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

Tel: +1 801 581 5254
 FAX: +1 801 581 4148

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

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Title word cross-reference

<p>#COVIDisAirborne [DCK⁺23].</p> <p>2 [VSS⁺13, Wal18]. 256⁴ [IKY⁺10]. 3 [AKW19, ARR99, BGM15, CSGM17, FIMU19, GGS01, HSLK11, KC18, PR95, SSCF19, THL88]. ² [AMC⁺18]. ³ [KPST18]. α [TKSK88]. \mathcal{H}^2 [MY24]. $d = 2$ [BRT⁺92]. H [YIYD19]. $\mathbf{CH} + \mathbf{H}_2 \rightleftharpoons \mathbf{CH}_3^* \rightleftharpoons \mathbf{CH}_2 + \mathbf{H}$</p>	<p>[ASW91]. \mathbf{CuO}_2 [SSSW91]. ILU [SZ11]. k [TNLP13]. K_2 [CBW95]. LU [BLRR01, DD89, DD91, IGDQO19, LM23, MC21, YZC⁺15]. $M \times N$ [BYCB05, DP05, JLO05]. N [HJ96, SWW94, DAB⁺12, FT19, RTRG⁺07, INS⁺20]. \star [NC18].</p> <p>-Body [HJ96, SWW94, INS⁺20, RTRG⁺07, DAB⁺12, FT19]. -D [SSCF19, ARR99, GGS01, PR95, THL88].</p>
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-matrix [YIYD19]. **-ULV** [MY24].

0th [RAGW93].

100 [IHMM87]. **100k** [INY⁺14]. **10P** [DD89]. **164** [LT88]. **19** [ABL⁺22, JMM⁺21, LWL⁺23, OWC⁺21]. **1917-1991** [Mar91]. **1A** [HXW⁺13]. **1s** [McN89].

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[BGB⁺22, CL95, CC95, CNW⁺23, CLM⁺16, DD89, DD91, DCK⁺23, GCL93, HGMW12, LT90, LYL⁺16, Mor89a, ZBH⁺23]. **200/VF** [DD89]. **2000** [CLBS17]. **2003** [OL05]. **2004** [DT06]. **2019** [BQOS21]. **2019-PACO** [BQOS21]. **205** [ABAS87, McN89]. **29** [Ano24].

3 [BG00, CM97, JLO05]. **3-D** [BG00, CM97]. **3.0** [BRM03]. **3090** [DD89]. **3090-200** [DD89]. **3090-200/VF** [DD89]. **31G*** [PUR94]. **3800** [WOG95].

416 [THL88]. **450** [MAB⁺13]. **4d** [EM23].

5 [HRM89]. **5/SE** [KJH96]. **5d** [EM23].

6 [Pla09, PUR94]. **6-31G*** [PUR94]. **600J** [DEKV92]. **623** [LYL⁺16]. **64-core** [VEMR17]. **6d** [EM23].

80 [DD91]. **860** [HGD91, KR95]. **87545** [Bus87].

90 [DL97].

A&M [Nas92]. **A-grid** [MYG23]. **ab-initio** [SKE⁺23]. **Abisko** [VDF⁺23]. **abstraction** [MFOAGE18]. **accelerate** [GLZS14].

Accelerated [ELEB21, FFZ⁺23, AWWG19, BLU⁺22, CSGM17, CMMW23, GDKWS15, IJB22, KNPS21, NOM⁺19, RDG12, RWM17, SFLC18, SE12, TRS13]. **Accelerating**

[AJ24, BHZ⁺23, CLG13, HPS⁺22, JDD18, KPST18, LDLD19, MPD⁺12, VOL⁺14, WZH⁺20, CAE⁺13, JCK21, MP18, VBVD22, YFS⁺14]. **Acceleration**

[AGC⁺19, ATL⁺15, CKE08, SO23, ŚCKW19, CLBS17, KDO16, LQJG16, MGS⁺15, PKC23, SDF⁺17, SSCF19, VSW⁺22, VMPW20].

accelerator [RMV⁺19, RTRZ22].

accelerators [Ano24, HDL⁺15, MCU⁺13, MFOAGE18, NOM⁺19].

accelerators/InfiniBand [NOM⁺19].

Access [Bri10, KR11, NTKP06, WHL03, DKMT18, DCN17, HGMW12, Wal18].

Accessing [HLP⁺03]. **Accuracy**

[HCCG20, OY22, SK20]. **Accurate**

[LR09, LRO10, TMWS91, VFD04, HLK⁺23, WSD⁺14]. **Acknowledgments**

[Ano02c, Ano02d]. **Acoustic**

[GKN⁺96, MBF⁺11, ALE⁺20]. **acoustics**

[MSP⁺24]. **Across** [KS05, SB19]. **ACS**

[Mar88a]. **Action**

[DBA⁺09, Num04, TGS⁺22]. **Active**

[Her91]. **Activity** [CY08]. **ACTS** [DT06].

acute [TGS⁺22]. **Ad**

[BG02, CHZ02, IBC⁺10, TNBG07]. **Ad-Hoc**

[IBC⁺10]. **Ada** [Kok88]. **adaptation**

[DCLS19, RHK21]. **Adapted** [PMS⁺04].

Adapteva [VEMR17]. **Adapting** [DE03].

Adaptive [AH93, CKPD99, CW05,

EDSV06, FSC⁺11, HT04b, HRW19, JSSZ09,

Kal09b, RV15, SR05, TRS13, VR00, Wri12,

dRADS⁺18a, GDM⁺23, IJB22, KBY⁺19,

LST15, LPB⁺16, LSLR⁺20, LNR⁺24,

ZMG⁺21, dFRD⁺23, FSC⁺11].

Adaptive-CoMPI [FSC⁺11]. **adaptively**

[Sta19]. **Additive** [PR95, MK24, TBB⁺22].

Address [MHW15, SBG10, CLVYC⁺24].

Addressing [SWA⁺14]. **adjoint** [YWL⁺14].

adjoint-based [YWL⁺14].

Administration [SDA⁺01]. **Adsorption**

[CH94]. **Advanced** [Ano87a, MA15,

OMDS23, TC10, WH20, Don89]. **Advances**

[KKDV03, KKD05, LK10, NPT⁺06, BC14].

Advisor [GVF⁺18]. **Aerodynamics**

[YM91]. **aeromechanical** [PLJD24]. **aerosol** [ABL⁺22, DCK⁺23]. **Aerospace** [MAB07]. **affine** [RCAE⁺20]. **affinity** [HLK⁺23]. **against** [ABL⁺22, LWL⁺23, SFLC18]. **Agenda** [Ano87b]. **agent** [BCH⁺23, WDH⁺15]. **agent-based** [BCH⁺23]. **Agents** [QWIC02]. **Aggregation** [ZRC⁺06, AMC⁺18, WVL⁺16]. **agricultural** [SH93]. **ahead** [CNW⁺23]. **AI** [CDG⁺21, CNW⁺23, DCK⁺23, TGS⁺22, WHGT22]. **AI-based** [WHGT22]. **AI-driven** [CDG⁺21, TGS⁺22]. **AI-enabled** [DCK⁺23]. **AI4IO** [WHGT22]. **Aided** [MM90]. **aircraft** [GDS17]. **AIX** [Ano01a]. **Alamos** [BBB⁺91b, Bus87]. **Albany** [DWT⁺19]. **Albedo** [Tho90]. **Algebra** [CDQS04, CDP⁺94, Don02a, Don02b, Ede93, GJMS88, JO92, KJH96, MA15, PB19, Poz97, AAB⁺21a, ATD17, FTB13, AAT⁺20, LRLG19, MBvdG13]. **algebraic** [BGO20, HLRK24]. **Algorithm** [AH93, AEPR92, ARR99, BCCL09, Bai88, BMT89, CBW95, CBV97, DIB00, GJMS88, GCD97, HA91, HT04b, ILJ93, JL89, KVY⁺90, KC92a, KC92b, LP10, LRBS89, LJC⁺10, Mar87a, Mor89a, SCB⁺95, Sta19, SD87, TRS⁺10, UF89, WCE95, ABH⁺18, AAA⁺22, AHB⁺16, BGM15, DSH⁺16, GHL15, HLZ⁺20, INS⁺20, KWEF18, LSLR⁺20, MJGL13, NMAE13, NS21, PH19, RPD⁺19, UZM⁺14, WWC⁺24, YZC⁺15, YB12, ZWS21]. **Algorithm-based** [Sta19, YZC⁺15]. **algorithmic** [HHSM19]. **Algorithms** [AM00, BG02, Cha88, CDT05, CAK⁺07, Fro91, GD09, GKMT00, HdV18, KLJ87, MS09, MPS15, NK89, NZ93, PMS⁺04, RRV06, SC04a, Sha88, Wad99, CGW19, Cec20, CdVL⁺18, CSC19, ESW⁺12, FTB13, LRLG19, NC18, QSX⁺20, dAVCM⁺19, McR87]. **aligned** [RWM17]. **aligner** [IMB⁺19]. **Alinea** [MA15]. **All-Gather** [TRS⁺10]. **all-reduce** [CGW19]. **All-to-All** [BJ92]. **Alliant** [DD91]. **Allocation** [AAF⁺01, FBBC03, WPBB01, YB07, Jea13, MRD⁺15, SPNB14]. **Alpha** [KHP⁺04]. **Alps** [AGK⁺23]. **Altera** [RGB⁺18]. **Alternative** [SWHP05]. **Amazon** [Pap11]. **AMBLE** [HBSP08]. **AMD** [KNPS21]. **Amdahl** [ABD⁺18, HE01]. **amines** [PUR94]. **ammonium** [PUR94]. **Amplitude** [BGK⁺90]. **AMR** [RV15, SZC12]. **AMReX** [ZMG⁺21]. **analog** [PUR94]. **Analysis** [ACD07, BBC⁺00, Del93, DH96, DF08, EGMP93, Eyr06, GHM⁺10, GNB11, HVWS09, HVSW09, HLW00, IMW⁺13, IHMM87, Ish91, LM03, LWL05, MB87, Mic09, RS03, SSQ08, SCB⁺95, SE92, SC09, SGFC09, SBG10, SBBS06, THDC09, WBFB04, YRA⁺02, ZRC⁺06, dRADs⁺18b, BBDH14, BCLP17, CAA⁺20, CHWS20, DWT⁺19, EAG⁺19, FIMU19, FAB⁺21, GKR⁺22, GPO⁺20, IMH⁺11, IMH⁺12, JKD⁺11, JDAD19, LH18, LSES20, LRLG19, MPD⁺12, MP18, MCR⁺17, MJD16, MRD⁺15, PLJD24, PB23, PF16, RDPK22, STP⁺13, SDJ17, TKA⁺17, TDM⁺17, LS90]. **Analytic** [CHWS20, MA89, THDS19]. **Analytical** [FFR⁺10, HPA⁺22]. **analytics** [AGHR19]. **Analyze** [KKCB98]. **Analyzers** [Ano01a]. **Analyzing** [BRU05, NC18, UZM⁺14, WPBB01]. **Anatomy** [FKT01, KWEF18, YFH⁺96]. **Andabyss** [Spr06]. **Angara** [SDI⁺19]. **Animal** [UB95]. **animated** [LSS93]. **Animation** [SS89]. **anisotropic** [DCLS19]. **Annex** [Ano02f, Ano02h, Ano02g, Ano02i, Ano02j, Ano02e]. **Announcements** [Ano92a, Ano92b, Ano92c, Ano92d]. **anomalies** [JRP⁺23]. **Aperture** [MPG93, ZCZ⁺13, SVBP13]. **API** [BH00]. **Appendix** [Ano01a, Ano02f]. **Appendixes** [Ano01a]. **Appl** [Ano24]. **AppLeS** [SBWS99]. **applicability** [WKLW19]. **Application** [AS00, Bar09, BKRSR09, BCC⁺01, BWB⁺10, BPK⁺07, BB02, CWG09, DW97, DFMD94, FTB13, FSC⁺11,

GHM⁺10, GHZ10, Kal09a, KKCB98, KS09a, MSHPV18, Mic09, MS95, NKR90, OCC⁺08, PPK09, PHC⁺10, SC09, TM99, TKA⁺17, AKW19, CMS⁺11, CSC24, DEL⁺12, DBD⁺23, ESD⁺22, GVF⁺18, MPB⁺22, MCR⁺17, Ozs16, SHK⁺18, VSW⁺22, WD21].

Application-based [MSHPV18].

application-level [DEL⁺12].

Application-tailored [FTB13].

Applications [AGR⁺03, Ano91b, Ano92g, Ano92e, Ano92f, Ano93a, Ano94a, Ano95b, Ano95a, Ano96a, Ano97b, Ano97c, Ano97a, BGG05, BP01, BDP01, BV11, BM12, BM13, BBT23, BBH⁺06, BRU05, BJ92, BJK07, Bus87, CBL10, Cot04, Cza03, Dar99, Dee10, DH96, DE03, FGC⁺05, Fra05, GKP97, GMLP08, GG14, HT04a, HLW00, HRM89, JMC05, KBA00, Key09, KUE⁺00, LDGR03, Lee03, LM03, kLCCW07, MKG90, MYCR06, Mar87a, MAB07, ME14, MYC92, Mor89b, NFK98, NPT⁺06, RBMF87, SC04b, SSNM92, SVN09, SBG10, SKC10, TXD⁺07, TLG98, TAR⁺08, Wal03, WWA⁺11, WBFB04, ZOF90, dSSB⁺08, AAB⁺21b, Akb24, ASHH16, Ano94c, dRADs⁺18b, ABD⁺18, AGHR19, BH17, BRGR11, BPR18, BSW⁺14, BEK⁺18, BGB⁺18, BG11, CSS24, CDRV15, CSC24, CRS⁺19, CBD⁺17, DAB⁺12, DMQS12, ECG⁺13, EJD⁺19, GCSK13, HGWN14, IMB⁺19, JRT16].

applications

[KPR17, LRG⁺16, Lap22, LSES20, LWT⁺11, MGB12, MFB⁺19, MCR⁺17, MDH⁺18, MCU⁺13, MBF⁺21, PH91, PNFC16, RV15, RSCC⁺24, SDJ17, SKZ⁺18, SIC⁺19, SLG95, SMZ⁺18, TM23, TNLP13, THC⁺11, TNCC21, UZM⁺14, VMPW20, WDW⁺12, WD19, WD24, ZMG⁺21, Ano98b, Ano99, OMDS23, Ano91a, Ano98a, Ano00, Ano01b].

Applications-

[Ano91b, Ano92e, Ano92f, Ano93a].

Applications-Information [Ano92g].

Applied [vLRA⁺03, BE17, IKMS⁺19, MÁAC⁺24, MPB⁺22]. **Applying**

[Dem90, LDGR03, LSES20, MBHF15].

Approach [BYCB05, DZ07, FBW⁺87, KS09b, LDB⁺06, NTKP06, Sha88, uITH07, Spr06, DCM⁺17, FTB13, GS18, HLC⁺19, HGWN14, IGDQO19, KBY⁺19, MGB12, MP18, MJD16, PNFC16, ZB20].

Approaches [SWHP05, MJGL13, VSW⁺22].

Approximate [Cho01, HFV⁺12, MGFP20].

Approximation [DGJ09, LSLR⁺20].

Aqueous [PRT90]. **Architectural** [Gro03, TXD⁺07]. **Architecture** [BAA⁺06, Hua03, HWP03, Ish91, KBA00, KFM⁺10, SC04b, BHZ⁺23, HCCG20, MMDA19, RHK21, VDF⁺23].

Architectures [BFL199, GD09, HD05, HdV18, HLW00, HSLK11, MS02, RW03, RS03, SSQ08, AKC⁺19, BSK14, AAT⁺20, GGMJF⁺20, HFV⁺12, IMH⁺11, IMH⁺12, INS⁺20, JO92, KILL13, LNSMMA15, PB23, STP⁺13, Udd17, VOL⁺14, YFS⁺14]. **Area** [DFP⁺96, MYCR06, MAJJS03, NBB⁺96, Ade21, Rad18]. **Argonne** [Don89]. **ARION** [HLP⁺03]. **Arising** [Ma00]. **Arithmetic** [BSBF89, Gro03, AAB⁺21a, LH19].

ARMCI [NTKP06]. **Army** [Aus92]. **Array** [BBDR95, CYT⁺02, JO92]. **Arrays** [HC08, NPT⁺06, CBD⁺17, DFT⁺15, Wal18].

Arrival [Wit92]. **art** [KNPS21]. **Artificial** [Ano87d, YIME19]. **ASCI** [PK04]. **Aspects** [RW03, ZOF90]. **Aspen** [SVBP13].

Assessing [ACM88, MWC⁺05, TDG⁺19].

Assessment [ZOF90, ABL⁺22].

assimilation [DBD⁺23, FR22]. **Assist** [BB02]. **association** [GDKWS15]. **assuring** [IGA24]. **astronomy** [CLG13, VFJ⁺15].

astrophysical [FT19]. **Asynchronous** [ALE⁺20, TNBG07, BBDH14, MC21, NCA21, PH91, RWM17, TNCC21].

Asynchrony [WWA⁺11, QAL⁺23].

Atmosphere [DEE⁺12, HAF⁺96, MS05, MW12, TD08, AGC⁺19, EAG⁺19].

Atmosphere-Ocean [HAF⁺96].

Atmospheric

[ARR99, DFS⁺05, GGS01, WD05, AWWG19,

AJ24, Ano22a, MKM⁺19, NBE⁺22]. **atom** [TSH⁺19]. **Atomic** [HB90, IHMM87, LRT07, SYF96, HYY⁺22]. **Atomistic** [NKiN⁺08, GSK⁺15]. **Attributes** [Del93]. **Audio** [TC10]. **August** [DT13]. **Auto** [THC⁺11, CH13, KFJ20, TRS13]. **Auto-tuning** [THC⁺11, CH13, KFJ20, TRS13]. **Automata** [AKP08, MHS11, RES87, GDS17]. **Automatic** [BHK⁺06, CBL10, CDCV06, Cza03, KMPJ08, MJ04, RCAE⁺20, Yel04, CH13]. **Automatizing** [EB23]. **Automaton** [BCZM07]. **Automobile** [HTSK90]. **Autonomous** [SKB01]. **AutoParallel** [RCAE⁺20]. **Autotuning** [OV13, BHK⁺13, CBM13, LSLD23]. **autotuning-based** [LSLD23]. **Availability** [Pra01]. **Aware** [KCC⁺06, TCW06, YBA⁺03, BGO20, CZR⁺11, GJMV18, HTD⁺14, HLW⁺16, JPV23, KPR17, MRD⁺15, WHGT22, BQOS21, SS10]. **Awareness** [HBSP08]. **Axisymmetric** [SG91]. **Azzam** [Ano24].

B [Ano02h, Ano01a, Ano02g]. **B.E.** [BPBL11]. **Babel** [EKD⁺12]. **Back** [BPBL11, BIC⁺10, BBD⁺17]. **Balance** [BG09]. **Balanced** [BFNV07]. **Balancing** [GS05, GLGLB⁺11, SK20, ZBMK11]. **Band** [Tho90]. **Banded** [Ano02k]. **bandwidth** [CIWI17]. **Barnes** [INS⁺20]. **barotropic** [KTP⁺24]. **barrier** [SKE⁺23]. **Based** [AM00, CY08, CLP⁺99, DCL⁺08, FSC⁺11, GGS01, GRC08, Gro03, Gus04, Hua03, Key09, MWM⁺08, Nak99, Num04, PGTS10, PPK09, PBAL09, QH08, SG07, TCW06, TC10, VDB04, WPBB01, dS21, Akb24, Ano24, ATL⁺15, BHZ⁺23, BGM15, BE17, BEW16, BCH⁺23, BAP⁺12, CDL20, CBM13, CHT⁺19, CZR⁺11, CNW⁺23, CCBL18, DSH⁺16, DAB⁺12, EDB19, ELEB21, FTB13, FR22, GSA⁺19, GDS17, HTD⁺14, HDL⁺15, HLP⁺03, JKD⁺11, JDD18, JKBW18, JCK21, LM03, LWL⁺23, LSLD23, MGB12, MSHPV18, MJGL13, ML20, NC18, PSV⁺16, PGK⁺24, STP⁺13, Sta19, SDI⁺19, SPNB14, TR17, TPG⁺18, WKLW19, WKLW21, WZHG17, WHGT22, YZC⁺15, YWL⁺14, ZZG⁺14]. **Basic** [Gir02, JO92, KJH96, Don02a, Don02b]. **basis** [AAG⁺23, EKF⁺19, LDLD19]. **Batched** [HDL⁺15, Ano24]. **Bay** [WLV⁺96]. **Bayesian** [KPST18]. **BDDC** [SO23]. **Beambeam3D** [SSQ08]. **Beamforming** [CYT⁺02]. **Bearing** [FFNP97]. **Behavior** [AK93, BHZ⁺23, DCN17]. **behaviour** [CHT⁺19]. **Bell** [dS21]. **BenchFriend** [CS14]. **Benchmark** [DL09, HC10, CMMW23, DHL16, NMI⁺19, PSV⁺16, PF16]. **Benchmarking** [BRT⁺92, HBC⁺08]. **Benchmarks** [BCK⁺89, Gus04, McN89, MSK92, SGFC09, WGI90, WOG95, WG07, BWB⁺10, CS14, BBB⁺91a]. **benefit** [WLFH16]. **Benefits** [ACM88]. **Beowulf** [SS99]. **Bergen** [Gaf88]. **Best** [BPBL11, Lee03]. **better** [DCD⁺13, GGO16, SZ11, TGP19]. **between** [CSC24, SKS⁺13]. **Beyond** [Hab90, Mar89b, SBF90, SPHW18, INY⁺14]. **bi** [IGA24]. **bi-conjugate** [IGA24]. **Big** [AMB⁺18, YIN⁺11, CCBL18, Akb24]. **Biggest** [Ste09a]. **Bill** [Bus87]. **billions** [HLH⁺19]. **Binary** [DIB00, LK01]. **Biofluid** [RKKC90]. **Bioinformatic** [GHM⁺10]. **Bioinformatics** [TXD⁺07, Cec20, MCR⁺17]. **Biological** [FFR⁺10, WW92]. **Biology** [SSNM92, VRRL18]. **Biomedical** [KHK⁺09]. **Biomembranes** [SABK94]. **Black** [UBK⁺23, SK20]. **Black-box** [UBK⁺23, SK20]. **blade** [KBY⁺19]. **blade-resolved** [KBY⁺19]. **Blas** [Ano02k, Ano02b, Ano02a, BG11, DD89, DD91, RSCC⁺24, Ano02h]. **Blast**

[Don02a, Don02b]. **Block** [Arn07, BS88, ZMG⁺21, DEKV92, GDM⁺23, MC21, RV15]. **Block-Sorting** [Arn07]. **Block-structured** [ZMG⁺21, GDM⁺23, RV15]. **Blocked** [BELF07, LSLR⁺20]. **Blocks** [HC08]. **Bloom** [LGDH16]. **Blue** [GNB11, KMH⁺14, MAB⁺13, SSU⁺12, YIN⁺11]. **BlueGene** [dSSB⁺08]. **BlueGene/L** [dSSB⁺08]. **Board** [SPTT08]. **BOAST** [VPG⁺18]. **Body** [HJ96, Nak99, RTRG⁺07, SWW94, TMWS91, DAB⁺12, FT19, INS⁺20, VIKM⁺22]. **Boltzmann** [SBBS06, CGST19, HBKR21, Mon12, OKTR11, RWM17, WKLW21, YZZW21]. **bond** [THDS19]. **bond-order** [THDS19]. **Bone** [HOPB92]. **Book** [Bus87, Con88, Don87, Mar87a, Mar87b, Mar88a, McR87, Nag89]. **Boundary** [uITH07, SG91, Ade21, KSF22]. **Boundary-Value** [uITH07]. **box** [SK20, UBK⁺23]. **BPEL** [MWM⁺08]. **Breaking** [SKE⁺23]. **brick** [LPB⁺16]. **Bridging** [SS99]. **Brink** [Spr06]. **broad** [Rad18]. **broad-area** [Rad18]. **Broadcast** [BJ92, YSP⁺05]. **Brownian** [NSI20]. **brownout** [PMP⁺20]. **BSC** [LAV09]. **BSP** [dAVCM⁺19]. **BSP/CGM** [dAVCM⁺19]. **budget** [CCRV20]. **buffer** [LBB17]. **Build** [CD06]. **Builder** [DL97]. **Building** [CDH⁺97b, FD04, LJO05, SKZ⁺18, SW04, Wit92, vLRA⁺03]. **Bulk** [DGP⁺97, MAJJS03, Jon12, WDW⁺12]. **bundle** [WVL⁺16]. **Butterfly** [Kum89]. **Buzbee** [Bus87]. **Byte** [WG07].

C [Ano02i, Ano02j, dRADS⁺18b, BLC17, CMMW23, LJC⁺10, LNK22, MYG23, Poz97, TDM⁺17]. **C-grid** [MYG23]. **C90** [ABF⁺99]. **Cache** [BMWD87, BH06, GHM⁺10, MK24, SC04a, Wad99, ABD⁺18, ABG⁺19, CHT⁺19]. **Cache-Coherent** [Wad99]. **Cache-Efficient** [SC04a]. **cache-oblivious** [CHT⁺19]. **Cache-optimized** [MK24]. **cache-partitioned** [ABD⁺18, ABG⁺19]. **caches** [CSC19]. **Caching** [kLCCW07]. **Cactus** [AAF⁺01]. **Caffe** [MPB⁺22]. **calcium** [CHW⁺15]. **Calculation** [ACG⁺90, BGK⁺90, TMWS91, HIT⁺14]. **Calculational** [ZOF90]. **Calculations** [CDD⁺90, Gen88, Liu90, TMW⁺99, YCHH90, ZK93, CLM⁺16, HTD⁺14, LD24, QSX⁺20, SDI⁺19, TSKS88]. **Calibrating** [ABH⁺18]. **Call** [DBA⁺09]. **Caltech** [Din91]. **Caltech/JPL** [Din91]. **CAM** [TD08, DEE⁺12, LMT⁺12]. **Campus** [GNTLH97]. **Campus-Wide** [GNTLH97]. **Can** [Pan97, VFJ⁺15]. **Canada** [Nun87]. **Cancers** [GKB93]. **Candidate** [MCS⁺06]. **Cane** [YWL⁺14]. **capabilities** [IMS16]. **Capability** [GS09, BBH⁺13, CYZ⁺20, DVW⁺12]. **capable** [RWM17]. **Capacity** [BL99]. **Carcinogens** [HB90]. **cardiac** [BSW⁺14]. **Cards** [Gro03]. **Carlo** [BEH⁺90, CH94, DFT⁺15, FSS13, LM03, LPB⁺16, MWAR⁺87, MB87, MFP⁺17, SABD13, SSSW91, SSR⁺14, VSS⁺13, ZK93]. **Carolina** [LC90]. **Case** [BF01, BDFVP15, CBW95, CDH⁺97b, GLGLB⁺11, GL97, HL10, HE01, HLP⁺03, MT89, PPK⁺04, SG09a, WGI90, WLB92, WW92, BSW⁺14, CGGC⁺16, CMS⁺11, DTL19, GGMJF⁺20, IGA24, IMB⁺19, MBvdG13, MCR⁺17, OF17, TKA⁺17, THC⁺11, WZH⁺20, YWL⁺14]. **cases** [CDL⁺19]. **cat** [YIME19]. **cat-scale** [YIME19]. **CBVE** [WVLV⁺96]. **CCDSC** [DT13]. **CCGSC** [DT11]. **CCSM4** [CVJ12]. **CEBAF** [DZDR95]. **Cell** [EGG05, WET⁺19, BPBL11]. **Cell/B.E.** [BPBL11]. **cells** [RPdB⁺19]. **Cellular** [AKP08, BCZM07, MHS11, GDS17]. **Center** [AAB⁺21c, All88, lSD89, Mer87, RS88, MP95, OLOF23, Aus92, ABB⁺94, BBW90, DGH⁺93, KT94, LC90, Mai87, Mir90, Nas92, Sci92, TR92]. **Centers**

[All88, Aus92, BBB⁺91b, Bra91, BBW90, GS09, KT94, Nas92, TR92, Web91]. **Centre** [Gaf88, MHW15]. **Centric** [SR05]. **Century** [BHdR09]. **cerebellum** [YIME19]. **CERFACS** [ISD89]. **CESM1** [CVJ12, CMHB15]. **CFD** [GKMT00, IGBBR23, KDL01, LDGR03, MAF⁺22, RHK21, WZH⁺20, WKLW19]. **CFD-DEM** [MAF⁺22]. **CFDShip** [BCYS11]. **CFDShip-Iowa** [BCYS11]. **CGM** [CDT05, dAVCM⁺19]. **CGMGRAPH** [CDT05]. **CGMGRAPH/CGMLIB** [CDT05]. **CGMLIB** [CDT05]. **CGNR** [Man97]. **chain** [DSH⁺16]. **Challenge** [BEH⁺90, CBB⁺96, DSD⁺91, GD09, IKY⁺10, Kit90, RAGW93, SGFC09, NMI⁺19, RAB⁺15]. **Challenges** [Cap09, GL09, Her09, KMW⁺13, VFJ⁺15, GR17, WD19, WD24]. **change** [ZCZ⁺13]. **Changing** [MMS88]. **Chapel** [CCZ07, CH13, DZ07]. **Characteristics** [McR87, LWT⁺11]. **Characterization** [Kal09a, LPJ98, TMMR10, WDW⁺12, Har11]. **Characterization/Segmentation** [Kal09a]. **Characterizations** [JPV23]. **Chaste** [BSW⁺14]. **checker** [TDG⁺19]. **Checkpoint** [CY08, SSB⁺05, BRR17, IFA15]. **Checkpoint/Restart** [SSB⁺05]. **checkpoint/verification** [BRR17]. **Checkpointing** [GNB11, SSB⁺05, HLC⁺19, KHS⁺19]. **Chemical** [ARR99, Bro88, DFC90, Koi90, Mar88a, MMS88, TWK87, YZZW21]. **chemical-potential** [YZZW21]. **Chemically** [LP10, MYC92]. **ChemIO** [NFK98]. **Chemistry** [ATD⁺88, Bro88, EDS95, Mar88a, NFK98, TMW⁺99]. **Chesapeake** [WLVL⁺96]. **chimera** [HLZ⁺20]. **China** [CYZ⁺20, SKC10]. **chip** [KDH18, VEMR17]. **chips** [LTPK17]. **Cholesky** [CDL20, Jea13]. **Chroma** [JC12]. **Chromodynamics** [Liu90]. **CICE** [CMHB15]. **Circular** [AEPR92]. **Circulation** [KM95, PLS05]. **CLAS** [DZDR95]. **Class** [McN89]. **Classification** [Tho90, WEPB12]. **Client** [kLCCW07]. **Client-Side** [kLCCW07]. **Climate** [CJK⁺05, DJC05, GS05, JLO05, WOS08, WHL03, Ano22a, BBA⁺21, NBE⁺22, WDH⁺15, YWL⁺14]. **Climatic** [WBM90]. **clones** [CSC24]. **Cloud** [LJC⁺10, AGK⁺23, Ano22a, BTRZ⁺19, LNK22, MCR⁺17, NBE⁺22, TR17, TPG⁺18]. **cloud-based** [TPG⁺18]. **Clouds** [Dee10, DT11, DT17, Tho90, DT19, DT23, MGB12, MRD⁺15]. **Club** [BCK⁺89]. **Cluster** [BFNV07, CK01, DMT01, Fra05, GSHL03, JSSZ09, KT99, LWL05, WG07, BHZ⁺23, GDKWS15, MHS11, NOM⁺19, WZHG17, JDD18]. **Clustering** [NRR97, DSH⁺16, ZWS21]. **Clusters** [AWS01, BG09, CDT05, CAK⁺07, CWG09, CDCV06, DT99, DT11, DT17, Gir02, KS05, LDB⁺06, MWC⁺05, PPK⁺04, PC08a, SG09a, Ste01, YB07, AGK⁺23, CvG11, DTDP14, DT19, DT23, EEL15, HLS⁺17, JRT16, JC12, MBC⁺18, MGFP20, Pap11, PFGDM20]. **CM** [CC95, KJH96]. **CM-2** [CC95]. **CM-5** [KJH96]. **CM-5/SE** [KJH96]. **CM2** [CH94]. **CMP** [ABG⁺19]. **Co** [ABD⁺18, ABG⁺19, FAB⁺21, GD09, Ger21, Mat03, BPR18, Jon12, UCZ⁺15, AAB⁺21c]. **Co-Design** [GD09, FAB⁺21, Ger21, UCZ⁺15, AAB⁺21c]. **Co-reservation** [Mat03]. **Co-scheduling** [ABD⁺18, ABG⁺19, Mat03, BPR18, Jon12]. **Coarse** [BGB⁺96, DZRS99]. **Coarse-Grained** [BGB⁺96, DZRS99]. **Coastal** [Cow08]. **coaxial** [PLJD24]. **Code** [AD89, AJL⁺97, BBA87, BH00, CK01, CEL⁺97, Del93, DZDR95, HL10, HE01, LWL05, MMD98, MS02, MT89, MBF⁺11, MSK92, PPR03, Pla09, WZH⁺20, YW93, BSH⁺16, DWT⁺19, DAC⁺14, FU12, HIT⁺14, HBKR21, INY⁺14, JKD⁺11, MBvdG13, MGS⁺15, PHF21, RHK21,

SSR⁺14, TRS13, TGP19, VRB⁺19]. **Codes** [AS00, BGB⁺18, CL95, DL97, IHMM87, MCW⁺00, Reu92, SWW94, ESD⁺22]. **codesign** [VDF⁺23]. **coexistence** [CBA⁺18]. **Coherent** [Wad99, PS12]. **Collaboration** [SG09b]. **Collaborative** [DFH⁺96, HBSP08, NBB⁺96]. **Collaboratory** [YFH⁺96]. **Collapse** [Gun00, HTSK90]. **Collection** [DT06]. **Collections** [HLP⁺03]. **Collective** [BMR06, FCLG07, KFM⁺10, LCZ⁺15, TRG05, VFD04, KMH⁺14, SCB14]. **collectives** [DJJ⁺19, WLFH16]. **Collide** [NBB⁺96]. **collision** [VOL⁺14]. **Color** [IMH⁺11, IMH⁺12, Tho90]. **Color/Albedo** [Tho90]. **Columbia** [MAB07, HBC⁺08]. **combatant** [BCYS11]. **combination** [ASHH16]. **combinatorial** [AAB⁺21b, BG11]. **Combined** [YK04, BLOR18]. **Combining** [Gir02, LSLD23, Mon12, SCB14]. **Coming** [de 89]. **commercial** [MRD⁺15]. **Commercialization** [SG09b]. **Common** [ZM07]. **Communication** [BCG⁺10, BYCB05, BKS⁺07, BBDR95, FIMU19, HC10, INY⁺14, JLO05, LR09, LRO10, LRT07, NTKP06, PLS05, QH08, RW03, SWHP05, TRG05, TGT05, BGO20, BBH⁺13, CSC19, DGB⁺14, IYK16, NOM⁺19, OGM⁺16, RWM17]. **Communication-overlap** [INY⁺14]. **Communication/Computation** [BBDR95]. **Communications** [Ano87e, BMR06, Bus87, VFD04, SCB14]. **Communicators** [GFD05]. **Community** [DBA⁺09, HBSM03, CJK⁺05, DVW⁺12, DEE⁺12, DJC05, ESW⁺12, HVKW05, JLO05, MS05, MW12, TD08, WD05]. **Comparative** [MOK00]. **Comparing** [BF01, KdOCR⁺20]. **Comparison** [BSK14, BBT23, CAK⁺07, Gen88, HC10, Jon92, KM95, Mat95, SR98, MYG23, SFLC18, WKLW21]. **Comparisons** [Ma00]. **Compensation** [MSMW07]. **CoMPI** [FSC⁺11]. **Compilation** [BJK07, CW05, PG18]. **Compiler** [CW05]. **Compilers** [Ano01a, YHG⁺07]. **Complete** [LK01]. **completely** [PH19]. **Completion** [CY08]. **Complex** [ASHH16, Dar99, GKB93, GHZ10, PK04, CSGM17, EHTW21, LNR⁺24, WKLW19]. **complex-entry** [CSGM17]. **complexes** [HLK⁺23]. **Complexity** [BMR06, BGB⁺96, DF08, Spr06, BRGR11]. **Component** [BAA⁺06, DF08, KBA00, KFM⁺10, MGB12, PGTS10, PPR03, SVN09]. **Component-Based** [PGTS10, MGB12]. **Components** [CTD⁺05, WSD⁺14]. **Composing** [HGWN14]. **composite** [NMAE13]. **composites** [LPB⁺16]. **Composition** [Cot04, DLB07]. **Compositional** [AWS01, BBD00, KR94, KR95]. **Compounds** [FWZ91]. **Compressed** [AAG⁺23]. **compressible** [HHSM19, dFRD⁺23]. **Compression** [Arn07, DLY⁺98, DF08, FSC⁺11, CGGC⁺16, CCO⁺19, CDL⁺19, HLRK24, IFA15, KV19, Ozs16, PDDI22, TDG⁺19, UBK⁺23]. **Compressors** [GMWG10, YK07]. **Compromised** [LJC⁺10]. **Compromised-Time-Cost** [LJC⁺10]. **COMPSs** [CCBL18]. **Comput** [Ano24]. **Computation** [BBDR95, CBW95, Chu99, ISD89, GWKN08, Her88, HS93, JP93, Nag89, SSNM92, Ste09a, Ste09b, Tis97, WSCZ05, SVBP13, WEPB12, ABB⁺94, KT94, TR92]. **Computational** [Blo87, CD97, Cha88, CDH⁺97b, DVW⁺12, DFMD94, DGJ09, DT99, DGH⁺93, Duk91, EGMP93, FBW⁺87, Gen88, HBSM03, HOPB92, HL10, JL89, NFK98, Num04, PK04, PBE⁺19, RBMF87, SK90, SG07, SBWS99, SW04, TMW⁺99, VR00, Wit92, WPBB01, YM91, YK07, Ytt97, AFL⁺18, BSW⁺14, CGGC⁺16, CBA⁺18, DCK⁺23, DTL19, JKBW18, PDDI22, TBA⁺17, VRRL18].

Computations

[BBR10, Ber92, Duk91, MA15, MCG04, SD87, ALE⁺20, Ano24, BCYS11, BCLP17, DKMT18, HDL⁺15, MK24]. **compute** [KL13]. **Computer** [BEF⁺95, Bus87, CKE08, Cla91, Don89, GL09, HKK88, HD05, JL89, KT99, MM90, PS87, TWK87, VC89, WBM90, AHB⁺16, BAM⁺16, BE17, HIT⁺14, HLS⁺17, INY⁺14, KMM16, Kum89, MBHF15, PNFC16, TAM⁺16]. **Computer-Aided** [MM90]. **Computers** [Ano87f, BOD⁺91, BBA87, BH99, CDH⁺93, CDP⁺94, EDS95, FG97, FFNP97, GP93, Gun00, IS96, Jon92, Meu88, CGST19, FAB⁺21]. **Computing** [ATN⁺00, Ano87a, Ano87d, Ano94c, Ano95b, Ano98b, Ano98a, Ano99, Ano00, Ano01b, Aus92, BV11, BM12, BM13, BGI⁺99, BQOS21, BAA⁺06, BBT23, BRT⁺92, Bus87, CWH99, DF18, Dar00, Dem90, Don89, DT99, DMT01, DT11, DT17, DCL⁺08, Ede98, EDSV06, EW06, EW22, ESD⁺22, Ewi88, Eyr06, FGC⁺05, FGJ⁺04, Gaf88, GHM⁺10, Ger21, GMWG10, GNTLH97, GL97, HME90, Her09, JLL04, JSSZ09, Joh01, KDH11, Kep04a, KT99, Kuc04, KHK⁺09, KS05, LS90, LJC⁺10, LD07, MPS15, Mah90, MYCR06, Mar87a, Mat95, ME14, PPK09, PA11, Rao02, RAGW93, Sab91, Sal87, SKB01, Ste01, Ste04, SFP02, SKC10, THDC09, Wal03, YBA⁺03, ABH⁺18, AFGQO19, AMB⁺18, ARPY19, BHZ⁺23, Bai20, BE17, BTRZ⁺19, BBA⁺21, BLOR18, BAP⁺12, CSS24, CGW19, Cec20, DTDP14, DHL16, DT19, DT23, DAC⁺14]. **computing** [ECG⁺13, EDB19, EB23, EKD⁺12, Fem90, FKA⁺17, GR17, GSND20, Har11, HLRK24, IYK16, IFA15, JdSA⁺17, KT94, LDLD19, LBB17, MEK⁺19, MDW⁺23, MFB⁺19, MCU⁺13, MBF⁺21, PPC⁺16, RRJ⁺20, SWA⁺14, STS17, TNLP13, VSHN14, WZHG17, WD19, WD24, ZKRA14, Lee03, Ano94a, Ano95a, Ano96a, Ano97b, Ano97c, Ano97a]. **Computing-**

[Ano94c, Ano95b]. **Computing/Numerical** [THDC09]. **concept** [RTRZ22]. **concurrency** [DGB⁺14]. **Concurrent** [AH93, BMWD87, Fro91, BRGR11]. **Conference** [Gaf88, OL05, KKDV03]. **Configuration** [AEPR92, LTPK17, LBB17]. **Configuring** [PPK⁺04]. **Confined** [ACG⁺90]. **Confinement** [BGB⁺18]. **Conjugate** [AH93, CSV91, MG87, DHL16, IVG⁺20, IGA24, KSM23, KMM16, PSV⁺16, PF16]. **conjugate-gradient** [DHL16]. **Connecting** [BKS⁺07]. **Connection** [Ano87d, Don87, BJ92, CC95, GKH⁺91, HZ91]. **Conquer** [Cza03]. **consensus** [KDNE18]. **conservation** [LH19]. **Consistent** [KS09a]. **Consortium** [GS09]. **Constant** [MP94]. **Constrained** [FSS13, LJC⁺10, NKR90, IK18]. **constraint** [DAB⁺12]. **constraint-based** [DAB⁺12]. **Constraints** [CY08, GSHL03, BLOR18, CCRV20, LCZ⁺15]. **construction** [PS12]. **consumption** [BDC21, BLOR18, CGGC⁺16]. **containers** [EB23]. **Contaminant** [ABF⁺99]. **content** [LFB⁺15, MRD⁺15]. **content-aware** [MRD⁺15]. **Context** [KDH11, QH08, YBA⁺03, CZR⁺11]. **Context-Aware** [YBA⁺03]. **context-based** [CZR⁺11]. **continuous** [AWWG19]. **continuum** [BTRZ⁺19]. **contrast** [RPdB⁺19]. **Contributors** [Ano91b, Ano91a, Ano92g, Ano96c, Ano96a, Ano97b, Ano97c, Ano98a]. **Control** [AK91, AK93, Dar00, DFH⁺96, VR00, HRW19, RRJ⁺20, WDW⁺12]. **Controlled** [DSD⁺91]. **Controllers** [MFOAGE18]. **controlling** [OF17]. **converge** [CCBL18]. **Convergence** [BBR10, DFS⁺05]. **convex** [SH93]. **Convolutional** [BDC21]. **Cooperative** [DBA⁺09, DCL⁺08, kLCCW07, IK18]. **Coordinate** [YRA⁺02]. **Coordinated** [FP02]. **coprocessor** [VEMR17].

coprocessors [HLS⁺17]. **Copy** [SWHP05]. **CORBA** [PPR03]. **Core** [Bri10, DFS⁺05, MS05, AKC⁺19, BBG⁺14, BH12, CAE⁺13, DEE⁺12, DDKK19, INS⁺20, KDH11, KILL13, LMT⁺12, LDW⁺12, LNSMMA15, MSPSI15, PSV⁺16, SSR⁺14, TKA⁺17, Udd17, VEMR17, VRB⁺19, VOL⁺14, YFS⁺14, GLZS14]. **cores** [DJJ⁺19, FU12, INY⁺14, LYL⁺16, LM23, OY22]. **Cornell** [Mer87]. **coronavirus** [TGS⁺22]. **coronavirus-2** [TGS⁺22]. **correction** [AG18, YFS⁺14]. **Correlating** [CS14]. **correlation** [CLG13, GHL15]. **Correspondence** [BH99, IS96, PTGB02, WLB92]. **Corrigendum** [Ano19, Ano20a, Ano20b, Ano22a]. **Cortical** [WW92]. **Coscheduling** [BL99, CAK⁺07]. **Cost** [LJC⁺10, PPK09, TR17]. **Cost-Constrained** [LJC⁺10]. **Coulomb** [DGD⁺04]. **Coupled** [HAF⁺96, IKY⁺10, JDD18, KT99, LJO05, PK04, BG22, KC18, NOM⁺19, SKP⁺22, YJZN22]. **Coupler** [CJK⁺05, CVJ12]. **Coupling** [HD05, JLO05, LJO05, MTW⁺22, PPR03, EW22]. **CoV** [BGB⁺22, CNW⁺23, DCK⁺23, ZBH⁺23, CDG⁺21]. **COVID** [dS21, ABL⁺22, JMM⁺21, LWL⁺23, OWC⁺21]. **COVID-19** [dS21, ABL⁺22, JMM⁺21, LWL⁺23, OWC⁺21]. **CPL6** [CJK⁺05]. **CPU** [BL99, BJWS20, GHL15, HTD⁺14, PFGDM20, SHK⁺18, TM23, VRB⁺19]. **CPU-GPU** [HTD⁺14, TM23]. **CPU-MIC** [SHK⁺18]. **CPUs** [HBKR21, KDH11, SFLC18, TKA⁺17]. **Crash** [HTSK90, CEL⁺97]. **Cray** [ABF⁺08, AEPR92, DD89, DD91, Del93, GCL93, LT88, Ma00, MYC92, MSK92, THL88, YW93, ABF⁺99, DH96, Lai93, McN89, SBBS06]. **Cray-1s** [McN89]. **CRAY-2** [DD89, DD91, GCL93]. **CRAY-T3E** [Ma00]. **CRE2017** [Mas19]. **CRE2019** [KM20]. **creation** [EB23, KILL13]. **Creutz** [BRT⁺92]. **Crisis** [BE07]. **Criteria** [BKRSR09]. **critical** [SDJ17]. **critical-path** [SDJ17]. **Cross** [PLS05, CLG13, LSLR⁺20, SK20, WVL⁺16]. **cross-bundle** [WVL⁺16]. **cross-correlation** [CLG13]. **cross-machine** [SK20]. **Cross-Platform** [PLS05]. **crowd** [VOL⁺14]. **CRPC** [CDP⁺94]. **crucial** [SZ11]. **Cryo** [TGS⁺22, SSCF19]. **Cryo-EM** [TGS⁺22, SSCF19]. **Crystal** [Cla91]. **crystalline** [HXW⁺13]. **crystallisation** [WSD⁺14]. **Crystallography** [CDH⁺93]. **CUBE** [JBOT19]. **CUDA** [DSH⁺16, GDKWS15, KKB⁺21, KNPS21, MV20, SDJ17, TM23, ZZG⁺14]. **CUDA-accelerated** [GDKWS15]. **CUDA-enabled** [DSH⁺16]. **CUDA/HIP** [TM23]. **CUMULVS** [GKP97, KWB06]. **Current** [Cap09, GFD05, GCSK13, LVA⁺13]. **cutting** [HLZ⁺20]. **CYBER** [ABAS87, McN89]. **cycle** [AHB⁺16]. **CYDRA** [HRM89]. **CYDRA-5** [HRM89]. **D** [KR94, KR95, SSCF19, VSS⁺13, AKW19, ARR99, ARPY19, BGM15, BG00, CSGM17, CM97, FIMU19, GGS01, HSLK11, KC18, PR95, THL88, Wal18]. **D-GM** [ARPY19]. **DAC** [Cza03]. **DAG** [TR17]. **DAG-based** [TR17]. **Daily** [Mar89b]. **DAME** [PG18]. **DAMPVM** [Cza03]. **DAMPVM/DAC** [Cza03]. **DARE** [CGT⁺18]. **Data** [ACF⁺11, AF09, Ano87e, BCG⁺10, BHK⁺88, BCM⁺03, BCH⁺23, BH06, CFK⁺94, CBW95, DP05, DH96, DZ07, DT17, DFT⁺15, Fei99, Fol90a, GMLP08, GG11, HJ96, JW06, Joh01, KUE⁺00, LR07, MAJJS03, RRV06, SS89, SS10, TLdS22, VS03, WHL03, ZRC⁺06, AKW19, APD⁺15, ATL⁺15, AMB⁺18, BTRZ⁺19, CDL⁺19, CCBL18, DBD⁺23, DCN17, DT19, DT23, EMP⁺18, FKA⁺17, FAB⁺21, FR22, FFZ⁺23, GKR⁺22, HLW⁺16, IGBBR23, KV19, KSM23, LD24, Lap22, LGDH16, LM23, MRD⁺15, OLOF23, OWC⁺21, Ozs16,

PDDI22, PB23, PH91, PBB⁺20, PG18, QAL⁺23, RWM17, STP⁺13, SZ11, TDG⁺19, TDM⁺17, UBK⁺23, WDH⁺15, Akb24]. **Data-driven** [BCH⁺23, TLdS22, BTRZ⁺19, IGBBR23, OWC⁺21]. **Data-Intensive** [GMLP08, KUE⁺00, ACF⁺11, FKA⁺17]. **Data-Parallel** [HJ96]. **Database** [MS09]. **Databases** [RGB⁺18]. **Dataflow** [ACM88, Sha88, JDD18, WZHG17]. **dataflow-based** [JDD18, WZHG17]. **Datagrid** [PHB04]. **Datasets** [SE92, ZM07, GVR⁺21]. **Datatype** [SWHP05]. **Davidson** [UF89]. **deadline** [CCRV20]. **Deadlock** [LBB17]. **Dealing** [GSHL03]. **Debuggers** [Ano01a]. **Decision** [GWKN08, BCH⁺23, JCK21]. **Decision-Making** [GWKN08]. **Decomposition** [BLRR01, Cha88, GCD97, Meu88, NK89, DFT⁺15, IKMS⁺19, KLR⁺21, Lai93, YZC⁺15]. **Decoupled** [PH91]. **Dedicated** [CAK⁺07, GSHL03, DJJ⁺19]. **deduplication** [LD24]. **Deep** [VDF⁺23, BHZ⁺23, CHT⁺19, JMM⁺21, LSLD23, VRB⁺19]. **defined** [ADMP18, AGK⁺23, JDAD19]. **Defining** [KKS04]. **deformable** [SE12]. **degrees** [TAM⁺16]. **degrees-of-freedom** [TAM⁺16]. **Delay** [Rao02]. **delta** [DCK⁺23]. **Demand** [EW06, dPIa03]. **Demystifying** [TNCC21]. **Dense** [Ano02k, BGG05, BDL⁺07, Ede93, LRLG19, MY24, MBvdG13, SCR11, TQOA23]. **density** [HBKR21, LNSMMA15, QSX⁺20]. **density-functional** [QSX⁺20]. **Department** [Kit90]. **dependencies** [ELEB21]. **Dependent** [MBF⁺11]. **Deployable** [GCL93]. **Deploying** [CdVL⁺18]. **Deployment** [CDCV06, GCL93, GMLP08]. **deposited** [GSK⁺15]. **Deposition** [MD99]. **depth** [JDAD19]. **derivatives** [Haj93]. **Derived** [SWHP05, MDH⁺18]. **deriving** [IGDQO19, MBvdG13]. **describing** [ABH⁺18]. **Design** [AEG⁺03, BGI⁺99, BBH⁺13, BBMB19, BRM03, BH06, CE00, CLP⁺99, CTD⁺05, Dar00, DZRS99, DFH⁺96, DJC05, EGMP93, FGC⁺05, GJMS88, GCCC⁺03, GHM⁺10, GD09, KS09b, PPK09, SD87, AAA⁺22, BG11, DTL19, FAB⁺21, Ger21, JMM⁺21, UZM⁺14, UCZ⁺15, AAB⁺21c, Mar87a]. **Designing** [RWM17, SWHP05, SKS⁺13, ZWS21]. **Desmos** [SDI⁺19]. **Detailed** [EDS95, SBBS06, CHWS20]. **Detecting** [CSC24, JRP⁺23]. **Detection** [CBL10, YZC⁺15, AG18, BSS15, HGMW12, KDNE18, VOL⁺14, WLG⁺18, ZCZ⁺13]. **Detector** [DZDR95, Ano19, BBG⁺18]. **Determination** [BHK⁺88, CSY10]. **Determined** [CGB⁺94]. **Deterministic** [DR06, DMSMG18, MV20, SLL⁺19]. **DEUS** [RAB⁺15]. **developed** [CVJ12]. **Developing** [THDC09, PPC⁺16]. **Development** [Ano01a, BLU⁺22, BCC⁺01, BBD00, Dar99, GKR⁺22, HL00, HRM89, Kal09a, LC90, LD07, MM90, MS19, PPS09, Eri88]. **Development/Tuning** [Kal09a]. **Developments** [YSS⁺06]. **device** [Lai93, OF17, SKP⁺22]. **Devices** [PHC⁺10, RKKC90, Rad18]. **DG** [MV20]. **DG-MOSFETs** [MV20]. **DGEMM** [OOY24]. **diagnosis** [DCM⁺17]. **diagonal** [YLL⁺14]. **Diagrams** [FWZ91]. **Dialogue** [LS06]. **Diego** [Mai87]. **Dielectric** [ZOF90]. **Diet** [CD06]. **Difference** [CC95, THL88, EKF⁺19, WKLW21]. **different** [LWT⁺11]. **Differential** [Key09, Meu88, KS89, RMS⁺18]. **differentiation** [HHSM19]. **diffraction** [EEL15]. **Diffusion** [BFNV07, EDS95, SG91, TWK87, BG22, LMT⁺12]. **Diffusion-Limited** [TWK87]. **diffusion/filtering** [LMT⁺12]. **Digital** [ABL⁺22, MPG93, YFH⁺96, GHL15]. **dilation** [LST15]. **Dimensional** [BCZM07,

CSY10, EGG05, LT90, MT89, BE17, KS89, KRR19, LSS93, PLJD24, YFS⁺14].

Dimensionality [BFL99]. **Dimensions** [TWK87]. **Dip** [LT90]. **Dipole** [DGJ09]. **Dirac** [PHF21]. **Direct** [Bri10, CM97, HVWS09, HVSW09, LWL05, KMJ⁺23]. **Direction** [Mah90]. **Directionally** [SZC12]. **Directions** [Fol90a, PBB⁺20]. **Discharge** [YW93]. **discontinuous** [AWWG19, MSP⁺24]. **Discovery** [AEG⁺03, AAF⁺01, ASAK19, GVR⁺21, LWL⁺23, PBB⁺20, AEG⁺03]. **Discrete** [DGJ09, Ham91, DMSG18, Mon12]. **discretizations** [KFM⁺21, LH19, PKC23]. **discriminating** [SKS⁺13]. **disembarking** [GDS17]. **Disk** [KNP⁺87]. **Dislocation** [HSLK11]. **Disordered** [KVY⁺90]. **dispel4py** [FKA⁺17]. **Dispelling** [Ano87c]. **Dissemination** [GL97]. **Dissolution** [Cla91]. **Distance** [HME90, KR11]. **Distances** [KTWL18]. **Distributed** [AKP08, AF09, BGG05, BFL99, BGF02, CWHP99, CYT⁺02, CLF87, CB95, Dee10, DFMD94, DCCS10, EDSV06, GKN⁺96, GGS01, Gir02, HC10, HD05, HdV18, JMP02, KT99, LWOB97, MYCR06, MWAR⁺87, Mat95, MCW⁺00, Nag89, NKP⁺00, OMD523, QWIC02, Rao02, RBMF87, SWG⁺03, SPNB14, YTYD19, YRA⁺02, ZRÇ⁺06, dPiDA03, ABH⁺18, CBD⁺17, EDB19, GEKO19, IGBBR23, JRT16, JO92, RCAE⁺20, THDS19, VMPW20].

Distributed-Memory [MCW⁺00, YTYD19]. **Distributing** [CBSB01]. **Distribution** [TCW06, TC10, QSX⁺20]. **Distributions** [DZ07]. **diverse** [AGK⁺23, PBB⁺20]. **Divide** [Cza03]. **Divide-and-Conquer** [Cza03]. **dividends** [DTL19]. **Divisible** [DLG06, MYCR06]. **Division** [Bus87, Don89]. **DNA** [DTDP14, GPO⁺20, HB90, MP18, PRT90]. **Docking** [GHM⁺10]. **DOE** [HBSM03]. **Domain** [Cha88, CDH⁺97b, GCD97, Lai93, Meu88, WCDS99, CSGM17, IKMS⁺19, KLR⁺21, PHF21, YJZN22].

Domain-Specific [CDH⁺97b, PHF21]. **Donation** [TCW06]. **Donation-Based** [TCW06]. **Dong** [Ano24]. **Dongarra** [Ano24]. **Double** [PRT90]. **Drift** [BFNV07]. **Drift-Diffusion** [BFNV07]. **Drive** [HE01, PPS09]. **Driven** [CHZ02, DCL⁺08, YB07, BTRZ⁺19, BCH⁺23, CDG⁺21, DAB⁺12, IGBBR23, OWC⁺21, TLdS22, TGS⁺22]. **droplet** [ABL⁺22]. **droplet/aerosol** [ABL⁺22]. **drug** [GVR⁺21, JMM⁺21, LWL⁺23, MSPSI15]. **Dual** [BBC⁺00, FT19, Ish91]. **Dual-Level** [BBC⁺00]. **Dumont** [BCP⁺20]. **Duration** [CY08]. **DV** [TKSK88]. **DV-X** [TKSK88]. **Dynamic** [AAF⁺01, ABAS87, BCM⁺03, BG00, CY08, DLY⁺98, DFMD94, GFD05, HWP03, IMB⁺19, MÁAC⁺24, SCB⁺95, SVN09, TM99, FFZ⁺23, LGDH16, MJD16, PMP⁺20, SCB14]. **Dynamical** [DFS⁺05, FBW⁺87, HT04b, MS05, SWW94, DEE⁺12, DDKK19, LMT⁺12]. **Dynamics** [ACD07, BMT89, CGB⁺94, Cha88, CWG09, DQFW90, DGD⁺04, Gen88, Gun00, HL10, HSLK11, JL89, KVY⁺90, MP94, Nak99, NHG⁺96, PRT90, RBMF87, SK90, ABH⁺18, AKC⁺19, AKW19, BHZ⁺23, CDG⁺21, CHW⁺15, HXW⁺13, KFJ20, KKL⁺19, KNPS21, PDDI22, PGK⁺24, PIR⁺20, SKE⁺23, SDI⁺19, ZBH⁺23].

E-Science [HWP03, HT04a]. **E3SM** [LNK22]. **E3SM-MMF** [LNK22]. **eager** [ELEB21]. **eager-release** [ELEB21]. **Early** [GKN⁺96, GNTLH97, HGD91, Kal09a, SLG95]. **Earth** [DVW⁺12, ESW⁺12, MEK⁺19, CTD⁺05, CVJ12, DEL⁺12, IKY⁺10]. **earthquake** [AHB⁺16, CMS⁺11, MTW⁺22, BAM⁺16]. **earthquake-cycle** [AHB⁺16]. **ease** [MFOAGE18]. **EC2** [Pap11]. **ECG** [Arn07]. **ECJ** [CdVL⁺18]. **Ecological** [WBG06].

Econometric [ABAS87, GP93, PS87].
Economic [BE07, LC90, NKR90, SG07].
Economic-Based [SG07]. **Economics** [AK91]. **Ecosystem** [WBG06, AFGQO19].
Eddy [CK01]. **edge** [BTRZ⁺19, CSGM17, Rad18].
edge-emitting [Rad18]. **edge-FEA** [CSGM17]. **edge-to-cloud** [BTRZ⁺19].
editor [DT18, DT19, WD21, DT17, WD18, WD19, WD24, dA03]. **Editorial** [Cho23, CDH⁺97a, Don92, DT09, Mar92, Mar94, Wit92]. **editors** [DT23, BM13, Cec20]. **Education** [Mah90, Sab91, KT94]. **Effect** [SKSG19].
Effective [BCK⁺89, Pan97, LWL⁺23].
effectiveness [TR17]. **Effects** [WBM90, Ha93]. **Efficacy** [GWKN08].
Efficiency [ABAS87, DFS⁺05, GHM⁺10, ATD17, ECG⁺13, JdSA⁺17, KLR⁺21, MJD16, SFLC18, UZM⁺14]. **Efficient** [ACG⁺90, AEPR92, BRR17, CDG⁺14, DAD⁺22, DMT97, GMLP08, HF24, HS93, KFJ20, KC92a, KC92b, KKL⁺19, KFM⁺21, KUE⁺00, LRO9, LRO10, LP10, MG87, MFP⁺17, OWO98, SC04a, TD08, YZZW21, BBMB19, DBD⁺23, HBKR21, KV19, KKB⁺21, LNSMMA15, MMDA19, Ozs16, RMV⁺19, SDI⁺19, TKA⁺17, Wal18].
EFFIS [SKP⁺22]. **eigensolver** [HTD⁺14, VIKM⁺22]. **Eigenvalue** [HS93, Tis97, UF89]. **Eigenvalues** [KC92a, KC92b]. **ELAPS** [PB19]. **Elastic** [ACD07, FR22]. **electrodynamics** [YJZN22].
electrodynamics-micromagnetics [YJZN22]. **Electromagnetic** [DGP⁺97, CMN12]. **electromagnetics** [CSGM17, OGM⁺16]. **Electromagnetism** [BGG05]. **Electron** [FFR⁺10, KVV⁺90].
Electronic [FWZ91, TMW⁺99, HTD⁺14, HIT⁺14, PHF21, SKE⁺23].
electrophysiology [BSW⁺14].
Electroweak [BGK⁺90]. **Element** [AJL⁺97, BBA87, DFS⁺05, EGG05, FSN08, GCD97, KM95, MMD98, MS02, THC⁺96, de 89, Ade21, AFL⁺18, BSW⁺14, DWT⁺19, DEE⁺12, EAG⁺19, KFM⁺21, KSM23, MGS⁺15, MSP⁺24, Mon12, PKC23, PH19, RTRZ22, SMK⁺20, ŚCKW19, VSW⁺22, WZH⁺20]. **elements** [ZB20]. **Eliminating** [HME90]. **embedded** [KPR17, KK01]. **Embedded/** [KK01]. **EMD** [LSES20]. **EMD/HHT** [LSES20]. **emergency** [GDS17]. **emerging** [AAT⁺20, HFV⁺12, IMH⁺11, IMH⁺12, WD19]. **emission** [VBVD22]. **emitting** [Rad18]. **Empirical** [VDB04, CBM13]. **Employing** [GVF⁺18].
emulation [BAP⁺12, LST15]. **Enabled** [CD06, CD97, CBB⁺04, DD06, MWM⁺08, Ano22a, DSH⁺16, DCK⁺23, LDLD19, NBE⁺22]. **Enabling** [AGR⁺03, BTRZ⁺19, DBD⁺23, DGB⁺14, FKT01, JMM⁺21, MBF⁺21, PB23, PBB⁺20, Ste09b, SKP⁺22, AAB⁺21b]. **Encoder** [BKRSR09]. **Encoding** [DLY⁺98].
encryption [KV19, Lap22]. **End** [BV11, GHM⁺10, LD07, NKiN⁺08, PA11, PKC23, Rao02, SC09]. **End-To-End** [GHM⁺10, Rao02, SC09, PKC23].
Endangered [BB02]. **Endmember** [HC08]. **endpoints** [DGB⁺14]. **energetic** [GSK⁺15].
energies [PUR94]. **Energy** [BEH⁺90, ECG⁺13, HTSK90, IHMM87, KLR⁺21, LTPK17, LWT⁺11, Mir90, SGFC09, YCHH90, ZOF90, ATD17, BDC21, BRGR11, BLOR18, BBMB19, CHT⁺19, EJD⁺19, JdSA⁺17, LWL⁺23, LRLG19, MBT⁺24, SKSG19, Kit90]. **energy-efficient** [BBMB19]. **Energy-optimal** [LTPK17].
energy-saving [SKSG19]. **Engine** [DCL⁺08, HBSP08, WZHG17, SS10].
Engine-Driven [DCL⁺08]. **Engineering** [Bro88, Dar00, DW97, Joh01, MMS88, Nas92, PK04, ADMP18, EHTW21, LSLD23, VMPW20, WH20, Mar88a]. **Enhance** [WVL⁺16]. **Enhanced** [BPK⁺07].
Enhancement [AAC⁺97, WT99].
Enhancements [BDG⁺95]. **Enhancing**

[FSC⁺11, HLW⁺16, KSM23, VIKM⁺22, Akb24]. **Ensemble** [BBR10, FR22, PB23, VSS⁺13]. **ensemble-based** [FR22]. **Entity** [BGF02]. **Entropy** [CBW95]. **entry** [CSGM17]. **Environment** [AAF⁺01, CCH⁺88, DD91, DL97, DLB07, GL97, MM90, dPIaA03, ABH⁺18, ASAK19, ARPY19, KKL⁺19, LSS93, WLVL⁺96]. **Environmental** [DLY⁺98, TMMR10, OLOF23]. **Environments** [Ano01a, CWHP99, CDH⁺97b, DD06, Dee10, DFH⁺96, DCL⁺08, Eyr06, FSS13, Gan88, HBSP08, Mat95, MA89, RIF01, THC⁺96, WvNM⁺06, ADMP18, CCBS11, HI12, HI13, IVG⁺20, IH15, NC18]. **Epidemic** [KDNE18]. **epidemiological** [BEW16]. **Epiphany** [VEMR17]. **epistasis** [WLG⁺18]. **epistatic** [PFGDM20]. **EQSIM** [MTW⁺22]. **Equation** [BFL99, BEF⁺95, Fro91, IKY⁺10, Key09, ALE⁺20, EKF⁺19, KRR19]. **Equation-Based** [Key09]. **Equations** [Meu88, SBF90, SMW87, KS89, RMS⁺18, ZZG⁺14]. **Equilibration** [NKR90]. **Equilibrium** [JP93, NK89]. **equipped** [EM23]. **equivalent** [GKR⁺22]. **Era** [BM13, ME14, WD21, BM12, Con88]. **Erratum** [KR95]. **error** [BSS15]. **Errors** [FCLG07, LFB⁺15, SLL⁺19, YZC⁺15]. **Estimates** [LS06, McN89]. **estimating** [BDC21]. **Estimation** [LR09, LRO10, BE17, LNSMMA15, SH93]. **ETA** [DD89]. **ETA-10P** [DD89]. **Ethylene** [DVC88]. **Euler** [ZB20]. **Eulerian** [INY⁺14]. **European** [ISD89, MHW15, PHB04]. **EUROPVM** [OL05]. **EUROPVM/MPI** [OL05]. **EuroPVMMPI** [KKDV03]. **EV7** [KHP⁺04]. **evacuation** [GDS17]. **Evaluate** [WGI90]. **Evaluating** [BBDR95, GFD05, LRG⁺16, NCA21, VC89, YFS⁺14, KdOCR⁺20, OLOF23]. **Evaluation** [ATN⁺00, ABF⁺08, Ano87b, BCK⁺89, BIC⁺10, BFNv07, BG02, BDG⁺00, CDQS04, CLP⁺99, KHP⁺04, NOM⁺19, RBL08, SWHP05, WOG95, YIN⁺11, AKP⁺18, BBG⁺14, HIT⁺14, JCK21, KKB⁺21, NMI⁺19]. **Evaluations** [PPK09]. **Event** [NRR97, BEW16, DAB⁺12]. **event-based** [BEW16]. **event-driven** [DAB⁺12]. **Events** [BG00, JDAD19]. **Eviction** [BH06]. **Evolution** [DAC⁺14, LBP18, WJS⁺90, CNW⁺23]. **evolution-AI-based** [CNW⁺23]. **evolutionary** [CdVL⁺18, JCK21, ZBH⁺23, HdV18]. **Exa** [MAF⁺22]. **ExaAM** [TBB⁺22]. **Exact** [ZK93]. **EXAGRAPH** [AAB⁺21b]. **ExaLearn** [AAB⁺21c]. **Example** [NBB⁺96, HPS⁺22]. **ExaSAT** [UCZ⁺15]. **Exascale** [AAB⁺21c, AF09, Cap09, CGG⁺09, DBA⁺09, DBM⁺11, ESD⁺22, GD09, GL09, HCC⁺22, Her09, Kal09b, KS09a, KS09b, LAV09, Luc09, Lus09a, MMN09, PPS09, SG09b, SC09, Ste09b, AAB⁺21b, BCR⁺14, KFM⁺21, MEK⁺19, MBT⁺24, MBF⁺21, MAF⁺22, SKE⁺23, SWA⁺14, UCZ⁺15, VFJ⁺15, YB12, EW22, Ger21, SKP⁺22]. **Excited** [WLC91]. **Excited-State** [WLC91]. **Excitement** [RAGW93]. **executed** [LSES20]. **Executing** [WG07]. **Execution** [MS09, AHB⁺16, DAB⁺12, DBD⁺23, ELEB21, JDD18, KILL13, RCAE⁺20, TKA⁺17]. **executions** [RV15]. **exhaustive** [PS12]. **Expand** [GCCC⁺03]. **expansion** [AMC⁺18]. **Expansions** [KMPJ08]. **Expect** [Pan92]. **Expectation** [Amd88]. **Experience** [HGD91, YHG⁺07]. **Experiences** [DD06, GKN⁺96, Reu92, RSCC⁺24, ZKRA14]. **Experiment** [HME90]. **Experimental** [BCC⁺06, EGMP93, JW06, KKCB98, KLJ87, PB19]. **Experimentation** [Ano87a]. **Experiments** [AAF⁺01, AK91, Gir02, PR95]. **Explicit** [WBG06, EAG⁺19, LNR⁺24, AGC⁺19]. **Exploiting** [Bri10, JPV23, QAL⁺23, SCR11,

WWA⁺11, LFB⁺15]. **Exploration** [KPM⁺96, BBMB19]. **Explore** [JLL04]. **Exploring** [CCO⁺19, CBD⁺17, HAF⁺96, IMS16]. **explosions** [HCC⁺22]. **Expression** [RS03]. **Expressions** [BBDR95]. **expressive** [CRS⁺19]. **Extended** [Ano02b]. **Extending** [GRC08, Pap11, LRG⁺16]. **Extensible** [CJK⁺05, KHS⁺19]. **Extension** [SVN09, AHB⁺16]. **Extraction** [CBL10, HC08]. **Extreme** [Her09, Key09, KC92a, KC92b, MPS15, ZKRA14, AAA⁺22, AMB⁺18, BEK⁺18, DCM⁺17, FAB⁺21, HRW19, INS⁺20, KDNE18, PBE⁺19, WD21]. **Extreme-scale** [ZKRA14, AMB⁺18, BEK⁺18, DCM⁺17, FAB⁺21, INS⁺20]. **extremely** [Ade21].

face [CdVL⁺18]. **Facility** [Ano87a, Don89]. **FACOM** [IHMM87]. **Factor** [DH96]. **Factorization** [DD89, DD91, IGDQO19, Jea13, LM23, MY24, YIYD19]. **factorizations** [DEKV92]. **Failure** [GCSK13, KS05, Ano19, BBH⁺13, BBG⁺18, KDNE18]. **failures** [SWA⁺14, TNLP13]. **far** [KKB⁺21]. **farm** [KBY⁺19]. **Farming** [CKPD99, MBHF15]. **Fast** [BGM15, BEW16, BMT89, CvG11, DIB00, NDMR20, PS12, PFGDM20, SWW94, TQOA23, IYK16, KKB⁺21, KDH18, RTRZ22, SCR11, TSK88, TDM⁺17, YB12, CKE08, KNP⁺87, LDW⁺12, MJ04]. **Fault** [BHK⁺06, Cap09, FD04, FGC⁺05, GKP97, GL04, JSSZ09, KWB06, WvNM⁺06, ASHH16, AG18, BBA⁺21, LRG⁺16, MSHPV18, MTW⁺22, SKZ⁺18, Sta19, SMZ⁺18, YZC⁺15]. **fault-to-structure** [MTW⁺22]. **fault-tolerance** [SMZ⁺18]. **Fault-Tolerant** [BHK⁺06, FD04, WvNM⁺06, ASHH16]. **faults** [RMS⁺18]. **Faulty** [LK01]. **FEA** [CSGM17]. **Feasibility** [KR94, KR95, CCO⁺19]. **Feature** [PTGB02, STP⁺13]. **Feature-based** [STP⁺13]. **features** [CH13, IMS16, PNFC16, PUR94, ZKRA14]. **February** [Sci92]. **federation** [Har11]. **Feedback** [CGB⁺94]. **Feedback-Scaling** [CGB⁺94]. **Feel** [ZWS21]. **Feel-the-Way** [ZWS21]. **FEM** [MK24, RMV⁺19]. **Fermi** [NTD10]. **Fermions** [ZK93]. **Fernbach** [Mar91]. **FETI** [GCD97, RMV⁺19]. **FFT** [Bai88, GGS01, KMPJ08, Wad99]. **FFT-Based** [GGS01]. **Fidelity** [SKP⁺22, TBB⁺22]. **Field** [HC08, HSLK11, KKB⁺21, PUR94, VSHN14]. **fight** [ABL⁺22]. **File** [BIC⁺10, GCCC⁺03, LRT07, kLCCW07, HLW⁺16]. **Film** [MD99]. **films** [GSK⁺15]. **filter** [LGDH16]. **filtering** [LMT⁺12]. **Finalists** [dS21]. **Financial** [BE07, HZ91]. **Finding** [dRADS⁺18b, FCLG07, PB23]. **Fine** [ACM88, BBG⁺10, LH18, WvNM⁺06, HTD⁺14, KSF22]. **Fine-Grain** [ACM88]. **Fine-Grained** [BBG⁺10, WvNM⁺06, LH18, HTD⁺14, KSF22]. **Finite** [AJL⁺97, BBA87, CC95, CBV97, EGG05, GCD97, KM95, MMD98, MS02, MS05, PH19, PLS05, THC⁺96, THL88, de 89, AFL⁺18, BSW⁺14, DWT⁺19, EKF⁺19, KFM⁺21, KSM23, LH19, MSP⁺24, PKC23, RTRZ22, SMK⁺20, ŚCKW19, VSW⁺22, WKLW21]. **Finite-Element** [MS02, BSW⁺14, KSM23]. **Finite-Volume** [MS05, LH19]. **First** [DQFW90, GKN⁺96, TMWS91, HIT⁺14, MMDA19]. **first-principles** [HIT⁺14]. **fission** [BHZ⁺23]. **Fitness** [JCK21]. **fixed** [BSK14]. **Flames** [EDS95, SG91]. **FLASH** [DAC⁺14, JKD⁺11]. **Flexible** [GMLP08, CVJ12, DGB⁺14]. **Flink** [KWEF18]. **FLO67** [WLB92]. **Floating** [BSBF89, CDL⁺19, LH18]. **floating-point** [CDL⁺19, LH18]. **flood** [HPW⁺16]. **Flow** [ABF⁺99, DD06, HKK88, PGTS10, RKKC90, SS89, SK90, CDL20, FIMU19, HHSM19, KDH18, LNR⁺24, LSS93, WDW⁺12, ZB20]. **Flowfield** [MKG90]. **Flows** [CB95, GMWG10, MYC92, PGK⁺24, dFRD⁺23].

Fluid [Cha88, DFMD94, Gen88, HL10, JL89, KT99, LWL05, PGTS10, RBMF87, SWW94, SS89, SK90, YW93, KC18, LSS93, PDDI22, PGK⁺24]. **Fluid-Structure** [KT99, KC18]. **fluids** [HBKR21]. **Fluorinated** [DFC90]. **fly** [GSA⁺19]. **Fock** [MMDA19, CLM⁺16, KKCB98, TMW⁺99]. **focused** [JRT16]. **Footprint** [JMC05, LM23]. **force** [PUR94]. **Forecasting** [MHW15]. **Forecasts** [MHW15]. **forest** [PB23]. **forests** [PNFC16]. **format** [GG14, GGO16]. **Forming** [CM97]. **Fortran** [KR95, DL97, KTP⁺24, KMJ⁺23, KR94]. **Fortran90** [LJO05]. **Forum** [Don02a, Don02b]. **Forward** [AK93, Luc09, THL88, HRW19]. **Foundation** [Web91, Blo87]. **Four** [Tho90]. **Four-Band** [Tho90]. **Fourier** [KNP⁺87, LDW⁺12, MJ04, SSCF19]. **FP32** [OY22]. **FPGA** [HC08, MHS11, PC08a, RHK21, RGB⁺18]. **FPS** [LT88]. **Fracture** [BG00, LPB⁺16]. **Framework** [CAK⁺07, DGJ09, IYV04, PGTS10, SSB⁺05, SB04, SKP⁺22, TMMR10, vLRA⁺03, FKA⁺17, FR22, GEKO19, GDM⁺23, IGA24, JBOT19, MBC⁺18, MTW⁺22, MS19, PPC⁺16, PB19, SE12, SMZ⁺18, TDG⁺19, YWL⁺14, CTD⁺05]. **frameworks** [LNR⁺24]. **Frankenstein** [Wit92]. **Free** [LWL⁺23, MT89, KSM23, LBB17, PHF21, SMK⁺20, VIKM⁺22, VSW⁺22]. **Free-Lagrange** [MT89]. **freedom** [TAM⁺16]. **Frequency** [TC10, CSGM17, SKSG19]. **front** [FIMU19]. **Frontwidth** [BMWD87]. **FSAI** [IJB22]. **FTS** [BE18]. **fuel** [BHZ⁺23]. **Fueling** [Her91]. **Fugaku** [ABL⁺22, HYY⁺22]. **Fujitsu** [Ish91]. **Full** [AEPR92, JRT16, LK01, Ano22a, NBE⁺22, RAB⁺15, THC⁺11]. **full-physics** [Ano22a, NBE⁺22]. **Full-wave** [JRT16]. **Fully** [HR97, YW93, CH13, EAG⁺19]. **Fun** [RAGW93]. **Function** [ODD07, PPK09, ZOF90, EKF⁺19]. **function-generated** [EKF⁺19]. **Functional** [LR07, QSX⁺20]. **Functions** [LS06]. **Fundamental** [MR90]. **Fusion** [ACG⁺90, BGB⁺18, DSD⁺91, FWSW02, FP02, YK04, SKP⁺22, WET⁺19]. **Future** [BSBF89, HBSM03, Wil87, BAP⁺12, CNW⁺23, DPA⁺18]. **FV** [LMT⁺12]. **fv3** [SDF⁺17]. **FVCOM** [Cow08]. **FX** [DD91]. **FX/80** [DD91].
G [MCS⁺06]. **G2** [Cot04]. **Galaxies** [Her91, NBB⁺96]. **Galerkin** [AWWG19, MSP⁺24]. **Games** [EGMP93]. **GANESH** [BPK⁺07]. **Gap** [SS99]. **Gas** [CH94, LRBS89, MKG90, BHZ⁺23]. **Gases** [WBM90]. **GASPI** [SKZ⁺18, SIC⁺19]. **Gate** [HC08]. **Gather** [TRS⁺10]. **Gauge** [Mor89a]. **Gaussian** [LSLD23]. **GEMM** [NTD10]. **Gene** [MAB⁺13, RS03, YIN⁺11, GNB11, KMH⁺14, SSU⁺12]. **Gene/P** [MAB⁺13, GNB11, SSU⁺12]. **Gene/Q** [KM⁺14]. **General** [IGA24, PLS05, VC89, BE17, CRS⁺19, MMHL11, WWC⁺24]. **general-purpose** [BE17]. **generalized** [HTD⁺14, HPA⁺22, NS21, GLGLB⁺11]. **generated** [EKF⁺19]. **Generation** [DE03, HT04a, KMPJ08, BAP⁺12, HBKR21, LDLD19, MFB⁺19, MMDA19, TRS13, VRB⁺19, WD24, ZKRA14]. **generative** [JMM⁺21]. **Generator** [PMS⁺04, DL09]. **Generic** [CAK⁺07, HLC⁺19]. **Genetic** [RS03, NMAE13]. **Genome** [ZBH⁺23, GDKWS15]. **Genome-scale** [ZBH⁺23]. **genome-wide** [GDKWS15]. **genomic** [MBC⁺18]. **GenSLMs** [ZBH⁺23]. **Geodesy** [BGG05]. **geographically** [CvG11]. **geophysical** [CMN12]. **geophysics** [MTW⁺22, SCD⁺19]. **GFLOP** [SBF90]. **Glass** [YSN90]. **Global** [ATN⁺00, Ald89, CZR⁺11, DBA⁺09, GS05, MHW15, SBG10, Tho90, WBM90, DFT⁺15, TLdS22, TAM⁺16, WDH⁺15, NPT⁺06].

Global-Address-Space [SBG10]. **Global-aware** [CZR⁺11]. **Globalized** [GKMT00]. **Globally** [SH93]. **Globus** [FK97]. **GloVE** [dPIa03]. **Glow** [YW93]. **Gluons** [BOD⁺91, BEH⁺90]. **GM** [ARPY19]. **GMRES** [AAG⁺23]. **Going** [Her09]. **good** [NDMR20]. **Goodput** [BL99]. **Gordon** [BBD⁺17, dS21]. **gossip** [CGW19]. **gossip-inspired** [CGW19]. **GPFS** [BIC⁺10]. **GPGPU** [SDF⁺17]. **GPGPUs** [APD⁺15, KDH11]. **GPU** [AWWG19, Ano22a, ATL⁺15, ARPY19, BGM15, BJWS20, CSGM17, CS14, DAD⁺22, EM23, EEL15, GHL15, GDKWS15, GGO16, HTD⁺14, IJB22, JC12, JKBW18, JCK21, KTWL18, KKL⁺19, KNPS21, LPB⁺16, LM23, MC21, MPD⁺12, MJGL13, MGFP20, NBE⁺22, OKTR11, OF17, PGK⁺24, PKC23, PS12, PNFC16, PFGDM20, RV15, RPD⁺19, SZC12, SPTT08, SE12, SKS⁺13, SDI⁺19, SK20, SSCF19, TM23, VSW⁺22, VMPW20, WDW⁺12, YLL⁺14, ZZG⁺14]. **GPU-accelerated** [AWWG19, CSGM17, IJB22, KNPS21]. **GPU-based** [ATL⁺15, JKBW18, JCK21, MJGL13, PGK⁺24, SDI⁺19]. **GPU-enabled** [Ano22a, NBE⁺22]. **GPU-equipped** [EM23]. **GPUDirect** [OGM⁺16]. **GPUs** [Ano24, ATD17, AKP⁺18, BLU⁺22, DEQO21, EHTW21, FT19, HDL⁺15, HBKR21, HPW⁺16, KMJ⁺23, MY24, NCA21, NS21, PF16, SFLC18, TKA⁺17, WWC⁺24]. **Gradient** [AH93, CSV91, MG87, DHL16, IVG⁺20, IGA24, KSM23, KMM16, PSV⁺16, PF16]. **Gradient-like** [CSV91]. **GrADS** [BCC⁺01]. **Grain** [ACM88]. **Grained** [BBG⁺10, BGB⁺96, DZRS99, WvNM⁺06, HTD⁺14, KSF22, LH18]. **Grand** [BEH⁺90, CBB⁺96, DSD⁺91, Kit90]. **granularity** [LQJG16, SKSG19]. **GRAPE** [CKE08]. **Graph** [AAB⁺21b, BBT23, CDT05, JRP⁺23, Akb24, CSC19, GLZS14]. **graphic** [LQJG16, PH19, YZZW21]. **Graphical** [DMQS12, KDO16]. **Graphics** [CLF87, GLGLB⁺11, LP10, MA15, NTD10, RBMF87, Sal87, AJ24, AAG⁺23, BE17, CMMW23, CLG13, GHHS15, Mon12, RDG12, RWM17, SO23, TQOA23, VBVD22, ZCZ⁺13]. **Graphs** [LK01]. **Gravitational** [SWW94]. **Gravity** [Ham91]. **Great** [BAM⁺16]. **Green** [ODD07]. **Greenbook'** [HBSM03]. **Greenhouse** [WBM90]. **Grid** [CKPD99, Lee03, SBWS99, ASHH16, BCYS11, HLZ⁺20, LNR⁺24, MCR⁺17, MYG23, PPC⁺16, PS12, AEG⁺03, AAF⁺01, AGR⁺03, BCCL09, BCM⁺03, BCC⁺01, BPK⁺07, BSCC03, BCC⁺06, CD06, CBSB01, CBB⁺04, CBL06, CCBS11, CY08, DCL⁺08, FKT01, GHM⁺10, GRC08, GHZ10, HBSP08, HT04a, HLP⁺03, Hua03, HWP03, KHK⁺09, LM03, MWM⁺08, Mat03, MCS⁺06, PPK09, PBD⁺01, PHB04, QH08, RIF01, RTRG⁺07, SWG⁺03, Wal03, WBF04, WPBB01, WHL03, WvNM⁺06, YBA⁺03]. **Grid-Based** [GRC08, QH08, LM03]. **Grid-Enabled** [CBB⁺04, MWM⁺08]. **Grid-Ireland** [MCS⁺06]. **Grid'5000** [BCC⁺06]. **Gridded** [ZM07]. **GridLab** [AGR⁺03]. **GridPACKTM** [PPC⁺16]. **GridRPC** [CJ06]. **Grids** [DT99, DT11, Joh01, Ma00, VR00, MMHL11, MGB12, MYG23, Sta19, BKS⁺07, BBH⁺06, Dee10, Fra05, GMLP08, IKY⁺10, MS09, SG07, SW04, TCW06, vLRA⁺03]. **GridSolve** [YSS⁺06]. **Groundwater** [ABF⁺99, MMD98]. **Group** [Bus87, BCR⁺14]. **Growth** [BCZM07, Blo87, Cla91]. **Guest** [DT18, DT19, DT23, WD21, BM13, Cec20, DT17, WD18, WD19, WD24, dA03]. **guidance** [SDJ17]. **Guided** [FBBC03, BEK⁺18]. **GWAS** [WLG⁺18]. **Gyrofluid** [KPM⁺96]. **gyrokinetic** [IMW⁺13, INY⁺14, WET⁺19]. **Hadoop** [CdVL⁺18]. **Hadron** [GKH⁺91, Liu90]. **Haidar** [Ano24]. **HAMR**

[WZHG17]. **Harbor** [BBC⁺00]. **hard** [RMS⁺18]. **Hardware** [BH06, KS09b, Spr06, Ano24, BLU⁺22, HDL⁺15, MCU⁺13, MFOAGE18, RTRZ22]. **hardware-accelerated** [BLU⁺22]. **Hari** [NS21]. **Harmonics** [KMPJ08]. **Harnessing** [HLH⁺19]. **Hartree** [CLM⁺16, KKCB98, MMDA19, TMW⁺99]. **Head** [GKB93]. **Heavy** [QH08, Reu92]. **Heavy-Ion** [Reu92]. **Helicity** [DVC88]. **Helium** [Fro91]. **Helix** [PRT90]. **Helmholtz** [BEF⁺95]. **hemodynamics** [AFL⁺18]. **Hermetic** [YK07]. **Hermitian** [RDG12]. **Heterogeneity** [TCW06, WD21]. **Heterogeneity-Aware** [TCW06]. **Heterogeneous** [BM13, BLRR01, BMR06, BG09, CHZ02, CLBS17, Dee10, EGG05, KT99, KS05, LR07, LR09, LRO10, ME14, NBB⁺96, RAGW93, RRV06, TM23, VLO⁺08, dRADs⁺18a, BHZ⁺23, BJWS20, CMS⁺11, CGST19, EDB19, GBB18, HGWN14, IMW⁺13, INS⁺20, LST15, LDW⁺12, MFP⁺17, NC18, OLOF23, PB23, SB19, UZM⁺14, ZSL⁺23, BM12]. **HeteroMPI** [VLO⁺08]. **Heuristic** [SG07]. **Heuristics** [CJ06]. **HHT** [LSES20]. **Hi** [TDM⁺17]. **Hi-C** [TDM⁺17]. **hierarchical** [EDB19]. **Hierarchical** [DD06, GJMS88, HJ96, HWP03, IGDQ019, PBAL09, SG09a, WT99, DSH⁺16, GBB18, HPA⁺22, LSLR⁺20, MJD16, Wal18, ZBMK11]. **Hierarchy** [HL10, YK04]. **High** [Ano87d, Ano87f, Ano94a, Ano94c, Ano95b, Ano95a, Ano96a, Ano97b, Ano97c, Ano97a, Ano98b, Ano98a, Ano99, Ano00, Ano01b, Ano24, ARR99, Aus92, Bai88, BV11, BGI⁺99, BCC⁺01, BAA⁺06, BBT23, BEH⁺90, BEF⁺95, BRT⁺92, CWHP99, CC95, CDP⁺94, CSY10, CB95, CJK⁺05, DTDP14, DFS⁺05, DGJ09, DBA⁺09, DHL16, ISD89, EKD⁺12, FGC⁺05, FGJ⁺04, GBB18, GHM⁺10, GHL15, GVR⁺21, GMWG10, GSK⁺15, HLRK24, HSLK11, IS96, IKY⁺10, KDH11, KBA00, Kep04a, KWB06, KFM⁺21, Kuc04, KMM16, LST15, LPB⁺16, LD07, MAB07, MSPSI15, NKiN⁺08, NFK98, NTKP06, PPK⁺04, PPK09, PA11, Poz97, Pra01, QWIC02, Sab91, STS17, SKB01, Ste01, Ste04, SKP⁺22, SKC10, TR17, THL88, TMW⁺99, THDC09, VRB⁺19, Wad99, WLC91, WLG⁺18, WOS08, YSP⁺05, AAG⁺23, AFGQO19, AGHR19, BAM⁺16, BLU⁺22, BLC17, BBA⁺21]. **high** [BAP⁺12, CSS24, CGW19, Cec20, CZR⁺11, CNW⁺23, DVW⁺12, DAD⁺22, DAC⁺14, ECG⁺13, EB23, Fem90, FMR⁺20, GR17, GSND20, Har11, HBKR21, IYK16, IFA15, JRT16, KSM23, LDLD19, LH19, MDW⁺23, MCU⁺13, MK24, OGM⁺16, PPC⁺16, PSV⁺16, PKC23, PF16, ŚCKW19, TLdS22, TNLP13, Udd17, VSW⁺22, WDH⁺15, WD19, WD24, Mar87a]. **High-Cost** [PPK09]. **high-density** [HBKR21]. **High-End** [BV11, NKiN⁺08, PA11]. **high-intensity** [JRT16]. **High-Level** [BCC⁺01, GBB18, Udd17]. **High-Order** [CC95, KFM⁺21, KSM23, LH19, MK24, OGM⁺16, PKC23, ŚCKW19, VSW⁺22]. **High-Performance** [Bai88, BAA⁺06, BBT23, BRT⁺92, CSY10, DGJ09, DBA⁺09, ISD89, HSLK11, IKY⁺10, KWB06, PPK⁺04, Sab91, TMW⁺99, THDC09, DTDP14, DHL16, EKD⁺12, GHL15, GMWG10, GSK⁺15, KDH11, KMM16, LST15, LPB⁺16, SKC10, TR17, VRB⁺19, WLG⁺18, AAG⁺23, AFGQO19, BBA⁺21, BAP⁺12, CSS24, CGW19, Cec20, CZR⁺11, DAC⁺14, ECG⁺13, EB23, Fem90, FMR⁺20, GR17, GSND20, Har11, IYK16, IFA15, MDW⁺23, PPC⁺16, PSV⁺16, PF16, TNLP13]. **high-precision** [DAD⁺22]. **High-Pressure** [WLC91]. **High-Resolution** [DFS⁺05]. **high-risk** [CNW⁺23]. **High-Speed** [Ano87d, BAM⁺16, Mar87a]. **High-Throughput** [GHM⁺10, GVR⁺21, AGHR19]. **High-Wave** [BEF⁺95]. **Higher** [Mah90]. **Highly** [Ade21, BG22, BCC⁺06, HBKR21,

HLK⁺23, Sim90, KKB⁺21, PS12, WKLW21]. **HIP** [KNPS21, TM23]. **HipBone** [CMMW23]. **History** [MT89, ZC92, Bra91]. **Hitachi** [WOG95]. **HLA** [RTRG⁺07]. **HMapper** [GPO⁺20]. **Hoc** [IBC⁺10, TNBG07, BG02, CHZ02]. **hole** [HLZ⁺20]. **HOMME** [CAE⁺13, DDKK19]. **homogeneous** [IMW⁺13]. **Homotopy** [DZRS99]. **HONPAS** [QX⁺20]. **Hop** [TNBG07]. **Hoshen** [CBV97]. **Hosted** [HBSM03]. **Hough** [GLGLB⁺11]. **hp** [KBY⁺19]. **hp-adaptive** [KBY⁺19]. **HPC** [Ano19, dS21, AGK⁺23, ABG⁺19, BBMB19, BBG⁺18, CRS⁺19, CYZ⁺20, CCBL18, GCSK13, GGMJF⁺20, Kep04b, KV19, KHK⁺09, Lap22, MDH⁺18, NMI⁺19, PMP⁺20, SSQ08, SGFC09, TNCC21, ZWS21]. **HPC-Based** [dS21]. **HPCC** [CBB⁺96]. **HPCG** [LYL⁺16]. **HPF** [BF01, DL97]. **HPF-Builder** [DL97]. **HPG** [GPO⁺20, IMB⁺19]. **HPG-HMapper** [GPO⁺20]. **HPVM** [CLP⁺99]. **HPVM-Based** [CLP⁺99]. **human** [ABH⁺18, BE17, GGMJF⁺20]. **Hut** [INS⁺20]. **Hybrid** [BBG⁺10, BBH⁺06, CWG09, MS02, MV20, MGFP20, RW03, BSK14, BBG⁺14, CAE⁺13, GHL15, GGO16, HTD⁺14, HLW⁺16, IVG⁺20, LYL⁺16, NOM⁺19, NMAE13, QX⁺20, RMV⁺19, STP⁺13, SZC12, SDJ17, SMZ⁺18, SHK⁺18, TM23, THDS19, WSD⁺14]. **hybrid-core** [BBG⁺14]. **Hybridisation** [EMP⁺18]. **hydrodynamic** [HLH⁺19, SZC12]. **Hydrodynamics** [LRBS89, PGTS10, GEKO19, HF24, VSW⁺22]. **hydrostatic** [AWWG19]. **hydroxymethylation** [GPO⁺20]. **Hyperbolic** [FG97, CHT⁺19, LH19, RV15]. **Hypercube** [Din91, KLJ87]. **Hypercubes** [LK01]. **HYPERDOCK** [ILCLG20]. **Hypergraph** [Akb24]. **Hypergraph-based** [Akb24]. **hyperheuristics** [ILCLG20]. **Hyperspectral** [DF08, HC08, PC08a, SPTT08, VLO⁺08]. **I-WAY** [DFP⁺96, GKN⁺96, NBB⁺96]. **I/O** [BCP⁺20, DLY⁺98, DEL⁺12, IBC⁺10, KKCB98, KES⁺17, LPJ98, MMD98, MS95, NFK98, OWO98, PH91, SW01, SR98, TLG98, TD08, TNCC21, WWA⁺11]. **IA** [PSV⁺16]. **IA-based** [PSV⁺16]. **IBM** [DEKV92, DD89, DD91, Gaf88, GNB11, KMH⁺14, MAB⁺13]. **Ice** [ZOF90, WCS⁺23]. **ice-sheet** [WCS⁺23]. **IceT** [GS99]. **icosahedral** [MYG23]. **idealized** [LPB⁺16]. **IDR** [AKP⁺18]. **IEH** [LK01]. **IESP** [GD09, Moh09]. **II** [Don02b, JP93, TDM⁺17]. **IJHPCA** [KM20, Mas19]. **illuminate** [CDG⁺21]. **ILU** [Ma00]. **Image** [AAC⁺97, BCJ01, CSY10, DIB00, DF08, PTGB02, Sal87, SPTT08, BGM15, TKA⁺17, THH⁺13, VBVD22, ZCZ⁺13]. **Imagery** [HC08, PC08a]. **Images** [VLO⁺08, RPdB⁺19, SKS⁺13]. **Imaging** [CBB⁺96, Wri12, JKBW18, SFLC18]. **imbalance** [CLVYC⁺24]. **IMEX** [LNR⁺24]. **immersed** [KSF22]. **Immersive** [THC⁺96]. **immiscible** [HBKR21]. **Impact** [Ald89, BRU05, Chu99, GJMS88, LC90, NMAE13, BHK⁺88]. **Impacts** [JPV23]. **Implementation** [AEPR92, BBS99, BCZM07, BBA87, BIC⁺10, BG00, BRM03, CL95, CLF87, Cho01, CTD⁺05, EKF⁺19, FD04, HJ96, IBC⁺10, INS⁺20, KLJ87, LMT⁺12, LT90, MC90, MS02, MG87, MS05, NMI⁺19, ODD07, SYF96, Tis97, ZZG⁺14, dRADS⁺18a, BG11, GDS17, HF24, KTWL18, LNSMMA15, MV20, MHW15, NMAE13, OKTR11, OGM⁺16, VMPW20, YZZW21]. **Implementations** [Ano01a, RR96, BDFVP15, ESD⁺22, KWEF18, KSM23, LWT⁺11, MK24]. **implemented** [BBDH14, PH19]. **Implementing** [CDT05, KV19, LRT07, YFH⁺96]. **Implications** [RES87]. **Implicit** [GKMT00, MS02, NS21, EAG⁺19, HLZ⁺20, KTP⁺24, KC18, AGC⁺19]. **Importance**

[BCG⁺10, SC09]. **Important** [TC10, FAB⁺21]. **improve** [JdSA⁺17, LFB⁺15]. **Improved** [Ano87b, CMHB15, FSN08, NTD10, DMSMG18, INY⁺14]. **Improvement** [SVN09, KMM16]. **Improving** [ARPY19, BL99, BJK07, CGGC⁺16, DAB⁺12, ILCLG20, JMC05, KL13, MJD16, MW12, YK04, CSC24]. **in-depth** [JDAD19]. **in-memory** [WZHG17]. **In-Network** [OMDS23]. **in-situ** [MFB⁺19]. **Incomplete** [IJ93, Kal09b, MC21]. **Increased** [DTL⁺21, WBMV90]. **Increasing** [CLVYC⁺24, PHC⁺10, WW92]. **Independent** [BRU05, CCRV20]. **Index** [Ano96b, Ano97d, Ano98b, Ano99, Ano00, Ano01b, Ano02n, Ano02l, Ano02m, HC08, BE07]. **INDIANA** [OMDS23]. **induction** [JK21]. **Industrial** [DGP⁺97, GMWG10, LDGR03, JBOT19, VMPW20]. **inefficiency** [HGMW12]. **Inequality** [NK89]. **Inertial** [BGB⁺18]. **infection** [ABL⁺22]. **Infer** [RS03]. **inference** [KPST18]. **InfiniBand** [NOM⁺19, OF17, SWHP05]. **Influence** [CK01, Ede93]. **Information** [Ano91b, Ano91a, Ano92g, Ano96c, Ano96a, Ano97b, Ano97c, Ano98a, BH06, CHZ02, FWSW02, FP02, IMS16]. **Information-Driven** [CHZ02]. **Information-Theoretic** [FWSW02]. **Infrastructure** [FK97, HLP⁺03, OMDS23, Wal03]. **Infrastructures** [HdV18]. **inherently** [MY24]. **inhibitors** [BGB⁺22]. **Initial** [WLVL⁺96]. **Initiated** [SSB⁺05]. **Initio** [ASW91, HYY⁺22, LDLD19, SKE⁺23]. **injection** [CIWI17, WSD⁺14]. **Innovative** [MPS15]. **input** [Lap22, LCZ⁺15, WVL⁺16]. **input/output** [LCZ⁺15, WVL⁺16]. **inspired** [CGW19]. **Instance** [LJC⁺10]. **Instance-Intensive** [LJC⁺10]. **instances** [TR17]. **Institute** [Duk91, EM89, IHMM87]. **Instruction** [HRM89]. **Instrument** [CBB⁺04]. **Instrumentation** [TM99]. **Int** [Ano24]. **Integer** [Gro03, DAD⁺22, OOOY24]. **Integrate** [BFL99]. **Integrated** [CFK⁺94, GLZS14, MHW15, WBG06, FT19, PLJD24]. **Integrating** [TGS⁺22]. **Integration** [ACD07, QWIC02, BTRZ⁺19]. **Integrative** [KHK⁺09]. **Intel** [GLZS14, HGD91, HLS⁺17, KLJ87, KR94, KR95, LSES20, SB19]. **Intelligence** [Ano87d]. **Intelligent** [TGS⁺22]. **Intel(R)** [MMDA19]. **intensity** [JRT16, LH19]. **Intensive** [GMLP08, KUE⁺00, LJC⁺10, Mah90, ACF⁺11, FKA⁺17]. **Inter** [FWZ91]. **Inter-Semiconductor** [FWZ91]. **Interacting** [KWB06]. **Interaction** [AEPR92, Liu90, HYY⁺22, KC18]. **Interactions** [TMWS91, PFGDM20]. **Interactive** [CWHP99, CLF87, KPM⁺96, LSS93, RBMF87, RTRG⁺07, SS89, THC⁺96, VR00, WBF04]. **Interchange** [YK04]. **interconnect** [SDI⁺19]. **interest** [CdVL⁺18]. **Interface** [Ano93d, Ano94b, BDG⁺00, KFM⁺10, LWOB97, MPI98, SLG95, ESW⁺12, IMS16, KTP⁺24, ZKRA14, BC14, BBH⁺06, BRU05, Cot04, GL04, IBC⁺10, KKDV03, KKD05, LK10, SWHP05, TGT05]. **interfaces** [BG22]. **Interference** [KCC⁺06, TNCC21, CSC24]. **Interference-Aware** [KCC⁺06]. **Interleaving** [KNP⁺87]. **International** [Ano91b, Ano92g, Ano92e, Ano92f, Ano93a, Ano94a, Ano95b, Ano95a, Ano96a, Ano97b, Ano97c, Ano97a, Ano98a, Gaf88, Lee03, Ano98b, Ano99, DBA⁺09, DBM⁺11, Ano91a, Ano00, Ano01b]. **Internet** [EDSV06, Rao02]. **Interoperability** [Kal09b, LDB⁺06, SIC⁺19, EKD⁺12]. **Interpolation** [JLO05, SBBS06]. **Interpretation** [Fei99]. **Intrepid** [BWB⁺10]. **Introduction** [Ano02o, BM13, BL18, BQOS21, DT99, DT13, Hau94, KM20, Mas19, Nag93, OV13, Par23, SB18, SDS12, Ste01, Tur95, dS21, Ano22b]. **inundation** [HPS⁺22]. **Inverse** [Cho01]. **inverses**

[MGFP20]. **inversion** [BGM15, HLRK24]. **Investigating** [CW05, PHF21]. **Investigation** [CK01]. **Investigations** [Mav02]. **investing** [DTL19]. **Invitation** [Mar87c]. **Invocation** [DP05]. **Involving** [MBF⁺11]. **IO** [BIC⁺10, JPV23, LRT07, WHGT22]. **IO-aware** [JPV23, WHGT22]. **Ion** [Reu92]. **ions** [KFJ20]. **Iowa** [BCYS11]. **IPC** [Udd17]. **iPSC** [HGD91, KR94, KR95]. **iPsc/** [KR94]. **iPSC/860** [HGD91, KR95]. **Ireland** [MCS⁺06]. **Irregular** [Cza03, Man97, TRS⁺10, KPR17, MMHL11]. **ischaemic** [SKS⁺13]. **Ising** [BMT89, BRT⁺92]. **island** [NC18]. **island-based** [NC18]. **isolating** [ALL13]. **Issue** [BV11, BM13, BQOS21, BE18, DT97, DT99, DT06, DT13, DT17, Fol90b, Hau94, KM20, MPI98, Mas19, ME14, Nag93, OV13, PA11, Yel04, dS21, Ano22b, BH17, Cec20, DT19, DT23, HdV18, MFB⁺19, Par23, WH20, WD19, WD21, WD24, SDS12]. **issued** [CSGM17]. **Issues** [AD93, BMW87, CLSS09, CEL⁺97, Dem90, EGMP93, Men00, GCSK13]. **Italy** [OL05]. **Iterated** [RR96]. **iterations** [MC21]. **Iterative** [BDL⁺07, CSV91, CMN12, CM97, FFR⁺10, MC90, MCW⁺00, PHC⁺10, SC04b, SCFK04, AKP⁺18, CSGM17, CvG11]. **Iteratively** [ML20].

J [Ano24]. **Jack** [Ano24]. **Jacobi** [BBDH14]. **Jaguar** [BWB⁺10]. **Jam** [MCG04]. **Japan** [EM89, IHMM87]. **Java** [BJK07]. **Jini** [Hua03]. **Jini-Based** [Hua03]. **JISGA** [Hua03]. **Job** [JPV23, GJMV18]. **Job-Scheduling** [JPV23]. **Josephson** [IKY⁺10]. **Journal** [Ano91b, Ano91a, Ano92g, Ano92e, Ano92f, Ano93a, Ano94a, Ano95b, Ano95a, Ano96a, Ano97b, Ano97c, Ano97a, Ano98b, Ano98a, Ano99, Ano00, Ano01b]. **JPEG** [BKRSR09, CLBS17]. **JPL** [Din91]. **Julia** [VBVD22]. **Jumpshot** [ZLGS99].

Junctions [IKY⁺10]. **Jupiter** [Tho90]. **Just** [BPBL11]. **Just-in-Time** [BPBL11].

K-computer [INY⁺14]. **Kepler** [HPW⁺16]. **Kernel** [TM99, ALL13, BLU⁺22, Jon12, LNSMMA15]. **Kernels** [BELF07, IYV04, EHTW21, HCCG20, MAB⁺13, WKLW19]. **key** [KV19, KES⁺17]. **keys** [BSK14]. **kinetic** [EM23]. **Kinetics** [ARR99]. **KNC** [HCCG20]. **Knowledge** [AEG⁺03, Cap09, vLRA⁺03, ECG⁺13, KT94]. **Known** [Ano92h]. **Kokkos** [DWT⁺19]. **Kopelman** [CBV97]. **Krylov** [GKMT00, ATL⁺15, AKP⁺18, CMN12, IGA24, MSKM21]. **Kutta** [KR11, RR96, RDPK22].

L [dSSB⁺08]. **LA-MPI** [YSP⁺05]. **Laboratory** [ABF⁺08, Bus87, GVR⁺21, BBB⁺91b, Don89, DGH⁺93, HGD91]. **LABS** [RRJ⁺20]. **Lagrange** [MT89, ZB20]. **Lagrangian** [EM23, KRR19]. **LAM** [SSB⁺05]. **LAM/MPI** [SSB⁺05]. **Laminar** [EDS95, SG91]. **Land** [HVKW05]. **landscape** [CYZ⁺20, GSND20]. **Language** [BGB⁺22, CCZ07, LD07, Pan92, Sha88, CH13, EKD⁺12, NMI⁺19, PHF21, ZBH⁺23]. **Languages** [Kal09b, KKS04, YHG⁺07, JO92]. **Large** [AS00, AK91, AGL⁺87, BAM⁺16, BGG05, BDP01, BCCL09, Ber92, BWB⁺10, BBA87, BCC⁺06, CWHP99, CK01, Ede93, Ewi88, Fra05, FBW⁺87, GDKWS15, GMWG10, Gun00, HYY⁺22, HSLK11, Joh01, KMJ⁺23, KNP⁺87, KUE⁺00, LT88, LM03, LDW⁺12, LC06, MC90, MR04, MRD⁺15, Mor89b, NKR90, PPK⁺04, PS87, RGB⁺18, SE92, SD87, TRS⁺10, UF89, VS03, WT99, YRA⁺02, ZRC⁺06, ABH⁺18, Ade21, BLOR18, BCYS11, CvG11, DCD⁺13, EM23, EEL15, FR22, FU12, HIT⁺14, JBOT19, LWL⁺23, MBHF15, MJD16, OLOF23, PDDI22, RDG12, STP⁺13, SIC⁺19, VOL⁺14, ZBMK11, ZSL⁺23]. **Large-Scale** [AS00, AK91, BDP01, Ber92, BBA87,

CWH99, Ewi88, Fra05, Gun00, HSLK11, Joh01, KMJ⁺23, KUE⁺00, LC06, Mor89b, NKR90, SD87, YRA⁺02, ZRC⁺06, BAM⁺16, GDKWS15, GMWG10, HYY⁺22, LM03, LDW⁺12, MRD⁺15, BLOR18, EM23, EEL15, FR22, JBOT19, LWL⁺23, MBHF15, MJD16, OLOF23, PDDI22, STP⁺13, SIC⁺19, VOL⁺14]. **Largest** [Ano92h]. **Largest-Known** [Ano92h]. **Latent** [WWA⁺11]. **Lattice** [BGK⁺90, Din91, JC12, LRBS89, Mor89a, MSK92, CGST19, HBKR21, Liu90, Mon12, OKTR11, RWM17, WKLW21, YIYD19, YZZW21, SBBS06]. **Law** [HE01]. **laws** [Hea15, LH19]. **Lax** [YFS⁺14]. **layout** [HLW⁺16, SZ11]. **layouts** [RWM17]. **Lazy** [BPBL11]. **LBLAS** [KJH96, JO92]. **Leading** [OCC⁺08, SSQ08]. **Learned** [PK04, IKMS⁺19]. **Learning** [AH93, AAB⁺21c, AK93, CBM13, DMJS19, DEQO21, EEL15, EJD⁺19, JMM⁺21, KFJ20, KWEF18, LSLD23, MP18, NSI20, OWC⁺21]. **Leasing** [EW06]. **Legacy** [Ano02h]. **legends** [MDW⁺23]. **Legion** [GNTLH97]. **Length** [DLY⁺98, BSK14]. **lesions** [SKS⁺13]. **Lessons** [PK04]. **Level** [BCC⁺01, BBC⁺00, YK04, DEL⁺12, GBB18, IK18, LRG⁺16, Udd17, DD89, DD91]. **leverages** [OLOF23]. **Leveraging** [CH13, LYL⁺16, SFLC18]. **Liber8Tion** [Pla09]. **Libraries** [DMT01, GFD05, LDB⁺06, PBD⁺01, PMS⁺04, PH19]. **Library** [BK07, CE00, MA15, BLC17, DWT⁺19, DEL⁺12, JC12, LNK22, Poz97]. **ligand** [HLK⁺23]. **Ligature** [KBA00]. **light** [HYY⁺22]. **light-matter** [HYY⁺22]. **Lightspeed** [PPK⁺04]. **lightweight** [GS18, SSU⁺12]. **like** [CSV91]. **limitations** [CGW19, SPHW18]. **Limited** [KR11, TWK87]. **Limits** [Amd88, THH⁺13]. **Linda** [Mat95, SSNM92]. **Line** [LWOB97, Ade21]. **Linear** [AGL⁺87, BS88, BDL⁺07, CDQS04, CL95, CDP⁺94, Don02a, Don02b, Ede93, GJMS88, JO92, KVV⁺90, KJH96, MC90, Ma00, MA15, Man97, NZ93, PB19, Poz97, WT99, de 89, AAB⁺21a, ATD17, CvG11, FTB13, AAT⁺20, Kum89, LRLG19, MY24, MBvdG13, ML20, RDG12, SPHW18]. **Link** [TLG98, PS87]. **LINPACK** [DL09]. **Linux** [ALL13, Ano01a, CK01, GSHL03, Jon12, LWL05, SG09a, YIN⁺11]. **Liquid** [DQFW90]. **Livermore** [WGI90]. **Living** [GHZ10]. **Load** [BG09, BFNV07, GS05, GLGLB⁺11, MYCR06, CLVYC⁺24, ZBMK11]. **Load-Balanced** [BFNV07]. **Loads** [DLG06]. **Local** [BRT⁺92, MYC92, MTW⁺22, PNFC16, RRJ⁺20, JO92, KJH96]. **Local-Creutz** [BRT⁺92]. **Locality** [AKW19, BPBL11, PHC⁺10, Akb24, KSM23]. **locality-enhancing** [Akb24]. **Localization** [CYT⁺02, MJGL13, VIKM⁺22]. **Localized** [WCE95]. **Logical** [Chu99, SR98]. **Long** [Gro03, HRM89]. **longest** [Ozs16]. **look** [BBD⁺17]. **Looking** [AK93]. **Loop** [IS96, YK04, RCAE⁺20, WKLW19]. **Loops** [WGI90, RRJ⁺20]. **Loss** [ZOF90]. **Lossless** [Arn07]. **lossy** [CCO⁺19, CDL⁺19, TDG⁺19, UBK⁺23]. **Low** [DF08, KR11, HF24, MK24, PKC23]. **Low-Complexity** [DF08]. **low-order-precision** [HF24]. **low-order-refined** [PKC23]. **low-overhead** [MK24]. **Low-Storage** [KR11]. **lower** [RTRZ22]. **Lu** [Tis97]. **Luszczek** [Ano24]. **M2L** [KKB⁺21]. **Machine** [AAB⁺21c, BR03, CC95, CSV91, CBV97, EEL15, IKMS⁺19, KFJ20, MC90, SS89, Wit92, ZK93, BAP⁺12, CBM13, DMJS19, DEQO21, EJD⁺19, KWEF18, MP18, NSI20, SK20, SSU⁺12, BJ92, GKH⁺91, HZ91, KKDV03, KKD05, LK10, LPG88, Don87]. **machine-learning-based** [CBM13]. **machinery** [TGS⁺22]. **Machines** [AH93, BBDR95, CDT05, CB95, HC10, HGWN14, Jea13, KS89]. **macromolecular**

[DF18, MCR⁺17]. **made** [ASHH16]. **Madre** [SS10]. **MAGMA** [AAT⁺20, NTD10]. **magnetic** [JKBW18]. **Magnetically** [ACG⁺90]. **Magnetohydrodynamic** [ACG⁺90, FU12]. **mainstream** [BHK⁺13]. **Major** [GL09]. **makes** [SDI⁺19]. **Making** [BPBL11, Dee10, GWKN08, BHK⁺13, KT94]. **MALI** [WCS⁺23]. **Malleability** [CSS24, CLVYC⁺24, MÁAC⁺24]. **malleable** [BPR18, CSC24, RSCC⁺24]. **Man** [Wit92]. **Manage** [HBSP08, ESW⁺12]. **Management** [AF09, AD93, BPK⁺07, DD06, Dar00, HTSK90, MWM⁺08, MFK09, PK04, SE92, YB07, OLOF23, PBB⁺20]. **manager** [IK18]. **Managing** [Spr06, TGP19]. **manufacturing** [TBB⁺22]. **Many** [GLZS14, TMWS91, AKC⁺19, BH12, INS⁺20, LDLD19, LNSMMA15, MSPSI15, PSV⁺16, Udd17, VIKM⁺22, VRB⁺19, VOL⁺14, YFS⁺14]. **Many-Body** [TMWS91, VIKM⁺22]. **many-core** [AKC⁺19, BH12, INS⁺20, LNSMMA15, MSPSI15, PSV⁺16, Udd17, VRB⁺19, VOL⁺14, YFS⁺14]. **many-nucleon** [LDLD19]. **manycore** [AGC⁺19, DJJ⁺19, HFV⁺12, LTPK17, MBC⁺18, SCD⁺19]. **manycores** [BH17]. **Mapping** [CDRV15, JPV23, QH08, ASAK19, DCN17, GJMV18, Jea13, KPR17]. **Mappings** [PTGB02]. **Marenostrum** [RBL08]. **marine** [GEKO19]. **Market** [McN87, NK89, WPBB01]. **Market-Based** [WPBB01]. **Markets** [IIJ93]. **Mass** [McN87]. **Massive** [GNB11, dSSB⁺08, CdVL⁺18, GVR⁺21]. **Massive-Scale** [GNB11]. **Massively** [BBDR95, CH94, CBW95, CB95, Dem90, DCLS19, HVWS09, HVSW09, HS93, HZ91, JL89, Jon92, LPJ98, MA15, MPG93, MSP⁺24, Mon89, NZ93, PK04, SBF90, SCB⁺95, SK92, TMW⁺99, AHB⁺16, BCLP17, GEKO19, IJB22, KHS⁺19, KRR19, KDH18, NMAE13, RMV⁺19, SPHW18, YJZN22]. **match** [Ozs16]. **Matching** [ZC92, HFV⁺12]. **Materials** [EGG05, GKN⁺96, KVV⁺90, Nak99, WLC91, ZOF90, MPD⁺12, PHF21, VDF⁺23, ZSL⁺23]. **Mathematical** [Mon89]. **Mathematics** [Don89]. **MATLAB** [BK07, Lus09b, ZZG⁺14]. **Matrices** [KC92a, KC92b, TQOA23]. **Matrix** [AGL⁺87, Chu99, DL09, GG11, IYV04, MCG04, NKR90, VSW⁺22, Ano24, BDC21, BJWS20, DEKV92, EHTW21, GG14, GGO16, HDL⁺15, KSM23, MSHPV18, OOV24, PHF21, SCR11, SMK⁺20, VIKM⁺22, WZH⁺20, WWC⁺24, YIYD19, YLL⁺14]. **Matrix-free** [VSW⁺22, KSM23, PHF21, SMK⁺20, VIKM⁺22]. **Matrix-vector** [GG11, GGO16, YLL⁺14]. **matter** [GHHS15, HYY⁺22]. **Maximization** [GLGLB⁺11]. **Maximizing** [PIR⁺20]. **MCell** [CBSB01, CBB⁺04]. **MCHF** [SYF96]. **Means** [BRT⁺92]. **Measure** [BH06]. **Measurement** [MSMW07, FU12]. **Measuring** [FGJ⁺04, Har11, KKS04, SB04]. **mechanically** [MBvdG13]. **Mechanics** [HOPB92, Her88, Ytt97]. **Mechanism** [DZRS99, SK20]. **mechanisms** [CDG⁺21, GGMJF⁺20]. **Media** [PGTS10]. **medical** [THH⁺13]. **Medicine** [SSNM92]. **Mediterranean** [CDG⁺14]. **Medium** [MHW15]. **Meetings** [Ano91c, Ano91d, Ano91e, Ano92i, Ano92j, Ano92k, Ano92l, Ano92m, Ano93b, Ano93c, Ano98c]. **Melting** [MWC⁺05]. **Member** [HTSK90]. **memetic** [NC18]. **memoization** [CGGC⁺16]. **Memoriam** [Mar91]. **memories** [TKSK88]. **Memory** [AH93, AD93, BFLL99, BMWD87, Bri10, BEF⁺95, CDT05, CWG09, CB95, FSS13, GJMS88, GSHL03, Gir02, HC10, HL10, HD05, JLL04, JMC05, MWAR⁺87, MCW⁺00, NPT⁺06, NTKP06, WT99, YRA⁺02, YK04, YIN⁺11, ZC92, BH12, CHT⁺19, DEKV92, DCN17, HTD⁺14, HGMW12, IK18, JO92, KDO16, LFB⁺15,

LM23, LCZ⁺15, RMV⁺19, SPNB14, SB19, THDS19, Wal18, WZHG17, YIYD19, SS10]. **Memory-Aware** [SS10]. **memory-efficient** [RMV⁺19]. **merger** [HLH⁺19]. **Merging** [YBA⁺03]. **Mesh** [DFS⁺05, HT04b, Mav02, MCW⁺00, SR05, WCE95, WCDS99, DCLS19, GDM⁺23, ZMG⁺21, dFRD⁺23]. **Mesh-Iterative** [MCW⁺00]. **Meshes** [Ytt97, KC18]. **Meso** [GGS01]. **Meso-Scale** [GGS01]. **Message** [Ano93d, Ano94b, CWG09, MPI98, BBG⁺14, SMZ⁺18, ZKRA14, BC14, BBH⁺06, BRU05, Cot04, GL04, IBC⁺10, KKDV03, KKD05, LK10, SWHP05, SLG95, TGT05]. **Message-Passing** [Ano93d, Ano94b, CWG09, MPI98, SMZ⁺18, SLG95]. **Messages** [JW06]. **Messaging** [KFM⁺10]. **Metacomputing** [FK97, GS99]. **METADOCK** [ICPSG18]. **metaheuristic** [ICPSG18]. **Metaheuristics** [QH08, TPG⁺18]. **Metal** [TBB⁺22, NMAE13]. **metal/polymer** [NMAE13]. **Metals** [Cla91]. **Metascheduling** [Mat03]. **meteorological** [GKR⁺22]. **Method** [DP05, FCLG07, Man97, SG91, Tis97, de 89, Ade21, BBDH14, FIMU19, HLZ⁺20, KSF22, KKB⁺21, KSM23, MMHL11, MSP⁺24, MMDA19, MGFP20, OKTR11, PH19, SPHW18, TKS88, YZZW21, YB12, CKE08, SBBS06]. **Methods** [AD93, ACG⁺90, AGL⁺87, BMWD87, BBT23, CC95, CSV91, FWSW02, HOPB92, HJ96, MC90, MG87, Meu88, MR90, PHC⁺10, RR96, SCFK04, TXD⁺07, THL88, AAB⁺21a, AAB⁺21b, Akb24, CMN12, DTL⁺21, EKF⁺19, IGA24, IYK16, ICPSG18, JdSA⁺17, KLR⁺21, KFM⁺21, Lai93, LNR⁺24, Mon12, MK24, RDPK22, SMK⁺20, ŚCKW19, UZM⁺14, Nag89]. **Metric** [HE01, DHL16]. **Metrics** [CMS⁺11, Num04, Ste04]. **Mexico** [Bus87]. **MFEM** [VSW⁺22]. **MFIX** [MAF⁺22]. **MFIX-Exa** [MAF⁺22]. **MHD** [ACG⁺90]. **MIC** [HLS⁺17, SHK⁺18]. **Micro** [BWB⁺10, SKS⁺13]. **Micro-benchmarks** [BWB⁺10]. **micro-ischaemic** [SKS⁺13]. **Microbenchmarks** [JLL04]. **Microcanonical** [BMT89]. **microfluidic** [KDH18]. **micromagnetics** [YJZN22]. **Microprocessors** [WT99]. **Microscopic** [YFH⁺96]. **microscopy** [DCK⁺23, RPdB⁺19, TKA⁺17]. **microstructure** [TBB⁺22]. **Microtasked** [MSK92]. **Microtasking** [HA91]. **microthreaded** [Udd17]. **MICs** [TKA⁺17]. **Middleware** [BA01, CKPD99, CDCV06, EDSV06, MCS⁺06]. **Migration** [KLJ87, UB95, QHCC17, QAL⁺23]. **millions** [LYL⁺16]. **MIMD** [AH93, BOD⁺91, FFNP97]. **Mimicking** [ACD07]. **Mini** [BGB⁺18, Gen88]. **Mini-applications** [BGB⁺18]. **Mini-Supercomputers** [Gen88]. **MiniApps** [MDH⁺18]. **minimal** [LBP18]. **Minimization** [Rao02, LPB⁺16]. **Minnesota** [Aus92, ATD⁺88]. **MiPax** [HKK88]. **MIPSPRO** [CW05]. **Missing** [Mar87d]. **Missions** [SKB01]. **Mixed** [Ano02b, BDL⁺07, LM23, AAB⁺21a]. **mixed-precision** [AAB⁺21a]. **MM** [MFP⁺17]. **MM2** [PUR94]. **MMF** [LNK22]. **Mobile** [FP02, QWIC02, YBA⁺03]. **Mode** [LRT07, HHSM19, KTP⁺24]. **Model** [ATN⁺00, ACD07, ABAS87, BFLL99, BE07, BFNv07, BG02, BMT89, BRT⁺92, CBW95, DVC88, GS05, GP93, Ish91, JLO05, Kep04a, KJ05, KM95, LR07, LPJ98, PPR03, SSSW91, SG09b, SG09a, SR05, Ste09a, TD08, VFD04, VC89, WBG06, WHL03, AGC⁺19, AWWG19, ABH⁺18, CDL20, CDG⁺14, CMHB15, DAB⁺12, EDB19, EMP⁺18, EAG⁺19, GDKWS15, HPA⁺22, IYK16, KKL⁺19, LBP18, LNK22, MKM⁺19, PMP⁺20, SDF⁺17, TNLP13, WDH⁺15, YWL⁺14, Cow08, CJK⁺05, DVW⁺12, DEE⁺12, DJC05, ESW⁺12, HVKW05, JLO05, KTWL18, LJO05, MS05, MW12, PLS05, WD05]. **Modeled** [WJS⁺90]. **Modeling**

[AS00, AGHR19, BCZM07, BELF07, CWHP99, CC95, CTD⁺05, DR06, DDM87, DSD⁺91, DCN17, EGG05, EDS95, HVWS09, HVSW09, JO90, MOK00, MWC⁺05, Men00, MCU⁺13, OLOF23, Rad18, SG91, SVBP13, SK92, THC⁺96, THL88, WSCZ05, YK07, YW93, CVJ12, CHWS20, DCM⁺17, GSK⁺15, HPS⁺22, JKBW18, MMHL11, OWC⁺21, SE12, SK20, SKP⁺22, UCZ⁺15, WCS⁺23]. **modelling** [QHCC17, STS17]. **Models** [ARR99, BV11, BRGR11, BR03, BBD00, DGD⁺04, DFC90, Gir02, HD05, HAF⁺96, IJ93, Kal09b, LJO05, LR09, LRO10, MA89, PA11, PS87, RW03, Ste04, Ste09b, UB95, VDB04, WOS08, WW92, ZC92, de 89, Ade21, BH17, BCH⁺23, BGB⁺22, DTD14, DEL⁺12, EJD⁺19, HCC⁺22, HLS⁺17, JMM⁺21, KdOCR⁺20, KBY⁺19, MEK⁺19, MTW⁺22, MDH⁺18, MYG23, SCD⁺19, VSHN14, WKLW19, ZBH⁺23]. **Modern** [BDG⁺00, WET⁺19, ESW⁺12, KTP⁺24, KMJ⁺23, LNR⁺24, PLJD24, SB19]. **Modified** [HB90]. **Modisazure** [ACF⁺11]. **modular** [AFGQO19]. **Module** [PLS05]. **Modulo** [Gro03]. **Molecular** [BYT91, CGB⁺94, CH94, CWG09, CSY10, DQFW90, DGD⁺04, DVC88, DFC90, KVVY⁺90, MP94, Nak99, NHG⁺96, AKC⁺19, AKW19, HXW⁺13, KFJ20, KNPS21, PGK⁺24, PIR⁺20, SKE⁺23, SDI⁺19]. **molecule** [JMM⁺21]. **Monitor** [BH06, SSU⁺12]. **Monitoring** [LWOB97, MR04, PHB04, SC09, Spr06, VR00]. **Monte** [BEH⁺90, CH94, DFT⁺15, FSS13, LM03, LPB⁺16, MWAR⁺87, MB87, MFP⁺17, SABD13, SSSW91, SSR⁺14, VSS⁺13, ZK93]. **mortar** [LPB⁺16]. **Morton** [Wal18]. **MOSFET** [VSS⁺13]. **MOSFETs** [MV20]. **MOTEUR** [GMLP08]. **motif** [FAB⁺21]. **motion** [NSI20]. **Motions** [DFC90]. **moulded** [WSD⁺14]. **movement** [LM23, PG18]. **Moveout** [LT90]. **moving** [BG22]. **MP** [AEPR92, Del93, DH96, Lai93, LT88, MYC92, MSK92, YW93]. **MP/416** [THL88]. **MPAS** [KTP⁺24]. **MPAS-ocean** [KTP⁺24]. **MPH** [HD05]. **MPI** [SLG95, Ano94b, Ano01a, BBG⁺10, BCG⁺10, BBS99, BBG⁺14, BF01, BBDH14, BBH⁺13, BIC⁺10, BHK⁺06, BBC⁺00, BRM03, Bri10, CBL10, CLVYC⁺24, DJJ⁺19, DLB07, DGB⁺14, FD04, FCLG07, FSC⁺11, GFD05, GVF⁺18, HC10, HGMW12, IMS16, KWEF18, KMH⁺14, LRG⁺16, LRT07, kLCCW07, MS02, MÁAC⁺24, MMDA19, OL05, OGM⁺16, RTRG⁺07, SCB14, SSB⁺05, SDJ17, SC04b, SIC⁺19, THDS19, YSP⁺05, ZKRA14, SZC12]. **MPI-2** [HGMW12]. **MPI-Based** [FSC⁺11]. **MPI-IO** [BIC⁺10, LRT07]. **MPI-OpenMP** [MS02]. **MPI/OpenACC** [OGM⁺16]. **MPI/OpenMP** [MMDA19]. **Mpi/Openmp/GPU** [SZC12]. **MPI2** [MPI98]. **MPL.T** [GVF⁺18]. **MPICH** [BHK⁺06, Cot04, GL97, TRG05]. **MPICH-G2** [Cot04]. **MPICH-V** [BHK⁺06]. **MrBayes** [KPST18]. **MRI** [LNR⁺24, SKS⁺13]. **Much** [RAGW93]. **Multi** [BKRSR09, BH12, Bri10, KDH11, OKTR11, SSR⁺14, TNBG07, YK04, APD⁺15, BGM15, BGO20, CAE⁺13, CZR⁺11, DAC⁺14, HCC⁺22, IKMS⁺19, IK18, KTWL18, KKL⁺19, KILL13, LDW⁺12, LVA⁺13, LNSMMA15, MGFP20, PSV⁺16, TKA⁺17, TGS⁺22, VSS⁺13, VMPW20, VOL⁺14, YFS⁺14]. **multi-** [PSV⁺16]. **Multi-Core** [Bri10, BH12, KDH11, SSR⁺14, CAE⁺13, KILL13, LDW⁺12, LNSMMA15, TKA⁺17, VOL⁺14, YFS⁺14]. **Multi-Criteria** [BKRSR09]. **multi-GPGPUs** [APD⁺15]. **Multi-GPU** [OKTR11, BGM15, KTWL18, KKL⁺19, VMPW20]. **Multi-Hop** [TNBG07]. **Multi-Level** [YK04]. **multi-order** [CZR⁺11]. **multi-physics** [DAC⁺14, HCC⁺22]. **multi-processor** [BGM15]. **multi-projection** [MGFP20]. **multi-resolution** [TGS⁺22]. **multi-scale** [IKMS⁺19]. **multi-step** [BGO20].

multi-subband [VSS⁺13]. **multi-tasking** [IK18]. **multi-threaded** [LVA⁺13].
Multiblock [KDL01, Ytt97]. **Multibody** [BGI⁺99]. **Multicommodity** [NK89].
Multicomponent [HD05, SVN09].
Multicomputer [Man97].
Multicomputers [MOK00]. **Multicore** [CWG09, BSK14, BSH⁺16, DTD14, DDK19, LWT⁺11, MPD⁺12, MBC⁺18, OPW⁺12, RSCC⁺24, THH⁺13]. **multicores** [BH17]. **Multicriteria** [CJ06].
Multidimensional [HLW00].
Multidisciplinary [BGB⁺96, KDO16].
Multidomain [KS05]. **multifold** [PIR⁺20].
Multifrontal [AD89, AD93, BMW87].
Multigrid [DMT97, SC04a, AG18, BGO20, DTL⁺21, GEKO19, HRW19, MK24, ZZG⁺14].
Multilevel [DW97, EGG05, WCD59, Sta19].
Multimodal [FWSW02]. **Multiparadigm** [AS00]. **Multiphase** [ZC92, FIMU19, HBKR21, YZZW21, ZB20].
Multiphysics [EW22, KMW⁺13, LJO05, MCW⁺00, MWC⁺05, PK04, MC21, ZMG⁺21].
Multiple [DLG06, MYCR06, Mor89b, Nak99, BLOR18, BDFVP15, HLRK24, HGWN14, KDO16, MDH⁺18, RDG12, SKS⁺13].
multiplication [DAD⁺22, EHTW21, GGO16, OY24, SCR11, WWC⁺24, YLL⁺14].
multiplications [WZH⁺20]. **Multiply** [GG11]. **Multipole** [CKE08, KMPJ08, IYK16, KKB⁺21, YB12].
Multiprocessing [Ano87a, DD91, YM91].
Multiprocessor [AD89, BS88, DEKV92, KPR17].
Multiprocessors [AD93, DD91, Gir02, Wad99].
Multiprogramming [MA89].
Multiprotocol [BHK⁺06]. **multirate** [LNR⁺24]. **multiscale** [CDG⁺21, DCK⁺23].
Multistage [GMWG10]. **multitask** [LSLD23]. **Multitasking** [MYC92, THL88, UF89]. **multithreaded** [HFV⁺12, LD24]. **Multithreading** [BBG⁺10]. **Multiunit** [GCL93]. **muscle** [IKMS⁺19]. **Musings** [Luc09]. **Myth** [Ano87c]. **Myths** [MDW⁺23].
NAMD [NHG⁺96]. **Nankai** [BAM⁺16].
nanometre [CHW⁺15]. **nanoparticles** [KFJ20]. **Nanophase** [Nak99]. **NAS** [BBB⁺91a]. **NASA** [MAB07, PLS05].
National [ABF⁺08, BBB⁺91b, Bus87, Don89, DGH⁺93, HGD91, UB95, BEW16, BCH⁺23, All88, Blo87, Mir90, Web91].
Navier [Mav02, SBF90]. **NCL** [GKR⁺22].
nCube [CL95]. **Near** [Arn07, KFJ20].
Near-Lossless [Arn07]. **nearest** [DSH⁺16].
NEC [Mor89a]. **Neck** [GKB93]. **Need** [GS09, Ste09a]. **Needs** [Ano87e, HB5M03].
neighbour [DSH⁺16]. **Nek5000** [MGS⁺15, WZH⁺20]. **NekBone** [CMMW23]. **NEMO** [EMP⁺18]. **NERSC** [HB5M03]. **NES** [AMC⁺18]. **nested** [RSCC⁺24]. **nests** [RCAE⁺20]. **Net** [AEG⁺03]. **Netlets** [Rao02]. **nets** [BDC21].
NetSolve [CD97]. **Network** [ACD07, AM00, AB01, AMC⁺18, BL99, BSCC03, BGF02, CD06, CD97, CK01, Chu99, DD06, DFMD94, LC06, MOK00, NZ93, OMDS23, PHB04, RS03, WEPB12, ABH⁺18, OF17, VEMR17].
Network-Based [AM00].
Network-Enabled [CD97, DD06].
network-on-chip [VEMR17].
Network-theoretic [WEPB12].
Networked [FWSW02]. **Networking** [Ano87e]. **Networks** [AKP08, CHZ02, FP02, Gun00, JMP02, Mar89a, MAJJS03, QWIC02, RES87, TNBG07, VLO⁺08, JRP⁺23, VRB⁺19, VDF⁺23]. **Neural** [AM00, Her88, RES87, BDC21, JRP⁺23, VRB⁺19, VDF⁺23]. **neuroimaging** [KdOCR⁺20, MRD⁺15]. **neuromorphic**

[VDF⁺23]. **neuron** [CHWS20]. **neutron** [BSH⁺16, DFT⁺15, SSR⁺14]. **Newton** [DTL⁺21, GKMT00]. **Newton-multigrid** [DTL⁺21]. **Next** [DE03, HT04a, MFB⁺19, WD24, ZKRA14]. **next-generation** [MFB⁺19, WD24, ZKRA14]. **NMR** [BHK⁺88]. **No** [Ano87c]. **Nodal** [FSN08, MSP⁺24]. **Node** [KHP⁺04, BGO20, IK18, KL13]. **node-level** [IK18]. **nodes** [HYH⁺20, TNLP13]. **NOE** [CGB⁺94]. **NOE-Restrained** [CGB⁺94]. **noise** [ALL13, WLFH16]. **Non** [BCG⁺10, CAK⁺07, GSHL03, uITH07, AWWG19, RDG12, SLL⁺19]. **Non-Data-Communication** [BCG⁺10]. **Non-Dedicated** [CAK⁺07, GSHL03]. **non-deterministic** [SLL⁺19]. **non-Hermitian** [RDG12]. **non-hydrostatic** [AWWG19]. **Non-Polynomial** [uITH07]. **nonblocking** [DJJ⁺19, WLFH16]. **Nondeterminism** [BBT23, CRS⁺19]. **Nonequilibrium** [YW93]. **nonhydrostatic** [AGC⁺19]. **noninteracting** [PMP⁺20]. **noniterative** [IMB⁺19]. **Nonlinear** [AK91, ABAS87, HT04b, KVVY⁺90, DTL⁺21, GEKO19, JRT16, KLR⁺21]. **nonstationary** [DTL⁺21]. **Nonsymmetric** [KC92a, KC92b, MC90, Ma00]. **Normal** [YRA⁺02, Haj93]. **North** [LC90]. **Northern** [UB95]. **Note** [DT17, Cec20, DT18, DT19, DT23, WD18, WD19, WD21, WD24]. **Notice** [Ano17a, Ano24]. **Novel** [CGB⁺94, DGJ09, FWZ91, SG07, Cec20, HTD⁺14, PNFC16, VDF⁺23]. **Novo** [NKiN⁺08]. **NSF** [Bra91, Sci92, Sal87]. **NSF-Sponsored** [Sal87]. **NT** [Ano01a, CLP⁺99]. **NuChart** [TDM⁺17]. **NuChart-II** [TDM⁺17]. **Nuclear** [FSS13, IHMM87, BHZ⁺23, LDLD19, LD24]. **nucleon** [LDLD19]. **NUMA** [Jea13, MKM⁺19, OPW⁺12]. **Number** [Ano92h, FG97, FU12]. **Numbers** [BEF⁺95]. **Numerical** [ABF⁺99, ABB⁺94, DMT01, DE03, Ede93, IJ93, LWL05, Nag89, PR95, PPR03, PBD⁺01, Poz97, RAB⁺15, RIF01, RKKC90, SG91, THDC09, AAB⁺21a, AAA⁺22, BG22, BBA⁺21, BSS15, IGA24, KMJ⁺23, MAB⁺13, MKM⁺19, SDF⁺17]. **Numerically** [Mah90, WJS⁺90]. **Nvidia** [BLU⁺22, KNPS21, RTRZ22]. **NWChem** [JDD18].

O [BCP⁺20, DLY⁺98, DEL⁺12, IBC⁺10, KKCB98, KES⁺17, LPJ98, MMD98, MS95, NFK98, OWO98, PH91, SW01, SR98, TLG98, TD08, TNCC21, WWA⁺11]. **Oak** [ABF⁺08, DGH⁺93, HGD91]. **Object** [NHG⁺96, SE12]. **Object-Oriented** [NHG⁺96]. **Objective** [PPK09]. **oblivious** [CHT⁺19]. **observable** [RAB⁺15]. **observations** [ZKRA14]. **observe** [TGS⁺22]. **obstacle** [CCBS11]. **Obstacles** [MBF⁺11]. **Occupancy** [GLGLB⁺11].

Ocean [Cow08, HAF⁺96, KJ05, KM95, WSCZ05, CDG⁺14, EMP⁺18, KTP⁺24, JO90]. **oceanographic** [CBA⁺18]. **October** [OL05]. **ODE** [BCCL09, BH99, KR11]. **Off** [SR05]. **Offers** [Ano87a]. **offline** [dRADS⁺18a]. **Offload** [BRU05]. **Offloading** [GWKN08, HCCG20]. **Ohio** [BBW90]. **Oil** [KR94, KR95]. **OLCF** [Ano22a, NBE⁺22]. **On-Board** [SPTT08]. **on-Demand** [EW06]. **On-Line** [LWOB97]. **On-the-fly** [GSA⁺19]. **One** [GFD05, LRT07, TGT05, Udd17]. **One-IPC** [Udd17]. **One-Sided** [GFD05, LRT07, TGT05]. **Ongoing** [MEK⁺19]. **Online** [FAB⁺21, LC06]. **Onto** [QH08]. **Open** [LWOB97, BSW⁺14, CGW19, GCSK13, AEG⁺03]. **OpenACC** [MGS⁺15, OGM⁺16, QHCC17]. **OpenCL** [ASAK19, CLBS17, RGB⁺18, RRJ⁺20]. **OpenDDA** [DGJ09]. **Opening** [PRT90]. **OpenMOC** [BSH⁺16]. **Openmp** [SZC12, BF01, BBDH14, BBC⁺00, CLVYC⁺24,

HHSM19, LRLG19, MS02, MV20, MMDA19, OPW⁺12, TM23, THDS19].

OpenMP-parallel [HHSM19]. **Operating** [CW01, EDSV06, HI12, HI13, IH15].

Operation [BBR10, BHdR09]. **operational** [CBA⁺18]. **Operations** [FCLG07, GFD05, MS09, TRG05, TGT05, Akb24, GG14, KMH⁺14, ŠCKW19].

Operators [FSN08, GRC08, ZM07, LMT⁺12].

Opportunities [Ano87a, Cap09, KMW⁺13].

optical [GSK⁺15]. **Optimal** [BR03, FG97, DEQO21, LTPK17, WWC⁺24].

Optimisation [BGB⁺18, VSS⁺13].

Optimization [AKP⁺18, ABB⁺94, BFLL99, BGB⁺96, BELF07, CGST19, HL10, HA91, IYV04, KMH⁺14, LT88, PPK09, RW03, SCD⁺19, SCB⁺95, SR05, TXD⁺07, TRG05, YLL⁺14, ABH⁺18, BRGR11, BH12, FIMU19, IMW⁺13, KES⁺17, NMAE13, PB23, SDJ17, SHK⁺18, UZM⁺14, WD21, YWL⁺14].

Optimizations [PSV⁺16, DCD⁺13, Jea13, PUR94, WKLW19]. **Optimize** [KKCB98, GVF⁺18]. **Optimized** [MSK92, THDS19, IK18, MK24].

Optimizing [AKC⁺19, DDKK19, FSS13, GG11, KILL13, MAB⁺13, MCG04, Mor89a, NSI20, TGT05, WCE95, WCDS99, BJWS20, EJD⁺19].

Optorsim [BCM⁺03]. **orchestrating** [OLOF23]. **Orchestration** [ZSL⁺23]. **Order** [CC95, uITH07, THL88, CZR⁺11, HF24, KFM⁺21, KSM23, LH19, MK24, OGM⁺16, PKC23, PFGDM20, ŠCKW19, THDS19, VSW⁺22]. **ordering** [Wal18]. **orderings** [AKW19]. **ordinates** [DMSMG18]. **Organic** [CBL06]. **Organization** [FWSW02, FKT01].

Organized [BGF02]. **Organizing** [CBL06, GHZ10]. **Oriented** [Hua03, NHG⁺96, CMN12]. **Orography** [GS05]. **oscillatory** [SPHW18]. **OSWALD** [RGB⁺18]. **other** [CBA⁺18]. **Our** [WW92].

outlooks [RAB⁺15]. **output** [Lap22, LCZ⁺15, WVL⁺16].

Overarching [Kep04b]. **Overhead** [HYH⁺20, MSMW07, MK24]. **Overheads** [BCG⁺10, GNB11]. **Overlap** [BBDR95, BRU05, INY⁺14]. **Overlapping** [PR95, DJJ⁺19]. **overset** [KBY⁺19].

Overview [AGR⁺03, DFP⁺96, DJC05].

P [MAB⁺13, GNB11, SSU⁺12]. **P4** [Mat95].

PACE [NKP⁺00]. **Pacific** [JO90]. **Package** [RIF01, SYF96, QSX⁺20]. **PACO** [BQOS21]. **Pair** [Fro91]. **PAM** [CEL⁺97].

PAM-CRASH [CEL⁺97]. **pandemic** [BCH⁺23]. **Panel** [Sal87]. **PANORAMA** [DCM⁺17]. **Papers** [Lee03, Moh09, OL05, DT11, KKDV03].

PAPI [JDAD19]. **papillomavirus** [ABH⁺18]. **Par-BF** [LGDH16]. **Paradigm** [BGB⁺96, DCL⁺08]. **Parallel** [AWS01, AAC⁺97, AS00, APD⁺15, AK91, AM00, AHB⁺16, AEPR92, ABB⁺94, BGG05, BDP01, BCCL09, BBB⁺91a, BCZM07, BOD⁺91, BYCB05, BK07, BBDR95, BBC⁺00, BSH⁺16, BG00, BEF⁺95, BGB⁺96, BH99, CCH⁺88, CCZ07, CE00, CDH⁺93, CL95, CCBS11, CH94, CBW95, Cho01, CSV91, Chu99, CEL⁺97, CB95, CM97, CJK⁺05, DEKV92, DLY⁺98, Dem90, DIB00, DFS⁺05, DZRS99, DMT01, DZDR95, Ede93, EGG05, EDS95, FG97, Gaf88, GCCC⁺03, GKN⁺96, GKP97, GDS17, GP93, GGS01, GL97, GKMT00, HKK88, HVWS09, HVSW09, HR97, HdV18, HLW00, HJ96, HT04b, HS93, HZ91, IBC⁺10, JLO05, JL89, Jon92, KDL01, KC92a, KC92b, KT99, Kok88, KR11, KS05, LD24, Lap22, LJO05, LPJ98, LWOB97, Lus09b, MC90, MS09, MMD98, MA15, MS02, MSMW07, MT89, MWAR⁺87, MPG93, Mat95, Mav02, MD99].

Parallel [MWC⁺05, McR87, Meu88, MBF⁺11, Mon89, Mor89b, MSK92, MS95, NK89, NKR90, NKiN⁺08, NHG⁺96, NZ93, NFK98, NKP⁺00, OWO98, ODD07, Pan92, Pan97, PR95, PPR03, PC08a, PK04, RW03,

RR96, RS03, SBF90, SWW94, SABD13, SW01, SS89, SPTT08, Sha88, SCB⁺95, SM06, SR98, Sim90, SSNM92, SG91, SK92, SBG10, SMW87, TBA⁺17, TLG98, TMW⁺99, TR92, Tis97, TD08, UB95, VLO⁺08, VSHN14, WSCZ05, WG07, YRA⁺02, YHG⁺07, YW93, Ytt97, ZK93, ZCZ⁺13, Ade21, AKW19, dRADS⁺18a, dRADS⁺18b, BLC17, BH12, BCLP17, CSC19, CMHB15, DKMT18, DAB⁺12, DEL⁺12, DCLS19, EJD⁺19, GBB18, GHL15, GKR⁺22, GHHS15, HLW⁺16, HLZ⁺20, HLS⁺17, HHSM19, IVG⁺20, IGA24, IMH⁺11, IMH⁺12, ICPG18, ILCLG20, IJB22, IKMS⁺19, JdSA⁺17, KT94, KHS⁺19, KRR19, KES⁺17, KDH18, Kum89, LPG88, LGDH16, LSLR⁺20]. **parallel** [LWT⁺11, LNR⁺24, LBP18, MY24, MV20, MSP⁺24, MFB⁺19, MJD16, MS19, MSKM21, NMAE13, NSI20, PDDI22, PH19, QSX⁺20, RMV⁺19, RSCC⁺24, SPHW18, SO23, Sta19, SMZ⁺18, SB19, TRS13, TPG⁺18, THDS19, WVL⁺16, WEPB12, YJZN22, ZWS21, DP05, KJ05, KKDV03, KKD05, LK10, Nag89]. **Parallel-algorithm** [AHB⁺16]. **parallelisation** [BSW⁺14, RCAE⁺20, VSS⁺13, WSD⁺14]. **Parallelism** [ACM88, CFK⁺94, MYC92, VRRL18, dSSB⁺08, DMSMG18, DTL⁺21, Jon12, KDNE18, RSCC⁺24]. **Parallelization** [AJL⁺97, CDL20, CBV97, Cow08, Cza03, DGP⁺97, GCD97, HE01, KM95, LP10, LVA⁺13, MCW⁺00, Reu92, WBG06, CIWI17, CDG⁺14, KSF22, MFP⁺17, MMDA19, Ozs16, SZC12]. **Parallelizing** [AFL⁺18]. **Parameter** [FBBC03, KFJ20, SH93]. **Parameterizations** [WD05, AJ24]. **Parameters** [LR09]. **ParaScope** [CCH⁺88]. **PARCOACH** [SCB14]. **Park** [UB95]. **Parkbench** [HL00]. **Parmetis** [LDGR03]. **PaRSEC** [ML20]. **Part** [HVWS09, HVSW09, SR05]. **Parthenon** [GDM⁺23]. **Partial** [Key09, Meu88, RMS⁺18, KS89, YZC⁺15]. **Participate** [Mar87c]. **Particle** [DR06, DDM87, MB87, MD99, MR90, PGTS10, ABH⁺18, HF24, MBF⁺21, NSI20, WET⁺19]. **particle-in-cell** [WET⁺19]. **particles** [PMP⁺20]. **Partition** [LQJG16]. **Partitioned** [MHW15, SBG10, ABD⁺18, ABG⁺19, LGDH16]. **Partitioner** [SR05]. **Partitioner-Centric** [SR05]. **Partitioning** [LR07, SR05, WCDS99, Ytt97, BJWS20, SABD13]. **Partitions** [WCE95]. **Passing** [Ano93d, Ano94b, BC14, BBH⁺06, BRU05, CWG09, Cot04, GL04, IBC⁺10, KKDV03, KKD05, LK10, MPI98, SWHP05, TGT05, SMZ⁺18, ZKRA14, SLG95]. **PASSION** [KKCB98]. **Passive** [MBF⁺11]. **Patching** [BH00]. **Path** [Luc09, MAF⁺22, SDJ17]. **Paths** [Rao02]. **patients** [SKS⁺13]. **Pattern** [BE07, APD⁺15, SKS⁺13]. **Patterns** [Cho01, GRC08, GKB93, SR98, dRADS⁺18b, BRR17, DKMT18, EEL15, HGMW12, WEPB12]. **Patterns/Operators** [GRC08]. **PC** [CDT05, CK01, LWL05, Ste01]. **PCISPH** [VMPW20]. **PCs** [AWS01]. **PDE** [CCO⁺19, CHT⁺19, DTL⁺21, FMR⁺20]. **PDEs** [Ma00]. **peak** [OY22]. **Peaks** [TC10]. **PeleC** [dFRD⁺23]. **PERFECT** [BCK⁺89]. **Perform** [Ano24]. **Performance** [AS00, ATN⁺00, Ano87b, Ano87f, Ano94a, Ano94c, Ano95b, Ano95a, Ano96a, Ano97b, Ano97c, Ano97a, Ano98b, Ano98a, Ano99, Ano00, Ano01a, Ano01b, ARR99, Aus92, Bai88, BGI⁺99, Bar09, BAA⁺06, BCK⁺89, BBDH14, BWB⁺10, BBT23, BGB⁺18, BBA87, BFNV07, BRM03, BRT⁺92, BBD00, BDG⁺00, BELF07, CDQS04, CWHP99, CC95, CK01, CDP⁺94, CAK⁺07, CSY10, CEL⁺97, CB95, CJK⁺05, Dar00, Del93, DH96, DGD⁺04, DGJ09, DBA⁺09, lSD89, EHTW21, EAG⁺19, FGC⁺05, FGJ⁺04, FSC⁺11, FSN08, FFR⁺10, FU12, Gun00, HIT⁺14, HVWS09, HVSW09, HR97, HL00, HLW00, HSLK11, IS96, IKY⁺10, IHMM87,

JLL04, JMC05, KBA00, Kep04a, KHP⁺04, KJ05, KDL01, KWB06, KS09a, Kuc04, KUE⁺00, LR07, LR09, LS90, LRLG19, LWL05, LNR⁺24, LD07, MSMW07, MPB⁺22, Mav02, MA89, Men00, MYG23, MJ04].

Performance [MMN09, MSK92, NFK98, NPT⁺06, NTKP06, NKP⁺00, Num04, OCC⁺08, PPK⁺04, PB19, PF16, Poz97, PLS05, QHCC17, QWIC02, RIF01, RBL08, RDPK22, SBF90, Sab91, SWHP05, SSQ08, SCB⁺95, SM06, SVN09, SC09, Spr06, SKB01, Ste01, Ste04, SBG10, SFP02, SBBS06, SW04, SB19, THC⁺96, TMW⁺99, TAR⁺08, THDC09, VC89, VR00, VDB04, Wad99, WT99, WCS⁺23, WBFB04, WG07, WD05, Yel04, YK04, YIN⁺11, YSP⁺05, ZLGS99, AKC⁺19, AAG⁺23, ATD17, AKP⁺18, AFGQO19, BLC17, BBA⁺21, BRGR11, BCP⁺20, BSH⁺16, BAP⁺12, CGGC⁺16, CSS24, CGW19, Cec20, CMMW23, CS14, CZR⁺11, CMHB15, CHWS20, DTD14, DCM⁺17, DWT⁺19, DVW⁺12, DHL16, DAC⁺14, ECG⁺13, EB23, EKF⁺19, EKD⁺12, Fem90, FMR⁺20, GVF⁺18, GHL15, GR17, GMWG10, GSND20, GS18, GDM⁺23, GSK⁺15, GGO16, Har11, HLW⁺16, HPA⁺22, HCCG20, HLRK24].

performance [IYK16, IFA15, IGBBR23, INS⁺20, JKD⁺11, JDAD19, KDH11, KL13, KNPS21, KMM16, LDLD19, LST15, LPB⁺16, LWT⁺11, LSLD23, MAB⁺13, MDW⁺23, MSPSI15, MCU⁺13, MW12, MSKM21, NMAE13, OY22, PPC⁺16, PSV⁺16, PB23, SFLC18, SSR⁺14, SZ11, STS17, SK20, SKC10, TR17, TGP19, TKA⁺17, TNLP13, UCZ⁺15, VRB⁺19, WLG⁺18, WKLW19, WLFH16, WD19, WD21, WD24].

performance-portable [CMMW23].

Periodic [ZBMK11]. **PERMAS** [AJL⁺97].

persistent [KV19]. **Perspective** [Bar09, YHG⁺07, PS12]. **Perspectives** [Ano92n, MP95, Sab91]. **perturbation** [KdOCR⁺20, LWL⁺23].

perturbation-based [LWL⁺23].

perturbative [MFP⁺17]. **Pervasive** [Ald89]. **petaflop** [RWM17]. **petaflops** [TAM⁺16]. **Petascale** [Cap09, Her09, HXW⁺13, WWA⁺11, JKD⁺11, MKM⁺19]. **Petascale/Exascale** [Cap09]. **PEZY** [YIME19]. **PEZY-SC** [YIME19]. **PGAS** [GDKWS15, NMI⁺19]. **pH** [MP94]. **Phase** [CBL10, CDH⁺93, FWZ91, HSLK11, YCHH90, CDL20, CRS⁺19, KDH18, RPD⁺19, VSHN14]. **phase-contrast** [RPd⁺19]. **phase-field** [VSHN14].

PHAST [MPB⁺22]. **PHAT** [MJGL13]. **Phi** [HCCG20, LSES20]. **PhiTM** [MMDA19].

Photon [MWAR⁺87]. **phylogenetic** [KPST18]. **Physical** [Chu99, SR98, WD05].

Physical/Logical [Chu99]. **Physician** [Wit92]. **Physics** [DSD⁺91, KDH11, MR90, AJ24, Ano22a, DAC⁺14, GHHS15, HCC⁺22, HPS⁺22, NBE⁺22]. **Pieces** [Mar87d]. **Piotr** [Ano24].

Pipeline [BFLL99, BKRSR09, BCH⁺23]. **Pipelined** [TRS⁺10, MSKM21]. **pipelines** [KdOCR⁺20]. **pipelining** [LQJG16].

Pittsburgh [RS88]. **pivoting** [YZC⁺15].

Pixel [HC08]. **placement** [DJJ⁺19].

Planet [Mar89b]. **Planning** [CDCV06].

Plasma [CDD⁺90, EM23, FU12]. **Plasmas** [ACG⁺90, DDM87, WET⁺19].

plastic [WSD⁺14]. **plate** [NMAE13]. **Platform** [LJC⁺10, PMS⁺04, PLS05].

Platform-Adapted [PMS⁺04]. **Platforms** [BLRR01, BMR06, Eyr06, MYCR06, OCC⁺08, dRADS⁺18a, ABG⁺19, BJWS20, BBG⁺18, BSH⁺16, Cec20, DDKK19, GSND20, IYK16, IMW⁺13, MPD⁺12, MFB⁺19, MFP⁺17, MBF⁺21, PPC⁺16, SHK⁺18, SB19, UZM⁺14, Ano19].

Play [Pan97]. **PLW** [LD07]. **pMATLAB** [BK07].

POEMS [BBD00]. **Point** [BSBF89, HC10, Ma00, MC21, CDL⁺19, LH18]. **Point-block** [MC21]. **Point-SSOR** [Ma00].

Point-to-Point [HC10]. **Pointers** [LRT07].

points [CdVL⁺18]. **Poisson**

[GGS01, KRR19, RTRZ22]. **polarizable** [KFJ20]. **policies** [BLOR18]. **Policy** [EW06]. **Pollution** [DFH⁺96]. **Polyacetylene** [ZOF90]. **Polyenes** [AEPR92]. **polymer** [NMAE13]. **Polymers** [DFC90]. **Polynomial** [uITH07]. **Polytetrafluoro** [DVC88]. **population** [OWC⁺21]. **Porous** [PGTS10, MPD⁺12]. **Portability** [WD05, DWT⁺19, GS18, LNK22, MPB⁺22, QHCC17, TGP19]. **Portable** [BDG⁺00, FCLG07, GL97, PLS05, CMMW23, EKf⁺19, GDM⁺23, HLH⁺19, SB19, WCS⁺23]. **Portals** [BRM03]. **Porting** [LNK22, MCR⁺17, Mic09, SHK⁺18, KNPS21, WD19, WD24]. **pose** [BE17]. **Positive** [Ald89]. **positron** [VBVD22]. **Post** [BBH⁺13]. **Post-failure** [BBH⁺13]. **Potential** [CGW19, YZZW21]. **Potentials** [DGD⁺04, THDS19]. **Power** [BHdR09, Dem09, TNBG07, Ade21, CGGC⁺16, LSES20, PPC⁺16, SFLC18, UZM⁺14, BQOS21]. **Power-Aware** [BQOS21]. **power-line** [Ade21]. **Power-Saving** [TNBG07]. **Powerful** [Mor89b]. **PowerPC** [MAB⁺13]. **PRACE** [Mic09]. **Practical** [Cho01, WKLW19]. **Practice** [BR03]. **Practices** [PK04]. **Pragmatic** [DCD⁺13, Eyr06]. **Precision** [Ano02b, BDL⁺07, AAB⁺21a, AFGQO19, Bai20, DAD⁺22, HF24, LH18, LM23, OY22, RTRZ22]. **precisions** [HLRK24]. **Preconditioned** [MG87, IVG⁺20]. **Preconditioner** [BBS99, de 89, IJB22, RMS⁺18]. **Preconditioners** [CE00, Cho01, Ma00]. **preconditioning** [MC21, PKC23]. **Predict** [VS03]. **Predicting** [BE07, WLC91, WWC⁺24, CNW⁺23, MCU⁺13]. **Prediction** [FFR⁺10, HL00, KUE⁺00, NKP⁺00, SCB⁺95, BAM⁺16, BBA⁺21, BGB⁺22, GCSK13, HLK⁺23, MKM⁺19, PLJD24, UBK⁺23]. **Predictions** [RIF01, TLdS22]. **preeminent** [YB12]. **Preemptive** [BBH⁺06]. **Preface** [Ano17b, Bak01, Bam12, BO08, CCF⁺06, CCD⁺06, CJZ08, DDS00, DKD07, DT97, DT01, Don02a, Don02b, Fow05, IK02, Kah07, KZ07, MD06, OL05, Pat05, PC08b, Wal03, YD07, dA03]. **Prefetching** [BIC⁺10, CZR⁺11]. **prefix** [Ozs16]. **Preprocessing** [DMT97]. **Preprocessors** [Ano01a]. **Pressure** [WLC91]. **Pricing** [BBMB19, YB07]. **Prime** [Ano92h, Sim90]. **Principal** [DF08]. **Principles** [DQFW90, GKN⁺96, TMWS91, HIT⁺14]. **Priori** [Cho01]. **Priority** [PBB⁺20]. **Privacy** [Mar89a]. **Prize** [dS21, BBD⁺17]. **probabilities** [Haj93]. **Problem** [CDH⁺93, CSV91, DL09, UF89, CCBS11, RRJ⁺20, SKE⁺23]. **Problems** [BGG05, CD97, FG97, FBW⁺87, GGS01, MR90, NK89, NKR90, SWW94, uITH07, TRS⁺10, TMMR10, DTL⁺21, KC18, Lai93, LNR⁺24, MC21, MBHF15, SPHW18]. **Procedure** [CGB⁺94]. **Process** [AM00, FGC⁺05, GCL93, SC04b, KILL13, WSD⁺14]. **Processes** [MWC⁺05, GSK⁺15, LSLD23, MÁAC⁺24]. **Processing** [AK91, FP02, GLGLB⁺11, KHP⁺04, LP10, MA15, MT89, Mor89b, MSK92, NTD10, OWO98, PC08a, PMS⁺04, Sal87, SPTT08, SWG⁺03, VLO⁺08, YW93, AJ24, AAG⁺23, BE17, BLC17, CMMW23, CLG13, CMN12, DMQS12, GHHS15, HPS⁺22, KDO16, LQJG16, PH91, RDG12, RWM17, SFLC18, SO23, VBVD22, YZZW21, ZCZ⁺13]. **Processor** [MPG93, RRV06, SBF90, SK92, BGM15, DJJ⁺19, MAB⁺13, MMDA19, Mon12, PH19]. **Processors** [Bri10, BDG⁺00, LR07, LT88, MWAR⁺87, Mor89b, TMW⁺99, AGC⁺19, BBG⁺14, CZR⁺11, MBC⁺18, MSPSI15, PSV⁺16, RSCC⁺24, SB19, TQOA23, THH⁺13, YIME19]. **Product** [MCG04, BDC21, Eri88, ŚCKW19]. **Production** [MSK92, MDH⁺18, SH93]. **Productively** [VBVD22]. **Productivity**

[Bar09, FGJ⁺04, KKS04, Kep04a, Kep04b, Kuc04, SB04, Ste04]. **Profiling** [MSMW07, SGFC09]. **Program** [Kit90, NHG⁺96, WG07, Fem90, KJ05, Web91]. **Programmability** [CCZ07, CLSS09]. **Programmable** [HC08]. **Programme** [HT04a]. **Programmer** [BEK⁺18]. **Programmer-guided** [BEK⁺18]. **Programming** [BBG⁺10, BV11, BF01, BDG⁺00, CCH⁺88, CWG09, Cza03, EGG05, Gan88, Gir02, Kal09b, KKS04, Kok88, Lus09b, Mat95, NPT⁺06, PA11, PBAL09, Poz97, RW03, Sha88, SCB⁺95, SMW87, VEMR17, WLB92, BH17, CCBL18, EDB19, GBB18, GDKWS15, HLS⁺17, IVG⁺20, LBP18, MGB12, MDH⁺18, SB19, TM23]. **Programs** [ACM88, DLB07, GL04, HC10, LWOB97, NZ93]. **Progress** [AGL⁺87, BRU05, CAE⁺13, DJJ⁺19, MEK⁺19]. **Project** [BHK⁺06, CBB⁺96, ESD⁺22, PK04, BCC⁺01, DBA⁺09, DBM⁺11, EW22, Ger21, Mic09, OKTR11, PS87, PHB04, Wit92]. **projection** [MGFP20]. **projects** [ACF⁺11]. **Promising** [Gir02]. **proof** [RTRZ22]. **Propagation** [GKN⁺96, ALE⁺20, ASAK19]. **Properties** [ACG⁺90, DFS⁺05, WLC91, ZM07, AKW19, FFZ⁺23, PHF21]. **proposal** [ZKRA14]. **prospectus** [Bra91]. **Protein** [ACD07, BHK⁺88, Jon92, RGB⁺18, DSH⁺16, HLK⁺23]. **protein-ligand** [HLK⁺23]. **Protocol** [TNBG07]. **Prototypical** [WLVL⁺96]. **Provided** [LS06]. **Providing** [GKP97, SLL⁺19]. **Proximal** [NZ93]. **Pruners** [SLL⁺19]. **pulse** [ASAK19]. **Purity** [HC08]. **Purpose** [CKE08, Gus04, BE17]. **Purpose-Based** [Gus04]. **Pushing** [THH⁺13]. **PVM** [BDG⁺95, Mat95, SYF96]. **PVMGeant** [DZDR95]. **PVODE** [BH99]. **PyCOMPSs** [TBA⁺17]. **Python** [FKA⁺17, GKR⁺22, LD07, RCAE⁺20, TBA⁺17].

Q [KMH⁺14]. **Qaulity** [Mat03]. **QCD** [Din91, JC12]. **QCDOC** [DGD⁺04]. **QM** [MFP⁺17]. **QM/MM** [MFP⁺17]. **QoS** [BSCC03]. **Quadrics** [YSP⁺05]. **Quadtree** [CL95]. **Quality** [PK04]. **quantitative** [WLG⁺18]. **Quantized** [Ham91]. **Quantum** [DFC90, FBW⁺87, IKY⁺10, KVY⁺90, Liu90, SSSW91, ARPY19]. **Quarks** [BOD⁺91, BEH⁺90]. **Quartic** [uITH07]. **quasi** [YLL⁺14]. **quasi-diagonal** [YLL⁺14]. **Quasigeostrophic** [KM95]. **Quda** [JC12]. **Query** [SWG⁺03]. **Querying** [CHZ02]. **Questions** [PPS09, CGW19]. **Queuing** [Ish91]. **Quintessential** [HCC⁺22].

RA [AMC⁺18]. **Radar** [MPG93, SVBP13, ZCZ⁺13]. **radial** [EKF⁺19]. **Radio** [CBB⁺96, CLG13, VFJ⁺15]. **radiosity** [SABD13]. **Radiotherapy** [DCCS10]. **RaftLib** [BLC17]. **Raid** [Pla09]. **Raid-6** [Pla09]. **railway** [CGGC⁺16]. **RAJA** [VSW⁺22]. **random** [PNFC16]. **Randomly** [CYT⁺02]. **Range** [BBA87, MHW15]. **Ranger** [BWB⁺10]. **ranking** [AMC⁺18, DHL16]. **rapid** [JMM⁺21]. **Rare** [BB02]. **rate** [BBG⁺14]. **rational** [BBH⁺13]. **ratios** [HBKR21, UBK⁺23]. **ray** [EEL15, PS12, CDH⁺93]. **raycasting** [BH12]. **rays** [PS12]. **rCUDA** [PIR⁺20]. **re** [IGA24]. **re-assuring** [IGA24]. **Reaching** [CIWI17, PGK⁺24]. **Reacting** [LP10, MYC92, dFRD⁺23]. **Reaction** [Koi90, BG22]. **Reactions** [ASW91, Reu92, TWK87]. **Reactive** [PGTS10, AKC⁺19, LNR⁺24]. **Reactor** [FSS13]. **Read** [RWM17]. **Reading** [Ano02r, Ano02s]. **Ready** [Sim90]. **Real** [BE17, KK01, NRR97, ODD07, TAR⁺08, VR00, WLC91, Wri12, YIME19, BCH⁺23, EHTW21, HPW⁺16, MPB⁺22, MJGL13, WZHG17]. **Real-Time** [KK01, NRR97, VR00, Wri12, BE17, YIME19, BCH⁺23, MJGL13, WZHG17]. **real-world** [HPW⁺16]. **Realistic**

[BR03, LC06]. **realizations** [DEQO21]. **realized** [ABL⁺22]. **Reciprocating** [YK07]. **Recognition** [BE07, RES87, CdVL⁺18, SKS⁺13]. **Reconfigurable** [BCC⁺06, RRJ⁺20]. **Reconfiguration** [LK01, IMB⁺19]. **Reconstruction** [CSY10, FFR⁺10, BGM15, SSCF19, THH⁺13, VBVD22]. **Recovering** [OY22]. **Recovery** [BB02, BBH⁺13, HRW19, Sta19]. **rectangle** [Haj93]. **Recurrent** [SMW87]. **redatuning** [HLRK24]. **Redistribution** [DP05, JW06, RRV06, SS10]. **reduce** [APD⁺15, CGW19]. **Reduced** [BFL99]. **Reduced-Dimensionality** [BFL99]. **Reducing** [BLOR18, BGO20, CdVL⁺18, CSC19, DLY⁺98, JMC05, LM23]. **Reduction** [NRR97, ATL⁺15, FAB⁺21, FFZ⁺23]. **References** [Ano02p, Ano02q]. **refined** [PKC23, Sta19]. **Refinement** [BDL⁺07, HT04b, SR05, GDM⁺23, ZMG⁺21, dFRD⁺23]. **region** [SPNB14]. **region-based** [SPNB14]. **Regional** [KM95, CDG⁺14, MTW⁺22, WSCZ05]. **Regression** [VS03]. **related** [BQOS21]. **Relational** [MS09]. **Relative** [PUR94, VC89]. **Relativity** [RIF01]. **relaxation** [RDPK22]. **release** [ELEB21]. **Reliability** [TNLP13, BEK⁺18, IGA24]. **Remeshing** [LDGR03]. **Remote** [BB02, DP05, NTKP06, HGMW12]. **Remotely** [VLO⁺08]. **Renaming** [BPBL11]. **rendering** [BH12]. **repeatable** [NDMR20]. **Replication** [BCM⁺03, BCR⁺14, TGS⁺22]. **replication-transcription** [TGS⁺22]. **Report** [Buz89, Sal87]. **Representations** [AS00, WW92, CRS⁺19, DF18]. **Reproducibility** [Bai20, IVG⁺20, MEK⁺19, NDMR20, PBE⁺19, SLL⁺19]. **reproducible** [IGDQO19]. **Request** [DD06]. **required** [CdVL⁺18]. **Requirements** [LPJ98]. **Research** [Ano87a, Aus92, ABB⁺94, Bus87, Cap09, CDP⁺94, Don89, Duk91, IHMM87, KHK⁺09, Mar88a, Mir90, Pan97, SG09b, SKC10, TR92, BBW90, KT94, PBB⁺20, EM89, dS21]. **reservation** [GSA⁺19, Mat03]. **reservation-based** [GSA⁺19]. **Reservoir** [AWS01, Ewi88, KR94, KR95, PR95, ZC92, MS19]. **Resilience** [BBA⁺21, CGG⁺09, BCR⁺14, CBD⁺17, LFB⁺15]. **Resiliency** [AAA⁺22]. **Resilient** [BPR18, CGW19, KS05, RMS⁺18]. **Resolution** [DFS⁺05, HB90, MAB07, WOS08, Ano22a, CHW⁺15, DVW⁺12, NBE⁺22, TGS⁺22, WDH⁺15]. **resolutions** [TLdS22]. **resolved** [KBY⁺19]. **resolving** [LNK22]. **resonance** [JKBW18]. **Resource** [AAF⁺01, EW06, FBBC03, MFK09, Mat03, WPBB01, YB07, CDRV15, MRD⁺15, PIR⁺20]. **Resources** [QH08, ZSL⁺23]. **respiratory** [DCK⁺23, GGMJF⁺20, TGS⁺22]. **Response** [BBC⁺00, ZOF90, BCH⁺23]. **Restart** [SSB⁺05]. **restoration** [APD⁺15]. **Restrained** [CGB⁺94]. **Results** [BMR06, GNTLH97, Jea13, PUR94, WLVL⁺96, BRGR11, BSH⁺16]. **Rethinking** [KES⁺17]. **Retracted** [IMH⁺12]. **Retraction** [Ano24]. **Retrospective** [Mar88b]. **reuse** [JCK21, QAL⁺23]. **reveal** [ZBH⁺23]. **Reverse** [HHSM19, QHCC17, QAL⁺23]. **Reverse-mode** [HHSM19]. **Review** [Bus87, Con88, Mar88a, Nag89]. **Reviewers** [Ano20c]. **Reviews** [Don87, Mar87a, Mar87b, McR87]. **Revisited** [MS09, SZ11]. **RF** [HTWS08, YW93]. **ride** [VFJ⁺15]. **Ridge** [ABF⁺08, DGH⁺93, HGD91]. **Rigid** [Nak99]. **Rigid-Body-Based** [Nak99]. **Rings** [RRV06]. **RISC** [Gro03]. **RISC-Based** [Gro03]. **risk** [ABL⁺22, CNW⁺23]. **RNA** [SCB⁺95]. **road** [TDM⁺17]. **Roadmap** [THDC09, DBM⁺11]. **Rocks** [Pap11]. **Role**

[CLVYC⁺24, Pan97, Sab91, DMJS19]. **Role-shifting** [CLVYC⁺24]. **Roles** [MMS88]. **roll** [HRW19]. **roll-forward** [HRW19]. **Rolling** [FFNP97]. **room** [MSP⁺24]. **Roothaan** [MMDA19]. **rotors** [PLJD24]. **Routines** [CDQS04, GKR⁺22]. **Routing** [CHZ02, MOK00]. **RTX** [BLU⁺22]. **Run** [DLY⁺98, BDC21, LYL⁺16]. **Runge** [KR11, RR96, RDPK22]. **Running** [CNW⁺23, Fra05, MGB12]. **runs** [CdVL⁺18, SLL⁺19]. **Runtime** [AJL⁺97, BH00, Dar99, GGMJF⁺20, Kal09b, LS06, PG18, HI12, HI13, IH15, LRLG19, WKLW21]. **Runtime-compilation** [PG18].

S [Lai93, WOG95, LYL⁺16]. **S-3800** [WOG95]. **S-MP** [Lai93]. **SAM** [LNK22]. **SAMCEF** [GCD97]. **Sampling** [MR04]. **San** [Mai87]. **Santos** [BCP⁺20]. **SAR** [AAC⁺97]. **SARA** [SBWS99]. **SARS** [BGB⁺22, CDG⁺21, CNW⁺23, DCK⁺23, ZBH⁺23]. **SARS-CoV-2** [BGB⁺22, CNW⁺23, DCK⁺23, ZBH⁺23, CDG⁺21]. **Satellites** [BKS⁺07]. **saturation** [CIWI17]. **Saving** [TNBG07, SKSG19]. **Scala** [SFP02]. **Scalability** [BCYS11, DR06, FSC⁺11, FMR⁺20, GS05, HLW00, KC18, MWC⁺05, YIN⁺11, DAB⁺12, MW12, SPHW18, VIKM⁺22]. **Scalable** [CD06, CHZ02, DW97, DMT01, FKT01, HGMW12, IBC⁺10, JSSZ09, MCW⁺00, MS05, MAJJS03, SDJ17, SFP02, WLB92, ZLGS99, ZRÇ⁺06, dPiDA03, BG22, BCH⁺23, DEE⁺12, EKF⁺19, AAT⁺20, GEKO19, HLH⁺19, JMM⁺21, JBOT19, KHS⁺19, TDM⁺17, YB12, ZB20]. **Scalar** [Ish91, OCC⁺08, FU12, KS89]. **scalar-type** [FU12]. **Scale** [AS00, AK91, BDP01, Ber92, BBA87, BCC⁺06, CWHWP99, Ewi88, Fra05, GGS01, Gun00, GNB11, Her09, HLW00, HSLK11, Joh01, KMJ⁺23, Key09, KUE⁺00, LT88, LC06, MPS15, Mor89b, NKR90, Nak99, PS87, SD87, YRA⁺02, ZRÇ⁺06, dSSB⁺08, AAA⁺22, AMB⁺18, BAM⁺16, BLOR18, BEK⁺18, DCM⁺17, EM23, EEL15, FAB⁺21, FR22, GDKWS15, GMWG10, HIT⁺14, HYY⁺22, HRW19, IKMS⁺19, INS⁺20, JBOT19, LM03, LDW⁺12, LWL⁺23, MBHF15, MJD16, MRD⁺15, OLOF23, PDDI22, STP⁺13, SIC⁺19, VOL⁺14, YIME19, ZSL⁺23, ZKRA14, ZBH⁺23]. **scales** [BEW16, PBE⁺19]. **Scaling** [CGB⁺94, CK01, CLM⁺16, GHHS15, ZM07, GR17, INY⁺14, MKM⁺19, SKSG19]. **Scattering** [MBF⁺11]. **scene** [SABD13]. **Schedule** [SBWS99]. **Scheduler** [LS06, TR17]. **Scheduling** [ATN⁺00, BKRSR09, BPK⁺07, BR03, BBH⁺06, CJ06, CCRV20, CKPD99, CBL06, DLG06, Eyr06, JW06, JPV23, KCC⁺06, LJC⁺10, MYCR06, SG07, TR17, WvNM⁺06, ABD⁺18, ABG⁺19, BPR18, CSC24, GSA⁺19, HLC⁺19, HPA⁺22, Jon12, LQJG16, Mat03, ML20, OPW⁺12, WHGT22]. **schema** [ICPSG18]. **Scheme** [BG00, GS05, DMSMG18, IKMS⁺19, KPR17, KHS⁺19]. **Schemes** [BS88, BSS15, BBMB19, SZC12]. **Schrödinger** [BFLL99, IKY⁺10]. **Schwarz** [GKMT00, MK24, NCA21, PR95]. **SCIARA** [SDF⁺17]. **SCIARA-fv3** [SDF⁺17]. **Science** [All88, Blo87, CD97, CDH⁺97b, Don89, Duk91, GKN⁺96, GL09, HBSM03, HT04a, HWP03, Joh01, Mai87, Mer87, Nas92, RS88, Sab91, Web91, WWA⁺11, ADMP18, ACF⁺11, CMS⁺11, PB23, SKP⁺22, ZSL⁺23]. **Sciences** [NKR90, DGH⁺93]. **Scientific** [AS00, BAA⁺06, BBA87, BJK07, DT99, DT11, DT17, Fol90a, Gaf88, GL97, HME90, Hab90, HLP⁺03, JLL04, JMC05, KPM⁺96, KWB06, LS90, Mar87a, OCC⁺08, Sal87, SE92, vLRA⁺03, ASHH16, CMS⁺11, CDL⁺19, CBD⁺17, DPA⁺18, DMJS19, DMQS12, DT19, DT23, DCD⁺13, DAC⁺14, EKD⁺12, FKA⁺17, GSND20, IMB⁺19, JRP⁺23, LWT⁺11, MGB12, PBB⁺20, PBE⁺19, SIC⁺19, TM23, TDG⁺19,

UBK⁺23]. **sclerosis** [SKS⁺13]. **scope** [SK20]. **screening** [ICPSG18, ILCLG20, LWL⁺23, MSPSI15]. **SE** [DEE⁺12, KJH96]. **Sea** [LPJ98, CDG⁺14]. **Search** [VDB04, CSC19, FTB13, PFGDM20, RRJ⁺20]. **Search-Based** [VDB04, FTB13]. **Searches** [FBBC03]. **Second** [uITH07]. **Second-Order** [uITH07]. **Secondary** [SCB⁺95]. **sectioning** [KPR17]. **Seeing** [LPG88]. **Seeking** [Bar09]. **Segmentation** [Kal09a]. **Seismic** [CDH⁺97b, OWO98, ZRÇ⁺06, HLRK24, QHCC17, SFLC18, TAM⁺16]. **Select** [KKDV03, JPV23]. **Selected** [DT11, OL05]. **Selecting** [DEQO21]. **Selection** [CY08, DTD14, LTPK17]. **Selective** [RES87]. **selector** [dRADS⁺18a]. **Self** [BGF02, CBL06, DE03, FWSW02, GHZ10, NC18]. **self-** [NC18]. **Self-Adapting** [DE03]. **Self-Organization** [FWSW02]. **Self-Organized** [BGF02]. **Self-Organizing** [CBL06, GHZ10]. **Semantic** [FP02]. **Semantics** [FGC⁺05]. **Semi** [EM23, KRR19, MBHF15]. **Semi-Lagrangian** [EM23, KRR19]. **semi-synchronised** [MBHF15]. **Semiconductor** [FWZ91, PHC⁺10, Lai93, Rad18, TSKS88]. **Semiconductors** [Cla91]. **Sensed** [VLO⁺08]. **Sensor** [AKP08, BB02, BGF02, CYT⁺02, CHZ02, FP02, JMP02, QWIC02, STP⁺13]. **Sensors** [FWSW02]. **separated** [CvG11]. **September** [OL05]. **Sequence** [Jon92, MP18]. **sequences** [HLK⁺23, LD24]. **sequencing** [MBC⁺18]. **Sequential** [WG07, CDL20]. **Serial** [NK89, NKR90, GKR⁺22]. **Series** [ACD07, Mar88a]. **Server** [CD97, DD06]. **Servers** [CD06]. **Service** [HLP⁺03, Hua03, Mat03, WHL03]. **Service-based** [HLP⁺03]. **Service-Oriented** [Hua03]. **Services** [AEG⁺03, CBA⁺18, ECG⁺13, ZKRA14]. **Sesam** [BBA87]. **Set** [JLL04, PTGB02]. **sets** [CDL⁺19, LGDH16]. **Severe** [WJS⁺90, TGS⁺22]. **shallow** [EKF⁺19, EAG⁺19, LVA⁺13, MYG23]. **shallow-water** [EAG⁺19, MYG23]. **Shape** [WCDS99]. **Shared** [AH93, BMWD87, Bri10, BEF⁺95, CDT05, CWG09, Gir02, HC10, LRT07, MWAR⁺87, NPT⁺06, WG07, ZC92, BH12, DEKV92, KDO16, SB19, THDS19]. **Shared-Memory** [AH93, CWG09, BH12, DEKV92, SB19]. **shared/distributed** [THDS19]. **sheet** [WCS⁺23]. **Shelf** [LPJ98]. **shifting** [CLVYC⁺24]. **SHMEM** [BBDH14]. **Should** [Pan92]. **shuffle** [HPW⁺16]. **shutdown** [BLOR18]. **Side** [HTSK90, kLCCW07]. **Sided** [GFD05, LRT07, TGT05]. **Sidney** [Mar91]. **Sieves** [CH94, Mon89]. **Signal** [FP02, PMS⁺04]. **Signals** [Arn07]. **Silent** [BSS15]. **silico** [MSPSI15]. **silicon** [HXW⁺13]. **similarity** [LFB⁺15]. **Simple** [Kal09b, SC04b, SBWS99]. **Simulate** [BMT89, GMWG10]. **simulated** [KKL⁺19]. **Simulating** [BEH⁺90, Din91, Haj93, VMPW20]. **Simulation** [AWS01, ABF⁺99, BDP01, BHdR09, BFN07, CK01, Cla91, CB95, CM97, DCCS10, DZDR95, Ewi88, FFNP97, GCL93, GP93, HTSK90, IKY⁺10, Koi90, KR94, KR95, LP10, LWL05, LC06, MKG90, Nak99, PPK09, PR95, PS87, PHC⁺10, Reu92, RKKC90, TWK87, WBG06, WBM90, ASAK19, Ano22a, ARPY19, BLU⁺22, BHZ⁺23, BG22, BSW⁺14, CHW⁺15, CNW⁺23, DAC⁺14, EM23, HCC⁺22, HLH⁺19, HYY⁺22, HXW⁺13, IKMS⁺19, JKD⁺11, JRT16, KDO16, KDH18, LPB⁺16, MTW⁺22, MS19, NBE⁺22, STS17, TSH⁺19, TAM⁺16, TBB⁺22, Udd17, VOL⁺14, WET⁺19, WH20, WSD⁺14, YIME19, ZB20]. **Simulation-Based** [PPK09]. **Simulations** [ABAS87, BG00, BYT91, BRT⁺92, CBSB01,

CBB⁺04, CH94, DLY⁺98, DFMD94, FSS13, GGS01, Ham91, HKK88, HSLK11, HZ91, KDH11, KT99, KWB06, MD99, MHS11, NKiN⁺08, PGTS10, PK04, RTRG⁺07, SSSW91, SKP⁺22, THC⁺96, AAA⁺22, AKC⁺19, AKW19, BEW16, CCO⁺19, CGST19, CDG⁺21, CMN12, CHWS20, DFT⁺15, FIMU19, FT19, GGMJF⁺20, HBKR21, HPW⁺16, HPS⁺22, IMW⁺13, IGBBR23, IJB22, JBOT19, KFJ20, KMJ⁺23, KMW⁺13, KBY⁺19, KHS⁺19, LVA⁺13, MBT⁺24, MFP⁺17, MAF⁺22, PPC⁺16, PMP⁺20, Rad18, RAB⁺15, THDS19, TGS⁺22, YWL⁺14]. **Simulator** [BCM⁺03, CGGC⁺16, MSP⁺24, VSS⁺13, IKY⁺10]. **simulators** [AHB⁺16]. **Simultaneous** [ABAS87, DTL⁺21, TNLP13]. **Single** [BCJ01, OY22, TR17]. **Singular** [Ber92]. **situ** [AGHR19, ARPY19, BCLP17, CAA⁺20, MFB⁺19, PDDI22, PBB⁺20]. **situation** [GCSK13]. **Six** [WOG95, KRR19]. **six-dimensional** [KRR19]. **SKA** [VFJ⁺15]. **skeletonisation** [BE17]. **Skeletonization** [DIB00]. **Skewers** [HC08]. **skinny** [EHTW21]. **SLA** [QH08]. **Slouching** [Lus09a]. **small** [JMM⁺21, PUR94, WZH⁺20]. **Smart** [MBF⁺11, Gro03]. **sMC** [KPST18]. **Smith** [RGB⁺18]. **Smoothed** [PGTS10, HF24]. **SOA** [DCL⁺08]. **SOA-Based** [DCL⁺08]. **Social** [NKR90, KTWL18]. **Sodium** [DQFW90]. **Soft** [AG18, GHHS15, RMS⁺18, YZC⁺15]. **Software** [ADMP18, Ano87c, Ano87f, BV11, BCC⁺01, BFNV07, CDP⁺94, Dar99, DW97, DE03, DBA⁺09, DBM⁺11, DGP⁺97, DJC05, Fol90a, GCD97, GKMT00, Her09, KS09b, LRO10, LQJG16, LDB⁺06, MM90, PPS09, PA11, PK04, SG09b, AGK⁺23, CYZ⁺20, CSC19, DTL19, ESD⁺22, GSND20, JDAD19, JdSA⁺17, JC12, KNPS21]. **Software-defined** [ADMP18, AGK⁺23, JDAD19]. **Soil** [CWHP99, MTW⁺22]. **soil-structure** [MTW⁺22]. **Solaris** [Ano01a]. **Solid** [DQFW90, SK92]. **Solidification** [MWC⁺05, SHK⁺18]. **Solution** [BHK⁺88, BDL⁺07, CGB⁺94, MR90, PRT90, RS03, uITH07, TMMR10, CSGM17, CCBS11, CvG11, CMN12, ESW⁺12, MEK⁺19, RDG12]. **Solutions** [Fro91, WD19, WD24]. **Solve** [BCCL09, CDH⁺93, CDL20]. **Solved** [CSV91]. **Solver** [BGG05, BH99, CM97, HR97, KDL01, Mav02, PR95, AKP⁺18, AFL⁺18, BSW⁺14, CDL20, CHT⁺19, EKF⁺19, ESW⁺12, HHSM19, KTP⁺24, KC18, KRR19, KDH18, MV20, OGM⁺16, RMV⁺19, RWM17, SO23, YJZN22, ZZG⁺14, dFRD⁺23]. **Solvers** [DR06, GGS01, Key09, KR11, ATL⁺15, EAG⁺19, FMR⁺20, IGA24, MSHPV18, MSKM21, NCA21, RTRZ22, WKLW21]. **solves** [SZ11]. **Solving** [BS88, BEF⁺95, CD97, HT04b, IJ93, KS89, Kum89, Man97, NZ93, SBF90, WT99, Ade21, ALE⁺20, MY24, ML20]. **Some** [Gir02, PPS09]. **Sometimes** [RAGW93]. **Sonic** [WW92]. **Sorting** [Arn07, BSK14]. **sound** [MJGL13]. **Source** [CYT⁺02, BSW⁺14, MJGL13]. **sources** [PBB⁺20]. **Sowing** [GL97]. **Space** [FBBC03, JSSZ09, MHW15, ODD07, SBG10, DTL⁺21, FU12, HLW⁺16, MPD⁺12]. **space-aware** [HLW⁺16]. **space-parallelism** [DTL⁺21]. **Spaceborne** [SKB01]. **SPAI** [BBS99, Ma00]. **spanning** [dAVCM⁺19]. **spare** [HYH⁺20]. **Spark** [KWEF18]. **Sparse** [AD93, Ano02a, AGL⁺87, BJWS20, Ber92, BELF07, Cho01, GG11, HR97, IYV04, KC92a, KC92b, MC90, Ma00, Man97, MCG04, SZ11, SCFK04, UF89, WT99, ASHH16, ATD17, BDC21, CvG11, GG14, GGO16, MSHPV18, ML20, MGFP20, SCR11, TQOA23, WWC⁺24]. **Sparsity** [Cho01, IYV04]. **spatial** [FFZ⁺23, SPHW18, WDH⁺15]. **Spatially** [WBG06]. **Spatially-Explicit** [WBG06].

spatio [STP⁺13]. **spatio-temporal** [STP⁺13]. **spawning** [MÁAC⁺24]. **Special** [Ano22b, BV11, BM13, BH17, BQOS21, BE18, Cec20, CKE08, DT97, DT99, DT06, DT13, DT17, DT19, DT23, HdV18, KM20, MPI98, Mas19, MFB⁺19, ME14, Nag93, OV13, Par23, PA11, WH20, WD19, WD21, WD24, Yel04, dS21, SDS12]. **Special-Purpose** [CKE08]. **specialization** [CBM13]. **specialized** [EB23]. **Species** [BB02]. **Specific** [BH06, CDH⁺97b, PHF21]. **Spectral** [BG00, CB95, DFS⁺05, FSN08, Tho90, DEE⁺12, EAG⁺19, MGS⁺15, WZH⁺20, ZB20]. **Speed** [Ano87d, BAM⁺16, Mar87a]. **Spherical** [KMPJ08]. **spike** [CDG⁺21]. **spiking** [VDF⁺23]. **Spiral** [PMS⁺04]. **Spline** [Fro91]. **Splines** [uITH07]. **Splitting** [IS96]. **Plotch** [DGRK17]. **SpMV** [BJWS20, DEQO21]. **Sponsored** [Sal87]. **Spotlight** [MPG93]. **Spread** [GKB93]. **SRP** [MJGL13]. **SSOR** [Ma00]. **Stability** [ACG⁺90, BE07, FWZ91, KdOCR⁺20]. **stabilized** [IGA24]. **Stacking** [BBR10]. **Standard** [Ano94b, Don02a, Don02b, MPI98, MSKM21, THH⁺13, Poz97]. **Standards** [Pan92]. **Stanimire** [Ano24]. **StarPU** [HGWN14]. **stars** [HLH⁺19]. **StarSs** [PBAL09]. **State** [CBV97, DKMT18, KNPS21, MYCR06, WLC91]. **State-of-art** [KNPS21]. **Static** [BLRR01, BR03, dRADS⁺18b, QSX⁺20, SCB14, TR17]. **Stationary** [SCFK04]. **Statistical** [EGMP93, EJD⁺19, FWSW02, Her88, MR04, NRR97, VDB04, ZM07, UBK⁺23]. **Status** [MB87]. **Steady** [MYCR06]. **Steady-State** [MYCR06]. **Steering** [GKP97, KWB06, VR00]. **Stefan** [CSV91]. **stellar** [HCC⁺22]. **Stencil** [HCCG20, APD⁺15, PHF21, WKLW19, YFS⁺14]. **stencil-based** [WKLW19]. **stencil-reduce** [APD⁺15]. **stencils** [SB19]. **step** [BGO20]. **stepping** [BSS15]. **Stiff** [BCCL09]. **Stochastic** [AK93, ABAS87, LP10, NZ93, CCRV20]. **Stokes** [Mav02, SBF90, ZZG⁺14]. **Storage** [KR11, GG14]. **store** [KV19, KES⁺17]. **Storm** [WJS⁺90]. **Strategies** [BCM⁺03, FBBC03, GWKN08, MOK00, WPBB01, EMP⁺18, HCCG20, MRD⁺15, OPW⁺12, SCD⁺19, SIC⁺19, SDF⁺17, SKSG19]. **Strategy** [JPV23, MCW⁺00, SVN09]. **stratified** [AMC⁺18]. **stream** [BLC17, DKMT18, LBB17]. **streamed** [GG14]. **streaming** [BRGR11, MAB⁺13]. **stresses** [PLJD24]. **Strong** [MKM⁺19, INY⁺14]. **strongly** [ZZG⁺14]. **Structural** [YCHH90, MJD16, PUR94]. **Structure** [BH06, CGB⁺94, CBL10, CSY10, FWZ91, Jon92, KT99, Liu90, SCB⁺95, SYF96, TMW⁺99, HTD⁺14, HIT⁺14, HLK⁺23, KC18, LDLD19, LD24, MTW⁺22, SKE⁺23]. **Structure-Specific** [BH06]. **Structured** [LDGR03, Ma00, SR05, WBG06, Ytt97, GDM⁺23, LNR⁺24, RV15, ZMG⁺21]. **Structures** [BHK⁺88, DFC90, FFR⁺10, GCL93, GG11, HB90, HA91, JP93, DSH⁺16, EMP⁺18, JKBW18]. **Studies** [CHT⁺19, CBW95, DQFW90, HOPB92, HE01, LS06, SABK94, BCYS11, GDKWS15, LDLD19, SSR⁺14, PB19]. **Study** [ASW91, BF01, CDH⁺97b, DJJ⁺19, GLGLB⁺11, GL97, HL10, HLS⁺17, JW06, KKCB98, KR94, KR95, LC90, MMD98, PPK⁺04, Sci92, TXD⁺07, WGI90, WLB92, WJS⁺90, WW92, BSW⁺14, BDFVP15, CGGC⁺16, CMS⁺11, DTL19, IFA15, IMB⁺19, IGBBR23, KC18, LFB⁺15, MBvdG13, MCR⁺17, OF17, RTRZ22, RRJ⁺20, SMK⁺20, TKA⁺17, THC⁺11, WZH⁺20, YWL⁺14]. **Studying** [BCM⁺03, BOD⁺91, VIKM⁺22]. **subband** [VSS⁺13]. **subcellular** [CHW⁺15]. **Subdomains** [FG97, SO23]. **Subgrid** [GS05]. **Subprograms** [Don02a, Don02b]. **Subroutines** [KJH96, JO92]. **Subsetting** [ZRÇ⁺06, AMC⁺18]. **substitution**

[DTDP14]. **substructures** [SCR11]. **successful** [CBA⁺18]. **Suggestions** [Ano02r, Ano02s]. **suite** [WHGT22]. **Summary** [Moh09, Sal87]. **Summations** [NDMR20]. **Summit** [Ano22a, NBE⁺22]. **Sunway** [WZH⁺20]. **Supercluster** [HBC⁺08]. **Supercomputer** [ATD⁺88, Ano87b, Ano91b, Ano91a, Ano92g, Ano92e, Ano92f, Ano93a, Ano94a, Ano94c, Ano95b, Ano95a, Ano96a, Ano97b, Ano97c, Ano97a, BBW90, CL95, CLP⁺99, Con88, MKG90, Mai87, McN89, MM90, MA89, Mir90, Mor89a, MR90, Nas92, Sci92, SB04, Web91, WOG95, AGK⁺23, Ano22a, BHZ⁺23, BCP⁺20, Bra91, FU12, KMH⁺14, NBE⁺22, SDI⁺19, Duk91, MAB07, Mar88a]. **Supercomputing** [OCC⁺08]. **Supercomputers** [Ald89, ABF⁺99, AGL⁺87, Bai88, BSBF89, BCK⁺89, BWB⁺10, BYT91, Bro88, CDD⁺90, BDM87, Gen88, Mar89a, McN89, MG87, NKiN⁺08, YM91, ZC92, DCD⁺13, EM23, HI12, HI13, IH15, PH91, SLL⁺19, WET⁺19, ZBMK11, Gen88, Bus87, Mar87b]. **Supercomputing** [All88, Blo87, DFP⁺96, EM89, Eri88, Gan88, GKN⁺96, LC90, Mar89b, McN87, MMS88, Nas92, NBB⁺96, Nun87, RS88, SABK94, Aus92, BBB⁺91b, Bra91, BBW90, KT94, MP95, TR92, All88]. **Superconductors** [JP93]. **Supersonic** [MYC92]. **supervised** [HGWN14]. **Supplemented** [SBBS06]. **Support** [BBG⁺10, BV11, BCC⁺01, CBB⁺04, CFK⁺94, Dar99, Gro03, YSP⁺05, BCH⁺23, RMV⁺19, SKZ⁺18]. **Supporting** [ZRQ⁺06]. **SUPRENUM** [MST88]. **surface** [BCYS11, MCR⁺17]. **surfaces** [DF18]. **surpassing** [OY22]. **Survey** [BBT23, AAB⁺21a, ESD⁺22, GR17, JdSA⁺17]. **survive** [GGMJF⁺20]. **Sustained** [MSK92, TAR⁺08]. **SVD** [NS21, TQOA23]. **Swapping** [SC04b]. **swarm** [ABH⁺18]. **SwinDeW** [LJC⁺10]. **SwinDeW-C** [LJC⁺10]. **SWIRL** [VRB⁺19]. **SX** [LT90, Mor89a]. **SX-2** [LT90, Mor89a]. **Symbolic** [Jea13]. **Symmetric** [BGG05, Gir02]. **Symposium** [Mar88a]. **synchronised** [MBHF15]. **Synchronization** [TGT05, SPNB14]. **Synchronous** [DGP⁺97, Jon12, WDW⁺12]. **syndrome** [TGS⁺22]. **syntax** [JO92]. **Synthesis** [CBB⁺96, Kep04a, Wri12]. **Synthetic** [MPG93, SVBP13, ZCZ⁺13]. **System** [AM00, BGI⁺99, BCJ01, CL95, CLF87, CTD⁺05, CJK⁺05, DVW⁺12, DJC05, ESW⁺12, GHM⁺10, GS99, GHZ10, GNB11, HLP⁺03, JLO05, JLL04, LDB⁺06, MWM⁺08, MST88, SSB⁺05, SG09a, uITH07, SBG10, SFP02, WLVL⁺96, CVJ12, DEL⁺12, HLW⁺16, IBC⁺10, JC12, LDW⁺12, MEK⁺19, ML20, SKS⁺13, SH93, TNLP13, DCCS10, EDSV06, GCCC⁺03, MHW15, SM06, WSCZ05]. **System-Initiated** [SSB⁺05]. **Systems** [ATN⁺00, AGL⁺87, BGG05, BCCL09, BV11, BS88, BHdR09, BSCC03, BRT⁺92, BDL⁺07, CJ06, Cap09, CW01, CY08, CBW95, Dar00, Del93, DFH⁺96, GJMS88, GNB11, Her09, HT04b, Kal09b, KK01, KR11, LP10, MC90, Ma00, Man97, MCW⁺00, MR04, NKP⁺00, Sim90, SDA⁺01, SKB01, VC89, WT99, YRA⁺02, de 89, dPidA03, ABD⁺18, BG22, BLOR18, BBMB19, BCR⁺14, BAP⁺12, CSGM17, CAE⁺13, CAA⁺20, CvG11, DHL16, FU12, GCSK13, GBB18, HI12, HI13, IFA15, IH15, IK18, KTWL18, Kum89, LSES20, LST15, LRLG19, LWT⁺11, LVA⁺13, LH19, MY24, OPW⁺12, RV15, RDG12, SCD⁺19, TKA⁺17, WD19, WD24, YB12, ZWS21]. **T3D** [ABF⁺99]. **T3E** [BBS99, Ma00, SBBS06]. **Tables** [vLRA⁺03]. **TaihuLight** [WZH⁺20]. **tailored** [FTB13]. **tale** [Hea15]. **tall** [EHTW21]. **Target** [BG02]. **targetDP** [GS18]. **Task** [BR03, CKPD99, CFK⁺94, CCBL18, PDDI22, PBAL09, CDL20, CHT⁺19, EDB19, ELEB21, MBHF15, ML20,

OPW⁺12, RSCC⁺24, SMZ⁺18].

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