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-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].

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,

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**

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].

[Tsa04, VP98]. **Well-Structured** [WSK16]. **Where** [KE00]. **While** [Cam08, GL94]. **WHILE-loops** [GL94]. **Whole** [MPR18]. **Wide** [PADB03, PT07, ZN13]. **Wide-Area** [PADB03, PT07]. **Window** [KKS00]. **Winograd** [DV95]. **Wireless** [LLC11, TB18]. **Without** [APY06, BF02, NA07c, NA10c, Yai08, TB94]. **Work** [De 04, KRS15, KLN04, LP94, Zar97]. **Work-Competitive** [KRS15]. **Work-Efficient** [KLN04, Zar97]. **Work-Optimal** [De 04]. **work-time** [LP94]. **Worker** [AGLS12]. **Workers** [AGLS12]. **Workflow** [WLW11]. **Workflows** [DJMN13, WSK16, dSJR+15]. **Workload** [DEKS04, Hua06, HW06, SYR13a, BF94]. **Workshop** [BET04, Ano94]. **Workstation** [Aba04, Dan01]. **Workstations** [CG01, PRH+03, Tan09]. **Wormhole** [Di 00, KCPP00, Dua92, Dua94, HK95b, YTL92]. **wrap** [KRS93]. **wrap-arounds** [KRS93].

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