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The International Journal of High Performance Computing Applications

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

Tel: +1 801 581 5254

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

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Title word cross-reference

<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]. $\mathbf{CH} + \mathbf{H}_2 \rightleftharpoons \mathbf{CH}_3^* \rightleftharpoons \mathbf{CH}_2 + \mathbf{H}$ [ASW91]. \mathbf{CuO}_2 [SSSW91]. ILU [SZ11]. k</p>	<p>[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]. -matrix [YIYD19]. -ULV [MY24].</p>
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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** [CNR+24, GLZS14]. **Accelerated** [ELEB21, FFZ+23, ABC+24, AWWG19, BLU+22, CSGM17, CMMW23, CGBL25, 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 [LCT+24, 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, LCT+24, 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,

PALG+25, 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** [ZRÇ⁺06, AMC⁺18, WVVL⁺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, GAA⁺25, 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, RPdB⁺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]. **ALPINE** [AAA⁺25]. **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** [MZA⁺24, ZMG⁺21]. **analogs** [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, WFBF04, YRA⁺02, ZRÇ⁺06, AAB⁺24a, AAA⁺25, 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, AAB^{+24a}, 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, BDE⁺²⁵, BRGR11, BPR18, BSW⁺¹⁴, BEK⁺¹⁸, BGB⁺¹⁸, BHC⁺²⁵, BTZ⁺²⁵, BGI⁺²⁵, BG11, CSS24, CDRV15, CSC24, CRS⁺¹⁹, CBD⁺¹⁷, CNR⁺²⁴, DAB⁺¹², DMQS12]. **applications** [ECG⁺¹³, EJD⁺¹⁹, GCSK13, HGWN14, IMB⁺¹⁹, JRT16, KPR17, LRG⁺¹⁶, Lap22, LSES20, LWT⁺¹¹, LCD⁺²⁴, MGB12, MFB⁺¹⁹, MCR⁺¹⁷, MDH⁺¹⁸, MCU⁺¹³, MBF⁺²¹, PH91, PNFC16, PALG⁺²⁵, 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, ZKS⁺²⁴, 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]. **ArborX** [PALG⁺²⁵].

Architectural [Gro03, TXD⁺⁰⁷].

Architecture

[BAA⁺⁰⁶, Hua03, HWP03, Ish91, KBA00,

KFM⁺¹⁰, SC04b, BHZ⁺²³, BHC⁺²⁵,

HCCG20, MMDA19, RHK21, VDF⁺²³].

Architectures

[BFLL99, GD09, HD05, HdV18, HLW00,

HSLK11, MS02, RW03, RS03, SSQ08,

ABC⁺²⁴, 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, LHD⁺²⁵].

Arrays

[HC08, NPT⁺⁰⁶, CBD⁺¹⁷, DFT⁺¹⁵, Wal18].

Arrival [Wit92]. **art** [KNPS21]. **Artificial**

[Ano87d, WPHS⁺²⁵, 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]. **autotune** [WTL⁺25]. **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, BHC⁺25, 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, LCT⁺24]. **Batched** [BHL⁺24, HDL⁺15, Ano24]. **Bay** [WLVL⁺96]. **Bayesian** [KPST18, LCD⁺24]. **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, MZA⁺24]. **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** [ABC⁺24, BG11, DD89, DD91, RSCC⁺24, Ano02h, Ano02k, Ano02b, Ano02a]. **Blast** [Don02a, Don02b]. **Block** [Arn07, BS88, ZMG⁺21, CGBL25, DEKV92, GDM⁺23, LAZ⁺24, MC21, RV15]. **Block-Sorting** [Arn07]. **Block-structured** [ZMG⁺21, GDM⁺23, LAZ⁺24, 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]. **Bricks** [LAZ⁺24]. **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, DLVL⁺24, LJC⁺10, LNK22, MYG23, Poz97, TDM⁺17]. **C-grid** [MYG23]. **C/C** [DLVL⁺24]. **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, TKS88]. **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** [AAA⁺25, 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** [WLVL⁺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** [lSD89]. **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]. **Clacc** [DLVL⁺²⁴]. **Clang** [DLVL⁺²⁴]. **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]. **Colmena** [WPHS⁺25]. **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, BGI⁺25, 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, LHD⁺25]. **compressible** [HSM19, dFRD⁺23]. **Compression** [Arn07, DLY⁺98, DF08, FSC⁺11, CGGC⁺16, CCO⁺19, CDL⁺19, CGBL25, 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, LAZ⁺24, LHD⁺25, 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, CWHP99, CNR⁺24, DF18, Dar00, Dem90, Don89, DT99, DMT01, DT11, DT17, DCL⁺08, Ede93, 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]. **computing** [DAC⁺14, 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, MZA⁺24, 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, WV⁺16]. **cross-bundle** [WV⁺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, LCT⁺24, 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-dependent** [LCT⁺24]. **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]. **Deadlock-free** [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]. **Delivering** [BTZ⁺25]. **delta** [DCK⁺23]. **Demand** [EW06, dPIdA03]. **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, LCT⁺24]. **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, BHL⁺24, BG11, DTL19, FAB⁺21, Ger21, JMM⁺21, UZM⁺14, UCZ⁺15, AAB⁺21c, Mar87a]. **designed** [CNR⁺24]. **Designing** [RWM17, SWHP05, SKS⁺13, ZWS21, ZRG⁺24]. **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, BDE⁺25, KS89, RMS⁺18].
diffraction [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, BHL⁺24, CGBL25, 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, DMSMG18, 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, OMDS23, QWIC02, Rao02, RBMF87, SWG⁺03, SPNB14, YIYD19, YRA⁺02, ZRÇ⁺06, dPIdA03, ABH⁺18, CBD⁺17, EDB19, GEKO19, IGBBR23, JRT16, JO92, RCAE⁺20, THDS19, VMPW20].
Distributed-Memory [MCW⁺00, YIYD19]. **Distributing** [CBSB01]. **Distribution** [TCW06, TC10, QSX⁺20]. **Distributions** [DZ07]. **diverse** [ABC⁺24, AGK⁺23, PBB⁺20]. **Divide** [Cza03]. **Divide-and-Conquer** [Cza03].
dividends [DTL19]. **Divisible** [DLG06, MYCR06]. **Division** [Bus87, Don89]. **DNA** [DTPD14, 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, KVV⁺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]. **ECP** [AAA⁺25, BHC⁺25, BGI⁺25, HMA⁺24]. **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, Haj93]. **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, LR09, LRO10, LP10, MG87, MFP⁺17, OWO98, SC04a, TD08, YZZW21, BBMB19, BTZ⁺25, DBD⁺23, HBKR21, KV19, KKB⁺21, LNSMMA15, MMDA19, Ozs16, RMV⁺19, SDI⁺19, TKA⁺17, Wal18]. **EFFIS** [SKP⁺22]. **eigen** [LCT⁺24]. **eigen-basis** [LCT⁺24]. **eigen-spectrum** [LCT⁺24]. **eigensolver** [HTD⁺14, VIKM⁺22]. **Eigenvalue** [HS93, Tis97, UF89, LCT⁺24]. **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** [AAB⁺24b, 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, WPHS⁺25]. **emulation** [BAP⁺12, LST15]. **Enabled** [CD06, CD97, CBB⁺04, DD06, MWM⁺08, Ano22a, DSH⁺16, DCK⁺23, LDLD19, NBE⁺22]. **Enabling**

[ABC⁺24, 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, ZKS⁺24].

Enhancing [FSC⁺11, HLW⁺16, KSM23, VLLGT⁺24, VIKM⁺22, Akb24]. **Ensemble** [BBR10, FR22, HLNW25, PB23, VSS⁺13].

ensemble-based [FR22]. **Entity** [BGF02].

Entropy [CBW95]. **entry** [CSGM17].

Environment [AAF⁺01, CCH⁺88, DD91, DL97, DLB07, GL97, MM90, dPiDA03, 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 [BFLL99, BEF⁺95, Fro91, IKY⁺10, Key09, ALE⁺20, EKF⁺19, KRR19].

Equation-Based [Key09]. **Equations** [Meu88, SBF90, SMW87, BDE⁺25, KS89, RMS⁺18, ZZG⁺14]. **Equilibration** [NKR90]. **Equilibrium** [JP93, NK89].

equipped [EM23]. **equivalent** [GKR⁺22].

Era [BM13, ME14, BTZ⁺25, 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, BHL⁺24, 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, GAA⁺25, 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, ABC⁺24, AAB⁺21b, AAB⁺24a, AAA⁺25, BDE⁺25, BBB⁺24, BCR⁺14, BTZ⁺25, BGI⁺25, KFM⁺21, MEK⁺19, MBT⁺24, MBF⁺21, MAB⁺24, MAF⁺22, MZA⁺24, PALG⁺25, SKE⁺23, SWA⁺14, UCZ⁺15, VFJ⁺15, WPHS⁺25, YB12, ZKS⁺24, CNR⁺24, 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]. **extensions** [ZRG⁺24]. **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]. **facilities** [ZKS⁺24].

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, TSKK88, 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, AAB^{+24b}, 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]. **flexibility** [BHC⁺²⁵]. **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** [KMH⁺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, LLD19, 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]. **Ginkgo** [CNR⁺24]. **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, ZKS⁺24]. **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** [ABC⁺24, 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, CGBL25, 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, LAZ⁺²⁴, 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]. **HDF5** [BTZ⁺²⁵]. **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, HLNW25, 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, IGDQO19, PBAL09, SG09a, WT99, DSH⁺¹⁶, GBB18, HPA⁺²², LSLR⁺²⁰, MJD16, Wal18, ZBMK11]. **hierarchies** [BGI⁺²⁵]. **Hierarchy** [HL10, YK04]. **High** [AAB^{+24b}, Ano87d, 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]. **high** [BBA⁺²¹, 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, LAZ⁺²⁴, 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, AAB^{+24b}, 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, LAZ⁺²⁴, 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, AAA⁺²⁵, BG02, CHZ02]. **hole** [HLZ⁺²⁰]. **HOMME** [CAE⁺¹³, DDKK19]. **homogeneous** [IMW⁺¹³]. **Homotopy** [DZRS99]. **HONPAS** [QSX⁺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]. **HPCToolkit** [AAB^{+24a}]. **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, BHC⁺²⁵, CAE⁺¹³, GHL15, GGO16, HTD⁺¹⁴, HLW⁺¹⁶, IVG⁺²⁰, LYL⁺¹⁶, NOM⁺¹⁹, NMAE13, QSX⁺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, BTZ⁺²⁵, 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, WBM90]. **Increasing** [CLVYC⁺²⁴, PHC⁺¹⁰, WW92]. **Independent** [BRU05, BDE⁺²⁵, CCRV20]. **Index** [Ano96b, Ano97d, Ano98b, Ano99, Ano00, Ano01b, Ano02n, Ano02l, Ano02m, HC08, BE07]. **INDIANA** [OMDS23]. **induction** [JCK21]. **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, AAA⁺²⁵]. **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, OOO24].

Integrate [BFLL99]. **Integrated** [CFK⁺94, GLZS14, MHW15, WBG06, FT19, PLJD24]. **Integrating** [TGS⁺22, WTL⁺25]. **Integration** [ACD07, QWIC02, BTRZ⁺19]. **Integrative** [KHK⁺09]. **integrators** [BDE⁺25]. **Intel** [GLZS14, HGD91, HLS⁺17, KLJ87, KR94, KR95, LSES20, SB19]. **Intelligence** [Ano87d, WPHS⁺25]. **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, ZRG⁺24]. **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, BMWD87, 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, VLLGT⁺24].
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].
LAPACK [ABC⁺24]. **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, CWHP99, 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** [WVA⁺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]. **layer** [LAZ⁺24]. **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]. **libEnsemble** [HLNW25, WTL⁺25]. **Liber8Tion** [Pla09].
Libraries [DMT01, GFD05, LDB⁺06, PBD⁺01, PMS⁺04, HMA⁺24, PH19].
Library [BK07, CE00, MA15, BLC17, BBB⁺24, CNR⁺24, DWT⁺19, DEL⁺12, GAA⁺25, 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, GAA⁺25, 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, MZA⁺24]. **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, CGBL25, 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].

m [MAB⁺24]. **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** [ABC⁺24, AAT⁺20, NTD10]. **magnetic** [JKBW18]. **Magnetically** [ACG⁺90]. **Magnetohydrodynamic** [ACG⁺90, FU12]. **mainstream** [BHK⁺13]. **Major** [GL09]. **makes** [SDI⁺19]. **Making** [BPBL11, Dee10, GWKN08, MAB⁺24, 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** [BGI⁺25, Spr06, TGP19]. **manufacturing** [TBB⁺22]. **Many** [GLZS14, TMWS91, AKC⁺19, BDE⁺25, 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** [IJ93]. **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, KVY⁺⁹⁰, Nak99, WLC91, ZOF90, MPD⁺¹², PHF21, VDF⁺²³, ZSL⁺²³]. **math** [CNR⁺²⁴]. **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, OOOY24, 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, BFL99, 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, BGI⁺²⁵, 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, ZRG⁺²⁴]. **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, TKSK88, 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** [AAB⁺24b, 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-ishaemic** [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, LCT⁺24]. **mixed-precision** [AAB⁺21a, LCT⁺24]. **MM** [MFP⁺17]. **MM2** [PUR94]. **MMF** [LNK22]. **Mobile** [FP02, QWIC02, YBA⁺03]. **Mode** [LRT07, HHS19, 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, CWH99, 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, DTDP14, 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, KVY⁺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, BBB⁺24, 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]. **MPI_T** [GVF⁺18]. **MPICH** [BHK⁺06, Cot04, GL97, TRG05, ZRG⁺24]. **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, DDKK19, 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, BMWD87]. **Multigrid** [DMT97, SC04a, AG18, BGO20, DTL⁺21, GEKO19, HRW19, MK24, ZZG⁺14]. **Multilevel** [DW97, EGG05, WCDS99, 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, OOO24, 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, HBSM03].
neighbour [DSH⁺16]. **Nek5000**
 [MGS⁺15, WZH⁺20]. **NekBone**
 [CMMW23]. **NEMO** [EMP⁺18]. **NERSC**
 [HBSM03]. **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, LCD⁺24,
 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]. **Non-smooth**
 [LCD⁺24]. **nonblocking**
 [DJJ⁺19, WLFH16]. **Non-determinism**
 [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, LCT⁺24, Nag89, PR95, PPR03, PBD⁺01, Poz97, RAB⁺15, RIF01, RKKC90, SG91, THDC09, AAB⁺21a, AAA⁺22, BG22, BBA⁺21, BSS15, IGA24, KMJ⁺23, LHD⁺25, MAB⁺13, MKM⁺19, SDF⁺17]. **Numerically** [Mah90, WJS⁺90]. **Nvidia** [BLU⁺22, KNPS21, RTRZ22]. **NWChem** [JDD18].

O [BCP⁺20, BTZ⁺25, 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, LCT⁺24]. **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, BBB⁺24, CGW19, GCSK13, AEG⁺03]. **OpenACC** [DLVL⁺24, MGS⁺15, OGM⁺16, QHCC17, VLLGT⁺24]. **OpenCL** [ASAK19, CLBS17, RGB⁺18, RRJ⁺20]. **OpenDDA** [DGJ09]. **Opening** [PRT90]. **OpenMC** [WTL⁺25]. **OpenMOC** [BSH⁺16]. **Openmp** [SZC12, BF01, BBDH14, BBC⁺00, CLVYC⁺24, HHSM19, LRLG19, LCT⁺24, 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, ŚCKW19].

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, LCD⁺24, 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, ŚCKW19,

THDS19, VSW⁺22]. **ordering** [Wal18].
orderings [AKW19]. **ordinary** [BDE⁺25].
ordinates [DMSMG18]. **Organic** [CBL06].
Organization [FWSW02, FKT01].
Organized [BGF02]. **Organizing**
 [CBL06, GHZ10]. **Oriented**
 [Hua03, NHG⁺96, CMN12]. **Orography**
 [GS05]. **orthogonal** [LCT⁺24]. **oscillatory**
 [SPHW18]. **OSWALD** [RGB⁺18]. **other**
 [CBA⁺18]. **Our** [WW92]. **outlooks**
 [RAB⁺15]. **output**
 [Lap22, LCZ⁺15, WV⁺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, HMA⁺24].

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,
 BTZ⁺25, 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, ICPSG18, ILCLG20, IJB22,
 IKMS⁺19, JdSA⁺17, KT94, KHS⁺19,
 KRR19, KES⁺17, KDH18, Kum89, LPG88].
parallel [LGDH16, LSLR⁺20, 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,
 WV⁺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 [BHC⁺²⁵, 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]. **Partitioning** [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, ZRG⁺²⁴, 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, BFN07, 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, WBF04, WG07, WD05, Yel04, YK04, YIN⁺¹¹, YSP⁺⁰⁵, ZLGS99, ABC⁺²⁴, AAB^{+24a}, AKC⁺¹⁹, AAG⁺²³, AAB^{+24b}, 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, DTDP14, 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].

performance [HPA⁺²², HCCG20, HLRK24, IYK16, IFA15, IGBBR23, INS⁺²⁰, JKD⁺¹¹, JDAD19, KDH11, KL13, KNPS21, KMM16, LAZ⁺²⁴, LDLD19, LST15, LPB⁺¹⁶,

LWT⁺¹¹, LSLD23, MAB⁺¹³, MDW⁺²³, MSPSI5, MCU⁺¹³, MW12, MSKM21, NMAE13, OY22, PPC⁺¹⁶, PSV⁺¹⁶, PB23, SFCL18, 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^{B+19}, VSHN14]. **phase-contrast** [RPD^{B+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** [BFL99, 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, LAZ⁺²⁴, LNK22, MPB⁺²², QHCC17, TGP19]. **Portable** [BDG⁺⁰⁰, FCLG07, GL97, HLNW25, 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, AAA⁺²⁵]. **Post-failure** [BBH⁺¹³]. **Potential** [CGW19, YZZW21].
Potentials [DGD⁺⁰⁴, THDS19]. **Power** [BHdR09, Dem90, TNBG07, Ade21, CGGC⁺¹⁶, LSES20, PPC⁺¹⁶, SFCL18, 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,

LCT⁺²⁴, OY22, RTRZ22]. **precisions** [HLRK24]. **Preconditioned** [MG87, IVG⁺²⁰]. **Preconditioner** [BBS99, de 89, CGBL25, 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, CGBL25, 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, AAA⁺²⁵, BGI⁺²⁵, MZA⁺²⁴, BCC⁺⁰¹, CNR⁺²⁴, 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]. **prototyping** [ZRG⁺²⁴]. **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]. **pyAMReX** [MZA⁺²⁴]. **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]. **rank** [CGBL25]. **ranking** [AMC⁺¹⁸, DHL16]. **rapid** [JMM⁺²¹]. **Rare** [BB02]. **rate** [BBG⁺¹⁴]. **rationale** [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** [BFLL99]. **Reduced-Dimensionality** [BFLL99]. **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, LCT⁺²⁴, ZMG⁺²¹, dFRD⁺²³]. **Refining** [AAB^{+24a}]. **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]. **representation** [LHD⁺25]. **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, BHC⁺²⁵, 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, dPIaA03, BG22, BCH⁺²³, BTZ⁺²⁵, 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, CWHP99, 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, HLNW25, 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, CNR⁺²⁴, 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, LCD⁺²⁴, 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, DTDP14, 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, TKS88].

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, ZKS⁺24].

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]. **SICM** [BGI⁺25]. **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**

[Ka109b, SC04b, SBWS99]. **Simulate**

[BMT89, GMWG10]. **simulated** [KKL⁺19].

Simulating

[BEH⁺90, Din91, Haj93, VMPW20].

Simulation

[AWS01, ABF⁺99, BDP01, BHdR09,

BFNV07, 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, WBMY90,

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,

GG01, 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 [AAA⁺25, 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]. **SLATE** [GAA⁺25]. **slicing** [LCT⁺24]. **Slouching** [Lus09a]. **small** [JMM⁺21, PUR94, WZH⁺20]. **Smart** [MBF⁺11, Gro03]. **sMC** [KPST18]. **Smith** [RGB⁺18]. **smooth** [LCD⁺24]. **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, BFN07, 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, BHL⁺24, CDL20, CHT⁺19, CGBL25, 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, BHL⁺24, CGBL25, 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]. **spectrum** [LCT⁺24]. **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, BBB⁺24, 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]. **steer** [WPHS⁺25]. **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, LAZ⁺24, 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** [DTPD14]. **substructures** [SCR11].
successful [CBA⁺18]. **Suggestions** [Ano02r, Ano02s]. **suite** [WHGT22].
Summary [Moh09, Sal87]. **Summations** [NDMR20]. **Summit** [Ano22a, NBE⁺22].
SUNDIALS [BDE⁺25]. **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,

WZHG17, YIME19, YJZN22].
 Time-Dependent [MBF⁺11].
 time-domain [YJZN22].
 time-simultaneous [DTL⁺21].
 time-stepping [BSS15]. times [MP95].
 Tingxing [Ano24]. Tissues [BCZM07].
 Titanium [YHG⁺07]. Tokamak
 [DSD⁺91, KPM⁺96]. Tolerance
 [Cap09, FGC⁺05, GKP97, GL04,
 JSSZ09, KWB06, BBA⁺21, LRG⁺16,
 MSHPV18, SKZ⁺18, SMZ⁺18,
 YZC⁺15]. Tolerant
 [BHK⁺06, FD04, WvNM⁺06, ASHH16].
 tomographic [BGM15]. Tomography
 [CDH⁺97b, FFR⁺10, VBVD22]. Tomov
 [Ano24]. Too [RAGW93]. Tool
 [LRO10, WBF04, Ytt97, Eri88,
 GPO⁺20, IMS16, SDI⁺19, TDM⁺17,
 UCZ⁺15]. Toolbox [CD06, RMV⁺19].
 Toolkit [FK97, LJO05, Poz97, Pap11,
 JLO05, LJO05, NPT⁺06]. Tools
 [CBM13, DW97, DMT01, DT06,
 GRC08, LDB⁺06, MWC⁺05, MM90,
 Pan97, PA11, SS89, HMA⁺24, SKZ⁺18,
 WHGT22]. Toolset [NKP⁺00]. top
 [WET⁺19]. Top500 [Fei99]. topological
 [PHF21]. Topologies [MOK00, SW04].
 Topology [Chu99, GJMV18, KPR17].
 Topology-aware [GJMV18, KPR17].
 toroidal [IMW⁺13]. Total
 [YCHH90, RMV⁺19]. Toys [SS99].
 Trace [JKD⁺11, NRR97, BDFVP15].
 Trace-based [JKD⁺11]. traces
 [LSES20]. tracing [PS12]. Tracking
 [BGF02, BG02, CYT⁺02, FIMU19,
 NSI20, RPB⁺19]. Trade [SR05].
 Trade-Off [SR05]. Traffic [BG02]. train
 [PNFC16]. Training
 [AM00, IGBBR23]. trait [WLG⁺18].
 transcription [TGS⁺22]. Transfer
 [MAJJS03, ATL⁺15, KT94, LSLD23].
 Transfers [VS03]. Transform [DL97,
 BDFVP15, GLGLB⁺11, LDW⁺12].
 transformation [ABL⁺22, WDW⁺12].
 Transformations [YCHH90, TGP19].
 Transforms [KNP⁺87, MJ04].
 Transition [YSN90]. Translations
 [KMPJ08]. transmission [ABH⁺18].
 transparent [CIWI17]. Transport
 [ABF⁺99, DR06, DSD⁺91, KVV⁺90,
 MMD98, MWAR⁺87, MB87, BSH⁺16,
 DMSMG18, DFT⁺15, SSR⁺14].
 traversal [FT19, GLZS14]. Tree
 [SWW94, FT19]. Trees [LK01, JCK21,
 KPST18, PB23, dAVCM⁺19]. Trends
 [Ano87e, Fol90a, Tho90, Bus87]. Triana
 [HTWS08]. triangle [PS12]. triangular
 [SZ11]. Tridiagonal [BS88, Kum89].
 trillion [TSH⁺19, TAM⁺16].
 trillion-atom [TSH⁺19]. Trondheim
 [Buz89]. Trough [BAM⁺16]. truly
 [KT94]. truncated [TQOA23]. TSP
 [WG07]. tsunami [AHB⁺16, BAM⁺16].
 tumor [KKL⁺19]. tuned
 [WKLW21, YB12]. Tuning
 [Cza03, Kal09a, MJ04, RDG12, TM99,
 VDB04, Yel04, BH12, CH13, KFJ20,
 LCD⁺24, TRS13, THC⁺11, WZH⁺20].
 Turbine [MKG90, KBY⁺19].
 Turbulence [CDD⁺90, KPM⁺96,
 LWL05, KMJ⁺23, PGK⁺24]. Turbulent
 [CB95]. Turkey [BE07]. Turkish
 [BE07]. Turnaround [MP95]. Twenty
 [TSH⁺19]. TweTriS [TSH⁺19]. Two
 [HE01, Rao02, Hea15, HLH⁺19, KS89,
 KDH18]. two-dimensional [KS89].
 Two-Paths [Rao02]. two-phase
 [KDH18]. TwoFold [HLK⁺23]. Type
 [CK01, FU12, JP93]. Type-II [JP93].
 typical [FU12].
 U.S. [Fem90, Kit90]. UK [HT04a].
 Ultra
 [WOS08, BLU⁺22, DVW⁺12, HIT⁺14].
 Ultra-High [WOS08, BLU⁺22].
 ultra-high-resolution [DVW⁺12].
 ultra-large-scale [HIT⁺14]. ultrafast
 [EEL15]. Ultrascale [NKiN⁺08].

ultrashort [MV20]. Ultrasonic [ASAK19]. ultrasound [JRT16]. ULV [MY24]. Umpire [VSW+22]. unblocked [IGDQO19]. Unconstrained [LT88]. Uncovered [Ano92h]. uncovering [SLL+19]. Understanding [ALL13, BWB+10, GSND20, GNB11, MSKM21, WW92]. Unified [SMZ+18, AGC+19]. Unit [LP10, BHZ+23, CMMW23, CGBL25, LQJG16, OOOY24, RDG12, RWM17, YZZW21, ZCZ+13]. unit-accelerated [CMMW23]. unit-based [BHZ+23]. Units [GLGLB+11, MA15, NTD10, Tho90, AJ24, AAG+23, BE17, CLG13, CMN12, DMQS12, GHHS15, HPS+22, KDO16, PH19, SFLC18, SO23, VBVD22]. universe [RAB+15]. University [Nas92, ATD+88, Aus92, GNTLH97, SSNM92]. Unprecedented [NBE+22, Ano22a]. unpredictable [GSA+19]. Unroll [MCG04]. unsplit [SZC12]. unstable [NC18]. Unstructured [DMT97, Mav02, MCW+00, WCE95, KC18, WDW+12]. unsupervised [ZCZ+13]. usable [KT94]. Usage [FCLG07, PIR+20]. Use [CDL+19, Cho01, DD91, GGMJF+20, MFOAGE18, TKSK88, Mar87b]. Used [DFH+96, ESD+22, GSND20]. User [FCLG07, LS06, LRG+16]. user-level [LRG+16]. User-Provided [LS06]. Users [Pan97]. Using [BHK+88, BKS+07, BCR+14, BBC+00, CGB+94, CWHP99, CDH+93, CL95, CKE08, CYT+02, CBV97, CW05, FD04, GLZS14, GNTLH97, HAF+96, HLW00, HE01, HC08, JLO05, Joh01, KDH11, LRT07, LWL05, Man97, MAB07, MCG04, MSK92, QWIC02, QH08, Rao02, SBWS99, TM99, THL88, VLO+08, VS03, WGI90, WOG95, AJ24, ABH+18, ASAK19, APD+15, BE17, BCH+23, BCYS11, BGB+18, CGGC+16, CSC24, CDL20, CIWI17, CLBS17, DWT+19, DFT+15, EKF+19, FSC+11, FFZ+23, GVR+21, GDKWS15, HYH+20, HLNW25, IMH+11, JC12, KTP+24, KMJ+23, KDO16, KBY+19, KTWL18, KL13, LST15, LPB+16, LCT+24, LNK22, MDH+18, MJD16, MJGL13, MGFP20, NSI20, Pap11, PNFC16, PH19, RSCC+24, SABD13, SO23, SKS+13, TM23, VSW+22, VMPW20, VDF+23, YZC+15]. Utility [LS06, YB07]. Utility-Driven [YB07]. utilization [DCD+13]. utilizing [AAB+21a, SKZ+18]. V [BHK+06]. V100 [RTRZ22]. vacuum [BLU+22]. validation [SCB14]. Value [Ber92, Bus87, uITH07, SG91, KV19, KES+17]. variability [MSKM21]. Variable [BBR10, BGB+96, AMC+18, Bai20, BSK14, ZZG+14]. Variable-Complexity [BGB+96]. variants [CNW+23]. variation [LTPK17]. Variational [NK89, DBD+23]. vascular [JKBW18]. Vector [AGL+87, Bai88, CSV91, DD91, Fro91, Gaf88, LT88, LRBS89, MC90, MG87, MCG04, OCC+08, BDC21, GG11, GGO16, KS89, SCR11, YLL+14]. Vectorization [AD89, Reu92, Haj93, NDMR20, SMK+20]. Vectorized [IHMM87, MB87, TKSK88, YW93]. Vectorizing [HVKW05]. Venice [OL05]. Verbs [OF17]. Verification [CY08, BRR17]. Versatile [AGK+23]. Version [JLO05, CMMW23]. versioned [CBD+17]. Versus [PC08a, RTRG+07, GSA+19, GLGLB+11, HCCG20]. Very [HRM89, KNP+87, RTRZ22]. VF [DEKV92, DD89, DD91]. VF/600J [DEKV92]. Via [MR04, ATL+15, V [BHK+06]. V100 [RTRZ22]. vacuum [BLU+22]. validation [SCB14]. Value [Ber92, Bus87, uITH07, SG91, KV19, KES+17]. variability [MSKM21]. Variable [BBR10, BGB+96, AMC+18, Bai20, BSK14, ZZG+14]. Variable-Complexity [BGB+96]. variants [CNW+23]. variation [LTPK17]. Variational [NK89, DBD+23]. vascular [JKBW18]. Vector [AGL+87, Bai88, CSV91, DD91, Fro91, Gaf88, LT88, LRBS89, MC90, MG87, MCG04, OCC+08, BDC21, GG11, GGO16, KS89, SCR11, YLL+14]. Vectorization [AD89, Reu92, Haj93, NDMR20, SMK+20]. Vectorized [IHMM87, MB87, TKSK88, YW93]. Vectorizing [HVKW05]. Venice [OL05]. Verbs [OF17]. Verification [CY08, BRR17]. Versatile [AGK+23]. Version [JLO05, CMMW23]. versioned [CBD+17]. Versus [PC08a, RTRG+07, GSA+19, GLGLB+11, HCCG20]. Very [HRM89, KNP+87, RTRZ22]. VF [DEKV92, DD89, DD91]. VF/600J [DEKV92]. Via [MR04, ATL+15,

BWB⁺¹⁰, CSV91, DEQO21, DTL⁺²¹, ELEB21, Mat03, QHCC17]. viability [LFB⁺¹⁵]. Vibrational [DFC90]. Video [dPIIdA03]. Video-on-demand [dPIIdA03]. View [Kep04b, DFT⁺¹⁵]. VII [McN89]. Virginia [GNTLH97]. Virtual [BAP⁺¹², BEF⁺⁹⁵, DFH⁺⁹⁶, FKT01, HWP03, KKDV03, KKD05, LK10, THC⁺⁹⁶, WLVL⁺⁹⁶, GVR⁺²¹, ICPSG18, ILCLG20, IK18, LWL⁺²³, MSPSI15, SSU⁺¹², CBB⁺⁰⁴]. Virtual-machine-based [BAP⁺¹²]. virtualization [KL13]. Vis5D [HAF⁺⁹⁶]. viscosity [ZZG⁺¹⁴]. Vision [Hab90, LAV09, Sha88, BE17, MBHF15, PNFC16, LPG88]. vision-based [BE17]. Visual [DFP⁺⁹⁶, DL97, Koi90, WW92, APD⁺¹⁵]. Visualization [DFC90, Fol90a, GKP97, Hab90, HBSM03, KWB06, MAB⁺²⁴, Sal87, SS89, SK90, ZLGS99, AAA⁺²⁵, BCLP17, CAA⁺²⁰, LSS93, HBSM03]. Visualizing [GKB93]. Vivo} [CBW95]. Vlasov [KRR19]. void [MPD⁺¹²]. Vol [Mar88a]. volatile [CDRV15]. Volume [Ano96b, Ano97d, Ano99, Ano00, Ano01b, MS05, PLS05, BH12, GHL15, LH19]. volumetric [CLBS17]. Volunteer [KDH11]. Voronoi [EGG05]. Vortex [JP93]. voxelised [DF18]. VP [IHMM87]. VP-100 [IHMM87]. VP2000 [Ish91]. VTK [MAB⁺²⁴]. VTK-m [MAB⁺²⁴].
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Kerlick:2001:PTP

Kiar:2020:CPM

Katti:2018:EFD

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