJ02, WSN99]. **Sunderam** [Ano95b, NMC95]. **Super** [Gua16, YX95]. **Super-Object** [YX95]. **Supercomputer** [Ano93a, CLP⁺⁹⁹, Str94, AAC⁺⁰⁵, BGH⁺⁰⁵, EFR⁺⁰⁵, GL96, GL97c, KMH⁺¹⁴, NSM12, Ste94, GS91b, MAB05]. **Supercomputers** [BP93, BDG^{+92c}, EKTB99, KN17, WT11, WT13]. **Supercomputing** [ACM96b, ACM04, ACM05, BDG^{+91b}, GGZ⁺²⁰, HK93, IEE91, IEE93e, IEE94h, RV00, Liu95, Sch94, ACM94, ACM96c, Ano93g, BG91]. **superlattice** [Pri14]. **Supernode** [CS19].

superscalar [ACJ12]. **Supersonic** [CCBPGA15]. **Support** [Ano98, BBG⁺¹⁰, BFBW01, CFF⁺⁹⁴, DMMV97, FGRD01, GRV01, GOM⁺⁰¹, HRSA97, LMRG14, MK04, OP98, PSM⁺¹⁴, RR02, SDN99, SBT04, TW01, Wis98, Wis01, YSP⁺⁰⁵, ZL18, ADK22, BBH...13a, BPJ22, BL99, CC10, CZ95b, DLR94, Hos12, Maf94, RS19, RJH⁺²⁰, TSY99, TSY00, TY14, WK08a, WK08b, WK08c, YÁJG⁺¹⁵]. **Supported** [KLR16, ZGNZ22, CDD⁺⁹⁶, RJH⁺²⁰]. **Supporting** [FD00, FMSG17, FSG19b, GAML01, Gua16, MMS07, OOS⁺⁰⁸, SGL⁺²⁰, WLNL03, WLNL06, WCS99, YWCF15, FLD96, GAM⁺⁰⁰]. **Supports** [AELGE16, CLL03, DGMS93]. **suppression** [WWZ⁺⁹⁶]. **Surface** [KS15b, PKYW95, Rót19, BHW⁺¹², DCD⁺¹⁴, RAGJ95, TSP95]. **surfaces** [Dab19]. **Survey** [Sap97, ZGNZ22, BBB⁺²⁰, HJB⁺²¹]. **Survive** [ABB⁺¹⁰]. **sustainable** [CGBS⁺¹⁵]. **SVD** [CMH99]. **Swan** [HD11]. **Swapping** [SC04, BBW19]. **Sweden** [Eng00, HAM95b, FF95]. **Swendsen** [KO14, Kom15]. **Switch** [SCL01, TBD96, KSC⁺¹⁹]. **Switched** [LC93, KYL03, KYL05]. **switches** [HGX⁺²², DT17]. **Switzerland** [GT94, Ano94i, IEE97b]. **SX** [HRZ97, TSEE21, TRH00]. **SX-4** [HRZ97]. **SX-5** [TRH00]. **SX-Aurora** [TSEE21]. **Sydney** [Bil95]. **Sylvester** [GK10]. **Sylvester-Type** [GK10]. **Symbolic** [CCK12, Coo95b, Ste00, YYW⁺¹², ACM97a, BHKR95, Coo95a, Lev95, LGKQ10, LLG12, SMAC08]. **Symmetric** [BDV03, MDM17, YKW⁺¹⁸, BAV08, DCH02, GG99]. **Symposium** [ACM95b, ACM96a, Ano94a, Ano95d, BG91, DE91, HHK94, IEE93c, IEE93b, IEE94a, IEE94e, IEE94g, IEE95c, IEE95d, IEE95k, IEE95f, IEE95g, IEE96b, IEE96c, IEE96f, IEE96e, IEE97b, IEE97c, IEE05, LHHM96, Li96, NM95, Ost94, SL94a, Sie94, Sie92a, Sie92b, Ten95, Tou96, USE94, UCW95, ACM97a, ACM06a, Ano93a, Ano94h, Lev95, Old02]. **synchronisation** [SDB⁺¹⁶]. **Synchronization** [LA02, OCY⁺¹⁵, TGT05, BMG07, LA06, SPNB14, TMTP96, YLZ13]. **Synchronizing** [VT97]. **Synchronous** [Ada97, BJ13, Cer99, CLE⁺²⁰, DLRR99, HZG08, SRS⁺¹⁹]. **Synergia** [SSAS12]. **Synergistic** [UGT09]. **Synthesis** [CS14, GWC95]. **synthesized** [MC17]. **Synthesizer** [DS16]. **Synthesizing** [AJF16, LK20, NP12]. **Synthetic** [CC17, DP94]. **Syracuse** [IEE96f]. **SYSMO** [MM95]. **System** [Ada97, AJ97, AH00, BG95, BDG^{+xx}, BL95, BFZ97, BGD12, CAM12, CGC⁺⁰², DBA97, DALD18, ERS95, ERS96, EK97, FBD01a, FBVD02, FFP03, Fis01, Gal97, GCBM97, GS91b, GS92, GSxx, GM95, Gre95, HS94, IADB19, KBA02, LLRS02, LTR00, LLY93, Maf94, MRV00, MM02, MSF00, MMH98, MMS07, MMH93, NPP^{+00d}, NMS⁺¹⁴, Oed93, PPT96a, RGD97, SGJ⁺⁰³, SSB⁺⁰⁵, SCP97, SA93, ST02b, Sun93, TSS00b, Tsu07, UP01, Wil93, YSS⁺¹⁹, ARS89, ADK22, AS92, AL92, BB94, Bri95, BBH⁺¹⁵, DL10, DPFT19, DH22, FNSW99, FK94, GS91a, GS93, GS96, GMU95, GkLyCY97, HDDG09, Hum95, HS95b, IBC⁺¹⁰, ITT99, JH97, JLS⁺¹⁴, KW14, Kik93, LBD⁺⁹⁶, LKL96, LL95, MA09, MMR99, MMB⁺⁹⁴, MAS06, MM11, MS99b, MALM95, MMAH20, NAJ99, PPT96b, PPT96c, PK05]. **system** [RJDH14, RTL99, SHHI01, SL94b, Sei99, SPL99, SGDM94, Sun96, Sur95b, VSRC94, VSRC95, WCC⁺⁰⁷, WZWS08, YPZC95, YZPC95, ZL96, ZPLS96, ZWZ⁺⁹⁵, dCZG06, AL93, NMW93, Yan94]. **System-Initiated** [SSB⁺⁰⁵]. **system-on-a-chip** [dCZG06]. **System/6000** [AL93, NMW93]. **Systeme** [GBR97, GEW98]. **Systems** [AAB⁺¹⁷, Ano94b, Att96, BCGL97, BGBP01, BME02, BPG94, Bha93, CDJ95, CAWL17, COE20,

CFF⁺⁹⁴, CSW97, CJNW95, Coo95b, DAD19, EADT19, FD96, FGKT97, Fos98, GGZ⁺²⁰, Gua16, HC17, HRSA97, IEE93d, IEE94d, IEE95a, IEE95i, IEE96h, KKH03, KP96, KQT⁺²¹, KDL^{+95b}, KCR⁺¹⁷, KS97, LY93, LBB⁺²¹, LW97, MWG97, MBE03, MJB15, MBB⁺¹², SM03, SGS10, SGS⁺²¹, SS96, TMP16, TWLL19, THN00, TL19, USE94, WJG⁺²¹, YGH⁺¹⁴, YH96, ZTD19, ZB97, dGJM94, AGR^{+95b}, ACMZR11, ATL⁺¹², Ano94e, BBB⁺⁹⁴, BAC20, BAV08, CdOO⁺²⁰, CKO⁺⁹⁴, CLYC16, CBPP02, Coo95a, CPR⁺⁹⁵, DF17, DR94, DBVF01, DvdLVS94, FHB⁺¹³, GBR97, GCN⁺¹⁰, GDEBC20, GEW98, GKK09, GKCF13, Gra09, GFPG12, GHH⁺⁹³, HHA95, IPG⁺¹⁸, IM95, JB96, JJM⁺¹¹, KSG13, KHB⁺⁹⁹, KLV15, KDL^{+95a}, KFSS94, LBG⁺²⁰, LR06b, LH98, LRLG19, LCVD94b].

systems

[LGM⁺²⁰, LLH⁺¹⁴, MSL12, MvWL⁺¹⁰, Old02, OPW⁺¹², Pan95b, Par93, PSB⁺¹⁹, PGPCK21, QB12, RPS19, SSKF95, SCJH19, SPH95, SVC⁺¹¹, Smi93b, SG14, SMSW06, SLN⁺¹², Sun94b, TBB12, TMW17, TVCB18, TSP95, VLMPs⁺¹⁸, WCS⁺¹³, WWZ⁺⁹⁶, WADC99, WYLC12, ZL96, ZGC94, dH94, dIAMC11, dIAMCFN12, JWB96].

Systemsoftware [Sei99]. **systolic** [BSC99].

T3D

[AZ95, AFST95, CCSM97, HWW97, MP95, MWO95, Oed93, Sch96a, Sch96b, SCC95].

T3E [BBS99, Boo01, Che99, GRRM99, LSK04, RBB97c]. **T3E-512** [RBB97c].

T3E-600 [LSK04]. **T9000** [BR94]. **table**

[BJ13]. **tablets** [MNYN21]. **Tabu**

[BSH15, Cza13, CB11]. **Tags** [Wis97].

TaihuLight [LHZ⁺²⁰]. **Tails** [Kha13].

takes [GDB⁺⁹³]. **Talbot** [ACMR14, Riz17].

tandem [GDMME22]. **Tapir**

[SML17, SML19]. **Targeting**

[BC19b, ABB20, JKM⁺¹⁷, RVKP18]. **Task**

[AHD12, AAB⁺¹⁷, FKKC96, GDDM17,

GPC⁺¹⁷, GFJT19, IOK00, KOI01, KSB⁺²⁰, LHCT96, Mar03, MJB15, NIO⁺⁰², NIO⁺⁰³, NSZS13, NJ01, OP10, OS97, SGZ00, SPL⁺¹², SGS⁺²¹, TBS12, TS12a, WJG⁺²¹, YKW⁺¹⁸, APBcF16, ABF⁺¹⁷, BLVB18, BGH⁺⁰⁵, GKCF13, OdSSP12, OPW⁺¹², OPP00, RRFH96, RFRH96, STP⁺¹⁹, SWCB20, SKB⁺¹⁴, WC15, WDR⁺¹⁹].

Task-Based [AHD12, AAB⁺¹⁷, GFJT19, SPL⁺¹², BLVB18, STP⁺¹⁹, SKB⁺¹⁴].

task-level [WDR⁺¹⁹]. **Task-Overlapped**

[GPC⁺¹⁷]. **Task-Parallel**

[KSB⁺²⁰, NSZS13, APBcF16, ABF⁺¹⁷].

Taskers [FLD96]. **Tasking**

[DFA⁺⁰⁹, KaM10, SHM⁺¹⁰, TCM18,

TSCaM12, VLSPL19, WC15, vdP17].

tasklet [PQR18]. **Tasks**

[ACD⁺⁰⁹, DDP⁺¹⁹, DT17, DFA⁺⁰⁹, JW96,

OP98, PWP19, RR02, RDLQ12, SGL⁺²⁰,

WJG⁺²¹, YSS⁺¹⁷, YSS⁺¹⁹, BS01,

DDYM99, DR95, EBB⁺²⁰, FKK^{+96b},

FKK96a, IvdLH⁺⁰⁰, PKE⁺¹⁰, PWP19].

TAU [MMS07, RMS⁺¹⁸]. **taxonomy**

[SPH96]. **TBB** [Stp18]. **TBSCM** [BP98].

TC2 [Boi97]. **TC2/WG2.5** [Boi97].

TCGMSG [GB96, Mat94, Mat95]. **TCP**

[KPW05]. **TD** [And98]. **Teaching**

[MK00, JY95, MK97, PKB06]. **Technical**

[Ano93c, Ano98, MC94, USE95, ACM06a,

Sni18]. **Technique**

[BCD⁺¹⁵, HC06, HAA⁺¹¹, MK17, HC08,

Nes10, RBB17, MAIVAH14]. **Techniques**

[CP97, GS02, Mül01, SAL⁺¹⁷, SPL⁺¹²,

TGBS05, Wis01, AMKM20, BPG94, Fer04,

FCS⁺¹², GSM⁺⁰⁰, HKMCS94, JKN⁺¹³,

KBG⁺⁰⁹, NFG⁺¹⁰, PF05, SKS01, WST95].

technologies [Mal95]. **Technology**

[Ano97, Bra97, CGB⁺¹⁰, CSV12, Dan12,

GN95, HS94, PWP⁺¹⁶, SBT04, TBG⁺⁰²,

Ano93a, Ano93c, D⁺⁹⁵, DM12, IEE94c,

NS16, ZAT⁺⁰⁷]. **Tekniska** [Eng00].

Telegraphic [ES11]. **TELMAT** [BR94].

temperature [Hin11, RS22].

temperature-dependent [RS22].

Template [GSI97, PKB06]. **Templates** [BN12, KH15]. **Tennessee** [PR94b]. **Tensor** [BKK20, ZLWW20]. **terabyte** [KTJT03]. **Terabytes** [IEE02]. **teraflops** [KTJT03]. **Terms** [KD12]. **Tesla** [MYL21]. **Tessellation** [SS09]. **Test** [GSYT21, SNMP10, TG09, AAAA16, CPKG17, CPR⁺95, GL92, TGKL19]. **test-input** [CPKG17]. **Testbed** [Mat01b, EGH99, PY95]. **Testing** [CDT05, CCK12, DKF94b, DLLZ19, DLLZ20, Ost94, VdS00, CMV⁺94, DKF93, KSTM20]. **Testsuite** [WCC12]. **Texas** [ACM06a, IEE94b, IEE95l, IEE95g, IEE97c, Y⁺93]. **Text** [LTR00, MM01, RLL01, RTL99]. **Textbook** [Ano98]. **textural** [WKS96]. **texture** [HE15]. **TFETI** [SHHC18]. **TH** [CFDL01]. **TH-MPI** [CFDL01]. **Thakur** [Ano00a]. **Their** [Brü12, GOM⁺01, RG18, GSMK17]. **theorem** [Sut96]. **Theory** [GK10, BW12, CBHH94]. **Thera** [CD01]. **thermostat** [RS22]. **Think** [HCA16]. **Third** [BPG94, Bos96, DSM94, GA96, IEE94g, Sil96, Was96, BDLS96, Mal95, IEE97c]. **Thirty** [Y⁺93]. **Thirty-seventh** [Y⁺93]. **Thousands** [PZKK02, BMS⁺17]. **Thread** [AELGE16, BB18, ETWaM12, GOM⁺01, GT07, LML⁺19, Nit00, Pla02, STY99, SPB⁺17, AKB⁺19, HK09, IDS16, JKN⁺13, LW20, SPH96, SLN⁺12, YZ14]. **thread-based** [AKB⁺19]. **thread-data** [LW20]. **Thread-Level** [AELGE16, HK09, YZ14]. **Thread-Safe** [Pla02]. **Thread-safety** [GT07]. **Threaded** [BBG⁺10, MG15, WZM17, Ada98, EBKG01, SCB15, SVC⁺11, TSY99, TSY00]. **threaded-MPI** [SVC⁺11]. **Threading** [BHV12, MLGW18, SBT04, TBG⁺02, WMK⁺19, KPO00, KRG13, QB12, ZAT⁺07]. **Threads** [CP98, LD01, Lee06, SdR⁺21, BS01, DJJ⁺19, MVTP96, ALW⁺15]. **Three** [Car07, GA96, lLLmH⁺21, Nak05b, Ram07, SAS01, ZWLZ21, GSMK17, LSSZ15, LZC⁺20, Mar05, PR94c, ZWC21]. **three-** [GSMK17]. **Three-Dimensional** [GA96, ZWLZ21, lLLmH⁺21, LSSZ15, PR94c, ZWC21]. **Three-level** [Nak05b]. **Throughput** [HMKG19, SSLMW10, Tsu07, CJPC19, ESB13, PP16]. **throughput-oriented** [CJPC19]. **Thrust** [DSU20]. **Tied** [WJG⁺21]. **Tightly** [SS01]. **Tightly-Coupled** [SS01]. **Tilewise** [KS15b]. **tiling** [KW20]. **Time** [BCL00, CBB⁺20, CBB⁺21, DLLZ19, DLLZ20, FHK01, FSSD17, GSHL02, GOM⁺01, HO14, KFL05, MFTB95, OP98, SPB⁺17, SGL⁺20, SCL01, SS96, TWLL19, TSP95, UP01, YGH⁺14, AL96, ASB18, CDMS15, DLR94, DS22, DPFT19, DM12, Fer04, FLB⁺05, FKLBO8, GB94, HE13, HFB21, JE95, KC94, KPL⁺12, KSC⁺19, KW20, LHLK10, LBB⁺16, LYSS⁺16, LM13, MMW96, NZZ94, ÓN12, OdSSP12, PTMF18, PRQ21, QHCC17, Ram07, SBW91, SSB⁺16, SM19, SK92, SRK⁺12, TSY99, Tho94, TVV96, TCBV10, Uhl95c, VM94, YSVM⁺16, YSMA⁺17, ZWZ⁺95, SKD⁺04]. **time-critical** [KSC⁺19]. **time-dependent** [DM12, LBB⁺16, LYSS⁺16, ÓN12, SSB⁺16, YSVM⁺16, YSMA⁺17]. **time-domain** [HE13, NZZ94, Ram07, VM94]. **time-explicit** [DS22]. **time-independent** [CDMS15]. **time-stamping** [DPFT19]. **Time-Varying** [DLLZ19, DLLZ20, Uhl95c]. **times** [MLVS16, NB96, SWCB20, SSS99]. **timing** [Ols95]. **tips** [Fer04]. **TLM** [SC96a]. **TM** [GGCM99, GCGS98, KHS01]. **TN** [DT94, BR94]. **TOD** [GPC⁺17]. **TOD-Tree** [GPC⁺17]. **today** [IEE94c]. **Toeplitz** [BV99, BAV08]. **Tolerance** [GKP97, GL04, LMRG14, LNLE00, RPM⁺08, TS12a, WC09, Wil93, CLE⁺20, LRG⁺16, LGM⁺20, SG05, WDR⁺19, ZHK06]. **Tolerant** [BBC⁺02, BCH⁺03, BHK⁺06, CF01, CFDL01, FD00, FBD01a, FBVD02, FD02a, FD04, GFB⁺03, GGZ⁺20, IEE95c,

JSH⁺⁰⁵, MSF00, BCH⁺⁰⁸, FBD01b, FD02b, HG12, LMG17, LS08, MB21, NCB⁺¹², NCB⁺¹⁷, PKD95]. **Tomographic** [Pat93]. **tomography** [FWS⁺¹⁷, RCFS96]. **tomorrow** [IEE94c]. **Tool** [Ano01b, Beg93b, BFMT96b, DW02, GSN⁺⁰¹, KAMAMA17, KSJ14, KKP01, LMRG14, MMSW02, MK04, NE98, SR96, SGL⁺⁰⁰, Trä12b, VBB18, WL96a, AGG⁺⁹⁵, BDP⁺¹⁰, Beg92, Beg93c, Beg93a, BDY99, BFMT96a, BHW⁺¹², CPR⁺⁹⁵, DKF94a, FSTG99, GDMME22, HPR⁺⁹⁵, HD11, IMS16, JKN22, LSB⁺²⁰, LCC⁺⁰³, MdSAS⁺¹⁸, RMS⁺¹⁸, TSS98, WL96b, WL96b]. **Tool-Set** [WL96a]. **Toolbox** [Ano97, Bra97]. **Toolkit** [Ano12, KTXP21, LC07, LLC13, SLS96, PSH⁺²⁰]. **Tools** [ABC⁺⁰⁰, BDG^{+91b}, BDG^{+93a}, BS96a, BDL98, BoFBW00, Cha05, CDD⁺⁹⁶, DT94, EV01, GMPD98, MHC94b, MCLD01, PKB01, STMK97, Vos03, Wan97, AMKM20, AVA⁺¹⁶, BDG^{+92a}, BFIM99, Fan98, GBF95, LH98, MSW⁺⁰⁵, MHC94a, ZL96]. **Tools-supported** [CDD⁺⁹⁶]. **Top** [AHP01, Gal97, Hus01, Man01, PTH^{+01b}, Ser97, BCCR99, PTH^{+01a}, SSC96, SCL97, CCHW03]. **TOP-C** [CCHW03]. **ToPe** [JKM⁺¹⁷]. **topologies** [BCM⁺¹⁶, Gro19, MK00]. **Topology** [DK06, Hat98, HM01, Tra02a, GJMM18, HRR⁺¹¹, MBBD13, SPK⁺¹²]. **topology-aware** [MBBD13]. **Topology-Based** [HM01]. **TOPPER** [KKP01]. **Toronto** [GGK⁺⁹³, Vos03]. **Torus** [DDP⁺¹⁹, SG15]. **Townsend** [DT94]. **TPVM** [FS95, FS98]. **Trace** [Ney00, FLPG18]. **trace-based** [FLPG18]. **Traceback** [dOSMM⁺¹⁶]. **Tracefiles** [FCP⁺⁰¹]. **Traces** [CC17, MANR09, WM01, CDMS15, DWM12]. **Tracing** [CGLD01, DP94, KG96, CG93, Mor95, SGS95]. **Tracking** [GAP97, HD02b]. **tradeoff** [RPS19]. **Trading** [BHM94, BHM96]. **Traffic** [VT19, Zah12]. **Training** [CSV12, RJ21]. **Transactional** [BWW⁺¹², MFG⁺⁰⁸, SBG⁺¹²]. **Transactions** [BWW⁺¹², SSD⁺²⁰]. **Transcoding** [LSB⁺¹⁸]. **Transfer** [BKGS02]. **Transfers** [THS⁺¹⁵]. **Transform** [YULMTS⁺¹⁷, KT10, DBLG11]. **Transformation** [CLA⁺¹⁹, EP96, NSZS13, CS19, GSMK17, HZ96, TSY00, YW21]. **transformations** [JE95, TG94]. **transformed** [BY12]. **Transforming** [PSK⁺¹⁰]. **Transforms** [ACMR14, KLR16, HP11, Uhl95c, Zem94]. **Transient** [SIS17]. **transistor** [Ano03]. **transistors** [Ano03]. **Transition** [MRV00]. **Transitive** [CGPR98, PPR01]. **Translating** [Mar09, NCB⁺¹²]. **Translation** [DDL00, SSE12, HCL05, LME09, NCB⁺¹⁷, WZW21]. **Translator** [KMK16, UZC⁺¹², CHKK15, GScFM13]. **transmitters** [WWZ⁺⁹⁶]. **Transparent** [CCK⁺⁹⁵, IFA⁺¹⁶, NPP^{+00c}, RVKP19, SLGZ99, LFS93a, LFS93b, LFL11, NPP^{+00a}, SOA11]. **Transparently** [CB16]. **Transport** [KHS01, MMD98, RS97, VRS00, WR01, ZZ04, Pri14, SH94, SCJH19, WH96]. **Transporter** [Fer92]. **transpose** [Bha98]. **Transposition** [HD02b]. **Transputer** [Ara95, ACDR94, CJNW95, FK95, FF95, GN95, GHH⁺⁹³, MC94, dGJM94, ZPLS96, Ara95, CJNW95, GHH⁺⁹³, dGJM94]. **Transputers** [ACDR94, AGR^{+95b}, dCH93]. **Transtech** [Ste94]. **trap** [LBB⁺¹⁶, SSB⁺¹⁶, YSVM⁺¹⁶]. **TRAPPER** [KFSS94, SSKF95]. **travel** [SSS99]. **travel-times** [SSS99]. **traveling** [GM94]. **traversing** [BDG^{+92b}]. **TreadMarks** [LDCZ97]. **Tree** [DAD19, GPC⁺¹⁷, MB21, ADB94, AB13, BCAD06, CG93, SGS95, Zah12]. **Tree-based** [MB21]. **Trees** [CDPM03, GFJT19]. **Trends** [Duv92, IEE93d, MBS15, JPTE94, SGDM94, Sun96]. **Trial** [DSU20]. **Triangle** [SL94a, SOA11]. **Triangular** [Hog13, MRB17]. **triangulated** [Dab19]. **Triangulation** [CWL⁺²⁰]. **tricks**

[Fer04, LK14]. **Tridiagonal** [DALD18, DAD19, DR18, VLMPS⁺18]. **Triolet** [RJDH14]. **Trivandrum** [IEE96a]. **Troy** [SS96]. **Truncated** [ZB97]. **truncating** [Ram07]. **TSMC** [Ano03]. **TSUBAME** [NSM12]. **TSUBASA** [TSEE21]. **Tsukuba** [SHM⁺10]. **tsunami** [KNH⁺18]. **TTIG** [RRBL01]. **Tubal** [ZLWW20, ZLWW20]. **Tubal-Rank** [ZLWW20]. **Tucker** [BKK20, OPJ⁺19]. **TuckerMPI** [BKK20]. **Tucson** [JB96]. **tuned** [PSB⁺19, VLCM⁺20]. **Tuning** [Ben18, Cza02, Cza03, LWSB19, NPP⁺00d, PSH⁺20, SLJ⁺14, SdR⁺21, WG17, YT20, DBLG11, FE17a, FE17b, LGG16, SH14, Yan94, FVD00]. **tuple** [MYB16]. **tuple-based** [MYB16]. **Turbulence** [Str97, MRRP11, Str96]. **turbulent** [BCM⁺16, CBYG18, NS20]. **Tutorial** [EM00a, EM00b, GBD⁺94, GLT00b, Nov95, NMC95, Per96, Ano95b]. **TV** [CIJ⁺10]. **Twenty** [ERS95, ERS96, HS94, IEE95c, MMH93]. **Twenty-Eighth** [ERS95]. **Twenty-fifth** [IEE95c]. **Twenty-Ninth** [ERS96]. **Twenty-Seventh** [HS94]. **Twenty-Sixth** [MMH93]. **Two** [CM98, STY99, SJK⁺17a, SJK⁺17b, YM97, AGR⁺95b, AL93, ADLL03a, ADLL03b, CB11, ED94, HAJK01, LK20, MSP93, dIAMCFN12]. **Two-Dimensional** [SJK⁺17a, SJK⁺17b, AL93]. **two-layer** [dIAMCFN12]. **Two-level** [STY99]. **two-phase** [ED94]. **TX** [ACM00, Cha05, DKM⁺92, Ano95a, Ano95d]. **Type** [GK10, MSB97, FVLS15, GFPG12]. **Types** [Wel94, NYNT12]. **typy** [OA17]. **U.S.** [LD01]. **U.S.A** [Ano94e]. **Überblick** [Wer95]. **UK** [Abr96, AD98, EJL92, HK95, BP93, CJNW95, MC94]. **UKMO** [RSBT95]. **ULFM** [LCMG17, LGM⁺20]. **Ultra** [SJ02]. **Ultra-High** [SJ02]. **Ultrafast** [KRC17, FWS⁺17]. **ultrashort** [MV20]. **Ultrasonic** [ASAK19, DLLZ19, DLLZ20]. **Umgebung** [GBR97]. **UML** [RGD13]. **UML/MARTE** [RGD13]. **Umpire** [VdS00]. **Unbalanced** [OP10]. **Uncertainty** [MBS15]. **underlying** [RS21]. **Understand** [DeP03]. **Understanding** [CRE01]. **underwater** [ZWC21]. **unexpected** [LFW20]. **Unibus** [KSSS07]. **UNICOM** [Ano93h]. **Unified** [KC19, GKZ12, JC17, KSL⁺12, KLV15, STA20]. **unifies** [RJDH14]. **uniform** [KSG13]. **uniformly** [Trä12a]. **Unify** [VSRC94, VSRC95]. **unifying** [CCM12]. **Unintended** [SAL⁺17]. **unit** [JPL22, VDL⁺15, MSML10]. **United** [Boi97]. **Units** [KS15b, LSVMW08, ABDP15, BHS18, LHLK10, WWFT11, HJBB14]. **Universal** [LW97, DDLM95]. **University** [CGB⁺10, IEE94d, IEE95j, R⁺92]. **Unix** [OLG01, RBS94]. **Unleashing** [TCM18]. **unscharfer** [Wil94]. **Unstructured** [AB93a, NO02b, SM02, SM03, AB93b, NO02a, TPD15]. **unsupervised** [RTN21]. **unveils** [Ano03]. **UPC** [EGC02, MTK16, Mar05, SJK⁺17a, SJK⁺17b]. **Update** [DF21, KT10, GSMK17]. **Updates** [ESB13, KS15a, ZDR01, HSE⁺17]. **UPM** [NPP⁺00d]. **ups** [Ano03]. **USA** [ACM96b, ACM98b, ACM00, ACM06a, AGH⁺95, BBG⁺95, BS94, Cha05, CGKM11, DT94, EV01, EdS08, ERS96, Gat95, Ham95a, Hol12, IEE95b, IEE95d, IEE96f, IEE96e, IEE96i, MCdS⁺08, Old02, PBG⁺95, Ree96, RV00, Sin93, Ten95, ACM95b, ACM97b, Agr95a, Ano89, B⁺05, DKM⁺92, GT19, HS94, IEE94e, IEE95k, IEE02, Ost94, SL94a, SS96, USE94, USE95, USE00]. **Usage** [FD02a, FCLG07, BBB⁺20, FD02b, FVLS15, FL21, PIR⁺20]. **Use** [FJBB⁺00, Gro02a, HK93, HK95, MB12, PSZÉ00, Shi94, AB95, GEW98]. **used** [JKN22]. **USENIX** [USE94, USE95]. **User** [AD98, ACDR94, BDG⁺91a, CHD07, CD01,

CDND11, DKD05, D⁺91, DHHW92, DHHW93a, DLM99, DKP00, DLO03, FCLG07, GBD⁺94, GN95, KGRD10, KCP⁺94b, KOW97, Kra02, KKD04, LKD08, MC94, MTWD06, NPP⁺00c, Nov95, NMC95, Per96, RWD09, TBD12, XF95, ZWZ05, Ano95b, BBB⁺94, BDW97, KCP⁺94a, LRG⁺16, RSC⁺15, Reu01, Wil94, BBH. . . 13a]. **User-Level** [DHHW92, DHHW93a, KCP⁺94b, KOW97, NPP⁺00c, XF95, ZWZ05, KCP⁺94a, LRG⁺16, BBH. . . 13a]. **Users** [Ara95, CHD09, KQT⁺21, HJB⁺21]. **uses** [SH96]. **Using** [AR01, ADRCT98, AHP01, And98, AP96, Ano95e, AKE00, AZG17, AB93a, BST⁺13, BPMN97, BG95, BS93, BKGS02, BM97, Bon96, BBC⁺00, BBH12, CGC⁺11, CRE99, CMM03, CP97, CSPM⁺96, CJvdP08, CC17, Che99, COE20, CCSM97, CDM93, CCHW03, CRGM14, CT94a, CCBPGA15, CD98, DeP03, DARG13, DDN⁺22, DAK98, DGMJ93, DGH⁺19, EM02, EMO⁺93, ESM⁺94, EK97, FAFD15, FD04, FDG19, FTVB00, FS93, GGCM99, GCGS98, GTH96, GM95, GK97, GS96, GSYT21, GMPD98, GHL97, GJN97, GLS94, GLT99, GLS99, GLT00b, GLT00a, Gro19, HB96b, HSMW94, HJ98, HLP11, HD00a, HT08, HRSA97, HT01, IOK00, IDD94, IKM⁺01, JFGRF12, JPP95, KB98, KOI01, KKV01, KF16, KS96, KA13, LLRS02, LTR00, LRT07, LTRA02, LFS⁺19, LY93, LLY93, LZ97, LSB⁺18, LAFA15, MK17, MTSS94, MPD04, MR12]. **Using** [MSCW95, MANR09, MBB⁺12, MSB97, NO02b, NIO⁺02, NIO⁺03, Neu94, NH95, NA01, OM96, OCY⁺15, OWSA95, PWP⁺16, PK98, PPT96c, POL99, PT01, Per99, Pet97, PBK00, PD98, PGF18, Pus95, QRMG96, QMGR00, RR00, Reu03, RRBL01, RLVGRP12, RLL01, RRG⁺99, SAS01, Sev98, SSAS12, SP99, SA93, Smi93a, SBR95, STV97, SMOE93, SSB21, Sta95b, ST17, SKH96, SCL01, SJK⁺17a, SJK⁺17b, TS12a, TSB02, TSB03, TSN21, TK16, TBB12, Tha98, Tra98, Tsu07, VLO⁺08, WO95, Wal01a, WTS19, WJ12, WLR05, Wis97, Wis01, WMC⁺18, WLYC12, YKW⁺18, ZWLZ21, ZCBD22, ZBd12, van97, vdLJR11, vdP17, AMHC11, ASAK19, AK99, ABF⁺17, AL96, ADT14, ABG⁺96, AB93b, AGIS94, AGG⁺95, BV99, BBC⁺19, BFL99, BAE22, BSC99, BDG⁺92c, Bic95, Bis04, BCM⁺16, BTC⁺17, BCD96, BID95, BAG17]. **using** [BSH15, BMG07, CJPC19, CPM⁺18, CG93, CBM⁺08, CBYG18, CdGM96, CS14, CLBS17, CT94b, CC00b, DG95, DMK19, DS13, DS22, DRUE12, DSOF11, DCH02, DM12, EGDK92, FB96, FSV14, FSC⁺11, Fin94, Fin95, FHC⁺95, FWS⁺17, GGGC99, GSMK17, GG09, Goe02, GFB⁺14, GMU95, GM18, GRTZ10, GADM20, HB96a, HDDG09, HTJ⁺16, HP11, HPS⁺96, HPLT99, HASnP00, Hol95, HLO⁺16, HAA⁺11, IJM⁺05, IM95, IKM⁺02, JL18, JKN22, JF95, JPL22, JKHK08, JLS⁺14, JJY⁺03, JJM⁺11, JPT14, JR10, JMdVG⁺17, KFA96, KRKS11, KY10, Kat93, KJJ⁺16, KR09, KMK16, KME09, KMC96, KMC97, KRC17, KMM15, KD13, KPK13, LP00, LSG12, LSSZ15, LHZ⁺20, LCY96, LSVMW08, LCMG17, LO96, MMR99, MP95, Mar06, MSMC15, MNYN21, MAB05, McK94, MKP22, MM11, Mic93, Mic95, MRH⁺96, MMM13, MSML10]. **using** [MS95, MM14, MC99, MvWL⁺10, NO02a, Nak05a, NZZ94, NB96, NAJ99, NU05, OKM12, OIH10, Ols95, OHG19, Pat93, PDY14, PGdCJ⁺18, PSV19, PNV01, PKE⁺10, QRG95, RJC95, RAS16, RCFS96, RBAI17, RM99, RCG95, SHLM14, SdM10, SLGZ99, SSN⁺21, SGS95, SSS99, SMS00, SOA11, SVC⁺11, SSGF00, SBB20, SOYHDD19, SFLD15, SSN94, SU96, SP11, Stp18, Stp20, TC94, TPLY18, Tsu95, Uhl94, Uhl95b, UH96, VM94, VB99, VGS14, VM95, WO96, Wal01b, WCS⁺13, WCVR96, WST95, WMRR17, WRMR19, WADC99, Wor96, WYLC12, XF95, XJR21, XR21,

YULMTS⁺¹⁷, YWC11, YWCF15, YCA18, ZWHS95, ZSK15, ZAT⁺⁰⁷, ZZ95, Ano95c, Ano00a, Ano00b]. **UT** [Hol12]. **UTE** [JF95]. **Utilising** [SC96a]. **Utilities** [CC95]. **UV2** [TW12]. **UVM** [NSLV16].

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[BDGS93, GKP96, GKP97, HJ98, KA13, MVY95, NAW⁺96, PK98, PCY14, Wis96a, ZLGS99, Bor99, Eng00, FHC⁺95, HPS95, KFA96, TSS98, WST95, Wis96b].

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Voltage [KFL05, FKLB08]. **Volume** [Ano99a, Ano99c, Ano99b, Ano99d, DLLZ19, DLLZ20, DFN12, GHLL⁺98, KLH⁺20, SOHL⁺98, BHW⁺12, DS22, WST95].

Volumes [GAP97, SOA11]. **Volumetric** [KA13, CLBS17, KGB⁺09]. **Voodoo** [PMZM16]. **VOOM** [BR91]. **VORD** [KSJ14]. **VR** [DBA97]. **VRML** [ACM96a, NM95, KSJ95, KSJ96].

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VTDIRECT95 [HWS09, SWH15]. **vulnerabilities** [LCH⁺22]. **VxWorks** [YGH⁺14].

WA [ACM05, LCK11]. **Wailea** [ERS96, HS94, MMH93]. **wait** [SWCB20].

Waknaghat [CGB⁺10]. **walk** [RJH⁺20].

Walker [Ano96a, Ano99a, Ano99b, Nag05]. **walks** [MW21]. **wall** [NB96]. **wall-clock** [NB96]. **walls** [JAT97]. **WAMM** [BCLN97].

Wang [KO14, Kom15]. **Warehousing** [DERC01]. **Warp** [MPZ21, SCL01, HKOO11, MMW96, VSW⁺13]. **WARPED** [MMW96]. **WARPmemory** [SFO95].

Washington [B⁺05, BS94, IEE93c, IEE94h, IEE95k, Ost94]. **watching** [JLG05]. **water** [DS22, HTHD99, R⁺92, STA20, dIAMC11, dIAMCFN12]. **Waterman** [KDSO12, RGB⁺18]. **watershed** [NAJ99].

Wave [BBC⁺00, EMO⁺93, ESM⁺94, NSLV16, SMOE93, Gei94, KM10, KEGM10, Mal01, NS20, NB96, RMNM⁺12].

Wave-Particle [NSLV16]. **Waveform** [LSR95]. **Wavelet** [Uhl94, Uhl95b, Zem94, vdLJR11, Uhl95a, Uhl95c]. **Way** [Vog13, HLK⁺20, WDR⁺19, FGT96]. **ways** [CZ96]. **WCRT** [SGS⁺21]. **weak** [SD16].

Weather [AHP01, HE02, Bjo95, KOS⁺95a, Mal01].

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where [KC94]. **which** [SH96].

Whippletree [SKB⁺14]. **whistler** [NS20].

Wide [FGG⁺98, MPZ21, dOSMM⁺16, FGT96, KHB⁺99]. **Wide-area** [FGG⁺98, FGT96]. **Wide-Warp** [MPZ21].

WIEN [Gao03]. **Will** [CB00]. **William** [Ano95c, Ano99c, Ano99d, Ano00a, Ano00b].

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windows [QB12, QM21, RGGP⁺18, Ano01a, CLP⁺99, FD97, GGGC99, PS01a, SFG98, SSSS97, TAH⁺01]. **Windows95** [SSSS96]. **Winona** [Ano94h]. **wireless** [Bon96]. **wissenschaftliche** [MS04]. **wissenschaftliches** [Ano94c]. **within** [WDR⁺19]. **without** [BW12, Pla02, RSC⁺19, YLZ13].

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Work [HRSA97, Pet00a, Pet00b, WQKH20, OdSSP12, TCBV10].

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