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2015 [PVG17]. **2DT** [BARSW95]. **2DT-FP** [BARSW95].
3.0 [KaM10, OP10].
512 [RSJ+19].
95 [KaM10].
A. [Swa88]. **Abingdon** [AM95].
abstraction [VR88]. **Abstractions** [BCL14, LQWP10, YAI95]. **Abstractive** [KSF+18]. **Accelerated** [DMC+18, KLK16, PES+18, SBC17].
Accelerating [FFS18, FRT+18, FJZ+15, HF14a, HF14b, LLGC17, MAWD+16, PTdSF+12, ZHF+19, ZTY+19].
Acceleration [BC10, MCFM12, STM15].
Accelerator [ALPS19, EK17, FVvL+16].
* [CS16]. + [HVF18, SBC17]. 0 [LS92]. 1 [LS92]. 2 [CTB14, ES11, IBA11]. 3 [BC15, HPVRPF15, HF14a, HF14b, JGM15, LLGC17, LHP+17, SJKA99, fSxWC18, SBC17]. < [JS06a]. > [JS06a]. (*R*) [BKT08, SM09]. ^{*TM*} [BKT08]. *kd* [WR18]. *l*₁ [GLLH17]. *m* [DPL86].
-D [ES11]. **-Minimization** [GLLH17].
-Tree [WR18]. **-way** [DPL86].
1000 [SSMO96]. **14** [HG18]. **16** [Swa88].
18th [DB08].
2 [ELK18]. **2.0** [RSJ+19]. **2000** [IPR+05].
2011 [MCE13]. **2013** [AG15]. **2014** [Bro15].

LWZ18, SWG⁺¹⁸, YZZ⁺¹⁹]. **Accelerators** [GP17]. **Access** [JG97, Joh94, LMHW18, OOR13, ZK07]. **Accesses** [GV95, LPB13]. **Accumulations** [MM16]. **Accumulative** [IH04]. **Accuracy** [CEP97, KP04]. **Accurate** [PZL⁺¹⁹, RGB⁺⁰⁸, TA99]. **Accurately** [BGdS09, Low00]. **Achieving** [AMP⁺⁰⁵, GAR⁺¹⁶, GS90, Won02]. **Acknowledgment** [Nic14]. **ACOTES** [MAB⁺¹¹]. **Action** [WZG⁺¹⁷]. **Activity** [FR95]. **Actor** [ZLC⁺¹⁹]. **ACTS** [DGMP09]. **Acyclic** [Hue97, ZLJA12]. **Adaptability** [SA10]. **Adaptation** [CCL12, SJT13]. **Adapting** [EFED05, JMSG02, PIP18]. **Adaptive** [BBB⁺¹⁷, BFRPVR⁺¹⁵, DJS12, GLLH17, GRV⁺¹⁷, GW19, GH89, HHW10, HP13, HR11, HTDL18, JLDF19, KSEG14, LLM⁺¹², LJE05, PSM97, RA09, SHC15, WR18, ZLD15]. **Address** [SS01, TAY⁺¹², HR11]. **Addressing** [GG13]. **Adjoining** [PS92, PW92]. **Adjustment** [ZLC⁺¹⁹]. **ADL** [PC13]. **ADL-Based** [PC13]. **Admission** [NYHA14]. **Advance** [SL14]. **Advanced** [DLRS13, MAB⁺¹¹, LF15, NdMMW16]. **Advantage** [TKN⁺⁰⁸]. **Affine** [Fea92b, KP95, LM00, Mon97, Fea92a]. **Affinity** [GRC⁺¹⁴]. **After** [AKBPV19]. **Again** [MP04]. **Against** [DDJ⁺¹⁸, FDY⁺¹⁹, GWHY19, MWES19]. **Age** [DKB⁺⁰⁹]. **Agent** [FLMR17a, FLMR17b, WLL⁺⁰⁸, STB⁺¹⁸]. **Agent-Based** [FLMR17a, FLMR17b]. **Agents** [ES06]. **Aggregation** [LSA⁺⁰⁷, SBN03]. **Aggressive** [SK14]. **Agnostic** [AVM⁺¹⁶, NAP02]. **ALE** [HAA⁺¹¹]. **Algebra** [CCG⁺¹⁴, CBR17, HKJ⁺¹⁸, KTRZ⁺¹⁷, MP04]. **algebraic** [SS89]. **Algorithm** [AFO⁺⁰⁸, AKT⁺¹⁴, BM09, CL96, Cra88, CDDM18, DMMS91, DWS16, DZW10, GF14, HNC⁺¹⁶, IP90, IKN00, JLDF19, JCW⁺¹⁸, KBD03, LLM⁺¹², LMP98, LF15, MMN15, MCT⁺¹⁸, Mer86, MB12b, Moh19, MVD⁺¹⁴, NFC⁺⁰⁹, NB15, NRR99, NRGB17, NdMMW16, PS92, RK92, SI11, SWL05, Spr92, ZTY⁺¹⁹, EG86, FcF87, GZ87, GT86, Hua89, JGA⁺⁸⁸, LS92, Sch92, SRV88]. **Algorithm-Based** [NRR99]. **Algorithmic** [DM17, EK17, GK18, SHK13, WE18, WMK19]. **Algorithms** [AT91, APR⁺¹⁸, AMAH01, AK17, ABSSS19, AGT17, BR14b, CAT18, CAP88, Dam07, DPS90, EO88, FG16, Ged13, GP17, GF14, HSXH19, IBA11, Iqb91, uHKAMFM16a, uHKAMFM16b, KPS14, LTSD15, Liv91, ÖO07, PIP18, RG15, SH87, SS92, SAS18, SKAT91, SJC18, SR90, Zey05, ZLD15, ZHF⁺¹⁹, DPL86, ECSS88, HFM88, SDJS98, Swa88, Zha89]. **Alias** [LC11, WGW04]. **Alignment** [FJZ⁺¹⁵]. **All-Parses** [IP90]. **All-Port** [IBA11]. **All-to-All** [FPY08a]. **Allgather** [QA11]. **Allocation** [BE14, CND95, DLX⁺¹⁷, LkCH94, NG92, PZL⁺¹⁹, ZLD15, EO88, NP98]. **Alloyed** [LLSS03]. **Allpairs** [SFAG14]. **Alltoall** [QA11]. **Alone** [DJR16]. **Alternative** [KF99, FcF87]. **Alternatives** [Bel94, MB99, NPT86]. **Altruism** [LCL19]. **Altruism-Based** [LCL19]. **Amdahl** [Ano87a, PM07]. **AMR** [NLRH07]. **Analyses** [CI96, GV95]. **Analysing** [BDD⁺¹⁸]. **Analysis** [AK96, ABTZ00, AFO⁺⁰⁸, AW98, BEA⁺¹⁹, BG96, BFRPVR⁺¹⁵, CSC⁺⁰⁰, CAZ02, CAT18, CPL⁺¹⁰, Fea91, Gha19, GH96, Jak19, KP04, LT17, LCL19, LY95, LHF⁺¹⁵, LWDL17, LHP⁺¹⁷, LC11, MP91, MHL95, MP04, PPEP08, RRH03, Sca11, SSP⁺⁹⁶, SO89, US05, WGW04, dMP⁺⁰³, AD86, GTK⁺⁸⁸, NPD89, RS90, KR87]. **Analytical** [KWA⁺¹⁰, VCP⁺¹³, ZJG17]. **Analytics** [FJA⁺¹⁸, FRT⁺¹⁸, LWF⁺¹⁹]. **Analyze** [ASW⁺¹⁵, Dem11]. **Analyzing** [APR⁺¹⁸, ALG⁺⁹⁵, DF98, FM09, HRH08, SD11]. **AND-parallel** [SRV88]. **AND-Parallelism**

[SH96, BS89]. **AND/OR** [RK92]. **Android** [AER⁺17]. **Animation** [BGMR11]. **Announcement** [Int98, Ano86d, Ano92]. **Anomalies** [Jan15]. **ANSI** [BG03]. **Anti** [CDRV98]. **Anti-** [CDRV98]. **APCFs** [KK11]. **APL** [GS90]. **app** [DJR16]. **Application** [ACC⁺02, API03, BGdS09, BS07, CZTM03, Dam07, FJO⁺16, HTDL18, JCH⁺08, JAW17, KS97, Mat17, MP04, Moh19, PG07, PB04, RSK09, Sek09, SKG09, TOM⁺11, VMS15, BH87, CRM92, WB87]. **Application-Aware** [JAW17]. **Application-Dependent** [VMS15]. **Application-Level** [HTDL18]. **Application-Specific** [API03, TOM⁺11]. **Applications** [Ano16a, Ano18b, BEA⁺19, BBR11b, BDD⁺18, CY14, CR19, CBR17, CHCL14, CPT14, DPT17, DFH17, DS16, DGMP09, EWHS11, FM09, GHM14, GS11, GS13, GRC⁺14, GGV17, Gre16, HK14, HMK09, HtBK⁺10, HLK⁺09, IPR⁺05, KMjC02, KPRS96, KTBP18, LRG14, LLW⁺17, LQWP10, LWLG11, MV17, Mar09, MAJD16, MG15, MCWK01, MANR09, Mis09, OK99, PPQV16, RLPN⁺02, RSJ⁺14, RGB⁺08, SR15, SÜCV17, SSB⁺17, SASH12, SBN03, TMHT96, WL16, WLL17, ZK07, ZZS⁺19, ZSH⁺12, GKMB87, SDJS98, SS89]. **applicative** [Hun87]. **Applied** [BUMS02, KaM10, Lin91a]. **Approach** [AK90b, AVM⁺16, BBB⁺17, CHB06, DM17, FCZ16, FJA⁺18, FJO⁺16, GYL92, JQWG15, KSF⁺18, KSA⁺18, LTF⁺12, LLL⁺15, MO91, NN95, OATGEL15a, PMV17, QZP15, STM15, VSDK09, qWJzKhC17, WS08, WEJS94]. **Approaches** [BUMS02, JCH⁺08, PCJ18, VRGC19]. **Appropriate** [Gen16]. **Approximate** [HZL16, Iqb91, TGT18, VCP⁺16]. **Arbitration** [BS91]. **ArchC** [ARB⁺05]. **Architectural** [LSHK09, NP01, SEP08, TCUV14, WGF⁺16]. **Architecture** [AP86, ARB⁺05, BGGT02, CHCL14, CFC⁺19, CDC09, DB08, DLRS13, FCJV99, GL92, HTZ⁺97, JLDS16, LHP⁺17, MB12a, MB99, MSPR18, NdMMW16, NAP02, RD08, STF⁺12, SJT13, ZTY⁺19, CB86, GKMB87]. **Architecture-Agnostic** [NAP02]. **Architectures** [Ano18b, Ano18a, BG96, BFG⁺10, CPG01, CND95, CJA00, GBPK07, Ged13, GGV17, HCEP98, HP13, LAD15, MCE13, MGJS15, Mis09, NFC⁺09, NdMCdMMW16, PJS⁺05, PMM⁺18, PG16, PVG17, RSJ⁺19, SJBV06, TJY99, TF94, VHK⁺18, ZLAV04, ZZS⁺19, LRG⁺91]. **Area** [Roy10, SWZ⁺15, WMN⁺17]. **Argument** [ABASS12, NG92]. **Argument-Fetching** [NG92]. **Arithmetic** [ABASS12]. **ARM** [MGL⁺17]. **ARMv8** [CFC⁺19]. **ARMv8-based** [CFC⁺19]. **Arnoldi** [LEA15]. **Array** [AM04, BG96, CZ12, CI96, Fea91, GV95, GS06, GW19, SMM94, TG05]. **Array-oriented** [CZ12]. **Arrays** [EHKT07]. **Arrival** [FPY08b, QA11]. **Art** [KPS14, LHL⁺16]. **ASIPs** [ALTT17]. **Aspect** [KKSP18]. **Assembly** [ABTZ00]. **Assessing** [KKSP18]. **Assessment** [FJA⁺18, Hal86]. **Assignment** [CB01, Fos89]. **Assisted** [GRV⁺17, MMG04, RMG⁺13, CMW⁺94]. **Asteroid** [RC16]. **Astronomy** [vNR11]. **ASW** [ZTY⁺19]. **Asynchronous** [BBC07, DF98, GSS10, GW19, SAS18, CG94]. **Atmospheric** [SMSH13]. **Atomic** [SW16, Win89]. **Atomics** [HVF18]. **Attack** [ABSSS19, MWES19]. **Attacks** [GWHY19]. **Attempting** [GYL92]. **Attribute** [MO91]. **Attributes** [BDD⁺18]. **Auction** [WWG⁺19]. **Auction-Based** [WWG⁺19]. **Auto** [CCG⁺14, Ged13]. **Auto-Tuning** [CCG⁺14, Ged13]. **Automata** [BR97, WSS18]. **Automated** [AZK⁺18, JGP⁺18, VNU19]. **Automatic** [AAB⁺16, API03, ALG⁺95, BG17, BGGT02, CZ12, CZTM03, Col95, CAZ02, EM14, FCRC16, GK94, GVB⁺06, GRC⁺14, GMS00, HHC⁺15, Jak19, JW16, LQWP10, SRS06,

SHK13, SSB⁺17, TFEK16, TG05, ZLC⁺19, vdSGBW08, KMV87]. **Automatically** [DDJ⁺18]. **Autonomic** [GGV17]. **Autonomous** [KK11]. **Autotuning** [BC15]. **Avoidance** [NBA13]. **Avoiding** [MMN15, SJBV06]. **AVX** [RSJ⁺19]. **AVX-512** [RSJ⁺19]. **Aware** [AAB⁺16, AVLV03, CTK⁺11, CAK17, DCX⁺17, FPCD14, JQWG15, JAW17, JLDF19, LQWP10, LGY16, LH19, Mar17, QA11, WTZ⁺19, XLWX19, YHGW16, MEP07]. **Awareness** [RGB⁺08]. **axioms** [FK87].

B [AP86, WZTH13]. **B-Queue** [WZTH13]. **B-Spline** [AP86]. **B.E.** [Sca11]. **Back** [LXL17]. **Backtracking** [BMA02, SRV88]. **Backtracking-Based** [BMA02]. **Backup** [XZX⁺15]. **BADCO** [VMS15]. **Balance** [YHGW16]. **balanced** [DPL86]. **Balancing** [ASW⁺15, AmWHM99, EWHS11, HR11, JK03, RLH14, RSJ⁺14, SR15]. **Bandwidth** [FPY08a, KSEG14]. **Bank** [GG13]. **bards** [Par86a]. **Barrier** [GH89, HTK98, JHLM01, Liv91, Lub90, Bro86, HFM88]. **Barriers** [GE90, SMC94]. **Based** [ABSSS19, AA15, BEA⁺19, BMA02, BDD⁺18, CLJH16, CND95, CDC09, CPMC96, DK16, DeB87, DM17, DGMP09, DWQ17, FLMR17a, FLMR17b, FCZ16, FJA⁺18, FR95, FJZ⁺15, FC11, FPCD14, FCRC16, GBPK07, GMB06, GGV17, GF14, GL18, GL92, HZL16, HmWHR97, HF14a, HF14b, HHC⁺15, JK12, JCW⁺18, KBD03, KKMS99, KF99, KT01, KJPN10, LLM⁺12, LLM16, LPF16, LJ09, LCL19, LLL⁺15, LWP04, LWDL17, LCL17, LYG⁺18, MLdIP02, MCFM12, MGL⁺17, MPR⁺05, NYHA14, NRR99, NRGB17, OB13, PC13, QZP15, RLH14, RSJ⁺14, RSJ⁺19, SAB11, SZH18, SJC18, SS17, SÜCV17, SHZ⁺14, fSxWC18, SW95, SWF⁺17, SDL17, TSS99, TFEK16, TESK06, TG05, UKT00, US05, WLL⁺08, WL16, WHC⁺17, WWG⁺19, YWW⁺19, YHGW16, ZLD15, ZWJK05, ZJG17, ZXY⁺15, ZHF⁺19, uRHH14, BBR11a, BC10, CFC⁺19, KWA⁺10, KSF⁺18, KM86, LP94, LJ08, MB12b, OATGEL15a, Pan08]. **based** [RD08, RK13, SL14, Mil88]. **Basis** [DMC⁺18, FT87, Sch92]. **Bat** [NRGB17]. **Batch** [QGT⁺19]. **be** [DM87, BGMR11]. **Behavior** [LGY16, TMHT96]. **Behavioral** [LCL19, TLSG05, VMS15]. **Belief** [MXP14]. **Benchmark** [SGJ⁺03, AM95]. **Benchmarking** [Cza17]. **Benchmarks** [TSB03]. **Berlekamp** [Moh19]. **Better** [DCX⁺17, Par86c]. **Between** [BS07, Cza17, AHKR01]. **Bézier** [PGLC⁺18]. **Bias** [DKB⁺09]. **Bidomain** [XOdFV⁺09]. **Big** [APR⁺18, DX14, H SXH19, LT17, RSA⁺18, WTZ⁺19]. **Billions** [qWlJzKhC17]. **Binaries** [JMSG02]. **Binary** [ABSSS19, ABvK⁺13, DPS90, HRC17, LSA⁺07, LYG⁺18, NRGB17, MA87]. **Binding** [Con88]. **Bio-Inspired** [Mis09]. **Bioinformatics** [VRGC19]. **Biological** [LHP⁺17, ECSS88]. **Biotechnology** [BR14a]. **Bipartite** [BM09]. **BitTorrent** [JJIL15]. **Black** [IS03]. **Blackboard** [Dav87]. **Blade** [SKG09]. **Block** [GRV⁺17, HCEP98, IS03, LF15, Low00, MP95, SMDJ19, TSS99]. **Block-Based** [TSS99]. **Block-Structured** [HCEP98, MP95]. **Blocked** [SMN09]. **BlockGraphChi** [SMDJ19]. **blocking** [BG17]. **Blocks** [CBR17, KTRZ⁺17]. **Blue** [MSA⁺07]. **Boltzmann** [SMN09]. **Boost** [HP13]. **Boosting** [KTBP18, LRG14]. **both** [LSM⁺18]. **Bottom** [SKG09]. **Bottom-Up** [SKG09]. **Bound** [Hun91, JGA⁺88]. **Boundaries** [SNB04]. **BPLG** [LAD15]. **Brain** [NFC⁺09]. **Branch** [BMA02, CHYP96, CEP97, Hun91, JSHP97, KMG01, LJ08, LLSS03, TF96, JGA⁺88]. **Branch-and-Bound** [Hun91, JGA⁺88]. **Breadth** [GAR⁺16]. **Breadth-First** [GAR⁺16]. **Breakdown** [LSHK09]. **Brief** [KPS14]. **Bringing** [GHM14]. **Broadband**

[Gsc07]. **Broadcast** [FPY08a, LS05, LM00]. **Broadcasting** [BB90]. **BSHIFT** [YZZ⁺19]. **BSP** [AGT17, FG16, HMF⁺13, Jak19]. **BSP-Why** [FG16]. **Buffer** [YJY16]. **Bug** [WLWZ15]. **Building** [CBR17, DMC⁺18, KTRZ⁺17]. **Burstiness** [RNJ⁺12]. **Bus** [GBPK07]. **Butterfly** [LAD15, Bro86]. **Bypassing** [MS99, OVA04]. **Byte** [KF99]. **Byte-Codes** [KF99]. **Bzip2** [GHDF19].

C [BG03, CAZ02, GH96, HG18, HTZ⁺97, PB04, SSB⁺17, YBRM14]. **Cache** [CMW90, FDY⁺19, JQWG15, KKZN12, KSEG14, KD15, LTL15, LGY16, LJE05, NIO⁺03, NBD98, PZL⁺19, PMHC03, RLPN⁺02, Roy10, SNB04, SS01, SS17, SJT13, TKN⁺08, TGT18, TFMP97, YDV19, YBDJ17]. **Cache-Coherent** [SS01]. **Cache-Incoherent** [TGT18]. **Cache-Integrated** [KKZN12]. **Caches** [BBGM95, MKAP05, PO07, TFMP97, WMC98]. **Caching** [KVG18]. **Cake** [CHSC18]. **Calculating** [LBT17]. **Call** [JK12]. **Calling** [JK12]. **can** [DM87]. **Capabilities** [OATGEL15b]. **Capturing** [FM09]. **Carbon** [CDC09]. **Cardiac** [LLGC17, XOfV⁺09]. **Carlo** [PES⁺18]. **Cartesian** [AKHD13]. **CAS** [MMG04]. **CAS-DSM** [MMG04]. **Cascade** [KTBP18]. **Case** [BKT08, CG94, CGPS18, CML04, DE00, LDHL05, SPS14, TESK06, KM86]. **Categorization** [LYL14]. **Cattle** [KSA⁺18]. **Caused** [MKAP05]. **CCAP** [JQWG15]. **ccNUMA** [NP01]. **Cell** [WSO⁺07, BGMR11, Gsc07, OOS⁺08, Sca11, SKG09]. **Cell/B.E.** [Sca11]. **Centers** [LVM16]. **Central** [FVvL⁺16]. **Centric** [CM06, FPCD14, KP01]. **Cetus** [BML⁺13, RMG⁺13]. **Challenges** [Bel94]. **Change** [LFHAM19]. **Channel** [Gha19, GL92, WQJY17]. **Channels** [FDY⁺19, KLK16, YDV19]. **Characteristics** [SH96, Tic90]. **Characterization** [AVM⁺16, YDV19]. **Characterizing** [BGdS09]. **Check** [NRR99]. **Checking** [AKBPV19, HMK09, TLSG05]. **Checkpointing** [LNP91, RMG⁺13]. **Chemistry** [CGN⁺09]. **Chinese** [FCZ16]. **Chip** [GRV⁺17, GG13, Gsc07, JLDF19, KKZN12, KSEG14, KT01, LS07, MVB⁺06, OP12, PM07, TGT18, TESK06, ZK07, ZGH⁺15, ZC09, AH08]. **Chip-Multiprocessors** [GRV⁺17, TGT18]. **Chips** [NCR⁺19]. **choice** [BS89]. **Cholesky** [GN89]. **church** [Ano86a]. **Circuit** [PMV17, WPC07]. **circuits** [BH87]. **CISL** [MPR⁺05]. **Clairvoyant** [SY08]. **Class** [BEP13, MPR⁺05, IPR⁺05]. **Class-Based** [MPR⁺05]. **Classification** [CHYP96, KTBP18, Mon97, QZP15]. **Cleaning** [MCT⁺18]. **Climate** [HNC⁺16, LHF⁺15]. **Cloaking** [MS99]. **CLOMP** [BGdS09]. **Closure** [CAP88, KP95, KPRS96, VK88]. **Cloud** [CAK17, HZL16, HC17, JQWG15, KJHB14, RLH14, WQJY17, XZX⁺15, XLWX19, uRHH14]. **Clouds** [JAW17, LTF⁺12]. **Cluster** [CYS16, EAT14, ES11, FPCD14, LJ09, LTL15, LSYG15, MLdlP02, NIK00, SCB⁺14]. **Cluster-Based** [FPCD14, LJ09]. **Clustered** [CPG01, GBPK07]. **Clustering** [BABW14, CAP88, DMC91, FCZ16]. **Clusters** [BEA⁺19, BS03, BC15, DWQ17, FPY08a, GCD⁺03, GSY⁺13, HC17, HOZ06, QA11, RPF18]. **CMP** [DLX⁺17, LTL15]. **CMPs** [BHJ06, FC11, KKZN12, LGY16]. **CNNs** [SWG⁺18]. **Co** [GRAG00, MPR⁺05, NB15]. **Co-Generation** [MPR⁺05]. **Co-operation** [NB15]. **Co-Scheduling** [GRAG00]. **Coarse** [NIO⁺03, PSM97, WW17, AD89]. **Coarse-Grain** [PSM97]. **Coarse-Grained** [WW17]. **Code** [AKBPV19, ABTZ00, BTB⁺13, CPG01, GBLG10, GK94, HRC17, JS10, KaM10, KAMAMA17, LF15, LC11, MGW99, MCA98, MP04, NRB94, ÖO07,

PB04, TFEK16, TF94, WNMW16]. **Codes** [CAZ02, ELGE17, HTK98, KF99, RMG⁺¹³].

Coding [DLRS13, MB12b, SSEA14, YMW⁺¹⁷].

Coherence [CMW90, FC11, KSEG14, MPAG18, PMM⁺¹⁸, SNB04, YDV19, BCK98].

Coherence-Free [PMM⁺¹⁸]. **Coherent** [SS01, TGT18]. **Cohesion** [KKSP18].

Collaborative [Gen16, JCW⁺¹⁸, VSDK09, WLWZ15].

Collection [Cra88, AH86]. **Collective** [BG17, FPY08b, IBA11]. **Collector** [Fos89, LWLG11]. **Combining** [ABASS12, GV95, GH89, HSCI⁺¹⁶, LSM⁺¹⁸, LLSS03, RK92, SMC94, WMC98].

Coming [LS07]. **Commands** [GYL92]. **commentary** [Lin88a]. **Comments** [Swa88].

Commercial [NYHA14, RLPN⁺⁰²].

committed [BS89]. **committed-choice** [BS89]. **communicating** [Mai87, RS90].

Communication [AH08, BG17, CTB14, GAR⁺¹⁶, GL95, IBA11, IKN00, JQJ⁺¹⁶, KHH08, KKZN12, KT01, KTT⁺⁹⁹, LM00, MMN15, MEP07, MO91, OPLS17, PSM97, RGB⁺⁰⁸, TOM⁺¹¹, TA99, WZTH13, MO90].

Communication-Avoiding [MMN15].

Communication-Driven [TOM⁺¹¹].

Communications [Mon97]. **Compaction** [DH00, PYX17]. **Compactors** [ZC09].

Comparative [BFRPVR⁺¹⁵, HPVRPF15, LMPS05].

Compare [FLD15, Sun11].

Compare-and-Swap [FLD15, Sun11].

Comparison [BS07, HMF⁺¹³, OP10, SS01, ECSS88, FT87, GE89, Hua89, Kas86].

Compatibility [CS97]. **Competitive** [Gen16]. **Compilation** [AVLV03, GBLG10, HmWHR97, JB98, KL00]. **Compile** [KCW⁺⁰⁵, vdSGBW08]. **Compile-Time** [KCW⁺⁰⁵]. **Compile/Run** [vdSGBW08].

Compile/Run-time [vdSGBW08].

Compiler [AZK⁺¹⁸, ALPS19, BML⁺¹³, BKT08, CGN⁺⁰⁹, CTK⁺¹¹, CP04, CFB94, CEH13, EM13, FKM⁺¹¹, GBC⁺⁰⁸, HTK98, JCD⁺¹⁴, Ken94, KTT⁺⁹⁹, LEL⁺⁹⁹, MMG04, MO91, MCA98, MAB⁺¹¹, PB04, RMG⁺¹³, RBES00, SSP⁺⁰⁰, SBC17, SG00, TMHT96, TJY99, YZ13].

Compiler-Assisted [RMG⁺¹³].

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Compiler-Towards [SSP⁺⁰⁰]. **Compilers** [MPR⁺⁰⁵, ME15, SGK12]. **Compiling** [HTZ⁺⁹⁷]. **Complementary** [LkCH94].

Complete [BdS07]. **Complex** [AMP⁺⁰⁵, CHCL14, fS18]. **Complexity** [DFH17]. **Component** [EFED05, MLdlP02, fSxWC18].

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Compute-intensive [LSM⁺¹⁸]. **Computer** [ACC⁺⁰², Ano18a, DB08, DMC91, Kuc94, MCE13, MGJS15, MB12a, PVG17].

Computers [Bel94, GHC⁺¹⁷, HOZ06, MLdlP02, Ano87d, Gao86]. **Computing** [APR⁺¹⁸, ACD⁺¹⁶, Ano16b, Ano18b, BE14, Car09, CTP13, CGPS18, CSTGL03, DDD⁺¹⁹, DFH17, Den94, FKT12, GWYQ18, Gha19, HMF⁺¹³, HLS15, HS16, KJHB14, LLGC17, LRG14, MB12a, OATGEL15b, OG11, PLN⁺⁰⁴, RLH14,

SM09, SZ17, SWG⁺¹⁸, TRL09, TAY⁺¹², TFPF18, VCP⁺¹⁶, WTZ⁺¹⁹, WSO⁺⁰⁷, WGW04, Zha10, ZZS⁺¹⁹, NK88, DB08]. **Concatenation** [Zey05]. **Concept** [KaM10]. **Concurrency** [BAF94, Gen16, SB90, VSH⁺¹¹, WLWZ15, AD86, CP88, DM87, Pra86]. **concurrency/synchronization** [AD86]. **Concurrent** [Ano16c, AR16, CHSC18, GMP89, LWDL17, PB01, SBC17, TSS86]. **Condition** [NBN⁺¹⁵]. **Conditional** [LNG12]. **Conditions** [MJ02]. **Conference** [MCE13, PVG17]. **Confidence** [KMG01]. **Conflict** [CRM17, NBA13]. **Conflicts** [GG13, SD11, WS14]. **Conformance** [TLSG05]. **Congestion** [JLDF19]. **conjugate** [SDJS98]. **Connected** [DMC91, DWS16]. **Connection** [GH96, PW92]. **Connectionism** [Ano87b]. **Connections** [ALTT17]. **Conscious** [ZK07]. **Considering** [OPLS17, WMC98, XLWX19]. **Consistency** [BAP01, BBGM95, LNG12, SHZ⁺⁹¹]. **Consistent** [KS90, SH87, Swa88]. **Consolidation** [LVM16, XLWX19]. **Constant** [LMP98, MWES19]. **Constant-Time** [MWES19]. **Constrained** [BABW14, VCP⁺¹⁶]. **Constraint** [MRLR16, JB98]. **Constraints** [AKD98, AF15, API03, BBR11b, RBES00, SWZ⁺¹⁵]. **Construct** [Spr92, FcF87]. **Constructing** [DWQ17, KP05, DPL86]. **Construction** [BNWL90, CP04, WR18]. **constructs** [BCK98]. **Containers** [DK16, WP00]. **Contention** [Dem11, JQWG15, SMC94, SAL16]. **Contention-Aware** [JQWG15]. **Contention-Free** [SMC94]. **Context** [CJA00, IP90, Lan90]. **Context-free** [IP90, Lan90]. **Contexts** [JMSG02]. **Contraction** [SSP⁺⁹⁶]. **Control** [AmWHM99, FM09, Gen16, Kas86, MCA98, MJ02, NYHA14, SKA96, SB90, VSH⁺¹¹, YKM03, ZGH⁺¹⁵, FK87]. **Controlled** [DJS12]. **Controllers** [ANS⁺¹², MFGEL19]. **controlling** [VR88]. **Conversion** [AmWHM99, SJBV06]. **Convex** [SS92, SSMO96]. **Convolutional** [WZG⁺¹⁷]. **cooperating** [NP98]. **Cooperation** [LCL19, PTdSF⁺¹²]. **Cooperative** [NdMCdMMW16]. **Coordinated** [Gen16, LLM16]. **Coordination** [BCS⁺⁰⁹, CM06, GGV17, Sek09]. **Coprocessor** [BP17]. **Coq** [GHM14, LBT17]. **Core** [ABvK⁺¹³, AML⁺¹⁰, ABB⁺¹⁰, BKT08, CFC⁺¹⁹, GGV17, uHKAMFM16b, LHP⁺¹⁷, LZ17, PMM⁺¹⁸, RPF18, SSEA14, SHLJ17, SMDJ19, SASH12, SA10, VMS15, WZTH13, Zha10, vNR11, CZ12, Ged13, MXP14, NdMCdMMW16, QZP15, RC16, uHKAMFM16a]. **Core-to-Core** [WZTH13]. **Cores** [CTK⁺¹¹, HG18]. **Correction** [HTDL18, Moh19]. **Correctness** [HZL16, HMK09, SNB04]. **Correlated** [JW16]. **Correlating** [vNR11]. **Coscheduling** [FR95]. **Cost** [BDH⁺¹⁴, Jak19, VNU19, WS15, XLWX19, YZZ⁺¹⁹]. **Cost-Directed** [BDH⁺¹⁴]. **Coupled** [SS01, ZTY⁺¹⁹, Zey05]. **Coverage** [MAWD⁺¹⁶]. **Covering** [JLMW15]. **Covert** [WQJY17, YDV19]. **CovertInspector** [WQJY17]. **CPU** [BC15, FFS18, GGV17, GHC⁺¹⁷, LLGC17, LRG14, Moh19, NCR⁺¹⁹, PTdSF⁺¹², SSB⁺¹⁷, SBC17, WE18, ZTY⁺¹⁹]. **CPU/GPU** [GGV17, SSB⁺¹⁷]. **Credit** [YHGW16]. **Credit-Based** [YHGW16]. **Critical** [SK97]. **Cross** [AM95, DSR17, WCC16, ZJG17]. **Cross-ISA** [WCC16]. **Cross-Platform** [ZJG17]. **Cross-Thread** [DSR17]. **Crypto** [MWES19]. **Cryptography** [Dam07]. **CSP** [FcF87]. **CTA** [YHGW16]. **CUDA** [HLP11, HF14a, HF14b, KAMAMA17, LRG14, MGL⁺¹⁷]. **Curve** [Bos12]. **Custom** [MCFM12]. **Customization** [GSY⁺¹³]. **Cycle** [FCJV99, SAB11, TGT18, dMP⁺⁰³].

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Data- [LSM⁺18]. **Data-Centric**

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 [HZZ⁺19]. **Flow** [Ano16d, AmWHM99,
 BG96, FM09, GG14, GYL92, GV95, MCA98,
 MJ02, NRR99, SBN03, Gao86, RS90]. **Flows**
 [YKM03]. **fly** [KSJ14]. **FOG** [SHLJ17].
FORAY [ID08]. **Forecast** [BBB⁺17].
Forensics [ZXY⁺15]. **Forest** [YWY⁺18].
ForestGOMP [BFG⁺10]. **Foreword**
 [BmH98, NS97a]. **Fork95** [KS97]. **Form**
 [CB01, TG05]. **Formal**
 [BdS07, KP05, LMPS05, MP91].
Formalised [GGV18]. **Formats** [Mar09].
Fortran [KaM10]. **Forwarding** [CLJH16].
Forwarding-Based [CLJH16]. **Four**
 [TSS99]. **Fourth** [BP17]. **Fourth-Order**
 [BP17]. **FP** [BARSW95]. **FPGA**
 [KJPN10, MCFM12]. **FPGA-Based**
 [MCFM12]. **FPGAs** [STM15, VNU19].
Fractal [MP04, SC88]. **Fractional**
 [JLMW15]. **Framework**
 [ASW⁺15, AmWHM99, BFS05, CP04,
 CHB06, DKB⁺09, EWHS11, EHKT07,
 FJA⁺18, GWYQ18, JK12, KHH08, KKSP18,
 LFHAM19, MGL⁺17, PG07, SHLJ17, SW16,
 SBC17, TLSG05, TRL09, VFIN12,
 YWW⁺19, ZGH⁺15, ACD⁺14, LP94].
Frameworks [DX14, OP10, WTZ⁺19]. **Free**
 [AR16, FLD15, LFD17, PMM⁺18, SMC94,
 Sun11, IP90, Lan90]. **Friendly**
 [HZZ⁺19, OOR13]. **Frontiers**
 [Ano16b, CTP13, FKT12, TFPF18]. **FSI**
 [HAA⁺11]. **Full** [AK90a, GZJ18, MVD⁺14].
Fully [LF15]. **Functional**
 [ADC⁺17, ACC⁺01, AJF16, BARSW95,
 BFS05, GMP89, GS06, Hud86, KH18,
 Mat17, PC13, Gol88, Wai87]. **Functions**
 [ACC⁺01, CFF⁺06, DMC⁺18]. **Fusion**
 [EM14, Ken01, LZ17]. **Fuzzy** [GE90].

Games [CYS16]. **Garbage**
 [Cra88, Fos89, LWLG11, AH86]. **Gateway**
 [AML⁺10]. **Gaussian** [MVB⁺06]. **GCC**
 [FKM⁺11]. **GCD** [ABSSS19]. **GCM**

[GHM14, MSPR18]. **Gemini** [OXL⁺17]. **Gene** [AFO⁺08, MSA⁺07]. **Gene/L** [MSA⁺07]. **General** [DDJ⁺18, IP90, IH04, WP00, SS89]. **General-Purpose** [WP00]. **Generalization** [PMV17, WW17]. **Generalized** [GYL92, FcF87]. **Generate** [MGW99, BS89]. **generate-and-test** [BS89]. **Generated** [JCD⁺14, MCA98]. **Generating** [AK17, ALTT17]. **Generation** [BTB⁺13, CL96, Dar05, JW16, MPR⁺05, QRW00, SR90, SSB⁺17, TFEK16, qWlJzKhC17]. **Generator** [CPL⁺10]. **Generic** [GJK⁺05, GW19, MCT⁺18, SM16]. **Genetic** [AMAH01, BM09, MB12b, SO89]. **Genome** [BEA⁺19, OOR13]. **geometric** [SS89]. **Ghost** [MS11, KTRZ⁺17]. **Girth** [WS15]. **Given** [AK17]. **Glacial** [AW98]. **GLE** [DCX⁺17]. **GLE-Dedup** [DCX⁺17]. **Global** [AH86, LLSS03, PPQV16, RBES00, TAY⁺12]. **Globally** [DCX⁺17, TV15]. **Globally-Locally** [DCX⁺17]. **GMM** [fS18]. **Good** [YBDJ17]. **GOP** [SSEA14]. **GPGPU** [AAB⁺16, BCL14, BCL17, CBR17, STF⁺12, YZ13, YHGW16]. **GPGPUs** [LMHW18]. **GPI** [HKJ⁺18]. **GPS** [HVF18]. **GPU** [BC15, BC10, CDDM18, CTB14, DK16, DMMP18, DMC⁺18, FRT⁺18, FJZ⁺15, GLLH17, GGV17, GG13, KLK16, LRG14, LTF⁺12, LLW⁺17, LEG11, LAD15, LFHAM19, Moh19, MGL⁺17, NCR⁺19, OOR13, OATGEL15a, PTdSF⁺12, PES⁺18, RSA⁺18, SI11, SLZB13, SJC18, SSB⁺17, SBC17, SFAG14, SK14, WdSAM⁺17, WR18, WE18, ZYOY13, ZHF⁺19, ZTY⁺19]. **GPU-Accelerated** [DMC⁺18, SBC17]. **GPU-Based** [DK16, BC10, OATGEL15a]. **GPU-Friendly** [OOR13]. **GPUs** [GL18, HLP11, JLDS16, KPS14, MAWD⁺16, MS11, QGT⁺19]. **Grabbing** [Sun11]. **gradient** [SDJS98]. **GrADS** [BCC⁺05]. **Grain** [BG96, DV97, NRB94, NIO⁺03, PSM97]. **Grained** [CTK⁺11, GL92, SZH18, WW17, AD89]. **Grammar** [MO91]. **Grammars** [PW92]. **Granularity** [PSM97, ZLC⁺19]. **Graph** [BCL90, CBR17, CZTM03, GAR⁺16, GWHY19, GP94, HKJ⁺18, HSXH19, JK12, KSF⁺18, SHLJ17, SMDJ19, SSP⁺96, Spr92, TH17, WZB⁺92, ZHF⁺19, GZ87, HKJ⁺18]. **Graphical** [RG15]. **Graphics** [CPP⁺12, JGM15, SAB11]. **Graphs** [DV97, Hue97, KPRS96, LPF16, MXP14, OP10, OB13, Zha89]. **Greedy** [AT91, Ken01, Sun11]. **Grid** [BFRPVR⁺15, SASH12, WL16, AFM⁺06, BBC07, BCC⁺05, SR04]. **Grid-Based** [WL16]. **GridFOR** [WL16]. **Grids** [HP13, LLL⁺15, JS06b]. **Gröbner** [Sch92]. **Group** [KSA⁺18]. **Groups** [BBC07]. **Guaranteed** [MEP07]. **Guarded** [GYL92]. **Guards** [GYL92]. **Guest** [AG15, Bro19, CTP13, CAT18, DPT17, EA09, FKT12, GGE19, GK18, Gre16, HK14, HF06, HSXH19, LFL⁺17, LT17, MCE13, MGJS15, MGD⁺14, MA10, OG11, PP10, PVG17, SMM11, SGK12, SS10, TFPF18, ZZS⁺19, Ano00a, Ayg03, AM07b, Ban04a, Ban04b, Car09, EmH97, FmH96, Fur95, GSA08, Gau96, GS05, Giv07, Giv08, HN94, JS06a, JS06b, Joe99, Joe03, McK07, Mis09, Ora03, Pan08, Seh98, Vei01, Vei02]. **Guided** [MTT15]. **GVirtuS** [MGL⁺17]. **H** [Roy10]. **H-NMRU** [Roy10]. **Hadoop** [LSM⁺18, Mat17, NRGB17, RSA⁺18]. **Handle** [ELGE16]. **Handling** [DFC⁺07, FMSG17, RBES00]. **Hard** [FJO⁺16]. **Hardware** [AVM⁺16, CHSC18, CPMC96, GP17, GV99, HZZ⁺19, KT01, KTBP18, Lys08, MSA⁺07, NdMM09, NdMMW16, OXL⁺17, OPLS17, PMM⁺18, SWZ⁺15, SD11, SH15, STM15, WS14, YDV19, ZLAV04, vNR11]. **Hardware-Agnostic** [AVM⁺16]. **Hardware-Based** [CPMC96, KT01].

Hardware-Efficiency [KTBP18].
Hardware-Friendly [HZZ+19].
Hardware-Supported [SD11].
Hardware/Software
 [GV99, Lys08, OPLS17, SWZ+15, STM15].
HARE [JLDF19]. **Hash**
 [AR16, CHSC18, LFD17]. **Heap**
 [GH96, LLM16, AH86]. **Heap-Based**
 [LLM16]. **Heat** [LYG+18]. **Height**
 [ABASS12]. **Helper** [ZGH+15]. **Helping**
 [Sun11]. **Henderson** [Swa88].
Heterogeneous
 [AER+17, AMKE18, ABB+10, BEA+19,
 Bro15, Bro19, ELK18, GGV18, GMB+11,
 HtBK+10, HHC+15, KTRZ+17, LLGC17,
 LSYG15, LS05, MMN15, Mar17, MFGEL19,
 NCR+19, OATGEL15b, OP12, OPLS17,
 PGLC+18, SEP08, WLL17]. **Heuristics**
 [KPS14, CSG89]. **HEVC** [WdSAM+17].
HICOR [GK94]. **Hierarchical**
 [Bro15, GP94, MV17, NN95, PG16,
 SSMO96, WSS18]. **Hierarchically**
 [PPEP08]. **Hierarchies** [GVB+06].
Hierarchy [MCWK01]. **High**
 [APR+18, Ano16a, BE14, BCS+09, BCL17,
 BS07, Bro15, Bro19, Car09, DPT17, DFH17,
 DB08, GWYQ18, GGE19, GBLG10, Gha19,
 GK18, GJK+05, Gre16, GHDF19, GE90,
 HG18, HK14, Jan15, KP05, KTRZ+17,
 KJPN10, LPB13, LQWP10, LWP04, MB12a,
 MSPR18, NFC+09, NdMM09, OXL+17,
 PGLC+18, SH96, SAL16, SCB+14, TFEK16,
 TGT18, WCC16, WMN+17, WGW04, YZ13,
 YBRM14]. **High-Level**
 [Ano16a, Bro15, Bro19, DPT17, GGE19,
 GK18, Gre16, GHDF19, HG18, Jan15, KP05,
 LQWP10, SH96, WMN+17, HK14].
High-Performance
 [APR+18, GWYQ18, Gha19, GJK+05,
 LPB13, MB12a, NdMM09, PGLC+18,
 WCC16, WGW04, YBRM14, OXL+17].
High-Productivity [BCS+09].
High-Scalability [BS07]. **higher** [NPD89].
higher-order [NPD89]. **Highly**
 [TAY+12, XZX+15]. **Highly-Scalable**
 [TAY+12]. **History** [BEA+19, CEP97,
 JLDF19, LJ08, LLSS03, uRHH14].
History-Aware [JLDF19]. **History-Based**
 [BEA+19]. **Hitachi** [TSB03]. **HitFlow**
 [FBGEL19]. **HLFET** [PIP18]. **HPLGPU**
 [Bro15]. **HLPP** [Ano16a]. **Home** [WLL+08].
Homogeneous [MMN15].
Homomorphisms [LBT17, RG18].
horizontally [CB86]. **Hotspotting**
 [Ano86c]. **HP** [IPR+05]. **HPC**
 [CAK17, CAT18, HLK+09, JQJ+16,
 JQWG15, LLM+12, LFL+17]. **HW**
 [KBG+08]. **Hybrid** [ADC+17, BC15,
 CTB14, Cza17, DMMP18, EK14, FBGEL19,
 HSCI+16, JQJ+16, LFL+17, LRG14,
 RRH03, SR15, VSH+11, YWW+19, ZLJ+17].
Hydrodynamics [Zey05]. **Hypercube**
 [CSG89, DPS90, GE89, NK88, Wai87].
Hypercubes [BB90]. **HyperFatTree**
 [SWF+17]. **Hypergraph** [CND95].
Hypergraph-Based [CND95].
Hypersequential [UKT00].
Hyperspectral [LFHAM19].
Hyperthreading [HRH08].
I/O [AKT+14, MG15]. **ICCG** [IS03]. **IDE**
 [HLK+09]. **Identification**
 [BR14a, FR95, OP12, PYC16, WQJY17].
Identity [JGP+18]. **If** [AmWHM99].
If-Conversion [AmWHM99]. **II**
 [Fea92b, KR87]. **ILP** [SKA96]. **Image**
 [AM95, KBD03, RSK09, YWY+18]. **Images**
 [DPS90, KSA+18, LFHAM19]. **Immune**
 [MB12b]. **Immune-based** [MB12b].
Impact [BE14, KLG08]. **Imperative**
 [Jak19]. **Imperfectly** [AMP01].
Imperfectly-Nested [AMP01].
Implementation [AM95, AML+10,
 CGJK95, CDDM18, DMMP18, ES11, GP17,
 GH89, HAA+11, JSS+15, JLMW15, KS97,
 LS91, LWP04, MXP14, NdMMW16, NSS12,
 OGP+16, OXL+17, PB01, PC13, RG18,
 RSV+05, SM16, Sek09, SKG09, SY08,

WLL⁺08, WPC07, WS15, YZ13, ACD⁺14, GTK⁺88, TSS86, RK87]. **Implementations** [AJF16, BS07, BEG⁺10, DE00, HPVRPF15, MWES19, Moh19, NdMCdMMW16, TSS99]. **Implemented** [MLdlP02]. **Implementing** [BAP01, Mil88, SPS14, SFAG14]. **Implications** [NP01]. **Implicitly** [AHKR01, LEA15]. **Important** [Ano86d, Ano92]. **Improve** [CHPC96]. **Improved** [KSF⁺18, LYL14]. **Improving** [CHYP96, CEP97, GSY⁺13, JLJ⁺18, JHLM01, LWL⁺19, MCWK01, PJS⁺05, PMV17, RSJ⁺14, SBN03, SA10, XH98]. **In-Loop** [WdSAM⁺17]. **In-Memory** [WTZ⁺19]. **Inaccuracy** [JJIL15]. **Incoherent** [TGT18]. **Incorporating** [AK96]. **Increased** [KP04]. **Increasing** [HCEP98]. **Incremental** [CP04, XZX⁺15]. **Independent** [EW96, FSS06, Ken94, SH96]. **Index** [GFL00]. **Indexes** [YJY16]. **Induced** [LG10]. **Industrial** [BR14a, FJO⁺16]. **Inferential** [RKG04]. **InfiniBand** [LWP04, QA11]. **Infinite** [FLMR02, KPRS96]. **Information** [AFM⁺06, BE14, NRR99]. **Infrared** [YWY⁺18]. **Infrastructure** [BML⁺13, CEH13, EM13, SLZB13]. **Inheritance** [Tho87]. **Initial** [AW98, HmWHR97, TKM89]. **Initializing** [Hem89]. **Inlining** [LkCH94]. **Input** [SLZB13]. **Input-Sensitivity** [SLZB13]. **Inspired** [KPS14, Mis09, OGP⁺16]. **Instability** [DKB⁺09]. **Instability-Estimation** [DKB⁺09]. **Installation** [CCG⁺14]. **Instruction** [AHKR01, API03, BMA02, BR97, CSC⁺00, CZTM03, HCEP98, JLDS16, LZ17, MP95, MSJ01, NN95, OVA04, RD08, SBN03, Tou05, TF94, VHK⁺18, CMW⁺94, NP98]. **Instruction-level** [NN95]. **Instruction-Set** [API03]. **Instrumentation** [AVM⁺16, LSA⁺07]. **Integrated** [CPL⁺10, FRT⁺18, GV99, KKZN12]. **Integrating** [DTLW16]. **Integration** [GMP89, LLM⁺12, PSM97, dMP⁺03]. **Intel** [BKT08, BP17, Cza17, RSJ⁺19]. **Intel(R)** [BGGT02]. **Intensive** [DDD⁺19, LWLG11, RSJ⁺14, LSM⁺18]. **Inter** [GAR⁺16, KTT⁺99]. **Inter-Node** [GAR⁺16]. **Inter-Processor** [KTT⁺99]. **Interaction** [AHKR01, FJA⁺18, GGV18]. **Interactions** [MHCF98]. **Interactive** [SJKA99]. **Interchangeably** [DJR16]. **Interconnect** [GBPK07]. **Interconnection** [MANR09]. **Interconnects** [RA09]. **Interesting** [VRGC19]. **Interface** [DGMP09, GZJ18, HKJ⁺18, HTDL18, KBG⁺08]. **Interfaces** [KKZN12]. **Interference** [CEP97]. **Intermediate** [CFB94, GP94, GBC⁺08]. **Internal** [FWH⁺94]. **Internat** [Swa88]. **International** [DB08, MCE13, PVG17, SS10]. **Internet** [PYC16, PCJ18]. **Interpolation** [DMC⁺18]. **Interprocedural** [CAZ02, CI96, GH96, HPY01, LkCH94]. **Interprocess** [CMW90, MO91, MO90]. **Interprocessor** [CH95]. **Interval** [US05]. **Intra** [BGGT02]. **Intra-Register** [BGGT02]. **IntraModule** [MO91]. **Introducing** [SFAG14]. **Introduction** [Ano00a, Ano00b, Ano00c, Ano01, Ayg03, AM07a, AM07b, Ban94, Ban04a, Ban04b, Car09, CHS99, CmHS99, DB08, EmH97, EA09, Evr00, FmH96, Fur95, GSA08, Gau96, Giv07, Giv08, HmWHR97, HF06, JS06a, JS06b, Joe99, Joe03, LY98a, LY98b, McK07, MPZ06, Mis09, MA10, Ora03, Pan08, Pin95, Pin99, SMM11, Seh98, Vei01, Vei02]. **Introspection** [WHC⁺17]. **Introspection-Based** [WHC⁺17]. **Intrusion** [NRGB17, YWW⁺19]. **intrusive** [ZXY⁺15]. **Invalidate** [BAP01]. **Invasive** [SR15]. **invented** [Par86b]. **Inverse** [fSxWC18]. **Inversion** [ABSSS19, KMG01, MMN15, SMM94]. **IoT** [FJA⁺18]. **IP** [AML⁺10, LSHK09]. **IP-PBX** [AML⁺10]. **IP-PBX/VoIP** [AML⁺10].

Irregular [ACC⁺01, GF14, LLW⁺17, MCWK01, NST89]. **ISA** [MP95, WCC16].

Isomorphic [Ano87d]. **Issue** [Ano16b, Ano18b, Ano18a, AM07b, Bro19, Car09, DB08, GSA08, Gha19, Giv07, Giv08, HSXH19, MCE13, MGJS15, MB12a, Mis09, Pan08, PP10, PVG17, SS10, SZ17, TFPP18, WNMW16, ZZS⁺19, JS06b, BmH98]. **Issues** [Bel94, NS97a]. **Iteration** [HF14a, HF14b]. **Iterative** [MS11, Rau96, ZHF⁺19]. **Iterator** [GS11].

J [Swa88]. **Jacobi** [HOZ06]. **Jacobians** [BUMS02]. **Java** [AHKR01, FSS06, JQJ⁺16, JMSG02, KF99, WGW04, WP00]. **Job** [LLL⁺15, NSS12, WW17]. **Join** [RK92]. **Joint** [HOZ06]. **journal** [Ano86b]. **JPEG** [SEP08].

kD [STF⁺12]. **kD-tree** [STF⁺12]. **Kernel** [LYG⁺18, ZYOY13]. **Kernelized** [WCC16]. **Kernels** [SSB⁺17, WSO⁺07]. **Key** [PZL⁺19]. **knapsack** [LS92]. **Kutta** [BP17].

L [MSA⁺07]. **Lab** [ZC09]. **Lab-on-Chip** [ZC09]. **Labeling** [SH87, Swa88]. **LACross** [ZJG17]. **Lagrangian** [RSV⁺05]. **LALP** [MCFM12]. **LALR** [BNWL90]. **Language** [ARB⁺05, BARSW95, BCL17, CFB94, FCZ16, Fos89, GS06, Hud86, KS97, MCFM12, MPR⁺05, SM09, TFEK16, WL16]. **Languages**

[CK02, FMSG17, Lan90, PS92, NPD89].

Laplace [CTB14]. **Large** [Cza17, GL18, HC17, HR11, HKJ⁺18, KKZN12, LTSD15, LSA⁺07, LWGZ18, SGJ⁺03, SWF⁺17, WW17, ZWJK05].

Large-Scale [HC17, KKZN12, LWGZ18, SWF⁺17, WW17]. **Latency** [AK96, Bos12, HZL16, JG97, LSHK09, MEP07]. **Lattice** [HLP11, SMN09, SKG09]. **law** [Ano87a, PM07]. **layer** [OATGEL15b].

Layered [Tic90]. **Layout** [SASH12]. **Lazy** [CRM17]. **LCS** [GSP⁺17]. **Leaks** [JGP⁺18].

Learning [CR19, CDDM18, DS16, FFS18, FKM⁺11, MAWD⁺16, ZJG17].

Learning-Based [ZJG17]. **Leases** [CM06]. **least** [Ano86a]. **Left** [MP04]. **Legal** [KP95]. **Length** [EM14, VHK⁺18]. **Lessons** [Hal86].

Level [AG06, Ano16a, BCL17, Bro15, Bro19, DPT17, GGE19, GBLG10, GK18, Gre16, GHDF19, HG18, HTDL18, Jan15, KP05, LLW⁺17, LQWP10, MHCF98, MKAP05, SSP⁺00, SSEA14, SH96, SÜCV17, SMM94, SASH12, Tou05, WMN⁺17, XOdFV⁺09, YWW⁺19, ZLJ⁺17, BC10, HK14, NN95, WS08]. **Levels** [Gsc07]. **Leveraging**

[LTL15]. **LH** [CS16]. **Libraries** [GJK⁺05].

Library [BBR11a, LAD15, MFGEL19, SÜCV17, YKLD17, YBRM14]. **Life** [Ano87c]. **Lifetime** [SZH18]. **Light** [CM06].

Light-Weight [CM06]. **Lightweight** [PZL⁺19]. **Limit** [KEKK16, LS98]. **Limited** [JMSG02, uHKAMFM16a, uHKAMFM16b, GT86]. **Limits** [SS99]. **Line**

[SR90, TFMP97, ZC09]. **Linear** [CCG⁺14, CBR17, DWS16, FLMR02, HKJ⁺18, JLMW15, KS90, KFC08, KTRZ⁺17, LDHL05, MP04, SMM94, Gao86].

Link [STB⁺18]. **Linked** [HGT⁺12, HTmG⁺12, vdSGBW08]. **Links** [NIK00]. **List** [AF15, DS97, EM14, LBT17, SL14, vdSGBW08]. **List-based** [SL14]. **Live** [WHC⁺17, ZXY⁺15]. **LLVM** [RMG⁺13].

Load [ASW⁺15, BG96, EWHS11, JK03, RLH14, RSJ⁺14, YHGW16].

Load-Balance-Aware [YHGW16].

Load-Store [BG96]. **Loads** [AZK⁺18].

Loads/Stores [AZK⁺18]. **Local**

[LLSS03, LYG⁺18]. **Locality** [AMP01, AAB⁺16, BE14, CAK17, JG97, KP01, LS98, LM00, PMHC03, Won02, XH98].

Locality-Aware [AAB⁺16]. **Localization** [GWYQ18, OB13]. **Locally**

[DCX⁺17, SNB04, TV15]. **Lock** [AR16, ZLD15]. **Lock-Free** [AR16]. **Log**

[Mar09]. **Logic** [AR16, AVPG00, KBD03, Lin91a, SAB11,

BH87, Con88, Kas86, SRV88, Tin88].

Logic-Based [KBD03]. **Logical** [GZJ18, LWF⁺19]. **Look** [MP04]. **Loop** [AMP01, CL96, DH00, GVB⁺06, GMB95, GL95, HC17, IKN00, LSL94, LCL17, NG92, RAP95, WdSAM⁺17, WMC98, YAI95, LP94]. **Loops** [Col95, GL95, MS11, MJ02, OGP⁺16, QRW00, Sar01, TFNG09, WLL17, Wol86, YKM03, LAV98]. **Loosely** [LLM16]. **Loss** [HZL16]. **Lossless** [HNC⁺16]. **Low** [Bos12, FVvL⁺16, HZL16, NBN⁺15, PO07, Roy10, SWF⁺17, YZZ⁺19]. **Low-Latency** [Bos12]. **Low-Power** [NBN⁺15, PO07]. **Low-Radix** [SWF⁺17]. **LSM** [PYX17]. **LSM-Tree** [PYX17]. **LTE** [LF15].

M [FKD⁺97]. **M-Machine** [FKD⁺97].

Machine [CHPC96, CZ12, CDDM18, DS16, FKD⁺97, FKM⁺11, GmWHR98, HHW10, JQWG15, LVM16, MPR⁺05, SHZ⁺14, XLWX19, Ali86, GS90, Ken94, PW92]. **machine-independent** [Ken94]. **Machines** [ABASS12, Den94, EGJS15, KTBP18, MGL⁺17, NG92, ZWJK05, SDJS98]. **Macro** [GG14]. **Main** [SZH18]. **Maintained** [SNB04]. **maintaining** [DPL86]. **Malicious** [CLJH16]. **Management** [AGPGF14, GJR09, HRH08, Joh94, SL14, VFIN12, YJY16, ZLJ⁺17, JK86]. **Manager** [BEA⁺19]. **Managers** [Dem11]. **Managing** [ANS⁺12, RNJ⁺12, TFMP97].

Manipulator [BUMS02]. **MANNA** [HMT⁺96]. **Manual** [NAP02]. **Many** [CTK⁺11, CFC⁺19, HG18, uHKAMFM16a, uHKAMFM16b, LHP⁺17, LZ17, NdMCdMMW16, PMM⁺18, QZP15, SASH12, SA10, vNR11]. **Many-Core** [CFC⁺19, uHKAMFM16b, LHP⁺17, LZ17, PMM⁺18, SASH12, SA10, vNR11, NdMCdMMW16]. **Many-Cores** [CTK⁺11, HG18]. **Many-Field** [QZP15]. **Manycore** [HMF⁺13, RSJ⁺19]. **Map** [LFD17]. **Mapping** [HtBK⁺10, MEP07, RGB⁺08, SDJS98, LRG⁺91, NK88, PW87].

MapReduce

[LSYG15, LHL⁺16, LXL17, MM16, Mat17, SHC15, VCP⁺13, WW17, ZC17]. **Massey** [Moh19]. **Massively** [CYS16, HP13, LTF⁺12]. **Matching** [OOR13, Sca11]. **MATLAB** [MGW99, SM09]. **Matrices** [LPB13, LTSD15, SDL17, LP94]. **Matrix** [BBR11a, CFC⁺19, DZW10, uHKAMFM16a, uHKAMFM16b, KJPN10, LHLT19, MMN15, MGW99, SMM94]. **Maximal** [BCC00]. **Maximizing** [BG17]. **Maximum** [Gao86]. **MCP** [PIP18]. **Mean** [AK96]. **Measure** [KKSP18]. **Measurements** [JJIL15]. **Measures** [Cza17]. **Mechanism** [CHYP96, EM14, FFS18, GMB06, Sek09, SHC15, WTZ⁺19]. **Mechanisms** [GBPK07, Gen16, MO90]. **Media** [LJ09]. **Mediate** [BBB⁺17]. **Medium** [DV97, NRB94]. **Medium-Grain** [NRB94]. **Meld** [AKD98]. **Membership** [KJHB14]. **Memetic** [NB15, ÖO07]. **MemJam** [MWES19]. **Memories** [AM04, LPB13]. **Memory** [ABSSS19, AF15, ANS⁺12, BS03, BdS07, CCG⁺14, CHCL14, Cra88, CRM17, DS97, DZW10, FBGEL19, GVB⁺06, GRC⁺14, GV99, GG13, ID08, JG97, Joh94, JMSG02, KEKK16, LSL94, LMHW18, Lub90, MMG04, MCWK01, MBE03, MS99, MKAP05, NIK00, NAP02, OVA04, PZL⁺19, PMM⁺18, PO07, RC16, RRH03, SNB04, SMC94, SZH18, SD11, SAL16, SW16, SHC15, SWL05, SSMO96, SH15, SY08, SASH12, TMHT96, TA99, VSH⁺11, WS14, WQJY17, WHC⁺17, qWlJzKhC17, WTZ⁺19, YBRM14, ZK07, ZLD15, ZLJ⁺17, ZSH⁺12, Con88, EO88, FcF87, GHLN86, GS90, GT86, Hem89]. **Memory-Level** [SASH12]. **Merge** [JK03]. **Mesh** [DMC91, HAA⁺11, SMSH13, SKAT91]. **Mesh-Connected** [DMC91]. **MeshCleaner** [MCT⁺18]. **Meshes** [MCT⁺18, qWlJzKhC17]. **Message**

[BB90, CB01, EWHS11, GS05, GCD⁺03, GZ87, Hua89]. **Message-Passing** [CB01, GCD⁺03, GZ87]. **Meta** [KPS14]. **Meta-Heuristics** [KPS14]. **Metacomputing** [ES06]. **Metadata** [AGPGF14]. **Metagenomics** [LSM⁺18]. **Method** [BP17, DMMP18, Ger10, GRAG00, GHC⁺17, IS03, LNP91, LEA15, NdMM09, RAP95, SMN09, ZYOY13, Wol86]. **Methodology** [MOL05, RSJ⁺14]. **Methods** [BCC⁺05, CCL12, CAK17, MT96]. **Metropolis** [CHB06]. **Metrowerks** [PB04]. **MIC** [FFS18]. **Micro** [JS06b]. **Micro-grids** [JS06b]. **Microarchitecture** [API03, DKB⁺09]. **Microarchitecture** [PJS⁺05]. **Microbenchmarks** [IPR⁺05]. **Microcode** [BABW14]. **Microfluidic** [ZC09]. **Microgrids** [SS10]. **Microprocessor** [LJE05]. **microprogramming** [CB86]. **Microthread** [BHJ06]. **Migration** [CML04, DLX⁺17, JG97, NLRH07, PTdSF⁺12, WHC⁺17, XLWX19]. **MILC** [SKG09]. **Milepost** [FKM⁺11]. **MIMD** [GL92, SDJS98]. **Mini** [ZXY⁺15]. **Mini-intrusive** [ZXY⁺15]. **Miniature** [NBN⁺15]. **Minimal** [BTB⁺13, DWS16, YAI95, Zha89]. **minimax** [NPT86]. **Minimization** [GLLH17, Mon97, PB04]. **Minimizing** [CH95, EDA96]. **Mining** [CPP⁺12, FJA⁺18, HP13, OB13, PCJ18, WSS18, YWW⁺19]. **Mining-Based** [OB13]. **Mirroring** [SDL17]. **Mispredicted** [JSHP97]. **Mispredicted-Path** [JSHP97]. **Misprediction** [NBD98]. **Missing** [STB⁺18]. **Mixed** [BEG⁺10, SDJS98]. **Mixed-Mode** [BEG⁺10, SDJS98]. **Mixing** [MRLR16]. **ML** [AGT17]. **Mobile** [ES06]. **Mode** [BEG⁺10, OP12, SDJS98]. **Model** [AG06, AK96, BAF94, BdS07, CND95, DMMS91, DTLW16, DFA⁺09, FCZ16, FPCD14, FBGEL19, HLP11, HKJ⁺18, LLM16, LHL⁺16, LCL19, Liv91, OGP⁺16, OATGEL15b, RSV⁺05, RK13, fSxWC18, TAY⁺12, TESK06, JK86]. **Model-based** [RK13]. **Modeling** [AA15, Ano18a, AMP⁺05, BS07, HYBA18, KMjC02, LEA15, Mar17, MCE13, MGJS15, MOL05, PCP⁺13, PVG17, Pra86, TLSG05]. **Modelling** [VNU19]. **Models** [BFS05, CAT18, Den94, FLMR17b, HHC⁺15, ID08, KP05, Mat17, NAP02, RNJ⁺12, SMSH13, SS01, Ski91, SDL17, VMS15, VCP⁺13, AD86, DM87, FLMR17a]. **Modern** [HYBA18, KPS14, LG10, LQWP10, ME15]. **Modifications** [Hue97]. **Modular** [NdMM09]. **Modules** [DJR16, SQH92]. **Modulo** [AG98, EDA96, GRAG00, LJ08, Rau96]. **Modulo-Scheduled** [GRAG00]. **Molecular** [ACC⁺02, BS07]. **Molecule** [KLK16]. **Monitor** [LTL15]. **Monitored** [LJE05]. **Monitoring** [NBN⁺15, ZXY⁺15]. **Monte** [PES⁺18]. **Monte-Carlo** [PES⁺18]. **moreTM** [Ano87d]. **MORPHEUS** [GMB⁺11]. **Mosaic** [MPAG18]. **Motion** [MVD⁺14, TSS99]. **Motivation** [HmWHR97]. **Movement** [CFB94]. **Moving** [HAA⁺11]. **MPI** [AJF16, BS07, BEG⁺10, ES11, FPY08b, GJR09, GSY⁺13, HMK09, LSM⁺18, LWP04, MOL05, MANR09, NSS12, RA09, SS01]. **MPI/PVM** [ES11]. **MPJ** [JQJ⁺16]. **MPSoC** [ID08, OPLS17, RGB⁺08, SWZ⁺15]. **Much** [MT96]. **Multi** [AH08, AKHD13, ABvK⁺13, AML⁺10, ABB⁺10, BM09, CZ12, CTB14, DS97, DS16, DTLW16, DJR16, FLD15, Ged13, GMB06, GGV17, GS06, HtBK⁺10, JCH⁺08, KBG⁺08, LYG⁺18, MXP14, MV17, MG15, MHCF98, MFGEL19, NdMCMW16, OATGEL15b, QZP15, RPF18, RC16, RG18, RD08, RK13, SSP⁺00, SSEA14, fSxWC18, SSB⁺17, SFAG14, STB⁺18, Sun11, VSDK09, WQJY17, WLL17, XOdFV⁺09, YWW⁺19,

Zha10, ZGH⁺15, Ali86, AGT17, QGT⁺19]. **Multi-agent** [STB⁺18]. **Multi-app** [DJR16]. **Multi-BSP** [AGT17]. **Multi-Component** [fSxWC18]. **Multi-Core** [ABvK⁺13, AML⁺10, ABB⁺10, GGV17, RPF18, SSEA14, Zha10, CZ12, Ged13, MXP14, NdMCdMMW16, QZP15, RC16]. **Multi-device** [MFGEL19]. **Multi-dimensional** [RG18, WLL17]. **Multi-domain** [RK13]. **Multi-Fault** [AKHD13]. **Multi-GPU** [CTB14, SFAG14]. **Multi-GPUs** [QGT⁺19]. **Multi-layer** [OATGEL15b]. **Multi-Level** [MHCF98, SSP⁺00, XOdFV⁺09, YWW⁺19]. **Multi-ML** [AGT17]. **Multi-Orientation** [LYG⁺18]. **Multi-Prefetcher** [GMB06]. **Multi-Processor** [HtBK⁺10, BM09, KBG⁺08, ZGH⁺15]. **Multi-processors** [AH08, DS97]. **multi-sequential** [Ali86]. **Multi-socket** [RC16]. **Multi-tenanted** [WQJY17]. **Multi-Threaded** [MG15, VSDK09, DS16, GS06, RD08]. **Multi-threading** [DTLW16]. **Multi-variable** [MV17]. **Multi-versioned** [SSB⁺17]. **Multi-Word** [FLD15, Sun11]. **Multi-Zone** [JCH⁺08]. **Multicluster** [FCJV99]. **Multicomputer** [FKD⁺97, Fos89]. **Multicomputers** [LNP91, SKAT91]. **Multicore** [AER⁺17, Ano16d, CHCL14, HHW10, HMF⁺13, KJHB14, LLM⁺12, LLM16, RSJ⁺19, SS17, TKN⁺08, WLL17, ZC17]. **MulticoreBSP** [YBRM14]. **Multicores** [TFNG09]. **Multidimensional** [Fea92b, LLM⁺12]. **Multigrid** [MT96]. **Multilevel** [APR⁺18, ADC⁺17]. **Multilisp** [Hal86]. **Multimedia** [BG03, KL00, SG00, ZK07]. **Multiplayer** [CYS16]. **Multiple** [AZK⁺18, ANS⁺12, BDD⁺18, CND95, Gsc07, LEA15, PIP18, SQH92, TF94]. **Multiple-Register-File** [CND95]. **Multiplication** [Bos12, uHKAMFM16a, uHKAMFM16b, KJPN10, LHLT19]. **Multiplications** [CFC⁺19]. **Multiply** [BBR11a]. **multiprocessing** [Bro86]. **Multiprocessor** [AK96, DeB87, Gol88, Gsc07, MB12b, Pan08, PPEP08, SEP08, SR04, BH87, GHLN86, GZ87, GTK⁺88, Hua89, PD89]. **Multiprocessor-based** [Pan08]. **Multiprocessors** [BBGM95, GRV⁺17, GV99, IPR⁺05, KSEG14, KT01, LS07, LSL94, MVB⁺06, NP01, OP12, SNB04, SMC94, SS01, TGT18, TESK06, ZLD15, Con88]. **Multiscalar** [LZ17]. **Multisplitting** [CCL12]. **Multisplitting-Newton** [CCL12]. **Multitemporal** [LFHAM19]. **Multithreaded** [FSS06, HTZ⁺97, HMT⁺96, KMjC02, LS07, MB99, OB13, WS08]. **Multithreading** [HTDL18, LEL⁺99, TESK06]. **MUSE** [AK92, AK90a, AK90b]. **Muzzle** [KSA⁺18]. **MXNet** [LWL⁺19]. **Nano** [Mis09]. **Nano/Bio** [Mis09]. **Nano/Bio-Inspired** [Mis09]. **Nanotube** [CDC09]. **Nanotube-Based** [CDC09]. **NaraView** [SJKA99]. **Native** [JQJ⁺16]. **Nature** [KPS14, MHCF98]. **Nature-Inspired** [KPS14]. **Navigational** [PLN⁺04]. **NC** [PS92]. **Near** [BB90]. **Near-Optimal** [BB90]. **Nearest** [LTF⁺12]. **Nebelung** [MFG⁺08]. **Need** [KT01, Kuc94]. **Negative** [DKB⁺09, WS15]. **Neighbor** [LTF⁺12]. **Nested** [AMP01, EW96, MMS07, QRW00, Sar01, aMST07]. **Nests** [AMP01, GL95]. **Net** [LWDL17, GG14, GSS10]. **Nets** [KMjC02, LWF⁺19, QGT⁺19, RA94]. **Netuno** [SCB⁺14]. **Network** [Ano18b, CPT14, FCZ16, FPCD14, GCD⁺03, HZZ⁺19, HLS15, HS16, KKZN12, LSHK09, LYL14, LSYG15, LXL17, Liv91, ML15, MANR09, MSPR18, NRGB17, PG07, SZ17,

SWF⁺¹⁷, SBN03, YMW⁺¹⁷, ZZS⁺¹⁹, AD86]. **Network-Aware** [FPCD14]. **Network-Failure-Tolerant** [GCD⁺⁰³]. **Networks** [AK17, BS15, CLJH16, GWHY19, IBA11, JLDF19, Li03, LCL19, LS05, LWGZ18, MVB⁺⁰⁶, PMV17, WZG⁺¹⁷, YMW⁺¹⁷, YZZ⁺¹⁹, AD89]. **Networks-on-Chip** [JLDF19]. **NetWorkSpace** [BCS⁺⁰⁹]. **Neural** [AMAH01, FCZ16, HZZ⁺¹⁹, LYL14, LXL17, LJ08, LWGZ18, PMV17, WZG⁺¹⁷, YZZ⁺¹⁹]. **Neuromimetic** [RNJ⁺¹²]. **Neuronal** [CPP⁺¹²]. **Neutron** [Zey05, SDJS98]. **New-Age** [DKB⁺⁰⁹]. **News** [FCZ16]. **Newton** [CCL12]. **Next** [Dar05]. **Nighttime** [fS18]. **NMRU** [Roy10]. **no** [Swa88]. **NoC** [LMHW18]. **NoC-Side** [LMHW18]. **NoCs** [MEP07, TOM⁺¹¹]. **Node** [GAR⁺¹⁶, LJ09]. **Nodes** [BEA⁺¹⁹, NBN⁺¹⁵]. **Non** [BG17, CSTGL03, Spr92, Con88, LP94]. **Non-blocking** [BG17]. **Non-overlapping** [Spr92]. **non-shared** [Con88]. **non-singular** [LP94]. **Non-Strict** [CSTGL03]. **Noncoherent** [BBGM95]. **noncyclic** [JB98]. **Nonnegative** [DZW10]. **Nonsingular** [OK99]. **Normal** [TG05]. **Normalization** [QGT⁺¹⁹]. **Note** [Ano14, Ano16a, Ano16b, Ano16d, Ano16c, Ano18b, Ano18a]. **Novel** [DMMS91, OXL⁺¹⁷, WWG⁺¹⁹]. **NUMA** [BFG⁺¹⁰]. **Number** [ALTT17, HR11]. **Numerical** [EFED05, PES⁺¹⁸, YKLD17, Zey05]. **NVM** [GZJ18].

O [AKT⁺¹⁴, MG15]. **O2000** [CML04]. **Obfuscator** [FDY⁺¹⁹]. **Object** [BBC07, DJR16, FMSG17, GS11, GS13]. **Object-Oriented** [GS11, GS13]. **Objects** [GK94]. **Obtain** [NRR99]. **occam** [Cam89]. **ODE** [MLdIP02]. **Off** [ZK07]. **Off-Chip** [ZK07]. **OFScheduler** [LSYG15]. **OLPCA** [DMMP18]. **OMP** [SGJ⁺⁰³]. **OMP2001** [TSB03]. **On-Chip** [GG13, KKZN12, MVB⁺⁰⁶, AH08]. **On-Line** [ZC09]. **On-the-fly** [KSJ14]. **One** [Fea92a, SKG09, WW17]. **One-dimensional** [Fea92a]. **Online** [CLJH16, CYS16, HZL16, RC16, SMSH13]. **onto** [SDJS98]. **Ontology** [AFM⁺⁰⁶]. **Open** [AML⁺¹⁰, Cie91]. **OpenCL** [JSS⁺¹⁵, RG18, SSB⁺¹⁷]. **OpenHMPP** [AAB⁺¹⁶]. **OpenMP** [AM07b, ABB⁺¹⁰, BdS07, BGdS09, BFG⁺¹⁰, BS07, BEG⁺¹⁰, DFC⁺⁰⁷, DFA⁺⁰⁹, FMSG17, FM09, GSA08, HMK09, HAA⁺¹¹, JCH⁺⁰⁸, KaM10, KSJ14, MG15, MFG⁺⁰⁸, MBE03, MMS07, NIO⁺⁰³, OOS⁺⁰⁸, OP10, WPC07, YKLD17, aMST07]. **OpenMP/MPI** [BEG⁺¹⁰, HMK09]. **OpenUH** [CEH13]. **Operating** [CYS16, NP01]. **Operation** [FLD15, NB15]. **Operational** [Cam89]. **operationally** [DM87]. **Operations** [ABASS12, BG17, FPY08b, IBA11, ML15, SZH18]. **Operators** [DM17]. **Opportunistic** [YMW⁺¹⁷]. **OPS5** [GTK⁺⁸⁸]. **Optical** [DMC91]. **Optimal** [AG98, BB90, DV97, DPS90, DPL86, GAR⁺¹⁶, MA87, Mer86, NG92, SMM94, YKM03, ZLJ⁺¹⁷, EG86, RB86]. **optimality** [Gai89]. **Optimisation** [GL18, PPEP08]. **Optimised** [Zha10]. **Optimising** [VNU19]. **Optimization** [AZK⁺¹⁸, ALPS19, CFB94, CPMC96, CS97, CRM17, DLX⁺¹⁷, GLLH17, GmWHR98, HTmG⁺¹², LDHL05, LM00, MO91, NIO⁺⁰³, NdMCdMMW16, ÖO07, PCP⁺¹³, RLH14, SRS06, SSEA14, Sca11, SHZ⁺¹⁴, YHGW16]. **Optimization-Based** [SHZ⁺¹⁴]. **Optimizations** [BKT08, BG96, ID08, KSEG14, LHLT19, LEL⁺⁹⁹, MV17, MS11, SB90, SLZB13]. **Optimize** [ZLAV04]. **Optimized** [LF15, MGW99, Sar01]. **Optimizer** [LSYG15]. **Optimizing** [BBR11b, CGN⁺⁰⁹, CFC⁺¹⁹, uHKAMFM16b, MBE03, ZSH⁺¹², MO90, uHKAMFM16a]. **Optimum**

[EDA96]. **Option** [Ger10]. **OR-** [SH96].

OR-Parallel

[AK90b, Lin91a, Ali86, Cie91, Tin88].

OR-Parallelism [AK90a]. **Order**

[BS15, BP17, MSJ01, NPD89]. **Ordering**

[IS03, DM87]. **orders** [Pra86]. **OREGAMI**

[LRG+91]. **Organization** [AM04].

Orientation [LYG+18]. **Oriented**

[ADC+17, FMSG17, GS11, GS13, KKSP18,

LVM16, RGB+08, SRS06, AKT+14, CZ12].

Origin [IPR+05]. **OS-Based** [FC11]. **OSD**

[AGPGF14]. **Other** [OP10, SS89].

Out-of-Core [SHLJ17, SMDJ19].

Out-of-Order [BS15, MSJ01]. **Output**

[CDRV98]. **Output-Dependences**

[CDRV98]. **Overhead**

[CTB14, KCW+05, OPLS17, SJBV06].

Overheads [BGdS09, LJ08]. **Overlap**

[BG17]. **Overlapping** [IKN00, Spr92].

Overview [BML+13].

P [Zha10]. **P-SURF** [Zha10]. **P2P** [GJR09].

P2P-MPI [GJR09]. **PAB** [GMB06].

PAB-Based [GMB06]. **Package** [KKSP18].

Packet [DJR16, QZP15]. **Packing**

[JLMW15]. **PAD** [AG15]. **Page**

[CML04, ZLJ+17]. **Page-Level** [ZLJ+17].

PageRank [LEA15]. **Panda** [SBC17]. **Para**

[Hud86]. **Para-Functional** [Hud86].

Paradigm [EW96]. **Paradigms**

[DX14, Gen16]. **ParaGraph** [BCL90].

Parallel [AKBPV19, APR+18, AMAH01,

AM04, AK17, ACD+16, ABvK+13, AA15,

Ano16a, Ano18b, AVPG00, AJF16, BR14a,

Bel94, BAF94, BARSW95, BGMR11, BS03,

BNWL90, BR14b, BUMS02, BDD+18,

BDH+14, Bro15, Bro19, CGN+09, CPP+12,

CY14, CB86, Cra88, CSTGL03, CDDM18,

CAP88, Cza17, CPL+10, Dam07, DPT17,

DDD+19, DMMS91, DE00, DM17, DS97,

DS16, Den94, DX14, DZW10, DGMP09,

DSR17, ECSS88, EHKT07, EK14, EK17,

ELK18, ES11, FFS18, FCRC16, GGE19,

GBLG10, Ger10, GS11, GS13, GP17, GF14,

GK18, GYL92, Gre16, GTK+88, HSCI+16,

HK14, HMF+13, HP13, HPVRPF15, HLS15,

HS16, Hun91, HAA+11, IH04, Jan15, JW16,

JLMW15, JK03, Joh94, KS90, KK11, KS97,

KJHB14, KFC08, KBG+08, Kuc94, KR87,

LMP98, LTF+12, LYL14, LHL+16, LT17,

LLL+15, LY95, LSL94]. **Parallel**

[LWLG11, LHLT19, LBT17, Low00, LCL17,

LYG+18, Lub90, Lys08, MXP14, MMN15,

MLdIP02, Mar09, MAJD16, MM16, MG15,

MCA98, Mer86, Mil88, Moh19, MVD+14,

MFGE19, NB15, NRGB17, NdMM09,

NdMCdMMW16, NdMMW16, NSS12,

NST89, OOR13, OP10, OGP+16, ÖO07,

OG11, PW92, PGLC+18, PLN+04, PTD+06,

PVAE98, PMV17, PR99, PCJ18, RK92,

RK87, Ric90, RSV+05, RMG+13, RGB+08,

SGK12, SH87, SI11, SS92, SMN09, SMSH13,

SQH92, Sek09, SM09, SAS18, SO89, SKAT91,

Ski91, SR90, Spr92, SS89, SZ17, SC88,

SHZ+91, Swa88, TSS99, TRL09, VK88,

VRGC19, WCC16, WL16, qWlJzKhC17,

WR18, WS15, WZB+92, WE18, YWY+18,

YH18, YBRM14, Zey05, Zha89, Zha10,

ZZS+19, ZWJK05, uRHH14, ACD+14,

BCL90, BCK98, Con88, DPL86, EG86,

EO88, GN89, GZ87, GKMB87, Hua89].

parallel [JGA+88, JB98, Ken94, KMV87,

KM86, LRG+91, LS92, Par86a, Par86b,

Par86c, TSS86, Wai87, WB87, AK90b,

Lin91a, Ali86, Cie91, SRV88, Tin88].

Parallel-Access [Joh94]. **parallel_for**

[NCR+19]. **Parallelisation** [KH18].

Parallelising [GS13]. **Parallelism**

[AER+17, ADC+17, ACC+01, BS03, DV97,

EW96, GVB+06, GGV18, GHDF19, Gsc07,

GL92, HPY01, KP04, LFL+17, MT96,

MMS07, RSK09, SSEA14, SSNS16, SH96,

SASH12, Tou05, WS08, WW17, XOdFV+09,

BS89, CG94, Sch92, VR88, AK90a].

Parallelization

[AAB+16, BG17, BS07, CZ12, Col95,

CAZ02, ELGE16, FLMR17b, FCRC16,

FJO+16, GK94, GMS00, Hue97, IS03,

JCD⁺¹⁴, LQWP10, LXL17, MVD⁺¹⁴, NN95, PPQV16, RAP95, SSP⁺⁰⁰, SHK13, SJKA99, SKA96, SR15, TFNG09, TH17, WNMW16, WdSAM⁺¹⁷, WP00, aMST07, FLMR17a].

Parallelize [MRLR16]. **Parallelized** [CR19, ELGE17, HTK98, TMHT96].

Parallelizing [CHCL14, GS11, KTT⁺⁹⁹, ME15, WZG⁺¹⁷].

Parameter [BR14a]. **Parameterized** [LW97]. **pareil** [Lin91b, Lin86, Lin87, Lin89, Lin90, Lin88b].

Parlog [FT87, Hum91]. **Parsers** [BNWL90].

Parses [IP90]. **Parsing** [IP90, Lan90, PW92]. **Part** [JS06a, Fea92b, KR87, RK87]. **Partial** [AmWHM99, DM87, Pra86, SZH18].

Partial-PreSET [SZH18]. **Partially** [SY08]. **Particle** [NdMCdMMW16, RLH14].

Partition [WLL17]. **Partitioned** [AT91].

Partitioning [CPG01, EW96, FCJV99, GAR⁺¹⁶, Iqb91, KEKK16, LGY16, Lys08, MRLR16, NS97b, OPLS17, SMN09, SWZ⁺¹⁵, SHC15, TG05, GZ87, KMV87, NK88, PD89].

Partitioning-Independent [EW96].

ParTriCluster [AFO⁺⁰⁸]. **Pass** [NS97b].

Passing [CB01, EWSH11, GCD⁺⁰³, GZ87, Hua89].

Path [AT91, CSC⁺⁰⁰, JAW17, JSHP97, LPF16, LJ08, OATGEL15a, SK97, SHZ⁺⁹¹].

Path-based [LJ08]. **Pathfinder** [JAW17].

Pattern [ACD⁺¹⁶, BBR11a, CEP97, CPL⁺¹⁰, DDD⁺¹⁹, GHC⁺¹⁷, LYG⁺¹⁸, QA11, WSS18].

Pattern-based [BBR11a]. **Patterns** [ALG⁺⁹⁵, BDD⁺¹⁸, DM17, DS16, FPY08b, LLL⁺¹⁵, SHK13, ACD⁺¹⁴].

Patterns-Based [BDD⁺¹⁸]. **PBX/VoIP** [AML⁺¹⁰]. **PCIe** [OXL⁺¹⁷]. **PCM** [SZH18, ZLJ⁺¹⁷]. **PCM-Based** [SZH18].

PEMPs [MOL05]. **Per-Core** [SA10].

percolating [ACD⁺¹⁴]. **perfect** [GE89].

Performance [AM95, APR⁺¹⁸, ASW⁺¹⁵, AK92, AD86, AKT⁺¹⁴, BE14, BS07, BEG⁺¹⁰, Car09, CHYP96, CHPC96, Cza17, DFH17, DB08, DCX⁺¹⁷, DMC⁺¹⁸, GWYQ18, GGE19, Gha19, GJK⁺⁰⁵, GSY⁺¹³, GKMB87, HRH08, HF14a, HF14b, HTmG⁺¹², JSS⁺¹⁵, JLJ⁺¹⁸, JCH⁺⁰⁸, KaM10, KTRZ⁺¹⁷, KJPN10, LPB13, LPF16, Li03, LWL⁺¹⁹, LY95, LWP04, LLSS03, LCL17, LWGZ18, MB12a, MCWK01, MS11, MOL05, MSPR18, MMS07, ME15, NFC⁺⁰⁹, NdMM09, NP01, PJS⁺⁰⁵, PGLC⁺¹⁸, PVAE98, RSJ⁺¹⁴, SGJ⁺⁰³, SSEA14, Sca11, SAL16, SCB⁺¹⁴, SA10, TSB03, TFEK16, TKN⁺⁰⁸, Tin88, VCP⁺¹³, WCC16, WGW04, YZ13, YBRM14, ZWJK05, ZJG17, dMP⁺⁰³, BCK98, OXL⁺¹⁷]. **Performance-Efficient** [LWGZ18]. **Performance-Portable** [JSS⁺¹⁵]. **Persistent** [GW19]. **Personal** [HOZ06]. **Perspective** [KBC⁺⁰⁸, WEJS94]. **Perspectives** [Ano16c]. **Pessimistic** [VSH⁺¹¹]. **Petaflops** [ACC⁺⁰²]. **Petascale** [TAY⁺¹²]. **PETRA** [ME15]. **Petri** [KMjC02, LWDL17, RA94]. **Phase** [JHLM01, LGY16]. **Phi** [BP17, Cza17, ELGE17, LLGC17, PES⁺¹⁸]. **philosophers** [RB86]. **Physical** [WLW⁺¹⁷].

Pin [JK12]. **Pin-Based** [JK12]. **Pinning** [CR19]. **Pipeline** [DF98, GG13, GRAG00, LJ08, SR04, Gai89].

Pipelined [AD89, Low00, MJ02, NdMMW16, SWG⁺¹⁸, LAV98]. **Pipelining** [BTB⁺¹³, GRAG00, OGP⁺¹⁶, RA94, YKM03, Gao86, WEJS94]. **Piranha** [CGJK95]. **Placement** [ANS⁺¹², DCX⁺¹⁷, JQWG15, SHZ⁺¹⁴].

Plane [Mer86]. **Planes** [LYG⁺¹⁸].

Planning [KCW⁺⁰⁵, SI11]. **PLASMA** [YKLD17]. **Platform** [DTLW16, DZW10, ELGE17, FSS06, GMB⁺¹¹, LLW⁺¹⁷, SSEA14, ZJG17].

Platform-Independent [FSS06].

Platforms [BC15, FRT⁺¹⁸, Gha19, HMF⁺¹³, MXP14, MMN15, MVD⁺¹⁴, PGLC⁺¹⁸, RGB⁺⁰⁸, VFIN12]. **pocl**

[JSS⁺15]. **Point** [KSA⁺18, LTF⁺12, NST89, Ano86a, EG86]. **Points** [Mer86, SS92]. **Polaris** [FWH⁺94]. **Policies** [BEP13, CML04]. **Policy** [Roy10]. **Polka** [Dav87]. **Polling** [Lin91a]. **Pollutant** [RSV⁺05]. **Pollution** [MKAP05]. **Polygons** [SS92]. **Polyhedra** [LW97, QRW00]. **Polyhedral** [DV97, JCD⁺14, PCP⁺13]. **Polymorphic** [CGPS18]. **Polynomial** [SWL05, ZYOY13]. **Polynomial-Time** [SWL05]. **Pool** [ACD⁺16]. **Pools** [HR11]. **Port** [CND95, IBA11]. **Portability** [KaM10]. **Portable** [JSS⁺15, LS91]. **Porting** [YKLD17]. **positive** [GHLN86]. **Post** [NS97b]. **Post-Pass** [NS97b]. **Power** [AVLV03, JS10, NBN⁺15, PO07, SWZ⁺15, WMN⁺17, ZLJ⁺17, ZJG17]. **Power-Aware** [AVLV03]. **Practical** [CAP88, GH96, Ski91, WZTH13, Hum87]. **PRAM** [GRR98]. **Pre** [DJS12]. **Pre-Execution** [DJS12]. **Precision** [KJPN10, ML15]. **Predicated** [CSC⁺00, CHPC96, TF96]. **predicates** [FK87]. **Predication** [AmWHM99]. **Predictability** [SS99]. **Prediction** [CEP97, JSHP97, LEG11, MOL05, SK14, TF96, ZWJK05, ZJG17]. **Predictive** [PCP⁺13]. **Predictor** [CHYP96]. **Predictors** [KMG01, LJ08]. **Preface** [CY14, WNMW16]. **Prefetch** [FDY⁺19, HGT⁺12, WLL⁺08]. **Prefetch-Based** [WLL⁺08]. **Prefetch-Obfuscator** [FDY⁺19]. **Prefetcher** [GMB06]. **Prefetching** [CTK⁺11, DJS12, GRV⁺17, GV99, HGT⁺12, HTmG⁺12, ZGH⁺15]. **prefix** [MA87, SS89]. **Pregel** [TH17]. **Presence** [JSHP97]. **PreSET** [SZH18]. **pressure** [LAV98]. **Prevent** [GMB95]. **Price** [Ger10]. **Pricing** [WWG⁺19]. **Primitive** [JHLM01]. **Primitives** [DeB87, JK86]. **Priority** [BEP13, LLM16, NYHA14, SS17, CRM92]. **Priority-Based** [NYHA14]. **Private** [JJIL15]. **Probabilistic** [LY95, LC11].

Problem [AT91, AVPG00, BR14b, DE00, Fea92b, MB12b, OATGEL15a, WS15, Fea92a, LS92, RB86]. **Problems** [HAA⁺11, Iqb91, LSM⁺18, LHP⁺17, Cie91]. **procedural** [JB98]. **Procedure** [KKMS99, SMM94]. **Procedures** [CK02, GMS00]. **Process** [FPY08b, LCL17, QA11, SSEA14, KMV87]. **Process-Based** [LCL17]. **Processes** [EAT14, Mai87, PW87, RS90, Tho87]. **Processing** [AM95, APR⁺18, CPP⁺12, CY14, DJR16, GG14, GL18, GSS10, HZL16, HSXH19, JGP⁺18, JGM15, LT17, LAD15, Lys08, Mil88, NS97b, PTD⁺06, RSK09, RSA⁺18, RG15, SAB11, SHLJ17, SMDJ19, SBN03, TSS99, TA99, WZB⁺92, WW17, ZHF⁺19, Ano87e, ECSS88, WB87]. **Processor** [BGM11, BKT08, FCJV99, FVvL⁺16, HtBK⁺10, JHLM01, KBD03, KTT⁺99, SMM94, TKN⁺08, WSS18, WS08, WSO⁺07, BM09, KBG⁺08, ZGH⁺15, Sca11]. **Processors** [AK96, AMKE18, BG03, Cra88, Giv07, Giv08, GE90, HYBA18, KLG08, KL00, LG10, LZ17, MSJ01, PG07, QZP15, RPF18, SKA96, SA10, WLL17, Zha10, AH08, DS97, Hem89, MA87, PW87]. **PrODACT** [FDY⁺19]. **Productive** [GHDF19]. **Productivity** [BCS⁺09, BS07, Car09, KaM10]. **Profile** [CMW⁺94, CPMC96]. **Profile-assisted** [CMW⁺94]. **Profile-Driven** [CPMC96]. **Profiling** [CPMC96, LPF16, ZSH⁺12].

Program [Dar05, KH18, KKMS99, MCFM12, SNB04, SLZB13, VNU19, CRM92]. **Programmable** [CDC09, Dam07]. **Programming** [AGT17, Ano16a, AVPG00, BBC07, BARSW95, BCL14, BCL17, Bro19, CBR17, CAT18, DPT17, DK16, DeB87, DX14, EK14, ELK18, FBGEL19, GGE19, GMP89, GK18, GJK⁺05, Gre16, GW19, GRR98, HSCI⁺16, HG18, HK14, HKJ⁺18, Hud86, KS97, KBG⁺08, LHL⁺16, Lin91a, Lub90, MRLR16, MFGEL19, NAP02, PLN⁺04, PVAE98,

RPF18, SQH92, SS01, SFAG14, Swa88, UKT00, VRGC19, YBRM14, ACD⁺¹⁴, BCL90, BCK98, Ken94, Par86a, Par86c, Tin88]. **Programs** [AR16, AJF16, BAF94, BS03, BDH⁺¹⁴, CB01, CZ12, DJR16, DSR17, EHKT07, FCRC16, FJO⁺¹⁶, Jak19, Jan15, JW16, JLMW15, KSJ14, LMP98, LWDL17, LBT17, Low00, MGW99, MOL05, MBE03, NS97b, OB13, SHK13, SJKA99, SK97, SO89, VNU19, WP00, BS89, Con88, Gai89, Gol88, JB98, Kas86, SRV88]. **Progressive** [QGT⁺¹⁹]. **Project** [BCC⁺⁰⁵, MAB⁺¹¹]. **Projection** [fSxWC18]. **PROLOG** [Ali86, AK90a, AK90b, Cie91, SB90, SH96, TSS86]. **PROMIS** [SSP⁺⁰⁰]. **Promoting** [WLW⁺¹⁷]. **proof** [FcF87]. **Propagation** [LMP98, LXL17, MXP14]. **Properties** [MAJD16]. **Property** [LWDL17]. **Proposal** [DFC⁺⁰⁷, DFA⁺⁰⁹]. **Protein** [FJZ⁺¹⁵, KLK16]. **Protocol** [BAP01, DeB87, GSY⁺¹³, MPAG18, RA09]. **Protocol-Based** [DeB87]. **Protocols** [SB91, BCK98]. **Provide** [SS17]. **Proximity** [LTL15]. **Pruning** [WHC⁺¹⁷]. **Pseudosimulation** [GT86]. **PTAS** [JLMW15]. **pull** [Par86c]. **Purge** [SAL16]. **Purpose** [WP00]. **Push** [RKG04, Par86c]. **PVM** [ES11]. **PyACTS** [DGMP09]. **Python** [DGMP09].

QCD [SKG09]. **QoS** [AH08, BDD⁺¹⁸, SS17, uRHH14]. **QoS-supported** [AH08]. **Quantifying** [MHCF98]. **Quantitative** [LAV98, Sca11]. **Quantum** [PG16]. **Query** [STM15, WWG⁺¹⁹]. **Queue** [BBB⁺¹⁷, NSS12, WZTH13, ZLD15, CRM92]. **Queue-Based** [ZLD15]. **Queueing** [RKG04, AD86]. **Queues** [GL92, LLM16]. **Queueing** [WZTH13].

R [TRL09]. **Race** [KSJ14, MTT15]. **Radial** [DMC⁺¹⁸]. **Radiation** [LG10, Zey05]. **Radiation-Induced** [LG10]. **Radio** [vNR11]. **Radios** [KWA⁺¹⁰]. **Radix** [SWF⁺¹⁷]. **Railway** [FLMR02]. **Random** [AK17, GAR⁺¹⁶, YWY⁺¹⁸]. **Randomized** [DS97, Li03, JGA⁺⁸⁸]. **Ranking** [DS97, uRHH14]. **RANSAC** [HPVRPF15]. **Rapid** [TCUV14]. **Rate** [HCEP98]. **Ray** [STF⁺¹²]. **Ray-Traversal** [STF⁺¹²]. **RDMA** [GSY⁺¹³, JLJ⁺¹⁸, LWL⁺¹⁹, LWP04, RA09]. **RDMA-Based** [LWP04]. **RDMA-Enabled** [GSY⁺¹³, RA09]. **Reachability** [WZB⁺⁹²]. **Reaction** [HF14a, HF14b]. **Read** [DCX⁺¹⁷, MV17]. **Real** [EWH511, FJA⁺¹⁸, FJO⁺¹⁶, RSA⁺¹⁸]. **Real-Time** [FJA⁺¹⁸, FJO⁺¹⁶, RSA⁺¹⁸, EWH511]. **Realistic** [GZJ18]. **Really** [Kuc94]. **Realm** [PCJ18]. **Rearrangement** [SJBV06]. **Reasoning** [HVF18]. **Recognition** [KSA⁺¹⁸, PR99, SS92, SHK13, WZG⁺¹⁷]. **Recognizing** [PS92]. **Reconfigurable** [GMB⁺¹¹, GBC⁺⁰⁸, KBD03, NdMMW16, NBN⁺¹⁵, PJS⁺⁰⁵, TKN⁺⁰⁸, ZC09, CB86]. **Reconfiguration** [SA10]. **Recovery** [JSHP97, LJ09, NBD98]. **Rectangles** [Spr92]. **RECU** [YBDJ17]. **Recurrence** [LM00, Gao86]. **Recurrences** [SKA96]. **Recursions** [uHKAMFM16a, uHKAMFM16b]. **Recursive** [GMS00]. **Red** [IS03]. **Red-Black** [IS03]. **RedThreads** [HTDL18]. **Reduce** [MKAP05]. **Reduced** [ALTT17, DV97, MB12b, OOR13]. **Reducing** [CEP97, CK02, CTB14, FCJV99, ZK07]. **Reduction** [ABASS12, AVLV03, JS10, KCW⁺⁰⁵, LHF⁺¹⁵, LJ08, ML15, PO07, SK97, SWL05, JK86]. **Redundant** [CH95, EAT14, GV95, HTDL18, KTT⁺⁹⁹]. **Refactoring** [AKBPV19, BDH⁺¹⁴]. **Referees** [Lin92, Lin88b, Lin91b, Lin86, Lin87, Lin89, Lin90]. **Reference**

[ALG⁺95, RRH03, WGW04].
Reference-Set [WGW04]. **References** [Fea91, MKAP05]. **Referencing** [TMHT96].
Refinement [SMSH13]. **Regeneration** [MJ02]. **Region** [CI96, HmWHR97].
Region-Based [HmWHR97]. **Register** [ALTT17, AVL03, BE14, BGGT02, CND95, EDA96, LkCH94, LHLT19, Tou05, ZLAV04, LAV98, NP98]. **Register-Aware** [LHLT19].
Register-File [ALTT17]. **Registers** [CGPS18]. **Regular** [HLP11, Sca11].
Regularization [ADC⁺17]. **Rehab** [SAL16]. **Reinforcement** [CR19]. **Related** [Lub90]. **relation** [VK88]. **Relational** [MAWD⁺16]. **Relationship** [LkCH94, fS18].
Relative [SB91]. **Relaxation** [CCL12]. **Relaxed** [HVF18]. **Relaxing** [AKD98].
Reliability [BBR11b]. **Remaining** [XLWX19]. **Remote** [JG97]. **Remoting** [MGL⁺17]. **Removal** [CDRV98, WS14].
Renaming [CSC⁺00, TA99]. **Rendering** [BGMR11, SC88]. **Rendezvous** [CMW90, RA09]. **Reordering** [KP95].
Reorderings [MCWK01]. **Repair** [SDL17].
RePhrase [DDD⁺19]. **Replacement** [BEP13, Roy10, TFMP97]. **Representation** [CFB94, FWH⁺94, GP94, GBC⁺08, KSA⁺18, LYG⁺18, WGW04].
Reproduction [Li03]. **Request** [DCX⁺17, HZL16]. **Request-Aware** [DCX⁺17]. **Requirement** [MSJ01].
Requirements [CMW90, EDA96, JSHP97].
Rescheduling [BCC⁺05, CS97].
Reservations [SL14]. **Resizing** [KD15].
Resolution [Hue97, YWY⁺18]. **Resource** [BEA⁺19, BS91, CTK⁺11, ZLD15, JK86].
Resource-Aware [CTK⁺11]. **Restart** [CRM17]. **Restarted** [LEA15]. **Restoring** [EGJS15]. **Restructuring** [KAMAMA17, MP04, PMHC03]. **Results** [AK92, AW98, GTK⁺88, Hun87].
Reusability [KKSP18]. **Reuse** [SBN03, XH98]. **Reuse-Driven** [XH98].
Reverse [AmWHM99, BE14]. **Reversible** [PG16]. **Review** [Mar09]. **Reviewers** [Nic14]. **Revisited** [PM07, Wol86].
Revisiting [KD15]. **Right** [MP04]. **Rinda** [Sek09]. **RMI** [SW16]. **Road** [GGE19].
Robotic [BUMS02]. **Robust** [LLSS03, Zha10]. **Rochester** [YBDJ17].
Rollback [DDJ⁺18]. **RollSec** [DDJ⁺18].
Route [SI11]. **Routing** [BB90, IBA11, JLDF19, LNP91, TOM⁺11, YMW⁺17]. **RT** [KAMAMA17]. **RT-CUDA** [KAMAMA17].
Ruby [Sek09]. **Rule** [MAWD⁺16, KM86].
rule-based [KM86]. **Ruleset** [Sca11]. **Run** [BG17, ELGE17, HtBK⁺10, RAP95, TTF⁺08]. **Run-Time** [RAP95, BG17, HtBK⁺10, TTF⁺08, vdSGBW08]. **Runge** [BP17]. **Runtime** [CEH13, ELGE16, FSS06, FRT⁺18, FR95, FCRC16, GWYQ18, GRV⁺17, GG14, HRC17, Hue97, Low00, NAP02, TAY⁺12, TCUV14, XLWX19].
Runtime-Assisted [GRV⁺17].
S [GG14, GSS10]. **S-Net** [GG14, GSS10].
SAC [GS06]. **Safe** [ELK18, LSL94]. **Sage** [Lin88a]. **Samal** [Swa88]. **SAMOS** [MCE13, PVG17]. **Sampling** [SHC15]. **Sans** [Lin91b, Lin86, Lin87, Lin89, Lin90, Lin88b].
SARP [HZL16]. **SAT** [VSDK09].
Satisfaction [BBB⁺17, LVM16].
Satisfaction-Oriented [LVM16].
Satisfiability [CPL⁺10]. **Saturation** [Tou05]. **SB** [GRR98]. **SB-PRAM** [GRR98]. **SBAC** [AG15]. **Scalability** [ACC⁺02, BS07, Lys08, RSK09, RNJ⁺12, SH15]. **Scalable** [AGPGF14, Bel94, DLRS13, EK14, Fea06, GWYQ18, GG14, GH89, HC17, IBA11, JQJ⁺16, MPAG18, QZP15, RC16, RAP95, TAY⁺12, Won02, XZX⁺15, ZLD15]. **Scalar** [Bos12, Fea91, SK97, SW95, AK96]. **Scale** [HC17, HKJ⁺18, KKZN12, LLGC17, LSA⁺07, LWGZ18, SWF⁺17, WW17].
Scaled [Mar17]. **Scaling** [MAJD16]. **Scan** [Mat17, KBD03]. **Scenario** [UKT00].
Scenario-Based [UKT00]. **Schedule**

[EDA96]. **Scheduled** [CHPC96, GRAG00, PPEP08]. **Schedulers** [SY08]. **Schedules** [DF98, NST89]. **Scheduling** [ABASS12, AKD98, AK90a, AK92, AG98, AHKR01, AF15, BMA02, BR97, BBB⁺17, BHJ06, BCC⁺05, BM09, CGJK95, CSC⁺00, CAK17, Cie91, CML04, EDA96, Fea92b, Fea06, FPCD14, GRAG00, LLW⁺17, LSL94, LMHW18, MP95, MB12b, NIO⁺03, NBA13, PIP18, Rau96, RD08, SMM94, TF94, WLL17, WMC98, YH18, YHGW16, CMW⁺94, Fea92a, GN89, HC17, NP98]. **Schema** [WTZ⁺19, WWG⁺19]. **Scheme** [FC11, GL18, GV99, GL95, LGY16, Lin91a, LSL94, LJE05, NYHA14, SHZ⁺14, WLL⁺08, YHGW16, AD86, Mil88]. **Scheme-Based** [Mil88]. **Schemes** [ASW⁺15, AMAH01, HC17]. **School** [WMK19]. **Science** [HLK⁺09]. **Scientific** [CAK17, DGMP09, IPR⁺05, MV17, SSB⁺17, TTF⁺08, WSO⁺07]. **SCnC** [SSNS16]. **Scratchpad** [CHCL14]. **SDRAM** [LPB13]. **Search** [GAR⁺16, Ged13, Hun91, KS90, LY95, MB12b, MVD⁺14, WMK19, AD89, DPL86, KR87, RK87]. **Searches** [LTF⁺12]. **Second** [SS10]. **Section** [Ano16d, Ano16c]. **Secure** [DDJ⁺18]. **Security** [MSPR18]. **Segmentation** [LF15]. **Seismic** [PTdSF⁺12, Wai87]. **Selected** [KPS14]. **Selecting** [Low00]. **Selection** [DE00, GAR⁺16, SAS18, WTZ⁺19, uRHH14]. **Selective** [KMG01, TFMP97]. **Self** [DWS16, EFED05, FKM⁺11, HHW10, HC17, KFC08, LSL94, LJE05, NSS12]. **Self-Adapting** [EFED05]. **Self-Monitored** [LJE05]. **Self-Scheduling** [LSL94, HC17]. **Self-stabilizing** [DWS16]. **Self-Submitting** [NSS12]. **Self-tuning** [FKM⁺11]. **Self-verified** [KFC08]. **Semantic** [HHC⁺15, KSF⁺18, LQWP10]. **Semantic-Aware** [LQWP10]. **Semantics** [ACC⁺01, Cam89, Hud86, Ric90]. **Semi** [GVB⁺06, KMV87]. **Semi-Automatic** [GVB⁺06, KMV87]. **Sensitivity** [SLZB13]. **Sensor** [CPT14, NBN⁺15]. **Separation** [SS92]. **Sequence** [LHP⁺17, SO89, ECSS88, Hua89]. **Sequences** [AK17, FJZ⁺15]. **Sequential** [FCRC16, LNG12, TFNG09, WNMW16, Ali86]. **Serial** [NIK00]. **Server** [AFM⁺06, CYS16, LJ09]. **Servers** [EAT14, NYHA14, RC16, WLW⁺17]. **Service** [DWQ17, LJ09, uRHH14]. **Services** [HZL16, HHC⁺15]. **Set** [API03, CZTM03, DDD⁺19, GFL00, HCEP98, Mer86, SRS06, WGW04, SZH18]. **Sets** [DWS16, FR95, LHF⁺15, NRR99, SS92, EG86]. **several** [Hem89]. **SGI** [CML04, IPR⁺05]. **Shape** [CAZ02]. **Share** [TV15]. **Shared** [BS03, BS91, CCG⁺14, Cra88, FBGEL19, GV99, GG13, HR11, LSL94, Lub90, MMG04, MBE03, NIK00, NAP02, SNB04, SR15, SMC94, SS01, SS17, SSMO96, SY08, WQJY17, YBRM14, ZLD15, Con88, FcF87, GHLN86, Hem89]. **Shared-address** [HR11]. **Shared-Memory** [BS03, CCG⁺14, FBGEL19, GV99, LSL94, NIK00, NAP02, SMC94, YBRM14, GHLN86]. **Sharing** [CML04, GMB95, SNB04, YBDJ17]. **Shifting** [DH00]. **SHMEM** [SS01]. **Shortest** [AT91, OATGEL15a]. **Shortest-Path** [AT91]. **shuffle** [GE89]. **Side** [Gha19, LMHW18]. **Side-Channel** [Gha19]. **Signal** [FVvL⁺16, NS97b]. **Signals** [vNR11]. **Signed** [GWHY19]. **Significance** [VCP⁺16]. **SIMD** [GS90, KJHB14, Moh19, PES⁺18, SJBV06, SDJS98]. **Similarity** [Cza17, Ged13]. **Simple** [CL96, WS08, LS91]. **simplicial** [EG86]. **Simplify** [MFGEL19]. **Simplifying** [MCA98]. **Simulating** [BH87]. **Simulation** [ABvK⁺13, AA15, Ano18a, Dem11, KWA⁺10, KP05, LJE05, MCE13, MGJS15, MANR09, PVG17, PPQV16, SAB11, TGT18, Zey05, ZWJK05, GT86]. **Simulation-Based** [ZWJK05, KWA⁺10].

Simulations [ASW⁺15, CGN⁺09, GZJ18, HLP11, HF14a, HF14b, LLGC17, PES⁺18].
Simulator [WPC07]. **Simulators** [MPR⁺05, PC13, TCUV14]. **Simultaneous** [LEL⁺99, PIP18, WS08, WE18]. **Single** [CB01, Fos89, HF14a, HF14b, PM07].
Singular [BUMS02, LP94]. **SISAL** [AM95].
Size [Low00]. **SKA1** [FVvL⁺16].
SKA1-Low [FVvL⁺16]. **Skeleton** [DK16, DM17, EK14, ELK18, GRC⁺14, GGV17, IH04, RPF18, SFAG14, STB⁺18].
Skeleton-Based [GGV17].
Skeleton-Driven [GRC⁺14]. **Skeletons** [CPT14, EM14, EK17, GK18, JCD⁺14, KH18, SM16, WE18, WMK19]. **SkePU** [ELK18]. **SkeTo** [EM14]. **Skewing** [Won02, Wol86]. **Sliding** [NdMM09].
Sliding-Window [NdMM09]. **Slots** [BMA02]. **SLR** [BNWL90]. **SMA** [LJE05].
Small [HZL16, HLP11, Sca11].
Small-Ruleset [Sca11]. **Small-World** [HLP11]. **Smart** [DK16, SJT13]. **Smith** [FJZ⁺15, HMF⁺13, RSJ⁺19, TG05, ZTY⁺19].
SMPs [BS03]. **SMT** [KLG08]. **Snow** [TRL09]. **SOC** [LVM16, AML⁺10, KHH08, KBG⁺08].
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Solution [GHLN86, KS90, RB86].
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