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(n, k) [CL13, MMCW18]. 0 [GAL96b]. 1 [APY06, GAL96b, MG09, RS98b]. 2 [CFG94, DFRC01, MCDB12, MCCW15, Pan97, PND02, RS98b, ST97]. 3 [Kru98, WGM+10, YKLD14]. **$5** [SCF01]. 5 [QY20]. 6 [HY18]. [1] [Sar92]. [2] [GM92, TKE+08, Ram94]. $\bar{p}_5$ [NP04]. $\mathcal{PLS}$ [DM12]. d [Bar93, HS96, Pel93]. $\diamond P$ [KW19]. $\diamondsuit \mathcal{P}_{\text{mute}}$ [FMR05]. e [HK95b]. ℓ [Wu95a]. g [LYW20, LZC+21]. K [Ste12, ACM19b, AS97, GGHJ04, Gal96a, KSOK07, NM96, San03, VP99]. L [Vid06]. m [WW19]. N [Ste12, AS97, IN99, KSOK07, NM96, Sto96, WW19, XUZ02]. $O(m)$ [NTHK17]. $\Omega(\log n - k \log k)$ [Gal96a]. p [XUZ02, ZN13]. p_5 [NP04]. $Q_{n,k,m}$ [CS13, LZG+19]. t [IR16]. $X + Y$ [AG98]. Z [QRR97].

-Ary [AS97, WW19, Bar93, NM96, Pel93, Sto96, VP99, KSOK07, Ste12]. **-based** [FMR05]. **-Bijective** [MCCW15]. **-CMP** [TKE+08]. **-Complete** [DM12]. **-Connected** [QY20]. **-cube** [HK95b, KSOK07]. **-Cubes** [AS97, NM96, Ste12]. **-Cycles** [HY18]. **-D** [APY06, MCDB12, ST97]. **-Dependent** [GGHJ04]. **-Diameter** [ACM19b]. **-Dimensional** [RS98b, San03, WW19, HS96]. **-Exclusion** [Vid06]. **-Extra** [LYW20]. **-Free** [NP04]. **-Good-Neighbor** [LZC+21]. **-Graph** [LZG+19]. **-M** [Ram94]. **-nodes** [Wu95a].

-Polyhedra [QRR97]. **-Process** [IN99]. **-Processor** [XUZ02]. **-reachable** [CFG94]. **-Resilience** [IR16]. **-Separator** [PND02]. **-set-based** [KCH92]. **-Shredders** [QY20]. **-Size** [XUZ02]. **-Star** [CL13, MMCW18]. **-value** [ZN13].

1-edge [CH94]. **1-Fault** [RV09]. **1-Interval** [MST21]. **1-Latent** [KY06]. **11-Step** [BB09].

2 [Hag92, Sch97]. **2-CNF** [Hag92]. **2.0** [CG98a, DLPW08]. **2012** [DMVT14]. **2D** [Fra93a, YTL92]. **2D-PARBS** [Fra93a]. **2D-Torus** [YTL92].

3-Connected [KQY21]. **3-Extra** [ZXY21]. **3D** [BKT92, CM95, SC96]. **3D-grid** [BKT92].

5 [WLR95]. **512** [Nov20].

Abel [Gla93]. **Abel-Poisson** [Gla93]. **Abstract** [CFM+99, Her05]. **Accelerating** [MCR+17, RJ21]. **Acceleration** [DTST15, IKMH09, MV08b]. **Accelerator** [LCS+14]. **Accelerator-Based** [LCS+14]. **Acceptance** [GHF10]. **Access** [CmL21, DWH+06, GRS07, HZW08, NA10d, TB94, VAP94]. **Account** [CQSY20a]. **Achieve** [VMA11]. **Achieving** [WJ16]. **Active** [FKB+99, GEL03, MAP+19]. **acyclic** [CDZ96]. **Adaptable** [GKSP99]. **Adaptations** [DPM+10]. **Adapting** [TT05]. **Adaptive** [Agr99, BIW11, CBV+05, DDT17, HW06, JL05, KBFB01, KB05, KY06, KW06, LL21, PAKM08, Ran05, SLG04, SS13, SZJK11, Tan09, WBUW14, ABIM93, Dua93]. **ADD** [KW19, VRR20]. **Adders** [TA09b]. **Adding** [SKL10]. **Addition** [EW10]. **Additional** [YL10]. **Additive** [Kru98, LS91]. **Address** [Ald03, BAS96b]. **Adjusting** [BF05]. **Advances** [NA05, Qiu10]. **Affects** [DW07b]. **affine** [BFCD94, CRF95, KP94, Len92]. **Agent** [PRH+03, VMA11]. **Agent-Based** [PRH+03]. **Aggregating** [YS05a]. **Aggregation** [PA99]. **Agreement** [Mal97, Pel95]. **Aided** [VKS99, AD92a]. **Alberto** [Ano04c]. **Algebra** [AB08, Sol09b]. **Algebraic** [HCD+19, RR91]. **Algorithm** [AAH14, AD02, AG98, BE03, BGK+98, BSM+16, BOV15, BEGK00, CC17, CLM+16, DF99, DDS17, Dev05, DWS15, DT00, EW11, FS99, GMCC05, HA10, HHL+07, HL98b, HT99, HLJ97, IN99, JS06, KKS00, KOKM14, KSAOK05, LMS98, LPP01, LN05, Mar98, MMMT12, MM16, NF06, NTHK17, OV06, Pag13, Per21, RRM15, Ray21, ST12, SMK98, SCJ+10, TTV00, Tsa04, VKS99, Vid06, XX20, AS92, BNKS93, BK92, CM96, DJM91, DRS96, GI94, JR96, KDK+93, KESH95, LM97, MB95, OW92, PB96, Pan94, Per94, PS93, ROJ94, SF91, SS92, TM93, TH94, Wan96, Wu96, Wue09, YDL91, YDL94]. **Algorithmic** [BDR+99, OLC+00, ZKmST18]. **Algorithms** [APY06, Ano94, ACK99, AB16, BF02, CMS99, CJN99, CG98b, DDT99, DGT98, DFRC01, Don07, FDZ99, GGH+04, GRS07, GHS97, GK03, HHKM13, HKP+98, HHH+99, JW07, KLN04, KN06, KU09, LSF14, LMT10, MS99, MRRV07, MGBG07, MHKT05, MMAL06, MB98, NP04, PL11, PND02, PADB03, Raj02, RDK00, SKN10, SDLM18, VP98, VSS00, WSK16, XUZ02, BM95, BCD95, CLM93, Chl92, CT94, CF95, DH94, DDTV92, Dua93, FD92, HK95a, IR95, Nak95b, NR95, OSW93, PA95, PD95, Qia95, RP93, RSS95, SC96, XWF93, Zar97, SW93]. **Aligned** [YWJ03]. **Alignment** [AP05, IKMH09, LMS98, DR94, KDK+93]. **Alignments** [FAH03]. **All-Optical** [CKP00, PSSV02]. **All-To-All** [APY06, FV99, CMS99]. **Allocation** [BDG97, HW06, IÖ98, PK04, TE04, AER94, CC93, HS93, KY96, PPRZ93, RB95]. **Allocator** [VH01]. **Almost**

[De 04, KN06, Pel95]. **Almost-Optimal** [KN06]. **Almost-safe** [Pel95]. **Alternator** [Had08, Kul07]. **Amdahl** [CWR21]. **Amdahl-like** [CWR21]. **Among** [CH03]. **analyse** [AR96]. **Analysis** [AD02, Agr99, CG97, GLMM+04, GRS07, GS97, HC02, JSZM08, KOKM14, KBG+13, Kra01, LCS+14, MMJ+03, RvGG01, SBR+17, SMH03, WR97, WGM+10, YGM97, ZHW09, ZXYY20, Lin92, VP96, Wan96]. **Analytical** [AH00a, AH00b, ZSLC18]. **Analytics** [GGS+15]. **Analyzing** [ARA20]. **Anarchy** [GLMM06]. **And-Parallelism** [Mar98]. **Annealing** [Pet03]. **Anniversary** [Akl11b]. **Anonymous** [CLM+16, DDLV17, Tur10]. **Ant** [DHBL06]. **Anticipated** [LM00]. **API** [CH03]. **Apostolico** [Ano04c]. **Application** [BLY+08, GB98, GM04, HW06, KS97, KC02, NA10b, ZHW09, Lin92]. **Applications** [AB08, AKP99, BS01, BRT09, BCL97, BDG97, CMS99, CLT13, CGS15, CLZC11, CFG04, FOCK15, FC05, FAMP12, Gar14, GP03, Ger02, GG96, HM01, HL03, IDS+05, KBFB01, KLJ08, KHAM04, LF14, LFJ99, MTD98, MMJ+03, NKCS03, NTG99, PT07, PT98, RBS15, SB12, VD03, ZMD15, Alb92, DM96, LOSZ93]. **Applied** [AIL16, CmL19a]. **Applying** [Mac12, TFTY05, TB18]. **Approach** [EADN06, Gam07, GS15, KWDS03, VLR+03, CU96, FFSY93, RP93, Xue96]. **Approaches** [AL05, BMSW04, DHBL06]. **Approximability** [CDP+07, SX02]. **Approximate** [HRH18]. **Approximating** [Hag92]. **Approximation** [AB16, BGK+06, Tur10, BCD95, DV97, FR96]. **Approximations** [BBL04]. **Arbitrary** [BD02, CM97, DWS15, Had08, VRR20, ES92]. **arc** [RB93]. **arc-disjoint** [RB93]. **Archetypes** [Mas99]. **Architectural** [Gam07, DRS96]. **Architecture** [ATM01, BLY+08, DDS17, Fuj08, HL98b, MCDB12, MAP+19, MCR+17, MIJ16, PL11, ZS08, AD92b, GS95]. **Architectures** [ADKT12, AFN11, BGJ10, BCL97, CG98b, CRY+03, Mic98, PAKM08, CLZ92, CF91, DM96, DAB+11, Nak95a, RR91]. **Area** [PADB03, PT07, CQS09]. **Areas** [CQS11]. **arithmetic** [GW94]. **ARM** [TH13]. **ARMI** [TSS+06]. **arounds** [KRS93]. **Arrangement** [AA21, ZXLY20]. **Array** [CG97, DP03, ER99, LTZ98, MCDB12, QM98, RS97, YKLD14, AQRW95, Kri91, Qia95, Sto96, TM93]. **Arrays** [DT00, FUV99, GS03, HQP98, KM09, Sib02, UKY09, GW94, Gla93, IK96, Len92, Myo92, Oks95, OSZ91, PS93, RR91, Xue91]. **Art** [KB19]. **Artificial** [Mac12, YF18]. **Ary** [AS97, KSOK07, Ste12, WW19, Bar93, NM96, Pel93, Sto96, TM93, VP99]. **Asher** [Wan96]. **Aspects** [NA07b]. **Assessing** [BMRGR13]. **Assignment** [EB98, KU09, KN92]. **Assist** [AB08]. **associated** [DT96]. **Association** [TH13, ZN13]. **Associative** [AAH14, SW08, THAJ15]. **associativity** [DGJS95]. **Assumption** [MMRT06]. **Asymptotic** [GGV12, PT07]. **Asynchronism** [RR08]. **Asynchronous** [BIW11, GSS08, IR16, Pel06, YS05a, AJ96, Dor92, FMR05]. **ATM** [EFZ98]. **Atmospheric** [LF14]. **ATMR** [CP98a, CP98b]. **Atomic** [BF97]. **Attached** [DWH+06]. **Attacks** [LLC11]. **Augmentation** [JS15]. **Augmented** [ZXY20]. **Authenticated** [CLL16, NA07c]. **Authentication** [CLH13, LLC11]. **Author** [Ano98a, Ano99a, Ano00a, Ano01a, Ano02a, Ano03a, Ano04a, Ano05a, Ano06a, Ano07a, Ano08a, Ano09a, Ano10a, Ano11a, Ano12, Ano13, Ano14, Ano15, Ano16, Ano17, Ano18, Ano19, Ano20, Ano21]. **Auto** [CFL12, HlMD21]. **Auto-Tuning** [CFL12, HlMD21]. **Automata** [Car07, DTST15, TLHL17, Tor09, Wue09, BH96]. **Automated** [HC02, LLD+03, TLHL17]. **Automatic** [AB08, AGMM00, BF97, CL95,

CJ01, EW13, HBL03, KKKL18, MRS04, MMJ+03, NvG95, WLW11, Fea94, GAL96b]. **Automaton** [MG09, MS09]. **Availability** [Wol99]. **Average** [CQS11, LP98, BHPS95, Kop96]. **Averaging** [RJ21]. **avoidance** [Dor92, Dua92]. **AVX** [Nov20]. **AVX-512** [Nov20]. **Aware** [ACCLS14, BMRGR13, BK08, DDT17, FOCK15, LO09, LN05, SYR13a, ZS08]. **Axiom** [CBC03].

Back [HL98b]. **Back-Propagation** [HL98b]. **Background** [SCJ+10]. **backtrack** [KCH92]. **Bag** [FOCK15, OKL11, SB12]. **Bag-of-Task** [FOCK15]. **Bag-Of-Tasks** [OKL11, SB12]. **Balanced** [ST14, SŠZ04]. **Balancers** [KMAG01]. **Balancing** [CLR11, DEKS04, EMPF04, GC06, GT00b, MRRV07, ST12, VH00, CLZ92, XL94]. **Bandwidth** [CRY+03, BKT95, Pel93, VP96]. **Barnes** [BGLM05]. **Barrier** [APSF01]. **Barrier-Lock** [APSF01]. **base** [GM92]. **Based** [AAH14, Ahn19b, ARA20, AGLS12, AKP99, CLL16, CGW05, CJ01, Deb97, DHBL06, DEKS04, DBK+09b, EW13, ESSP01, FC05, FGK15, HHL+07, HL98b, KSAOK05, LCS+14, LZC+21, LMT10, MCDB12, MMT17, MR01, OLC+00, PFM+09, PRH+03, Sch05, SFHW11, Sch15, THAJ15, WLW11, Wu98, YKLD14, ZJSY20, ZZL+21, Ahn19a, AD92b, AQRW95, BNW07, DM96, FMR05, KS96, KP94, KCH92, KP96, Qia95, ROJ94]. **Basic** [Sol09b]. **Batch** [TLH11, FL96]. **Batched** [Nov20]. **BaTS** [FOCK15]. **Bayesian** [MMAL06]. **Be** [VMA11]. **Behavior** [Cho98]. **Being** [Akl10]. **Ben** [Wan96]. **Ben-Asher** [Wan96]. **Benchmark** [ZHW09]. **Benchmarking** [CG01, DM96]. **Benefits** [BK08, ZTS+16]. **Benes** [CM97]. **Best** [BET04, HlMD21, KBH03, KY96]. **better** [Wan96]. **Between** [BFG+08, DLP03, GM03, GVCS14, LLD+03, Trä09, Mac95]. **Beyond** [AB99, MST21]. **BFS** [SS92]. **bibliography** [Nak95a]. **Biconnectivity** [JS15]. **Bicriteria** [BBL04]. **Bicube** [LZC+21]. **Bicube-Based** [LZC+21]. **bidimensional** [ABIM93]. **Big** [MDAT17, VDL+15]. **Bijective** [MCCW15]. **Binary** [CGR16, HMA99, KR98, QM98, XU99, XUZ02, SW93, UN92]. **Bioinformatics** [CCCV04, CFG04]. **Biological** [Ada07, CC17, IKMH09]. **Biomolecular** [FGK15, NA07b]. **BIP** [TW01]. **BIP/Myrinet** [TW01]. **Bipancyclic** [LZY18]. **Bipartite** [BMFU18, CJN99, Hag95, TMW20]. **Bird** [CS95]. **Bird-Meertens** [CS95]. **Bit** [Gla93]. **Bit-level** [Gla93]. **Black** [MCI+01]. **BLAS** [MCR+17, SS05]. **Block** [BOV15, MCDB12, OV06, VRT97, WBUW14]. **Block-Cyclic** [VRT97]. **Block-Jacobi** [BOV15, OV06]. **Block-Parallel** [MCDB12]. **Blocked** [FDZ99]. **Blocking** [HT98, WHTW10]. **Blog** [BLL12]. **Blue** [KBG+13]. **Bluegene** [ABB+03]. **Bluegene/L** [ABB+03]. **Bluetooth** [TB18]. **Boltzmann** [OTK15, PKW+03, ZHW09]. **Boolean** [TB94]. **bottleneck** [NM96]. **Bound** [CG98a, HPP99, CT94, CF95, Gal96a, Kop96, Mac93]. **Boundary** [BFG+08]. **Bounded** [BEGK00, KW19, Sin96, CK93]. **Bounds** [DR00, GR11, HT21, MV04, Pel93, SB12, CL93, MSP95, RLG91, Wu95a]. **Box** [MCI+01]. **Bracha** [Ray21]. **Bracket** [HT99]. **Braided** [LG97]. **Branch** [CG98a, HPP99, CT94, CF95]. **Branch-And-Bound** [HPP99, CG98a, CT94, CF95]. **Breadth** [Gre93]. **Breadth-depth** [Gre93]. **Bridges** [Dev05]. **Brief** [CQSY20a]. **Broadcast** [Ahn19a, BM97, DVWZ99, IR16, LP98, LM00, Mic98, Ray21, RV09, SW08, HK95b, Mac93, SV93, WV95]. **Broadcast/Reduction** [SW08]. **Broadcasting** [AD02, CMS99, DR00,

DKP98, DD99, DV02, HL98a, KCPP00, Pel92, Qiu07, BKK94, BOSZ92, BOSW94]. **Broader** [TBV98]. **Bruijn** [AH98, Bar93, DA93, MV04, Pel93, RB93]. **BSP** [CG01, CS01, DPM+10, FS99, Gav03, GS99, Hin03, KH02, Kru08, Lou01, TLHL17, Zav01]. **BSP/CGM** [FS99]. **BSPGRID** [Vas03]. **BSPlib** [Sui17]. **BSR** [GS94b, XU99, XUZ02]. **buddy** [JD92]. **Budget** [OKL11, WSK16]. **Buffer** [AP05]. **Buffering** [BF02, BCS05]. **Buffers** [Gon09]. **Building** [Gam07]. **Bulk** [BVHR13, CS03, Gav08, Sui17]. **Bulk-Synchronous** [CS03, Gav08]. **Bus** [ER99, HL98b, KCPP00, Wu98, FY93, HS96, OSZ91, PS93, Qia95, Sah95, TM93]. **Bus-Based** [HL98b]. **bused** [CL93]. **Buses** [HQP98, KM02, LTZ98, QM98, RS97, KRS93, LOSZ94, Sue95]. **Butterflies** [KKC98]. **Butterfly** [BDDP98, FU92]. **Buttery** [CQS16]. **Bytecode** [Gam03]. **Byzantine** [ABO06, BIW11, FMR05, IR16, Mal97, MT16, Pel95, Pel06, Ray21].

C [BGL03, BGLM05]. **Cache** [AFN11, CmL21, CP98c, KS97, KET06, PKW+03, DGJS95, KS96]. **CacheFlow** [KET06]. **Caches** [WHTW10]. **Caching** [SBR+17]. **Calculating** [CS95, Cos15b, HT99, ZN13]. **Calculus** [DP03]. **camera** [Ano98g]. **camera-ready** [Ano98g]. **Caml** [CF03, CRV08]. **Can** [Pan03, VMA11]. **Canonical** [QRR97]. **Capture** [SBR+17]. **Card** [WJ16]. **Cards** [SCF01]. **Carlo** [HUZ06, MHC+04]. **Carry** [TA09b]. **Cartesian** [AA21, ACM19a, BA95, Wan96]. **Cascades** [BLL12]. **Case** [BGLM05, CFG04, DBK09a, HTHH05, MG11, NDFM07, VLR+03, ZTS+16, BHPS95]. **Case-Study** [HTHH05]. **Causal** [BM97]. **CCCs** [SŠ03]. **Cell** [Dec21, DBK+09b]. **Cellular** [Car07, DTST15, GT00a, GMCC05, JW07, MG09, MS09, Tor09, Wue09]. **census** [BNKS93]. **Center** [HY19, LZS+18, SDLM18, XLP12, ZMZZ20, ZMZZ21]. **Certain** [RRM15]. **Certified** [CLL16]. **CFD** [Tan09]. **CFinder** [PPV12]. **CGM** [FS99]. **Chain** [BRT09, Wue09, ZN13]. **chain-rules** [Wue09]. **Chains** [ACK99, SDLM18]. **Challenges** [LGHB07]. **Channel** [Dua92, GR11, GHS97]. **Channels** [BL08, KW19, VRR20]. **Characteristics** [HZW08, Vir93]. **Characterization** [EFZ98, DDR96]. **Characterizing** [CLT13]. **Check** [PT07]. **Checking** [RvW98]. **Checkpoint** [SWK+13]. **Checkpoint/Restart** [SWK+13]. **Checkpointing** [Ahn19a, CCR11]. **Chemical** [Cos15b, MBT15, ZKmST18]. **Chief** [Ano01c]. **Chip** [BLY+08, CmL19a, TKE+08, ZJ09]. **Chip-Multiprocessor** [TKE+08]. **Chips** [Jes08, PAKM08, ZSLR21]. **Cholesky** [CHQ96, KESH95]. **Chordal** [NP04, PND02, KP96]. **chordless** [CLM93]. **Christmas** [RRM15]. **Circuit** [IÖ98, PS98, BHPS95]. **Circuit-Switched** [IÖ98, PS98]. **Circuits** [SX02, RB93]. **Circulation** [KOKM14]. **CIRM** [BET04]. **Class** [LSW97, XLP12, XX20, ZXLY20, BE96, HL96]. **classes** [Dua92, RP93]. **Classical** [NA07c]. **Classification** [AAH14, THAJ15]. **Cleaner** [JS18]. **Client** [GM04]. **Client-Server** [GM04]. **Clients** [ABO06]. **Clique** [AKPSR16]. **Clock** [APSF01, PT97]. **clocks** [ADG91]. **close** [GS94a]. **Closed** [ANS12]. **Closure** [PL11, Aln94, GMR92]. **Cloud** [DJMN13, KB19, WSK16]. **Clouds** [DT13, DT15, MJGR09, OKL11]. **Cluster** [DEKS04, GM03, GKSP99, PRH+03, RšT06, VLR+03]. **Cluster-Based** [DEKS04]. **Clustered** [Trä09, TDS99]. **Clustering** [BNW07, CC17, DWH+06, Fox13, HA10, PPV12, KESH95]. **Clusters** [Aba04, BLMR03, CG01, Dan01, DT01,

DT13, DT15, FOCK15, HCD+19, Kra01, PA99, WHTW10]. **CM** [WLR95]. **CM-5** [WLR95]. **CML** [Deb97]. **CMP** [TKE+08]. **CNF** [Hag92]. **Co** [GLMM+04, SYR13a]. **Co-Regulated** [GLMM+04]. **Co-Schedules** [SYR13a]. **Coarse** [Box09, Box21, CD99, SSK+18]. **Coarse-Grid** [SSK+18]. **coarsest** [GI94, Gal96a, JR96]. **Code** [EW13, Gam07, KLH+14, KKKL18, van94]. **Codes** [Agr99, GKS+14, KLN04, KN06, KLH+14, PT07, PKW+03, WHTW10, Sto96, TM93]. **Codeword** [Gar14]. **Coherence** [CP98c]. **Collaborative** [RGM06]. **Collecting** [FDFR93]. **Collection** [AKP99, PK04]. **Collections** [ZTS+16]. **Collective** [BIC05, HSL09, Trä09, WLR95]. **Colony** [DHBL06]. **color** [PB96]. **Colored** [ACM19a]. **Coloring** [ACM19a, FR96]. **column** [Sue95]. **Columns** [Jai99]. **combination** [Gri92]. **combinations** [ES92]. **combine** [BH93]. **Combined** [Mak09]. **Combining** [DSV97, Pet03]. **Common** [BFG+08, CS13, Per21]. **Communicating** [BW16]. **Communication** [Ahn19a, Ahn19b, APY06, ATM01, AP05, BBF05, BIC05, BGPT00, BCS05, CKP00, CFM+99, CCA01, CG98b, DFRC01, DGVG96, Gon09, IT02, IDS+05, JSZM08, KM09, LDC08, NA07c, Nit05, PSSV02, PS98, PAKM08, Pur06, Res97, RšT06, ST12, SMK98, SFHW11, TB18, TSS+06, Trä09, VRT97, YGM97, AER93, DDT95, GC95, LJ95, NPT95, Qia95, RLG91, WLR95]. **Communication-Efficient** [DFRC01]. **communication-intensive** [Qia95]. **communication-time** [LJ95]. **Communications** [BGK00, FV99, GM03, GBS+07, HSL09, SŠZ04, Wu98]. **Communities** [BLL12, PPF12]. **Community** [FAMP12, NTV12, TMKS16]. **Compact** [BF02, CJ01]. **Comparative** [CDM+03, Fra93a]. **Comparing** [DW07a]. **Comparison** [FV99, LL21, Mer15, MDAT17, KRS93]. **Compensation** [MS05]. **Competitive** [BDG97, KRS15, Fio93]. **Compilation** [BGJ10, Kre97]. **Compile** [KS97, KS96]. **Compile-Time** [KS97, KS96]. **Compiled** [JSZM08]. **Compiler** [Bra00, LF14, Qui00, RvW98]. **Compiling** [ABNP00, PP97, van94, Mon94]. **Complementary** [TMW20]. **Complete** [ACM19a, BGPT00, DM12, EFZ98, Sch09, BCD95, Gre93]. **Complexity** [AKPSR16, BBF05, BRT09, CCQ13, CDP+07, GPS03, OLC+00, Pur06, Ste12, TBV98, TX98, ZKmST18, AER93, CDZ96, NPT95]. **Component** [KBFB01]. **Components** [GSS08, SKN10]. **Composition** [FC05, Pag13, ZTP+08]. **Compressed** [De 04, HlMD21]. **Compression** [HS97, KKS00]. **Computation** [Akl03, Alb92, ANS12, DDS17, FUV99, HW07, Jon15, Mac12, Nov20, OKH+02, Qiu10, Sta12, Vas03, ZSLC18, BIL92, GS94b, LP94, NvG95, RV96, SBP94]. **Computational** [ABG02, AVD01, Cam08, CLR11, DJMN13, DT01, MKA98, Ste12, LOSZ94, HMA99, Wol99]. **Computations** [Akl06b, Bra00, BA01, GK14, HlMD21, KM09, LF97, SHBG14, WJ12, YWJ03, BOSW94, CC93, JJ96, Akl06a]. **Compute** [DBK+09b, RGM06]. **Computer** [Akl06c, NA07a, AD92a, AD92b, Ano98g, Chl92, Sah95]. **Computers** [Hua06, KCPP00, LPP01, DJM91, FY93, MMMS94, Zia95]. **Computing** [AGLS12, BDH+08, BCMC+04, BDR+99, CSK00, DMVT14, DT01, DT13, DT15, DM12, FVR20, FGK15, GLMM+04, GS94b, GK13, HQP98, HT94, IDS+05, KB19, KBGE07, KWDS03, LMZ99, LOSZ94, LY07, MG11, MB98, NA07b, SCF01, SS13, TDS99, VMA11, VDL+15, BNKS93, NR95, Pan94]. **concave** [LP94]. **concept** [Dua92].

Concurrency [GRS07, Jes06]. **Concurrent** [BGJ10, Deb97, GR99, HHL+07, Sch15, SCJ+10, Vid06, ZTS+16]. **Condition** [GR99]. **Conditional** [CP12, CL13, CQS16, LYW20, Wan96]. **Conference** [DMVT14]. **Configuration** [CSK00, Sch09]. **Conflict** [VLL+91]. **Conflict-free** [VLL+91]. **Congestion** [DM12, RS98b]. **Conjugate** [SSK+18]. **Connected** [AKPSR16, CZ20, KQY21, LPL20, LZY18, MST21, QY20, SKN10, VRR20, Chl92, FU92, KY96, Kri91]. **Connection** [MCCW15]. **Connectivity** [AS19, Bur21, CQSY20a, HY19, kLCL20, LYW20, MWZ19, Nin20, TMW20, WW19, WXW20, ZXY20, ZXY21, Aln94, YDL94]. **Conquer** [HL00, Tis01, HL96]. **Conqueror** [GKS+14]. **Consensus** [BIW11, MR01, MPR18, FMR05]. **Consistency** [GR99, HK16]. **Console** [ESSP01]. **Constant** [ADS91, DDLV17, DMS99, MB98, SDLM18, MB95, Pan94, PS93]. **Constraint** [HKS01, OII12]. **Constraints** [WSK16, CRF95]. **construct** [SS92]. **Constructing** [GM92, JS18, KW06]. **Construction** [BSM+16, BHQ92, CRF95, DZ13, DVWZ99, EFZ98, KR98, KLN04, KN06, BH96]. **constructions** [CC92]. **constructor** [Sie96]. **Consumers** [LLD+03]. **Consumption** [dSJR+15]. **Contention** [AFN11, BK09, CGR16, NPT95]. **Contention-Friendly** [CGR16]. **Context** [BW16, Sch15]. **Context-Based** [Sch15]. **Context-Free** [BW16]. **Continuous** [FUV99]. **Contour** [MB98, Gla93]. **Contractible** [KQY21]. **Contraction** [MHKT05, QY20]. **Contraction-Critical** [QY20]. **Contrast** [MTD98]. **Control** [Cam08, CmL19a, Kme14, MAP+19, NA10d, OKL11, FFSY93, SF91, Xue91]. **Controlled** [GRS07]. **Controllers** [SKL10]. **Convection** [ZLL04]. **Convection-Diffusion** [ZLL04]. **Convergence** [AVD01, DWS15]. **Convertible** [CLL16]. **Convex** [BOSZ92, RB95]. **Convolution** [YF18]. **Cooperative** [DHBL06, GK13, RR08, ZTP+08]. **Coordinates** [PPF12]. **Coordination** [GSS08, ZTS+16]. **Coping** [NA10a]. **Copy** [GS97, Yai08]. **Copying** [PK04]. **Core** [AFN11, BDH+08, DZ13, Jes08, MIJ16, SKL10, Sol09a, Sol09b, UVJ11, DAB+11]. **Cores** [BBG+11]. **Correctness** [CP98b, O'D94]. **Coscheduling** [CCA01]. **Cost** [BGK03, HC02, LM00, NF06, SMH03, ZTS+16, DGJS95, Gal96a, PRS95]. **cost-effective** [PRS95]. **Costs** [BCS05, Cam08, GS97]. **Count** [EFZ98]. **Counterexamples** [Akl06c]. **counters** [AR95, ADS91]. **coupled** [CF91]. **Cover** [Tur10, BCD95]. **Coverability** [BW16]. **Coverage** [DGB10]. **CPU** [GGV12, Wol99]. **CPU/GPU** [GGV12]. **crash** [GV93]. **crash-tolerant** [GV93]. **Cray** [DBK09a]. **CRCW** [Fra93a]. **CRCW-PRAM** [Fra93a]. **Create** [MCI+01]. **creation** [SJL94]. **CREW** [LO93]. **Critical** [QY20]. **Cross** [SS13]. **Cross-Paradigm** [SS13]. **crossbar** [SF91]. **Crossed** [CP12, HLH+17]. **crosstalk** [BAS96b]. **Cryptographic** [NA10d]. **Cryptography** [NNA10]. **Cube** [HLH+17, KSOK07, LC14, LH02, Wu98, FU92, HK95b]. **Cube-Based** [Wu98]. **cube-connected** [FU92]. **Cubes** [AMC18, AS97, CP12, DZ13, Ste12, ZXY20, NM96]. **Cubic** [KQY21]. **CUDA** [Fuj08, WJ12]. **Current** [SFHW11]. **Curves** [ANS12]. **Cut** [Dev05, ABIM93]. **Cut-Nodes** [Dev05]. **cut-through** [ABIM93]. **Cutting** [BMSW04]. **Cutwidths** [MV04]. **Cycle** [BDDP98, MMT17]. **Cycle-Based** [MMT17]. **Cycles** [ACM19a, AS97, HY18, HKP+98, CLM93, FU92]. **Cyclic** [VRT97].

D [Kru98, TKE+08, APY06, DFRC01,

MCDB12, MG09, Pan97, ST97, WGM+10, YKLD14]. **DAG** [CJ01, DDT99, DT96]. **DAGs** [CSBS95]. **DARPA** [LY07]. **Dashboard** [RGM06]. **Data** [Agr99, ADKT12, Ser01, ABNP00, AVD01, BLMR03, BGL03, BGLM05, BIL92, Bra00, Cam08, CDM+03, CSFK08, DDT17, DZ13, DT13, DT15, FKB+99, Gav08, GGS+15, GB98, GKS08, Guo01, GS97, HA10, HZW08, HY19, KKKL18, KET06, LMZ99, LF97, LTB01, LZS+18, MP93, MRRV07, MDAT17, Mon94, NKCS03, PP01, RJ21, RBS15, Sah95, SBR+17, TKE+08, THAJ15, Tho03, XLP12, XWF93, YGM97, ZSLR21, ZMZZ20, ZMZZ21, CU96, GAL96b, GDC94, GHSJ94, HT94, LV96, NvG95]. **Data-Center** [XLP12]. **Data-Driven** [NKCS03, TKE+08]. **Data-Flow** [Ser01]. **Data-Parallel** [ABNP00, BGL03, GB98, Guo01, GS97, RJ21, CU96, LV96]. **Database** [NKCS03]. **Databases** [DEKS04, FKB+99]. **Dataflow** [CG97, MDAT17]. **Datagrid** [Sch05]. **Dataset** [PPF12]. **DatTeL** [BGL03]. **DCell** [LZS+18]. **Deadline** [WSK16]. **Deadlock** [Di 00, KSAOK05, SV00, WS03, Dua92, Dua93, FD92]. **Deadlock-Free** [SV00, WS03, Dua93]. **deadlocks** [Dor92]. **deBruijn** [Sch93]. **Debugging** [Sui17]. **December** [Akl14a]. **Decentralised** [GGV12]. **Decentralized** [TT05]. **Decidability** [AMN12, KM09]. **decision** [SW93]. **Declarative** [GSS08]. **Decoders** [De 04]. **Decoding** [XU99, XUZ02]. **Decoherence** [NA10a]. **Decomposable** [SŠZ04]. **Decomposition** [BDDP98, DHBL06, LSF14, OK20, YKLD14, DV95, IR95, NvG95, Sch93]. **Decompositions** [Nov20]. **Decoupled** [SAJ10, Tho03]. **Deep** [YF18]. **Defeats** [NA07a]. **defined** [NR95]. **Degree** [CK93, DLP03, Had08]. **Degree-bounded** [CK93]. **Delaunay** [LPP01]. **Delay** [BNW07, GS15, MBT15, ADS91, BHPS95, NPT95]. **Delayed** [PK04]. **Delays** [BGPT00]. **Demand** [CRY+03, YGM97]. **Demand-Driven** [YGM97]. **demon** [TH94]. **Denotational** [Guo01]. **Dense** [DP03, Fuj08, IT02, WJ16, MP93]. **Density** [DW07b, HTHH05, PT07]. **Departmental** [GL05]. **Dependence** [KBFB01]. **dependencies** [HT94]. **Dependency** [KRS15, JJ96]. **Dependent** [GGHJ04]. **Deployment** [CFG04]. **depth** [Gre93]. **Derivation** [GB98, HC02, MHKT05, SMK98]. **Deriving** [Nit05, RDK00, RR91]. **Description** [Sch05, WLW11, ROJ94]. **Design** [BM97, BLY+08, CS03, CG98b, Gar14, GEL03, GM04, HlMD21, MCR+17, SZH14, YKLD14, Dua93, FFSY93, PRS95, SC96]. **Designing** [PMW+12, Tsa04, Qia95]. **designs** [CH94]. **Desktop** [BFG+08, CSFK08]. **Destinations** [ST97]. **Detection** [DMS99, GKK14, HlMD21, Mar98, ZYPGD08, FD92]. **Detector** [VRR20]. **Determination** [CFG04]. **Determining** [Alb91]. **Deterministic** [AJ96, DZ12, DFRC01, GS99, HPP99, RS97, RvGG01, DH94]. **Developing** [Ada09, Pan03, VD03]. **Development** [ABG02, CQSY20a, ESSP01, Hin03]. **Device** [DWH+06]. **Devices** [LC14, SMK98, SCF01]. **devising** [Fla97]. **DHcube** [ZZZY21]. **Diagnosability** [CQS16, LYW20, WXW20]. **Diagnosis** [EADN06, LL21, ZZL+21, DTLA93]. **Diagram** [DFRC01]. **Diagrams** [Cos15b, SW93]. **Diameter** [ACM19b, HL99, SH99, Sri96]. **Diamond** [GVCS14]. **Dictionary** [HS97, CC95]. **Difference** [Pur06]. **Different** [CH03]. **Differential** [OK20]. **Diffusion** [BLL12, EMPF04, ZLL04, XL94]. **digital** [ADG91, Gla93]. **Digraph** [PL11]. **digraphs** [CFG94]. **Dilation** [EM98]. **Dimension** [BEGK00, KW06, SŠ03]. **Dimension-Adaptive** [KW06]. **Dimensional** [BCMC+04, BMSW04, Car07,

LSW97, RS98b, San03, Sib02, WW19, CL93, CR95, HS96, KW92, MB95, OSZ91]. **Dimensions** [YL10]. **dining** [Per94]. **DIOGENES** [PRS95]. **Direct** [KB11]. **Directed** [FVR20, Sri96]. **Directions** [CQSY20a, KB19]. **Directives** [LF14]. **Directory** [CP98c]. **Discovery** [ZTP+08]. **Discrete** [CLL16, CHQ96]. **discrete-time** [CHQ96]. **Discriminating** [Lin92]. **Disha** [KSOK07]. **Disjoint** [HHKM13, Kru98, YMZL04a, YMZL04b, RB93]. **disjunction** [BHPS95]. **Disk** [DZ13]. **Dispel** [Akl06c]. **dispersal** [DMP94]. **Distance** [ACM19a, GGH+04, GZL+20, HHH+99, BIL92, DV97, PA95]. **Distance-Two** [GGH+04]. **Distances** [CQS11]. **Distributed** [Agu02, AL05, Ahn19a, Ahn19b, ATM01, ABNP00, AKPSR16, BCBB09, BCQO99, Cho98, CRY+03, DTLA93, FD92, GP03, IT02, Jes06, KOKM14, KWDS03, LPP01, LO09, Lou01, MMJ+03, NA05, NTG99, OL11, PADB03, SBR+17, SWK+13, SB15, SCF01, VD03, WLR95, ZSLC18, AER94, GHSJ94, JJ96, MNR96, NvG95, PPRZ93, RLG91, Sah95, SS92, TH94, van94]. **Distributed-Memory** [IT02, GHSJ94, NvG95]. **Distribution** [Agr99, CSFK08, LF97, NA07c, NA10b, NNA10, Fea94, GAL96b]. **Distributions** [DP03, VRT97]. **Distributively** [Aba04]. **Distributively-Owned** [Aba04]. **Divide** [HL00, Tis01, HL96]. **Divide-and-Conquer** [HL00, HL96]. **Divisible** [CWR21, Rob11]. **division** [AD92b]. **DLP** [Sol09a]. **DNA** [CGW05, Gar14]. **DNA-Based** [CGW05]. **Do** [CT94, LJ95, CRF95]. **Documents** [MRS04]. **Does** [Ada09, KE00]. **Domain** [KSHL14, OK20]. **Domain-Specific** [KSHL14]. **domatic** [RP93]. **Dominating** [DWS15, HHKM13]. **Domination** [LZG+19]. **Double** [FNP17, FGK15, HLJ97]. **Double-Ended** [FNP17]. **Doubly** [BIW11]. **Doubly-Expedited** [BIW11]. **Down** [CS03]. **Downloads** [PADB03]. **Drawing** [XU99]. **Drawings** [TTV00]. **Driven** [KET06, NKCS03, PMW+12, PT98, TKE+08, Tho03, YGM97]. **DSL** [GDTF17]. **DTML** [Sar92]. **Due** [LM00]. **duplex** [KRS93]. **Duplication** [BGK00]. **During** [KHW05]. **Dust** [CDM+03]. **Dynamic** [BOV15, BL08, BDG97, CmL19a, CLR11, DGB10, DR00, DT00, DV02, Dol98, GM03, Hua06, Jes08, KMAG01, MG11, MCI+01, MMJ+03, PAG08, Ran05, SB15, SLG04, TFTY05, FFSY93, Myo92, PLR+95, VP96]. **Dynamically** [WBUW14, Nak95a].

E-BaTS [FOCK15]. **ear** [IR95]. **Early** [TE04]. **ECM** [KSHL14]. **Eden** [HHOM02]. **Edge** [ACM19a, DDLV17, HL99, LPL20, MWZ19, MCCW15, RS98b, VSS00, ZXY20, CH94, FR96]. **Edge-Colored** [ACM19a]. **Edge-Congestion** [RS98b]. **Edge-Connected** [LPL20]. **Edge-Connectivity** [MWZ19]. **Edge-Faults** [MCCW15]. **Edges** [FVR20, KQY21, Pan97, Kop96, BFG+08]. **Editor** [FAMP12, Ano01c, Ano06g, Ano08h, Ano09f, JKRW08, JKRW09, Qiu10, Sta12, TA09a, WKRJ10, WKR11]. **Editor-in-Chief** [Ano01c]. **Editorial** [Akl11a, Akl11b, Akl12d, Akl12a, Akl12b, Akl12c, Akl13a, Akl13b, Akl13c, Akl13d, Akl14a, Akl14d, Akl14b, Akl14c, Akl15a, Akl15b, Akl15c, Akl15d, Akl16a, Akl16b, Akl16c, Akl16d, Akl17a, Akl17b, Ano97a, Ano97b, Ano97c, Ano98b, Ano98c, Ano98d, Ano98e, Ano98f, Ano99b, Ano99c, Ano99d, Ano00b, Ano00c, Ano01b, Ano02b, Ano02c, Ano03b, Ano04b, Ano04c, Ano04d, Ano05b, Ano05c, Ano06e, Ano06b, Ano06c, Ano06d, Ano06f, Ano07b, Ano07c, Ano07d, Ano07e, Ano07f, Ano07g, Ano08b, Ano08c, Ano08d, Ano08e, Ano08f, Ano08g, Ano09b, Ano09c, Ano09d, Ano09e, Ano10b, Ano10c, Ano10d, Ano10e, Ano11b, Ano11c, BET04, Cos93, Cos95, Cos96a, Cos96b, Cos97, Cos99, Cos00,

Cos01, Cos03, Cos04, KBH03, YS05b]. **Editors** [Ada15, DMVT14, DT11, DT13, DT15, GK17, GK14, HGH12, WKR13, WKR14]. **Effect** [HSL09]. **Effective** [CSK00, HKP+98, CR95, Dua94, PRS95]. **effectiveness** [CF95]. **Effects** [HUZ06]. **Efficiency** [CRY+03, IR16]. **Efficient** [Ahn19a, Ber92, BEGK00, Box09, BH93, CLM93, CDM+03, Dan01, DFRC01, EB98, GM03, GS99, GS03, GMCC05, HPP06, HCD+19, HK95b, HHH+99, JS18, KLN04, KH02, Mak09, Mal97, MCR+17, NRP+94, OL11, PA95, PA99, Rag98, Raj02, RBS15, SYR13a, SV93, VH01, CH96, Fra93b, GV93, Pan94, PPRZ93, RSS95, YDL94, Zar97]. **EGEE** [NDFM07]. **Elastic** [KB19, MRS04]. **Election** [DDLV17, SM20, AJ96, Tel95]. **Electromagnetic** [MKA98]. **Electron** [BCMC+04]. **Element** [RGM06]. **Elements** [BB09, GLMM+04, MB98, ES92]. **Elimination** [SMH03, PS93]. **Elliptic** [OK20]. **Elusive** [HoHqZS20]. **Embeddability** [YL10, Lat91]. **Embedded** [KCPP00]. **Embedding** [AS97, Bar93, BBBL04, EM98, HP92, KMY97, LH02, MCDB12, MLY99, QM98, RRM15, RS98b]. **Embeddings** [KKC98, Lav02]. **Embodied** [HW07, Mac12]. **empty** [OSW93]. **Emulating** [MS01a]. **emulation** [LO93]. **Enabled** [JSYD07, SPA04]. **Enabling** [GM04]. **encodings** [BAS96b]. **Encounter** [NA10c]. **Encryption** [CLL16, Wue09]. **Ended** [FNP17]. **Energy** [AB16, BMRGR13, FOCK15, LO09, LN05, OL11, TB18, VDL+15]. **Energy-Aware** [BMRGR13, FOCK15]. **Energy-Efficient** [OL11]. **Engine** [SZJK11]. **Engineering** [Tan09]. **Enhanced** [ZXY21, LOSZ93]. **Enhancement** [MTD98, NNA10]. **Entanglement** [NA10b]. **Enumeration** [TMKS16]. **Environment** [ABNP00, CCCV04, CSK00, ESSP01, GKSP99, MHC+04, RGM06, Vio94]. **Environments** [Agu02, AKP99, HUZ06, IDS+05, MS01a, MMMT12, MM16, Pel06]. **Enzyme** [FGK15]. **Enzyme-Based** [FGK15]. **equation** [Sta95]. **Equations** [BCQO99, OK20, ZLL04, CHQ96, Len92, Mon94, Oks95, Xue91]. **Equilibria** [BCBB09, DM12]. **Erasure** [PT07]. **EREW** [DH94, DF99, De 04]. **Eridis** [OL11]. **Errata** [Akl06a]. **eskimo** [Ald03]. **Establishing** [BS01]. **Estimation** [GV03, MMAL06, OKL11, KP94, PBKP92]. **Euclidean** [BIL92, PA95]. **Euler** [CDSS93]. **Euro** [KBH03]. **Euro-Par** [KBH03]. **Evaluating** [Cam08, FZL+16]. **Evaluation** [BDH+08, DW07a, Her05, HRH18, KSHL14, Kru08, LG97, LGCH99, LZC+21, Lou01, LZS+18, MMAL06, OTK15, SYL95, SS05, Sol09b, SAJ10, Tho03, ZZL+21, Alb92, ABIM93, SSSM93, YTL92]. **Evaluations** [KW06]. **Even** [SŠ03]. **Eventual** [MMRT06]. **Eventually** [VRR20]. **Evolution** [SZH14]. **Evolutionary** [MGBG07, SZH14, GG96]. **Evolve** [GMCC05]. **Exact** [KU09, GM92]. **Example** [LF14]. **ExaStencils** [KKKL18]. **Exchange** [MV04, CC93]. **Exchanged** [Nin20, ZXYY20, ZZL+21]. **Exchanges** [Box09]. **Exclusion** [IN99, KM02, KY06, Vid06, BK92, CM96]. **Exclusive** [BKK94]. **Exclusive-Read** [BKK94]. **Execution** [ATM01, FC05, Gam03, GPS03, GK13, GS03, GKS08, HRH18, LSW97, PT98, RBS15, SS13, GDC94]. **Execution-Driven** [PT98]. **Exhaustive** [TMKS16]. **exist** [CT94, LJ95]. **expander** [Hag95]. **Expedited** [BIW11]. **Experiences** [LFJ99]. **Experiment** [SS13]. **Experimental** [BIC05, GJQ09, Kru08, LO09]. **Experimenting** [Ald03]. **Experiments** [GKS+14, Mas99]. **Explicit** [Pur06, SFHW11]. **Explicitly** [CG97]. **Exploiting** [CmL21, RRS12, Sol09a]. **Exploration** [PT07]. **Explorations**

[Hea07]. **Exponentiation** [EW13]. **Expression** [JSZM08, Per21]. **Extended** [CG98a]. **Extending** [LCS+14, Mar03]. **extensible** [Sri96]. **Extensions** [HLH+17, KE06, FK96]. **external** [GS94b]. **Extra** [LYW20, ZXY21]. **Extraction** [CJ01]. **Extrapolation** [CLT13]. **Extreme** [CCR11, LBD+14]. **Extreme-Scale** [LBD+14].

FAB [YWJ03]. **facility** [LHCT96]. **Factor** [LLC11, BH96, CHQ96]. **factorisation** [PBKP92]. **Factorization** [FV16, GCP99, DDT95, KESH95, MP93]. **Factorizations** [ZSLC18]. **Facts** [Sza12]. **Faculty** [KMY97]. **Failure** [GRS07, NDFM07, VRR20, ZYPGD08]. **Failure-Sensitive** [GRS07]. **Failures** [MT16, MLY99]. **Fair** [CRV08]. **Fairly** [GGS+15]. **Fairness** [GS15]. **False** [SX02]. **Family** [UKY09, Fio93, HP92]. **Fantasy** [Syr13b]. **Far** [Sch09]. **Farm** [PK08]. **Fast** [BM95, CH96, CCA01, CGR16, DDS17, DS97, HK95a, HPP99, HRH18, LSF14, RV96, Aln94, AS94, DRS96, GHSJ94, Sta95]. **Fastest** [CJN99]. **Fat** [ZJ09]. **Fat-Meshe** [ZJ09]. **Fault** [ARS93, CC11, EADN06, GKK14, GK13, GP96, HLH+17, KHAM04, LH02, LNLE00, MLY99, MV08a, NTG99, Res97, RV98, RV09, SV00, SH99, VMA11, Wu98, ZXY20, BK92, CM95, CH94, DTLA93, RT92]. **Fault-Hamiltonicity** [HLH+17]. **Fault-Tolerance** [CC11, NTG99]. **Fault-Tolerant** [LH02, MLY99, MV08a, Res97, RV98, SV00, Wu98, ZXY20, BK92, CM95, CH94]. **Faults** [DR00, DV02, Mal97, MCCW15, DMP94, Pel95]. **Faulty** [ABO06, DPS00, IÖ98, KOKM14, Ste12, Pel92, Wu95a]. **Federated** [GMK13]. **Feedback** [Akl03, TFTY05]. **Feynman** [FGK15]. **FFT** [APY06, EW11, GB98]. **File** [DWH+06, GMK13, PADB03]. **Filters** [KE06]. **Final** [Kme14]. **Finding** [BGK+98, Dev05, DW07a, DW07b, SDLM18, Wu00, CDSS93, CLM93]. **fine** [CSBS95, GG96]. **fine-grained** [CSBS95, GG96]. **Firing** [UKY09]. **First** [DMVT14]. **fit** [KY96]. **Fixed** [Kme14, LJ95]. **fixed-processor** [LJ95]. **Flexible** [GBS+07]. **Flight** [CF03]. **Floating** [MCR+17]. **Flow** [ADKT12, Ser01, DDT17, FGK15, YGM97]. **Flows** [ZSLR21]. **Fluids** [LBD+14]. **flush** [AR95]. **Folded** [Nin20, Lat91]. **Follow** [Ada09]. **Forced** [SZH14]. **forest** [OW92]. **Foreword** [GL02]. **Form** [Rob11, RV96]. **Formal** [BA01, GP03, Gav03, GB98, Sch15]. **formalism** [CS95]. **Formalisms** [HL02]. **Format** [HlMD21]. **Formed** [Tsa04, VP98]. **Fortran** [Sch97, EB98]. **Foundations** [Deb97]. **Four** [EM98, UKY09]. **Four-State** [UKY09]. **Fourier** [NA10a, GHSJ94]. **FPGA** [ZJSY20]. **FPGAs** [Dec21, TKE+08]. **Fractional** [MMCW18, ZZZY21, ZMZZ20, ZMZZ21]. **Fragile** [MCDB12]. **Framework** [DDT17, FC05, GDDM17, LC14, RBS15, TH13, Tor09, VD03]. **Frameworks** [KWDS03, MDAT17, Qui00, THAJ15]. **Free** [BW16, FNP17, KY96, Kme14, MMRT06, NP04, PT97, SV00, ST14, WS03, Dua93, VLL+91]. **Friendly** [CGR16]. **FT** [LNLE00]. **Fully** [AKPSR16, TH94]. **Fully-Connected** [AKPSR16]. **Function** [KW06, GI94, JR96]. **Functional** [BL08, DRS96, Gav03, GL05, HL02, LCK02, Lou01]. **Functions** [AH00a, AH00b, Akl03, Nit02, BNKS93, Gal96a, NR95]. **Further** [HUZ06]. **Fusing** [ATM01]. **Fusion** [PMW+12, WBUW14]. **Fusion-Driven** [PMW+12]. **Future** [CQSY20a, KB19]. **Fuzzy** [AsS19].

G [LTB01]. **Game** [AsS19, BCBB09, YF18]. **Games** [DM12]. **Garbage** [AKP99, PK04]. **Gate** [FGK15]. **Gates** [SX02]. **Gathering** [BGK+06, MST21, CF93]. **Gene**

[SZH14, KBG+13]. **General** [BGJ10, NTHK17, SAJ10]. **General-Purpose** [SAJ10]. **Generalising** [Xue96]. **Generalization** [CS13, KP96]. **Generalized** [BCQO99, HY19, ZXYY20, ZZL+21, DA93]. **generate** [TM93]. **Generating** [BEGK00, GS94a, Her05, Sto96, Tsa04, AS92]. **Generation** [EW13, LBD+14, Pag13, SSK+18, TLHL17, VP99, VRT97, WLW11, CL95, ES92]. **Generations** [EW13, KBG+13]. **Generative** [KB05]. **Generator** [KOKM14, KKKL18]. **Generic** [Ger02, GB98, Nit05]. **Genes** [GLMM+04]. **Genetic** [CG98b, LN05, VKS99, DDTV92]. **genome** [ZN13]. **genome-wide** [ZN13]. **Genomic** [SZH14]. **Gentle** [GSS08]. **Geometric** [Akl06a, Akl06b, DPS00]. **GFFS** [GMK13]. **Given** [EFZ98]. **Global** [ATM01, CBC03, CLH13, PS98, AR95, BH93, GMK13]. **Go** [KE00]. **Gödel** [AMN12]. **Gomoku** [YF18]. **Good** [LZC+21]. **Gossiping** [FPP98, HS96, HKP+98, RS96, SŠ03, FY93, LR93]. **Göttfert** [ST12]. **GPGPU** [BCL12]. **GPU** [EW11, EW13, GZW16, GGV12, LMT10, MG11, MV08b, SKN10, SHBG14, WJ16]. **GPU-Based** [LMT10]. **GPUs** [DZ12, HCD+19, IKMH09, LF14, Mer15, WJ12]. **graded** [FDFR93]. **Gradient** [SSK+18]. **Gradual** [BM97]. **Grained** [Box09, Box21, CD99, CSBS95, GG96]. **Grammar** [BW16]. **Granularity** [LTB01]. **Graph** [AA21, Agu02, ARA20, BGK+98, Bur21, CS13, DWS15, GHJ+08, LZG+19, LGHB07, SKN10, TMW20, ZMD15, Aln94, AR96, BKT92, CL95, GS95, IR95, PB96, Pel93, RB93, Sch93, Sri96, SS92]. **Graph-Optimization** [ZMD15]. **Graphics** [AIL16, EW10]. **Graphs** [Ada09, AH98, ACM19a, BMFU18, CZ20, CJN99, CL13, CQS16, DMNP11, EMPF04, FVR20, GZL+20, HHH+99, KRS15, KQY21, LP98, LYW20, MMCW18, MWZ19, MST21, MV04, NTHK17, NP04, PND02, PPF12, QY20, WXW20, ZXLY20, Bar93, CLM93, CQS09, GP96, HP92, Hsu93, Kop96, LH95, PS93, RP93, Wol95, YDL94]. **Gravity** [GT00a]. **Gray** [Sto96, TM93]. **Greedy** [ST97]. **Grid** [BCMC+04, CFG04, GLMM+04, GK13, GM04, KW06, LLD+03, MHC+04, Pan97, SSK+18, SPA04, TTV00, Gri92, CFR09, CSFK08, Don07, FC05, HK03, HUZ06, Kru98, MJGR09, NKCS03, Pan03, TT05, Wol99, ZS08, ZTP+08, BKT92]. **Grid-Enabled** [SPA04]. **Grid-Enabling** [GM04]. **Grids** [ABG02, AVD01, BF02, CCCV04, DT01, Gam07, RS98b, WBUW14, BFG+08, EM98, HMA99, NDFM07, ZYPGD08]. **Group** [CDP+07, Vid06]. **Groups** [GT00b]. **Guarantees** [YWJ03]. **Guest** [Ano06f, Ano07f, Ano07g, Ano08h, Ano08f, Ano08g, Ano09f, FAMP12, JKRW08, JKRW09, TA09a, Ada15, Ano06g, DMVT14, DT11, DT13, DT15, GK17, GK14, HGH12, Qiu10, Sta12, WKRJ10, WKR11, WKR13, WKR14]. **Guided** [TFTY05].

H [LTB01]. **H2O** [KWDS03]. **Hadoop** [GS15]. **Half** [JS18, KRS93]. **half-duplex** [KRS93]. **Halos** [Bra00]. **Hamilton** [BDDP98, SŠZ04]. **Hamiltonian** [LL21, PND02, RB93, Wu00]. **Hamiltonicity** [HLH+17]. **Hand** [San03]. **Handling** [Cam08]. **Hard** [Kre97, Mak09, Sar92]. **Hardness** [BGK+06, Fla97]. **Hardware** [DTST15, Mar98, MAP+19, SW08, SSK+18, ROJ94]. **Harness** [MS01a, GKSP99]. **Harnessing** [IKMH09]. **Hash** [PFM+09]. **Hash-Based** [PFM+09]. **Haskell** [HBL03]. **Heap** [Wu00]. **heaps** [CC92, SSSM93]. **Helmholtz** [Sta95]. **Help** [Pan03]. **Here** [AKPSR16]. **Hereditary** [HHH+99]. **Heterogeneous** [ADKT12, BLMR03, BRT09, BDR+99,

CLR11, FZL+16, GGV12, GKSP99, GDDM17, HGH12, IDS+05, LMZ99, LN05, RBS15, VDL+15, DAB+11]. **Heuristic** [GS15, AS94]. **Heuristics** [FV99, SYL95]. **Hexagonal** [GVCS14]. **Hiding** [AD02]. **Hierarchical** [BGK00, CLZC11, GEBR+03, HA10, HGH12, Mic98, Wol95]. **Hierarchy** [Ada09, FDZ99, MPR18, NA10d, RRS12]. **High** [AFN11, EW10, EW11, GEL03, GBS+07, GS03, GDTF17, GK14, HM01, HL03, HGH12, Hin03, KB19, LCS+14, LY07, MG11, PAG08, PA99, PADB03, SHBG14, TSS+06, UVJ11, GC95, GV96, Sch97]. **High-Level** [GS03, GDTF17, HM01, HL03, HGH12, Hin03, SHBG14]. **High-Performance** [GK14, LCS+14]. **High-Productivity** [LY07]. **Higher** [HL00]. **Higher-Order** [HL00]. **Highly** [CLR11, RV98, Vid06]. **HirondML** [CRV08]. **HMC** [LC14]. **HMC-SIM** [LC14]. **Holes** [MCI+01]. **Homomorphic** [HT99]. **homomorphisms** [Col95, GDH96]. **Honeycomb** [BBBL04, CMS99, MLY99, YMZL04a, YMZL04b]. **Hop** [EFZ98]. **Hosted** [DJMN13]. **Hot** [ST97]. **Hot-Potato** [ST97]. **Hough** [Pan94]. **HPC** [CLT13, CLZC11, CLR11, FOCK15]. **HPCS** [LY07]. **HPF** [Bra00, Guo01]. **HPF-Like** [Guo01]. **Huffman** [KLN04, LP94]. **Hut** [BGLM05]. **Hybrid** [GKS08, KHAM04, LC14, SFHW11]. **Hybrid-Parallel** [SFHW11]. **Hyper** [CQS16]. **Hyper-Buttery** [CQS16]. **Hypercomputation** [GB12, Sta12, Syr13b]. **Hypercube** [IÖ98, KKS00, kLCL20, Nin20, RV98, WD03, ZXYY20, Ber92, RT92, RSS95, Wu95a, Man91]. **Hypercube-Like** [kLCL20]. **Hypercubes** [AH98, BBBL04, FPP98, HY18, KSAOK05, KMY97, RS98b, SV00, Ste12, WW19, YL10, ZXY21, ZZL+21, CF93, DGVG96, GP96, HK95b, KN92, Lat91, LS91, PPRZ93, Tel95, UN92, Zia95]. **hypercubic** [KP96]. **Hypergraphs** [BEGK00, KBGE07, LPL20]. **Hypermedia** [MRS04]. **Hypermeshes** [KKC98].

I-P [XU99]. **I/O** [Agu02, BKT95, Geo01, GKS08, LFC+10]. **ICGS** [Yan05]. **Identification** [NTV12]. **Idle** [IKMH09]. **II** [Ano04d, Cos03, Cos04]. **ILP** [Sol09a, TE04]. **Image** [Chu96, DEKS04, MTD98, VLR+03]. **Images** [MTD98, SPA04]. **Impact** [AP05, BL08, DPM+10, SKL10]. **imperfectly** [Xue96]. **Implement** [MMRT06]. **Implementation** [Ada07, AKP99, CF03, Dec21, Gav08, GB98, GBS+07, HKS01, KH02, LSF14, MMAL06, OTK15, Per21, SAJ10, YKLD14, AR95, GV96]. **Implementations** [CH03, HL02, Nit05, SCJ+10]. **Implementing** [CG98a, GHSJ94, KW19, MG11, PK08, BA95]. **implications** [DRS96]. **Importance** [Akl10, TB18, ZS08]. **Importance-Aware** [ZS08]. **Impossibility** [RS98a]. **Imprecise** [ZZL+21]. **Improve** [BNW07, GS15, Sol09a]. **Improved** [Gon09, JS06, JSYD07, LPP01, MV04, QM98, SCJ+10, Yan05, YDL91]. **Improvement** [CP98c, BK92]. **Improving** [CRY+03, IDS+05, MGBG07]. **Incomplete** [GCP99]. **Incompleteness** [AMN12]. **Incorporating** [NTG99]. **increase** [Dua94]. **Increasing** [ACK99, HW06]. **Incremental** [BEGK00, JJ96, Wu95b]. **incrementally** [Sri96]. **Independent** [BEGK00, CGW05, FS99, KBGE07, LF97, LZG+19]. **Independent-set** [CGW05]. **Index** [Ano98a, Ano99a, Ano00a, Ano01a, Ano02a, Ano03a, Ano04a, Ano05a, Ano06a, Ano07a, Ano08a, Ano09a, Ano10a, Ano11a, Ano12, Ano13, Ano14, Ano15, Ano16, Ano17, Ano18, Ano19, Ano20, Ano21, GZL+20]. **indexing** [BFCD94]. **Induced** [Ahn19a, RB13]. **Inducing** [Jon15]. **Inductive** [CCQ13]. **InfiniBand** [KLJ08]. **Influence** [KKFZ14]. **Information** [BKK94, GGH+04, NA07a, ZS08, FDFR93].

Infrastructure [BS01, LO09, NDFM07, OL11, TDS99]. **Inherently** [Akl06a, Akl06b, CT94]. **initialization** [HS93]. **Input** [GHF10, BF94]. **inputs** [BM95]. **Insensitive** [BE03]. **Insertion** [CmL21]. **Inspired** [ZMD15]. **Installation** [KHW05]. **Instruction** [Jes06]. **Instruction-Level** [Jes06]. **Instructions** [Ano98g]. **Instrumentation** [MCI+01]. **Integer** [BGPT00, CD99, EW10, EW11, Ger18, Pag13, BM95, GAL96b]. **Integrated** [MIJ16]. **Integrating** [CWR21, RR08]. **Integration** [HUZ06]. **Intel** [MIJ16, OTK15, Sol09b, ZHW09]. **Intelligence** [VMA11, YF18]. **Intelligent** [OLC+00, OKH+02]. **Intensive** [IDS+05, ZSLR21, Qia95]. **Interconnect** [AD02]. **Interconnection** [CS13, CQSY20a, GP03, JS18, Lav02, Qiu07, RvGG01, RV98, San03, AD92b, FK96, Fio93, GS94b, Wu96]. **Interconnects** [BK08]. **Interface** [DBK+09b]. **Intermediate** [BF02, GGL12]. **International** [DMVT14]. **Internet** [AGLS12, CSK00]. **Internet-Based** [AGLS12]. **Interpolants** [KW06]. **Interval** [AS19, MST21, AER93, Fla97, PB96]. **intractability** [AER94]. **Introduction** [Ano08h, GSS08]. **Intuitive** [Tor09]. **Inversion** [Rag98, DT96]. **Invocation** [TT05]. **Invocations** [RR08]. **Irregular** [Agr99, Bra00, CA99, RBS15, Trä09, WS03, CSBS95]. **Island** [MGBG07]. **Iso** [GGS+15]. **Iso-Quality** [GGS+15]. **Isolating** [BCS05]. **Isomigration** [ABNP00]. **Issue** [Akl11b, Akl14a, Ano06e, DMVT14, DT13, DT15, FAMP12, GK14, HL03, Sta12, WKR14]. **Issues** [BDR+99, CDP+07, KHAM04, Pan03]. **item** [SV93]. **Iteration** [FNP17, FV16]. **Iterations** [YS05a]. **Iterative** [CA99, CLR11, KM09].

Jacobi [BOV15, KSHL14, OV06, Sol09a]. **Janus** [Ger02]. **Java** [AGMM00, CSK00, Gam03, GPS03]. **Jini** [BS01]. **Job** [Aba04]. **jobs** [MSP95]. **Join** [BE03, BF94]. **joins** [TL91]. **Jordan** [RV96]. **Josephus** [LH02]. **JPVM** [LGCH99].

K-selection [Ber92]. **Karp** [DV95]. **Kautz** [DA93]. **kernel** [Gla93, HK03]. **Kernels** [KSHL14]. **Kerrighed** [VLR+03]. **Key** [NA07c, NA10b, NNA10]. **knapsack** [AQRW95]. **Kolmogorov** [Ada07]. **Kronecker** [MWZ19]. **Krylov** [GCP99].

L [ABB+03]. **L2** [AFN11]. **L2-Cache** [AFN11]. **Label** [AAH14, Bur21]. **LAM** [RšT06]. **LAM/MPI** [RšT06]. **Language** [BGJ10, Deb97, DGRD03, GL05, GKS08, Guo01, HL00, HHOM02, LY07, Sch05]. **Languages** [LY07, ROJ94]. **LAPACK** [MCR+17]. **Large** [BCQO99, BK09, CLT13, CC17, EADN06, GJQ09, HSL09, JKRW08, JKRW09, KHW05, LF14, LO09, Man91, NA05, OL11, WKRJ10, WKR11, WKR13, WKR14, WJ16, WGM+10, YKLD14, Yan05, ZS08, BHQ92, CFG94, HP92]. **Large-Scale** [CLT13, GJQ09, HSL09, JKRW08, KHW05, LO09, OL11, WKRJ10, WKR11, WKR13, WKR14, WGM+10, ZS08]. **largest** [OSW93]. **last** [Tro93]. **Latency** [AD02, AFN11, Jes93, SW08]. **Latent** [KY06]. **Lattice** [PKW+03, ZHW09, DM96, OTK15]. **lattice-based** [DM96]. **Lattices** [KLW10]. **Laws** [CWR21]. **Layer** [GHS97]. **Layered** [MDAT17]. **Layout** [EFZ98, KKKL18]. **Layouts** [DLP03, BKT95]. **Lazy** [HHL+07]. **Leader** [DDLV17, MR01, SM20, AJ96]. **Leader-Based** [MR01]. **Leadership** [MMRT06]. **Leaf** [WXW20]. **Leaf-Sort** [WXW20]. **Leaping** [HUZ06]. **Learning** [BCBB09, CmL19a, HlMD21, HL98b, KKFZ14, YF18, ZJSY20]. **Learning-Based** [ZJSY20]. **least** [LP94]. **Legacy** [Gam07]. **Legality** [BF05]. **Lemma** [JS18]. **Length**

[HoHqZS20, KLN04, KN06, Kop96]. **Length-Limited** [KLN04]. **Length-Restricted** [KN06]. **Level** [EADN06, GS03, GDTF17, GGL12, HM01, HL03, HGH12, Hin03, Jes06, PAG08, SHBG14, TSS+06, UVJ11, Gla93]. **Leveraging** [WHTW10]. **Libraries** [CG01, Kru08, Mer15, TDS99]. **Library** [BGL03, Bra00, KH02, SHBG14, TSS+06]. **Lifting** [Nit02]. **Lightweight** [YKLD14]. **Like** [Guo01, kLCL20, CWR21, LV96]. **Limitations** [BW16]. **Limited** [CE98, KLN04]. **Line** [CGS15, MBT15, Kri91]. **Linear** [AA21, BRT09, BW16, DKR91, ER99, GGHJ04, LPL20, RRM15, Sol09b, Tel95, TX98, Yan05, BE96, Gal96a, GMR92, HT94, MMMS94, Myo92, Oks95, Sto96, SJL94, TM93]. **Linearizability** [CBC03]. **Linearizable** [FNP17, MNR96]. **Linearly** [MCCW15]. **Link** [MS99]. **Linked** [WJ12, DH94]. **Links** [GLMM06]. **Linux** [RšT06]. **List** [HHL+07, Sib02, WJ12, Alb92, Col95, DH94, KY96]. **List-Based** [HHL+07]. **Listing** [VP98]. **literal** [KCH92]. **Little** [Ahn19b, VDL+15]. **Live** [VRR20]. **LLC** [DGRD03]. **Load** [CWR21, CLR11, CLZ92, DLP03, EFZ98, EMPF04, GC06, GT00b, KMAG01, MRRV07, ST14, VH00, XL94]. **Load-Balanced** [ST14]. **Load-Balancing** [MRRV07, VH00]. **Loads** [Rob11]. **Local** [CC17, LMT10, MM16, NTV12, ZXY20]. **Local-Edge-Connectivity** [ZXY20]. **Locality** [LTB01, VH00]. **Locality-Preserving** [VH00]. **Locating** [Nag09, PPF12]. **Location** [DFRC01, SMK98]. **Lock** [APSF01]. **Log** [Bur21]. **Logarithm** [CLL16]. **Logarithmic** [SM20, OSW93]. **Logging** [Ahn19b]. **Logic** [FGK15, MMT17, CDZ96, KCH92]. **Logical** [APSF01]. **logP** [SV93]. **logspace** [Sar92]. **Long** [CmL21]. **Long-Term** [CmL21]. **Longest** [ACK99, Per21]. **look** [BOSW94]. **Loop** [AL05, AGMM00, DSV97, HLJ97, RDK00, TFTY05, Xue97, AS94, GS94a, HT94, ROJ94]. **loop-based** [ROJ94]. **Loops** [LSW97, BFCD94, BL92, CRF95, DV97, PPRZ93, Xue96, van94, GL94]. **loosely** [CF91]. **Losses** [KE00]. **Low** [BAS96b, GGL12, HTHH05, LBD+14, LSF14, PT07, TB18, BKT92, DDT95, DGJS95]. **low-cost** [DGJS95]. **Low-Density** [PT07]. **Low-Level** [GGL12]. **Lower** [HT21, CL93, Gal96a, Kop96, Mac93, RLG91]. **LRU** [CmL21]. **LSTM** [Dec21]. **LU** [DDT95, GCP99, PBKP92]. **Lyapunov** [BCQO99, CHQ96]. **LZ** [De 04].

M [Ram94]. **Mach** [LBD+14]. **Machine** [Ada07, CmL19a, GKSP99, HlMD21, OII12, Ram94]. **Machines** [BK09, BNW07, Pag13, Gri92, NvG95, SMS95, TB94]. **Macro** [ADKT12, DDT17]. **Made** [Sax20]. **Maekawa** [BK92]. **Maintaining** [AS19, ADG91]. **Maintenance** [DGB10, FL96]. **make** [BK92]. **Makespan** [AB16]. **Malicious** [AGLS12]. **Malleable** [VD03]. **Management** [CFR09, HMA99, Jes08, NDFM07, SMK98, SYR13a, JD92]. **Managing** [ARA20, DJMN13]. **Manipulating** [QRR97]. **manipulation** [Sah95]. **manuscripts** [Ano98g]. **Many** [AFN11, Jes08, KBGE07, MCCW15, UVJ11, MIJ16]. **Many-Core** [AFN11, Jes08, UVJ11]. **Map** [TH13]. **Map-Reduce** [TH13]. **Mapped** [FVR20]. **Mapping** [AB08, BLY+08, BRT09, BK08, CLZC11, EB98, UN92, GL94, GS95, HL96]. **Mappings** [BMRGR13, LF97, DDR96, KP94]. **MapReduce** [THAJ15]. **mark** [KCH92]. **Marrella** [AR96]. **Massive** [MAP+19]. **Massively** [BCL97, FUV99, LFC+10, SBR+17, CLZ92]. **Master** [AGLS12, MRRV07, SB12]. **Master-Slave** [MRRV07, SB12]. **Master-Worker** [AGLS12]. **matched** [VLL+91]. **Matching**

[AMC18, BGK+98, BMFU18, CP12, CL13, CLM+16, Hsu93, HT99, MMCW18, MS01b, Raj02, XUZ02, ZXLY20, ZZZY21, ZMZZ20, ZMZZ21, Chu96, Hag95, YDL91]. **Materialized** [JL05]. **Mathematical** [Per21, Sza12, Vio94]. **Matrices** [Jai99, DT96, RV96]. **Matrix** [ACCLS14, Box09, FV16, Fuj08, GZW16, HT98, LSF14, SFHW11, SAJ10, WJ16, Lin92, MP93]. **Matrix-Vector** [Fuj08, GZW16, SFHW11]. **max** [CC92, BCD95]. **Maximal** [BBF05, BEGK00, CLM+16, FS99, GGHJ04, KBGE07, MB98, NTHK17, ZXY20, YDL91]. **Maximum** [HC02, Hag92, PD95]. **MCMC** [ZN13]. **MD** [HTHH05]. **Measured** [HRH18]. **Mechanism** [CFM+99, GC06]. **Mechanisms** [JSYD07, Jon15, Pel06, VH00]. **Median** [Nag09]. **Mediator** [JL05]. **Medical** [MTD98, SPA04]. **MEDINA** [SBR+17]. **Medium** [TW01, VDL+15]. **Meertens** [CS95]. **memories** [VLL+91]. **Memory** [AL05, ABO06, BF97, BCS05, Cho98, CA99, DDLV17, FDZ99, GRS07, GPS03, GHF10, GKS08, GS97, HKS01, HK16, IT02, KE00, LPP01, LC14, LM00, OLC+00, OKH+02, Pag13, RRS12, SKL10, SWK+13, VH00, VH01, VP96, WR97, Yai08, CHQ96, DJM91, DGJS95, FFSY93, GHSJ94, HS93, JD92, MNR96, NvG95, PPRZ93, Sah95]. **Memristors** [FVR20]. **Merge** [ST14]. **Mesh** [AG98, BK08, DDS17, EWM04, HT98, KCPP00, MB98, Ran05, San03, ST97, Tan09, Chl92, CR95, Fra93b, FY93, HS96, HP92, KY96, Kri91, KN95, Mac95, MB95, SC96, XL94, JS06, LJ10]. **mesh-bus** [FY93, HS96]. **mesh-connected** [Chl92, Kri91]. **Meshe** [ZJ09]. **Meshes** [CQS11, FV99, PS98, YMZL04a, Bar93, BA95, BAS96a, BOSZ92, BOSW94, CM95, CL93, CH94, Chu96, KSS95, KRS93, KW92, LOSZ93, Nak95b, Sue95, WV95]. **Message** [Ahn19b, AP05, CA99, Her05, PA99, TW01, Yai08, BNKS93, BAS96b, BH93, PBKP92]. **Message-Buffer** [AP05]. **Message-Passing** [Her05, BNKS93, BH93]. **Messages** [KW19]. **Messy** [HL98a]. **Metacomputing** [Gam03, GL05, LFJ99, MS01a]. **Metadata** [KBFB01, ZYPGD08]. **Metaheuristics** [AIL16]. **Method** [AH00a, AH00b, CBV+05, CSK00, LG97, OK20, Pur06, TFTY05, Tan09, Yan05, DRS96, Sta95, XL94, OTK15]. **Methodologies** [GJQ09]. **methodology** [PRS95]. **Methods** [FAMP12, GCP99, KB05]. **Metric** [Fox13]. **Metrics** [DPM+10, DGT98]. **MIC** [MIJ16]. **microprocessors** [DGJS95]. **Microscopy** [BCMC+04]. **Microthreading** [Jes06]. **Middleware** [JSYD07, SS13]. **Migratable** [VD03]. **Migrating** [GM03]. **Migration** [CCR11, RB13]. **Migration-Induced** [RB13]. **Migrations** [CRV08]. **Miller** [DV95]. **Millions** [BBG+11]. **MIMD** [DDTV92, MMMS94]. **min** [CC92, BCD95]. **min-max** [CC92]. **Minimal** [DWS15, DVWZ99, HRH18, BH96, Oks95, SC96]. **Minimizing** [HL99, Hua06]. **Minimum** [AA21, DF99, DW07a, LP98, BM95, FL96, Zar97]. **Mining** [TH13, THAJ15]. **Minla** [Pet03]. **Misses** [RB13]. **Mixed** [BLMR03]. **ML** [Gav08]. **Mobile** [HT21, PMW+12, SMK98]. **Mobility** [CLH13, DTL05]. **Mock** [Sui17]. **mode** [Alb91]. **Model** [Agu02, Ald03, BVHR13, BNW07, CGW05, Deb97, DTST15, GZW16, GS99, GKS08, Guo01, GMCC05, Jes06, Jon15, KSAOK05, KSOK07, KSHL14, LL21, MGBG07, MIJ16, MDAT17, Ran05, RvW98, WR97, AD92a, DH94, GAL96b, GDC94, Mac93, SV93, WY92, Sch09]. **Model-Based** [Deb97, BNW07]. **Modeling** [BKW98, CP98a, DBK09a, KHW05, KB11, KE00, LDC08, ZSLC18]. **Modelling** [DJM91, HK16, NA05]. **Models** [BSM+16, BA01, JW07, KHAM04, TBV98, XLP12, Fra93a, GS94b, Mac95]. **Modified** [GS15]. **Modular**

[EW13, Gav08, LF97, DDR96]. **modulo** [BFCD94]. **Monitoring** [DBK+09b, GGV12, GKK14, RGM06, AD92a]. **monoid** [CC93]. **Monte** [HUZ06, MHC+04]. **Morphogenesis** [Mac12]. **morphological** [DJM91]. **Most** [VSS00]. **Moves** [MG09]. **MPI** [BBG+11, BIC05, CGS15, DBK+09b, FC05, GB98, GBS+07, LNLE00, Ran05, RšT06]. **MPI-FT** [LNLE00]. **MPICH** [RšT06]. **MR** [TH13]. **MR-ARM** [TH13]. **Multi** [AAH14, DDS17, DZ13, GZW16, LSW97, Len92, MGBG07, MKA98, OII12, RvGG01, SKL10, Sol09a, Sol09b, SHBG14, BH93, CL93, DGJS95, DAB+11, MSP95, TL91, ZN13]. **multi-chain** [ZN13]. **Multi-Core** [DZ13, SKL10, Sol09a, Sol09b, DAB+11]. **Multi-Dimensional** [LSW97, CL93]. **Multi-Disk** [DZ13]. **Multi-GPU** [GZW16, SHBG14]. **multi-joins** [TL91]. **Multi-Label** [AAH14]. **Multi-Mesh** [DDS17]. **multi-microprocessors** [DGJS95]. **Multi-Objective** [MGBG07]. **Multi-Organization** [OII12]. **Multi-Plate** [MKA98]. **multi-port** [BH93]. **multi-proposal** [ZN13]. **Multi-rate** [Len92]. **Multi-Stage** [RvGG01]. **multi-task** [MSP95]. **Multicast** [BF02, SV00, Dua93, YTL92]. **Multicomputers** [WD03, DDTV92, KY96, LH95, YTL92]. **Multicore** [ACCLS14, GR11, RRS12, SFHW11, WHTW10]. **Multicore-Based** [SFHW11]. **Multicores** [Ger18, GDDM17]. **Multidimensional** [FKB+99, WV95]. **multifolded** [Zia95]. **Multigrid** [HCD+19, SSK+18]. **Multiple** [DPM+10, DHBL06, EW11, EW13, FZL+16, San03, TLH11, Wu98, BOSZ92, BOSW94, SV93]. **Multiple-Bus** [Wu98]. **multiple-item** [SV93]. **multiplexed** [AD92b]. **Multiplication** [ACCLS14, Box09, EW10, EW11, Fuj08, GZW16, SFHW11, WJ16, DS97, Lin92]. **multiplicity** [DA93]. **Multipoint** [BBF05]. **multipole** [DRS96, Sta95]. **Multiprecision** [EW13]. **multiprocessing** [SYL95]. **Multiprocessor** [AKP99, BGK00, BDG97, CSBS95, EADN06, KMAG01, LZC+21, Mak09, MMMT12, MM16, RB13, TKE+08, Tho03, VKS99, CHQ96, Gri92, MSP95]. **Multiprocessors** [PP97, Trä09, VH00, VH01, ZJ09, Ber92, DDT95, GHSJ94, PBKP92, VP96]. **Multiprogrammed** [Vas03]. **Multisearch** [Jai99]. **Multitasking** [RR08]. **Multithreaded** [AKP99, CmL19a, CmL19b, CGK06, KMAG01, RBAA05, WJ12, YWJ03]. **Multithreading** [KET06, SW08, SLG04]. **Mutual** [IN99, KM02, KY06, Vid06, BK92, CM96]. **mutual-exclusion** [CM96]. **Myrinet** [Geo01, TW01]. **Myth** [Akl06c, GB12].

n [SF91, Fra93b, TM93]. **N-ary** [TM93]. **N-processor** [Fra93b]. **Nash** [DM12]. **Native** [WJ16]. **Natural** [DMVT14]. **NC** [Hag95, Sar92, SW93, VSS00, dGP92]. **NC-algorithms** [SW93]. **Near** [Kre97]. **Nearest** [Sax20]. **Nearly** [HL98b, DKR91]. **NEC** [ZHW09]. **Necessity** [BA01]. **Need** [SLG04]. **Negotiation** [LLD+03]. **Nehalem** [BDH+08, ZHW09]. **Neighbor** [LZC+21]. **Neighborhood** [DW07a, JADT02, LMT10]. **Neighbourhood** [FPP98, Qiu07]. **Nested** [HA10, RDK00, BFCD94, DV97, HT94, PPRZ93, Xue96]. **Nesterov** [OK20]. **Net** [ESSP01, ZTS+16, GSS08]. **Net-Console** [ESSP01]. **Nets** [HPP06]. **Network** [Ahn19a, BB09, BLY+08, BR19, BDDP98, BK09, BLL12, CLH13, DWH+06, DM12, GPP09, HSL09, JSYD07, KW19, Lav02, LDC08, LZS+18, MT16, MMAL06, MBT15, PMW+12, RJ21, Res97, SBR+17, VAP94, XLP12, Aln94, AD92b, FU92, GMR92, GC95, GS94b, MB95, Par92, Sri96, Wol99]. **Network-based** [Ahn19a].

Network-On-Chip [BLY+08]. **Networks** [AS19, AKPSR16, ACM19b, BD02, BBBL04, BGK+06, CKP00, CMS99, CC11, CM97, CDM+03, CS13, CQS16, CQSY20a, CC17, CLM+16, DDT99, DGB10, DR00, DPS00, DVWZ99, EFZ98, Far98, FVR20, FAMP12, GKMP05, GP03, HL99, HY19, HLJ97, JS18, JADT02, Jon15, KSOK07, Kme14, LG97, LLC11, kLCL20, LL21, LZY18, Mal97, MTD98, MCCW15, MV08a, NTV12, PV99, PV00, Qiu07, RvGG01, RV98, RV09, RDK00, Rob11, San03, SB15, SZH14, SŠZ04, Tur10, VRR20, WS03, ZKmST18, ZSLR21, ZMZZ20, ZMZZ21, ZTP+08, ABIM93, BA91, BHQ92, CC93, DA93, Dua92, Dua94, FP93, FK96, FFSY93, Fio93, HS96, KP96, Man91, Pel92, Pel95, Sie96, Sin96, SF91, Wu96, XL94]. **Neural** [Kme14, MTD98, RJ21, Sie96]. **Newton** [FV16]. **Next** [Sch09]. **NIL** [Sie96]. **NOC** [BLY+08]. **Node** [GEL03, MLY99]. **Nodes** [Dev05, DBK+09b, KMY97, Wu95a]. **Noise** [HSL09, MAP+19]. **Non** [Fox13, PT07, SPA04, ZJ09]. **Non-Asymptotic** [PT07]. **Non-Rigid** [SPA04]. **Non-uniform** [ZJ09]. **Nondeterminism** [Kra01]. **nondeterministic** [Vir93]. **Nonlinear** [Akl03]. **Nonnegative** [FV16]. **NOR** [SX02]. **NOR-Circuits** [SX02]. **normal** [RV96]. **Normality** [GR99]. **Note** [Ada15, Akl11a, Akl11b, Akl12d, Akl12a, Akl12b, Akl12c, Akl13a, Akl13b, Akl13c, Akl13d, Akl14a, Akl14d, Akl14b, Akl14c, Akl15a, Akl15b, Akl15c, Akl15d, Akl16a, Akl16b, Akl16c, Akl16d, Akl17a, Akl17b, Ano97a, Ano97b, Ano97c, Ano98b, Ano98c, Ano98d, Ano98e, Ano98f, Ano99b, Ano99c, Ano99d, Ano00b, Ano00c, Ano01b, Ano01c, Ano02b, Ano02c, Ano03b, Ano04b, Ano04c, Ano04d, Ano05b, Ano05c, Ano06e, Ano06b, Ano06c, Ano06d, Ano06g, Ano06f, Ano07b, Ano07c, Ano07d, Ano07e, Ano07f, Ano07g, Ano08b, Ano08c, Ano08d, Ano08e, Ano08f, Ano08g, Ano09b, Ano09c, Ano09d, Ano09e, Ano09f, Ano10b, Ano10c, Ano10d, Ano10e, Ano11b, Ano11c, ACM19b, AKP99, BBL04, BET04, CD99, CBC03, CE98, Cos93, Cos95, Cos96a, Cos96b, Cos97, Cos99, Cos00, Cos01, Cos03, Cos04, DMVT14, DFRC01]. **Note** [DT11, DT13, DT15, FAMP12, GK17, GK14, HGH12, JKRW08, JKRW09, KBH03, LZG+19, Qiu10, Sta12, TA09a, WW19, WKRJ10, WKR11, WKR13, WKR14, YS05b, ZXLY20, CQS09, Kri91]. **Notifications** [LLD+03]. **Novel** [CC93, GZW16, Mar98]. **NP** [CCQ13, Sch09]. **NP-Complete** [Sch09]. **NTT** [MCDB12]. **NTT-Based** [MCDB12]. **NUMA** [ACCLS14]. **NUMA-Aware** [ACCLS14]. **Number** [KOKM14, LZG+19, DS97, RB93, Wu95a]. **numbers** [Fra93b]. **Numerical** [KB11, MV08b].

O [Agu02, BKT95, Geo01, GKS08, LFC+10, SF91]. **Object** [BCL97, FKB+99, MPR18, Qui00, Wan93]. **Object-Oriented** [BCL97, Qui00]. **Object-Relational** [FKB+99]. **Objective** [MGBG07, CF03, CRV08]. **Objects** [GR99]. **Observation** [CFM+99]. **Observing** [DPM+10]. **OCaml** [BCL12]. **OcamlP3L** [DLPW08]. **October** [BET04]. **octrees** [SJL94]. **Off** [CGS15, Geo01, IR16, Kri91, LP94]. **Off-Line** [CGS15, Kri91]. **Off-Processor** [Geo01]. **Offering** [XLP12]. **Offs** [DLP03]. **old** [RR91]. **Omega** [Fio93]. **OmpSs** [DAB+11]. **On-Chip** [CmL19a]. **One** [BIW11, BOV15, FV99, LMS98, NA10c, Pan97, Sib02, Sol09a, DDR96, KN95]. **One-Dimensional** [Sib02]. **One-Phase** [LMS98]. **One-Sided** [Sol09a]. **One-Step** [BIW11]. **One-Time** [NA10c]. **One-To-All** [FV99]. **one-to-one** [DDR96]. **One-Way** [Pan97]. **Online** [BMFU18, GKK14, PLR+95, dSJR+15]. **Onto** [BRT09, LH95, van94]. **Ontology**

[Sza12]. **Opacity** [Hea07]. **open** [IR95, GBS+07]. **OpenCL** [GDDM17, OTK15]. **OpenMP** [Car07, HA10, Mar03, Per21, Ran05, RBAA05]. **Operating** [Jes08, MJGR09, OKH+02, VLR+03]. **Operational** [HHOM02, RGM06]. **Operations** [Agu02, BIC05, Cho98, FNP17, Nit05, Trä09, BH93, CH96, SW93, TB94, RGM06]. **OPIOM** [Geo01]. **Optical** [AD02, CKP00, CC11, ER99, HQP98, KM02, LTZ98, PSSV02, QM98, RS97, AD92b, BAS96b, Qia95]. **Optimal** [AA21, BBL04, BBBL04, BH96, De 04, DWH+06, DV02, Dol98, EMPF04, FY93, GW94, HL98b, HT99, IK96, IÖ98, JADT02, KR98, KN06, Kme14, Kre97, KN92, Kru98, MS99, Mic98, NF06, RS98b, Sib02, SŠ03, Tur10, WSK16, XUZ02, XL94, YL10, dGP92, AS92, BNKS93, CC95, DKR91, JR96, LM97, NR95, PB96, Per94]. **Optimality** [BGK03, PV99, PV00, Sch93]. **Optimally** [Far98]. **optimistic** [MNR96]. **Optimization** [AB99, AB16, BKW98, CmL19b, DHBL06, GZW16, KSHL14, PKW+03, WJ12, XX20, YGM97, ZMD15, KS96]. **Optimizations** [GGL12, HZW08, KLJ08, KET06]. **Optimizing** [CSFK08, GKS+14, LSW97, MIJ16, ZSLR21]. **optimum** [GS94a]. **Opus** [LMZ99]. **Order** [AA21, Had08, HL00, Nov20, Pag13, Mac93, VAP94]. **order-preserving** [Mac93]. **ordered** [FDFR93, LH95]. **Orderings** [BOV15]. **orders** [AER93]. **Organization** [ABB+03, OII12, RGM06]. **Organization-Specific** [RGM06]. **Organizing** [KWDS03]. **Oriented** [APSF01, BCL97, Qui00]. **ORNL** [DBK09a]. **OROW** [NR95]. **OROW-PRAM** [NR95]. **Orthogonal** [TTV00]. **OTIS** [JS06, LJ10]. **OTIS-Mesh** [JS06, LJ10]. **Out-of-Card** [WJ16]. **out-of-order** [VAP94]. **Output** [MAP+19]. **Over-Subscribed** [RB13]. **Overcome** [SW08]. **Overhead** [Ahn19b, HRH18, MS05, BKT92, DDT95]. **Overlap** [SFHW11]. **Overlay** [MV08a, PFM+09]. **Overview** [ABB+03]. **Owned** [Aba04].

P [LTB01, BCD95, CCQ13, Gre93, XU99]. **P-complete** [BCD95, Gre93]. **P2P** [ZTP+08]. **Packet** [SBR+17, BHQ92]. **Pads** [NA10c]. **Page** [OLC+00]. **Page-Based** [OLC+00]. **Pair** [Kru98]. **Pairs** [VSS00]. **pairwise** [Par92]. **Pancake** [Lav02]. **Paper** [Syr13b]. **Papers** [Ano04d, BET04, Cos03, Cos04, KBH03, Nak95a]. **Paradigm** [SS13, LOSZ94]. **Parallel** [Agu02, AL05, AB99, Akl03, Akl06a, Akl06b, APY06, ARA20, ABNP00, ACK99, BS01, BE03, BGK+98, BVHR13, BOV15, BCQO99, BK09, BGK03, BGL03, BMSW04, BCL97, Box21, Bra00, BDG97, BNW07, BA01, BW16, BKW98, CBV+05, CC92, CG01, CD99, CG98a, CJN99, CS03, CLR11, CC17, Col95, CG97, CFL12, CG98b, DDS17, DZ13, DMS99, DLPW08, DFRC01, DHBL06, DGRD03, EADN06, ESSP01, FUV99, FG02, FV16, FGK15, FR96, FAH03, GLMM06, GR11, Gam03, GZW16, GGV12, GV03, Gav08, GRS07, Ger02, GCP99, GB98, GHS97, GS03, GKS08, Guo01, GS97, GK03, GMCC05, HPP06, HM01, HL03, HGH12, HlMD21, HC02, HPP99, HHOM02, Hin03, HRH18, HHH+99, Hua06, IT02, IDS+05, JW07, Jai99, JS15, JS06, JD92, JKRW08, JKRW09, Jon15, KR98, KB19, KBFB01, KB11]. **Parallel** [KBGE07, KW06, LSW97, LMZ99, LCK02, LMS98, LPP01, LFC+10, LTB01, LSF14, LGHB07, MCDB12, MGBG07, MKA98, MTD98, MAP+19, MS01a, MS01b, NF06, NA05, NP04, Nit02, OK20, OV06, OII12, OKH+02, Pag13, PND02, PAG08, Per21, PD95, Pet03, PK04, PA99, PKW+03, PPV12, PRH+03, PT98, Rag98, Raj02, RJ21,

Res97, RBS15, RRS12, ST12, SFHW11, SX02, ST14, Sui17, SZJK11, SJL94, TTV00, Tan09, THAJ15, Tho03, TMKS16, TX98, VD03, VP98, VMA11, Vas03, Wan93, WKRJ10, WKR11, WKR13, WKR14, WHTW10, Wu95b, XX20, Yan05, ZN13, ZSLC18, ZLL04, ADS91, Alb91, AD92a, AD92b, BM95, BIL92, BH96, CDSS93, CU96, CLM93, CDZ96, CH96, CLZ92, CF95, CF91, DS97, DM96, Dor92, FL96, GI94, GS94a, GMR92, GS94b, GV96, GS95, HK95a]. **parallel** [Hsu93, IR95, IK96, JR96, KDK+93, KESH95, LV96, LP94, LM97, NRP+94, O'D94, OW92, PB96, PPRZ93, RP93, RV96, SBP94, Sta95, SF91, SMS95, TL91, TM93, Vio94, Wu96, XWF93, Zar97, Zia95, TB94]. **Parallel-Based** [ARA20]. **Parallel/Distributed** [NA05]. **Parallelism** [BLMR03, BGLM05, Cam08, GDH96, GDTF17, Mar03, Mar98, MG11, NA07a, PP01, RBAA05, Vas03, GDC94, KCH92, WY92]. **Parallelization** [AH00a, AH00b, Ano94, AGMM00, CJ01, DSV97, EB98, HA10, HTHH05, KE06, MHC+04, MMT17, Mas99, MMAL06, TA09b, AS94, BL92]. **Parallelizing** [Car07, DV97, HW06, NA10a, RvW98]. **parameter** [Wue09]. **parameters** [XL94]. **Parasites** [SZH14]. **PARBS** [Fra93a]. **Parentheses** [VP98, XUZ02]. **Parenthesis** [Tsa04]. **Parity** [PT07, GM92]. **PARM** [DF99]. **Parssse** [SZJK11]. **Part** [Ano04c, Ano04d, BET04, CP98a, CP98b, Cos03, Cos04, KBH03]. **Partial** [FV99, Her05, OK20, SMH03]. **partially** [LH95]. **Particles** [MG09]. **Partition** [NTHK17, GI94, Gal96a, JR96, RP93]. **partitionable** [KN92]. **Partitioned** [LFC+10]. **Partitioning** [PFM+09, BF94, CR95, GS95, NM96, XWF93]. **Partitions** [HHKM13]. **Passing** [CA99, Her05, Yai08, BNKS93, BH93, PBKP92]. **Path** [AA21, BSM+16, DLP03, EFZ98, FVR20, MS99, TFTY05, Wu00, YMZL04a, YMZL04b, RR91]. **Paths** [VSS00, DA93, LM97, TH94]. **Patience** [NF06]. **Pattern** [MS01b]. **Patterns** [CmL21, FG02]. **PDEs** [Gri92]. **Peak** [GGV12]. **Peer** [CDPT10, GEBR+03, PFM+09, TT05]. **Peer-To-Peer** [CDPT10, GEBR+03, PFM+09, TT05]. **Pentagrid** [MS09]. **Perfect** [BGK+98, VRR20, RP93]. **Perfectly** [ST14]. **Performance** [ARA20, ABG02, AP05, BDH+08, BMRGR13, DBK09a, DDT95, DBK+09b, FDZ99, GR11, GV03, GEL03, GKK14, GBS+07, GKS+14, GK14, KS97, KB19, KB05, KHW05, KB11, KBG+13, KSAOK05, KSOK07, KE00, KSHL14, LGCH99, LDC08, LCS+14, MSP95, MS05, MGBG07, MMAL06, MG11, Mer15, MMJ+03, OTK15, PA99, PADB03, PKW+03, PBKP92, RvGG01, RšT06, SKL10, Sch97, SS05, Sol09a, Sol09b, SAJ10, Tho03, TW01, WJ16, WGM+10, YTL92, YWJ03, Zav01, ABIM93, GC95, GV96, KS96, KP94]. **Performing** [GGL12]. **Periodic** [KW92, TE04]. **Permutation** [Box09, CJN99, HLJ97, PSSV02, Sue95, CL93, HK95a, Kri91]. **Permutations** [Pan97, AS92]. **Perpetual** [LR93]. **Petri** [HPP06]. **Phase** [Chi03, LMS98]. **Phenomena** [BLL12]. **Phi** [OTK15]. **philosophers** [Per94]. **Photocomputing** [Hea07]. **Physarum** [Ada09, DTST15, Jon15, ZMD15, Ada07]. **Physarum}-Inspired** [ZMD15]. **Physical** [HTHH05, Kop96]. **Physicalist** [Sza12]. **Physics** [Mac12, MIJ16, Sta12]. **pipeline** [DT96]. **Pipelined** [HQP98, GW94, WV95]. **Pipelines** [GGV12]. **Pipelining** [BE03, CC93, DGVG96]. **Pitfalls** [HK16]. **Placement** [GKMP05, MG09]. **Planar** [BGK+98, DFRC01, TTV00]. **Plane** [ACK99]. **Plasmodium** [Ada09]. **Plate** [MKA98]. **Platform** [SBR+17, LO93].

Platforms [BRT09, BDR+99, CLR11, CSFK08, DZ13, FZL+16, MRRV07, SB12]. **Player** [DM12]. **Playground** [MJGR09]. **Playing** [MCI+01]. **Point** [DFRC01, GBS+07, MCR+17]. **Point-to-Point** [GBS+07]. **Pointer** [CP98c]. **Poisson** [Gla93]. **Polaris** [PP97]. **Policy** [Aba04]. **Polly** [GGL12]. **polycephalum}** [DTST15, Jon15, Ada09]. **Polygon** [MS99, BOSZ92]. **Polyhedra** [QRR97]. **Polyhedral** [GGL12, WR97]. **polynomial** [AER93]. **polynomials** [Hsu93]. **Popular** [CS13]. **Population** [SM20]. **Port** [LF14, BH93]. **Portability** [Zav01]. **Portable** [CF03, LNLE00]. **Portal** [WLW11]. **Position** [Syr13b]. **Positive** [TX98]. **Possibility** [HT21]. **postal** [Mac93]. **Potato** [ST97]. **Potential** [BCMC+04]. **Potts** [GMCC05]. **Power** [DDT17, HQP98, IKMH09, Mak09, CF91, OSZ91]. **Power-Aware** [DDT17]. **Power-Share** [Mak09]. **PowerPack** [LCS+14]. **powers** [Fra93a]. **Practical** [DMNP11, LO93]. **Practice** [DMVT14]. **Practices** [TB18]. **PRAM** [AJ96, DH94, De 04, Fra93a, GS94b, HS93, HS97, Lin92, NR95]. **PRAMs** [BKK94]. **PRAS** [KDK+93]. **precedence** [UN92]. **Precision** [EW10, EW11]. **Preclusion** [AMC18, CP12, CL13, MMCW18, ZXLY20, ZZZY21, ZMZZ20, ZMZZ21]. **Preconditioned** [OV06]. **Preconditioner** [GCP99]. **Preconditioners** [HCD+19]. **Predicated** [SMH03]. **Predictability** [BGK03]. **Predicting** [Wol99]. **Prediction** [ABG02, DBK09a, Di 00, FDZ99, JSYD07, KS97, MV08b, dSJR+15, KS96]. **Predictions** [BNW07]. **Predictive** [KHW05]. **Preemption** [CE98, RS98a]. **Preemptive** [Aba04]. **Preface** [Ano05d, CQSY20b, DT01, DT03, HM01, HL03]. **Prefix** [CDPT10, DDS17, JS06, Nak95b, WJ12, WS03, SBP94]. **Prefix-sums** [Nak95b]. **PRES** [BSM+16]. **Presence** [AGLS12, DR00, GPP09, RS98a]. **Preserving** [VH00, Mac93]. **Preventive** [CCR11]. **Price** [GLMM06, OII12]. **primitives** [AR95]. **Prior** [NA10c]. **Prioritization** [CmL21]. **priority** [CH96]. **Probabilistic** [EADN06]. **Problem** [BGK00, BBF05, CCQ13, CCCV04, CLL16, CGW05, EFZ98, FS99, HKS01, KU09, LMS98, NA10d, Pet03, SSSM93, Sch09, TFTY05, VSS00, YMZL04a, YMZL04b, AQRW95, BA95, DR94, GI94, Gal96a, JR96, LP94, OSW93, Per94, RP93, RR91, SF91, TH94, Wan96, Zar97]. **Problems** [ACK99, AB16, CA99, GK03, Kme14, Kre97, MS99, MKA98, PP01, SX02, ZMD15, BM95, BOSZ92, Man91, Myo92]. **Process** [AB08, DPM+10, IN99, RDK00, Sin96]. **Processes** [GM03, KKFZ14, Vir93]. **Processing** [AIL16, ATM01, BCL12, BKW98, EW10, GSS08, JKRW08, JKRW09, LGHB07, Mak09, MKA98, MTD98, NA07a, WKRJ10, WKR11, WKR13, WKR14, AD92a, TL91]. **Processor** [BDH+08, Geo01, GT00b, HW06, LTZ98, SW08, SS05, SAJ10, XUZ02, CC93, Fra93b, GW94, Kri91, LJ95, OSZ91, PPRZ93, PS93, RR91, SC96, YDL94]. **processor-time-minimal** [SC96]. **Processors** [BGPT00, CmL19a, CmL19b, HQP98, SKL10, Sol09b, TE04, WHTW10, DTLA93, GS94a, GMR92, Sto96, RSS95]. **Product** [AA21, ACM19b, EMPF04, MWZ19, Rob11, BA95, Wan96]. **production** [BA95]. **Productive** [GDTF17]. **Productivity** [LY07]. **Products** [ACM19a]. **Profiling** [LCS+14, MS05, PKW+03]. **Program** [ABG02, BF05, HC02, KS96, Mas99, LH95, Wol95]. **Programming** [BGK03, BCL12, CG98b, DLPW08, DT00, FG02, Ger02, GS03, HM01, HL03, HGH12, KH02, KB05, Kru08, KC02, LCK02, MS01a, PAG08, SHBG14, Tor09, TX98, ZTS+16, Col95, DAB+11, GAL96b, Myo92, RB95, Vio94]. **Programs** [ABNP00, BGLM05,

CS03, CG97, EB98, ESSP01, GV03, Gav03, GS97, HPP06, Her05, KE00, LTB01, Lou01, CU96, CDZ96, Dor92, HT94, KCH92, LV96]. **Project** [LY07]. **Proof** [CM96, CP98b, GP03, HoHqZS20, O'D94]. **Proofs** [Gav03, LV96]. **Propagation** [Bur21, CDM+03, HL98b]. **Proper** [ACM19a]. **Properties** [CQSY20a]. **Proportionality** [VDL+15]. **proposal** [DAB+11, ZN13]. **Protein** [CFG04]. **PROTEUS** [CCCV04]. **Protocal** [CP98a]. **Protocol** [Ahn19a, Ahn19b, BM97, CP98a, CP98b, Chi03, KY06, TT05, MNR96]. **Protocols** [BF97, CDM+03, GHJ+08, NA10b, SM20, UKY09]. **Prototype** [GM04]. **Prototyping** [TKE+08]. **Provably** [CJN99]. **Provers** [HoHqZS20]. **Proving** [CU96]. **Proximity** [Ada09]. **Proxy** [TLH11]. **Pruning** [ZYPGD08]. **published** [Nak95a]. **Publishers** [LLD+03]. **Pure** [ST97, TT05]. **Purpose** [SAJ10]. **PVM** [LHCT96]. **pyramids** [Fio93]. **Python** [Hin03].

QAP [AIL16]. **QoS** [WD03]. **QR** [YKLD14, ZSLC18]. **QRQW** [AJ96]. **Quad** [BDH+08]. **Quad-Core** [BDH+08]. **Quadtree** [BKT95, SJL94]. **Quality** [GGS+15]. **Quantifying** [BK09]. **Quantitative** [KE00]. **Quantum** [Akl10, AsS19, CBV+05, NA07c, NA07a, NA10b, NNA10, NA10d, Qiu10, XX20, NA10a]. **quarternary** [DS97]. **Quasi** [HUZ06]. **Queries** [FKB+99, JL05]. **Query** [BKW98]. **Queue** [GGV12]. **Queueing** [BNW07]. **Queues** [FNP17, CH96]. **Queuing** [SB15].

R [Ram94]. **Radiative** [MIJ16]. **Radio** [BGK+06, BHQ92]. **radios** [RS96]. **Radix** [MG11]. **Rainbow** [HY18]. **Random** [DPS00, FVR20, KOKM14, Mal97, MT16, ST97, TB94, DMP94, Pel95, YDL94]. **Randomized** [FS99, KY06, LSF14, MMMT12, MM16, DH94, JR96]. **Rank** [LSF14]. **Ranking** [BA91, GGS+15, Sib02, ZYPGD08, DH94, dGP92]. **Rapid** [TKE+08]. **rate** [Len92, VP96]. **Ratio** [Hua06, Tur10]. **Ratios** [BBL04, BGPT00]. **RCN** [GM92]. **reachable** [CFG94]. **Reaching** [VDL+15]. **Reaction** [MBT15]. **Reactions** [Cos15b]. **Read** [BKK94]. **ready** [Ano98g]. **Real** [AB99, Akl03, BA01, GGS+15, Mak09, Nag09, PPF12, ZJSY20, AD92a, CM96, CF91, SYL95]. **Real-Time** [AB99, Akl03, BA01, GGS+15, Mak09, ZJSY20, AD92a, CM96, SYL95]. **Reality** [Syr13b]. **realization** [Kop96]. **Realized** [FGK15]. **recognition** [NRP+94, Wan93]. **Recognizing** [NP04]. **Reconfigurable** [AD02, AD92b, EWM04, MAP+19, MB98, PL11, PAKM08, QM98, RS97, RSS95, SSK+18, TBV98, Aln94, BA91, BA95, BAS96a, Chu96, Fra93b, GC95, GS95, KSS95, LOSZ94, Mac95, MB95, Nak95a, Nak95b, OSZ91, PS93, Ram94, TM93]. **Reconfiguration** [CM95, RT92]. **reconstruction** [OW92, XWF93]. **Recovery** [KSAOK05]. **rectangle** [OSW93]. **Rectilinear** [MS99, SC96]. **recurrence** [Len92, Mon94, Xue91]. **recurrences** [BFCD94, CS95]. **Recurrent** [Sch09]. **recursions** [HL96]. **Recursive** [AH00a, AH00b, FG02, LG97, FK96]. **recursively** [NR95]. **Redistribution** [MRRV07]. **redistributions** [GHSJ94]. **Reduce** [GS97, TH13]. **Reducing** [BVHR13, RB13]. **Reduction** [LSW97, SW08, Jes93, SMS95]. **Reductions** [HPP06, HL99, Sar92]. **Redundancy** [SMH03, Dua94, PS93]. **redundant** [DS97]. **Refined** [KCH92]. **Refinement** [KLH+14, Mas99, Ran05, RRS12]. **reflected** [Sto96, TM93]. **Reflection** [NTG99]. **Register** [TE04, AQRW95]. **register-based** [AQRW95]. **Registration** [SPA04]. **Regular** [Ano04d, BMFU18, Cos03, Cos04, DT00, LZY18, MG09, Trä09]. **Regulated** [GLMM+04]. **Regulatory** [GLMM+04].

Related [ACK99, CQS16, PL11, BM95, Man91]. **Relation** [GVCS14]. **Relational** [BKW98, FKB+99]. **relations** [BF94]. **Relationships** [Trä09]. **Relativistic** [ANS12]. **Relativity** [AMN12]. **Relaxed** [DVWZ99, MV08a, RV09]. **Relaxed-Ring** [MV08a]. **Reliability** [AB16, LG97, LZC+21, LZS+18, XLP12, ZXYY20, ZZL+21]. **Reliable** [AGLS12, BS01, DMP94, IR16, Ray21]. **Remark** [HY18]. **Remote** [GS97, RR08]. **repairing** [FP93]. **Reparameterisation** [RJ21]. **Repetitions** [DMS99]. **Replication** [AKP99, IT02, MP93]. **Replication-Based** [AKP99]. **reporting** [LM97]. **Repository** [FKB+99]. **Representation** [GGL12, QRR97, Wan93]. **Representations** [Pan03]. **Reprogrammability** [ZKmST18]. **request** [VP96]. **Requests** [BBF05]. **Requires** [SM20]. **Rescheduling** [DPM+10]. **Research** [CQSY20a]. **Reservation** [LO09, OL11]. **Resilience** [IR16]. **Resolution** [HKS01, ZJSY20]. **Resource** [CFR09, CmL19a, CDP+07, dSJR+15]. **Resources** [CFR09, Jes08, Vas03]. **Respect** [VSS00]. **Response** [GS15]. **Restart** [SWK+13]. **Restricted** [DM12, GLMM06, KN06, KM09, MWZ19, Pag13]. **Restriction** [LZC+21]. **restructure** [Xue96]. **Results** [BIC05, HT21, TBV98, ZHW09, RR91]. **Retiming** [DSV97]. **Retrieval** [Per21]. **Reuse** [WR97]. **reverse** [Wue09]. **Reversible** [TA09b]. **Revisiting** [DV95]. **rewrite** [Ram94]. **RFID** [TB18]. **Right** [San03]. **Rigid** [SPA04]. **Ring** [KMY97, MLY99, MV08a, Mic98, RSS95, UKY09, DTLA93, KP96, RS96]. **Rings** [MST21, PSSV02]. **Ripple** [TA09b]. **Ripple-Carry** [TA09b]. **Risk** [CDP+07]. **road** [AD92a]. **Robin** [CmL19b]. **Robots** [DP09, HT21]. **Robust** [DW07a, DW07b, Fox13]. **Rooted** [PV99, PV00]. **ROSE** [Qui00]. **rotator** [Sri96]. **Round** [CmL19b]. **Routable** [Far98]. **Router** [KCPP00]. **routers** [Jes93]. **routes** [GS94b]. **Routines** [CLR11]. **Routing** [BCBB09, BCL97, GPP09, GHS97, GK03, HLJ97, KSS95, KLJ08, KSAOK05, KSOK07, LJ10, Pan97, RS97, RV98, SV00, ST97, SŠZ04, Ste12, WS03, WD03, ABIM93, ARS93, CL93, Dua93, Fla97, GP96, Kri91, Man91, Sue95, YTL92]. **routings** [HK95b]. **row** [Sue95]. **Rule** [TH13]. **Rules** [AAH14, Wue09]. **Run** [Mar98]. **Run-Time** [Mar98]. **Running** [SB12]. **Runtime** [ABNP00, CH03, DPM+10, JSYD07, PAKM08, YKLD14, ZSLC18, CSBS95].

s [KCH92, GSS08, ZTS+16]. **S-NET** [ZTS+16, GSS08]. **SAC** [GS03]. **Safe** [DWS15, KY06, Pel95]. **Sample** [DZ12]. **Sandpile** [Sch09]. **SAT** [BCD95]. **Satisfaction** [BBF05, HKS01]. **satisfiability** [Hag92]. **Savings** [DHBL06]. **Scalability** [SB12, XLP12]. **Scalable** [Ahn19b, APSF01, CGS15, Fox13, MG11, PP97, VH01, Zia95]. **Scalasca** [WGM+10]. **Scale** [CCR11, CLT13, GJQ09, HSL09, JKRW08, JKRW09, KHW05, LO09, LBD+14, OL11, WKRJ10, WKR11, WKR13, WKR14, WGM+10, YKLD14, ZS08]. **Scaling** [MS01b, ZSLC18]. **Scan** [Mer15, O'D94]. **Scatter** [DP09]. **Scattering** [MKA98, CF93]. **scattering-gathering** [CF93]. **schedule** [BKT92]. **Scheduler** [CFR09, VDL+15]. **Schedules** [BBL04, Gon09, SYR13a, GS94a]. **Scheduling** [Aba04, Agu02, AL05, BGK00, BLMR03, BGPT00, CFR09, CF93, CJ01, DSV97, DMNP11, DT96, Don07, FOCK15, GDDM17, GS15, IDS+05, KRS15, KLW10, KHAM04, LN05, Mak09, MRRV07, MRS04, MMMT12, MM16, Nit05, OII12, OKL11, SLG04, TFTY05, VKS99, WSK16, YWJ03, ZSLC18, AER93, DKR91, GG96, LH95, LHCT96,

MSP95, NPT95, PLR+95, ROJ94, RB95, SYL95, WLR95, Wol95, Wu95b, Wu96]. **Scheme** [CLL16, CLH13, LNLE00, Qiu07, Sch93]. **Schemes** [CP98c, DW07a, EMPF04, LDC08, Fla97, Tro93]. **Science** [DJMN13, LF14]. **Scientific** [BDH+08, DT01, DT13, DT15, KLJ08, LF14, LFJ99, NKCS03, dSJR+15]. **Search** [BMSW04, CC17, CGR16, DHBL06, EW13, Jai99, KR98, LMT10, MM16, SZJK11, Gre93]. **Search-Based** [EW13]. **Second** [LBD+14, Pag13]. **Second-Generation** [LBD+14]. **Second-Order** [Pag13]. **Security** [MCI+01, TB18]. **Segment** [CP98c, HC02]. **Selecting** [KP94]. **Selection** [AG98, Box21, CmL19b, CH03, ER99, JL05, Ber92, Chl92, KCH92]. **Selective** [Rag98]. **Selectively** [PMW+12]. **Self** [CLL16, Chi03, CLM+16, DDT17, DDT99, DGT98, DDLV17, Dev05, DWS15, Dol98, FP93, GGH+04, GGHJ04, GHJ+08, HHKM13, KY06, KWDS03, NTHK17, PT97, PV99, PV00, SDLM18, Tur10, ZTP+08, SS92, TH94]. **Self-Adaptive** [DDT17]. **Self-Certified** [CLL16]. **Self-Composition** [ZTP+08]. **Self-Organizing** [KWDS03]. **Self-repairing** [FP93]. **Self-Stabilization** [Dol98, PV99, PV00]. **Self-Stabilizing** [Chi03, CLM+16, DDT99, DGT98, DDLV17, Dev05, DWS15, GGH+04, GGHJ04, GHJ+08, HHKM13, KY06, NTHK17, PT97, Tur10, SDLM18, SS92, TH94]. **Selfish** [GPP09]. **Semantic** [ARA20, Deb97]. **Semantics** [EB98, Guo01, HHOM02]. **Semi** [ABO06, Fox13, Wu00]. **Semi-Byzantine** [ABO06]. **Semi-Heap** [Wu00]. **Semi-Metric** [Fox13]. **semigroup** [BOSW94]. **Sender** [Ahn19b]. **Sender-Based** [Ahn19b]. **Sensitive** [GRS07]. **Sensor** [DGB10, LLC11, PMW+12]. **Sensors** [HT21, KLW10]. **Separation** [MS99, Mac95]. **Separator** [PND02]. **September** [Ano06e]. **Sequence** [IKMH09, LMS98, XU99, CF93]. **sequences** [KDK+93]. **Sequencing** [Pet03]. **Sequential** [Gam03, JS15, LV96, Nit02, CT94, GV93]. **Sequential-like** [LV96]. **series** [Hsu93]. **series-parallel** [Hsu93]. **Server** [GM04]. **Servers** [ABO06, GGS+15, JSYD07]. **Service** [BFG+08, CGK06, GGS+15, RvGG01, Wol99]. **Services** [FC05, HK03, TT05, ZS08, ZTP+08]. **Set** [DWS15, FS99, HHL+07, HRH18, CGW05, KCH92, BCD95]. **Sets** [BEGK00, GGHJ04, GLMM+04, HHKM13, KBGE07, FDFR93]. **Shallow** [WBUW14]. **Shaped** [DMNP11]. **Shapley** [GZL+20]. **Share** [Mak09]. **Shared** [AL05, Ald03, AFN11, BCS05, CA99, CDP+07, FNP17, GPS03, GKS08, HKS01, KE00, Pag13, VH00, VH01, WHTW10, CHQ96, DJM91, DGJS95, MNR96, VP96]. **Shared-Memory** [KE00, VH00, VH01, VP96]. **Sharing** [ABO06]. **shift** [AQRW95]. **Short** [ZXLY20, CQS09]. **Shortening** [HoHqZS20]. **Shortest** [DA93, FVR20, TFTY05, VSS00, TH94]. **Shredders** [QY20]. **Shuffle** [AMC18, MV04, NRP+94]. **Shuffle-Cubes** [AMC18]. **Shuffle-Exchange** [MV04]. **Sided** [BOV15, Sol09a]. **Sides** [San03]. **signals** [Xue91]. **Signature** [TLH11]. **Silent** [Dev05]. **Silicon** [Jes08]. **SIM** [LC14]. **SIMD** [DJM91, FUV99, KE06, SW08, SMS95]. **Similarity** [CFG04]. **Simple** [Cos15b, DH94, GR11, MS99, MPR18, Sax20, Tan09, Zar97, AS92, GI94, LM97]. **Simpler** [JS15]. **Simulated** [Pet03]. **Simulating** [LOSZ93]. **Simulation** [AsS19, BKW98, DDTV92, HTHH05, JW07, KB11, LC14, MMT17, NA05, PRH+03, PT98, UVJ11, DRS96, RSS95]. **Simulations** [CBV+05, CGS15, GMCC05, LBD+14, MHC+04, PA99, VH00, ZHW09].

Simultaneous [Agu02, RB95, SLG04, SMS95]. **Single** [EB98, GHS97, VLR+03, VSS00, GI94, JR96]. **Single-Layer** [GHS97]. **Singular** [Nov20]. **Sisal** [CG98a]. **Site** [CFR09]. **Sites** [CFR09]. **Size** [BD02, CC11, CM97, DWH+06, XUZ02, BAS96a]. **Sizes** [EW11]. **SkelCL** [SHBG14]. **Skeletal** [DLPW08, DGRD03]. **Skeleton** [GB98, Nit05, PK08]. **Skeletons** [Ald03, ABG02, Ser01, BL08, BGK03, CFL12, Dan01, DTL05, HBL03, KC02, Nit02, PAG08, Zav01]. **Skew** [BE03]. **Skew-Insensitive** [BE03]. **skewed** [BF94]. **Slave** [MRRV07, SB12]. **slices** [SJL94]. **Sliding** [KKS00]. **Small** [DWH+06, Tan09, BM95]. **Smallers** [Sax20]. **Smallest** [UKY09]. **Smart** [CDM+03, SCF01]. **Smoother** [KSHL14]. **smoothing** [Gla93]. **Snap** [CDPT10, JADT02]. **Snap-Stabilizing** [CDPT10, JADT02]. **Social** [NTV12]. **Soft** [Mak09]. **Software** [ABB+03, Hin03, KSAOK05, Sui17, Ano98g, Sie96]. **Software-Based** [KSAOK05]. **Solution** [CA99, DW07b, NA10d, Rag98, Rob11, SSK+18, YMZL04a, YMZL04b, Gri92]. **Solutions** [DW07a, DW07b, Kre97]. **Solve** [MKA98]. **Solver** [LFC+10, ZLL04]. **Solvers** [BCQO99, IT02, San03, SSK+18, BE96]. **Solving** [CCCV04, CGW05, CHQ96, Kme14, MMMS94, SF91]. **Some** [GZL+20, LFJ99, SKN10, Vir93]. **Sort** [DZ12, Mer15, WXW20]. **Sorted** [Jai99]. **Sorting** [BB09, BR19, CG01, CD99, ER99, GS99, Ger18, JS18, LJ10, MG11, NF06, KSS95, KN95, KW92, Man91, MB95, Par92, Sue95]. **Space** [BW16, SDLM18, SZJK11, GL94, HL96]. **space-time** [GL94, HL96]. **Spaces** [Fox13]. **Spacetree** [WBUW14]. **Spanners** [Kru98, CK93, LS91]. **Spanning** [DF99, LZY18, QM98, SKN10, FL96, Qia95, SS92, Zar97]. **Spans** [MPR18]. **SPar** [GDTF17]. **Sparse** [CA99, FDZ99, GZW16, HlMD21, KW06, Rag98, SFHW11, Yan05, Gri92, KESH95, Pel92, Pel95]. **Spatial** [MG09]. **Spatially** [DW07a, DW07b]. **Special** [Ano06e, DMVT14, DT13, DT15, FAMP12, GK14, GZL+20, HL03, Sta12, WKR14, RP93]. **Specific** [KSHL14, RGM06]. **Specification** [CP98a, CP98b, Cho98, Deb97]. **Specifications** [Her05]. **Specifunctions** [CS01]. **Specifying** [Xue91]. **Spectral** [Pet03]. **Speculative** [GV03, WY92]. **Speed** [BGPT00, Pur06]. **Speed-Up** [Pur06]. **Speedup** [AB99, IN99, KE00, SYR13a]. **Speedup-Aware** [SYR13a]. **SPL** [GKS+14]. **SPMD** [van94]. **SPOC** [BCL12]. **Spreading** [BLL12]. **SQL** [CGK06]. **Squad** [UKY09]. **Square** [QM98, IK96]. **SRS** [VD03]. **Stabilization** [Dol98, PV99, PV00]. **Stabilizing** [CDPT10, Chi03, CLM+16, DDT99, DGT98, DDLV17, Dev05, DWS15, GGH+04, GGHJ04, GHJ+08, HHKM13, JADT02, KY06, NTHK17, PT97, Tur10, SDLM18, SS92, TH94]. **Stable** [BCQO99, ST14]. **Stage** [RvGG01]. **STAPL** [TSS+06]. **Star** [CL13, MMCW18, Res97, RV98, CQS09, GP96]. **State** [DMNP11, KB19, SZJK11, UKY09]. **State-of-the-Art** [KB19]. **states** [AR96]. **Static** [BGK+06, GS97, Wol95, GAL96b, GDC94, GC95, KRS93, MSP95, SYL95]. **Station** [GKMP05]. **Status** [RGM06]. **Steady** [DMNP11]. **Steady-State** [DMNP11]. **Steiner** [ACM19b]. **Stencil** [GKS+14, GK14, KLH+14, SHBG14, WHTW10]. **Step** [BB09, BIW11, ADG91]. **Steps** [Bur21]. **Stepwise** [Mas99]. **Storage** [ABO06, DWH+06, PT07, VH01]. **Strassen** [EW11, GV96]. **Strategies** [BLMR03, DEKS04, ZZL+21, CLZ92, GG96]. **Strategy** [BCL97, GGV12, Mak09, CR95, CC93, KY96, LH95]. **Stream**

[BCL12, GSS08, GDTF17]. **streamlining** [PRS95]. **Streams** [FZL+16, GM03]. **strides** [VLL+91]. **Strings** [Tsa04, VP98]. **Strong** [HLH+17, ZXLY20, ZZZY21]. **Structure** [kLCL20, ZKmST18]. **Structured** [DDT99, MV08a, Ran05, WSK16, Wu96]. **Structures** [FAMP12, Gav08, LMT10, KP96]. **Studies** [ZTS+16]. **Study** [BGLM05, CDM+03, CFG04, DBK09a, Ger18, HTHH05, MG11, TW01, DDT95, ZN13]. **Sub** [OSW93]. **Sub-logarithmic** [OSW93]. **subarray** [PD95]. **Subcube** [IÖ98, Lat91, YL10, KN92]. **subgraph** [FU92]. **Subgraphs** [LZY18]. **Sublinear** [KR98]. **sublogarithmic** [Sri96]. **submesh** [KY96]. **Submission** [MHC+04]. **Subprograms** [Sol09b]. **Subscribed** [RB13]. **Subsequence** [Per21, LP94, PD95]. **Subspace** [GCP99]. **Substrate** [Ada07]. **Substructure** [kLCL20]. **Subtraction** [EW10, SCJ+10]. **Suffices** [EM98]. **suffix** [BH96]. **Suitable** [Tan09]. **Sum** [HC02]. **Summation** [Mic98, Fra93b]. **sums** [Nak95b]. **Sun** [HZW08]. **Super** [LPL20, Sri96, ZJSY20]. **Super-Resolution** [ZJSY20]. **Supercomputer** [CGW05]. **Supercomputers** [CCR11, Kra01]. **Supercube** [ARS93]. **Supercubes** [SH99]. **superprimitivity** [IK96]. **Support** [Bra00, Dan01, DGB10, Mar98, NKCS03, Qui00, CSBS95]. **Surface** [CQS11, CQS09]. **Survey** [AIL16, CZ20, GJQ09, SWK+13, DV97]. **Survivability** [KHAM04]. **SVD** [BOV15, OV06, Sol09a]. **SVP** [UVJ11]. **Sweep** [WGM+10]. **switch** [SF91]. **Switched** [IÖ98, PS98]. **Switches** [LTZ98]. **switching** [BAS96b]. **SX** [ZHW09]. **Symbolic** [CJ01, GV03, JSZM08]. **Symmetric** [CKP00, GP03, LTZ98, CFG94, SS92]. **Symmetrical** [UKY09]. **Symmetry** [XLP12]. **Synchronization** [APSF01, Chi03, GS97, PT97, RS98a, ST14, UKY09, VAP94]. **Synchronization-Free** [ST14]. **Synchronization-Oriented** [APSF01]. **Synchronizer** [JADT02]. **Synchronous** [BVHR13, CS03, Gav08, LTZ98, Sui17, VH00, CF95]. **Syntenic** [FAH03]. **Synthesis** [RR91, GW94]. **Synthesizing** [Myo92]. **Synthetic** [PPF12]. **System** [ABB+03, ER99, EADN06, Gam03, HlMD21, HTHH05, KMAG01, KHW05, LZC+21, MS01a, MJGR09, PAKM08, RB13, VLR+03, ZJSY20, ZSLC18, DS97, MNR96, Oks95, TM93, GMK13]. **System-Level** [EADN06]. **System-On-Chips** [PAKM08]. **Systematic** [MHKT05]. **SystemC** [SAJ10]. **Systems** [AL05, Ahn19a, Ahn19b, BIW11, BW16, CDPT10, CCA01, Cho98, Dol98, EADN06, FGK15, GR11, GEBR+03, GKK14, GJQ09, HZW08, HGH12, Jes08, KB19, KB11, LO09, LCS+14, LN05, LFC+10, Mak09, NA05, OL11, OKH+02, PFM+09, RBS15, RRS12, SFHW11, SWK+13, SHBG14, UVJ11, VD03, VLR+03, VMA11, Wu98, Yan05, ZHW09, AER94, BNKS93, BA95, BAS96b, BH93, CRF95, FMR05, MMMS94, Mon94, OSZ91, PS93, RLG91, TL91]. **Systolic** [ES92, EWM04, HKP+98, MCDB12, Tsa04, VP99, YKLD14, AS92, AQRW95, BE96, CC95, Gla93, Myo92, Oks95, Xue91]. **Systolic-Array** [MCDB12].

T2 [HZW08]. **Table** [KLJ08]. **Tabu** [BMSW04]. **Tagged** [Ser01]. **Tagged-Token** [Ser01]. **Target** [BGJ10]. **Targeting** [ADKT12]. **Targets** [PMW+12]. **Task** [BLMR03, DMNP11, Don07, FOCK15, GDDM17, GK13, GS95, KRS15, KU09, LHCT96, LN05, LTB01, Mar03, dSJR+15, AER94, CL95, GG96, MSP95, PS93]. **Tasks** [LMZ99, Mak09, OKL11, SB12]. **Taxonomy** [Don07]. **technique** [Gri92, RT92]. **Techniques** [ARA20, Ano94, CJ01, DSV97, NTG99, OKH+02, SWK+13, CL95, FL96, RB95].

Technological [SKL10]. **Technology** [KKFZ14]. **Template** [BGL03, BGLM05, GM04, Raj02, Chu96, HBL03]. **Temporal** [AS19, CmL21, WHTW10]. **Tensor** [ACM19b]. **Term** [CmL21]. **Terminating** [Kul07]. **Terms** [LYW20]. **Testing** [Sui17, IK96]. **Text** [De 04]. **Their** [BD02, KSHL14, YWJ03, FK96, KP96, SSSM93]. **THEMIS** [KBFB01]. **Theorem** [HoHqZS20]. **Theoretical** [Agu02]. **Theories** [AMN12, Sch15]. **Theory** [CWR21, DMVT14, Gar14, Dua94, Vio94]. **these** [BW16]. **thinning** [DJM91]. **Thread** [ABNP00, CmL19b, SLG04]. **Threads** [CRV08]. **Three** [Akl06c, BCMC+04, Car07, FL96, KBG+13, YMZL04a, YMZL04b, MB95]. **Three-Dimensional** [BCMC+04]. **Tight** [Wu95a]. **Tighter** [DR00, TBV98]. **Tiled** [ZSLC18]. **Tiling** [DSV97, GVCS14, KS97, KLW10, Xue97]. **Time** [AB99, Akl03, BAS96a, BA01, CBC03, CL93, Cos15a, DR00, DMS99, DD99, DVWZ99, Dol98, GGHJ04, GGS+15, GS15, HW06, JSYD07, KS97, KR98, KY06, Kme14, LP98, Mak09, Mar98, MMRT06, MB98, Nag09, NA10c, Oks95, RRM15, RV09, SM20, VRR20, XUZ02, ZJSY20, AD92a, AER93, CM96, CHQ96, Gal96a, GL94, HL96, KS96, LP94, LJ95, MB95, Pan94, Pel92, PS93, SC96, SYL95]. **Time-Adaptive** [KY06]. **Time-Free** [MMRT06]. **Time-Increasing** [HW06]. **Time-minimal** [Oks95]. **Time-Relaxed** [DVWZ99, RV09]. **Time-size** [BAS96a]. **Time-To-Live** [VRR20]. **Timelike** [ANS12]. **Times** [HRH18, MRS04, RvGG01]. **timestamps** [Sin96]. **TLP** [Sol09a]. **Toeplitz** [Oks95]. **Token** [Ser01, KOKM14, DMP94]. **Tolerance** [CC11, GK13, LNLE00, NTG99, RT92]. **Tolerant** [LH02, MLY99, MV08a, Res97, RV98, RV09, SV00, VMA11, Wu98, ZXY20, ARS93, BK92, CM95, CH94, GV93, GP96]. **Tolerating** [MT16]. **Tool** [MKA98, AR96]. **Tools** [Pan03]. **Toolset** [WGM+10]. **Top** [CS03]. **Top-Down** [CS03]. **Topologies** [Had08, LDC08]. **Topology** [BL08, BK08, MV08a, VRR20]. **Tori** [BF02, CQS11, DKP98, DV02, YMZL04b]. **Toroidal** [PS98]. **Torus** [DR00, LZY18, MLY99, San03, YTL92]. **Tournament** [Wu00]. **Tours** [CDSS93]. **Toussaint** [Ada09]. **TPNC** [DMVT14]. **Trace** [CLT13]. **Track** [PMW+12]. **tracking** [JJ96]. **Trade** [DLP03, LP94]. **trade-off** [LP94]. **Trade-Offs** [DLP03]. **tradeoffs** [BAS96a, LJ95]. **Trading** [IR16, IT02]. **traffic** [AD92a, SF91]. **Training** [RJ21]. **Trajectory** [CBV+05]. **Transactional** [GHF10]. **Transfer** [JSYD07, MIJ16]. **Transform** [FUV99, Pan94, PA95, NA10a]. **Transformation** [BFCD94, BF05, Xue97]. **Transformations** [AGMM00, KKKL18]. **transforms** [BIL92, GHSJ94]. **Transitive** [GMR92, PL11, Aln94, JJ96]. **Translation** [BSM+16]. **Transmissions** [HT98, Pel92]. **Transparency** [Hea07]. **Transport** [Jon15]. **Transposition** [HT98]. **traversal** [GV93]. **Tree** [CKP00, CDPT10, CGR16, DGT98, DMNP11, HL99, IR95, JADT02, MHKT05, Nag09, PV99, PV00, Rob11, SKN10, XU99, XUZ02, YKLD14, FL96, LM97, Wu96, Zar97, dGP92]. **Tree-Based** [YKLD14]. **Tree-Shaped** [DMNP11]. **Trees** [BR19, BGPT00, BW16, DF99, DDLV17, JS15, KR98, LH02, LJ10, QM98, RRM15, SDLM18, VP99, Bar93, LP94, PLR+95, SS92, UN92]. **Triangle** [NTHK17]. **Triangular** [Rag98, DT96]. **Triangulation** [LPP01, RRS12]. **Trident** [SS05]. **Tridiagonal** [San03, BE96, MMMS94]. **Trilinos** [LBD+14]. **True** [SX02]. **Truthful** [GC06]. **Tuning** [CFL12, LTB01, MMJ+03, PA99, HlMD21]. **Turing** [FG02]. **Twentieth** [Akl11b]. **Two** [APY06, BGPT00, BMSW04, Chl92, DM12,

GGH+04, HHKM13, KSHL14, LLC11, Nov20, ZTS+16, CR95, KW92, OSZ91]. **Two-Dimensional** [BMSW04, CR95, KW92, OSZ91]. **Two-Factor** [LLC11]. **Two-Player** [DM12]. **Typed** [GSS08]. **typesetting** [Ano98g].

UltraSPARC [HZW08]. **Unbounded** [MT16, AQRW95]. **Uncertain** [HT21]. **Uncertainty** [Cos15a, GPP09]. **Undecidability** [AMN12]. **Unfriendly** [HHKM13]. **Unified** [Qiu07, FFSY93, RP93]. **Uniform** [Ano94, BGPT00, Dol98, BF94, Mon94, Xue91, ZJ09]. **Uniformly** [CZ20]. **unifying** [BOSW94, CU96, RR91]. **unimodular** [Xue96]. **Unimodularity** [BL92]. **Unit** [EW10]. **Units** [AIL16, GW94]. **Unity** [CP98a, CP98b]. **Universal** [Akl06c, MS09, NA07a, ZLL04]. **Universality** [FG02]. **Unlabeled** [DKP98]. **Unrelated** [OII12]. **unshuffle** [CC93]. **unshuffle-exchange** [CC93]. **Unstructured** [PFM+09, WLR95]. **Unsymmetric** [Yan05]. **Until** [MG09]. **update** [Tro93]. **update-last** [Tro93]. **updates** [FL96]. **Updating** [DF99]. **Upgrade** [DBK09a]. **Usability** [Pan03]. **Use** [CCA01, KHW05]. **Used** [VMA11]. **User** [LLC11]. **Using** [AB08, ABG02, BGK00, BSM+16, BNW07, Bur21, CP98a, CP98b, Cos15b, DDLV17, EW11, Gam07, GAL96b, GT00b, HW06, KW06, KHAM04, KE06, LF14, LG97, MGBG07, MKA98, Mas99, MTD98, MCI+01, MM16, NTG99, PPF12, PK04, QRR97, Rag98, RvW98, SW08, SMH03, SHBG14, VRR20, WJ12, Wol99, Wu00, WS03, YKLD14, YF18, AR95, Ano98g, CS95, DS97, GHSJ94, RB95, TKE+08, VP96]. **Uspensky** [Ada07]. **Utilisation** [GGV12]. **Utility** [SS13].

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