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* [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]. i [TRD21]. K [LKS+20, VVCA23]. kd [WR18]. l_1 [GLLH17]. m [DPL86].

3 [EAK21]. **3.0** [KaM10, OP10].

512 [RSJ+19].

95 [KaM10].

A. [Swa88]. **Abingdon** [AM95]. **Above** [LCT+20]. **abstraction** [VR88].

Abstractions [ASS21, BCL14, LQWP10, YAI95].

Abstractive [KSF+18]. **Accelerated** [DMC+18, HML+20, KLK16, PES+18, SF20, SBC17]. **Accelerating**

-D [ES11]. **-Means** [LKS+20].

-Minimization [GLLH17]. **-Tree** [WR18].

-way [DPL86].

1000 [SSMO96]. **14** [HG18]. **16** [Swa88].

18th [DB08].

[FFS18, FRT⁺18, FJZ⁺15, HF14a, HF14b, LLGC17, MAWD⁺16, MNN22, PTdSF⁺12, SCS23, XWH21, ZHF⁺19, ZTY⁺19].

Acceleration [BC10, MCFM12, STM15].

Accelerator [ALPS19, EK17, FVvL⁺16, LWGZ18, SWG⁺18, TTF22, YZZ⁺19].

Accelerators [GP17, LCF21, SdLC21, ZJL22].

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].

Active [RLK20].

Activity [FR95].

Actor [ZLC⁺19].

Actors [RTD20].

ACTS [DGMP09].

Acyclic [Hue97, ZLJA12].

Adaptability [SA10].

Adaptation [CCL12, SJT13].

Adapting [EFED05, JMSG02, PIP18].

Adaption [CLL21].

Adaptive [AO19, BBB⁺17, BFRPVR⁺15, CS20, DJS12, GLLH17, GRV⁺17, GW19, GH89, HHW10, HP13, HR11, HTDL18, JLDf19, KSEG14, LLM⁺12, LJE05, PSM97, RA09, SHC15, WR18, ZLD15].

AdaptiveLock [YLB19].

Address [SS01, TAY⁺12, HR11].

Addressing [GG13].

Adjoining [PS92, PW92].

Adjustment [ZLC⁺19].

ADL [PC13].

ADL-Based [PC13].

Admission [NYHA14].

Adoption [SdLC21].

Advance [SL14].

Advanced [AAN⁺20, DLRS13, MAB⁺11, LF15, NdMMW16].

Advantage [TKN⁺08].

AES [XWH21].

Affine [Fea92b, KDV22, 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 [HHW20, LSA⁺07, SBN03].

Aggressive [SK14].

Agnostic [AVM⁺16, NAP02].

Agriculture [GKC22].

AI [GAG22].

AI-Assisted [GAG22].

Air [LCT⁺20].

Aircraft [MSJ20].

ALE [HAA⁺11].

Algebra [CCG⁺14, CBR17, HKJ⁺18, KTRZ⁺17, MP04].

algebraic [SS89].

Algorithm [AFO⁺08, AKT⁺14, ASG20, BM09, CSCL20, CL96, Cra88, CDDM18, DMMS91, DWS16, DZW10, EKV22, FBV21, GF14, GKC22, HNC⁺16, IP90, IKN00, JLDf19, JCW⁺18, KBD03, LLM⁺12, LMP98, LF15, LKS⁺20, MMN15, MSJ20, MCT⁺18, Mer86, MB12b, Moh19, MVD⁺14, NFC⁺09, NB15, NRR99, NRGB17, NdMMW16, PS92, RY20, RY22, RK92, RBR22, SI11, SF20, SWL05, Spr92, XZT20, ZQT20, ZTY⁺19, EG86, FcF87, GZ87, GT86, Hua89, JGA⁺88, LS92, Sch92, SRV88].

Algorithm-Based [NRR99].

Algorithmic [DMK21, DM17, EK17, GK18, HdMMK22, HK23, dMMHdLN21, SHK13, WE18, WMK19, WK20].

Algorithms [AT91, APR⁺18, AMAH01, AK17, ABSSS19, AGT17, BR14b, CAT18, CAP88, Dam07, DPS90, DMC⁺20, EO88, FG16, GM20, Ged13, GP17, GF14, HSXH19, IBA11, Iqb91, uHKAMFM16a, uHKAMFM16b, KPS14, LTSD15, Liv91, dMMKdLN22, ÖO07, PIP18, RG15, SH87, SS92, SAS18, SKAT91, SJC18, SR90, VVCA23, XWH21, Zey05, ZLD15, ZHF⁺19, DPL86, ECSS88, HFM88, SDJS98, Swa88, Zha89].

Alias [LC11, WGW04].

Aligned [Dab21].

Alignment [FJZ⁺15].

All-Parses [IP90].

All-Port [IBA11].

All-to-All [FPY08a].

Allgather [QA11].

Allocation [BE14, CND95, DLX⁺17, DS20, LkCH94, NG92, PZL⁺19, RY20, RY22, ZLD15, EO88, NP98].

Alloyed [LLSS03].

Allpairs [SFAG14].

Alltoall [QA11].

Alone [DJR16].

Alternate [PK20].

Alternative [KF99, FcF87].

Alternatives [Bel94, MB99, NPT86].

Altruism [LCL19].

Altruism-Based [LCL19]. **AMAIX** [ZJL22]. **Amdahl** [Ano87a, PM07]. **AMR** [NLRH07]. **Analyses** [CI96, GV95, SJW22]. **Analysing** [BDD⁺18]. **Analysis** [AK96, ABTZ00, AFO⁺08, AW98, BEA⁺19, BG96, BFRPVR⁺15, CSC⁺00, CSD21, CAZ02, CAT18, CPL⁺10, Fea91, Gha19, GH96, HML⁺20, Jak19, KP04, LT17, LCL19, LY95, LHF⁺15, LWDL17, LHP⁺17, LC11, MP91, MHL95, MP04, NSU22, NP19, PCJ20, PPEP08, RLEJ19, RRH03, Sca11, SSP⁺96, SO89, US05, WGW04, dMP⁺03, AD86, GTK⁺88, NPD89, RS90, KR87]. **Analytical** [KWA⁺10, NP19, VCP⁺13, ZJG17, ZJL22]. **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]. **Ant** [ASG20, dMMHdLN21]. **Anti** [CDRV98]. **Anti-** [CDRV98]. **Apache** [ZLA21]. **APCFS** [KK11]. **API** [LCT⁺20, TTF22]. **APL** [GS90]. **app** [DJR16]. **Application** [ACC⁺02, API03, BGdS09, BS07, CZTM03, Dam07, EGK23, FJO⁺16, HL21, 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, BEJD21, 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, ÓA21, PPQV16, RLPN⁺02, RSJ⁺14, RGB⁺08, SR15, SÜCV17, SSB⁺17, SASH12, SBN03, TG21, TB23, TMHT96, WL16, WLL17, ZK07, ZZS⁺19, ZD19, ZSH⁺12, GKMB87, SDJS98, SS89]. **applicative** [Hun87]. **Applied** [BUMS02, KaM10, Lin91a]. **Approach** [AK90b, AVM⁺16, BBB⁺17, CHB06, DM17, FCZ16, FJA⁺18, FBV21, FJO⁺16, GAG22, GYL92, JQWG15, KK20, KSF⁺18, KSA⁺18, LTF⁺12, LLL⁺15, LCT⁺20, MO91, NN95, OATGEL15a, PMV17, QZP15, STM15, VSDK09, qWlJzKhC17, 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, GWPV21, GL92, HTZ⁺97, HL21, JLDS16, LHP⁺17, MB12a, MB99, MSPR18, NdMMW16, NAP02, RD08, STF⁺12, SJT13, TRD21, YS22, ZTY⁺19, CB86, GKMB87]. **Architecture-Agnostic** [NAP02]. **Architectures** [Ano18b, Ano18a, BG96, BFG⁺10, CPG01, CND95, CJA00, GBPK07, Ged13, GAG22, GGV17, HCEP98, HP13, LAD15, MCE13, MGJS15, Mis09, NFC⁺09, NdMCdMMW16, PJS⁺05, PMM⁺18, PG16, PVG17, RJO22, RMH21, RSJ⁺19, SJBV06, SMH21, TG21, TB23, TJY99, TF94, VHk⁺18, ZLAV04, ZZS⁺19, LRG⁺91]. **Area** [RSP20, Roy10, SWZ⁺15, WMN⁺17]. **Argument** [ABASS12, NG92]. **Argument-Fetching** [NG92]. **Arithmetic** [ABASS12]. **ARM** [MGL⁺17]. **ARMv8** [CFC⁺19, KHT21]. **ARMv8-based** [CFC⁺19]. **Armv8-M** [KHT21]. **Arnoldi**

[LEA15]. **Array** [AM04, BG96, CZ12, CI96, Fea91, GV95, GS06, GW19, GB20, SMM94, TG05]. **Array-oriented** [CZ12]. **Arrays** [EHKT07]. **Arrival** [FPY08b, QA11]. **Art** [KPS14, LHL⁺16]. **Artificial** [CSCL20, GKC22]. **ASIPs** [ALTT17]. **Aspect** [KKSP18, KK20]. **Assembly** [ABTZ00]. **Assessing** [EGK23, KKSP18]. **Assessment** [BKK20, BKK23, FJA⁺18, Hal86, UWF⁺20]. **Assignment** [CB01, Fos89]. **Assimilation** [XZT20]. **Assisted** [GRV⁺17, GAG22, MMG04, RMG⁺13, CMW⁺94, LCF21]. **Asteroid** [RC16]. **Astronomy** [vNR11]. **ASW** [ZTY⁺19]. **Asynchronous** [BBC07, CJS21, DF98, GSS10, GW19, PHS19, SAS18, CG94]. **Atmospheric** [SMSh13]. **Atomic** [SW16, Win89]. **Atomics** [HVF18]. **Attack** [ABSSS19, MWES19]. **Attacks** [AAI⁺20a, AAI⁺20b, GWHY19]. **Attempting** [GYL92]. **attitude** [WSC20]. **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, BEJD21, JGP⁺18, VNU19]. **Automatic** [AAB⁺16, API03, ALG⁺95, BG17, BGGT02, CZ12, CZTM03, Col95, CAZ02, EM14, FCRC16, GK94, GVB⁺06, GRC⁺14, GYP22, GMS00, HHC⁺15, Jak19, JW16, LQWP10, PHS19, SRS06, SHK13, SSB⁺17, SNS21, TFEK16, TG05, ZLC⁺19, vdSGBW08, KMV87]. **Automatically** [DDJ⁺18]. **Autonomic** [GGV17]. **Autonomous** [KK11]. **Autotuning** [BC15]. **Avoidance** [NBA13]. **Avoider** [YZZ20]. **Avoiding** [MMN15, SJBV06]. **AVX** [RSJ⁺19]. **AVX-512** [RSJ⁺19]. **Aware** [AOAM21, AAB⁺16, AVLV03, CTK⁺11, CAK17, DCX⁺17, FPCD14, GB20, HZZS20, JQWG15, JAW17, JLDF19, JDF20, KHT21, LQWP10, LGY16, LHLT19, Mar17, MMD21, PS23, QA11, WTZ⁺19, WTQ21, XLWX19, YHGW16, MEP07, YFC21]. **Awareness** [KAI20, RGB⁺08]. **Axiomatization** [GM20]. **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** [AAN⁺20, AAI⁺20a, AAI⁺20b, AOAM21, ABSSS19, AA15, BEA⁺19, BMA02, BHL21, BKK20, BKK23, BEJD21, BDD⁺18, CLJH16, CND95, CLL21, CDC09, CPMC96, DK16, DeB87, DM17, DGMP09, DWQ17, EVK22, FLMR17a, FLMR17b, FCZ16, FJA⁺18, FR95, FJZ⁺15, FC11, FPCD14, FCRC16, GBPK07, GMB06, GAG22, GGV17, GF14, GL18, GHR20, GL92, HZL16, HmWHR97, HF14a, HF14b, HHC⁺15, JK12, JCW⁺18, KBD03, KKMS99, KF99, KTF23, KGK20, KT01, KJPN10, LLM⁺12, LLM16, LPF16, LJ09, LCL19, LLL⁺15, LWP04, LWDL17, LCL17, LYG⁺18, MLdIP02, MCFM12, MGL⁺17, MPR⁺05, NYHA14, NSU22, NRR99, NRGB17, OB13, PDN21, PK20, PC13, QZP15, RSP20, RLH14, RMH21, RBR22, RSJ⁺14, RSJ⁺19, SAB11, SAI⁺20, SZH18, SJC18, SS17, SÜCV17, SHZ⁺14, fSxWC18, SW95, SWF⁺17, SDL17, TSS99, TFEK16, TESK06, TG05, UKT00, US05]. **Based** [UWF⁺20, VVCA23, WLL⁺08, WL16, WHC⁺17, WWG⁺19, WK20, YWW⁺19, YHGW16, YLB19, YZZ20, ZLD15, ZQT20, ZLA21, ZWJK05, ZJG17, ZXY⁺15, ZHF⁺19, uRHH14, BBR11a, BC10,

CFC⁺¹⁹, **KWA**⁺¹⁰, **KSF**⁺¹⁸, **KM86**, **LP94**, **LJ08**, **MB12b**, **OATGEL15a**, **Pan08**, **RD08**, **RK13**, **SL14**, **YFC21**, **Mil88**. **Basis** [DMC⁺¹⁸, FT87, Sch92]. **Bat** [NRGB17]. **Batch** [QGT⁺¹⁹]. **be** [DM87, BGMR11]. **Bedding** [WSC20]. **Bee** [CSCL20]. **Before** [LCT⁺²⁰]. **Behavior** [LGY16, TMHT96]. **Behavioral** [LCL19, TLSG05, VMS15]. **Belief** [MXP14, SF20]. **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, DC20, DX14, HSXH19, KIT⁺²⁰, LT17, RSA⁺¹⁸, WTZ⁺¹⁹, WTQ21, YS22]. **Billions** [qWlJzKhC17]. **Binaries** [JMSG02]. **Binary** [ABSSS19, ABvK⁺¹³, DPS90, HRC17, LSA⁺⁰⁷, LYG⁺¹⁸, NRGB17, MA87]. **Binding** [Con88]. **Bio** [CSCL20]. **Bio-Inspired** [Mis09, CSCL20]. **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, SSB21, TSS99]. **Block-Based** [TSS99]. **Block-Structured** [HCEP98, MP95]. **Blocked** [SMN09]. **BlockGraphChi** [SMDJ19]. **Blocking** [EKU22, BG17]. **Blocks** [CBR17, KTRZ⁺¹⁷, TTMD23]. **Blue** [MSA⁺⁰⁷]. **Boltzmann** [SMN09]. **Boost** [HP13]. **Boosting** [KTBP18, LRG14]. **both** [LSM⁺¹⁸]. **Bottom** [SKG09]. **Bottom-Up** [SKG09]. **Bound** [Hun91, JGA⁺⁸⁸]. **Boundaries** [SNB04]. **Bounds** [Hen21]. **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, GM20, HMF⁺¹³, Jak19]. **BSP-Why** [FG16]. **Buffer** [YJY16]. **Bug** [WLWZ15, YZZ20]. **Bugs** [PCJ20]. **Building** [CBR17, DMC⁺¹⁸, KTRZ⁺¹⁷, TTMD23]. **Burstiness** [RNJ⁺¹²]. **Bus** [GBPK07]. **Butterfly** [LAD15, Bro86]. **Bypassing** [MS99, OVA04]. **Byte** [KF99]. **Byte-Codes** [KF99]. **Bzip2** [GHDF19].

C [BJM20a, BG03, CAZ02, GH96, HG18, HTZ⁺⁹⁷, LHP⁺²², NLBB23, PB04, SSB⁺¹⁷, SNS21, TTF22, YBRM14]. **Cache** [AOAM21, 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, LVJ22, MKAP05, PO07, TFMP97, WMC98]. **Caching** [KVG18]. **Cake** [CHSC18]. **Calculating** [LBT17]. **Calculation** [Boh23]. **Calculations** [HdMMK22, HK23]. **Calculus** [HL21]. **Call** [JK12]. **Calling** [JK12]. **can** [DM87, NLBB23]. **Cancellation** [GN20]. **Capabilities** [OATGEL15b]. **Capturing** [FM09]. **Car** [RLK20]. **Carbon** [CDC09]. **Cardiac** [LLGC17, XOdFV⁺⁰⁹]. **Carlo** [BJM20b, 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]. **CCRP** [BHL21]. **CDMA** [GN20]. **Celerity** [TTF22]. **Cell** [WSO⁺07, BGMR11, Gsc07, OOS⁺08, Sca11, SKG09]. **Cell/B.E.** [Sca11]. **Center** [DFZ21]. **Centers** [AAN⁺20, LVM16]. **Central** [FVvL⁺16]. **Centric** [CM06, FPCD14, KP01]. **Cetus** [BML⁺13, RMG⁺13]. **Challenges** [Bel94]. **Change** [LFHAM19]. **Channel** [Gha19, GL92, HZZS20, WQJY17]. **Channel-Aware** [HZZS20]. **Channels** [FDY⁺19, KLK16, YDV19]. **Characteristics** [SH96, Tic90]. **Characterization** [AVM⁺16, GM20, YDV19]. **Characterizing** [BGdS09, CFX⁺20]. **Charismatic** [LKS⁺20]. **Check** [NRR99]. **Checking** [AKBPV19, Hen21, HMK09, TLSG05]. **Checkpointing** [LNP91, RMG⁺13]. **Chemistry** [CGN⁺09]. **Chinese** [FCZ16]. **Chip** [AO19, AOAM21, GRV⁺17, GG13, Gsc07, JLDF19, JDF20, KKZN12, KSEG14, KT01, LS07, MVB⁺06, OP12, PM07, TGT18, TESK06, ZK07, ZGH⁺15, ZC09, AH08]. **Chip-Multi** [AOAM21]. **Chip-Multiprocessors** [GRV⁺17, TGT18]. **Chips** [NCR⁺19]. **choice** [BS89]. **Cholesky** [GN89]. **church** [Ano86a]. **Circuit** [PMV17, WPC07]. **circuits** [BH87]. **CISL** [MPR⁺05]. **Cities** [KIT⁺20]. **Clairvoyant** [SY08]. **Class** [BEP13, MPR⁺05, IPR⁺05]. **Class-Based** [MPR⁺05]. **Classification** [CHYP96, CS20, KTBP18, Mon97, NAS23, QZP15]. **Cleaning** [MCT⁺18]. **Clearance** [GAK20]. **Climate** [HNC⁺16, LHF⁺15]. **Cloaking** [MS99]. **CLOMP** [BGdS09]. **Closure** [CAP88, KP95, KPRS96, VK88]. **Cloud** [AAI⁺20a, AAI⁺20b, CAK17, DS20, HZL16, HC17, JM20, JQWG15, KJHB14, RLH14, WQJY17, XZX⁺15, XLWX19, uRHH14]. **Cloud-Based** [AAI⁺20a, AAI⁺20b]. **Clouds** [JAW17, LTF⁺12, LCT⁺20]. **Cluster** [CYS16, EAT14, ES11, FPCD14, LJ09, LTL15, LSYG15, MLdIP02, NIK00, SCB⁺14, YS22]. **Cluster-Based** [FPCD14, LJ09]. **Clustered** [CPG01, GBPK07]. **Clustering** [ANS20, BABW14, CS20, CAP88, DMC91, FCZ16, LKS⁺20]. **Clusters** [BEA⁺19, BS03, BC15, DWQ17, EAK21, FPY08a, GCD⁺03, GSY⁺13, HC17, HOZ06, QA11, RPF18, TTF22, WK20]. **CMP** [DLX⁺17, LTL15]. **CMPs** [BHJ06, FC11, KKZN12, LGY16]. **CNN** [SHS21]. **CNNs** [SWG⁺18]. **Co** [GRAG00, MPR⁺05, NB15]. **Co-Generation** [MPR⁺05]. **Co-operation** [NB15]. **Co-Scheduling** [GRAG00]. **Coarse** [CSF⁺20, NIO⁺03, PSM97, SSM21, WW17, AD89]. **Coarse-Grain** [PSM97]. **Coarse-Grained** [CSF⁺20, SSM21, WW17]. **Code** [AKBPV19, ABTZ00, BTB⁺13, CPG01, GBLG10, GK94, HBC23, HRC17, JS10, KaM10, KAMAMA17, LF15, LC11, MGW99, MCA98, MP04, NRB94, NLBB23, ÖO07, PB04, TFEK16, TF94, WNMW16, WK20]. **Codes** [CAZ02, ELGE17, HTK98, KF99, RMG⁺13, SF20]. **Coding** [DLRS13, MB12b, SSEA14, YMW⁺17]. **Coflow** [CLL21]. **Coherence** [CMW90, FC11, KSEG14, MPAG18, PMM⁺18, SNB04, SMH21, 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]. **Colluding** [AKA⁺20]. **Colony** [ASG20, CSCL20, dMMHdLN21]. **Combinatorial** [MAT23]. **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]. **Common** [BEJD21]. **Communal** [BKK20, BKK23]. **communicating** [Mai87, RS90]. **Communication** [AAN⁺20, 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 [HZZS20, Mon97].
Compaction [DH00, KGK20, PYX17].
Compactors [ZC09]. **Comparative** [BFRPVR⁺15, HPVRPF15, LMPS05, YS22].
Compare [FLD15, Sun11].
Compare-and-Swap [FLD15, Sun11].
Comparison [BS07, DMC⁺20, 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, LCF21, LEL⁺99, MMG04, MO91, MCA98, MAB⁺11, PB04, RMG⁺13, RBES00, SSP⁺00, SBC17, SG00, TMHT96, TJY99, YZ13].
Compiler-Assisted [RMG⁺13, LCF21].
Compiler-Generated [JCD⁺14, MCA98].
Compiler-Parallelized [HTK98, TMHT96].
Compiler-Towards [SSP⁺00]. **Compilers** [HML⁺20, MPR⁺05, ME15, SGK12].
Compiling [HTZ⁺97]. **Complementary** [LkCH94]. **Complete** [BdS07]. **Complex** [AMP⁺05, CHCL14, fS18]. **Complexity** [DFH17]. **Component** [EFED05, MLdlP02, fSxWC18].
Component-Based [MLdlP02].
Components [DKB⁺09, DJR16].
Composability [CB19]. **Composable** [AMP⁺05]. **Composed** [LWF⁺19].
Composition [GVB⁺06, GGV18, HHC⁺15, RK13].
Compositional [EHKT07, TLSG05].
Comprehensive [OATGEL15a].
Compressed [KK11]. **Compression** [BABW14, HNC⁺16, KKMS99, TSS99, VHK⁺18]. **Computation** [BG17, BEP13, CJA00, Cza17, DMMS91, FLMR02, HSCI⁺16, JAW17, KSBN22, LEA15, MCWK01, MNN22, NdMM09, PGLC⁺18, Ric90, SSM21, Ski91, SSB21, KMV87, MA87]. **Computation-Oriented** [SSM21]. **Computational** [HLK⁺09, LLL⁺15]. **Computations** [HKJ⁺18, IH04, JLV21, NST89, PMHC03, SBC17, VCP⁺16, YH18, LRG⁺91, SS89, TKM89, Wai87]. **Compute** [LSM⁺18, SR15]. **Compute-intensive** [LSM⁺18]. **Computer** [ACC⁺02, Ano18a, DB08, DMC91, Kuc94, MCE13, MGJS15, MB12a, PVG17, RJO22].
Computers [Bel94, GHC⁺17, HOZ06, MLdlP02, Ano87d, Gao86]. **Computing** [APR⁺18, ACD⁺16, Ano16b, Ano18b, Ano19, BE14, Car09, CTP13, CSF⁺20, CGPS18, CSTGL03, DDD⁺19, DFH17, Den94, DS20, FBV21, FKT12, GWYQ18, Gha19, HMF⁺13, HdMMK22, HK23, HLS15, HS16, JM20, KJHB14, LLGC17, LRG14, MB12a, OATGEL15b, OG11, PLN⁺04, RLH14, SM09, SZ17, SWG⁺18, TG21, TRL09, TAY⁺12, TFPF18, VCP⁺16, WTZ⁺19, WTQ21, WSO⁺07, WGW04, YS22, YFC21, Zha10, ZZS⁺19, NK88, DB08].
Concatenation [Zey05]. **Concept** [KaM10].
Concurrency [BAF94, Gen16, PCJ20, SB90, VSH⁺11, WLWZ15, YZZ20, AD86, CP88, DM87, Pra86].
concurrency/synchronization [AD86].
Concurrent

[Ano16c, AR16, CHSC18, GMP89, LWDL17, PB01, SBC17, TSS86, VVCA23]. **Condition** [NBN⁺15]. **Conditional** [LNG12]. **Conditions** [MJ02]. **Conference** [MCE13, PVG17, RJO22]. **Confidence** [KMG01]. **Configurable** [HL21, TRD21]. **Conflict** [CRM17, NBA13]. **Conflicts** [GG13, SD11, WS14]. **Conformance** [TLSG05]. **Congestion** [AAN⁺20, JLDF19]. **conjugate** [SDJS98]. **Connected** [DMC91, DWS16]. **Connection** [GH96, PW92]. **Connectionism** [Ano87b]. **Connections** [ALTT17]. **conquer** [MFC21]. **Conscious** [ZK07]. **Consecutive** [AKA⁺20]. **Consensus** [NAS23]. **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, SHS21, VCP⁺16]. **Constraint** [MRLR16, JB98]. **Constraints** [AKD98, AF15, API03, BEJD21, BBR11b, RBES00, SWZ⁺15]. **Construct** [Spr92, FcF87]. **Constructing** [DWQ17, KP05, DPL86]. **Construction** [BNWL90, CP04, WR18]. **constructs** [BCK98]. **Consumption** [RSP20]. **Container** [DST21]. **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** [AAN⁺20, AmWHM99, FM09, Gen16, Kas86, KHT21, MCA98, MJ02, NYHA14, RLK20, SKA96, SB90, VSH⁺11, YKM03, ZGH⁺15, FK87]. **Control-Flow** [KHT21]. **Controlled** [DJS12]. **Controllers** [ANS⁺12, MFGEL19]. **controlling** [VR88]. **Converging** [BHL21]. **Conversion** [AmWHM99, SJBV06]. **Convex** [SS92, SSMO96]. **Convoyer** [YZZ20]. **Convolutional** [WZG⁺17, YYYX20]. **cooperating** [NP98]. **Cooperation** [LCL19, PTdSF⁺12]. **Cooperative** [ANS20, AATD20, 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, MFU21, PMM⁺18, RPF18, SSEA14, SHLJ17, SMDJ19, SASH12, SA10, VMS15, WZTH13, Zha10, vNR11, BEJD21, CZ12, Ged13, HML⁺20, MXP14, NdMCdMMW16, QZP15, RC16, XWH21, uHKAMFM16a]. **Core-to-Core** [WZTH13]. **Cores** [Boh23, CTK⁺11, HG18, RTD20]. **Cores-Enabled** [Boh23]. **Correction** [AAI⁺20a, 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]. **Costs** [TB23]. **Countering** [AAI⁺20b, AAI⁺20a]. **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** [BHL21, YHGW16]. **Credit-Based** [BHL21, YHGW16]. **Critical** [SK97]. **Cross** [AM95, DSR17, WCC16, ZJG17]. **Cross-ISA** [WCC16]. **Cross-Platform** [ZJG17]. **Cross-Thread** [DSR17]. **Crypto** [MWES19]. **Cryptography** [Dam07]. **CSMqGraph** [CSF⁺20]. **CSP** [FcF87].

CTA [YHGW16]. **Cuckoo** [DS20]. **CUDA** [HLP11, HF14a, HF14b, KAMAMA17, LRG14, MGL⁺17]. **Curve** [Bos12]. **Custom** [MCFM12]. **Customization** [GSY⁺13]. **Customized** [ASG20]. **Cycle** [FCJV99, HZZS20, SAB11, TGT18, dMP⁺03]. **Cycle-Approximate** [TGT18]. **cyclic** [JB98]. **Czip** [HNC⁺16].

D [BC15, CTB14, ES11, HPVRPF15, HF14a, HF14b, IBA11, JGM15, LLGC17, LHP⁺17, SJKA99, fSxWC18, SBC17]. **D-Stacked** [LHP⁺17]. **DAFT** [ZLJA12]. **Daily** [Ano87c]. **DancerFly** [JDF20]. **Data** [APR⁺18, AKHD13, ABTZ00, Ano16d, AMKE18, ALPS19, AJF16, ANS⁺12, ALG⁺95, BARSW95, BS03, BBGM95, BG96, BCL17, CFB94, CAK17, CAT18, DDD⁺19, DM17, DC20, DTLW16, DMC⁺20, DX14, DFZ21, DLX⁺17, DJS12, EW96, EK17, ELGE16, FJA⁺18, FRT⁺18, FPCD14, GSP⁺17, GG14, GL18, GV99, GYL92, GB20, HSCI⁺16, HZZ⁺19, HRH08, HHW20, HP13, HGT⁺12, HTmG⁺12, HNC⁺16, IR19, KIT⁺20, KTF23, KP01, KP04, LSA⁺07, LTL15, LVM16, LT17, LSM⁺18, LWLG11, LHF⁺15, MXP14, MHL95, MCWK01, MTT15, NRR99, NP19, NAP02, NLRH07, OK99, PCJ18, PMHC03, RSA⁺18, RG15, RS90, Ric90, RSJ⁺14, SdLC21, SNB04, SS99, SL14, SQH92, SR04, SH15, SASH12, TESK06, TFMP97, VVCA23, WTZ⁺19, WSC20, WTQ21, WB87, WE18, WW17, XZT20, XH98, YAI95, YWW⁺19, YS22, YLB19, ZLA21, vdSGBW08, CG94]. **data** [Gao86, Kas86, Win89]. **Data-** [LSM⁺18]. **Data-Centric** [FPCD14, KP01]. **Data-Driven** [AMKE18, DTLW16, TESK06]. **Data-Flow** [Ano16d]. **Data-Intensive** [LWLG11]. **Data-Locality** [CAK17]. **Data-Obtaining** [XZT20]. **Data-Parallel** [AJF16, SQH92]. **Data-Sharing** [SNB04]. **Database** [SB90, STM15, VK88]. **Databases** [WZB⁺92]. **Datacenters** [BHL21]. **Dataflow** [BS15, CGPS18, CZTM03, Fea91, FBGEL19, JCW⁺18, LS98, NRB94, NG92, OGP⁺16, TB23, WGF⁺16, ZD19]. **Dataflow-Based** [JCW⁺18]. **Dataflow-Inspired** [OGP⁺16]. **Datapath** [SdLC21]. **Datasets** [MV17]. **Daytime** [fS18]. **DCF** [JCW⁺18]. **dCompaction** [PYX17]. **Deadlock** [LWDL17]. **Deanonymization** [GWHY19]. **Debugging** [BBGM95]. **Declarative** [KTF23]. **Decomposed** [WEJS94]. **Decomposition** [ADC⁺17, BUMS02, QZP15, YYYX20]. **Decomposition-Based** [QZP15]. **Decoupled** [ZLJA12]. **Deductive** [FG16]. **Dedup** [DCX⁺17, GHDF19]. **Deduplication** [DCX⁺17]. **Deep** [CLL21, FFS18, GVB⁺06, HZZ⁺19, MFC21, PVF21, QGT⁺19, YZZ⁺19, ZJL22]. **DeeperThings** [SHS21]. **Defect** [OB13]. **Defend** [FDY⁺19]. **Defense** [YDV19]. **Define** [JACK20]. **Defined** [CSCL20, KWA⁺10, KIT⁺20, NSU22, RMH21, DM87]. **definite** [GHLN86]. **Definition** [OK99]. **Degree** [AK17]. **Delay** [BMA02, NST89]. **Delayed** [PYX17]. **demand** [JK86]. **demand-driven** [JK86]. **Demonstrating** [ACC⁺02]. **Denotational** [Hud86]. **Dense** [KFC08, MVB⁺06]. **Dependence** [ABTZ00, DV97, GV95, KP04, MHL95, Mon97, NP19, SW95, YAI95, WB87]. **Dependencies** [CDRV98, DSR17]. **Dependencies** [CH95, JB98]. **Dependency** [MWES19, WTZ⁺19]. **Dependency-Aware** [WTZ⁺19]. **Dependent** [DFA⁺09, VMS15]. **Deployed** [AAN⁺20]. **Deployment** [PK20]. **Depth** [PTdSF⁺12, ZJL22, KR87, RK87, SJW22]. **Derivation** [MLdIP02, SO89]. **Derivative** [Boh23]. **Derived** [NFC⁺09]. **Deriving** [Wai87]. **Description** [ARB⁺05, MPR⁺05]. **Descriptions** [GmWHR98, KP05]. **Design** [ACD⁺14, AML⁺10, AR16, BC10, BDD⁺18, BS91, CHB06, CDC09, CZTM03, DMK21,

FVvL⁺¹⁶, HLK⁺⁰⁹, KHH08, KWA⁺¹⁰, KS97, LMHW18, MB99, OGP⁺¹⁶, PG07, PP10, RK13, SSP⁺⁰⁰, SY08, TLSG05, TKN⁺⁰⁸, WLL⁺⁰⁸. **Designing** [BKK20, BKK23, SCB⁺¹⁴]. **Desktop** [GS13]. **Detailed** [LLGC17]. **Detect** [DS16]. **Detecting** [AKA⁺²⁰, SW95]. **Detection** [CLJH16, CRM17, DV97, HPY01, HTDL18, Jan15, KSJ14, LFHAM19, MTT15, NSU22, NRGB17, fSxWC18, fS18, WLWZ15, YWW⁺¹⁹, YLB19, ZQT20, Tho87]. **Detection/Correction** [HTDL18]. **Determinism** [SÜCV17]. **Deterministic** [EVK22, PTD⁺⁰⁶, ZC17]. **Developing** [CEH13, EHKT07, GHC⁺¹⁷]. **Development** [Dam07, TCUV14, dMP⁺⁰³]. **Device** [GZJ18, MFGEL19]. **Devices** [AER⁺¹⁷, AGPGF14, Dam07, JQJ⁺¹⁶, SHS21]. **DFA** [KJHB14]. **Diagnosis** [GKC22]. **Diagnostics** [RC16]. **Diagonalization** [HOZ06]. **Difference** [Ger10]. **Different** [DMC⁺²⁰, GWPV21, JCH⁺⁰⁸]. **Differentiated** [AKT⁺¹⁴]. **Diffusion** [HF14a, HF14b, SDJS98]. **Digital** [GP17, RSP20, SS92, ZC09]. **Digital-Microfluidic** [ZC09]. **Dijkstra** [FBV21]. **Dimensional** [BARSW95, EHKT07, LPB13, Fea92a, RG18, WLL17]. **dining** [RB86]. **Directed** [BDH⁺¹⁴, Hue97, Zha89]. **Directives** [AAB⁺¹⁶, HSCI⁺¹⁶]. **Discontinuous** [CF19]. **Discovery** [GHC⁺¹⁷]. **Discrete** [Dem11, PPQV16, SSB21]. **Disjoint** [SH15]. **Dispatcher** [SY08]. **Dispersion** [RSV⁺⁰⁵]. **Distance** [BEP13, HGT⁺¹², KAI20]. **Distributed** [AKA⁺²⁰, BS03, BR14b, Boh23, CY14, CCL12, CR19, CHCL14, CSTGL03, DS97, DZW10, EK14, FSS06, FPCD14, FBGEL19, GHM14, GL95, HK23, HOZ06, JLJ⁺¹⁸, JAW17, KTF23, LWL⁺¹⁹, Lin91a, LHP⁺²², MP91, MMG04, MBE03, MVD⁺¹⁴, NIK00, OATGEL15b, OG11, PLN⁺⁰⁴, PS23, SNB04, SW16, SB91, SHS21, TTF⁺⁰⁸, TTMD23, qWlJzKhC17, WTL⁺²³, AH86, GS90, GT86, PW87, RB86, RS90, TKM89, Tho87, Sek09]. **Distributed-** [FBGEL19]. **Distributed-Memory** [BS03, TTMD23, qWlJzKhC17]. **Distributed-Order** [Boh23]. **Distributing** [HHW10]. **Distribution** [ALG⁺⁹⁵, HSCI⁺¹⁶, NAP02, SSP⁺⁹⁶]. **Distributions** [AKHD13]. **Divergent** [LVJ22]. **Divide** [MFC21]. **Divide-and-conquer** [MFC21]. **Divisible** [RSJ⁺¹⁴]. **DMR** [ZC17]. **DNN** [LCF21, WTL⁺²³]. **Do** [Kuc94]. **DocChip** [TRD21]. **Document** [LKS⁺²⁰, TRD21]. **Domain** [CB19, GF14, TFEK16, WL16, WK20, RK13]. **Domain-Based** [GF14]. **Domain-Specific** [WK20]. **Dominance** [Spr92]. **Dominating** [DWS16]. **Double** [KJPN10, LLM⁺¹²]. **Double-Precision** [KJPN10]. **Downsampling** [LTSD15]. **DRAM** [SJW22, WMN⁺¹⁷, ZLJ⁺¹⁷]. **DRAMSpec** [WMN⁺¹⁷]. **DRAMSys4.0** [SJW22]. **Driven** [AMKE18, CPMC96, DTLW16, GRC⁺¹⁴, RNJ⁺¹², TOM⁺¹¹, TESK06, VNU19, XH98, JK86, Kas86]. **Driver** [GZJ18]. **Drives** [YJY16]. **DRL** [CLL21]. **Drone** [MMD21]. **dRuby** [Sek09]. **DS** [GN20]. **DSM** [BAP01, MMG04, WLL⁺⁰⁸]. **DSMs** [HTK98, KVG18]. **DSP** [SHK13]. **DSParLib** [LHP⁺²²]. **Dual** [WS08]. **Dual-thread** [WS08]. **Duo** [BKT08]. **Duplication** [CKC22]. **Duty** [HZZS20]. **DVFS** [CKC22]. **DynaCo** [SMH21]. **Dynamic** [ABvK⁺¹³, CPG01, CR19, CS97, CML04, EWHS11, GAG22, Hue97, JK12, JM20, JCD⁺¹⁴, KCW⁺⁰⁵, LSA⁺⁰⁷, LTF⁺¹², LSYG15, LCL19, LGY16, LMPS05, Lys08, MRLR16, MTT15, NBA13, NLRH07, OVA04, PDN21, PD89, PCJ20, PO07, PVF21, RSP20, RMH21, RD08, RRR03, SSNS16, SR04, SMH21, SJT13, TCUV14]. **Dynamically** [CHPC96, GMB⁺¹¹]. **Dynamics** [ACC⁺⁰²]. **DySHARQ**

[RMH21]. **DyTO** [JM20].

Eager [SAL16]. **Early** [PYC16, TA99].

EARTH [HTZ⁺97, HMT⁺96].

EARTH-MANNA [HMT⁺96]. **Eat** [CHSC18]. **Economics** [LCL19, YBDJ17].

Ecosystem [RSA⁺18]. **Edge** [MMD21, SHS21, YFC21, ZQT20]. **Editor** [EA09, MA10, SS10, BCL90, Ano00a, Ano14, Ano16a, Ano16b, Ano16d, Ano16c, Ano18b, Ano18a, Ano19, Ano20, Ano21a, Ano21b, Ayg03, Ban94, Ban04a, Ban04b, Car09, Fur95, Gau96, Giv07, Giv08, Int98, JS06a, JS06b, Joe99, Joe03, Kes20, McK07, Mis09, NL23, Ora03, Pan08, Seh98, Vei01, Vei02].

Editorial [Ano86b, AG15, Bro19, CTP13, CAT18, DPT17, FKT12, FH05, GGE19, Gha19, GK18, Gre16, HK14, HSXH19, JACK20, LFL⁺17, LT17, MCE13, MGJS15, MGD⁺14, OG11, PP10, PVG17, RJO22, SGK12, SS10, TG21, TFPF18, ZZS⁺19].

Editors

[SMM11, HF06, AM07b, CHS99, CmHS99, EmH97, FmH96, GSA08, GS05, HN94].

Effect [NPD89, BCK98]. **Effective** [CPMC96, HGT⁺12]. **Effectiveness** [GYP22, MHL95, PYC16, SBN03]. **Effects** [HRH08, TF96]. **Efficiency** [BBB⁺17, EGK23, KTBP18, STF⁺12, SWZ⁺15].

Efficient

[ABvK⁺13, BR97, BEP13, BCL14, BFG⁺10, CR19, CPT14, CL96, CKC22, EAT14, FPY08a, Fea92b, FVvL⁺16, GSP⁺17, GG14, GN20, GL18, GAK20, GS06, GRR98, GHC⁺17, GmWHR98, HZZ⁺19, IP90, IBA11, JGM15, KDV22, KP05, LNP91, LS05, LNG12, LWLG11, LMHW18, LWGZ18, NRR99, NdMMW16, QRW00, RPF18, RSP20, RLEJ19, Roy10, SRS06, SSNS16, SL14, SSP⁺96, SS23, SO89, SKAT91, SHC15, SHZ⁺14, SJT13, TTF⁺08, WZTH13, XZX⁺15, YJY16, YLB19, Fea92a, Hua89].

Efficiently [EGJS15, HR11, JMSG02].

Elastic [GG13, YBDJ17]. **ElasticActor**

[ZLC⁺19]. **Electronics** [GWPV21].

Element [MCT⁺18, RG15]. **Elements**

[qWlJzKhC17]. **Eliminate** [KTT⁺99].

Eliminating [HTK98]. **Elliptic** [Bos12].

Embedded [Ano18a, Ano21b, AF15, CHB06, CFF⁺06, DLRS13, DLX⁺17, Giv07, Giv08, KTBP18, LMPS05, MSJ20, MCE13, MGJS15, MAB⁺11, Pan08, PP10, PVG17, PO07, PPEP08, RJO22, SSM21, TLSG05, TFEK16, TGT18, US05]. **Embedding**

[Li03, CSG89]. **Emergency** [GAK20].

Emerging [HP13, JACK20, TG21, ZZS⁺19].

Empirical [CCG⁺14, LDHL05, PMV17, SSMO96, YYYX20]. **Employing** [CS97].

Emulator [WCC16]. **Enable**

[HP13, ID08, TAY⁺12]. **Enabled**

[Boh23, FKM⁺11, GZJ18, GSY⁺13,

JACK20, MMD21, SAI⁺20, RA09].

Enabling [GZJ18, SdLC21, SMDJ19].

Encore [GTK⁺88]. **Encryption**

[AAI⁺20b, KBD03, NdMMW16, AAI⁺20a].

End [LSHK09]. **End-to-End** [LSHK09].

Endpoint [JLDF19]. **Energy**

[AVLV03, CPT14, CKC22, EAT14,

FVvL⁺16, HYBA18, KAI20, LMHW18,

Mar17, SSM21, SJT13, VCP⁺16, XLWX19].

Energy-Aware [Mar17, XLWX19].

Energy-Constrained [VCP⁺16].

Energy-Efficient [CKC22, EAT14,

FVvL⁺16, LMHW18, SJT13]. **Engine**

[BC15, RLK20, Gsc07]. **Engineering**

[CPT14, KaM10]. **Engines** [MCFM12].

Enhanced [ABASS12, FMSG17, GRAG00,

RY20, RY22, RSJ⁺19]. **Enhancement**

[AMP01, CYS16, HML⁺20, KP01, LCL17,

SAI⁺20]. **Enhancing**

[ACC⁺01, GYP22, MP95, SZH18].

Ensembles [ASW⁺15]. **Enterprise**

[LVM16]. **Enumeration** [AG98, GL18].

Environment [AFM⁺06, AA15, BFG⁺10,

DMMP18, MFG⁺08, QFRA19, SQH92,

UWF⁺20, vdSGBW08]. **Environments**

[BCS⁺09, BFRPVR⁺15, Car09, CCL12,

CAK17, GWPV21, HHW10, HdMMK22,

HK23, KJHB14, LLM16, PCJ20, TTF⁺08, XLWX19, BCL90, Con88]. **Epidemic** [LEA15]. **Equation** [CTB14, ES11]. **Equations** [LM00, XOdFV⁺09]. **Equivalence** [AKBPV19]. **equivalences** [Mai87]. **Era** [AATD20, ABB⁺10, DX14]. **Erlang** [BDH⁺14, STB⁺18]. **Erratum** [Ano03, FLMR17a, HF14b, uHKAMFM16a]. **Error** [DFC⁺07, Moh19, ÓA21, RLK20]. **ESL** [GHR20]. **Estimating** [DMC⁺20, HGT⁺12, KK20]. **Estimation** [DKB⁺09, GHR20, KMG01, LPP16, LLL⁺15, MVD⁺14, TSS99, YYYX20]. **Evaluating** [AM95, BCK98, SCB⁺14, TF96]. **Evaluation** [AMAH01, BML⁺13, BS15, BEG⁺10, CCL12, CDC09, DMC⁺18, FC11, GBPK07, GWPV21, IPR⁺05, JGP⁺18, JCH⁺08, KHH08, LCL17, ME15, NRB94, NP19, OATGEL15a, PVAE98, SSMO96, TSB03, CSG89, LAV98, VK88]. **Even** [DCX⁺17]. **Event** [Dem11, PPQV16, RNJ⁺12, WZG⁺17]. **Event-Driven** [RNJ⁺12]. **Eviction** [GSP⁺17]. **Evolution** [ACD⁺16]. **Evolutionary** [ACD⁺16, PB01, STB⁺18]. **Evolving** [GKC22]. **Exact** [MAT23]. **Example** [SO89, Wai87]. **Exascale** [MAJD16]. **Exceed** [LS98]. **Exception** [FMSG17]. **Exceptions** [AHKR01]. **Executable** [LC11]. **Execute** [GYL92, BS89]. **Executing** [FCRC16]. **Execution** [AMKE18, BS15, BEJD21, BAF94, CHPC96, Col95, CSTGL03, CFF⁺06, DJS12, EAT14, FM09, GS06, GL95, JSHP97, KLG08, KGK20, LLL⁺15, LEG11, LCL17, Lys08, MFG⁺08, OGP⁺16, SNB04, SAS18, SB91, SBC17, TTF⁺08, Tic90, TF96, VVCA23, WE18, Ali86, Gol88, Kas86, KM86, SRV88]. **exemplified** [Tho87]. **Expansion** [BCC00]. **Experience** [Hal86, HmWHR97, RMG⁺13, SCB⁺14]. **Experiences** [CEH13, NP98]. **Experimental** [AFM⁺06, IPR⁺05]. **Experiments** [Hun87, NPT86]. **expert** [KM86]. **Explicit** [BP17, DMC⁺18, Ger10]. **Explicitly** [LMP98]. **Exploit** [ADC⁺17]. **Exploiting** [BS03, Gsc07, GL92, JG97, JLDS16, LS98, SASH12, VCP⁺16, YDV19]. **Exploration** [CZTM03, KWA⁺10, MSJ01, PMM⁺18, SEP08, WMN⁺17]. **Exploring** [AHKR01, FVvL⁺16, PG07]. **Exponentiations** [NdMM09]. **Expose** [GV95]. **Express** [GZJ18, QJ⁺16]. **Expression** [AFO⁺08, Sca11]. **Extend** [DFA⁺09]. **Extended** [BG03, DDD⁺19, Sch92, YAI95]. **Extending** [ABB⁺10, ML15]. **Extensibility** [CB19]. **Extensible** [CP04, SHK13]. **Extension** [BG03, CFB94]. **Extensions** [API03, CZTM03, RSJ⁺19, SG00]. **external** [CSF⁺20]. **Extracted** [KP04]. **Extracting** [PJS⁺05]. **Extraction** [AER⁺17, JK12, LKS⁺20]. **Fabrics** [GBC⁺08]. **Face** [LYG⁺18]. **FACILE** [GMP89]. **Factor** [BTB⁺13, MXP14]. **Factorization** [DZW10, LKS⁺20, GN89]. **Failure** [GCD⁺03, Mai87]. **failures** [TKM89]. **Fair** [Lin91a]. **FAIRIO** [AKT⁺14]. **Fairness** [FK87]. **False** [GMB95, MWES19]. **Family** [PVAE98]. **Farm** [EK14, JBB21]. **Fast** [BC15, CS16, HNC⁺16, JGP⁺18, JLMW15, Joh94, Ken01, KT01, NIK00, RGB⁺08, SMC94, SHLJ17, TA99, WZTH13, XZT20]. **Fast-Fits** [Joh94]. **FastFlow** [TTMD23]. **Fault** [AKHD13, CJS21, DFZ21, EAT14, GWYQ18, GJR09, Gha19, HTDL18, LJ09, MEP07, NAS23, NRR99, WGF⁺16, ZLJA12]. **Fault-aware** [MEP07]. **Fault-Management** [GJR09]. **Fault-Model-Relevant** [NAS23]. **Fault-Tolerant** [DFZ21, EAT14]. **Faults** [LG10]. **Faulty** [BB90]. **FEADS** [PG07]. **Feature** [CS20, SAS18]. **Features** [PYC16, Zha10]. **Feel** [NLBB23]. **Fences**

[HVF18, LNG12]. **Ferret** [GHDF19]. **Fetch** [HCEP98, MSJ01]. **Fetching** [NG92]. **FFNNs** [SDH22]. **Field** [QZP15]. **File** [ALTT17, AVLV03, CND95, KK11, Mar09, ZLAV04]. **Fill** [BMA02]. **Filtering** [JCW⁺18]. **Filters** [MKAP05, WdSAM⁺17]. **Find** [CAP88, KP95]. **Finding** [KLK16]. **Fine** [BG96, CTK⁺11, DV97, GL92, PSM97, SDH22, SZH18, WTQ21]. **Fine-** [PSM97]. **Fine-Grain** [BG96]. **Fine-Grained** [CTK⁺11, GL92, SDH22, SZH18, WTQ21]. **Finite** [BR97, Ger10, MCT⁺18, RG15]. **First** [GAR⁺16, KS90, MKAP05, KR87, RK87]. **First-Level** [MKAP05]. **Fish** [WMK19]. **Fits** [Joh94]. **Fix** [HZZ⁺19]. **fixed** [Ano86a]. **Fixpoints** [Ano87c]. **Flat** [FT87, TSS86]. **Flexible** [ELK18, KHH08, KKZN12]. **Flight** [SI11]. **Float** [HZZ⁺19]. **Float-Fix** [HZZ⁺19]. **Flow** [Ano16d, AmWHM99, BG96, FM09, GG14, GYL92, GV95, KHT21, KSN22, KTF23, MCA98, MJ02, NRR99, SBN03, Gao86, RS90]. **Flower** [MSJ20]. **Flows** [YKM03]. **Fly** [JDF20, KSJ14]. **Flying** [LCT⁺20]. **FOG** [SHLJ17]. **FORAY** [ID08]. **Forecast** [BBB⁺17]. **Forecasting** [MMD21]. **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, NLBB23]. **Fortress** [ASS21]. **Forwarding** [CLJH16]. **Forwarding-Based** [CLJH16]. **Four** [TSS99]. **Fourth** [BP17]. **Fourth-Order** [BP17]. **FP** [BARSW95]. **FPGA** [KJPN10, MCFM12, SCS23]. **FPGA-Based** [MCFM12]. **FPGAs** [STM15, VNU19]. **Fractal** [MP04, SC88]. **Fractional** [Boh23, JLMW15]. **Framework** [ASW⁺15, ASS21, AmWHM99, BKK20, BKK23, BFS05, CP04, CHB06, CB19, DKB⁺09, EWHS11, EHKT07, FJA⁺18, GWYQ18, GHR20, JK12, KHH08, KKSP18, LFHAM19, MGL⁺17, PG07, SHLJ17, SW16, SBC17, SJW22, TLSG05, TRL09, VFIN12, YWW⁺19, ZGH⁺15, ACD⁺14, LP94].

Frameworks [Ano19, DX14, OP10, WTZ⁺19, WTQ21]. **Free** [AR16, FLD15, LFD17, PMM⁺18, SMC94, Sun11, WTL⁺23, IP90, Lan90]. **Friendly** [HZZ⁺19, OOR13]. **Frontiers** [Ano16b, CTP13, FKT12, TFPF18]. **FSI** [HAA⁺11]. **FT** [CFX⁺20]. **FT-2000** [CFX⁺20]. **Full** [AK90a, GZJ18, MVD⁺14]. **Fully** [LF15, SHS21]. **Functional** [ADC⁺17, ACC⁺01, AJF16, BARSW95, BFS05, GMP89, GS06, Hud86, KH18, Mat17, PC13, Gol88, Wai87]. **Functions** [ACC⁺01, CFF⁺06, DMC⁺18, SNS21]. **Fusion** [EM14, Ken01, LZ17]. **Fuzzy** [GE90, KK20].

Galerkin [CF19]. **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, BEJD21, CL96, Dar05, JW16, MPR⁺05, QRW00, SR90, SSB⁺17, TFEK16, qWlJzKhC17, WK20]. **Generator** [CPL⁺10, EVK22]. **Generic** [BJM20a, GJK⁺05, GW19, MAT23, MCT⁺18, SM16, ZJL22]. **Genetic** [AMAH01, BM09, GKC22, 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, Boh23, BC10, CDDM18, CTB14, DK16, DMMP18, DMC⁺18, FRT⁺18, FJZ⁺15, GLLH17, GGV17, GG13, Hen21, KLK16, LVJ22, LRG14, LTF⁺12, LLW⁺17, LEG11, LAD15, LFHAM19, Moh19, MGL⁺17, NCR⁺19, OOR13, OATGEL15a, PTdSF⁺12, PHS19, PES⁺18, RSA⁺18, SII1, SF20, SLZB13, SJC18, SSB⁺17, SBC17, SFAG14, SK14, VVCA23, WdSAM⁺17, WR18, WE18, WK20, ZYOY13, ZHF⁺19, ZD19, ZTY⁺19]. **GPU-Accelerated** [DMC⁺18, SBC17]. **GPU-Based** [DK16, VVCA23, BC10, OATGEL15a].
GPU-Friendly [OOR13]. **GPUs** [GL18, HLP11, JLDS16, KSBN22, KGK20, KPS14, LS20, MAWD⁺16, MS11, MNN22, QGT⁺19].
Grabbing [Sun11]. **gradient** [SDJS98].
GrADS [BCC⁺05]. **Grain** [BG96, DV97, NRB94, NIO⁺03, PSM97].
Grained [CTK⁺11, CSF⁺20, GL92, SDH22, SSM21, SZH18, WTQ21, WW17, AD89].
Grammar [MO91]. **Grammars** [PW92].
Granularity [PSM97, ZLC⁺19]. **Graph** [BCL90, CBR17, CSF⁺20, CZTM03, GAR⁺16, GWHY19, GP94, HKJ⁺18, HSXH19, JK12, KSF⁺18, KTF23, PS23, SHLJ17, SMDJ19, SSP⁺96, Spr92, TH17, WZB⁺92, ZHF⁺19, GZ87, HKJ⁺18].
Graph-Based [KTF23]. **Graphical** [RG15].
Graphics [CPP⁺12, JGM15, SAB11].
Graphs [DV97, Hue97, KPRS96, LPF16, MXP14, OP10, OB13, PVF21, Zha89].
Graphs* [EKU22]. **Greedy** [AT91, Ken01, Sun11]. **Grid** [BFRPVR⁺15, MMD21, 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]. **GrPPI** [BJM20a]. **Guaranteed** [MEP07]. **Guarded** [GYL92]. **Guards** [GYL92]. **Guest** [AG15, Bro19, CTP13, CAT18, DPT17, EA09, FKT12, GGE19, GK18, Gre16, HK14, HF06, HSXH19, JACK20, LFL⁺17, LT17, MCE13, MGJS15, MGD⁺14, MA10, OG11, PP10, PVG17, RJO22, SMM11, SGK12, SS10, TG21, TFPF18, ZZS⁺19, Ano00a, Ayg03, AM07b, Ban04a, Ban04b, Car09, EmH97, FmH96, Fur95, GSA08, Gau96, GS05, Giv07, Giv08, HN94, JS06a, JS06b, Joe99, Joe03, Kes20, McK07, Mis09, NL23, Ora03, Pan08, Seh98, Vei01, Vei02]. **Guided** [MTT15]. **GVirtuS** [MGL⁺17].
H [Roy10]. **H-NMRU** [Roy10]. **Hadoop** [LSM⁺18, Mat17, NRGB17, RSA⁺18]. **Halo** [PHS19]. **Handle** [ELGE16]. **Handling** [DFC⁺07, FMSG17, HHW20, IR19, RBES00].
Hard [FJO⁺16]. **Hardware** [AVM⁺16, CHSC18, CPMC96, GP17, GV99, HZZ⁺19, HL21, KT01, KTBP18, Lys08, MSA⁺07, NdMM09, NdMMW16, OXL⁺17, OPLS17, PMM⁺18, RMH21, SWZ⁺15, SD11, SH15, STM15, TRD21, WS14, YDV19, ZLAV04, vNR11]. **Hardware-Agnostic** [AVM⁺16]. **Hardware-Based** [CPMC96, KT01]. **Hardware-Efficiency** [KTBP18]. **Hardware-Friendly** [HZZ⁺19]. **Hardware-Managed** [RMH21]. **Hardware-Supported** [SD11].
Hardware/Software [GV99, Lys08, OPLS17, SWZ⁺15, STM15].
HARE [JLDF19]. **Harsh** [GWPV21]. **Hash** [AR16, CHSC18, LFD17]. **Health** [AAN⁺20, GKC22]. **Healthcare** [DC20].
Heap [GH96, LLM16, AH86]. **Heap-Based** [LLM16]. **Heat** [LYG⁺18]. **Height** [ABASS12]. **Helper** [ZGH⁺15]. **Helping**

[Sun11]. **Henderson** [Swa88].

Heterogeneous

[AER⁺17, ANS20, Ano21a, AMKE18, ABB⁺10, BEA⁺19, Bro15, Bro19, BJM20b, ELK18, EAK21, EVK22, EGK23, GAG22, GGV18, GMB⁺11, GHR20, HdMMK22, HK23, HtBK⁺10, HHC⁺15, KTRZ⁺17, LLGC17, LSYG15, LS05, MMN15, Mar17, MFGEL19, NCR⁺19, OATGEL15b, OP12, OPLS17, PGLC⁺18, PHS19, PVF21, SSM21, SEP08, WLL17, XWH21]. **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, Ano19, ASG20, BE14, BCS⁺09, BCL17, BS07, Bro15, Bro19, Car09, DPT17, DFH17, DB08, DST21, EAK21, GWYQ18, GGE19, GBLG10, Gha19, GK18, GJK⁺05, Gre16, GHDF19, GE90, HG18, HK14, Jan15, KP05, KTRZ⁺17, KJPN10, LPB13, LQWP10, LWP04, MB12a, dMMHdLN21, MSPR18, NFC⁺09, NSU22, NdMM09, NL23, OXL⁺17, PGLC⁺18, SH96, SAL16, SCB⁺14, SS23, TFEK16, TTF22, TGT18, WCC16, WMN⁺17, WGW04, WK20, YZ13, YBRM14, ZLA21, Ano21a, Kes20].

High-Level [Ano16a, Ano19, Bro15, Bro19, DPT17, EAK21, GGE19, GK18, Gre16, GHDF19, HG18, Jan15, KP05, LQWP10, dMMHdLN21, SH96, SS23, WMN⁺17, HK14, TTF22, Kes20, Ano21a].

High-Performance [APR⁺18, Ano19, GWYQ18, Gha19, GJK⁺05, LPB13, MB12a, NdMM09, PGLC⁺18, WCC16, WGW04, WK20, YBRM14, ZLA21, DST21, OXL⁺17].

High-Productivity [BCS⁺09].

High-Scalability [BS07]. **higher** [NPD89].

higher-order [NPD89]. **Highly**

[TAY⁺12, ZXZ⁺15]. **Highly-Scalable**

[TAY⁺12]. **Historical** [TRD21]. **History** [BEA⁺19, CEP97, JLDF19, LJ08, LLSS03,

uRHH14]. **History-Aware** [JLDF19].

History-Based [BEA⁺19]. **Hitachi**

[TSB03]. **HitFlow** [FBGEL19]. **HLFET**

[PIP18]. **HLPGPU** [Bro15]. **HLPP**

[Ano16a]. **Home** [WLL⁺08]. **Homogeneous**

[MMN15]. **Homomorphisms**

[LBT17, RG18]. **horizontally** [CB86].

Hotspotting [Ano86c]. **HP** [IPR⁺05].

HPC [CAK17, CAT18, EAK21, HLK⁺09,

JQJ⁺16, JQWG15, LLM⁺12, LFL⁺17,

MAT23, NAS23, YS22]. **HSDC** [DFZ21].

HW [KBG⁺08]. **Hybrid**

[AOAM21, ADC⁺17, BC15, CTB14, Cza17,

DMMP18, EK14, FBGEL19, HSCI⁺16,

HBC23, JQJ⁺16, LFL⁺17, LRG14, MMD21,

RY20, RY22, RRH03, SR15, VSH⁺11,

YWW⁺19, YLB19, ZLJ⁺17].

Hybridization [DS20]. **Hydrodynamics**

[Zey05]. **Hypercube**

[CSG89, DPS90, GE89, NK88, Wai87].

Hypercubes [BB90]. **HyperFatTree**

[SWF⁺17]. **Hypergraph** [CND95].

Hypergraph-Based [CND95].

Hypersequential [UKT00].

Hyperspectral [CS20, LFHAM19].

Hyperthreading [HRH08].

I/O [AKT⁺14, CSF⁺20, MG15]. **ICCG**

[IS03]. **IDE** [HLK⁺09]. **Identification**

[BR14a, FR95, OP12, PYC16, WQJY17].

Identifying [DM20]. **Identity** [JGP⁺18].

IEEE [RJO22]. **If** [AmWHM99].

If-Conversion [AmWHM99].

iGridEdgeDrone [MMD21]. **II**

[Fea92b, KR87]. **ILP** [SKA96]. **Image**

[AM95, KBD03, RSK09, TRD21, YWY⁺18].

Imagery [CS20]. **Images**

[DPS90, KSA⁺18, LFHAM19, SSB21].

Immune [MB12b]. **Immune-based**

[MB12b]. **Impact** [BE14, KLG08].

Imperative [GM20, 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, ZQT20, ACD⁺¹⁴, GTK⁺⁸⁸, TSS86, RK87].

Implementations [AJF16, BS07, BEG⁺¹⁰, DE00, HPVRPF15, MWES19, Moh19, NdMCdMMW16, TSS99].

Implemented [MLdIP02]. **Implementing** [BAP01, Mil88, SPS14, SFAG14].

Implications [NP01]. **Implicitly** [AHKR01, LEA15]. **Important** [Ano86d, Ano92]. **Improve** [CHPC96].

Improved [EKU22, KSF⁺¹⁸, LYL14]. **Improved/Optimized** [EKU22].

Improving [CHYP96, CEP97, GSY⁺¹³, JLJ⁺¹⁸, JHLM01, LWL⁺¹⁹, MCWK01, PJS⁺⁰⁵, PMV17, RTD20, RSJ⁺¹⁴, SBN03, SA10, XH98]. **In-Depth** [ZJL22, SJW22].

In-Loop [WdSAM⁺¹⁷]. **In-Memory** [WTZ⁺¹⁹, WTQ21]. **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].

Inference [PVF21, SHS21]. **Inferential** [RKG04]. **InfiniBand** [LWP04, QA11].

Infinite [FLMR02, KPRS96]. **Information** [AFM⁺⁰⁶, BE14, NRR99]. **Infrared** [YWY⁺¹⁸]. **Infrastructure** [BML⁺¹³, CEH13, EM13, SLZB13, UWF⁺²⁰].

Infrequent [ASG20]. **Inheritance** [Tho87]. **Initial** [AW98, HmWHR97, TKM89].

Initializing [Hem89]. **Inlining** [GYP22, LkCH94]. **Input** [SLZB13].

Input-Sensitivity [SLZB13]. **Inspired** [KPS14, Mis09, OGP⁺¹⁶, CSCL20].

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, MFU21].

Integrating [DTLW16]. **Integration** [GMP89, LLM⁺¹², PSM97, dMP⁺⁰³].

Integrity [KHT21]. **Intel** [BKT08, BP17, Cza17, RSJ⁺¹⁹].

Intelligence [GKC22, dMMKdLN22]. **Intelligent** [MMD21]. **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 [Ano21b, DB08, MCE13, PVG17, RJO22, SS10]. **Internet** [HZZS20, JACK20, KIT⁺²⁰, KAI20, MMD21, PYC16, PCJ18, SAI⁺²⁰].

Interpolation [DMC⁺¹⁸, DMC⁺²⁰]. **Interpreter** [KGK20]. **Interprocedural** [CAZ02, CI96, GH96, HPY01, LkCH94].

Interprocess [CMW90, MO91, MO90]. **Interprocessor** [CH95]. **Interruptible** [TB23]. **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 [NSU22, NRGB17, YWW⁺19].

invalidate [ZXY⁺15]. **Invalidate** [BAP01].

Invasive [SR15]. **invented** [Par86b].

Inverse [fSxWC18]. **Inversion** [ABSSS19, KMG01, MMN15, SMM94].

Investigation [SdLC21]. **IOT** [GAK20, AAN⁺20, AATD20, DMC⁺20, FJA⁺18, UWF⁺20]. **IP** [AML⁺10, CSD21, LSHK09]. **IP-PBX** [AML⁺10]. **IP-PBX/VoIP** [AML⁺10].

Irregular [ACC⁺01, GF14, LLW⁺17, MCWK01, NST89, TB23]. **ISA** [MP95, WCC16]. **Isomorphic** [Ano87d].

Issue [Ano16b, Ano18b, Ano18a, Ano19, Ano21a, AM07b, Bro19, Car09, DB08, GSA08, Gha19, Giv07, Giv08, HSXH19, JACK20, MCE13, MGJS15, MB12a, Mis09, Pan08, PP10, PVG17, RJO22, SS10, SZ17, TFPF18, WNMW16, ZZS⁺19, JS06b, TG21, Ano21b, BmH98]. **Issues** [Bel94, NS97a].

Itemset [ASG20]. **Iteration** [HF14a, HF14b]. **Iterative** [MS11, PDN21, Rau96, ZHF⁺19]. **Iterator** [GS11].

J [Swa88]. **Jacobi** [HOZ06]. **Jacobians** [BUMS02]. **Java** [AHKR01, FSS06, JQJ⁺16, JMSG02, KF99, SS23, WGW04, WP00].

Job [LLL⁺15, NSS12, WW17]. **Join** [RK92, RBR22]. **Joint** [HOZ06]. **journal** [Ano86b]. **JPEG** [SEP08]. **Just** [SA19].

kD [STF⁺12]. **kD-tree** [STF⁺12]. **Kernel** [LYG⁺18, NLBB23, VVCA23, ZYOY13].

Kernelized [WCC16]. **Kernels** [KDV22, SSB⁺17, WSO⁺07]. **Key** [LKS⁺20, PZL⁺19]. **Keyword** [SNS21].

knapsack [LS92]. **KNMF** [LKS⁺20].

Kutta [BP17].

L [MSA⁺07]. **Lab** [ZC09]. **Lab-on-Chip** [ZC09]. **Labeling** [SH87, Swa88]. **LACross** [ZJG17]. **Lagrangian** [RSV⁺05]. **LALP** [MCFM12]. **LALR** [BNWL90]. **Landing** [MSJ20]. **Landslide** [WSC20]. **Language** [ARB⁺05, BARSW95, BCL17, CFB94, FCZ16, Fos89, GS06, Hud86, KS97, MCFM12, MPR⁺05, SM09, TFEK16, WL16, WK20].

Languages [Ano19, CK02, FMSG17, Lan90, PS92, NPD89]. **Laplace** [CTB14]. **Large** [Cza17, GL18, HC17, HR11, HKJ⁺18, KKZN12, LTSD15, LSA⁺07, LWGZ18, SGJ⁺03, SWF⁺17, WW17, XZT20, ZWJK05]. **Large-Scale** [HC17, KKZN12, LWGZ18, SWF⁺17, WW17]. **Latency** [AK96, Bos12, HZL16, JG97, LSHK09, MEP07]. **Lattice** [HLP11, SMN09, SKG09].

Launcher [NLBB23]. **law** [Ano87a, PM07]. **layer** [OATGEL15b]. **Layered** [Tic90].

Layout [SASH12]. **Lazy** [CRM17]. **LCS** [GSP⁺17]. **LDPC** [SF20]. **LEACH** [KAI20].

Leaks [JGP⁺18]. **Learning** [CR19, CLL21, CDDM18, DS16, FFS18, FKM⁺11, HBC23, MAWD⁺16, ÖA21, PVF21, ZJG17, ZD19, ZJL22].

Learning-Based [ZJG17]. **Leases** [CM06].

least [Ano86a]. **Left** [MP04]. **Legacy** [JBB21]. **Legal** [KP95]. **Length** [EM14, VHK⁺18]. **Lessons** [Hal86]. **Level** [AG06, Ano16a, Ano19, BCL17, Bro15, Bro19, DPT17, EAK21, GGE19, GBLG10, GK18, Gre16, GHDF19, HG18, HTDL18, Jan15, JF21, KP05, LLW⁺17, LQWP10, dMMHdLN21, MHCF98, MKAP05, NL23, SSP⁺00, SSEA14, SH96, SS23, SÜCV17, SMM94, SASH12, Tou05, WMN⁺17, XOdFV⁺09, YWW⁺19, ZLJ⁺17, BC10, HK14, NN95, TTF22, WS08, Kes20, Ano21a].

Levels [Gsc07]. **Leveraging** [LTL15]. **LH** [CS16]. **Libraries** [GJK⁺05]. **Library** [BBR11a, LCF21, LAD15, LHP⁺22,

MFGEL19, SÜCV17, YKLD17, YBRM14]. **Life** [YYX20, Ano87c]. **Lifetime** [SZH18]. **Light** [CM06]. **Light-Weight** [CM06]. **Lightweight** [GKC22, PZL⁺19]. **Like** [NLBB23]. **Limit** [KEKK16, LS98]. **Limited** [JMSG02, uHKAMFM16a, uHKAMFM16b, GT86]. **Limits** [SS99]. **Line** [SR90, TFMP97, ZC09]. **Linear** [CCG⁺14, CBR17, CJS21, 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]. **Literature** [IR19, dMMKdLN22]. **Live** [DST21, WHC⁺17, ZXY⁺15]. **LLVM** [RMG⁺13]. **Load** [ASW⁺15, BG96, EWS11, JK03, MMD21, RLH14, RSJ⁺14, YHG16]. **Load-Balance-Aware** [YHG16]. **Load-Store** [BG96]. **Loads** [AZK⁺18]. **Loads/Stores** [AZK⁺18]. **Local** [LLSS03, LYG⁺18]. **Locality** [AMP01, AAB⁺16, BE14, CAK17, JG97, KP01, LVJ22, LS98, LM00, PMHC03, Won02, XH98]. **Locality-Aware** [AAB⁺16]. **Localization** [GWYQ18, OB13]. **Locally** [DCX⁺17, SNB04, TV15]. **Location** [YFC21]. **Location-based** [YFC21]. **Lock** [AR16, ZLD15]. **Lock-Free** [AR16]. **Locking** [YLB19]. **Log** [Mar09]. **Logic** [AR16, AVPG00, KBD03, Lin91a, SAB11, BH87, Con88, Kas86, SRV88, Tin88]. **Logic-Based** [KBD03]. **Logical** [GZJ18, LWF⁺19]. **Look** [MP04, NLBB23]. **Loop** [AMP01, CL96, DH00, GVB⁺06, GMB95, GL95, HC17, IKN00, KDV22, 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** [AAN⁺20, HZL16]. **Lossless** [HNC⁺16]. **Lossy** [SAI⁺20]. **Low** [Bos12, FVvL⁺16, HZL16, NBN⁺15, PO07, RSP20, Roy10, SAI⁺20, SWF⁺17, YZZ⁺19]. **Low-Latency** [Bos12]. **Low-Power** [NBN⁺15, PO07]. **Low-Radix** [SWF⁺17]. **LSA** [UWF⁺20]. **LSH** [RBR22]. **LSM** [PYX17]. **LSM-Tree** [PYX17]. **LTE** [LF15]. **M** [FKD⁺97, KHT21]. **M-Machine** [FKD⁺97]. **Machine** [CHPC96, CZ12, CDDM18, DS16, FKD⁺97, FKM⁺11, GmWHR98, HHW10, HBC23, JQWG15, LVM16, MPR⁺05, ÖA21, SHZ⁺14, XLWX19, ZD19, Ali86, GS90, Ken94, PW92]. **machine-independent** [Ken94]. **Machines** [ABASS12, BJM20b, Den94, EGJS15, KTBP18, MGL⁺17, NG92, ZWJK05, SDJS98]. **Macro** [GG14]. **MAI** [GN20]. **Main** [SZH18]. **Mainstream** [DMK21]. **Maintained** [SNB04]. **maintaining** [DPL86]. **Malicious** [CLJH16]. **Managed** [RMH21]. **Management** [ANS20, AGPGF14, CSF⁺20, GJR09, HRH08, Joh94, PHS19, SL14, SMH21, 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, MFU21, NdMCdMMW16, PMM⁺18, PHS19, QZP15, SASH12, SA10, XWH21, vNR11]. **Many-Core** [CFC⁺19, uHKAMFM16b, LHP⁺17, LZ17, MFU21, PMM⁺18, SASH12, SA10, vNR11, NdMCdMMW16, XWH21]. **Many-Cores** [CTK⁺11, HG18]. **Many-Field** [QZP15]. **Many-Task** [PHS19]. **Manycore** [HMF⁺13, RSJ⁺19, SMH21]. **Map** [FBV21, LFD17]. **Map-Reduce** [FBV21]. **Mapping** [CKC22, HtBK⁺10, MEP07, RGB⁺08, SDJS98, LRG⁺91, NK88, PW87]. **MapReduce** [IR19, LSYG15, LHL⁺16,

LXL17, MM16, Mat17, RBR22, SHC15, VCP⁺13, WW17, ZC17]. **Massey** [Moh19]. **Massive** [EKU22]. **Massively** [CYS16, HP13, KGK20, LTF⁺12]. **Matching** [OOR13, Sca11]. **MATLAB** [MGW99, SM09]. **Matrices** [LPB13, LTSD15, SDL17, LP94]. **Matrix** [BBR11a, CFC⁺19, CFX⁺20, DZW10, JLV21, uHKAMFM16a, uHKAMFM16b, KJPN10, LHLL19, LKS⁺20, MMN15, MGW99, SMM94]. **Maximal** [BCC00]. **Maximizing** [BG17]. **Maximum** [Gao86, KSBN22]. **MC** [GN20]. **MC-DS-CDMA** [GN20]. **MCP** [PIP18]. **Mean** [AK96]. **Means** [LKS⁺20]. **Measure** [KKSP18]. **Measurement** [WSC20]. **Measurements** [JJIL15]. **Measures** [Cza17]. **Mechanism** [ANS09, CHYP96, EM14, FFS18, GMB06, Sek09, SHC15, WTZ⁺19, WTQ21]. **Mechanisms** [GBPK07, Gen16, NAS23, MO90]. **Media** [LJ09]. **Mediate** [BBB⁺17]. **Medical** [HZS20]. **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, HML⁺20, ID08, JG97, Joh94, JMSG02, KTF23, KEKK16, LVJ22, LS20, 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, TTMD23, TMHT96, TA99, VSH⁺11, WS14, WQJY17, WHC⁺17, qWlJzKhC17, WTZ⁺19, WTQ21, YZZ20, YBRM14, ZK07, ZLD15, ZLJ⁺17, ZSH⁺12, Con88, EO88, FcF87, GHLN86, GS90, GT86, Hem89]. **Memory-Divergent** [LVJ22]. **Memory-Level** [SASH12]. **Memory-Optimized** [LS20]. **Merge** [JK03, JLV21]. **Mesh** [DMC91, HAA⁺11, SSMH13, SKAT91]. **Mesh-Connected** [DMC91]. **MeshCleaner** [MCT⁺18]. **Meshes** [MCT⁺18, qWlJzKhC17]. **Message** [BB90, CB01, EWHS11, GS05, GCD⁺03, JGZ⁺20, MFU21, 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, PCJ20, RAP95, SMN09, ZYOY13, Wol86]. **Methodology** [KDV22, MOL05, RSJ⁺14, UWF⁺20]. **Methods** [BCC⁺05, CCL12, CAK17, CJS21, MT96, RLEJ19]. **Metropolis** [CHB06]. **Metrowerks** [PB04]. **MIC** [FFS18]. **Micro** [JS06b]. **Micro-grids** [JS06b]. **Microarchitectural** [API03, DKB⁺09]. **Microarchitecture** [PJS⁺05]. **Microbenchmarks** [IPR⁺05]. **Microcode** [BABW14]. **Microfluidic** [ZC09]. **Microgrids** [SS10]. **Microphone** [RLK20]. **Microprocessor** [LJE05]. **microprogramming** [CB86]. **Microthread** [BHJ06]. **Migration** [CML04, DST21, 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** [ASG20, CPP⁺12, FJA⁺18, HP13, OB13, PCJ18, WSS18, YWW⁺19]. **Mining-Based** [OB13]. **Mirroring** [SDL17]. **Mispredicted** [JSHP97]. **Mispredicted-Path** [JSHP97].

Misprediction [NBD98]. **Missing** [DMC⁺20, STB⁺18]. **Mitigating** [JDF20]. **Mixed** [BEG⁺10, SDJS98]. **Mixed-Mode** [BEG⁺10, SDJS98]. **Mixing** [MRLR16]. **ML** [AGT17]. **MLFQ** [CLL21]. **Mobile** [ES06, JM20, YFC21]. **Mobility** [MMD21]. **Mode** [BEG⁺10, OP12, YYYX20, SDJS98]. **Model** [AG06, AATD20, AK96, BEJD21, BAF94, BdS07, CND95, DMMS91, DTLW16, DFA⁺09, FCZ16, FPCD14, FBGEL19, HBC23, HLP11, HKJ⁺18, JM20, JF21, LLM16, LHL⁺16, LCL19, Liv91, NAS23, OGP⁺16, OATGEL15b, RSV⁺05, RK13, fSxWC18, TAY⁺12, TESK06, WSC20, YS22, ZJL22, JK86]. **Model-Based** [BEJD21, RK13]. **Modeling** [AA15, Ano18a, AMP⁺05, BS07, HYBA18, KMjC02, LEA15, Mar17, MCE13, MGJS15, MOL05, PCA⁺13, PVG17, Pra86, PS23, RJO22, SDH22, SSM21, TSLG05, WTL⁺23]. **Modelling** [BKK20, BKK23, VNU19]. **Models** [BFS05, CAT18, Den94, FLMR17b, HHC⁺15, ID08, KP05, Mat17, NAP02, RNJ⁺12, SSMH13, SS01, Ski91, SDL17, VMS15, VCP⁺13, AD86, DM87, FLMR17a]. **Modern** [HYBA18, KPS14, LG10, LQWP10, ME15]. **Modifications** [Hue97]. **Modular** [NdMM09]. **Module** [AAN⁺20]. **Modules** [DJR16, SQH92]. **Modulo** [AG98, EDA96, GRAG00, LJ08, Rau96]. **Modulo-Scheduled** [GRAG00]. **Molecular** [ACC⁺02, BS07]. **Molecule** [KLK16]. **Moment** [SSB21]. **Monitor** [LTL15]. **Monitored** [LJE05]. **Monitoring** [GAK20, NBN⁺15, ZXY⁺15]. **Monoparametric** [IAR21]. **Monte** [BJM20b, PES⁺18]. **Monte-Carlo** [BJM20b, PES⁺18]. **moreTM** [Ano87d]. **MORPHEUS** [GMB⁺11]. **Mosaic** [MPAG18]. **Motion** [MVD⁺14, TSS99]. **Motivation** [HmWHR97]. **Movement** [CFB94]. **Moving** [HAA⁺11, ZQT20]. **MPI** [AJF16, BS07, BEG⁺10, ES11, FPY08b, GJR09, GSY⁺13, HMK09, LSM⁺18, LWP04, MOL05, MANR09, NAS23, NSS12, RA09, SS01]. **MPI/PVM** [ES11]. **MPJ** [JQJ⁺16]. **MPSoC** [ID08, OPLS17, RGB⁺08, SWZ⁺15]. **MPSoCs** [GHR20]. **Much** [MT96]. **Multi** [AOAM21, AH08, AKHD13, ABvK⁺13, AML⁺10, ABB⁺10, BEJD21, BM09, CSF⁺20, CZ12, CB19, CTB14, DS97, DS16, DTLW16, DJR16, FLD15, GM20, Ged13, GMB06, GGV17, GS06, HML⁺20, HtBK⁺10, JCH⁺08, JDF20, KBG⁺08, LYG⁺18, MXP14, MV17, MG15, MHCF98, MFGEL19, NdMCdMMW16, OATGEL15b, PCJ20, QZP15, RPF18, RC16, RG18, RTD20, RD08, RK13, SSP⁺00, SSEA14, SAI⁺20, fSxWC18, SSB⁺17, SFAG14, STB⁺18, Sun11, VSDK09, WQJY17, WLL17, WSC20, WK20, XOdFV⁺09, YWW⁺19, Zha10, ZGH⁺15, Ali86, AGT17, QGT⁺19]. **Multi-agent** [STB⁺18]. **Multi-app** [DJR16]. **Multi-attitude** [WSC20]. **Multi-BSP** [GM20, AGT17]. **Multi-Component** [fSxWC18]. **Multi-Core** [ABvK⁺13, AML⁺10, ABB⁺10, GGV17, RPF18, SSEA14, Zha10, BEJD21, CZ12, Ged13, HML⁺20, MXP14, NdMCdMMW16, QZP15, RC16]. **Multi-cores** [RTD20]. **Multi-device** [MFGEL19]. **Multi-dimensional** [RG18, WLL17]. **Multi-domain** [RK13]. **Multi-external-storage** [CSF⁺20]. **Multi-Fault** [AKHD13]. **Multi-GPU** [CTB14, SFAG14, WK20]. **Multi-GPUs** [QGT⁺19]. **Multi-layer** [OATGEL15b]. **Multi-Level** [MHCF98, SSP⁺00, XOdFV⁺09, YWW⁺19]. **Multi-ML** [AGT17]. **Multi-Orientation** [LYG⁺18]. **Multi-path** [JDF20]. **Multi-Prefetcher** [GMB06]. **Multi-process** [PCJ20]. **Multi-process/Multi-thread** [PCJ20]. **Multi-Processor** [HtBK⁺10, BM09, KBG⁺08, ZGH⁺15].

Multi-processors [AH08, DS97].
Multi-queue [CSF⁺20]. **multi-sequential** [Ali86]. **Multi-sink** [SAI⁺20].
Multi-socket [RC16]. **Multi-Stencil** [CB19]. **Multi-tenanted** [WQJY17].
Multi-thread [PCJ20]. **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, SDH22, 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, CKC22, Gsc07, LEA15, PIP18, SQH92, TF94].
Multiple-Register-File [CND95].
Multiplication [Bos12, uHKAMFM16a, uHKAMFM16b, KJPN10, LHLL19].
Multiplications [CFC⁺19, CFX⁺20].
Multiply [BBR11a]. **Multiprocessing** [HML⁺20, Bro86]. **Multiprocessor** [AK96, DeB87, Gol88, Gsc07, MB12b, Pan08, PPEP08, SEP08, SR04, BH87, GHLLN86, GZ87, GTK⁺88, Hua89, PD89].
Multiprocessor-based [Pan08].
Multiprocessors [AO19, 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]. **My** [MFU21].

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, SdLC21]. **Near-Data** [SdLC21].
Near-Optimal [BB90]. **Nearest** [LTF⁺12, VVCA23]. **Nebelung** [MFG⁺08].
Need [KT01, Kuc94]. **Negative** [DKB⁺09, WS15, LKS⁺20]. **Neighbor** [LTF⁺12, PK20, VVCA23]. **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** [AOAM21, Ano18b, CPT14, DM20, DFZ21, FCZ16, FPCD14, GCD⁺03, HZZ⁺19, HLS15, HS16, HL21, JACK20, JDF20, KKZN12, LSHK09, LYL14, LSYG15, LXL17, Liv91, ML15, MANR09, MSPR18, NSU22, NRGB17, PG07, SAI⁺20, SZ17, SWF⁺17, SBN03, TG21, YMW⁺17, ZZS⁺19, AD86].
Network-Aware [FPCD14].
Network-Failure-Tolerant [GCD⁺03].
Network-on-Chip [JDF20]. **Networking** [CSCL20]. **Networks** [AAN⁺20, AKA⁺20, AATD20, AK17, BS15, CLJH16, GWHY19, GKC22, IBA11, JLDF19, KAI20, Li03, LCL19, LS05, LWGZ18, MVB⁺06, MMD21, PMV17, RY20, RY22, SAI⁺20, WZG⁺17, YYYYX20, YMW⁺17, YZZ⁺19, AD89].
Networks-on-Chip [JLDF19].
NetWorkSpace [BCS⁺09]. **Neural** [AMAH01, AOAM21, FCZ16, GKC22,

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, HZZS20, JF21, LJ09, PK20].
Node-Level [JF21]. **Node-to-Node** [HZZS20]. **Nodes** [BEA⁺19, NBN⁺15, TB23]. **Non** [BG17, CSTGL03, EKU22, LKS⁺20, Spr92, Con88, LP94]. **Non-Blocking** [EKU22, BG17]. **Non-negative** [LKS⁺20].
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, Ano19, Ano20, Ano21a, Ano21b, BKK23, Kes20, NL23, RY22].
Novel [AATD20, CSCL20, DMMS91, LKS⁺20, OXL⁺17, QFRA19, WWG⁺19].
NUMA [BFG⁺10]. **Number** [ALTT17, EVK22, HR11]. **Numerical** [EFED05, PES⁺18, YKLD17, Zey05]. **NVM** [GZJ18].
O [AKT⁺14, CSF⁺20, MG15]. **O2000** [CML04]. **Obfuscator** [FDY⁺19]. **Object** [BBC07, DJR16, FMSG17, GS11, GS13, JM20]. **Object-Oriented** [GS11, GS13].
Objects [GK94]. **Obtain** [NRR99].
Obtaining [XZT20]. **OCaml** [SCS23].
occam [Cam89]. **ODE** [MLdIP02]. **Off** [ZK07]. **Off-Chip** [ZK07]. **Offloading** [JM20]. **OFScheduler** [LSYG15]. **OLPCA** [DMMP18]. **oM** [CLL21]. **oM-DRL** [CLL21]. **OMP** [SGJ⁺03]. **OMP2001** [TSB03]. **On-Chip** [GG13, KKZN12, MVB⁺06, AH08].
On-Line [ZC09]. **On-Site** [GWPV21].
On-the-Fly [JDF20, KSJ14]. **One** [Fea92a, SKG09, WW17]. **One-dimensional** [Fea92a]. **Online** [CLJH16, CYS16, HZL16, RC16, SSMH13].
onto [SDJS98]. **Ontology** [AFM⁺06].
Open [AML⁺10, SJW22, Cie91].
Open-Source [SJW22]. **OpenCL** [JSS⁺15, RG18, SSB⁺17]. **OpenHMPP** [AAB⁺16]. **OpenMP** [AM07b, ABB⁺10, BdS07, BGdS09, BFG⁺10, BS07, BEG⁺10, CF19, DFC⁺07, DFA⁺09, FMSG17, FM09, GSA08, HMK09, HAA⁺11, JCH⁺08, KaM10, KSJ14, MG15, MFG⁺08, MBE03, MMS07, NIO⁺03, OOS⁺08, OP10, SSB21, WPC07, YKLD17, aMST07].
OpenMP/MPI [BEG⁺10, HMK09].
OpenUH [CEH13]. **Operating** [CYS16, JGZ⁺20, NP01]. **Operation** [FLD15, NB15]. **Operational** [Cam89].
operationally [DM87]. **Operations** [ABASS12, BG17, FPY08b, IBA11, ML15, SZH18]. **Operator** [LCF21]. **Operators** [DM17]. **Opportunistic** [YMW⁺17]. **OPS5** [GTK⁺88]. **Optical** [DMC91]. **Optimal** [AG98, BB90, CS20, 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, CSCL20, CPMC96, CS97, CRM17, DLX⁺17, GLLH17, GmWHR98, HBC23, HZZS20, HTmG⁺12, JGZ⁺20, KAI20, LDHL05, LM00, MO91, dMMHdLN21, NIO⁺03, NdMCdMMW16, ÖO07, PCP⁺13, RY20, RY22, RLH14, SRS06, SSEA14, Sca11, SA19, SHZ⁺14, YHGW16].
Optimization-Based [SHZ⁺14].
Optimizations [BKT08, BG96, ID08, KSEG14, LHLT19, LEL⁺99, MV17, MS11, SB90, SLZB13].

Optimize [ZLAV04]. **Optimized** [EKU22, LF15, LS20, 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, Boh23, BP17, CSD21, JDF20, MSJ01, NPD89]. **Order-Aware** [JDF20]. **Ordering** [IS03, DM87]. **orders** [Pra86]. **OREGAMI** [LRG⁺91]. **Organization** [AM04].
Organizations [GWPV21]. **Orientation** [LYG⁺18]. **Oriented** [ADC⁺17, FMSG17, GS11, GS13, KKSP18, KK20, LVM16, RGB⁺08, SRS06, SSM21, AKT⁺14, CZ12].
Origin [IPR⁺05]. **Orthogonal** [SSB21].
OS-Based [FC11]. **OSD** [AGPGF14].
Osmotic [FBV21]. **Other** [OP10, SS89].
Out-of-Core [SHLJ17, SMDJ19].
Out-of-Order [BS15, CSD21, MSJ01].
Output [CDRV98]. **Output-Dependencies** [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, JDF20, QZP15]. **Packing** [JLMW15]. **PAD** [AG15]. **Page** [CML04, ZLJ⁺17]. **Page-Level** [ZLJ⁺17].
PageRank [EKU22, 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, Ano21a, AVPG00, AJF16, BR14a, Bel94, BAF94, BARSW95, BGMR11, BS03, BNWL90, BR14b, BUMS02, BDD⁺18, BDH⁺14, Bro15, Bro19, BJM20b, CGN⁺09, CPP⁺12, CY14, CSD21, CB86, Cra88, CSTGL03, CDDM18, CAP88, Cza17, CPL⁺10, Dam07, DPT17, DDD⁺19, DMK21, DMMS91, DE00, DM17, DS97, DS16, Den94, DX14, DZW10, DGMP09, DSR17, ECSS88, EHKT07, EK14, EK17, ELK18, EVK22, EGK23, ES11, FFS18, FCRC16, GGE19, GBLG10, Ger10, GS11, GS13, GP17, GF14, GK18, GYL92, Gre16, GB20, GTK⁺88, GK22, HSCI⁺16, HK14, HMF⁺13, HP13, HPVRRPF15, HLS15, HS16, Hun91, HAA⁺11, IH04, Jan15, JW16, JLMW15, JK03, JLV21, Joh94, KS90, KK11, KS97, Kes20, KJHB14, KFC08]. **Parallel** [KGGK20, KBG⁺08, Kuc94, KR87, LMP98, LTF⁺12, LYL14, LHL⁺16, LT17, LLL⁺15, LY95, LSL94, LWLG11, LHLT19, LBT17, Low00, LCL17, LYG⁺18, Lub90, Lys08, MXP14, MMN15, MLdIP02, Mar09, MAJD16, MFC21, MM16, MG15, MCA98, dMMHdLN21, Mer86, Mil88, Moh19, MVD⁺14, MFGEL19, NB15, NRGB17, NdMM09, NdMCdMMW16, NdMMW16, NSS12, NST89, NL23, OOR13, OP10, OGP⁺16, ÖA21, ÖO07, OG11, PW92, PGLC⁺18, PLN⁺04, PTD⁺06, PVAE98, PMV17, PR99, PCJ18, QFRA19, RK92, RK87, Ric90, RTD20, RSV⁺05, RMG⁺13, RGB⁺08, SGK12, SH87, SI11, SS92, SMN09, SSMH13, SQH92, SSM21, Sek09, SF20, SM09, SAS18, SO89, SKAT91, Ski91, SR90, SSB21, Spr92, SS89, SZ17, SC88, SHZ⁺91, Swa88, TSS99, TG21, TRL09, VK88, VRGC19, WCC16, WL16, qWlJzKhC17, WR18, WS15, WZB⁺92]. **Parallel** [WE18, YWY⁺18, YH18, YS22, YBRM14, Zey05, Zha89, Zha10, ZZS⁺19, ZQT20, ZWJK05, uRHH14, ACD⁺14, BCL90, BCK98, Con88, DPL86, EG86, EO88, GN89, GZ87, GKMB87, Hua89, 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, BJM20a, DV97, EW96, GVB⁺06, GGV18, GHDF19, Gsc07, GL92, HPY01, JBB21, JF21, KP04, LFL⁺17, LS20, LHP⁺22, MT96, MMS07, RSK09, SSEA14, SSNS16, SH96, SASH12, Tou05, WTL⁺23, WS08, WW17, XOdFV⁺09, BS89, CG94, Sch92, VR88, AK90a]. **Parallelization** [AAB⁺16, BG17, BS07, CZ12, Col95, CAZ02, CF19, ELGE16, FLMR17b, FCRC16, FJO⁺16, GK94, GYP22, GMS00, HML⁺20, Hue97, IS03, JCD⁺14, LQWP10, LXL17, dMMKdLN22, MVD⁺14, NN95, PPQV16, RAP95, RLEJ19, SSP⁺00, SHK13, SJKA99, SKA96, SR15, SNS21, 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, CKC22, DM87, GM20, RSP20, Pra86, SZH18]. **Partial-Duplication** [CKC22]. **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, PDN21, PS23, SMN09, SWZ⁺15, SHC15, TG05, VVCA23, GZ87, KMV87, NK88, PD89]. **Partitioning-Aware** [PS23]. **Partitioning-Independent** [EW96]. **Partitions** [DM20]. **ParTriCluster** [AFO⁺08]. **Pass** [NS97b]. **Passenger** [RLK20]. **Passing** [CB01, EWHS11, GCD⁺03, JGZ⁺20, MFU21, GZ87, Hua89]. **Path** [AT91, CSC⁺00, JAW17, JSHP97, LPF16, LJ08, OATGEL15a, SK97, SHZ⁺91, JDF20]. **Path-based** [LJ08]. **Pathfinder** [JAW17]. **Pattern** [ACD⁺16, BBR11a, CEP97, CPL⁺10, DDD⁺19, EVK22, GHC⁺17, LYG⁺18, QA11, WSS18]. **Pattern-Based** [EVK22, BBR11a]. **Patterns** [ALG⁺95, BDD⁺18, DMK21, DM17, DS16, FPY08b, JBB21, LLL⁺15, RTD20, SHK13, YLB19, ACD⁺14]. **Patterns-Based** [BDD⁺18]. **PBX/VoIP** [AML⁺10]. **PCie** [OXL⁺17]. **PCM** [SZH18, ZLJ⁺17]. **PCM-Based** [SZH18]. **PEMPIs** [MOL05]. **Per-Core** [SA10]. **percolating** [ACD⁺14]. **perfect** [GE89]. **Performance** [AM95, APR⁺18, ASW⁺15, AK92, AD86, Ano19, AKT⁺14, BE14, BS07, BEG⁺10, Car09, CHYP96, CHPC96, Cza17, DFH17, DB08, DCX⁺17, DMC⁺18, EGK23, 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, PS23, RTD20, RSJ⁺14, SGJ⁺03, SSEA14, Sca11, SAI⁺20, SAL16, SCB⁺14, SA10, TSB03, TFEK16, TKN⁺08, Tin88, VCP⁺13, WCC16, WGW04, WK20, YZ13, YBRM14, ZLA21, ZWJK05, ZJG17, dMP⁺03, BCK98, DST21, OXL⁺17]. **Performance-Efficient** [LWGZ18]. **Performance-Portable** [JSS⁺15]. **Performances** [DFZ21]. **Persistent** [GW19]. **Personal** [HOZ06]. **Personalized** [LCT⁺20]. **Perspective** [KBG⁺08, WEJS94]. **Perspectives** [Ano16c]. **Pessimistic** [VSH⁺11]. **Petaflops** [ACC⁺02]. **Petascale** [TAY⁺12]. **PETRA**

[ME15]. **Petri** [KMjC02, LWDL17, RA94]. **PGAS** [JF21]. **Phase** [JHLM01, LGY16]. **Phi** [BP17, Cza17, ELGE17, LLGC17, PES⁺18]. **philosophers** [RB86]. **Phrase** [LKS⁺20]. **Physical** [WLW⁺17]. **Phytium** [CFX⁺20]. **PIMP** [MFU21]. **Pin** [JK12]. **Pin-Based** [JK12]. **Pinning** [CR19]. **Pipeline** [DF98, GG13, GRAG00, JBB21, LJ08, MFU21, SR04, Gai89]. **Pipeline-Integrated** [MFU21]. **Pipelined** [AD89, Low00, MJ02, NdMMW16, SWG⁺18, LAV98]. **Pipelining** [BTB⁺13, GRAG00, OGP⁺16, RA94, YKM03, Gao86, WEJS94]. **Piranha** [CGJK95]. **Pitfalls** [HML⁺20]. **Placement** [ANS⁺12, DCX⁺17, JQWG15, SHZ⁺14]. **Plain** [SS23]. **Plane** [Mer86]. **Planes** [LYG⁺18]. **Planning** [KCW⁺05, LCT⁺20, 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, PVF21, 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]. **Pollination** [MSJ20]. **Polling** [Lin91a]. **Pollutant** [RSV⁺05]. **Pollution** [MKAP05]. **Polygons** [SS92]. **Polyhedra** [LW97, QRW00]. **Polyhedral** [DV97, IAR21, JCD⁺14, PCP⁺13, SA19]. **PolyJIT** [SA19]. **Polymorphic** [CGPS18]. **Polynomial** [SWL05, ZYOY13]. **Polynomial-Time** [SWL05]. **Pool** [ACD⁺16]. **Pools** [HR11]. **Port** [CND95, IBA11]. **Portability** [EGK23, KaM10]. **Portable** [EAK21, EVK22, JSS⁺15, JF21, LS91, NLBB23]. **Porting** [YKLD17]. **positive** [GHLN86]. **Post** [NS97b]. **Post-Pass** [NS97b]. **Potential** [HML⁺20]. **Potentials** [PDN21]. **Potentials-Based** [PDN21]. **Power** [AOAM21, AVLV03, GHR20, JS10, NBN⁺15, PO07, RSP20, SDH22, SWZ⁺15, SAI⁺20, WMN⁺17, ZLJ⁺17, ZJG17]. **Power-Aware** [AOAM21, AVLV03]. **PR** [KAI20]. **Practical** [CAP88, EKU22, GH96, Ski91, WZTH13, Hun87]. **PRAM** [GRR98]. **Pre** [DJS12]. **Pre-Execution** [DJS12]. **Precision** [KJPN10, ML15]. **Predicated** [CSC⁺00, CHPC96, TF96]. **predicates** [FK87]. **Predication** [AmWHM99]. **Predictability** [SS99]. **Predicting** [ÖA21]. **Prediction** [AOAM21, 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]. **Preserving** [DC20]. **PreSET** [SZH18]. **pressure** [LAV98]. **Prevent** [GMB95]. **Price** [Ger10]. **Pricing** [WWG⁺19]. **Primitive** [JLV21, JHLM01]. **Primitives** [DeB87, JK86]. **Priority** [BEP13, LLM16, NYHA14, SS17, CRM92]. **Priority-Based** [NYHA14]. **Privacy** [DC20]. **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, MFC21, Cie91]. **procedural** [JB98]. **Procedure** [KKMS99, SMM94]. **Procedures** [CK02, GMS00]. **Process** [FPY08b, LCL17, QA11, SSEA14, KMV87]. **Process-Based** [LCL17]. **process/Multi**

[PCJ20]. **Processes**
[EAT14, Mai87, PW87, RS90, Tho87].
Processing [AM95, APR⁺18, CPP⁺12, CY14, DJR16, GG14, GL18, GSS10, GB20, HZL16, HSXH19, JGP⁺18, JGM15, KIT⁺20, LT17, LAD15, Lys08, Mil88, NS97b, PTD⁺06, PS23, RSK09, RSA⁺18, RG15, SAB11, SHLJ17, SMDJ19, SBN03, TSS99, TRD21, TA99, VVCA23, WZB⁺92, WW17, ZLA21, ZHF⁺19, Ano87e, ECSS88, WB87].
Processor [BGMR11, BKT08, FCJV99, FVvL⁺16, GWPV21, HtBK⁺10, JHLM01, KBD03, KTT⁺99, SMM94, TKN⁺08, WSS18, WS08, WSO⁺07, XWH21, BM09, KBG⁺08, ZGH⁺15, Sca11]. **Processors**
[AOAM21, AK96, AMKE18, BG03, Cra88, Giv07, Giv08, GE90, HYBA18, KLG08, KL00, LG10, LZ17, MSJ01, PG07, QZP15, RPF18, SDH22, SKA96, SA10, WLL17, Zha10, AH08, DS97, Hem89, MA87, PW87].
PrODACT [FDY⁺19]. **Productive**
[GHDF19]. **Productivity**
[BCS⁺09, BS07, Car09, KaM10]. **Profile**
[CMW⁺94, CPMC96, GAG22].
Profile-assisted [CMW⁺94].
Profile-Based [GAG22]. **Profile-Driven**
[CPMC96]. **Profiling**
[CPMC96, LPF16, WTL⁺23, ZD19, ZSH⁺12].
Profiling-Free [WTL⁺23]. **Program**
[Dar05, KH18, KKMS99, MCFM12, SNB04, SLZB13, VNU19, CRM92]. **Programmable**
[CDC09, Dam07]. **Programming**
[AGT17, Ano16a, Ano21a, AVPG00, BBC07, BARSW95, BCL14, BCL17, Bro19, BJM20b, CBR17, CAT18, DPT17, DMK21, DK16, DeB87, DX14, EK14, ELK18, EAK21, EVK22, EGK23, FBGEL19, GGE19, GMP89, GK18, GJK⁺05, Gre16, GW19, GRR98, HSCI⁺16, HG18, HK14, HKJ⁺18, Hud86, KS97, Kes20, KBG⁺08, LHL⁺16, Lin91a, Lub90, MRLR16, MFGEL19, NL23, NAP02, PLN⁺04, PVAE98, QFRA19, RPF18, SQH92, SS01, SS23, SFAG14, Swa88, UKT00, VRGC19, YS22, YBRM14, ACD⁺14, BCL90, BCK98, Ken94, Par86a, Par86c, Tin88].
Programs
[AR16, AJF16, BAF94, BS03, BDH⁺14, CB01, CZ12, Dab21, DJR16, DSR17, EHKT07, FCRC16, FJO⁺16, IAR21, Jak19, Jan15, JW16, JLMW15, KSJ14, LMP98, LWDL17, LBT17, Low00, MGW99, MOL05, MBE03, NS97b, OB13, SHK13, SJKA99, SK97, SO89, SCS23, 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, SF20].
Properties [MAJD16]. **Property**
[LWDL17]. **Proposal** [DFC⁺07, DFA⁺09].
Protein [FJZ⁺15, KLK16]. **Protocol**
[BAP01, DeB87, GSY⁺13, MPAG18, PK20, RA09]. **Protocol-Based** [DeB87].
Protocols [BHL21, SB91, BCK98].
Provenance [AKA⁺20]. **Provide** [SS17].
Proximity [LTL15]. **Pruning** [WHC⁺17].
Pseudo [EVK22]. **Pseudo-Random**
[EVK22]. **Pseudosimulation** [GT86].
PTAS [JLMW15]. **Pthreads** [JBB21]. **pull**
[Par86c]. **Pure** [SNS21]. **Purge** [SAL16].
Purpose [WP00]. **Push** [RKG04, Par86c].
PVM [ES11]. **PyACTS** [DGMP09].
Python [DGMP09].
Q&A [GM20]. **QCD** [SKG09]. **QoS**
[RY20, RY22]. **QoS** [AH08, BDD⁺18, RY20, RY22, SS17, uRHH14]. **QoS-supported**
[AH08]. **Quadrant** [PK20]. **Quality**
[KK20, RLK20]. **Quantifying** [MHCF98].
Quantitative [LVJ22, LAV98, Sca11].
Quantum [PG16]. **Query**
[STM15, VVCA23, WWG⁺19]. **Queue**
[BBB⁺17, NSS12, WZTH13, ZLD15, CSF⁺20, CRM92]. **Queue-Based** [ZLD15].
Queueing [RKG04, TB23, AD86]. **Queues**

[GL92, LLM16, RMH21]. **Queuing** [WZTH13].

R [TRL09]. **Race** [KSJ14, MTT15, YLB19]. **Radial** [DMC⁺18]. **Radiation** [LG10, Zey05]. **Radiation-Induced** [LG10]. **Radio** [vNR11]. **Radios** [KWA⁺10]. **Radix** [SWF⁺17]. **Railway** [FLMR02]. **Random** [AK17, EVK22, 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, ZLA21]. **RDMA-Based** [LWP04, ZLA21]. **RDMA-Enabled** [GSY⁺13, RA09]. **Reachability** [WZB⁺92]. **Reaction** [HF14a, HF14b]. **Reactive** [BHL21]. **Read** [DCX⁺17, MV17]. **Real** [BEJD21, EWHS11, FJA⁺18, FJO⁺16, GAK20, LCT⁺20, RSA⁺18, YLB19]. **Real-Time** [BEJD21, FJA⁺18, FJO⁺16, LCT⁺20, RSA⁺18, EWHS11]. **Real-World** [YLB19]. **Realistic** [GZJ18]. **Really** [Kuc94]. **Realm** [PCJ18]. **Rearrangement** [SJBV06]. **Reasoning** [HVF18]. **Recognition** [KSA⁺18, PR99, SS92, SHK13, WZG⁺17]. **Recognizing** [PS92]. **Recommendation** [YFC21]. **Reconfigurable** [GMB⁺11, GBC⁺08, KBD03, NdMMW16, NBN⁺15, PJS⁺05, TKN⁺08, ZC09, CB86]. **Reconfiguration** [RSP20, SA10]. **Recovery** [CJS21, 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** [FBV21, MKAP05]. **Reduced** [ALTT17, DV97, MB12b, OOR13]. **Reducing** [CEP97, CK02, CTB14, FCJV99, TB23, 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, BJM20b, BJM20a]. **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, AVLV03, 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, CLL21]. **Related** [Lub90]. **Relation** [BKK20, BKK23, VK88]. **Relational** [MAWD⁺16]. **Relationship** [LkCH94, fS18]. **Relative** [SB91]. **Relaxation** [CCL12]. **Relaxed** [HVF18]. **Relaxing** [AKD98]. **Relevant** [NAS23]. **Reliability** [BBR11b]. **Remaining** [XLWX19, YYYX20]. **Remote** [JG97]. **Remoting** [MGL⁺17]. **Removal** [CDRV98, WS14]. **Renaming** [CSC⁺00, TA99]. **Rendering** [BGMR11, SC88]. **Rendezvous** [CMW90, RA09]. **Reordering** [JDF20, KP95]. **Reorderings** [MCWK01]. **Repair** [SDL17]. **RePhrase** [DDD⁺19]. **Replacement** [BEP13, Roy10, TFMP97]. **Representation** [CFB94, FWH⁺94, GP94, GBC⁺08, KSA⁺18, LYG⁺18, WGW04]. **Represented** [SSB21]. **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, DS20, GB20, RY20, RY22, SHS21, ZLD15, JK86]. **Resource-Aware** [CTK⁺11, GB20]. **Resource-Constrained** [SHS21]. **Restart** [CRM17]. **Restarted** [LEA15]. **Restoration** [JBB21]. **Restoring** [EGJS15]. **Restructuring** [KAMAMA17, MP04, PMHC03]. **Results** [AK92, AW98, GTK⁺88, Hun87]. **Retraction** [BKK23, RY22]. **Reusability** [KKSP18]. **Reuse** [CSD21, SBN03, XH98]. **Reuse-Driven** [XH98]. **Reverse** [AmWHM99, BE14]. **Reversible** [PG16]. **Review** [IR19, Mar09, dMMKdLN22]. **Reviewers** [Nic14]. **Revisited** [PM07, Wol86]. **Revisiting** [KD15]. **Right** [MP04]. **Rinda** [Sek09]. **RMI** [SW16]. **Road** [ANS20, GGE19]. **Robot** [JGZ⁺20]. **Robotic** [BUMS02]. **Robust** [LLSS03, Zha10]. **Rochester** [YBDJ17]. **Rock** [WSC20]. **Rollback** [DDJ⁺18]. **RollSec** [DDJ⁺18]. **Route** [SI11]. **Router** [JDF20]. **Routing** [BB90, IBA11, JLDF19, KAI20, LNP91, PK20, TOM⁺11, YMW⁺17]. **RT** [KAMAMA17]. **RT-CUDA** [KAMAMA17]. **RTOS** [KHT21]. **RTOS-Aware** [KHT21]. **Ruby** [Sek09]. **Rule** [KGK20, MAWD⁺16, KM86]. **Rule-Based** [KGK20, KM86]. **Ruleset** [Sca11]. **Run** [BG17, ELGE17, HtBK⁺10, RSP20, 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, HL21, Hue97, KTF23, Low00, NAP02, PHS19, 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, RJO22]. **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, CFX⁺20, Lys08, RSK09, RNJ⁺12, SH15]. **Scalable** [AGPGF14, Bel94, DLRS13, EK14, Fea06, GWYQ18, GG14, GH89, HC17, IBA11, JQJ⁺16, MPAG18, QZP15, RC16, RAP95, RBR22, TAY⁺12, Won02, XZX⁺15, ZLD15]. **Scalar** [Bos12, Fea91, SK97, SW95, AK96]. **Scale** [HC17, HKJ⁺18, KKZN12, LLGC17, LSA⁺07, LWGZ18, MAT23, SWF⁺17, WW17]. **Scaled** [CSD21, Mar17]. **Scaling** [KSBN22, MAJD16]. **Scan** [Mat17, KBD03]. **Scenario** [UKT00]. **Scenario-Based** [UKT00]. **Schedule** [EDA96]. **Scheduled** [CHPC96, GRAG00, PPEP08]. **Scheduler** [CLL21]. **Schedulers** [SY08]. **Schedules** [DF98, NST89]. **Scheduling** [ABASS12, AKD98, AO19, AK90a, AK92, AG98, AHKR01, AF15, BMA02, BR97, BBB⁺17, BHJ06, BCC⁺05, BM09, CGJK95, CSC⁺00, CAK17, Cie91, CML04, EDA96, Fea92b, Fea06, FPCD14, GAG22, GRAG00, LLW⁺17, LSL94, LMHW18, MSJ20, MP95, MB12b, NIO⁺03, NBA13, PDN21, PIP18, Rau96, RD08, SMM94, TF94, WLL17, WMC98, YH18, YHGW16, CMW⁺94, Fea92a, GN89, HC17, NP98]. **Schema** [WTZ⁺19, WWG⁺19]. **Scheme** [AKA⁺20, FC11, GN20, GL18, GV99, GL95, KAI20, LGY16, Lin91a, LSL94, LJE05, NYHA14, SHZ⁺14, WLL⁺08, YHGW16, AD86, Mil88]. **Scheme-Based** [Mil88]. **Schemes** [ASW⁺15, AMAH01, CKC22, HC17]. **School** [WMK19]. **Science** [HLK⁺09]. **Scientific**

[CAK17, DGMP09, HML⁺²⁰, IPR⁺⁰⁵, MV17, SSB⁺¹⁷, TTF⁺⁰⁸, WSO⁺⁰⁷]. **SCnC** [SSNS16]. **Scratchpad** [CHCL14]. **SDN** [AAN⁺²⁰, FBV21, SAI⁺²⁰, UWF⁺²⁰]. **SDRAM** [LPB13]. **Search** [BJM20b, DS20, GAR⁺¹⁶, Ged13, Hun91, KS90, LY95, MAT23, MB12b, MVD⁺¹⁴, WMK19, AD89, DPL86, KR87, RK87]. **Searchable** [AAI^{+20a}, AAI^{+20b}]. **Searches** [LTF⁺¹²]. **Second** [SS10]. **Section** [Ano16d, Ano16c]. **Secure** [AKA⁺²⁰, DDJ⁺¹⁸]. **Security** [AATD20, MSPR18]. **Segmentation** [LF15]. **Segmented** [JLV21]. **Seismic** [PTdSF⁺¹², Wai87]. **Selected** [KPS14]. **Selecting** [Low00]. **Selection** [CS20, DE00, GAR⁺¹⁶, KDV22, SAS18, WTZ⁺¹⁹, WTQ21, 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, DM20, NBN⁺¹⁵, RY20, RY22]. **Separation** [SS92]. **Sequence** [LHP⁺¹⁷, SO89, ECSS88, Hua89]. **Sequences** [AK17, FJZ⁺¹⁵]. **Sequential** [FCRC16, LNG12, TFNG09, WNMW16, Ali86]. **Serial** [NIK00]. **Series** [DMC⁺²⁰]. **Server** [AFM⁺⁰⁶, CYS16, LJ09]. **Servers** [EAT14, NYHA14, RC16, WLW⁺¹⁷]. **Service** [DWQ17, GAK20, LJ09, YFC21, uRHH14]. **Services** [HZL16, HHC⁺¹⁵]. **Set** [API03, CZTM03, DDD⁺¹⁹, GFL00, HCEP98, Mer86, SRS06, WGW04, XZT20, SZH18]. **Sets** [DWS16, FR95, LHF⁺¹⁵, NRR99, SS92, EG86]. **several** [Hem89]. **SFLA** [DS20]. **SGI** [CML04, IPR⁺⁰⁵]. **Shape** [CAZ02]. **Share** [TV15]. **Shared** [BS03, BS91, CCG⁺¹⁴, Cra88, FBGEL19, GV99, GG13, HML⁺²⁰, HR11, LSL94, Lub90, MMG04, MBE03, NIK00, NAP02, SNB04, SR15, SMC94, SS01, SS17, SSMO96, SY08, WQJY17, YBRM14, ZLD15, Con88, FcF87, GHNL86, Hem89]. **Shared-address** [HR11]. **Shared-Memory** [BS03, CCG⁺¹⁴, FBGEL19, GV99, HML⁺²⁰, LSL94, NIK00, NAP02, SMC94, YBRM14, GHNL86]. **Sharing** [CML04, GMB95, SNB04, YBDJ17]. **Shifting** [DH00]. **SHMEM** [SS01]. **Shortest** [AT91, OATGEL15a]. **Shortest-Path** [AT91]. **shuffle** [GE89]. **SIC** [GN20]. **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, TB23]. **Similarity** [Cza17, Ged13, RBR22]. **Simple** [CL96, WS08, LS91]. **simplicial** [EG86]. **Simplify** [MFGEL19]. **Simplifying** [MCA98]. **Simulating** [BH87]. **Simulation** [ABvK⁺¹³, AA15, Ano18a, CSD21, Dem11, GHR20, KWA⁺¹⁰, KP05, LJE05, MCE13, MGJS15, MANR09, PVG17, PPQV16, RJO22, SAB11, SJW22, 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, Dab21, EGK23, Fos89, HF14a, HF14b, PM07]. **Single-Source** [EGK23]. **Single-Valuedness** [Dab21]. **Singular** [BUMS02, LP94]. **Sink** [PK20, SAI⁺²⁰].

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