

A Bibliography of Publications in *Scientific Programming*

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Title word cross-reference

	2003/2008 [Mor15]. 2008 [Mor15]. 2012 [VR13]. 2048-processor [HMCH07]. 2HOT [War14]. 2nd [Nag05b].
+ [BDV03]. 1 [TPKP13]. 2 [PPJ ⁺ 15]. 3 [JR10, MRLF12]. 3 [FP00a]. ^H [Che93a, Che93b]. SM [Ano07a]. 2 [WCZ ⁺ 16]. <i>d</i> [TOF ⁺ 14]. <i>K</i> [RLC04]. <i>N</i> [HJ96, War14, WHG93]. <i>O(N)</i> [HJ96].	3 [GBH14]. 3Es [SZC16].
	4M [DTV00].
	590 [Was95].
-body [HJ96, War14]. -D [TPKP13].	77 [OPE ⁺ 95, Zim07].
-dimensional [WHG93]. -means [RLC04].	860 [CBCM93]. 8i [KGBB09].
-spline-based [TOF ⁺ 14].	
1 [HR12a, KBRS95]. 1999 [Met99a, Met99b].	90 [McC96]. 95 [RMX05, Sch03a]. 95/2003 [RMX05]. 9th [SO11].
2 [GBJ94, HR12b]. 2.0 [HMSM08]. 20 [Met99a]. 200 [GBJ94, MJ95]. 2001 [Ger02]. 2003 [BCCP05, Mor15, RMX05].	ABC [JFPL16]. Abstract [Vol97, Rou08b]. abstractions [Hav00b]. Acceleration

[Jes10, ZSS⁺10]. **Accelerator** [TLC15, CIN⁺96]. **accelerators** [KK11]. **access** [CGL08, GL04, GBH14, LOHA01, TKS02]. **Accessing** [TC96]. **Accuracy** [GMCT15, PDROFRM16, BBDN11]. **Achieving** [BAN02, HLPY16, KFFZ05]. **Acquisition** [ZGS16]. **across** [GR93]. **active** [RLC04]. **Activity** [ZG15]. **Actor** [CSM15, KPS16]. **Actor-Fact** [CSM15]. **ad** [BDM⁺04]. **Adaptation** [SRO⁺15, IRSD99]. **Adaptive** [PVL⁺04, Shu94, BCC⁺93, BAN02, CW93, EAS⁺97, GRN99, OHS00, VCT05]. **address** [HUN08]. **ADIFOR** [BCC⁺92]. **Adjacency** [ZSS⁺10]. **Adjacency-based** [ZSS⁺10]. **adjoints** [FC01, HUN08]. **adoption** [NDSG07]. **Advanced** [ATZ⁺15]. **advances** [Spo12, HPS⁺13]. **Advantages** [DF14]. **agent** [CJS⁺02, CGK⁺05, PVL⁺04]. **agent-based** [CJS⁺02]. **aggregation** [IMB⁺13]. **Agile** [AKA16]. **aided** [IJL⁺01]. **AIPS** [WHG93]. **Alan** [Ste97]. **algebra** [ACIK97, HKL⁺12]. **algebraic** [DHH00, Hav00a]. **Algorithm** [ACLS16, CLTX16, FMA16, HJ15, JKR92, KS15, LWV16, MWQ16, SLBZ16, SZC16, TT16, WS15, WWLG16, ZYLZ15, ZHL16, KHSJ95, MJLM07, MSLS13, War14, ZSS⁺10]. **Algorithms** [CS94, CBRR⁺16, CW93, DRL13, GIKP95, GA96, HJ96, KTP05, KK09, Lin04, LKDB10, NKV⁺02, OHS00, RLC04, SZ09]. **Alice** [Nag04]. **aligned** [AGIS94]. **All-Subgraph** [SJ15]. **All-to-all** [MJ95]. **Allocation** [BS01, HLPY16, JFPL16, MPA16, Mor94, RMX05]. **Amazon** [JMR⁺11, TFN11]. **American** [ZG15]. **Amesos2** [BHRT12]. **among** [LZF16]. **Analysis** [CTCG15, HPZ16, HBCM94, KAS15, KPS16, KOM94, SC16, YG16, AE03, BCK07, BB08, BBF⁺04, BCHL05, CO93, FO96, HMSM08, JMR⁺11, LDV07, Lin04, PPS12a, PPS⁺12b, PDGQ05, Rou08b, SCSJ09, SS00, SGM⁺08, Sne95, TKS02, TF04, WGW08, GM14]. **analysis-driven** [Rou08b]. **Analyzing** [LSB12, ZCXQ16]. **ANCS** [HLPY16]. **angular** [KMB09]. **Answers** [SHM97]. **Ant** [FMA16]. **Antispam** [PDROFRM16]. **AntStar** [FMA16]. **aperture** [PTS⁺13]. **AppLeS** [COB⁺00]. **Application** [ATZ⁺15, BCS01, KJG⁺08, Mal01, PPS⁺12b, YTD15, BBF⁺04, BFGH14, BBK⁺11, DFP96, HLM⁺05, IJL⁺01, KeKR⁺11, Bor04]. **Applications** [Ang93, CHM⁺97, LWYS16, RRM⁺15, Sne95, BBBM12, BDV03, CHS⁺99, CKS⁺09, HZ99, HHML05, LTB02, LPHD04, Nor07, PVL⁺04, RKR⁺99, SJR14, SKU⁺09, Slo12, SB01, SBJV11, WGW08]. **applied** [WGF93]. **Applying** [AIS16, PDROFRM16, SCB02]. **Approach** [AIS16, AKA16, CLA⁺15, DDMS15, DEL01, FOT92, LGC⁺16, LWYS16, SPPH15, SSN15, YZ16, ZWZ16, FP95, GG95, KJG⁺08, KLS⁺96, LSB12, LB02, PSU08]. **approaches** [OB96]. **approximate** [GG05]. **Approximation** [YTD15]. **arbitrary** [CGL08]. **Architecting** [IR02]. **Architecture** [AKA16, KGMN15, BHK⁺13, PMTL12, RX04, Rou08b, WB95, KCO⁺05]. **Architectures** [CCTY15, CKKK15, BFGH14, BBK⁺11, HPD09, LKDB10, SH94, SJR14, WSP94]. **area** [JEM07]. **arising** [ARvW03]. **Aristotle** [FSV14]. **arithmetic** [Sch03a]. **ARMS** [CJS⁺02]. **Array** [HBCM94, McC96, ESP⁺12, Ott93, WHG93, BCS01]. **arrays** [FO96, RN07, TC96]. **Art** [Bry96, BDH⁺10]. **Artificial** [Gil09]. **ASKALON** [Pro07]. **Aspects** [KAS15]. **Aspen** [SV15]. **Assembly** [JBLB15]. **Assess** [ÁRCPS15]. **Assessing** [LLW⁺14]. **Assessment** [YG16, MCvM10]. **Assigning** [HY15]. **Assigning-Weight** [HY15]. **Association** [ZYLZ15]. **Atmospheric** [Ros00, SS00]. **atomistic** [ADLN08, NKV⁺02].

atomistic-to-continuum [ADLN08].
attachment [MPP⁺04]. **Author** [Ano97a, Ano99a, Ano00, Ano08a, Ano09, Ano11a, Ano12, Ano14]. **auto** [DF14, FML⁺14]. **auto-tuning** [DF14, FML⁺14]. **Automated** [SV15].
Automatic [FB99, HZ99, JJY⁺03, SLD⁺16, AGG⁺97, BFGH14, IJL⁺01, Kes96, LP99, OPE⁺95].
Automatically [CBRRRC⁺16].
Automating [CQF05, PPS12a, PPS⁺12b].
automation [HMSM08]. **Autonomic** [KeKR⁺11]. **Available** [RRV09]. **Aware** [BHP⁺03, CGC16, CLYL16, MJB15, OCC⁺16, TT16, HJYC10, IMB⁺13, Zim07].
Awareness [ZHL16]. **AWS** [JMR⁺11].
Azure [HLM⁺11].

B.E. [Ano08b, VvAC⁺09]. **Babb** [Per08].
backprojection [PTS⁺13].
backprojection-based [PTS⁺13]. **Backup** [CTCG15]. **Balance** [CKKK15]. **Balancing** [CGC16, VMRM16, LTB02, PVL⁺04].
banded [MSSG11]. **bartering** [Özt04].
Based [ATZ⁺15, BD16, CLA⁺15, CLTX16, CLYL16, DPMB16, HJ15, HY15, HHD⁺16, JFPL16, KS15, KPS16, MFB⁺15, MPA16, MM16, SPPH15, SSN15, SLBZ16, SZXL16, THS⁺15, WS15, WB16, XTCC15, XML⁺16, YZZ15, YZ16, YG16, ZCXQ16, ZWW16, ZWCY16, Abd02, ABB⁺02, AMM05, BMY13, BB08, BGLR93, CJS⁺02, CL04, GRN99, GGJ04, GG05, KK11, Lan01, OPP11, PTS⁺13, PPS12a, Sch03b, TOF⁺14, TKS02, Tým99, WOC99, ZSS⁺10]. **Basic** [BBG⁺93]. **Bayesian** [LB02]. **BE** [RRV09].
behavior [TKS02]. **behaviour** [GGJ04].
being [BKP99]. **Belos** [BHRT12].
Benchmark [Was95, DEvdV01, KGBB09, Mü103, PHH95, RST02]. **benchmarking** [RST02]. **Benchmarks** [PAR94, AE03, HB94, SBM⁺10]. **benefits** [NJ08]. **Best** [Old00]. **better** [BPC⁺09, GA96]. **between** [SH94]. **Beyond** [SF03a, Lin04]. **biclusters** [HB12].
Biermann [Ste97]. **Big** [CTC⁺15]. **Binary** [YDC⁺16, LSB12]. **binding** [VRW⁺03].
Biobjective [CMTAC⁺16]. **Biodiesel** [ZJZ⁺16]. **Biological** [AHCZ12, ZRP08].
biomolecular [BPK00]. **Birds** [SCAP16].
BitTorrent [DRL13]. **Black** [YDC⁺16].
BLAS [ARvW03]. **Blitz** [AJJF14].
Blogosphere [ZG15]. **Bocca** [ANEA08].
bodies [AGIS94]. **body** [HJ96, War14].
Book [Ano07a, Ano07b, Ano07c, Ano11b, Bai08, Bor04, Bro11a, Bro11b, Bro12, Bro09, Bus09, Fil14, GB10, Les10, Man08, Nag04, Nag05a, Nag05b, Nag09a, Nag09b, Nag11a, Nag11b, Nag12]. **books** [Met99a, Met99b].
Boosting [PDROFRM16]. **Boot** [HHD⁺16].
Both [ZHL16]. **breadth** [BAP13].
breadth-first [BAP13]. **bringing** [Pla04].
Broadband [GGP09, IB09, KD09, SKU⁺09, VGC09, WSZK09]. **broadcasts** [DRL13].
Broker [ACB⁺02]. **BSML** [VRW⁺03]. **BSP** [SHM97]. **Building** [VvAC⁺09, RLL⁺02].
Bulk [ZWCY16]. **Burgers** [MRLF12].
burst [BCHL05]. **Bus** [MM16]. **butterfly** [Sch03b].

C [Ang93, CO93, Che93a, Che93b, CP03, DNS97, DDMS15, LH93]. **Cache** [AIS16, NsP16, TLC15, Bai95, WC96].
caching [Tým99]. **CAF** [Mar05]. **CaKernel** [BBK⁺11]. **calculus** [RMX05, Rou08b].
Call [Ano97b]. **Camera** [ACLS16]. **can** [Ang93, BFH96]. **cancer** [AMN⁺12].
CanonicalProducer [KCO⁺05].
capabilities [MRLF12, PPS12a, PPS⁺12b].
Case [DS97, Hav00a, McC96, RRM⁺15, AJJF14, GW11, GB94, GL04, MS00, Rou08b, ZS99].
Cassandra [CTCG15]. **Causal** [LDV07].
CCA [ANEA08]. **Cell** [SCAP16, Ano08b, GGP09, IB09, KD09, RRV09, SKU⁺09, VvAC⁺09, VGC09, WSZK09]. **Cell/B.E.** [VvAC⁺09]. **CellSs** [BPC⁺09]. **Center** [CTCG15, CGC16]. **Centered** [DDMS15].

Centers [JFPL16, LZF16, ZHL16]. **Centric** [TLC15]. **CFD** [Jes10, JR10]. **Chain** [DPMB16, ZJZ⁺16]. **chains** [HS03]. **challenges** [NJ08]. **Chance** [SZC16]. **Chance-Constrained** [SZC16]. **Characteristics** [VMRM16]. **Characterization** [PCGLO14, MJLM07]. **Characterizing** [OdSSP13]. **charge** [CBCM93]. **Cheaper** [HUN08]. **Checkpoint** [CSC16]. **checkpointing** [IMB⁺13]. **Chemistry** [KJG⁺08, SE95]. **chip** [JK10]. **CHIPPER** [MM16]. **Chips** [TLC15]. **choice** [AJJF14, FB99]. **Cholesky** [CDO⁺96]. **circulation** [Hem00, SS00]. **Class** [NCMF15, SO93, Ang93]. **Class-specific** [SO93, Ang93]. **classes** [Ott93, VHBR93, WHG93]. **Classical** [PDROFRM16]. **Classification** [CLYL16, KG08]. **Classifier** [MWQ16]. **Classifiers** [PDROFRM16]. **Cloud** [ALL⁺16, AIS16, BR11, CTCG15, CTC⁺15, CMTAC⁺16, HPZ16, KPS16, OCC⁺16, Wu16, XST⁺16, ZHL16, JMR⁺11, SBJV11, TSCT11]. **Clouds** [CLYL16, HLPY16, MFB⁺15, ZWZ16, OPP11]. **Cluster** [ACCTA⁺15, SHHI01, SCD⁺15, HMCH07, JEM07, GWZ16]. **Cluster-enabled** [SHHI01]. **clustering** [DRL13, GGJ04]. **Clusters** [LWW16, BCHL05, BDV03, JR10, KK11, Nag05a]. **CM** [GBJ94, MJ95]. **CM-2** [GBJ94]. **CM-200** [GBJ94, MJ95]. **Co** [RN07, ZGW08, WCZ⁺16, BCS01]. **Co-Array** [BCS01]. **Co-arrays** [RN07]. **co-regulations** [ZGW08]. **Coaching** [Ano07a]. **Coarrays** [RRM⁺15]. **coarse** [KB96]. **coarse-grain** [KB96]. **Code** [BCC⁺92, BKLS01, CCBPGA15, ACIK97, BHK⁺13, CP03, Jes10, PKE⁺10]. **Codes** [O⁺K00, BGLR93, IJL⁺01, Kok07, Mal01, NAA⁺03]. **Codesign** [MOS16]. **Coding** [ATZ⁺15, FC01]. **coherence** [WC96]. **Collaborating** [CL04]. **collaborative** [FML⁺14, KJG⁺08, XNQF04]. **collection** [Hav00b]. **Collections** [BBC⁺10]. **Collective** [FML⁺14]. **coloring** [BÇCD12]. **combinatorial** [BÇCD12]. **Combined** [DRR12, HY15, ZLL⁺15]. **Combining** [LGC⁺16, MSH99, MS00]. **combustion** [SE95]. **Common** [BD16]. **Communication** [GBK⁺96, BDM⁺04, Bry96, ESSL99, KB01, MJ95, PKE⁺10, TPKP13]. **Communications** [GBJ94, GG95]. **Community** [KCS15, SSN15]. **Community-Based** [SSN15]. **Comparative** [ZS99, OB96]. **Comparing** [FC01, PSM⁺15]. **Comparison** [PBK01, ZG15]. **Compilation** [Ano99b, CP03, ESSL99]. **compile** [MSH99]. **compile-time** [MSH99]. **Compiler** [BMN⁺97, DS97, DZKS13, IRSD99, OSS94, SKS01, Sin99, WC96, Ang93, BGH99, EAS⁺97, HCJ08, Mü103, OB96, SHHI01, SO93, Ben99]. **Compiler-directed** [DZKS13]. **Compiler-enforced** [WC96]. **Compilers** [CCTY15, Met99a, Met99b]. **compiling** [DDS99, GG95]. **Complete** [Nag05b]. **complex** [Che93a, DSS⁺05, ESSL99]. **Complexity** [Rou08a, ANEA08, PPS12a, PPS⁺12b]. **component** [KCO⁺05, KJG⁺08, Sch03b]. **component-based** [Sch03b]. **Components** [ADLN08, ZCXQ16, CL04]. **comprehensive** [RST02]. **compressible** [WB95]. **compression** [IMB⁺13, LLW⁺14]. **Computation** [Nag05b, SRO⁺15, DSZ96, HST⁺93, IB09, KB01, Lar93, OSS94, PMTL12, PTS⁺13, PKE⁺10, WGF93]. **Computational** [KAS15, SRTCL16, GW11, GHW00, HLM⁺05, MCvM10, WD07, SLJ⁺00]. **computations** [CLM05, CFR14, HUN08, HJYC10, PCS99, ZSS⁺10]. **compute** [JIC⁺14]. **compute-local** [JIC⁺14]. **computer** [BTS⁺14, IJL⁺01, JEM07, KMB09, LDV07, Ste97, WCKD07, WSP94]. **Computers** [PAR94, HB94, LH93, OS99, PBK01, PMCF94, Shu94]. **Computing**

[ALL⁺16, BR11, CTC⁺15, DK02, DDMS15, GM14, GGP09, HPZ16, Nag04, PSM⁺15, PT09a, PT09b, VR13, WWLG16, YTD15, ACB⁺02, Ano08b, AB96, BKK⁺11, BH12, BDG⁺94, BBK⁺11, BC99, BÇCD12, BDH⁺10, CJS⁺02, CM02, Che93b, DDMS14, DRR12, FB99, FP00b, GW11, GGMS99, GHH⁺02, Hav00a, JIC⁺14, KeKR⁺11, KLS⁺96, LPHD04, LG03, MMG⁺02, NJ08, Nor07, NDSG07, Rou08a, SKU⁺09, VCT05, VF95, WGW08, Zim07, HHML05, JEM07, SO11, Mic97]. **concept** [BMY13]. **concept-based** [BMY13]. **Concepts** [DNS97, NDSG07]. **Concurrent** [BBC⁺10]. **Conditional** [BCK07]. **Conference** [GM14]. **Confidence** [ÁRCPS15]. **Config** [MS00]. **configuration** [CQF05]. **conjugate** [GG05]. **CONLAB** [JKR92]. **Connection** [GBJ94, MJ95]. **connectivity** [PSU08]. **conquer** [MGK⁺13]. **considerations** [GHST12]. **Consistency** [ZLL⁺15]. **Consolidation** [CLYL16]. **constant** [CGL08]. **constant-time** [CGL08]. **Constrained** [MFB⁺15, SZC16, YZ16, LBvBW12]. **Constraint** [SW16]. **Constraints** [BD16, LR05]. **Constructing** [BBBM12]. **construction** [MOT97]. **constructs** [CP95, RS94]. **continuum** [ADLN08]. **contour** [RLC04]. **contraction** [PMCF94]. **Control** [HXX16, FP95, GR93]. **convergence** [HMCH07]. **Converter** [VMRM16]. **cooperative** [CR05]. **Coordinate** [Bjø00, GHW00]. **Coordinated** [PRM⁺14]. **Coordination** [CHM⁺97]. **coping** [Hil97]. **Coprocessor** [SRO⁺15]. **Coprocessors** [TSP⁺15]. **CORBA** [Lan01]. **Core** [CKKK15, TC96, TLC15, JR10, JIC⁺14, PTS⁺13, PT09a, PT09b, Zhe10, DGH⁺15, Nag05b]. **coregulation** [HB12]. **Corral** [JDVM10]. **correlation** [KMB09]. **cosmological** [War14]. **cosmology** [BAN02]. **Cost** [MFB⁺15, Wu16, BKP99, JMR⁺11, PMCF94, SZ04]. **Cost-Effective** [Wu16]. **coupling** [GRN99]. **course** [ZGW08]. **courses** [Met99a, Met99b]. **CPU** [CFR14]. **CPU/GPU** [CFR14]. **CPUs** [LNK⁺15, YTD15]. **CRAFT** [PMM94]. **cratering** [HLM⁺05]. **CRAUL** [IRSD99]. **Creating** [BKLS01]. **Critical** [NM16, ZA10]. **cross** [BHK⁺13, GA96]. **cross-architecture** [BHK⁺13]. **crunching** [GB94]. **crystals** [GIKP95]. **CSE** [CHC15]. **Cuckoo** [WS15]. **custom** [NAA⁺03]. **customizable** [WOC99]. **Customized** [XST⁺16]. **CX** [CM02]. **Cycle** [ZCXQ16].

D [Nag05a, JR10, MRLF12, PPJ⁺15, TPKP13]. **Data** [AIS16, CTCG15, CTC⁺15, CSC16, CGC16, HJ15, HMC97, JFPL16, KPS16, LR05, LZF16, MJB15, SZXL16, SSM⁺02, THS⁺15, WCG95, Wu16, ZHL16, AMN⁺12, AHCZ12, AGG⁺97, CDD⁺05, CvHK97, CP95, DRT⁺14, Gil09, Hav00b, HJ96, HS03, IB09, IMB⁺13, KG08, KB96, KGV97, KVV⁺07, LOHA01, LLW⁺14, Lin04, NPP⁺00, Özt04, PSU08, PDGQ05, Pla04, PMCF94, RR07, RKR⁺99, Rou08b, SVR⁺07, Sin99, Slo12, SG96, TFN11, VRW⁺03, VRM02, WHRH07, War96, ZRP08, ZS99, ZGW08, ZSS⁺10, vDKH01]. **data-aware** [IMB⁺13]. **data-intensive** [DRT⁺14, Slo12]. **Data-parallel** [HMC97, WCG95, CvHK97, Hav00b, HJ96, ZS99]. **data-structure-neutral** [SG96]. **Database** [CTC⁺15, HMSW92, BDLL94, MSLS13, WSZK09]. **databases** [TSCT11]. **Datasets** [SZAG15, BCHL05, HB12]. **David** [Ano07c, Nag05b]. **DDT** [AGG⁺97]. **de-allocation** [RMX05]. **Deadline** [MFB⁺15]. **Deadline-Constrained** [MFB⁺15]. **deadlock** [HPS⁺13]. **debugging** [FP00b]. **Decision** [MWQ16]. **Decisions** [ZGS16]. **decomposition** [DBVF01, GRN99, JHNP14]. **Deduplication** [CSC16]. **definition** [HS03].

definition-use [HS03]. **Degree** [ZCXQ16, ZWW16]. **Delays** [HXX16]. **Delegated** [ITF⁺08]. **Demand** [ZJZ⁺16, Ang93]. **Demands** [SLBZ16]. **Dense** [YTD15]. **dependence** [BH02, Lin04]. **Derivative** [BCC⁺92]. **derivatives** [Met99a, Met99b]. **derived** [RMX05]. **descriptions** [MPP⁺04]. **Design** [CFR14, CDO⁺96, CIN⁺96, GHST12, GSM03, HMR⁺15, O'K00, PPD05, RX04, SS00, SG96, SV15, ZWW16, DRT⁺14, DSZ96, FP95, PDA⁺08]. **Designing** [HPZ16, Lin04]. **designs** [OHS00]. **Detection** [BD16, CLA⁺15, HJ15, KCS15, XML⁺16, HPS⁺13]. **Determine** [NM16]. **Determining** [ADS95, BH02]. **Development** [AKA16, Ano07a, FS01, HLM⁺05, PT09a, PT09b, SB01, VHBR93, ARvW03, Ano93, JKR92, KJG⁺08, SDS00]. **Diagrams** [NCMF15]. **Difference** [Vol97, VHBR93]. **Different** [GMCT15]. **differential** [Gus93, PPS⁺12b]. **digit** [BSF96]. **digit-index** [BSF96]. **dilemma** [BFH96]. **dimensional** [Kok07, KBR95, WHG93]. **Dimensionality** [SZAG15]. **Direct** [BHRT12]. **directed** [DZKS13]. **Direction** [BAP13]. **Direction-optimizing** [BAP13]. **Directive** [XTCC15]. **Directive-Based** [XTCC15]. **Directives** [CCBPGA15, LOHA01]. **Discover** [ZGW08, HB12]. **discoveries** [Gil09]. **Discovering** [DPMB16]. **Discovery** [GB15, AHCZ12, MPP⁺04, WD07]. **Distributed** [BBG⁺93, BMN⁺97, KPS16, SO11, SO15, BKK⁺11, DSS⁺05, FP00a, FS01, FB99, HMCH07, JKR92, KMR⁺97, KGV97, KABW11, LTB02, MSLS13, OB96, RLL⁺02, RS95, SHHI01, Shu94, XNQF04, ZA10]. **distributed-object** [FS01]. **Distributing** [ASCH⁺07]. **Distribution** [MJB15, ZWW16, ACIK97, AGG⁺97, CP95, KK09, NPP⁺00]. **distributions** [KTP05]. **divide** [MGK⁺13]. **DMZ** [DRT⁺14]. **DNA** [KTP05]. **do** [Ang93, GA96]. **Domain** [JBLB15, GRN99, JHNP14]. **Dongarra** [Nag05b]. **Driven** [BR11, Kes96, KVW⁺07, Rou08b]. **DSMPI** [SSC97]. **DSP** [YZZ15]. **Dual** [ACCTA⁺15, ZGS16]. **Dual-Source** [ZGS16]. **during** [AKA16]. **DWD** [SDS00]. **Dynamic** [CMM⁺02, CP03, GWZ16, HPZ16, HLPY16, KLN⁺04, LTB02, RMX05, WD07, WHRH07, HS03, MSCS14, RKR⁺99, Shu94, VCT05]. **dynamical** [CO93]. **dynamics** [BCS01, BPK00, GIKP95, GHW00]. **Early** [HLM⁺11]. **EC2** [TFN11]. **ECMWF** [DTV00]. **Ecology** [WCZ⁺16]. **ed** [Nag05b]. **edited** [Bry96]. **Editor** [Sne95]. **Editorial** [Ger02, O'K00]. **editors** [Pre99]. **education** [DDMS14]. **EEG** [ADS95]. **Effect** [AKA16]. **Effective** [TSP⁺15, Wu16]. **effects** [CBCM93, GIKP95, LLW⁺14]. **Efficiency** [CGK⁺05, JFPL16, Mat94, STD⁺14]. **Efficient** [CTCG15, CSM15, DRL13, HJ15, IB09, MOS16, PTS⁺13, RLC04, SCAP16, TT16, CGL08, GL04, KABW11, SZ04, TFN11]. **Efficiently** [RLL⁺02, HJ96]. **Eigensolver** [BH96]. **Ejector** [CCBPGA15]. **ELASTIC** [MSCS14]. **Elasticity** [ALL⁺16, Kok07]. **Electric** [WCKD07]. **electronic** [CL04]. **Element** [Ano07b, JBLB15, SO15, VHBR93, WGF93, ZSS⁺10]. **elements** [Hem00]. **Elimination** [PPJ⁺15]. **elliptic** [AGIS94, JHNP14]. **Ellis** [Bry96]. **Embedded** [JBLB15, YZZ15, PPS12a, PPS⁺12b]. **Empirical** [CTCG15, HBCM94]. **Emulating** [Mor15]. **enabled** [CDD⁺05, KVW⁺07, SHHI01]. **Enabling** [BTS⁺14, GBH14, HJYC10, Mic97, vDKH01, Nor07]. **encoding** [LSB12]. **Energy** [CLYL16, JFPL16, TT16, ZHL16, CKS⁺09, PRM⁺14, STD⁺14]. **Energy-Aware**

[CLYL16]. **Energy-Awareness** [ZHL16]. **Energy-Efficiency** [JFPL16]. **Energy-Efficient** [TT16]. **enforced** [WC96]. **engine** [KVW⁺07, NPP⁺00, GGP09, IB09, KD09, SKU⁺09, VGC09, WSZK09]. **engineer** [Hil97]. **Engineering** [Ano07a, CHC15, Nag05b, HP02, MS00]. **Enhancing** [FMA16]. **ensemble** [AMN⁺12]. **Entire** [YZZ15]. **Enumeration** [SJ15]. **Environment** [CTC⁺15, GBK⁺96, BBF⁺04, BGLR93, BDG⁺94, BBLR03, CB99, FS01, HMC97, Lan01, Lar93, MSCS14, PVKE01, Pro07, VF95]. **Environments** [OCC⁺16, EAS⁺97, GGMS99, GRC03, RLL⁺02, VCT05, VRW⁺03, ZA10, Bry96]. **epidermal** [GGJ04]. **Epoch** [HJ15]. **Epoch-Based** [HJ15]. **ePRO** [CKS⁺09]. **ePRO-MP** [CKS⁺09]. **Equalization** [VMRM16]. **equation** [MRLF12]. **Equations** [YTD15, Gus93, PPS⁺12b]. **error** [HPS⁺13]. **estimation** [TOF⁺14]. **estimator** [FP00a]. **estuary** [KBRS95]. **Evaluating** [HY15, SZ09]. **Evaluation** [LNK⁺15, SCD⁺15, BC99, ZS99]. **Event** [HXX16, Kuf15, THS⁺15, OPP11]. **event-based** [OPP11]. **Event-Triggered** [HXX16]. **events** [ZA10]. **Evolution** [Bor04]. **Example** [ZG15, Den96]. **Execution** [Mar05, FS01, HLM⁺05, Slo12, ZS99]. **executions** [RR07]. **Expands** [WCZ⁺16]. **Expected** [YZ16]. **Experiences** [CvHK97, JR10, JDVM10, Lar93]. **experiment** [BCCP05]. **experiments** [BKK⁺11, PDA⁺08]. **Expert** [OB96]. **Explaining** [SH94]. **Explicit** [SF03b, SF03a]. **exploit** [BPC⁺09]. **Exploiting** [HPD09]. **Exploration** [SV15]. **Exploring** [JK10, JIC⁺14, MRLF12]. **Express** [DNS97]. **expressing** [JK10]. **expression** [PCS99, ZGW08]. **Extended** [TC96]. **Extending** [BCC⁺00]. **extension** [PPD05]. **Extracting** [NCMF15]. **extraction** [Abd02]. **extreme** [BAN02]. **Fact** [CSM15]. **factor** [GGJ04]. **factorial** [PDA⁺08]. **Factorization** [DEL01, CDO⁺96, KD09, VGC09]. **factory** [JMR⁺11]. **fair** [BTS⁺14]. **Fast** [BSF96, JFPL16, SJ15, HST⁺93]. **Fastscat** [HST⁺93]. **fault** [ZA10]. **fault-tolerance** [ZA10]. **Faults** [HXX16]. **Feature** [CLTX16, KS15]. **Feedback** [MPA16]. **Feedback-Based** [MPA16]. **FFT** [Sch03b, TPKP13]. **field** [VHBR93]. **Fields** [ACCTA⁺15]. **file** [DZKS13, Met99a, Met99b]. **files** [CGL08]. **Filtering** [FGROL⁺16]. **Final** [ZGS16]. **financial** [LPHD04]. **fine** [HPD09]. **fine-grain** [HPD09]. **Finite** [Ano07b, JBLB15, Vol97, VHBR93, WGF93, ZSS⁺10]. **Fink** [Hil97]. **first** [BAP13]. **Fitting** [VRM02]. **five** [GA96]. **Flexible** [ESSL99, RS94, GHST12, MSLS13]. **flood** [MCvM10]. **Flow** [CCBPGA15, ADLN08, FP95, GR93, WB95]. **fluid** [GHW00]. **Fly** [HJ15]. **footprint** [SVR⁺07]. **force** [AJ94]. **forecast** [DTV00, Ros00]. **forecasting** [WCG95]. **Foreword** [Ano05, CK08]. **format** [CGL08]. **Formation** [SCAP16, BAN02]. **Formula** [AJJF14]. **formulation** [KHSJ95]. **Fortran** [Ben99, Ano93, DDS99, Zim07, ACIK97, AJJF14, AGG⁺97, BCS01, BCC⁺92, BMN⁺97, CMZ92, DS97, Hig93, HMR⁺15, HZ99, KMR⁺97, KOM94, KGV97, LP99, McC96, MH95, Met99a, Met99b, Mor15, NCMF15, NDSG07, OPE⁺95, PMM94, PCS99, RRM⁺15, RN07, RMX05, Sch03a, Sny07, Szy07]. **Fortran-like** [KGV97]. **Fortran-P** [OPE⁺95]. **FORTRAN/journal** [Ano93]. **Fortran90** [DNS97]. **Fortran95** [DN04]. **ForTrilinos** [MRLF12]. **ForUML** [NCMF15]. **Forward** [ACCTA⁺15]. **FP** [JFPL16, ZYLZ15]. **FP-ABC** [JFPL16]. **FP-Growth** [ZYLZ15].

FPGA [OCC⁺16]. **FPGA-Aware** [OCC⁺16]. **Fractional** [PDA⁺08]. **Fragmentation** [GWZ16]. **Framework** [BGLR93, CKKK15, FGROL⁺16, Pla04, SZAG15, SW16, SZXL16, ACB⁺02, ACIK97, BDM⁺04, BBK⁺11, BHK⁺13, CR05, DSS⁺05, MCvM10, OPP11, TPKP13]. **Framework-based** [BGLR93]. **Free** [ZWW16, Bjø00, GHW00]. **friendly** [Hem00]. **Fujitsu** [DTV00]. **function** [KMB09]. **Functional** [BH96, DFP96, Den96, WC96]. **Fusion** [MWQ16, PKE⁺10]. **future** [JIC⁺14]. **Fuzzy** [NM16, SZC16].

G [ABB⁺02, KVW⁺07, TF04]. **gamma** [BCHL05]. **gamma-ray** [BCHL05]. **gap** [SH94]. **GCR** [CKKK15]. **GDMF** [SSM⁺02]. **Geant4** [SCD⁺15]. **gene** [ZGW08]. **general** [Hem00, Mat94, RR07, SS00, SF03b, SF03a]. **Generalized** [CBRRRC⁺16]. **Generating** [SO15, BCC⁺92]. **generation** [BDM⁺04, BHK⁺13]. **generator** [SF03b, SF03a]. **generic** [BH12, PPS12a, VHBR93]. **Genetic** [CLTX16, KS15]. **gentle** [Ste97]. **GFDL** [Hem00]. **ghosting** [MSLS13]. **Giga** [GKL⁺96]. **Global** [AKA16, KGMM15, Ros00, WB16, FC01, HMCH07, Wan02]. **GMA** [KCO⁺05]. **GMRES** [PBK01]. **Gockenbach** [Ano07b]. **Good** [Ano07c, Mat03]. **Gordon** [Per08]. **governed** [BH02]. **GPU** [CFR14, CCBPGA15, GW11, Jes10, XTCC15, YTD15]. **GPUs** [BBDN11]. **gradient** [GG05]. **grain** [HPD09, KB96]. **Granularity** [WS15]. **Graph** [Lin04, PMCF94]. **Graphical** [PHH95]. **graphics** [BB09]. **Gravitational** [ACCTA⁺15]. **Great** [Ste97]. **Grid** [DK02, KCO⁺05, ACB⁺02, CJS⁺02, GRC03, MPP⁺04, Pla04, HP02, ABB⁺02, ACB⁺02, AMM05, BBF⁺04, BBL08, COB⁺00, CQF05, HHML05, HLM⁺05, KFFZ05, KVW⁺07, KLN⁺04, MAG⁺07, PPD05, Pro07, Rom02, SZ04, SSM⁺02, TF04, VCT05]. **Grid-based** [ABB⁺02]. **Grid-enabled** [KVW⁺07]. **GRIDCC** [MAG⁺07]. **GridLab** [KLN⁺04]. **Grids** [PPJ⁺15, SN02, ITF⁺08, Özt04, SLJ⁺00]. **GridWay** [HHML05]. **Grinding** [WS15]. **GROMOS96** [BCS01]. **Groovy** [PSM⁺15]. **GroovyLab** [PSM⁺15]. **Group** [DPMB16]. **Growth** [ZYLZ15, GGJ04, Szy07]. **Grunwald** [Bry96]. **GSSIM** [BKK⁺11]. **GTS** [PKE⁺10]. **Guest** [Ger02, O’K00, Sne95]. **Guest-Editorial** [Ger02, O’K00]. **Guide** [Ano07c, Hil97]. **guidelines** [GB94].

H [Hil97, Mic97]. **Hadoop** [SZXL16]. **Handling** [Che93a]. **Hardware** [DGH⁺15, MOS16, vDKH01]. **Hardware/Software** [MOS16]. **hashed** [War14]. **HBase** [CTCG15]. **help** [BFH96]. **HeNCE** [BDG⁺94]. **heterogeneity** [LR05]. **Heterogeneous** [BB09, CCTY15, HMSW92, LWW16, SRO⁺15, TT16, WWLG16, BCHL05, BDG⁺94, BBK⁺11, BDH⁺10, DRL13, JHNP14, KK11, PVL⁺04, PRM⁺14, RLL⁺02]. **Heuristic** [LWW16]. **Heuristics** [KGMM15, SLBZ16, FB99]. **Heuristics-Based** [SLBZ16]. **Hidden** [XML⁺16, BH02, LB02, VRM02]. **hierarchical** [BDV03, DZKS13]. **Hierarchically** [YTD15]. **hierarchy** [BPC⁺09]. **High** [Ano99b, Ano08b, CTCG15, GM14, GGP09, GBK⁺96, HMR⁺15, HKL⁺12, LBvBW12, Nag05a, Nor07, WSZK09, AB96, BTS⁺14, CB99, FP00b, GGMS99, IR02, KMB09, Lan03, LG03, MMG⁺02, NJ08, VvAC⁺09, Zim07, ACIK97, Ano93, AGG⁺97, BMN⁺97, DS97, KMR⁺97, KOM94, KGV97, MH95]. **High-level** [LBvBW12]. **High-Performance** [GBK⁺96, HMR⁺15, HKL⁺12, AB96, FP00b, KMB09, LG03].

high-resolution [VvAC⁺09]. **highly** [GBH14]. **highly-scalable** [GBH14]. **HMM** [Abd02]. **HMM-based** [Abd02]. **hoc** [BDM⁺04]. **Hole** [YDC⁺16]. **homogeneity** [KTP05]. **host** [Din99]. **HPC** [BFGH14, DGH⁺15, STD⁺14]. **HPF** [BDV03]. **HSIP** [WWLG16]. **Humphrey** [Ano07a]. **Huss** [Nag05b]. **Hybrid** [ÁRCPS15, ATZ⁺15, DFP96, KS15, SW16, SZC16, WS15, CFR14, JR10, KeKR⁺11]. **Hypervisor** [OCC⁺16]. **Hysteresis** [WS15].

I/O [OSLK12, NsP16]. **IBM** [KGBB09, Was95]. **Ideas** [BBG⁺93, Ste97]. **Identifying** [ZCXQ16]. **IDL** [ESSL99]. **IFS** [DTV00]. **II** [PPS⁺12b, Per08]. **image** [GKL⁺96, RLC04]. **images** [VvAC⁺09]. **impact** [FSV14, HLM⁺05]. **imperative** [DFP96]. **Implementation** [BHP⁺03, CTC⁺15, KMB09, NsP16, SKU⁺09, SSC97, TOF⁺14, BS01, BDV03, CBCM93, CDO⁺96, CIN⁺96, CW93, FS01, Gus93, PPD05, PCS99]. **implementations** [ADS95, BH96, PBK01]. **implemented** [Hav00b]. **Implementing** [Ano07b, CS94, HJ96, Lan03, VGC09, YZZ15, DN04]. **implications** [DF14]. **implicit** [SCSJ09]. **Improve** [AIS16, GB15, Sin99]. **Improved** [ZYLZ15, War14, vDKH01]. **Improving** [BBDN11, RR04]. **Impulse** [CHS⁺99]. **Incorporating** [BGH99]. **incremental** [TOF⁺14]. **independent** [GL04]. **Index** [Ano99a, Ano00, Ano08a, Ano09, Ano11a, Ano12, Ano14, CTC⁺15, XML⁺16, Ano97a, BSF96]. **indicator** [FSV14]. **Individual** [GGJ04]. **Individual-based** [GGJ04]. **Indoor** [LWYS16]. **Industrial** [Nag04, ZCXQ16]. **Inferring** [PSU08]. **inflation** [OdSSP13]. **influence** [SCSJ09]. **influences** [RX04]. **influenza** [LSB12]. **informatics** [BFH96]. **Information** [AIS16, Met99a, Met99b, PHH95]. **Infrastructure** [CMTAC⁺16, SPPH15, KeKR⁺11, Rom02, SGM⁺08].

Infrastructure-Based [SPPH15]. **Inheritance** [Mor15]. **input** [GB94]. **Insights** [WCZ⁺16]. **Instruction** [GR93]. **instrument** [KCO⁺05]. **Integrated** [DGH⁺15, RKR⁺99]. **Integrating** [FMA16]. **integration** [IRSD99]. **Integrity** [HHD⁺16]. **Intel** [CBCM93, DGH⁺15, SCD⁺15, SRO⁺15, TSP⁺15]. **Intelligence** [NM16, SRTCL16, WCZ⁺16, Gil09]. **Intelligent** [GBK⁺96, SZC16]. **Intel(R)** [BGH99]. **intensive** [DRT⁺14, Slo12]. **Inter** [ITF⁺08]. **Inter-operating** [ITF⁺08]. **interactive** [BBLR03, KVVW⁺07]. **interchange** [VRW⁺03]. **Interest** [DPMB16, MGK⁺13]. **Interface** [SLD⁺16, Spo12, WOC99]. **Interfaces** [BKLS01]. **interference** [SCSJ09]. **intermediate** [Tým99]. **International** [GM14, PAR94, SO11, HB94]. **Internet** [WCZ⁺16]. **Interpreting** [PDGQ05]. **Interprocedural** [HBCM94, HS03]. **intervals** [CGL08]. **Intrepid** [BEK⁺12]. **Introduction** [Ano01, Ano02, Ano04a, MH95, PT09a, Sne95, VC93, WSP94, Ste97]. **Inventory** [ZGS16]. **inverse** [Wan02]. **inverses** [GG05]. **Investigating** [HMCH07, OPP11]. **iPSC** [CBCM93]. **iPSC/860** [CBCM93]. **irradiation** [GIKP95]. **Irregular** [KB96, PCS99, LOHA01, LP99]. **Isorropia** [BÇCD12]. **Issue** [JK10, PT09a, PT09b, SO11, VR13, BFGH14, BR11, GM14, HR12a, HR12b]. **Issues** [Ano99b, McC96, ARvW03]. **Itanium(R)** [GHH⁺02]. **iterative** [BHRT12, DEvdV01, SG96].

J [Hil97]. **Jack** [Nag05b]. **Jacobi** [BH96]. **JADE** [CGK⁺05]. **Janet** [BKLS01]. **Jason** [PCGLO14]. **Java** [Ano99b, BC99, BKLS01, DDS99, GRN99, GGMS99, MR02, MMG⁺02, PMTL14, Tým99, WOC99]. **Java-based** [GRN99, WOC99]. **JavaTM** [BGH99]. **JIST** [ARFS05]. **JIT** [BGH99]. **JLAPACK**

[DDS99, PMTL12]. **job** [FS01, KLN⁺04]. **job-execution** [FS01]. **Joseph** [Nag05a]. **journal** [Ano93]. **Jr.** [Hil97]. **Just** [ARFS05]. **Just-In-Time** [ARFS05].

Kaiser [Bry96]. **Kemari** [KMR⁺97]. **kernels** [FSV14]. **Key** [Hem00].

Knowledge [HMSM08, YG16, AHCZ12, Gil09]. **Kokkos** [ESP⁺12]. **Komzsik** [Bor04]. **Koniges** [Nag04]. **KSR** [KBRS95]. **KSR-1** [KBRS95].

laboratory [ABB⁺02]. **laminar** [FP95]. **Lanczos** [Bor04]. **Landau** [Hil97]. **Language** [CHM⁺97, CP95, Hig93, JBLB15, AJ94, AMM05, AJJF14, BBG⁺93, CLM05, Che93a, Che93b, DSZ96, GGMS99, LG03, Met99a, Met99b, RS94, Szy07, VRW⁺03, VF95, WC96]. **Languages** [CCTY15, HJ96, JK10, KGV97, Mar05, Zim07]. **LAPACK** [ARvW03, DDS99]. **Large** [SZAG15, SZXL16, TSCT11, BHRT12, BPK00, CGL08, JEM07, MJLM07, MSCS14, RS94, WGW08]. **large-area** [JEM07]. **Large-Scale** [SZAG15, MJLM07, WGW08]. **Latency** [Kuf15, RS95]. **Lattice** [IB09]. **layout** [DZKS13]. **leadership** [WGW08]. **Learning** [PDROFRM16, KG08, LB02, PVL⁺04]. **Lederman** [Nag05b]. **Legacy** [RRM⁺15]. **LEO** [CCBPGA15]. **Letter** [Pre99]. **Level** [OCC⁺16, Vol97, COB⁺00, LBvBW12, RRV09]. **libraries** [ARvW03, PMTL12, PMTL14, SG96]. **library** [BŽvA⁺01, ESP⁺12, GHST12, GL04, GSM03, Lan03, VGC09]. **life** [KFFZ05]. **Lifting** [Sch03b]. **lightweight** [Ott93]. **like** [KGV97, PMTL14]. **Linda** [Lar93, Mat94]. **line** [BBF⁺04, RLL⁺02, SCB02]. **Linear** [ACIK97, WB16, YTD15, BHRT12, HKL⁺12, Kok07, MSSG11, RR07, SG96]. **Linearization** [WB16]. **Link** [CSM15, GMCT15, SSN15]. **linked** [HS03].

Linpack [KGBB09]. **Linux** [Nag05a, HHD⁺16]. **Live** [JFPL16]. **Load** [CKKK15, Din99, IRSD99, LTB02, PVL⁺04]. **Local** [LGC⁺16, FSV14, JIC⁺14, ZGW08]. **Locality** [MJB15, TLC15, HJYC10, RR04, Sin99, Zim07]. **Locality-Aware** [MJB15, HJYC10, Zim07]. **Locality-Centric** [TLC15]. **Locations** [Kuf15]. **Logging** [ZLL⁺15]. **long** [KTP05]. **lookup** [WSB11]. **loop** [NAA⁺03]. **loops** [LOHA01]. **Louis** [Bor04]. **Low** [RS95, YTD15, HB12, SZ04, TPKP13]. **low-communication** [TPKP13]. **low-cost** [SZ04]. **Low-Rank** [YTD15]. **low-variance** [HB12]. **LPARX** [KB96]. **LU** [CDO⁺96, DEL01]. **Lung** [AMN⁺12].

Machine

[AGIS94, CGC16, CLTX16, Hav00b, MJ95, PDROFRM16, SCAP16, ZHL16, GBJ94]. **Machine-Part** [SCAP16]. **Machines** [BMN⁺97, SJ15, SO15, BCC⁺93, BCC⁺00, HMCH07]. **MAGMA** [DGH⁺15]. **magnetic** [PKE⁺10]. **make** [Sch94]. **Management** [CMTAC⁺16, THS⁺15, YG16, BCK07, CJS⁺02, IB09, KeKR⁺11, KABW11, KLN⁺04, PRM⁺14, vDKH01]. **Managing** [ANEA08, AKA16, CDD⁺05, PPS12a, PPS⁺12b]. **Many** [CKKK15, TLC15, PTS⁺13, DGH⁺15]. **Many-Core** [CKKK15, TLC15, PTS⁺13]. **Many-Integrated-Core** [DGH⁺15]. **Manycore** [CCTY15, ESP⁺12, MJB15]. **Maple** [PPD05]. **mapping** [DSS⁺05, Den96, DRR12, PMCF94, SZ04]. **MapReduce** [MPA16]. **MapReduce-Based** [MPA16]. **maps** [KTP05]. **Marc** [Nag05b]. **Mark** [Ano07b]. **Markov** [BH02, LB02, VRM02]. **markup** [VRW⁺03]. **Mary** [Bry96]. **massive** [JK10]. **Massively** [GA96, Nag04, LH93, OPE⁺95, SS00, Sch94, WMR⁺94, WB95, WSP94]. **Matching** [TLC15]. **MatchMaking** [ITF⁺08]. **Materials** [HMSW92, NKV⁺02].

Mathematical [LGC⁺16]. **Matheuristic** [LGC⁺16]. **MATLAB** [PMTL14, CB99, Kok07]. **MATLAB-like** [PMTL14]. **Matrices** [CSM15]. **Matrix** [DEL01, VMRM16, YTD15, BBDN11, CFR14, KHSJ95, Lin04, VGC09]. **Maximizing** [HY15]. **May** [Met99a, Met99b]. **MC2** [DTV00]. **McrEngine** [IMB⁺13]. **means** [RLC04]. **Measurement** [ALL⁺16, WGW08]. **Measuring** [DPMB16, STD⁺14]. **mechanics** [DFP96, GW11]. **Mechanism** [THS⁺15]. **mechanisms** [Ott93]. **medium** [JK10]. **Memorial** [Per08]. **Memory** [BMN⁺97, CHS⁺99, SO15, SZXL16, TKS02, Bai95, BPC⁺09, DBVF01, FSV14, GL04, GBH14, HMCH07, JKR92, JIC⁺14, KMR⁺97, KHSJ95, LR05, NAA⁺03, OB96, Per08, PBK01, RS95, RMX05, SHHI01, SZ09, Shu94, ZS99]. **Memory-Based** [SZXL16]. **Menhir** [CB99]. **mental** [ADS95]. **Mesh** [KK09, BAN02, CL04, CW93, MSLS13, KK09]. **mesh-based** [CL04]. **Meshes** [SO15]. **message** [PBK01]. **message-passing** [PBK01]. **messages** [RS95]. **MESSIAHS** [CS94]. **Messina** [Mic97]. **metadata** [MPP⁺04]. **metaprogramming** [BMY13]. **Method** [ÁRCPS15, Bor04, HY15, HHD⁺16, MM16, NM16, TC96, WB16, YDC⁺16, DN04, GG05, PBK01, TOF⁺14, Ano07b]. **methodologies** [Hav00a]. **methodology** [HCJ08]. **Methods** [CKKK15, GMCT15, Mor94, Vol97, BCC⁺93, RR07, STD⁺14]. **Metric** [LWYS16, XML⁺16]. **Metrics** [GMCT15, LLW⁺14, RX04]. **MHDFS** [SZXL16]. **MIC** [CCBPGA15]. **micro** [ADLN08]. **micro-** [ADLN08]. **MicroGrid** [SLJ⁺00]. **Microimmune** [YZ16]. **middleware** [COB⁺00, VCT05]. **migratable** [BŽvA⁺01]. **Migrating** [SCAP16]. **Migration** [CCBPGA15, GWZ16, LZF16, HZ99, KLN⁺04]. **millennium** [Met99a, Met99b]. **MIMD** [PBK01]. **mind** [FML⁺14]. **Minimum** [CBRRC⁺16]. **Mining** [AIS16, HB12, KS15, SLD⁺16, ZYLZ15, AMN⁺12, AHCZ12, PSU08, ZRP08]. **Mirroring** [SSM⁺02]. **Missing** [WCZ⁺16]. **mission** [Nor07]. **mission-enabling** [Nor07]. **mitigating** [OdSSP13]. **Mixed** [LG03, RR07, SB01]. **Mixed-language** [LG03]. **MM5** [Mic00]. **MMXTM** [BGH99]. **Mobile** [ATZ⁺15, MR02, CKS⁺09]. **mobility** [BDM⁺04]. **mode** [SB01]. **Model** [BD16, DDMS15, HPZ16, KS15, KPS16, SZC16, XTCC15, BHK⁺13, BH02, BDV03, CIN⁺96, DTV00, Hem00, HMCH07, KBR95, Mar05, PMM94, Ros00, SZ09, SS00, SDS00, SBM⁺10, Wan02, War96]. **Model-Based** [BD16]. **Model-Centered** [DDMS15]. **Modeling** [DDMS14, SW16, ADLN08, BDM⁺04, GRR⁺03, LDV07, SLJ⁺00]. **Modelling** [ACCTA⁺15, LPHD04]. **Models** [CCTY15, WS15, LB02, MSSG11, VRM02]. **Modern** [HMR⁺15, LNK⁺15, AJJF14, NDSDG07]. **Modulation** [VMRM16]. **module** [BCS01, Sch03a]. **modules** [HB12]. **molecular** [BCS01, BPK00, DFP96, GIKP95]. **Monitoring** [BBL08, Kuf15, BBF⁺04, KCO⁺05, TF04]. **Monocular** [LWYS16]. **MOPEX** [JEM07]. **mosaics** [JEM07]. **motivated** [LLW⁺14]. **MP** [CKS⁺09]. **MPDATA** [SRO⁺15]. **MPI** [Nag05b, GBH14, HZ99, HPS⁺13, JR10, KB01, RST02, SB01]. **MPI-3** [GBH14]. **MPI/OpenMP** [JR10, SB01]. **Multi** [CKKK15, GGMS99, PT09a, PT09b, XTCC15, CIN⁺96, DF14, JR10, PVL⁺04, Zhe10]. **Multi-** [CKKK15]. **multi-agent** [PVL⁺04]. **Multi-core** [PT09a, PT09b, JR10, Zhe10]. **Multi-GPU** [XTCC15]. **Multi-language** [GGMS99]. **multi-model** [CIN⁺96]. **multi-objective** [DF14]. **multiagent** [PCGLO14].

Multibillion [SO15]. **MultiCache** [NsP16]. **multicomputers** [JKR92]. **Multicore** [BD16, KGMN15, LNK⁺15, NJ08, SJ15, YTD15, BB09, HPD09, LKDB10, PCGLO14, SZ09, SJR14]. **multidimensional** [ESP⁺12, FO96]. **Multidisciplinary** [CHM⁺97]. **multidisk** [GKL⁺96]. **multigrid** [AGIS94, GHST12]. **Multilayered** [NsP16]. **Multilevel** [MFB⁺15, JJY⁺03]. **multiphysics** [PPS12a, PPS⁺12b]. **Multiple** [CLA⁺15, Kuf15, MWQ16, Mor15, WS15, MGK⁺13]. **multiplication** [KHSJ95]. **multiplications** [BBDN11, GA96]. **Multiplicative** [WB16]. **multiprocessor** [CKS⁺09, GKL⁺96]. **MultiProcessors** [BDV03, LR05, RS95, AGIS94]. **Multiprogramming** [BHP⁺03]. **multiscale** [ADLN08]. **Multisupercomputer** [LZF16]. **Multitasking** [ATZ⁺15]. **Multithreaded** [SCD⁺15, HMC97]. **multithreading** [Sin99]. **MUST** [HPS⁺13]. **mutual** [Szy07].

NaaS [XST⁺16]. **naming** [Sch94]. **nanofluidic** [ADLN08]. **NAS** [SBM⁺10]. **Native** [BKLS01]. **navigation** [MJLM07]. **Navy** [Ros00]. **nearly** [CGL08]. **NEC** [DTV00]. **Nested** [BS01]. **Net** [HPZ16]. **Net/SLE** [WOC99]. **Netherlands** [MCvM10]. **Network** [DPMB16, GMCT15, HLPY16, KAS15, Kuf15, XST⁺16, ZCXQ16, ZWCY16, ASCH⁺07, BDG⁺94, CM02, CDD⁺05, CIN⁺96, DRT⁺14, DRL13, PSU08, WOC99]. **Networking** [GM14]. **Networks** [ÁRCPS15, CGC16, CSM15, GMCT15, SSN15, ZWW16, ADS95, BDM⁺04, DRL13]. **neural** [ADS95, CIN⁺96]. **neural-network** [CIN⁺96]. **neuronal** [PSU08]. **neutral** [SG96]. **next** [RN07]. **Nimrod** [PDA⁺08]. **Nimrod/E** [PDA⁺08]. **NINJA** [MMG⁺02]. **NoC** [MM16]. **Node** [XTCC15, BTS⁺14, JR10]. **non** [JIC⁺14, NAA⁺03]. **non-regular** [NAA⁺03]. **non-volatile** [JIC⁺14]. **nonaligned** [AGIS94]. **nonlinear** [BCHL05]. **normalized** [GG05]. **NoSQL** [CTC⁺15]. **Notation** [McC96]. **Novel** [FGROL⁺16, HPZ16, LWYS16, WWLG16]. **NUMA** [BCC⁺00, MJB15, TKS02]. **NUMA-based** [TKS02]. **Number** [GB94, NM16]. **Number-crunching** [GB94]. **numbers** [Che93a]. **numerical** [BC99, BAN02, DSZ96, DHH00, MMG⁺02, VF95, WCG95]. **numerics** [Bj00]. **NumPy** [AJJF14]. **NVRAM** [ZLL⁺15].

O [OSLK12, NsP16]. **Object** [BCC⁺93, CW93, Gus93, HMSW92, MOT97, NCMF15, BGLR93, BBG⁺93, BKP99, FS01, HST⁺93, KZRR94, KK11, VF95, WGF93]. **object-based** [KK11]. **Object-Oriented** [HMSW92, NCMF15, BCC⁺93, CW93, Gus93, MOT97, BGLR93, BKP99, HST⁺93, KZRR94, VF95, WGF93]. **objective** [DF14]. **ObjectMath** [VF95]. **objects** [MR02]. **observations** [HLM⁺11]. **observed** [BH02]. **ocean** [HMCH07, Mal01]. **oct** [War14]. **oct-tree** [War14]. **Octagonal** [NM16]. **ODE** [RR04]. **Oligonucleotide** [KTP05]. **Oliveira** [Ano07c]. **OMPM2001** [AE03]. **on-chip** [JK10]. **on-line** [BBF⁺04, RLL⁺02, SCB02]. **On-the-Fly** [HJ15]. **One** [GBH14]. **Online** [LWYS16]. **onto** [DSS⁺05]. **OON** [VC93]. **OON-SKI** [VC93]. **open** [SGM⁺08, SGM⁺08]. **OpenACC** [CCBPGA15]. **OpenCL** [FSV14, LNK⁺15, THS⁺15]. **OpenMP** [ARvW03, BHP⁺03, BCC⁺00, BS01, BDV03, CCBPGA15, DBVF01, HJYC10, JJY⁺03, JR10, KB01, LOHA01, Mal01, Mar05, Mat03, MJB15, Mü103, NPP⁺00, PVKE01, PKE⁺10, SHHI01, SKS01, SB01, Wan02]. **Operating** [WSP94, ITF⁺08, KZRR94, SCSJ09, WMR⁺94]. **Operational** [Ros00]. **operators** [GRC03]. **Opinion** [KS15]. **Optimal** [ACLS16, LZF16, PPJ⁺15, ZWW16].

optimisation [WD07]. **Optimization** [CLTX16, FMA16, MFB⁺15, McC96, SW16, SZC16, SCAP16, WB16, YZ16, ZJZ⁺16, BBLR03, DHH00, DZKS13, GSM03, LBvBW12, SKS01, Sin99, WSB11, XNQF04]. **Optimized** [Ang93]. **Optimizing** [CGC16, THS⁺15, ZLL⁺15]. **Optimizing** [BMN⁺97, CSC16, SVR⁺07, YZZ15, Zhe10, BAP13, BHK⁺13, CKS⁺09, SO93]. **Opus** [CHM⁺97]. **order** [BH02]. **ordering** [BÇCD12]. **ordinary** [Gus93]. **Orientation** [SC16]. **Oriented** [DPMB16, HMSW92, NCMF15, BGLR93, BCC⁺93, BKP99, CW93, Gus93, HST⁺93, KZR94, MOT97, VF95, WGF93]. **Otto** [Nag05b]. **Out-of-Core** [TC96, JIC⁺14]. **Outlier** [XML⁺16]. **overcome** [BFH96]. **Overlapping** [KB01, KCS15, PKE⁺10]. **Overview** [AJ94, HW12].

P [FP00a, OPE⁺95]. **P2P** [ASCH⁺07]. **P4** [Lar93]. **Package** [SSM⁺02]. **packaging** [CL04]. **PADDA** [Ger02]. **Pair** [YG16]. **Papers** [Old00, VR13, Ano97b]. **Parallel** [CBCM93, CLA⁺15, CLTX16, CR05, DDMS15, FP95, FOT92, GIKP95, GG05, GBK⁺96, JFPL16, LPHD04, Nag04, O'K00, Ott93, PAR94, PVKE01, SZAG15, SO11, SJ15, SE95, SO15, SCAP16, TLC15, WGF93, YDC⁺16, ARvW03, ARFS05, AJ94, ADS95, AGIS94, BCC⁺93, BBK⁺11, BBG⁺93, BB09, BÇCD12, BFH96, CLM05, CM02, CvHK97, DBVF01, DRR12, EAS⁺97, FP00a, FB99, GG95, GL04, GRN99, GRR⁺03, GA96, HMC97, Hav00b, HZ99, HB94, HJ96, KMR⁺97, KZR94, KLS⁺96, Lar93, LH93, Lin04, Mar05, Mic00, MSLS13, OPE⁺95, OdSSP13, OSS94, PVL⁺04, PMCF94, RR07, RKR⁺99, RS94, SCSJ09, SS00, SDS00, Sch94, SJR14, SGM⁺08, SBM⁺10, Shu94, SCB02, SBJV11, VGC09, WCKD07, War96, War14, WMR⁺94, WB95, WCG95, WSP94, WGW08, ZS99, JEM07, PDGQ05]. **parallel/distributed** [FB99].

parallelisation [IJL⁺01]. **parallelism** [BS01, HPD09, JK10, KB96, RRV09]. **Parallelization** [JR10, KBRS95, Vol97, BCS01, JJY⁺03, Kes96, LP99, MSH99]. **Parallelize** [RRM⁺15]. **Parallelizing** [KCS15, OB96]. **Parameter** [COB⁺00, CLTX16, PDA⁺08, TOF⁺14]. **Parkbench** [HB94]. **PARMACS** [HZ99]. **Part** [SCAP16, ZGS16, HR12a, HR12b, PPS12a, PPS⁺12b]. **Parthenogenetic** [SLBZ16]. **partial** [PPS⁺12b]. **particle** [CBCM93]. **Partitioning** [BÇCD12, MOS16, CP95, LR05]. **Partnership** [KJG⁺08]. **passing** [PBK01]. **Path** [LZF16, NM16]. **Pattern** [GRC03, Kes96, DRT⁺14]. **Pattern-driven** [Kes96]. **Patterns** [HMR⁺15, CFR14, ESSL99, GSM03, ZS99]. **Paul** [Hil97, Mic97]. **pC** [BBG⁺93]. **PCN** [FOT92]. **PDDP** [War96]. **PDE** [KK09, LBvBW12, SF03b, SF03a]. **PDE-constrained** [LBvBW12]. **PDEs** [BEK⁺12]. **PDS** [BDLL94]. **peak** [SH94]. **peer** [XNQF04]. **peer-to-peer** [XNQF04]. **Pegasus** [DSS⁺05]. **penultimate** [Met99a, Met99b]. **PerfExplorer** [HMSM08]. **Performance** [ACIK97, Ano93, Ano99b, ACCTA⁺15, AGG⁺97, BMN⁺97, CCBPGA15, DS97, DTV00, GB15, GM14, GGP09, GBK⁺96, HMR⁺15, HP02, JMR⁺11, KMR⁺97, KOM94, KZR94, KGV97, LNK⁺15, MJLM07, MSSG11, MH95, Nag05a, SCD⁺15, SSC97, WGW08, Ano08b, AB96, AE03, BBF⁺04, BDLL94, BTS⁺14, BDV03, CLM05, CMM⁺02, CB99, CKS⁺09, ESP⁺12, FP00a, FSV14, FP00b, GGMS99, GRR⁺03, HCJ08, HLM⁺11, HKL⁺12, HMSM08, IR02, KMB09, Lan03, LDV07, LG03, MMG⁺02, NJ08, Nor07, SS00, SH94, SGM⁺08, SBM⁺10, SE95, TOF⁺14, TF04, WHRH07, WSZK09]. **performance-portability** [ESP⁺12]. **performance-prediction** [BDV03]. **performing** [PMTL12]. **permutations**

[BSF96]. **persistence** [CDD⁺05].
Perspective [DPMB16]. **peta** [Zim07].
peta-scale [Zim07]. **petaflops** [Mic97].
PetaShare [KABW11]. **Petri** [HPZ16].
Pfortran [BCS01]. **PGHPF** [BMN⁺97].
Phase [ACLS16, TC96, VMRM16]. **Phi**
[ACCTA⁺15, DGH⁺15, SCD⁺15, SRO⁺15,
TSP⁺15]. **physically** [LLW⁺14]. **physics**
[BHK⁺13, RX04]. **PIC** [BDV03]. **Pictorial**
[Bry96]. **Pipeline** [DDMS15]. **Pipelining**
[ATZ⁺15]. **place** [FO96]. **Placement**
[ACLS16, CGC16, ZHL16]. **Placements**
[Wu16]. **plasma** [LG03]. **Platform**
[GWZ16, XST⁺16, CGK⁺05, PCGLO14].
platforms [CFR14]. **Playa** [HKL⁺12].
plume [WCKD07]. **point** [KMB09].
pointer [HS03]. **pointer-linked** [HS03].
Policy [JFPL16, SZ04]. **Polish** [ZG15].
polymorphism [DN04]. **Polyshift** [GBJ94].
Port [DGH⁺15]. **portability** [ESP⁺12].
Portable [BŽvA⁺01, GL04, KMR⁺97].
Portal [KBG⁺02]. **Porting** [HHML05].
Potential [SLBZ16]. **Power** [KGBB09].
ppOpen [TOF⁺14]. **ppOpen-AT**
[TOF⁺14]. **Practical** [KOM94, FML⁺14].
Precise [HBCM94, Mor94]. **precision**
[Sch03a]. **preconditioned** [GG05].
preconditioners [JHNP14, MOT97].
preconditioning [GHST12]. **Prediction**
[GMCT15, Ros00, SSN15, AMN⁺12, BDV03,
FP95]. **predictive** [GRN99].
predictive-adaptive [GRN99]. **Preface**
[Ano04b]. **Prefiltering** [GB15].
preliminary [BKP99]. **Pressure**
[CKKK15]. **Pricing** [ZGS16, BTS⁺14].
primordial [BAN02]. **Problem**
[CBRRC⁺16, GWZ16, GB94, Lan01,
VRW⁺03, WGF93]. **Problems**
[BD16, FMA16, SW16, SCAP16, GHW00,
JHNP14, SDS00, VHBR93]. **Process**
[MOS16, BH02, Shu94]. **processes** [CR05].
processing
[BB09, Den96, FP95, TFN11, VF95].
processor [GHH⁺02, HMCH07, KGBB09, Sin99].
Processors [ATZ⁺15, MJB15, YZZ15,
ARFS05, Ano08b, KMR⁺97, OPE⁺95,
PTS⁺13, PRM⁺14, PCGLO14, Nag04].
Produced [CBRRC⁺16]. **product**
[GA96, KHSJ95]. **Production** [ZGS16].
Productive [FOT92]. **productivity**
[Zim07]. **Professional** [ÁRCPS15]. **Profile**
[SC16]. **profiling** [BB08, CKS⁺09].
program [CMM⁺02, HST⁺93, RR04].
programmable [HKL⁺12]. **programmer**
[OB96]. **Programming**
[CCTY15, CMZ92, DS97, DDMS15,
DGH⁺15, FOT92, GBK⁺96, KGBB09,
KK11, LGC⁺16, Nag04, PT09a, PT09b,
SW16, SZC16, SRTCL16, WB16, XTCC15,
YZ16, BH12, BBK⁺11, BB09, BFH96,
CLM05, Che93a, Che93b, CvHK97, DHH00,
EAS⁺97, GL04, GBH14, GGMS99, GHW00,
HMC97, Hav00b, Lar93, Mat94, NDSG07,
PVKE01, PMM94, PPS12a, SBM⁺10, Slo12,
Sny07, Szy07, VCT05, Wan02, War96, Hil97].
Programs
[BCC⁺92, MJB15, Den96, DF14, FP00a,
GG95, GRR⁺03, LDV07, LP99, OPE⁺95,
OdSSP13, RS94, SKS01, TKS02, Zhe10].
project [HW12, HR12a, HR12b].
properties [Din99]. **propulsion** [WCKD07].
Protein [CLA⁺15, KG08, WSZK09].
protocol [MPP⁺04]. **prototyping** [DSZ96].
provisioning [JDVM10, OPP11, Slo12].
PSEs [HP02]. **psychological** [VRM02].
Public [PAR94, HB94, RST02]. **PUMA**
[WMR⁺94]. **purpose** [Mat94]. **Python**
[CLM05, DDMS14, Spo12]. **PyTrilinos**
[Spo12].
QCD [IB09]. **QoS**
[HLPY16, MAG⁺07, Slo12]. **QR**
[CDO⁺96, KD09]. **Quality**
[ÁRCPS15, KFFZ05, PMCF94].
quality-cost [PMCF94]. **quantification**
[GW11]. **Quantitative** [AE03]. **quantum**
[RX04, KJG⁺08]. **Quasi** [PPJ⁺15].

Quasi-Optimal [PPJ⁺15]. **Questions** [SHM97, SN02]. **queueing** [DDMS14].

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