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Title word cross-reference

#P [Zan91]. **#P-Completeness** [Zan91].
 $(-\beta)$ [Dom12]. $(1, 0)$ [ZK19]. $(1, 2)$ [BZ13].
 $(2 + p)$ [ZG13]. $(2, 2)$ [ST16]. $(3k + 1)$ [DZ00].
 (A, B) [JL01]. (δ, α) [CCF09]. (δ, γ, α)
[FG08]. $(\delta, \kappa_\delta, \alpha)$ [FG08]. (n, k)
[WC13, CC98, CHYT14, HLHH06, YCL11].
 $(n, n(n + 1))$ [NS98]. 1
[CHWX09, Dic93, LR04, TCT14]. 11 [LJ17].
2 [AV96, BYP95, FFMW19, HKT00,
HJP⁺13, JZ16, JW08, Leo03, Pri06,
TSFZRP17, XZS16, XCX17, ŽM11]. 2^n
[CKZ17]. $2m$ [ZWCL14]. 3 [BYP95, DH96,
JSPD03, KPS18, LJ17, SJ04, ST93, Tsi06]. 4
[XC15, ZZC15]. $7/3$ [DSS15]. $*$ [MTVM15].
 ${}_2$ [Joh00]. A [XBE02]. $ab * c$ [KL03].
ASPACE($\log \log n$) [GP13]. β [Shu11]. c
[CDFK19]. C^1 [XBE02]. $CT\mathcal{L}$ [MTVM09].
 $CT\mathcal{L}^*$ [MTVM09]. \mathcal{I}_2 [BW14]. \mathcal{J} [BL14]. \mathcal{R}
[BL14]. D [HLY⁺04, AE99, DG98, RS01]. ℓ
[DDHL11]. f [DGL93]. $F_p + \nu F_p$ [WGF16].
 $\frac{7}{3}$ [Ram05]. $G(2^m, 2)$ [YCTW10]. G^{xy+}
[AT15]. G^{xy-} [BTO17]. $GF(2^n)$ [WXF16]. H
[GMU15]. K [BT07, CHWX09, PV98,
ZBS05, Aku06, AE99, DDHL11, DG98,
DGL93, EHS15, IZN99, INY07, KPS13,
LZ12, MXY⁺04, Nak04, RS04, TCLS10,
YTN01, ZZZ16, ZK19]. $K_{m,m}$ [Kan15]. L
[ADD⁺18, PSS12]. $L(2, 1)$ [LLW18]. $L(j, k)$
[Cal15]. L_p [CMR07]. M
[Jun14, PT18, Teh16a, Teh16b]. $\mathbf{F}_{2^{2m}}^*$
[ZWCL14]. \mathbf{Z}_{p^2} [HSS19]. $\mathbf{GF}(2)$ [BB99].
 $\mathbf{UG}_b(n, n(n + 1))$ [Noc98]. μ [DL12]. N

[AM09, Bed18, JM03, PV98, INY07]. *O* [Mal07]. *O*(1) [ST99]. *O*(n) [MM97]. *O*(n^2) [Bad09]. ω [COT12, DI02, Fin12, Hon02, Hon07, KSV03, KMM06, Sel08, Sta05]. *P* [AFO06, ARV07, BGMV08, BCC⁺11, BFM06, CD06, CCFS07, CVPV08, DI05, FOP05, Fre05, FO07, FIO08, FH11, GH07, IYD05, IW07, Iba11, ILT11, LZGN06, Luc09, Mad03, MDAPHPJ⁺11, NSVA12, PDPPJ11, Pău00, PPJR06, PPJR07, PPJS07, PPRPS11, PBMZ06, PLMZ11, RCTC⁺09, Sbu06, SRPC11, YDI08]. *P*₄ [MR99, RRT99]. *P*₆ [GV03]. *P* _{n,k} [YTN01]. *q* [BM16, FBK05]. *R* [FZCFB08]. *s* [Dic93]. Σ_2^p [KL00]. $\sigma_f = 2^{2n} + 2^{n+3}$ ($n \geq 3$) [ZWW⁺14]. *Z* [SMS92].

-Abelian [KPS13]. **-Adic** [XZS16]. **-Ary** [AE99, DG98, DZ00, RS01, PV98]. **-Automata** [KSV03]. **-Calculus** [DL12]. **-Chains** [DI02]. **-Channel** [Nak04]. **-Collapsing** [Pri06]. **-Covering** [ZBS05]. **-Cubes** [DG98]. **-D** [CHWX09, JW08, SJ04]. **-Decomposition** [Dic93, Joh00]. **-Dependent** [DGL93]. **-DFA** [AV96]. **-Differences** [Aku06]. **-Dimensional** [AE99, JZ16, LR04]. **-Disjoint** [BT07]. **-Drawings** [ADD⁺18]. **-Edge-Connectivity** [Tsi06]. **-Edge-Labeling** [Cal15]. **-Edge-Labelings** [LLW18]. **-Equivalence** [Hon07, Hon02, PT18, Teh16a]. **-Equivalent** [Teh16b]. **-Free** [Bed18, GV03]. **-Gram** [FBK05]. **-Hamiltonian** [BZ13]. **-Heap** [Jun14]. **-Independent** [TCLS10]. **-integers** [Dom12]. **-Intersection** [EHS15]. **-Language** [Fin12]. **-Languages** [COT12, Sel08]. **-Like** [HK11]. **-Matching** [CCF09, FG08]. **-Matchings** [DGL93]. **-Matrices** [BM16]. **-Means** [CHWX09]. **-Mesh** [FZCFB08]. **-out-of-** [DDHL11]. **-Packing** [TSFZRP17]. **-Partners** [RRT99]. **-Patches** [XBE02]. **-Periodic** [CKZ17]. **-Planarity** [CDFK19]. **-Plateaued** [XCX17]. **-Power** [Sta05]. **-Power-Free** [DSS15, RS04]. **-Powers** [Shu11, Ram05]. **-Qubit** [JM03]. **-Regular** [KMM06]. **-Resilient** [TCT14]. **-Round** [LJ17]. **-SAT** [ZG13, ZK19]. **-Search** [ZZZ16]. **-Sided** [ST93]. **-Space** [JZ16]. **-Star** [CC98, CHYT14, HLHH06, WC13, YCL11]. **-State** [KPS18]. **-Subgraph** [GMU15]. **-Substitution** [Mal07]. **-Super** [ZK19]. **-Systems** [PSS12]. **-Temporal** [SMS92]. **-th** [YTN01]. **-Tree** [LZ12]. **-Trees** [IZN99, YTN01, JL01, PV98]. **-Trivial** [BL14]. **-Truck** [MXY⁺04]. **-Uniform** [XC15, ZC15]. **-Union** [EHS15]. **-variable** [ZWCL14]. **-Way** [AM09]. **-Words** [ST16].

160 [WLC12].

2012 [SSS13]. 2CCC [BE95]. 2ETIME [ABH17]. 2ETIME-Complete [ABH17]. 2NFAs [KM17].

3-Edge-Connected [ST11]. 3-Repetitions [GS12b].

7 [DE08]. 7-Colourings [JP08].

'98 [GJV00a, HO00]. '99 [MS99b, Pal01a].

ABE [YMC⁺17]. Abelian [AILR16, CRSZ11, CK16, CCI12, DR12, DMSS16, GRRS14, IMS03, KPS13, PP11, SS01]. Abstract [DG09, TZ91]. Abstraction [ADHR09, ACV13, BPZ07, CFH⁺03, MH06, NTSH06, WM13]. Accelerating [BIIN04]. Acceleration [IN05, IN08]. Acceptance [GQZ15, Mer08]. Accepting [Dom04, DM08, IIT91]. Acceptors [BvdB18, IR14, Iba15]. Access [DCS13, Rud15, SK04, Sun00]. Accountable [YMC⁺17]. ACD [Mar92]. ACD-Ground [Mar92]. Achieving [JW08]. Across [CM12]. Action [HFLD09]. Active [DV11, JK14a, JK14b, PDPPJ11, PLMZ11,

Qua07]. **Activity** [BGMV08]. **Acyclic** [AMR08, BPR09, FZFDCHB05, GVL07, KLB13, ZWS96]. **Ad** [AWF03, CIS03, LBJ03, SB12, WLF03, WD03]. **Ad-Hoc** [CIS03]. **Adapting** [CFG12]. **Adaptive** [BKS12, CLT14, CHYT14, KG11, LX94, LBJ03, SW09, TL99, Tse16, VJDT05]. **Add** [ANDZM09]. **Addition** [Wan04]. **Additive** [SS07a]. **Adic** [XZS16]. **Adjacent** [AKS14]. **Adjustable** [HZZT12, WY05]. **Adjusting** [KSJ08]. **Advanced** [Qua07]. **Advances** [CDFK19, HO00]. **Adversary** [BHK⁺18b]. **Advertisements** [NH02]. **Advice** [BBB⁺18, FH05, KSY14]. **Aerial** [Ami05]. **Affine** [BKP18, Rov00]. **Affirmative** [PHPJRN⁺11]. **AFL** [BJ07a]. **Against** [BCFR07, BHK⁺18b, HMZ05, HCETPL⁺12, TCT14, Uen13]. **Agent** [BF07, BDDN01, EH12, MM07, NH02]. **Agents** [DSS08, FHL07, LK11, LCVLV09, LRT92, MCS08]. **Aggregation** [RGR11]. **Agreement** [BVM00, MNS11]. **Agreements** [Tru08]. **Aid** [CMWZ19]. **Alberto** [SCIS15]. **Algebra** [GC15, GB03, Hea11, Lar99]. **Algebraic** [BM16, BMW91, BÉ11, FH05, Kri97, TCT14, TJZ13, ZWCL14]. **Algebras** [ALR04, Ali16, BE92, BE93, KLB13, MRT95, Ole92, SN13, TST01a]. **Algorithm** [ATK12, ANDZM09, ARS11, BV08, BB04, BKS12, CPY02, CF06, CFRD08, CDJ09, CTZ01, CL03, CLT14, CHYT14, DGN07, DN16, DG98, FL09, FZAM08, FJ12, Fri10, Fuj17, GKSZ19, GLV14, Gro03, GD12, GWL⁺17, HKV17, Hei97, HO99, HM04, HW17, Hut02, IST05, IZN99, JHK08, KK10, Kar99, Kör03, LW93, Li01, LJH⁺17, LCL06, MDAPHPJ⁺11, MOSZ18, MTNN99, MC13, NGHK15, Nis07, Okh06, PRN13, PYTH10, PR00, Pym92, QFL⁺15, SW09, SS07b, ST99, SKW08, Tor13, TSFZRP17, Tsi06, WG17, Won96, Won01, XS11, ACM11, CCM11]. **Algorithmic** [BS12, CFMR05, DGMM15, GGR14, HPV99, Riv04]. **Algorithms** [AFB96, Aku06, AILR16, AC05, AMR05, AMR11, ADD⁺18, AE02, AE05, Ars15, AMOZ07, BT07, BRM07, BH02, BCFL12, Bur12b, CD15, CCM97, CCF09, CFG12, CGKN08, CHWX09, CHA⁺92, CPC99, CHZ06, CCG⁺11, DP90, DPS99, DD13, DGL93, DWS15, DMSS16, ERW04, ECY02, FZ15, FZEBB05, FPPS03, FA06, GO09, GHJS05, Gol90, GM19, GKS⁺19, HL06, HP09b, HLW09, IMP12, INY07, IMS03, JMSO05, JZ16, KSMMT18, KKH90, LTW02, Leu04, Li12a, LMM⁺12, MPS99, Mas04, Moh02, Moh03, Nak04, NB18, OSZ92, RLWW96, SRR15, Sah01, SK01, SK03, SJ04, SG04, Ste93, TV07, Tor15, TL99, Tse16, WRNK03, WM05, WH03, ZBS05, Zom03, FG08]. **Alignment** [AES18, AE02, BBM⁺12, CK08b, FM96, GD12, PYTH10, TFF18]. **Alignment-to-Alignment** [FM96]. **Alignments** [CCP18]. **Alive** [BC12]. **Allocation** [BRSRC11, NWK06, WG17]. **Almost** [BKST18, HJ13, PS12a, PP11]. **Almost-Equivalence** [HJ13]. **Almost-Universal** [BKST18]. **Alphabet** [Dom12, GNP⁺06, JMR91, JJS08, Jir11, Pig15]. **Alphabet-Independent** [GNP⁺06]. **Alphabets** [CTS18, Leu16, Mas13]. **Alternating** [AK14, BCPR07, CLLL08, HIIW01, HIR⁺92, IIT91, MO10, Slo95]. **Alternative** [dSMOC18, Set08]. **Ambiguity** [AMR11, Iba15, KMK11, Leu05, MS04, MPJ07, Şer09, SL17]. **Ambiguous** [Mig90]. **American** [SGZ02]. **Amiable** [Ata07]. **Among** [DDPS19]. **Amount** [BGRY16]. **Amplitudes** [Nis03]. **Analog** [LWJ⁺10]. **Analog/Mixed** [LWJ⁺10]. **Analog/Mixed-Signal** [LWJ⁺10]. **Analyses** [KPM15, Tse16, ZPXX17]. **Analysis** [AHL⁺13, AH07, BYP95, BV98a, Bee95, BAK12, BCB12, BET03, DN16, DES09, EH12, FSWF11, FZAM08, FBK05, Gol90, HP09b, HM04, IDR97, KR97, Leo03, LCY12, Li12a, LN08, LPP92, Lug11, MH06,

MGGP08, NAK⁺15, OM96, PV98, RWZ01, ROK08, Set08, TY03, TV94, Wan04, WR16, Yam03, YLZ14, YB06, Yen08, ZZZ16].
Analytic [BMMR11]. **Analyzing** [CCP18, DW04]. **Anarchy** [FFMW19].
And/Or [FIO08, DW04]. **Angle** [MB17].
Annotated [KSJ08]. **Annotation** [BDL08].
Announcement [CIS16]. **Anonymous** [AOSY10, FDFZB12, Špr09, XS06]. **Answer** [PHPJRN⁺11]. **Ant** [KAPF05]. **Antennae** [AC05]. **Anti** [BJ07a, KMG11]. **Anti-AFL** [BJ07a]. **Anti-Spikes** [KMG11].
Antidictionary [Shu14]. **Antimirov** [AMR09]. **Antiport** [AFO06, ARV07]. **Any** [PS12b, TSFZRP17]. **Anytime** [CD15].
Aperiodic [BS92, BS15, DJR18, Sel08].
Apices [MAN06]. **APN** [XC15, ZH13].
Apostolico [SCIS15]. **Appearances** [DDD18]. **Application** [Cas05, MNS11, SB01, URS07, ZH06].
Applications [BKST18, CK08a, CCF09, CHWX09, CW11, CB09, CK18, DI02, Fin12, GC15, GGR14, HYN08, KL03, KKS05b, KMS11, KM90, Li07, MM97, PRS98, PYTH10, Suc90, Zom01c].
Approach [BET03, BMMR11, CLMP16, CMMR04, CMWZ19, EAB⁺16, GSD03, HMZ05, IMP⁺05, Kri97, LW06b, MG14, MGGP08, Qua07, SGZ02].
Approximability [DJL⁺07]. **Approximate** [BH02, MRRV06, NRS18, ORS08, WKS⁺08, ZBS05]. **Approximated** [BB04].
Approximating [BR08, BVM00, BDG⁺11, Fre02, Gol14, HL01, LZ12, Rya15, YJ05].
Approximation [AE02, AP90, ABDP05, CS93, CCG⁺11, GY12, GM19, HJP⁺13, HW17, JMSO05, JSO10, KK10, LTW02, NB18, SS07b, Ste93, Tei17, WG17, XS11].
Approximations [Shu07]. **Arbitrage** [DLW02]. **Arbitrarily** [BSOR10].
Arbitrary [EZ01, GS12a, HKV17, Hei97, JWB03, LOPR18, NGHK15, XHLF02]. **Arc** [GP17, KHL12]. **Architecture** [MDL97, YLZ14]. **Architectures** [AP92b, CPJ06]. **Arcs** [MM97, RR18]. **Area** [CR14]. **Arithmetic** [BB03a, FMC04, FT11, GK11, ŠM05].
Arithmetical [Okh05]. **Arity** [CL07b, DZ00]. **Arrangement** [FWZ15, LX17]. **Arrangements** [KL05].
Array [CE98, FS06, GPC09, Jun14, LC18, ZYYH14].
Arrays [AE99, Fre05, MMP10, PA98, SMAN13, WH03]. **Arthur** [CCPS04, Vin05].
Articulation [Kar99]. **Artin** [AR16]. **Ary** [AE99, DG98, PV98, DZ00, RS01]. **Asian** [HO00, GJV00a]. **Aspects** [BM16, BRST07, HK09a, Riv04]. **Assembly** [BHR09, IPR07, IP08, JK14a, JK14b, Rog09, RCTC⁺09, SW17]. **Assignment** [Bar90, DGN07, GSD03, Hir91, NSVA12, WD90].
Associated [Sal11]. **Associations** [YZY⁺18]. **Assume** [LSWW13].
Assume-Guarantee [LSWW13].
Assumptions [GKS17]. **Asymmetric** [Gol14, WR16]. **Asymmetry** [FPS02].
Asymptotic [FY08, PR12, Szw95].
Asymptotically [CDPR11].
Asynchronous [Ott15, Yue13].
Asynchrony [SR00a]. **ATM** [GKKP99].
Atomic [Anc02]. **Atoms** [BT13, EKKS18].
Attack [DS02, DEKZ11, HCETPL⁺12, LJ17, WLC12]. **Attacks** [DEKZ11, TCT14].
Attribute [BV08, TYM⁺17, WHLH17].
Attribute-Based [TYM⁺17, WHLH17].
Augmentation [NS13, YH11].
Augmenting [GKS⁺19]. **Authenticated** [LHT09, LH11, MMS17]. **Authentication** [BKST18, HCETPL⁺12, LB04, YTP11].
Author [Ano97, Ano98, Ano99, Ano00, Ano01a, Ano02, Ano03a, Ano04a, Ano05a, Ano06, Ano07, Ano08, Ano09, Ano11, Ano12, Ano13, Ano14, Ano15, Ano16, Ano17, Ano18]. **Auto** [CGKN08]. **Auto-Intersection** [CGKN08].
Autocorrelation [KYZS17]. **Automata** [AHK07, ABH⁺09, AK14, AMR11, AMR08, AR16, ACFE09, ABH17, AHK17, BBP11,

Bed18, BHK19, Ber13, BMP03, BCD14, BMP15, BHK18a, BCPR07, BCHK09, BHK07, BRST07, BKM11, BKM12, BKM15, BW14, BMMR11, BMMR12, BKW02, CFM12, CFM13, CPY02, CLW09, CL15, Cha02, CLOZ04, CC05, CCR+90, CFY16, CG06, CR15, CMR07, CMRR08, CVMVMV00, CKK02, CTS18, DJ12, Dom04, Dro92, DK98, DM11, DP14, D's03, Dub95, ÉM11, Ési12, FGS+90, FTT10, Fin19, Fre08, FK13, Fuj17, GLV14, GHWZ05, GVL07, Glö07, Glö10, GSZ99, GH13, GH15, GQZ15, GC18, Gus13, GP15, HMZ05, HW05, HK09b, HJ13, HJ17, HJK18, HKKŠ13, IJT+93, JM13, JJS08, JJŠ18, JO07, JK07, KZ10, Kör03, KR16, KBH99a, KSV03, KMS06, KSY14, Kud07, KL11, KMM06]. **Automata** [KR08, KMO10, KO13, KMW14b, KMW14a, KMW16, KO18b, Löd15, Loh10, Mac96, Mal05, MR11, Mar08b, MVMM02, Mar97, Mar09, Mas13, MHT09, MZ12, MO07, MO09, MS18, Moh03, Moh13, MP91, MPJ07, Nak18, NTSH06, NWK05, NWK06, NCC+07, Oli13, Ott15, PI95, Pig09, PP14, Pig15, PM13, SS07a, Sao92, SY12, ŠM07, Sir15, Slo95, SVF09, Sut03, Tam08, Tor13, Tor15, TY15, Vor16, Vor18, WM13, WKS+08, YDI08, YW06, YBI11, ZHZ11, ZZ18, ZQL12, dBDZ19, CV13]. **Automata-Based** [Tor13]. **Automated** [CGR13, KM02, Pen93, TW09]. **Automatic** [ADR11, BCDP08, BK16, CRS12, DMSS16, GHS13, GRRS14, LD01, Loh05, LBL06, MH06, RS15, SS12a, SF07]. **Automaton** [AČ11, CZOdIH17, CL14, CC05, CGL12, IT13, JHK08, KPS18, MOSZ18, Okh03, Pol05, Prů17]. **Automaton-Based** [Okh03]. **Autonomous** [BFMBS11]. **Auxiliary** [DZ00, KR16]. **Average** [BLP18, BGN10, BMMR11, BMMR12, CS93, DN16, FZAM08, KMIS09]. **Average-Case** [BLP18]. **Averaging** [CM12, Ste11]. **Avoidance** [Sha04]. **Avoiding** [CRSZ11, GS12b, ORS08, Ram05, WAG+06]. **Aware** [LBJ03]. **Axiomatic** [Bur12b]. **Axioms** [HST01]. **aying** [FMV13]. **B** [Lag17, LF96, OM96]. **B-Trees** [Lag17, LF96, OM96]. **Babai** [GGJ+19]. **Back** [GH15]. **Backbone** [FPPS03]. **Backtracking** [MT95b]. **Backward** [FL09]. **Backward-Oracle-Matching** [FL09]. **Balance** [JL01, LF96, MMR10]. **Balanced** [CZTH13, CS00a, Fle96, Lag14, LW93, LL16, MX11, RAB15, YTP11, ZWW+14]. **Balancing** [Hei97, MD00, ST01]. **Banded** [BL01]. **Bandwidth** [GR03]. **Banishing** [HJV93]. **Banyan** [KR97]. **Barrier** [GM19, Uen13]. **Base** [DRDN08, FZ03, Hon06, MP91]. **Base-Station** [DRDN08]. **Based** [ADR11, ARS11, ABL+11, AH07, BCB12, BK95, BNR99, BDDN01, BKS12, CCM11, CP06, CDPT16, CCD07, CST+17, CK18, CVDV10, DPS93, DEZ01, FDFZB12, FZT14, GWL02, GR03, HK02, HO99, HW10, JC03, JK07, LHT09, LTZ12, LH11, Luc09, MLO17, MM07, MMS17, MMS05, ND02, NKW08, NSVA12, Okh03, PRN13, Qua07, RK09, RR04, SB12, ST01, SL17, TWZ11, TYM+17, Tor13, Tor15, Tse16, VG01, Ver09, WHLH17, WD03, XHLF02, XCX16, YTLC02, YW06, ŽM11, ZPXX17, ZGCZ18, vLW15, FBK05, ZWCL14]. **Basic** [BV08, Vor18]. **Basis** [Sub90a, Sub90b]. **Batch** [DFLL02, LLQ06, PY04, ZPXX17]. **Bayesian** [ZLW+17]. **BDD** [FBK05]. **BDD-based** [FBK05]. **Be** [AAV00]. **Becomes** [KM07b]. **Beeps** [EP17]. **Before** [BSS12]. **Begins** [BSS12]. **Behavior** [AC05, EH12, SB01, TCT14]. **Behavioral** [BCB12]. **Behaviors** [PQ06]. **Behaviour** [PR12]. **Belated** [Tse16]. **Benford** [Rav08]. **Bent** [XCX17, ZLL11]. **Bernays** [RS95]. **Beta** [CS18]. **Beta-Shifts** [CS18]. **Between** [CLT09, Faz08, Fia08, GGJ+19, HKS13, HN10, KA18, Láz13, Sal13, ZYZ+18, ZWS96]. **Beyond** [FGH+07, HJ13, RKRR02]. **Bi**

[GV03, NS13]. **Bi-Cographs** [GV03]. **Biautomata** [HJ14, HJ16]. **Bichromatic** [MB17]. **Bideterministic** [Tam08]. **Bidirectional** [BGM⁺18, GMNS15]. **Bifurcation** [APMP17]. **Big** [MLO17, MMS17, ZLW⁺17]. **Bimonoids** [DP14]. **Bimorphisms** [MT10]. **Bin** [BDI⁺11, FFMW19, HJP⁺13, JZ16, MV11]. **Binary** [Ata07, BMS18, CRSZ11, CDJ09, CKZ17, CS00a, DSS15, HH12, HH11, HFLD09, Hol11, IN08, JS03, KYZS17, KK90, LZGN06, OW92, PS12b, RAB15, Sal07, Sha04, Smy12, Vor16, XZS16, YB06]. **Binding** [AES18, AB17b]. **Binoid** [GN11]. **Binomial** [ZCC15]. **Bio** [DH05, MB06]. **Bio-Computation** [MB06]. **Bio-Operation** [DH05]. **Bioinformatics** [KKS05b]. **Biological** [LJH⁺17]. **Biology** [RCTC⁺09]. **Bipartite** [FGV99, GV03, LV08, Tos06, WQY16, Won96, Won01]. **Bipartitioning** [HT95]. **Bird** [Ami05]. **Bisemigroup** [GN11]. **Bisimulation** [AHK07, ABH⁺09, MC13]. **Bisplit** [GV03]. **Bit** [BT17, CF06, CCF09, DD13, DES09, HN06]. **Bit-Parallel** [CF06, CCF09, DD13, HN06]. **Bit-Split** [DES09]. **Bitonic** [INY07]. **Bitwise** [FNI16]. **Bivariate** [TWZ11]. **Black** [CS96, DSS08, HHP17, MC02]. **Black-Box** [HHP17]. **Blackbox** [WCD⁺14]. **Blackwell** [GZ12]. **Block** [BLLS03, LJ17, MRRV06]. **Blocking** [Dai97]. **Bloom** [Sal18]. **Blow** [JJS08]. **Blow-Ups** [JJS08]. **Blum** [Câm14]. **Bond** [KKS05a]. **Bond-Free** [KKS05a]. **Bonsai** [PPR18]. **Boolean** [BB99, BJY90, BLY12, CM92, CH15, Car11, CLMP16, DQFL12, ÉK07, FY11, Hea11, HSS07, IP08, KY90, LO10, LHG11, Okh06, dSMOC18, PP11, Sch10, SS01, SFL17, SH17, TCT14, TJZ13, ZWCL14, ZWW⁺14]. **Bootstrap** [DVG03]. **Bordered** [GRRS14, KM07a, KM08]. **Borders** [ŠM07]. **Bottlenecks** [JYF91]. **Bottom** [FSM11, Gaz06, Mal15]. **Bottom-Up** [FSM11, Gaz06, Mal15]. **Bound** [BBP11, CE98, FY08, HPP99, Uen13, ZSW14, ZG13]. **Boundary** [DRDN08, EH15, Fre02]. **Bounded** [BLM04, CFM12, CRSZ11, DDD18, De 06, DFLL02, DGMM15, FCS05, IJT⁺93, IS12, JZ16, LNP16, LZ93, MMP10, Mee12, Pet11, PZX07, Vik96, WLF03]. **Boundedness** [vdM00]. **Bounds** [ADD⁺18, BKM15, BE19, DH18, Dom04, DSS15, Gus13, HHH07, JWB03, LHG11, MV11, SNJ11, Uen13, YS13, ZK19, dBDZ19]. **Box** [HHP17]. **Boyer** [CFG12]. **Branch** [HPP99]. **Branch-and-Bound** [HPP99]. **Branching** [Bed18, PSA17]. **Brane** [CP06]. **Breadth** [CCR⁺90]. **Breaking** [Uen13]. **Bridge** [Láz13]. **Bridges** [GD98]. **Broadcast** [Anc02, CFMS15, LAHN14, Nak04, PZX07]. **Broadcasting** [CYS⁺12, HT09, PP06, WD03, XLC⁺04]. **Broken** [AAV00]. **Brownian** [Nis07]. **Browsing** [DE08]. **Bruijn** [BGM⁺18, KX12, Noc98, NS98, WRNK03]. **Brute** [CCP05]. **Brzozowski** [DN16, GLV14, SKW08]. **Büchi** [FKV06, KL11]. **Buffer** [DLC⁺14]. **Bulk** [CCG⁺11, FNI16]. **Bundles** [LWW00]. **Burnside** [KPS18]. **Bursty** [SK04, SB17]. **Buses** [BT00, Mat04, PA98, WH03]. **Buy** [CCG⁺11]. **Buy-At-Bulk** [CCG⁺11]. **Byzantine** [PP06]. **Cache** [Leo03]. **Caching** [BLR09]. **Cactus** [TSFZRP17]. **Calculi** [AH07]. **Calculus** [BDSV06, CP06, DL12, Kri92, Oga00, PT90, Pym92, RS95, Yue13]. **Can** [AAV00]. **Cannot** [KPS18]. **Canonical** [BJ05, BJ06, BJ07b, CC05, FGV99, GSZ09, MAN05, WM13]. **Cantor** [Ési12, Sta05]. **Capacities** [Li12b]. **Capacity** [BKM12, DST10, FL97, Li12b, Zet11]. **Captures** [DW03]. **Capturing** [FW90, ISAZ08]. **Cardinals** [Fin19]. **Care**

[Ros03]. **Careful** [Vor16]. **Carpi** [Ber11]. **Carriers** [GH07]. **Cartesian** [MRT95, Ole92]. **Cartesian-Closed** [MRT95]. **Cascade** [WGD18]. **Cascading** [Sal18, Sub05, Wan14]. **Case** [BLP18, BMS12, BDC90, DN16, FK06, Fle96, KP10b, Lag17, PSA17, YH11, ZSW14]. **Cases** [BCR11]. **Catalytic** [HFLD09]. **Categorical** [Sak01]. **Categories** [MOM91, Oli13, RGR11]. **Category** [ÉM11, MRT95, Ole92]. **Catenation** [CLMP16, CGKY11, CGKY12]. **Catenation-Intersection** [CGKY11]. **Catenation-Reversal** [CGKY12]. **Catenation-Star** [CGKY12]. **Catenation-Union** [CGKY11]. **Catenations** [Mel93]. **Caterpillars** [AB17a]. **Cauchy** [Ruo96]. **Cauchy-Peano** [Ruo96]. **Causal** [BCB12]. **Cayley** [BK16, CP99, CL07a]. **CCZ** [BH11]. **CCZ-Equivalence** [BH11]. **Cd** [FO08, BCVVH07, CVDV10, MO09, Sun05]. **CD-Systems** [MO09]. **CDS** [Fuj16]. **Cell** [AFO06, RCTC⁺09]. **Cell/Symbol** [AFO06]. **Cellular** [DJ12, Dub95, FZ03, GSD03, JHK08, Mar08b, Sir15]. **Centralized** [Ott13]. **Cerný** [GGJ⁺19, Ste11]. **Certain** [KRK16, Sal11, Won01]. **Certificate** [ZGCZ18]. **Certificate-Based** [ZGCZ18]. **Certificateless** [DZH16]. **Certify** [GHWZ05]. **Chain** [GSZ99, JSO10]. **Chains** [DI02, DHR08]. **Chandra** [KMW12]. **Change** [CTS18]. **Changes** [LZ93, Vik96]. **Channel** [BBL⁺12, BNS03, GSD03, HLH19, NN93, Nak04]. **Channels** [MG14, YBM11]. **Chaos** [EMRB12]. **Characterisation** [D's03]. **Characteristic** [IB12, LCXS19]. **Characteristics** [OS01]. **Characterization** [ÉI14, KM17, MM05, MCS08, Mar08b, Okh05, OS93, Ric19, RW11, YTN01]. **Characterizations** [IS12, JM03, KSV00, OY11, PPJY08]. **Characterizing** [IW07, JC03]. **Charts** [EGPS10]. **Checking** [CGR13, CFH⁺03, EHK06, HW10, LD01, Sch10, YW06]. **Checkpoint** [PNN⁺10]. **Checkpointing** [GCK08, MM07, YSM⁺00a]. **Chemical** [HFLD09, KPM15]. **Choffrut** [BMY17]. **Chomsky** [DV14, PPJY08]. **Choose** [INY07]. **Chord** [CCF08]. **Chordal** [FHL07, NS13]. **Christian** [BMY17]. **chunk** [AP92a]. **Church** [AD12, KM07b]. **Ciliate** [DH05]. **Ciliates** [BHR09]. **Cipher** [LJ17]. **Circle** [Klo96a]. **Circuit** [Bir11, LWJ⁺10, RVT06, Vin05]. **Circuit-Size** [Bir11]. **Circuits** [FGH⁺07, GB03, GRB03, IP08, PRS98, SUZ13, YB06]. **Circulant** [HSS19, SZQS18, YCTW10]. **Circular** [Asv07, DS96, GP17, MM97, MMR10]. **Circular-Arc** [GP17]. **Circulating** [SK01]. **Circulation** [GS12a]. **Circumscription** [Lis93]. **CKY** [BIIN04]. **Class** [AGM14, BS92, CPJ06, ERW04, Has00, Jai95, MR11, MN00, Oka99, Sch13, TCT14]. **Classes** [Arv97, AP90, ABDP05, CCPS04, CM92, Cap96, GO09, Géc07, GR00, HT12, HK95, KSV00, LV08, NCC⁺07, SH17, UU07, XZS16, XCX17, vLW15]. **Classic** [IN13]. **Classical** [BMP15, Fia08, Oga00, ZQL12, CV13]. **Classification** [ATK12, SKL03, ZLW⁺17]. **Classifying** [SWZ97]. **Claus** [HHH07]. **Clauses** [FGL⁺90, SN13]. **Clique** [BLM04, DJL⁺07, GR00, LV08, MR99, MM97, Ste93]. **Clique-Width** [BLM04, GR00, LV08, MR99]. **Clock** [D's03]. **Close** [Fre02]. **Closed** [MRT95, Ole92, TW09]. **Closeness** [AO11, Dan11, YB19]. **Closure** [CK08a, DMMM14, HIIW01]. **Closures** [BGS11]. **Cloud** [MLO17, WHLH17, YMC⁺17, ZLW⁺17]. **Cluster** [ABL⁺11, BBP11, Ber13, BNR99, IN08, URS07]. **Cluster-Based** [ABL⁺11, BNR99]. **Cluster-Dot** [IN08]. **Clustered** [CDFK19, FPP03]. **Clustering**

[BKS12, CL03, CHWX09, ECY02, FPPS03, MMS05, ZC05]. **Clusters** [BLMR05, CFMR05, CVOV11, LCVLV09, SK03]. **CMP** [For10]. **Co** [BLM04]. **Co-Gem-Free** [BLM04]. **Coalgebras** [Oli13]. **Coarse** [MS99a]. **COCOON'02** [IZ04]. **Code** [DK12, ND02, PR11, Rud15]. **coded** [GP13]. **Codes** [AGM14, BKST18, Bur12a, CFPR03, GMNS15, GRB03, HS11, HSS19, Kun16, Leo03, LZ15, SZQS18, WGF16, WF17, YTP11]. **Codewords** [Arn17]. **Coding** [CIY01, CK08a, KKS05b, ŠM05]. **Cographs** [GV03]. **Collaborative** [SP04]. **Collage** [IST05]. **Collapsing** [APV06, BZ10, Pri06]. **Collision** [Nak04]. **Colonies** [MCS08]. **Colony** [KAPF05]. **Colored** [AFB96]. **Coloring** [Bod91, BHK⁺18b, CKK02, SG04]. **Colorings** [GHJS05, IZN99]. **Colouring** [SS99]. **Colourings** [JP08]. **Combination** [HW17]. **Combinations** [CB09]. **Combinatorial** [ACDL18, CCF08, DD06, MM05, TV07]. **Combinatorics** [BS12, BMMR11, EMR10, GHS13, IZ04]. **Combinatory** [RS95]. **Combined** [CLMP16, CGKY11, CGKY12, SY07, ACM11]. **Combining** [Bar90]. **Common** [AILR16, AE05, DD13, IMP⁺05, KS10, LW05, LW06a]. **Communicating** [BKM11, BKM12, BKM15, CCF07, CVMVMV00, DPS97, Kri92, LRT92, MS07, MVMM02, Ott13, Ott15, Tru08]. **Communication** [Ada10, BV98a, BF97, BKM15, DHIÖ97, DDPS19, FL97, LC18, Nak04, PPR02, Špr09, YBM11, ZC13, ZYYH14]. **Communications** [CCM97, RVT06]. **Community** [ROK08]. **Commutative** [BH11, MR91]. **Commutativity** [IDR97, MS12]. **Commuting** [Cai94]. **Compact** [BMS12, PPR18]. **Comparative** [OM96]. **Comparing** [Sal07]. **Comparison** [FA06, HT12, KA18]. **Compatible** [MIN11]. **Competence** [BCVVH07, CVDV10]. **Competence-Based** [CVDV10]. **Competitive** [Leu04, ZZZ16]. **Competitiveness** [Pal03]. **Compiler** [DVG03]. **Complement** [Jir14, O'N15]. **Complementation** [Bed18, FKV06, JJS05, RC05]. **Complements** [HP09b]. **Complete** [ABH17, BGI⁺18, DK11, HW10, LD01, MW05, RWZ01, RS01, ZYLW12, GP13]. **Completely** [DVG03]. **Completeness** [ABDP05, FOP05, HJV93, LBL06, Zan91]. **Completing** [BCHK09]. **Completion** [BZ13, DFLL02, DK11, LLQ06, MMY10, PY04]. **Completions** [ST16]. **Complex** [Brz13]. **Complexities** [Jir14, Sch02, TY15]. **Complexity** [Ada10, AFO06, AOSY10, AP92b, Arv97, AP90, BGN10, BHK19, BAK12, BPT16, BFL02, Bod91, BT17, BHN04, BMMR11, BLY12, BL12, BT13, BL14, BCC13, CSR12, CK08a, Cãm14, CLMP16, CRSZ11, CK16, CDM13, CS93, CGKY11, CGKY12, Dai97, Das04, DLW02, DG98, DM08, DK12, EH15, EHS15, FH05, FZ13, FL97, GY12, GPS14, GH15, HS08, HKNS16, HT12, Hol11, HK03, HK09b, HK11, HJ14, HJM19, IDR97, IR14, IYZ04, JS02, JMR91, JJS05, JM11, Jür08, KEH16, KLH16, KSV00, KLS05, KO13, Leu05, Lis93, Loh05, LMW08, Lüc18, MNS18, MTVM09, MTVM15, MT95b, MB06, NRS18, NB18, O'N15, PS02, PR11, Prů17, Rao08, RR18, Rya15, SS07a, SY07, SMS90, Sch10, SW17, SD16, Sum05, Toš06, TL99, VW93, WAG⁺06, Wid12, WP08, XZS16, YS13]. **Complexity** [YTLC02, YWY94, Yen08, ZZT91]. **Complexity-Theoretic** [FH05]. **Component** [IN10, NB18, ZYZX18]. **Components** [BGMV08, CVOV11, DL12, JHK08, LCY12, Mas09, Ott13, ST11]. **Composed** [ABH⁺09]. **Composite** [AO10]. **Composition** [AM09, ARS11, BCDP08, Wan04].

Compositional [TW09, WM13].
Compositionality [FT09]. **Compositions** [Mal18, Teh18]. **Compressed** [HI18, IST05, IB12, KS06, KSS08, Loh10, MHT09, WF17].
Compression [CDLW05, CK08b, DM05, De 06, KM90, KK05, Sal18].
Computability [Bur12b, Gra90, LS98].
Computable [BS92, CZ11, SS12a, Sch02].
Computation [AHR02, BDL08, CMRR08, DW03, EL13, FNI16, GO09, GRV10, GS12a, GR03, HL04, HN06, Lüc18, MB06, Nis03, PDPPJ11, RZ12, RS17, ST11, SP04, SZQ⁺17, VP99].
Computational [BKM12, BZ10, DLW02, FOP05, GKS17, HK09b, IPR07, JWB03, JS02, LMM⁺12, MT95b, NB18, SD16, Sir15, WAG⁺06].
Computations [Bee95, CD15, CE98, CK18, DK98, HK09a, HFLD09, LD01, Mee12, YSM⁺00a].
Computer [TH01]. **Computers** [Rya15, Sah01]. **Computing** [AETZ05, AO10, BMSMT11, BFL02, Cai94, CZOdIH17, CLW09, CMMR04, CMWZ19, EAB⁺16, FJ12, FKT07, FT11, GPPJR13, GCK08, Hea11, HO00, IZ04, LTZ12, Li00b, MLO17, MDL97, Obt01, Obt06, Pal01b, Päu00, PPR02, PPJR07, RS00, RR04, RC11, SVSN01, SGZ02, Sto92, SUZ13, TZ11, UU07, WP08, XFJ03, Yue13, ZZT91, Zom03].
Concatenation [JJS05, Okh07].
Concentration [Dai97]. **Concept** [BOV08, DE08, Jai98, ROK08]. **Concerning** [CCF08, Hon02, IR14]. **Concurrency** [Luc09]. **Concurrent** [BPT16, BET03, Dro92, DK98, MM07, PQ06, SKW08].
Condition [MP07, Mel93, Pal08, ZWW⁺14].
Conditional [GTCV19, LW05, LW06a, LYH⁺15, LYG17, MLO17, ZCX12].
Conditions [FT09, FO08, LBL06, Oka00, WFG15].
Conference [IZ04, SNJ11].
Confidentiality [SZQ⁺17].
Confidentiality-Preserving [SZQ⁺17].
Configuration [WC04]. **Conflicts** [MSR06].
Congestion [GKKP99, KKP97, ZYYH14].
Conjecture [AV96, BMY17, Ber11, SFL17, PHPJRN⁺11, Ste11]. **Conjectures** [GGJ⁺19, RS04]. **Conjugates** [BMR⁺14].
Conjunctive [AK14, DR94, Jež08, Okh03].
Connected [AWF03, DWS15, ET14, Iba02, IN10, JHK08, KK10, KPS18, Li01, MTNN99, MNN06, ST11, Tor15, WAF03].
Connection [WGD18]. **Connections** [DM08]. **Connectivity** [CV14, FP04, HLHH06, LLY13, LX17, NPSY00, Tsi06, WFG15, ZYZX18, NS13, WC13]. **CoNP** [RWZ01]. **CoNP-Complete** [RWZ01].
Consensus [BvdB18, RS13, SK01].
Consequence [BK95]. **Conservativity** [Sel98]. **Consistency** [ADR11]. **Consistent** [YSM⁺00a]. **Constant** [ANDZM09, CL98, FZCFB08, FT11, JYF91, Lag17, LZ15, NS18, OW92, Smy12, Sun00, WQ97].
Constant-Degree [CL98]. **Constant-Free** [NS18]. **Constant-Memory** [Smy12].
Constant-Width [JYF91]. **Constrained** [AE05, CFM13, CHWX09, GD12, NCC⁺07, RAB15, Tor13]. **Constraint** [MZ01].
Constraints [ADR11, AE02, BB03a, Com90, FTT10, FM01, FS98, GR03, JSO10, LTW02, LOPR18, MN00, NN93, PYTH10].
Construct [GKSZ19]. **Constructing** [AAA⁺09, CPY02, CC05, DH96, MC02, PS12b, TJZ13, XC15, YCTW10, ZH13, ZWCL14]. **Construction** [BF07, CGL12, DD08, FZT14, HYT15, HHP17, KKS05a, LW06b, MOSZ18, MDL97, Sak01, Set08, SKW08, WF17, WZ15, Zho02].
Constructions [DQFL12, LL16, SNJ11, Sal13, WPZ16, WKS⁺08]. **Constructive** [BRSRC11, Fre08, Oga00].
Constructivizing [Arv97]. **Constructors** [Huy91]. **Constructs** [HST01].
Containment [NRT00]. **Contended** [SB01]. **Content** [Cig04, GSZ09]. **Context** [Asv07, BMS92, BCR11, BCD14, BESW07, BHK05, BIIN04, DV14, EIM18, ÉO13,

FLST12, GKRS10, HKS13, HW10, KK07, Kog18, KRK16, KM07b, LO13, Mig90, Ott13, Pal08, Rav08, Rei07, Sao92, Tei17, Tra02, Tru08]. **Context-Free** [Asv07, BCR11, BCD14, BESW07, BHK05, BIIN04, DV14, EIM18, ÉO13, FLST12, GKRS10, HKS13, HW10, KK07, KRK16, LO13, Mig90, Pal08, Rav08, Rei07, Sao92, Tei17, Tra02, Tru08]. **Context-Freeness** [Kog18]. **Context-Sensitive** [Ott13]. **Contexts** [CFRD08, Has00]. **Continuous** [CZ11, GFK98, RHS10]. **Continuous-Space** [CZ11]. **Contour** [BLL06]. **Contribution** [Rov00]. **Control** [DCS13, ES01, FK06, HST01]. **Controllability** [MH06]. **Controllable** [SSS09]. **Controlled** [DST10, DEKZ11, MVM07]. **Convergecast** [AHL⁺13]. **Convergence** [MV11]. **Convergent** [ECY02]. **Convertible** [LHT09, LH11]. **Convex** [CLW09, DRDN08, MAN06, MNN06]. **Convolutions** [Zha17]. **Conway** [FNI16]. **Cooking** [GW18]. **Cooperating** [FFH15, Kar09, Mas09, MO07]. **Cooperation** [ARV07, SB12]. **Cooperative** [FZ02]. **Cooperativeness** [MH06]. **coordinate** [ACM11]. **Coordinated** [GCK08]. **Core** [Teh15]. **Cores** [MX11]. **Correcting** [GRB03]. **Correctness** [Bee95]. **Correlation** [EAB⁺16, GK11]. **Correspond** [BLS⁺05]. **Correspondence** [DRS14, Fin12, HH11]. **Corrigendum** [MS16a]. **Cost** [DGN07, FH05, For10, HI18, OW92, TV94, WHLH17, WO03]. **Cost-Effective** [WHLH17]. **Cost-Optimal** [WO03]. **Countable** [Bed18, RC05]. **Counter** [EIM18, IJT⁺93, IDY08, Pet11, SY12]. **Counterexample** [CFH⁺03]. **Counterexample-Guided** [CFH⁺03]. **Counters** [CR15, INY07, Rao08]. **Counting** [AČ11, CP03, CCP18, GO09, MR11, SJ04, Toš06, ZSW14]. **Cover** [CPY02, CGH05, CYS⁺12, HW17, Kör03]. **Coverability** [GRV10]. **Coverage** [CDM13, FK13, GM19]. **Covering** [DS96, GGR14, YB06, ZBS05]. **Coverings** [TSS13]. **Covers** [CCP05, ER06]. **CP** [YMC⁺17]. **CP-ABE** [YMC⁺17]. **CPS** [Oga00]. **CPS-Calculus** [Oga00]. **CPU** [CYZ14]. **Crawlers** [LKM02]. **Credit** [Tse16]. **Credit-Based** [Tse16]. **Crick** [KM08]. **Criteria** [HL04]. **Critical** [DW04, HB06, SS12a, Sun11]. **Crochemore** [FJ12]. **Cross** [WM05]. **Cross-Pollinating** [WM05]. **Crossed** [LC18, Tru08, ZFL⁺17]. **Crossing** [BPT06, ST16]. **Crosstalk** [KAPF05]. **Crowd** [Sir15]. **Cryptographic** [DQFL12, FY11]. **Cryptography** [CST⁺17]. **Cryptosystem** [LHT09]. **CTL** [MTVM15]. **Ctl*** [CZ11]. **Cube** [CX98, LC18, PS12b, ZYYH14, ZFL⁺17]. **Cube-Free** [PS12b]. **Cube-Of-Rings** [CX98]. **Cubes** [CLT14, DG98, ZCX12]. **Cuboids** [JSPD03]. **Curve** [Fre02]. **Customizing** [LX94]. **Cycle** [GP15, LCXS19, NS98, Ros00, Won96, Noc98]. **Cycle-Stealing** [Ros00]. **Cycles** [APMP17, DH18, GKSZ19, Won01, ZFL⁺17]. **Cyclic** [DESW05]. **Cyclotomic** [XZS16]. **Cyclotomy** [XCX16]. **D** [CHWX09, FFMW19, HJP⁺13, JSPD03, JW08, Leo03, LJ17, SJ04, ŽM11]. **DOL** [Hon02, Hon06, Hon07, Sal07]. **DAGs** [CR14, PRS98]. **D'Alessandro** [Ber11]. **Dassow** [BRST07]. **Data** [ATK12, BSG03, KY96, LOD07a, LOD07b, Lin08a, MLO17, MMS17, Oka99, Oka00, RGR11, RR06, Ros00, SKL03, Sal18, TV14, TZ91, WHLH17, YZY⁺18, YMC⁺17, ZPXX17, ZLW⁺17]. **Data-Parallel** [Ros00]. **Database** [HMZ05, Lin08b, SEE99]. **Databases** [Lar98, MT95b, VS93]. **Datacube** [Poo04]. **Datalog** [vdM00]. **Datawords** [MR11]. **Date** [KS10]. **Davidson** [HO99]. **DDOS** [DEKZ11].

De-Quantisation [CCM11]. **Deadlines** [PZX07]. **Deadlock** [BDC90]. **Dealer** [Sun00]. **Death** [EMR10]. **Debates** [YSD16]. **Decaying** [FIO08]. **Decentralized** [MMS05]. **Decidabilities** [BKM15]. **Decidability** [AT12, BHK19, BAK12, BCD14, Bur12b, DS05, DK12, Dur13, FM13, Gaz06, Loh05, RHS10, Yen08]. **Decidable** [AGM14, CRS12, Man15]. **Decide** [DK11]. **Deciding** [Dai97]. **Deciphering** [GMNS15]. **Decision** [CMWZ19, DH05, DMSS16, IR14, MVM07, ZB00, ZB02]. **Decisions** [Cig04]. **Decoder** [BBFZM06]. **Decoding** [GMNS15, OSZ92]. **Decomposable** [FGV99]. **Decomposition** [CFPR03, Dic93, FGV99, Joh00, MAN05, SVF09, Yen09, ZWCL14]. **Decompositions** [AACR18, CSV02, DS05, PR00]. **Decontaminating** [FHL07]. **Decontamination** [LPS07]. **Decryption** [CCD07]. **Dedicated** [BRST07]. **Definability** [BV98b, ES01]. **Definable** [DK98]. **Defined** [DH05, EMR11, Hut02, JP06]. **Definitions** [Kam95, Moh03]. **Degenerate** [BRM07, IMP12, LJH⁺17]. **Degree** [ABT16, Asl16, AHK17, AO10, AA13, BTO17, BB04, CL98, DH96, HL01, HLY⁺04, KA18, LDLW17, Tor13, WLF03, WQ97]. **Degree-** [DH96, HLY⁺04]. **Degrees** [EKKS18, Won96]. **Del** [KRK16]. **Delaunay** [Dev02]. **Delay** [GMNS15, JS97]. **Delays** [LLZ07]. **Delegators** [RS07]. **Deleting** [KO13]. **Deletion** [AB91, De 06, GMU15, KS11, PPJY08]. **Deletions** [WAG⁺06]. **Delta** [BLS⁺05, KSS08, dSMOC18]. **Demand** [HT09, IZN05, PZX07]. **Demonic** [Tha91]. **Dendric** [BDD⁺18]. **Dense** [MX11]. **Density** [DSS15, EIM18]. **Dependability** [ABL⁺11]. **Dependencies** [BV08, Lin08b]. **Dependency** [YJ05]. **Dependent** [DGL93, WG17]. **Deployment** [FZ03]. **Depth** [BS92, BLS⁺05, CCR⁺90, KL12, Pro96]. **Deque** [CCR⁺90]. **Derandomized** [SS01]. **Derandomizing** [Vin05]. **Derivation** [DFP99, Mas09]. **Derivations** [CVDV10]. **Derivative** [BMMR11, BMMR12, SL17]. **Derivative-Based** [SL17]. **Derived** [GLV14]. **descent** [ACM11]. **Description** [GM90, KRK16]. **Descriptive** [Câm14, Das04, DM08, GH15, HT12, HK03, HK09b, HJ14, HJM19, KO13, Leu05, LMW08, Mer08, Sun05]. **Descriptions** [DK12, Pin12]. **Descriptive** [CS93, WP08]. **Design** [AMR05, CCG⁺11, KR97]. **Designated** [Ver09]. **Designed** [GD12]. **Designing** [FZEBB05, SK03]. **Designs** [PRS98]. **Detailed** [ZPXX17]. **Detection** [EP17, Nak04, San13]. **Detectors** [Huy91]. **Determination** [AHR02]. **Determine** [FSWF11]. **Determined** [Géc07]. **Determinism** [CL15, HKKŠ13]. **Deterministic** [Ada10, AMR08, AHK17, BBK17, CDPR11, CCFS07, EP17, GLV14, Gia11, Glö10, HPP99, HJK18, IS12, JM13, JJS08, KZ10, LO13, Löd15, Mas13, MO09, MC13, OS01, Pig09, Slo95, WF17]. **Determinization** [CCP05]. **Deutsch** [CCM11]. **Developable** [Fre02]. **Development** [McN90]. **Developments** [GVL07]. **Deviation** [DPS99, MPS99]. **DFA** [AV96, NKW08, SKW08]. **DFA-Based** [NKW08]. **DFCA** [CP03]. **DFT** [SEE99]. **Diagnosability** [ZCX12]. **Diagnosis** [BCB12, SL17]. **Diagnostic** [CLT14]. **Diagram** [WGD18]. **Diameter** [GKS⁺19, NS98, Noc98]. **Diameter-Optimally** [GKS⁺19]. **Dictionary** [AE04, De 06]. **Difference** [BMP03, CZTH13, LL16, Van05, YTP11]. **Differences** [Aku06]. **Different** [GJKS18, Leu05]. **Differential** [ABDP05]. **Differentially** [XC15, ZZC15]. **Diffusion** [BCC⁺11, Hei97]. **Digit** [HP09b]. **Digital** [KPS93]. **Digitized** [SMAN13]. **Digraphs** [QFL⁺15]. **Dimension** [DG98, LZ15].

Dimensional

[AGM14, AE99, BT00, BKP18, CdL04, DJ12, Dub95, JZ16, JP06, KPSC08, LR04, NR18, Prů17, SKL03, SMAN13].

Dimensionality [BHL⁺97]. **Dimensions** [KKH90, Poo04]. **Diophantine**

[CE98, IDY08]. **Direct** [SB12]. **Directed** [ADD⁺18, BPR09, FZFDCHB05, KLB13, RR18]. **Direction** [BF07, FS98]. **Directory** [ADR11]. **Directory-Based** [ADR11].

Disambiguation [Moh13]. **Discontinuous** [ÜS02]. **Discord** [EGPS10]. **Discounting** [CM12]. **Discrepancies** [EGPS10].

Discrete [BDG⁺11, BLL06, CZ11, DPR07, JRPIP08, Yen08]. **Discrete-Time** [CZ11].

Disequilibrium [VJDT05]. **Disjoint** [BT07, DH18, GSZ09, HKV17, LPC11, RLWW96]. **Disjoint-Paths** [LPC11].

Disjunctive [DR94]. **Disk** [CYS⁺12, Fuj16]. **Distance** [KD99].

Distance [AE04, CZOdIH17, CB09, CMR07, HKS13, HL01, HLY⁺04, HI18, Li07, Moh03, PRN13, YHK14, ZWS96]. **Distances** [ST99].

Distinct [LZGF16]. **Distributed**

[AETZ05, AHR02, ABL⁺11, BCB12, BB04, BKS12, CLT14, Cig04, DCS13, DEMT05, FFH15, FBHH01, HPP99, KK10, KG11, KBH99a, KSV03, LTZ12, Mas09, MO07, MV11, Pal01b, SK01, San13, SF07, SP04, Tsi06, WLF03, WC04, WRNK03, XS11, YSM⁺00a, ZC05]. **Distribution**

[AS18, BBM⁺12, Cas95, DG98, MMR10, PNN⁺10, RR06, Rav08, SNWW06, SNJ11].

Distributions [Gol90]. **Diverse** [BGI⁺18].

Diversity [Qua07]. **Diversity-Based**

[Qua07]. **DLOG** [Gre96]. **DNA**

[ANDZM09, CK08a, DW03, FMC04, FK05, FKT07, IMP12, Sal18]. **Does** [MCM⁺11].

Domain [CGH05]. **Domains** [Dro92].

Dominance [SJ04]. **Dominating** [AWF03, DWS15, KK10, NGHK15, Tor15, WAF03].

Domination [HKT00]. **Dominoes** [RR99].

Dot [BS92, BLS⁺05, IN08, JP06, KL12].

Dot-Depth [BS92, BLS⁺05, KL12]. **Double**

[AMR11, CHA⁺92, CS99, HSS19, LOZ98, MB03]. **Double-Ended** [CS99].

Double-Tape [AMR11]. **Doubling** [APMP17, Wid12]. **Doubly** [Lin08a].

Doubly-Linked [Lin08a]. **Down**

[BCC⁺96, LW93]. **Download** [Li12b]. **DP** [CV13]. **Dragon** [SSS13]. **Drawing**

[DEKW06, Pat06, ZH06]. **Drawings**

[ADD⁺18, MAN06, MNN06]. **Drip** [CP06].

Driven [BESW07, DS02, NKW08]. **DSMS**

[ST01]. **Dual** [CLT14, DRS14, HL04, HSS19, LPC11, Okh07, SZQS18, ZCX12, ACM11].

Dual-Cubes [CLT14, ZCX12]. **Dual-Net**

[LPC11]. **Due** [KS10]. **Duplication**

[DGMM15]. **Duval** [HN04]. **Dynamic**

[BV98a, BDC90, CFMS15, Cas95, CZ11, DEZ01, GWL02, GR03, Hei97, HI18, JP07, KG11, KK90, Lag14, LOD07a, LOD07b,

Li00a, Lug11, MO94, MD00, NWK05, NWK06, PPR18, PFG⁺01, Rud15, SK04,

TZ11, Wan14, XFJ03]. **Dynamical**

[PBMZ06, Toš06]. **Dynamically**

[CVPV08, LCVLV09]. **Dynamics** [MB06].

e-Normalization [Moh02]. **e-Removal**

[Moh02]. **E-Unification** [GJV00b]. **Earliest** [FSM11]. **Earliness** [KS10].

Earliness-Tardiness [KS10]. **Early**

[PPJS07]. **Easier** [Lug11]. **Eco**

[LK11, LCVLV09]. **Eco-Grammar**

[LK11, LCVLV09]. **Eden** [Toš06]. **Edge**

[AB91, BAK12, BS16, Cal15, CV14, DJL⁺07, ET14, GMU15, KA18, LDLW17, LLW18, NPSY00, ST11, Tsi06, WFG15, ZYZX18].

Edge-Deletion [AB91].

Edge-Path-Replacement [LLW18]. **Edges**

[DEKW06]. **Edit** [AE04, CZOdIH17, CB09, HKS13, HI18, Moh03, PRN13, YHK14].

Edit-Distance [HKS13, Moh03]. **Editing**

[FM96, ZWS96]. **Editor** [Zom01c].

Editorial [AETZ05]. **Editors**

[Hsu98, NO99]. **EDZL** [WR16]. **Effect**

[CL07b, FPS02]. **Effective**

[Ruo96, SS12b, WHLH17]. **Effectively**

[YMC⁺17]. **Efficiency** [EH12]. **Efficient** [ADHR09, ARS11, Anc02, BBFZM06, BRM07, BS01, BB03a, CPY02, CF06, CCF09, CCD07, CDJ09, CL10, DHIÖ97, DCS13, DZH16, ERW04, FL09, FZFDCHB05, FLP13, FG08, GLV14, GRV10, GSD03, GS12a, GRB03, HYT15, Huy91, INY07, IMS03, Kör03, LF96, LOD07a, LOD07b, Li01, MD00, MIN11, MHT09, MOSZ18, MC13, NGHK15, Okh03, PT14, Ros03, SK04, SUZ13, TWZ11, TFF18, Tsi06, WKS⁺08, WRNK03, WY05, ZZ18, ZC05, dSS01]. **Eigenvalues** [QD03]. **ELAN** [BKKR01]. **Election** [AOSY10, FDFZB12, FZAM08, XS06]. **Electronic** [FK06]. **Elegant** [PRN13]. **Elementary** [Rog09]. **Elements** [AES18, KNR18, LLY13, VW93]. **ElGamal** [HLH19, LHT09]. **ElGamal-like** [HLH19]. **Embeddability** [CLT09]. **Embeddable** [BPT06]. **Embedded** [CDFK19]. **Embedding** [DLT06, Mar97, RAB15, WXF16, ZFL⁺17]. **Embeddings** [Li00a]. **Emerging** [CVPV08]. **Emptiness** [ABH17]. **Ems1** [PRN13]. **Emulated** [YBM11]. **Encoded** [Câm14, CFG12]. **Encoding** [CK18, KSS08, OSZ92]. **Encodings** [CG09]. **Encrypted** [ZLW⁺17]. **Encryption** [BB03b, GKS17, HLH19, LHT09, LH11, MLO17, MMS17, WLC12, WZ15, WHLH17]. **Ended** [CS99, Tsu01, TST01b]. **Ending** [CD15]. **Endomorphisms** [Ric19]. **Energy** [Jür08, Nak04, QFL⁺15, SUZ13, WY05]. **Energy-Efficient** [SUZ13, WY05]. **Enforcing** [PQ06]. **Enhanced** [LW06b]. **Enhancement** [NWK05]. **Enhancing** [Qua07]. **Ensure** [Bee95]. **Entangled** [LB04]. **Entropy** [CMRR08]. **Enumerable** [vLW15]. **Enumerating** [CC05]. **Enumeration** [CKZ17, CRS12, DMSS16]. **Environment** [MLO17]. **Epigenetic** [BDL08]. **Episturmian** [JP04]. **Equality** [BMW91, HH12, Hon12, Mel93, Sel98, Szw95]. **Equals** [RS13]. **Equation** [HSS07, MOSZ18]. **Equational** [BE95, Pin12]. **Equations** [CHKL07, CK07, ELS15, IDY08, LP11, LS98, LO11, MNS18, NS18, Okh05, PT90]. **Equivalence** [BDSV06, BH11, CMR07, DHR08, HJ13, Hon02, Hon07, IJT⁺93, KL03, Man15, NTSH06, PT18, Teh16a, WGD18]. **Equivalences** [BJ05, BJ07b, HJ97, BJ06]. **Equivalent** [GVL07, Teh16b, ZB00]. **Erasing** [Zet11]. **Erasure** [LZGF16]. **Errata** [BJ06, Tsu01]. **Erratum** [HT04a, LW06a, MTVM15, Ata11]. **Error** [GRB03, HL04]. **Error-Correcting** [GRB03]. **Errors** [AACR18, HJ13, HJ17]. **Ésik** [Fül17]. **Essential** [CL07b]. **Estimation** [CTZ01, SY07, SEE99]. **Estuarine** [LR04]. **Eulerian** [Ber13, Gus13]. **Evacuation** [Sir15]. **Evaluating** [KY90, Li00a]. **Evaluation** [ABL⁺11, BLY12, Cha02, DZ00, Li12a, SK01, TH01, YH11]. **Event** [D's03, Yen08]. **Evidence** [BK95]. **Evolution** [EH12, Riv04]. **Evolutionary** [DM08, HL01]. **Exact** [AMR08, BBM⁺12, EL13, GQZ15, KL00, LLZ07, ZSW14]. **Exactly** [Cai94]. **Example** [CHKL07, GRRS14]. **Examples** [CM92]. **Exchange** [CST⁺17, TYM⁺17]. **Exchanged** [LC18, ZFL⁺17]. **Exclusion** [KG11, DDHL11]. **Execution** [FZAM08, Wan04, ZC05]. **Execution-Time** [Wan04]. **Exhaustive** [IN05, IN08]. **Existence** [DI02, RS07, Ruo96, Shu11]. **Existential** [Szw95]. **Existing** [FZ03]. **Expected** [CZOdlH17, Li00a]. **Experience** [CFMR05]. **Experiments** [DES09]. **Explicit** [DDPS19, KN93, Kam98, vdHM92]. **Exploiting** [BDSV06]. **Exploration** [CP16, ER14, HZZT12, PT14]. **Explore** [CFRD08]. **Exploring** [Gia11]. **Explosion** [DS02]. **Exponent** [SS12a]. **Exponential** [BCFR07, ÇA18, Fri10, GO09, Gol14]. **Exponential-Time** [GO09].

Exponentiation [HP09b]. **Exponents** [KMIS09]. **Expressibility** [MT95b]. **Expressible** [AB91]. **Expression** [CKW09, HW05, Han13, Kog18, SL17]. **Expressions** [CSY03, Cha02, CLOZ04, DM11, GH13, GH15, GC18, HWW06, HK11, Loh10, TV14, YZ07]. **Expressive** [Hen02, RHS10]. **Expressiveness** [Yue13]. **Expspace** [ZYLW12]. **Expspace-Complete** [ZYLW12]. **Extended** [BHK07, DG98, FIO08]. **Extending** [Pat06]. **Extension** [BMS18, EL13, Hen02, KM02]. **Extensions** [BLY12, DM12, HN04, Ver09, XLC⁺04]. **Extractable** [Kun16]. **Eye** [Ami05].

FA [CKW09]. **Face** [RLWW96]. **Facility** [XS11]. **Factor** [AES18, CISH07, MM05]. **Factorial** [Shu07]. **Factorization** [BGI⁺18, BOV08, DD08]. **Factorizations** [CL14]. **Factors** [AILR16, HN10, PAS08]. **Failure** [FWZ15, NTSH06, PNN⁺10]. **Fair** [MSR06]. **Faithful** [APP91]. **Families** [DH05, DD08, HJK12, KY96, MRS97, MAG09, OY11, SRPC11]. **Family** [BKST18, KSMMT18]. **FAS** [JRPPIP08].

Fast [Ars15, BLP18, BOV08, ECY02, FPPS03, FNI16, FA06, GO09, GKS⁺19, IML04, Kan15, LCL06, NWK06, PP06, SJ04, TCT14, Zha17]. **Fastest** [CFMS15, Hut02, XFJ03]. **Fat** [DEKW06]. **Fault** [CL07a, CHYT14, FZEBO5, GWL⁺17, HY97, KR97, LPC11, LYH⁺15, LYG17, XS11, ZCX12]. **Fault-Free** [GWL⁺17]. **Fault-Tolerant** [CHYT14, LPC11, XS11]. **Faults** [KNR18, NPSY00, PP06, WCD⁺14, YBM11, YCL11]. **Faulty** [CP16, GKKP99, GWL⁺17, LLY13]. **Feature** [MN00, SRR15]. **Feedback** [GB03, HG11, KHLC12, XLZ19, YB06]. **Feedback-Free** [GB03, YB06]. **Feferman** [HK95]. **Few** [GJKS18, MR99]. **FHE** [CK18]. **FHE-Based** [CK18]. **Fibonacci** [DMSS16]. **Fibonacci-Automatic** [DMSS16]. **Field** [RW11]. **Fields** [LCXS19]. **Fighter** [KLS⁺19]. **Fighting** [FLP13]. **File** [Li12b, NN93]. **Files** [KSS08, WRNK03]. **Filter** [ARS11, MCM⁺11]. **Filter-Based** [ARS11]. **Filtered** [DM08]. **Filtering** [DEKZ11]. **Filters** [FBK05, Sal18]. **Find** [Gia11, MTNN99]. **Finding** [DGL93, ET14, Fuj16, GKRS10, GHWZ05, HKV17, HCG96, IMP⁺05, IB12, IZN99, Kar99, MM97, NRT00, PRO0, VW93, Won96, Won01, ZB00]. **Fine** [Sel08, BSOR10, KPS13]. **Finite** [AM09, ARS11, AMR11, AMR08, AMR15, AHK17, BGN10, BHK19, BBL⁺12, BMW91, BHK07, BKM11, BKM12, BKM15, CSR12, CZOdIH17, CPY02, CLOZ04, CGH05, CGKN08, CFY16, CL07b, CGL12, CTS18, DL12, DGK08, Dom04, FFH15, Fin19, Fre08, GLV14, GHWZ05, GMNS15, GH13, GH15, GQZ15, HS08, HN10, HK09b, HJ17, HJK18, Iba15, JJS08, JJŠ18, KZ10, KL03, Kör03, KLS05, KSY14, KMW14b, KMW14a, LCXS19, Mac96, MM17, Mar08a, MVMM02, MZ12, Mel93, Moh13, NWK05, NWK06, RW11, SS07a, SMS92, SD16, Shu14, ŠM07, SS01, SN13, Vor16, Vor18, ZQL12]. **Finite-Memory** [KZ10]. **Finite-State** [AM09, ARS11, AMR11, CSR12, CZOdIH17, CGKN08, Mac96, SN13]. **Finite-Valuedness** [Iba15]. **Finitely** [AK10, AM03]. **Finiteness** [AK06]. **Fire** [FLP13, KLS⁺19]. **Firing** [GLP07]. **First** [AB91, BB04, DGK08, DZ00, Has00, IMP⁺05, KKH90, Lin08a, MN00, Rov00, Ueh99]. **First-Class** [Has00, MN00]. **First-Fit** [KKH90]. **First-Order** [AB91, DGK08, DZ00, Lin08a]. **Fit** [KKH90]. **Five** [CH15]. **Five-Valued** [CH15]. **Fixed** [DS96, FL97, HL06, JJS08, LOZ98, MB17, Poo04, QLWL06, SW17, Toš06]. **Fixed-Height** [SW17]. **Fixed-Length** [QLWL06]. **Fixed-Parameter** [HL06]. **Fixpoint** [ELS15]. **Flat**

[CDFK19, MT95b, Oka99]. **Flexible** [FMN06, JMSo05]. **Flipping** [LRR08, ZG13]. **Flips** [AAH02]. **Flooding** [CIS03, LBJ03]. **Floundering** [BM90]. **Flow** [LLZ07, Mas04, SS07b]. **Flows** [DW04]. **Fm** [GNP⁺06, IN05, IN08]. **Fm-Index** [GNP⁺06]. **Fold** [RKRR02]. **Folded** [DHIÖ97]. **Football** [CKL15]. **Forbidden** [WAG⁺06, Yah12, Yen08]. **Forbidding** [Mas09]. **Force** [CCP05]. **Forecasts** [CL10]. **Foremost** [CFMS15, XFJ03]. **Forest** [Ali16, GO09, LZ12]. **Forests** [ERW04, Yah12]. **Forever** [HJM19]. **Foreword** [BNR05a, BNR05b, Hol05, Hol06, Hol08, Hol09, Hsu98]. **Forgetting** [Glö07, Glö10]. **Form** [Ési12, FSM11, GJV00b, LZGN06, Lin08a, VS93, Asv07]. **Formal** [BGS11, CSY03, CFRD08, DM05, DK12, ILT11, MDAPHPJ⁺11, McN90, MT95b, ROK08]. **Formalism** [dSMOC18]. **Formalisms** [HJW11]. **Formalization** [HK95]. **Formalizations** [KKS05a]. **Formed** [LCVlv09]. **Forms** [Cai94]. **Formula** [DS02, Uen13]. **Formula-Driven** [DS02]. **Formulæ** [HKKŠ13]. **Formulas** [CE98, Sch10]. **Forums** [XCC16]. **Forums-Oriented** [XCC16]. **Forward** [CD95, Lug11, WHLH17]. **Foundations** [HYN08]. **Four** [MTNN99, MNN06, SZQS18, SH17]. **Four-Connected** [MNN06]. **Four-Valued** [SH17]. **Fourth** [VS93]. **FPGA** [DEZ01, IN08, IN10]. **FPGA-Based** [DEZ01]. **FPSOLVE** [ELS15]. **FPTAS** [KS10]. **Fractional** [Sha04]. **Fragment** [HCG96, MW05]. **Fragments** [DGK08, MTVM09, MTVM15]. **Framework** [GGR14, LTZ12, Lin07, NS13, NWK05, TST01b, Tsu01]. **Free** [Asv07, Bed18, BMS92, BCR11, BCD14, BESW07, BHK05, BIIN04, BLM04, BL12, CD06, CR15, DV14, DSS15, EH15, EHS15, EIM18, ÉO13, FLST12, GS18, GKRS10, GB03, GV03, GWL⁺17, HWW06, HS11, HKS13, Han13, HW10, HLH19, JM11, Kam95, KKS05a, KK07, KEH16, KRK16, KM07b, LO13, MR91, Mig90, NS18, Pal08, PS12b, Rav08, Rei07, RS04, Sao92, Sta07, Tei17, TSZ16, Tra02, Tru08, YB06, YJ05]. **Freeness** [Kog18]. **Frege** [HK95]. **Frequencies** [CK16]. **Frequency** [CZTH13, WPZ16, XCX16]. **Frequency-Hopping** [WPZ16, XCX16]. **Frequent** [BLM15]. **Frictional** [DLW02]. **Frontier** [AT12, CHZ06]. **Frontiers** [GPPJR13]. **Full** [Bur12a, WLC12, ZHZ11]. **Full-Text** [ZH11]. **Fullness** [CdL04]. **Fully** [IST05, MC13]. **Function** [BKST18, MMS17, dSMOC18, PS02, Sta05]. **Functional** [Ano01c, BV08, BKKR01, HST01, Hin01, Moh13, Pre01, Sal13, Wil91]. **Functions** [BB99, BMS92, BLY12, BH11, CM92, CH15, Car11, CGH05, CL07b, DQFL12, EMR11, FY11, FK05, HK95, HG11, HI18, Jai95, KM02, KY90, KSV00, LHG11, LL16, NAK⁺15, Obt01, PP11, Ros03, Rya15, SS01, SFL17, SH17, SUZ13, TST01a, TCT14, Teh18, TJZ13, XC15, XCX17, Yam03, YTP11, ZH13, ZLL11, ZWW⁺14, ZWCL14]. **Functorial** [DD12]. **Further** [CD06, Sbu06, ZYLW12]. **Fusing** [TV07]. **Fuzzy** [BOV08, ÉK07]. **GA** [VJDT05, Sun11]. **Gain** [MM11]. **Galerkin** [ÜS02]. **Game** [BvdB18, Fia08, FL12, GC15, GW18, FNI16]. **Games** [AT12, BFL02, Bod91, CM12, COT12, FZ02, FZ12, FFMW19, Fri10, GZ12, GJMP06, KL10, Vin05]. **Gandy** [Obt06]. **Gang** [BS01, dSS01]. **Gap** [FM96]. **Gapped** [FBK05, HMZ05, PAS08]. **Gapped-Factors** [PAS08]. **Gaps** [AACR18, IMP⁺05]. **Garbage** [Nak18]. **Gardens** [Toš06]. **Gear** [AT11]. **Gem** [BLM04]. **Gem-** [BLM04]. **Gem mating** [FOP05]. **Gene** [ATK12, BHR09, DM05, IPR07, IP08, MGGP08, Rog09]. **General**

[AMR11, BK95, BB04, Dic93, FPP03, HI18, Leu16, MD00, Moh03, TL99].

Generalization [GMNS15, HW05].

Generalizations [CLLL08, LD04].

Generalized

[Arn17, Dai97, Dan11, GWL⁺17, HH11, HW05, KKH90, KM19, LL16, Nak03, NS98, Okh06, Rao08, Sch02, Tho06, WM13, WC13, XZS16, ZYYH14, ZGCZ18, Noc98].

Generalized-Concentration [Dai97].

Generate [IN08, Jež08, KPS18].

Generated

[AK10, CL07a, KMG11, LWJ⁺10].

Generating [Asv07, BBC00, BMS92, BS92, CCP18, Dom12, RS04, Tru08]. **Generation**

[AMR08, KMS06, LBL06, Smy12, TV07, ŪS02, Wan14]. **Generative** [DST10, Zet11].

Generators [HYN08, NAK⁺15]. **Generic**

[BET03, ELS15, LW06b, MZ01, Moh02].

Genetic

[ATK12, AC05, LMM⁺12, Nis07, WM05].

Genome [IMP12, SSK96]. **Genomic**

[BBM⁺12]. **Geo** [SS12b]. **Geometric**

[CHWX09, CCG⁺11, GGR14, GS09, MRS97, PSS12]. **Geometrical** [CDJ09]. **Geometry**

[RS17]. **Girod** [GMNS15]. **Given** [CC05].

Global [FTT10, JHK08]. **Globally** [Slo95].

Glushkov [BMMR12, ZZ18]. **Goals** [BM90].

Goedel [Szw95]. **Golomb** [BMP03]. **Good**

[DQFL12, FY11, TCT14]. **Goodby** [SSS13].

GPU [CYZ14, FNI16]. **GPUs** [GD12].

Graded [BV08]. **Grained** [MS99a]. **Gram**

[FBK05]. **Grammar**

[AMR05, BCVVH07, CVDV10, CVOV11, DPS97, FFH15, FO08, LK11, LCVLV09, Láz13, MS07, Mas09, Ott13, Sun05, Tru08].

Grammars

[AK14, Asv07, BCFR07, BESW07, BIIN04, BCC⁺96, CCR⁺90, DPS93, DFP99, DST10, Fer07, GSZ99, Jež08, KK07, KM15, LO10, LX94, MVM07, MS16a, MS16b, MO10, Okh06, Pal08, Wil91, YJ05, Zet11].

Granularity [Kri97]. **Graph**

[ADR11, AAV00, AB91, AMOZ07, AJMO11, AT15, BBC00, BDI⁺11, BHK⁺18b, CC98, CHYT14, DLT06, FW90, FL97, GO09, GR00, HO99, HZZT12, KLB13, LLW18, LOPR18, Oka98, RK09, RZ12, TSFZRP17, UU07, ZH06]. **Graph-Bin** [BDI⁺11].

Graphs [AES18, AFB96, AP92a, ABT16, ADD⁺18, Asl16, AO10, AT11, AB17b, BTK13, BTO17, BPR09, BO97, BGM⁺18, BHL⁺97, BB04, BS16, BPT06, BLM04, BHR09, CP16, CV14, CL07a, CLLL08, CDFK19, CPC99, ÇA18, DL12, DP90, DH18, DW04, ERW04, EL13, EZ01, FWZ15, FP04, FGV99, Fuj16, GV03, GP09, GS09, GP17, HKT00, HBIT08, HLHH06, HY97, JWB03, Klo96a, KPM15, KHLHC12, KA18, LWYL14, LDLW17, LX17, LWW00, LOZ98, LV08, MR99, MTNN99, MAN05, MAN06, MNN06, NGHK15, NPSY00, NS98, OS93, RLWW96, RRT99, RR99, SS99, SG04, ST99, TV14, Toš06, WAF03, WFG15, WQY16, Won96, Won01, YCTW10, YB19, ZWS96, Noc98, WC13, YCL11]. **Greedy**

[BR18, Fuj16, GKSZ19]. **Greibach** [Asv07].

Grey [CDLW05]. **Grid**

[BFMBS11, BE19, JP08, LMM⁺12, MNN06, ST93, Cas05, PT14, YLZ14]. **Grids**

[Cal15, MM17, NR18]. **Ground** [Mar92].

Group

[CLLL08, DM12, FZ15, HYT15, KPS18].

Grouping [Lar99]. **Groups** [PP11, SS01].

Grover [KNR18]. **Growth**

[GKRS10, Shu14]. **Grzegorzcyk** [Cap96].

GSM [LO10]. **Guarantee** [LSWW13].

Guaranteed [DPR07, Ros00, YSM⁺00a].

Guaranteeing [MPV04]. **Guarantees**

[Pal03]. **Guarded** [FGL⁺90]. **Guess**

[FSWF11]. **Guest**

[AETZ05, NO99, Zom01c]. **Guided**

[CFH⁺03, DDM07, HZZT12]. **Guidelines**

[Ros00].

Hairpin [DK11, MMY10, PRY01, ST16].

Half [Kam95]. **Half-Monotone** [Kam95].

Halting [FO07]. **Hamilton** [DH18].

Hamiltonian [BZ13, CP16, Noc98, NS98]. **Hamiltonicity** [LYG17]. **Handling** [BCHK09]. **Harary** [ABT16]. **Hard** [BLLS03, BVM00, Dic93, ZB00]. **Harder** [CKL15]. **Hardness** [LWW00]. **Hardware** [For10, IN05, INY07]. **Harmonic** [CCF08]. **Harmony** [LTZ12]. **HAS-160** [WLC12]. **Hash** [BKST18, NAK⁺15]. **Hashes** [Wan14]. **Hashing** [CKW09, LPP92, MB03]. **Hausdorff** [Sta05]. **Head** [KMW14b, KMW14a]. **Heads** [IT13]. **Heap** [BSG03, Jun14, Pro96]. **Hedges** [BOV08]. **Height** [Rei07, SW17]. **Helping** [AKS95]. **Heterogeneity** [RC11]. **Heterogeneous** [BLMR05, CFMR05, CYS⁺12, EZ01, OS01]. **Heuristic** [CHYT14, CDLW05, De 06, LY94, WAF03]. **Hexagonal** [GSD03]. **Hidden** [FZ13, IMS03]. **Hierarchical** [GM90, JS02, Loh10, SVSN01, SK03, SP04, WC04, WHLH17]. **Hierarchies** [BLS⁺05, BKM15, DH05, KP10a, Sch02]. **Hierarchy** [BKM11, BZ10, BJY90, CSR12, Dev02, DZ00, HW00, Okh05, PPJY08, Rei07, Sel08, ZYZ⁺18]. **High** [CH15, Fin12, KR97, KKP97, Li12b, LKM02]. **High-Capacity** [Li12b]. **High-Performance** [LKM02]. **High-Speed** [KKP97]. **Higher** [BYP95, CCPS04]. **Higher-Order** [BYP95]. **Highly** [BCFR07]. **Highly-Polynomial** [BCFR07]. **Highways** [AAA⁺09]. **Hirschberg** [JHK08]. **Historical** [MP93]. **Histories** [Faz08]. **Hit** [WPZ16]. **Hits** [HM04]. **Hoare** [HV02]. **Hoc** [AWF03, CIS03, CL03, LBJ03, SB12, WLF03, WD03]. **Hole** [DSS08]. **Holes** [RR99]. **Holonomic** [BMS92]. **Home** [ST01]. **Home-Based** [ST01]. **Homogeneous** [JSPD03]. **Homomorphic** [CK18, MLO17]. **Homomorphism** [Suc90]. **Homomorphisms** [LO13]. **Honeycombs** [Sib97]. **Hop** [KKP97]. **Hop-Congestion** [KKP97]. **Hopping** [CZTH13, WPZ16, XCX16]. **Horn** [FGL⁺90, SN13]. **Huffman** [CFG12]. **Hulls** [CLW09]. **Hurry** [FZ12]. **Hybrid** [BHK07, CFH⁺03, DPR07, FK06, FFH15, FK13, KSMMT18, LMM⁺12, Smi95, SW09, XBE02]. **Hybridization** [ATK12]. **Hyper** [Bad09, CFMR05, HJ16, JM13, MQ11, MQ12]. **Hyper-Clusters** [CFMR05]. **Hyper-Minimal** [HJ16]. **Hyper-Minimization** [JM13, MQ11, MQ12, Bad09]. **Hyperbolic** [Mar08b, Mar08a]. **Hypercube** [BV98a, GWL⁺17, WC04, WRNK03]. **Hypercubes** [Li00a, Nak03, Zaj09, ZYZX18]. **Hypermesh** [LYH⁺15]. **ID** [CCD07]. **ID-Based** [CCD07]. **Ideal** [APP91]. **Idempotency** [Leu16]. **Idempotent** [KP10b]. **Identical** [LLQ06]. **Identifiable** [Jai95]. **Identification** [CL07b, Jai98]. **Identifying** [AES18, Arn17, CIRS08, CCI12]. **Identity** [FZT14, LH11, MLO17, ZPXX17]. **Identity-Based** [FZT14, LH11, MLO17, ZPXX17]. **IDPM** [LJH⁺17]. **II** [BJ07b, Ros00]. **III** [DMSS16]. **Image** [MPV04]. **Images** [CDLW05, DE08, FRS06, IN08, KS06, PS12a, SY10]. **Immediate** [AHR02]. **Immunity** [EAB⁺16, LPS07, TCT14, TJZ13, ZWCL14]. **Implement** [Cha02]. **Implementation** [BCPR07, DK12, HST01, LPP92, MHT09, NWK05, NKW08]. **Implementations** [BBFZM06, DEMENT05]. **Implementing** [JHK08]. **Implication** [Lin08b]. **Implications** [BV08]. **Implicit** [Cha02, vdHM92]. **Importance** [FCS05]. **Imprecise** [HL04]. **Impreciseness** [CTZ01]. **Imprecision** [Cha97]. **Improved** [DGN07, Dom04, Gro03, Han13, HW17, JZ16, Leu04, LJH⁺17, PR00, Sal18, SS07b, WLC12]. **Improvement** [BC12, EG02]. **IMRT** [CHWX09]. **In-Network** [BRSRC11]. **In-Place** [GPC09]. **Inclusion**

[BCR11, CTZ01]. **Incompatible** [Jan93]. **Incomplete** [KHLC12]. **Incompleteness** [Fin19]. **Incremental** [DZ00, PNN⁺10]. **Independence** [ÇA18, HKT00]. **Independent** [AWF03, CK07, GNP⁺06, MTNN99, NGHK15, TCLS10, Ueh99, YCTW10]. **Indeterminate** [SW09]. **Index** [Ano97, Ano98, Ano99, Ano00, Ano01a, Ano02, Ano03a, Ano04a, Ano05a, Ano06, Ano07, Ano08, Ano09, Ano11, Ano12, Ano13, Ano14, Ano15, Ano16, Ano17, Ano18, BO97, FFH15, GNP⁺06]. **Index-Shuffle** [BO97]. **Indexed** [BC06]. **Indexing** [PAS08, ŽM11, ZHZ11]. **Indicators** [MS04]. **Induced** [AWF03]. **Induction** [TY03]. **Inductive** [BCC13, Kam95, Vik96, Wan04]. **Industrial** [FGH⁺07]. **Inequalities** [Faz08, FM13, LW05, LW06a]. **Inequality** [FP04]. **Inexactitude** [CMMR04]. **Infection** [FLP13]. **Inference** [BRSV13, MN00, Vik96]. **Infinite** [BHN04, CK16, COT12, CTS18, DM12, Dom12, DK98, DSS15, EKKS18, Fin04, Fin12, IBS01, Jai95, KPS18, Löd15, Mel93, PI95, Ric19, Sao92, Sha04, Sta05]. **Infinite-State** [IBS01]. **Infix** [HWW06]. **Infix-Free** [HWW06]. **Information** [BB03b, CCF09, CST⁺17, DG90, Jür08, Li07, SB01, TWZ11]. **Informational** [GSZ09]. **Informed** [MD00]. **Infrastructures** [DW04]. **Inhibition** [XCC16]. **Inhibitors** [Sbu06]. **Initial** [Mee12]. **Initiality** [BE95]. **Initiations** [MM07]. **Inner** [DMMM14]. **Input** [DZ00, FK05, LZGN06, Lin07, Moh02]. **Ins** [KRK16]. **Ins-Del** [KRK16]. **Insertable** [Kun16]. **Insertion** [CW11, EG02, HKNS16, KS11, KMK11, OY11, PPJY08]. **Insertion-Deletion** [PPJY08]. **Insertion-Query** [CW11]. **Insights** [RC11]. **Inspired** [AETZ05]. **Instance** [BIIN04]. **Instance-Specific** [BIIN04]. **Instances** [HHH07, IMS03]. **Instruction** [TV94]. **Insulated** [LH11]. **Integer** [FZ02, HHH07, PA98]. **Integers** [SMS92, Dom12]. **Integrity** [BTK13]. **Intelligence** [Zho02]. **Intelligent** [DE08, LKM02, NH02]. **Interacting** [BCB12]. **Interaction** [JWB03, Yue13]. **Interactions** [JWB03]. **Interactive** [AKS95]. **Interchange** [HL01]. **Interconnection** [CP99, CX98, CD09, Hsu98, LYH⁺15, QD03, WQ97]. **Interconnections** [BF97]. **Interesting** [HPV99]. **Interface** [DE08]. **Internetworking** [GD98]. **Interplay** [GGJ⁺19]. **Interpolate** [Fre02]. **Interprocedural** [TY03]. **Intersection** [BCD14, CGKN08, CGKY11, EHS15, HS08, YJ05]. **Interstage** [SS07b]. **Interval** [CPC99, EL13, GP17, NTSH06, SS99, ST99]. **Intra** [DDM07]. **Intra-Molecular** [DDM07]. **Intractable** [YHK14]. **Intramolecular** [IPR07]. **Intransitive** [WO03]. **Intricacies** [CHKL07]. **Introduction** [BBM90, NO99]. **Intruder** [ISAZ08]. **Intuitionistically** [TW09]. **Inverse** [ACFE09, FK13]. **Inverses** [Bir11]. **Invertible** [Dub95, Sut14]. **Investigations** [Pig15]. **Involution** [BCN12]. **Involutively** [KM07a]. **Involving** [Pan91]. **Iota** [dSMOC18]. **Iota-Delta** [dSMOC18]. **IP** [LOD07a, LOD07b]. **Irreducible** [WXF16]. **Irregular** [MS99b]. **Irreversibility** [AHK17]. **Isomorphic** [BVM00]. **Isomorphism** [AV96, Gre96, RK09]. **Isoperimetric** [AE99, BS16, RZ12, WFG15]. **Isotopisms** [BH11]. **ISPAN** [Pal01a]. **Issue** [Ano01c, BRST07, CD02, Hin01, HO00, Hsu98, LC02, Pal01b, Pre01, RS00, TY02, Yu02, Zom01a]. **Issues** [Ami05, BF97, Cas05, RHS10, vdHM92]. **Items** [BLM15]. **Iterated** [BvdB18, Sta05]. **Iteration** [BE92, BE93, CLW09, FL12, Sut14]. **Iterative** [KPSC08, MMP10, ST16, Smy12].

Jacobsthal [PS02]. **Job** [BS01, JMSo05, Li01, dSS01]. **Jobs** [CYZ14, FCS05, Jan93, JSO10, LY94, Zaj09]. **Join** [CGKN08, SEE99, YB19]. **Joint** [Coo17]. **Jordan** [Cai94]. **Journeys** [XFJ03]. **JPEG** [KS06]. **Jumbled** [BCFL12]. **Jumping** [BHK19, CFY16, KM15, MZ12, Vor18]. **Jürgen** [BRST07]. **Justification** [VS93].

k-Isoperimetric [WFG15]. **kernels** [ACM11]. **Key** [GKS17, HLH19, LH11, MNS11, SNWW06, SNJ11, TYM⁺17, WLC12, WZ15]. **Key-Insulated** [LH11]. **Keyed** [MMS17]. **Keyed-Function** [MMS17]. **Keyword** [HLH19]. **Kindhearted** [SSS13]. **Kinds** [HG11]. **Kinetics** [HFLD09]. **Kintala** [KMW12]. **Kit** [HPV99]. **Kite** [XHLF02]. **Kleene** [BC06, GN11, HSS07]. **Knapsack** [KS10]. **Knödel** [BHL⁺97]. **Knot** [San13]. **Knowledge** [BLR09, Pan91, ROK08, WCD⁺14, vdHM92]. **Known** [XC15, ZH13]. **Kolmogorov** [Jai95, Sch02]. **Kronecker** [CV14]. **Kuratowski** [BGS11].

l [FMV13]. **Label** [HZZT12]. **Label-Guided** [HZZT12]. **Labeled** [DHR08, Fuj17]. **Labeling** [Cal15, IN10, MAN05]. **Labelings** [LLW18]. **Labelling** [NCC⁺07]. **Labels** [HZZT12]. **Laceability** [LLY13]. **Lambda** [Hir91, TST01a, PT90]. **lambda-Calculus** [PT90]. **Lambda-Representable** [TST01a]. **lambdaPi** [Pym92]. **lambdaPi-Calculus** [Pym92]. **LAN** [GD98]. **Language** [BRST07, BV98b, CC05, CDJ09, Cos90, DH05, DGMM15, ES01, Fin12, GKRS10, HKS13, HJK12, IR14, MM05, MRS97, McN90, Mer08, Okh05, OY11, PS02, Pri06, Rov00, YS13]. **Languages** [Ada10, AK06, AK10, AT16, BGN10, BMS92, BCR11, BCD14, BC06, BJ07a, BHK05, BCC⁺96, BKW02, BGS11, BL12, BT13, Brz13, BL14, CPY02, CSV02, CL14, COT12, DK11, DES09, DJ12, Dom04, DK98, DV14, DPS97, EH15, EHS15, EIM18, ÉO13, Faz11, FLST12, Fin04, GN11, GTCV19, Géc07, Gia11, Glö07, Gol90, HWW06, HS08, HS11, HK03, Huy91, IJT⁺93, IW07, IS12, Jež08, JM11, Jir14, JP06, KKS05a, KP10a, KP10b, KEH16, KLH16, KY96, Kog18, Kör03, KMG11, KMS06, KM19, KRK16, LNP16, LZ93, LO13, Leu16, MP07, Mig90, ND02, Ogi94, Oka99, Okh03, OY11, PRY01, PPJY08, Pig09, PP14, Pig15, Pin12, Rav08, RS12, Rei07, Sch13, Sel08, Shu07, Shu14, SR00a, SWZ97, Sta05, Sta07, Tei17, TSZ16, Tra02]. **Languages** [YJ05, YZ07, ZQL12, vLW15, GP13, Ata11]. **Laplacian** [QFL⁺15]. **Large** [BIIN04, BS15, DCS13, DMT05, FPPS03, Fin19, FGH⁺07, HH12, MDL97, Sha04, WRNK03, Won96]. **Large-Scale** [DCS13]. **Late** [LY94]. **Latency** [IN10]. **Lattice** [MLO17]. **Lattice-Based** [MLO17]. **Latticed** [KL10]. **Lattices** [BOV08, DE08]. **Laws** [BE95]. **Layout** [CP99, Nak03]. **Layouts** [GKKP99]. **LCD** [HSS19]. **LDPC** [BBFZM06]. **Leader** [AOSY10, FDFZB12, FZAM08, XS06]. **Leaf** [BV98b]. **Leakage** [HHP17]. **Learnability** [KY96, Oka00]. **Learnable** [Oka99]. **Learning** [CM92, CJS92, Cha97, KL00, LZ93, PFG⁺01, SS01, Tor13, Tor15]. **Left** [BCHK09]. **Left-Linear** [BCHK09]. **Leftmost** [DFP99, MS16a, MS16b]. **Leibniz** [Sel98]. **Lemma** [GTCV19]. **Length** [AE02, DS96, Gus13, Mar09, Pro96, QLWL06]. **Lengths** [BR18, FT09, GP15, dBBDZ19]. **Lessness** [FH05]. **Letter** [KP10b, Wid12]. **Letters** [CK16, LRR08]. **Level** [PS12b]. **Levels** [BLS⁺05, BHK05]. **Lexicographically** [Ueh99]. **LFSR** [WGD18]. **Library** [AMR05, RR06]. **Life** [EMR10, Rya15, FNI16]. **Light** [Hea11, Rov00]. **Lightweight** [HCETPL⁺12]. **Like**

- [CFG12, CVPV08, HV02, HK11, HLH19].
- Limit**
[APMP17, Gol90, Oka99, Oka00, Sch02].
- Limitations** [HJ91, LO11]. **Limited**
[HT12, KAPF05, Mas13, PP14, RRT99].
- Limiting** [AP90, CJS92, RS17, Vik96].
- Limits** [Ueh99]. **Lindenmayer**
[Das04, DV11, HT12]. **Lindström** [BV98b].
- Line**
[CGL12, FPS02, KL05, Mas04, Pat06, Prů17].
- Linear** [AK14, AMR15, BC06, BÉ11, BCHK09, CFPR03, DPR07, DI02, DGN07, FZ02, GV03, Gra90, LC18, MOM91, MTNN99, Nak03, Okh03, RLWW96, RC05, SFL17, Tei17, WGF16, ZYYH14, vdM00].
- Linear-Time**
[CFPR03, MTNN99, RLWW96]. **Linearly**
[CM92, YCL11]. **Link**
[BY18, FWZ15, YB19]. **Linkable** [LW06b].
- Linkage** [OW92, VJDT05]. **Linked**
[ACV13, KK07, Lin08a]. **Links**
[Dre07, GKKP99, WP08]. **List** [Nak04].
- Literally** [KP10b]. **Liveness**
[BHK18a, JC03]. **LKH** [SNWW06]. **Load**
[Hei97, Li00a, MD00, ST01]. **Local**
[AE02, Ars15, CYS⁺12, CTS18, FL12, HN06, IN05, IN08, JP06, LSWW13, LPS07, RS13].
- Localities** [Cas95, LZGF16]. **Locality**
[RR04]. **Locally** [Fri10, HJ91, RS12].
- Locate** [DSS08]. **Location**
[MG14, Pre90, TZ11, XS11]. **Locations**
[NR18]. **Löf** [Tsu01, TST01b]. **Log**
[GWL02, MM11, TV94]. **Log-Gain** [MM11].
- Logic** [Ano01c, AH11, BM90, DGK08, FMC04, FT11, GN04, GSZ99, HV02, HS95, Hin01, Lin08a, Luc09, Lüc18, MOM91, Oga00, Pre01, Rov00, RKRR02, Sal13, SMS92, Sub90a, Sub90b]. **Logic-Based**
[Luc09]. **Logical**
[D's03, HKKŠ13, KM17, MCS08, RW11].
- Logically** [DK98]. **Logics**
[DP14, LRT92, Pen93]. **LogP** [BNR99].
- LogPQ** [TH01]. **Logspace** [HJ97]. **Longest**
[AILR16, AE05, DD13, UU07, Won01].
- Look** [AE04]. **Look-Up** [AE04].
- Lookahead** [Fuj16, RS07]. **Lookup** [SK04].
- Loop** [BAK12, CHA⁺92, JS97, Leo03].
- Loopless** [TV07]. **Lossless**
[CDLW05, KK05, XHLF02]. **Lossy** [PRS98].
- Low** [IN10, KPSC08, WPZ16].
- Low-Dimensional** [KPSC08].
- Low-Hit-Zone** [WPZ16]. **Low-Latency**
[IN10]. **Lower** [CE98, FY08, Gus13, LHG11, Uen13, ZK19, dBDZ19]. **LR**
[FZCFB08, Okh06]. **LR-Mesh** [FZCFB08].
- LRU** [De 06]. **LSC** [HK02]. **LSP** [Ric19].
- LTL** [DPR07, MW05]. **Lukasiewicz** [Sta07].
- Lyndon** [SY10, Suc90].
- M** [BSG03, PPR18]. **m-Bonsai** [PPR18].
- M-Heap** [BSG03]. **Machine**
[HFLD09, HW17, KS10, LLZ07, Mal18, PY04, PFG⁺01, Rud15, SSS09, SS07b, vLW15].
- Machines** [Cap96, CGKN08, Dub95, FPP03, FBHH01, GJKS18, HIIW01, HHW99, HPP99, HJ17, HIR⁺92, IJT⁺93, Iba02, IDY08, IS12, IIT91, IIK⁺04, Jan93, Kap05, LLQ06, Mer08, Pet11, Slo95, YS13].
- Made** [FKV06]. **Magic**
[HJK12, Jir11, Van05]. **Makespan**
[DLC⁺14]. **Making** [vdHM92]. **Malleable**
[LTW02]. **Management** [SVSN01, TZ11].
- Manufacturing** [PFG⁺01]. **Many**
[BSOR10, GS18, MRT95, Ole92, YCL11, Zan91]. **Many-One** [Zan91]. **Many-Sorted**
[MRT95, Ole92]. **Map** [Wid12]. **Mapping**
[AP92b, Ata11, EZ01, Hei97, IMP12, Teh15].
- Mappings** [LO10]. **MapReduce** [AS18].
- Maps** [BFM06, BKP18, HCG96, KPSC08].
- Marked** [KNR18, NR18]. **Market** [DLW02].
- Markov** [DHR08]. **Markovian**
[HJW11, MGGP08]. **Martin**
[Tsu01, TST01b]. **Martin-Löf**
[Tsu01, TST01b]. **Mass** [HFLD09].
- Mass-Action** [HFLD09]. **Massively**
[AP92b]. **Master** [DPR⁺08, GS12a].
- Master-Slave** [GS12a]. **Master-Worker**
[DPR⁺08]. **Match** [HMZ05]. **Matching**

[Aku06, BLP18, BH02, BZ13, BCFL12, CCFG12, CF06, CCF09, CLLL08, CB09, CPC99, CHZ06, DES09, FL09, FPPS03, Fia08, GW18, Han13, IST05, KS06, KLH16, LJH⁺17, LCL06, MHT09, ND02, NRS18, Prů17, SKL03, SW09, WH03, Zha17, FG08]. **Matchings** [DGL93, HCG96]. **Mate** [CP06]. **Mate/Drip** [CP06]. **Mathematical** [BCC13, NAK⁺15]. **Matrices** [BM16, BMS18, BL01, Cai94, HHH07, HN06, MS12, Oli13, PT18, SY10, Şer09, SHN09, SMAN13, Teh16a, WF17]. **Matrix** [Ata11, DFP99, DPR⁺08, HT04a, HT04b, KRK16, MS04, MS16a, MS16b, Teh15, WXF16, Zet11]. **Matrogenic** [AP92a]. **Matter** [MCM⁺11]. **Max** [Mas04, Poo04, HW00]. **Maximal** [AWF03, Bur12a, DD08, DGL93, FY08, Luc09, PR12, TSFZRP17, Ueh99]. **Maximality** [KKS05a]. **Maximally** [WFG15]. **Maximization** [CS93]. **Maximize** [AJMO11, CR14]. **Maximizing** [Ros00]. **Maximum** [AMOZ07, BT07, BL01, BVM00, CPC99, DJL⁺07, FKT07, MM97, Wan04, Won96]. **MCFLs** [ÉI14]. **Mealy** [CG06, KPS18]. **Mean** [BR08, GZ12]. **Mean-Payoff** [GZ12]. **Meaning** [HKKŠ13]. **Means** [CCP05, CHWX09, PPJY08]. **Measure** [CS93, Sta05, Ueh99]. **Measures** [AT15, BLM15, BCC13, PSA17, RR04, Sch02]. **Measuring** [MKB⁺11]. **Mechanisms** [Obt06]. **Meet** [LJ17]. **Meet-in-the-Middle** [LJ17]. **Meets** [BSS12, FFH15]. **Megabase** [BBM⁺12]. **Mem** [CP06]. **Membership** [AK06, Arv97, Fuj17, Loh10]. **Membrane** [BMSMT11, CMMR04, DI05, FT11, GPPJR13, MB06, Nis07, Obt01, Obt06]. **Membranes** [PDPPJ11, Pău00, PPR02, PPRPS11, PLMZ11]. **Memoriam** [Fül17, KMW12]. **Memory** [BLR09, FBHH01, HPP99, KZ10, Mor10, Smy12]. **Merge** [WO03]. **Mergeable** [CS99]. **Merged** [DD13]. **Merger** [INY07]. **Merging** [CP03]. **Merlin** [CCPS04, Vin05]. **Mesh** [EG02, FZCFB08, ISAZ08, Li01, RM98, ÜS02, WC04]. **Meshes** [BT00, FZEBO5, JW08, Mat04, XHLF02]. **Message** [EGPS10, FBHH01]. **Messages** [MN00]. **Meta** [SVSN01]. **Meta-Computing** [SVSN01]. **Metaheuristic** [HCETPL⁺12, LTZ12, SS12b]. **Metalinear** [MS07, Sun05]. **Metalogic** [Cos90]. **Method** [ACFE09, EH12, FK13, GMNS15, IN08, KM02, Li00a, TFF18, ÜS02]. **Methods** [CCM97, Fre08, KKS05a, MZ01]. **Metric** [CLT09, XS11]. **Meyniel** [RR99]. **Microarray** [ATK12]. **Middle** [LJ17, VW93]. **Millionaire** [GKS17]. **Min** [KR97, Tor13, HW00]. **Min-Degree** [Tor13]. **Mind** [LZ93, Vik96]. **Minima** [MS99a]. **Minimal** [ARV07, AMR08, BBC00, CIY01, CPY02, CP03, DWS15, GRV10, HYN08, HN04, HT04a, HT04b, HJ16, HJK18, Jai95, Jai98, JS97, JMR91, JJS08, MB17, Shu11, Suc90, Szw95, TA17, Teh18]. **Minimality** [Tam08]. **Minimalizations** [Pol05]. **Minimax** [HL04]. **Minimization** [AHK07, FSM11, GLV14, JM13, KLB13, MQ11, MQ12, ND02, Vin05, Bad09]. **Minimize** [AMOZ07, LRR08, Mas04]. **Minimizing** [DFLL02, GKKP99, HJ13, HJ17, KS10, Kör03, LY94, LLQ06, PY04]. **Minimum** [AJMO11, BGRY16, BBB⁺18, BB04, BRSV13, CYS⁺12, DGN07, DJL⁺07, DLC⁺14, FPPS03, Fuj16, GMU15, GCK08, KK10, KHLC12, MPV04, MAN06, QFL⁺15, Tor13, WAF03, Wan04]. **Minimum-Process** [GCK08]. **Mining** [GWL02]. **Minor** [NRT00]. **Miss** [Leo03]. **Mixed** [CYZ14, DI02]. **Mixed-Signal** [LWJ⁺10]. **ML** [Has00]. **Mobile** [BFMBS11, BF07, BT17, BDDN01, CIS03, DSS08, FPPS03, FHL07, GCK08, HT09, IML04, LBJ03, MM07, SB12, TZ11, WP08, Zom03]. **Mod** [HKT00, SUZ13]. **Mod-** [HKT00].

Modal [DL12]. **Mode** [DI05, Fre05, Mas09, WLC12]. **Model** [ACDL18, BCB12, BNR99, BMS12, CFMR05, CGR13, CFH⁺03, DW03, EHK06, FZFDCHB05, HW10, LAHN14, LYG17, LR04, Nak04, Sak01, Sch10, SP04, Špr09, Tha91, TH01, YW06]. **Model-Based** [BCB12]. **Model-Checking** [CGR13]. **Modeled** [CLT14]. **Modeling** [BCC⁺11, Cas05, JRPIP08, KSS08, LCY12, PSS12, Sun11, XBE02]. **Modelled** [HFLD09]. **Modelling** [AH07, BDL08, DM05, SK01]. **Models** [APP91, BBFZM06, BZ10, CTS18, DEMENT05, For10, HJ97, HJW11, IP08, KPM15, LWJ⁺10, LW06b, Lüc18, Mal18, RCTC⁺09, RS17, Sah01, Suc90, WY05]. **Modes** [FFH15]. **Modest** [Ros90]. **Modification** [Rud15]. **Modified** [BSG03, BHL⁺97, IIT91, KYZS17]. **Modifiers** [AG01]. **Modular** [BPZ07, DS02, RCTC⁺09]. **Modules** [BJ07b]. **Modulo** [CGR13]. **Molecular** [DDM07, EHK06]. **Molecules** [FMC04, FK05]. **Monadic** [SMS92, vdM00]. **Monogenic** [LV08]. **Monoid** [KM08, KLS05]. **Monoids** [BR08, BS92, Bur12a, DM11, Géc07, Loh05, MR91]. **Monotone** [DDD18, Kam95]. **Monotonic** [ADHR09, ACV13, TY15]. **Monotonicity** [JC03]. **Moore** [CFG12]. **Moore-Like** [CFG12]. **Morphic** [Dur13, FRS06, Hon12, NP09, OY11, PS12a]. **Morphism** [Ram05]. **Morphisms** [Hol11, JP04, Kar09, PPJR07, RS04, Teh16b]. **Morse** [DSS15, Ram05]. **Mosaic** [BRSV13]. **Mosses** [AMR09]. **Most** [Brz13, SKL03]. **Most-Specific-Rule** [SKL03]. **Motif** [PRN13]. **Motifs** [IMP⁺05]. **Move** [FM96]. **MP** [MM11]. **MPEG** [DE08]. **MPEG-7** [DE08]. **Muller** [Arn17, FZ12]. **Multi** [AKS14, ABH17, APMP17, BCC⁺96, CCD07, CGKN08, HP09b, JF18, KMW14b, KMW14a, Mal15, MX11, NCC⁺07, RR06, SK01, TYM⁺17, Ver09, WM05, YBI11, ZC13]. **Multi-Cores** [MX11]. **Multi-Exponentiation** [HP09b]. **Multi-Head** [KMW14b, KMW14a]. **Multi-Objective** [WM05]. **Multi-Party** [TYM⁺17]. **Multi-Processor** [RR06]. **Multi-Push-Down** [BCC⁺96]. **Multi-Pushdown** [AKS14, ABH17]. **Multi-Receiver** [CCD07]. **Multi-Secret** [ZC13]. **Multi-Sequential** [JF18]. **Multi-Stability** [APMP17]. **Multi-Tape** [CGKN08, NCC⁺07]. **Multi-Tokens** [SK01]. **Multi-Track** [YBI11]. **Multicast** [FPS02, SNWW06]. **Multicasting** [Gon01, XLC⁺04]. **Multicomputers** [MS99a]. **Multicounter** [Iba02]. **Multicriteria** [CMWZ19]. **Multidigraphs** [Fuj17]. **Multidimensional** [KPS93, Tho06]. **Multienvironment** [MDAPHPJ⁺11]. **Multihead** [Mac96, Slo95]. **Multihop** [CYS⁺12]. **Multilingual** [CK08b]. **Multimessage** [Gon01]. **Multioperator** [SVF09]. **Multiple** [CF06, FK05, GD12, Lin07, LZGF16, MB03, Mat04, NR18, RVT06, XBE02, YCTW10]. **Multiple-Sided** [XBE02]. **Multiplication** [MX11]. **Multiply** [ACV13]. **Multiply-Linked** [ACV13]. **Multiprocessor** [BLR09, CD09, SS12b, YH11]. **Multiprocessors** [WR16]. **Multipseudoperiodic** [MDGH13]. **Multiresolution** [XHLF02]. **Multisequencer** [SK01]. **Multiset** [BPT16, BMR⁺14, CG06]. **Multisets** [Bas97, CG09]. **Multistage** [KAPF05]. **Multitape** [IT13]. **Multitriangle** [WQ97]. **Multivalued** [Lin08b]. **Music** [CCF09, FMN06]. **Musical** [CCF08, CIRS08]. **Mutants** [MCS08]. **Mutex** [LCY12]. **Mutual** [KG11]. **Mutually** [YSM⁺00a]. **NAAP** [LBJ03]. **Naïve** [ZLW⁺17]. **Name**

[CB09]. **Nameless** [Kam98]. **Natural** [Cha97]. **Nature** [AETZ05]. **Nature-Inspired** [AETZ05]. **Near** [BW14, HT09, XCX17]. **Near-Bent** [XCX17]. **Near-Optimal** [HT09]. **Nearest** [HL01]. **Nearly** [BJ07a]. **Necessary** [ZWW⁺14]. **Negative** [CS18]. **Neighbor** [ABT16, BTK13, BTO17, HL01, KA18, WQY16, LBJ03]. **Neighbourhoods** [DP90, NRS18]. **Nerode** [SMS90]. **Nested** [CZTH13, DP14, FGL⁺90, Gre96, HLW09, RT16]. **Net** [LPC11]. **Nets** [AH11, BCB12, GRV10, JC03, MOM91, Muk92, RHS10, YWY94, Yen09]. **Network** [BRSRC11, Cas05, CL98, CX98, CCG⁺11, DR05, FZ03, KR97, Klo96b, LYG17, LOZ98, LPS07, Lug11, MKB⁺11, Oka98, RR18, WQY97, ZYYH14]. **Networks** [AWF03, AOSY10, AHL⁺13, AO11, BV98a, BY18, BNS03, BDDN01, CP99, CDPT16, CIS03, CFMS15, CL03, CYS⁺12, CHA⁺92, Cig04, CD95, CD09, DHIÖ97, DGN07, DCS13, DM08, FPPS03, GKKP99, GSD03, GNC⁺03, HKV17, Hei97, Hsu98, ISAZ08, JS97, KAPF05, KKP97, Láz13, Li12a, LYH⁺15, LBJ03, LC18, MMS05, MCM⁺11, PPR02, QD03, Ros00, SB12, SP04, TL99, WLF03, WD03, WY05, XLC⁺04, XFJ03, ZC13, DDHL11]. **Neural** [FIO08, IW07, KMG11, PPJR06, PPJR07, PPJS07, SRPC11]. **Newcomb** [Rav08]. **NFA** [JMR91, Leu05, Pol05, RS07]. **NFAs** [CCP05, DESW05, Van05]. **NFSR** [WGD18]. **NL** [DK11]. **NL-Complete** [DK11]. **NLC** [Joh00]. **No** [Nak04]. **Node** [HKV17, WQ97, WY05]. **Node-Disjoint** [HKV17]. **Nodes** [IML04]. **Noisy** [MG14]. **Non** [AG01, Ada10, AS18, BM90, BCHK09, CD15, CK07, Dai97, DPR07, DESW05, ES01, FLST12, Fre08, GJV00b, GRB03, HL01, IMS03, Jež08, KZ10, Kap05, Kut05, MC13, PP11, TY15]. **Non-Abelian** [IMS03, PP11]. **Non-Blocking** [Dai97]. **Non-Boolean** [PP11]. **Non-Constructive** [Fre08]. **Non-Definability** [ES01]. **Non-Deterministic** [Ada10, KZ10, MC13]. **Non-Ending** [CD15]. **Non-Floundering** [BM90]. **Non-Linear** [DPR07]. **Non-Periodic** [CK07]. **Non-Primitive** [FLST12]. **Non-Qubit** [GRB03]. **Non-Recursive** [Kap05, Kut05]. **Non-Regular** [Jež08]. **Non-Standard** [AG01]. **Non-Symmetric** [GJV00b]. **Non-Synchronizing** [TY15]. **Non-Uniform** [AS18]. **Non-Uniform-Degree** [HL01]. **Non-Uniqueness** [DESW05]. **Nonblocking** [WM13]. **Noncounting** [KY96]. **Nondeterminism** [HKKS13, PSA17]. **Nondeterministic** [BKW02, Cha02, CC05, GPS14, HK03, HK09b, HJ14, HJ17, JRPIP08, JJS08, KO18b, Mar09, Sao92, Tha91, Vin05]. **Nondeterministically** [HHN⁺95]. **Nonenumerable** [Sch02]. **Nonexistence** [ZLL11]. **Nonlinear** [HG11, PP11]. **Nonlinearity** [CH15, Car11, LHG11]. **Nonregular** [Mer08, YS13]. **Nonsingular** [XLZ19]. **Nonstandard** [Bee95, BSBZ08]. **Nonterminals** [KK07]. **Normal** [Asv07, Cai94, Ési12, FSM11, Lin08a, RKRR02, VS93]. **Normalization** [Moh02]. **Note** [AHR02, BB99, BHL⁺97, BS16, CKK02, FM13, GMU15, IIK⁺04, LZ15, Mac96, Mas13, Szw95, YB19, Zaj09]. **Notes** [Okh07]. **Notion** [Gra90]. **Notions** [IYD05, SNJ11]. **Novel** [DCS13, LH11, SRR15, SGZ02]. **NP** [BGI⁺18, Dic93, GP13, GSZ09, MW05]. **NP-Complete** [BGI⁺18, MW05, GP13]. **NP-Hard** [Dic93]. **NP-Pairs** [GSZ09]. **Number** [AMR15, AB17b, AE99, CP03, ÇA18, CFIJ10, DV11, Dom04, FY08, FT11, GRRS14, HB06, HJK12, JWB03, KA18, LZ93, LY94, Pan91, PR12, RS01, RRT99, Vik96, WQY16]. **Numbering** [MNS11]. **Numberings** [Jai95]. **Numbers** [BS16, BPT06, CK18, HFLD09, Jir11, LO11,

PDPPJ11, RS15, Van05, Wan04].
Numeration [JP04]. **Numerical**
 [CCM97, SGZ02].

O [Fle96, OM96]. **O-Trees** [OM96]. **Object**
 [HK02, LX94, MT95a, YZ07].

Object-Oriented [LX94, YZ07]. **Objective**
 [WM05, YTLC02]. **Observable** [AT12].

Observer [CCM11]. **Observer-Based**
 [CCM11]. **Observing** [Cas95]. **Obtained**
 [BMS18, CP03]. **Occurrences**

[CFIJ10, MS04, Sal07, SY10]. **OCR** [CB09].

Octal [GJMP06]. **Odd** [TJZ13]. **Off**

[KL05, Mas04, KM18]. **Off-Line**

[KL05, Mas04]. **Offline** [CW11]. **Offs**

[Kap05, KKP97, Kut05]. **omega**
 [SMS90, CL14]. **omega-Tree** [SMS90].

On-Demand [PZX07]. **On-Line**

[CGL12, FPS02, KL05, Mas04, Prů17]. **One**

[AK14, BBP11, Ber13, BMP15, BKP18,

CFY16, DI05, Dub95, HJP+13, HIR+92,

IS12, KL12, KMW14b, KMW14a, LP11,

NS18, Obt01, SKL03, Slo95, TYM+17,

Zan91, ZWW+14]. **One-Cluster** [BBP11].

One-Dimensional [BKP18, Dub95, SKL03].

One-Membrane [DI05]. **One-Round**

[TYM+17]. **One-Turn** [AK14].

One-Variable [NS18]. **One-Way**

[BMP15, CFY16, HIR+92, IS12, KMW14b,

KMW14a, Obt01, Slo95]. **Online**

[BBB+18, BLM15, BHK+18b, CYZ14,

DLC+14, FCS05, JP07, JZ16, Pal03, ZZZ16].

Onto [EZ01]. **Ontologies** [Zho02]. **Open**

[GPPJR13, Tsu01, TST01b]. **Open-Ended**

[Tsu01, TST01b]. **Operating** [DI05].

Operation [BHK05, CK08a, CLMP16,

DH05, MR91, YB19]. **Operational**

[BMSMT11, BHK19, ÉI14, KEH16].

Operations

[AP92a, BGN10, CP06, CS96, CGKY11,

CGKY12, FM96, FMC04, FT11, GNC+03,

JJŠ18, KKS05b, PS02, SY07, SEE99, SD16].

Operator [AT16, BMS18, HJM19].

Operators [HW00, PR11]. **Opportunities**

[Zom03]. **Optical** [BF97, KAPF05, LYH+15,

LC18, PA98, Sah01, WH03]. **Optically**

[BT00]. **Optimal** [AAA+09, AC05, BF07,

CZTH13, CP99, Cal15, CDPR11, CS96,

DH18, DSS15, FZ03, FM01, FOP05, GD98,

GZ12, HT09, KK90, KR08, Lag17, LZ15,

Lüc18, MQ11, Nak04, OS01, OSZ92, Poo04,

TCT14, TJZ13, WPZ16, WO03, WH03,

XCX16, ZZT91, ZWCL14]. **Optimally**

[AAV00, GKS+19]. **Optimization**

[JS02, KM90, KAPF05, MZ01, SSS09,

WM05, YTLC02]. **Optimizations** [GV03].

Optimize [GSZ99]. **Optimum** [CD95].

Option [SGZ02]. **Optoelectronic** [Sah01].

Oracle [FL09]. **Oracles**

[CISH07, FZT14, IN13, KL00, MM05].

Order [AES18, AB91, BYP95, BGM+18,

DG98, DGK08, DZ00, EGPS10, Lar98,

LHG11, Lin08a, Lug11, Set08, Szw95].

Ordered [AKS14, ABH17, Bas97, KL11,

KO18b, Pro96, Yah12, ZB02]. **Ordering**

[Com90]. **Orderings**

[BC06, BÉ11, GHJS05, RC05]. **Orderly**

[MAN05, ZH06]. **Ordinal** [Ési12].

Organizing [Láz13]. **Orientation**

[AMOZ07, AJMO11]. **Oriented**

[DSS08, LX94, XCC16, YZ07].

Orthoconvex [ST93]. **Orthogonal**

[DKSS11]. **Oscillating** [HFLD09]. **Other**

[DH96, PSA17, RS13]. **Outdegree**

[AMOZ07, AJMO11]. **Outer** [MAN06].

Output [Ros00]. **Outputs** [RT16].

Outsourced [YMC+17]. **Overcoming**

[DEKZ11]. **Overhead** [OM96]. **Overlap**

[BHR09, CCM97, DSS15, HS11, LOPR18].

Overlap-Free [DSS15, HS11]. **Overlapping**

[HT95]. **Overlay** [CDPT16]. **Overview**

[BMSMT11]. **Own** [GW18].

P [FMV13, CV13, KMG11]. **P2P** [Li12b].

Packaging [FBHH01]. **Packed** [Zha17].

Packet [DES09, GFK98, MMS05, SKL03].

Packing [BDI+11, FFMW19, HJP+13,

JZ16, LOPR18, MV11, Nag06, TSFZR17].

Packings [CZTH13]. **Pairing** [CST⁺17, Ros03, Ver09]. **Pairing-Based** [CST⁺17, Ver09]. **Pairs** [GSZ09, ST99]. **Palindromes** [DD06]. **Palindromic** [AACR18, BGI⁺18, BHR04, BR18, DMMM14, FLST12]. **PAMA** [LCL06]. **Pansiot** [GS12b]. **paper** [Tsu01]. **Papers** [CS02, CS00b, Elb01, KMS02, KBH99b, Pal01a, SR00b, YSM⁺00b]. **Paradigm** [Sir15]. **Parallel** [AC05, AP92b, BS01, BCVVH07, BF97, BKM11, BKM12, BKM15, BBM⁺12, BZ10, CCM97, CF06, CCF09, CPJ06, CPC99, CR14, CVMVMV00, DP90, DD13, DGL93, DPS97, EAB⁺16, FBHH01, FNI16, GD12, HB06, Hea11, HS95, HW17, HN06, IMP12, Kan15, KS11, KSMMT18, LTZ12, LLQ06, LMM⁺12, LPP92, MS07, MIN11, MVMM02, MS99a, MDL97, OS01, OSZ92, Ott13, Ott15, Pal01b, Ros03, Sah01, SS99, SK03, ŠM05, TH01, Tru08, VG01, VJDT05, WM05, WH03, Zaj09, Zom03, ZC05, dSS01]. **Parallelism** [IYD05]. **Parallelizing** [LR04]. **Parameter** [AT11, HL06, RZ12]. **Parameterization** [DD12]. **Parameterized** [ADHR09, CFRD08, RR18]. **Parameters** [KPS93]. **Parametric** [ACFE09, CE98, FK13, NTSH06]. **Parent** [Lag14]. **Parenthesis** [Lag14]. **Parikh** [Ata11, AT16, BM16, BMS18, CFM12, Hon06, MS12, PT18, SY10, Şer09, SHN09, SMAN13, Teh15, Teh16a]. **Parity** [Fri10, FL12, GW18]. **Parsing** [Bas97, BIIN04, Kog18, Okh06]. **Part** [Ano01c, CS00b, Elb01, GJV00a, Hin01, JK14a, JK14b, KBH99b, Li00b, MS99b, Pal01a, Pre01, SR00b, YSM⁺00b, Zom01a, BJ07b, HT12]. **Partial** [AES18, BSOR10, BS12, BMMR11, BMMR12, FO07, GS18, IZN99, Lin08b, MRT95, PRS98, Pat06, PHPJRN⁺11, Smi95, dBDZ19]. **Partial-Total** [Smi95]. **Partially** [AT12, Bas97, KL11, Lag17, MR91]. **Partition** [CZTH13, DJL⁺07, HPV99]. **Partition-Type** [CZTH13]. **Partitionable** [Li01]. **Partitioned** [Mat04]. **Partitioning** [HO99, IZN05, JSPD03]. **Partitions** [BMS12]. **Partners** [RRT99]. **Party** [TYM⁺17]. **Passbits** [MB03]. **Passenger** [GH07]. **Past** [Gur16]. **Patches** [XBE02]. **Path** [AH11, AHL⁺13, BLL06, FT09, GVL07, HB06, JW08, KM18, LLW18, MVM07, Pro96, Yen09]. **Path-Controlled** [MVM07]. **Path-Equivalent** [GVL07]. **Paths** [DPS99, GR03, GKS⁺19, HKV17, LPC11, MPS99, RLWW96, UU07, YTN01]. **Pathway** [BCC⁺11, JRPJP08]. **Pattern** [BLP18, BCFL12, CCFG12, CHZ06, DPS97, FS05, IST05, KS06, LJH⁺17, MHT09, ND02, NRS18, SW09, ZYYH14, Zha17]. **Pattern-Matching** [SW09]. **Patterned** [SW17]. **Patterns** [BCN12, DPS93, LC18, Prů17, SK04]. **Paun's** [PHPJRN⁺11]. **Payoff** [GZ12]. **PC** [CVOV11]. **Peano** [Ruo96]. **Pebbles** [KMW14b]. **Peers** [Li12b]. **PEI** [VP99]. **Penalties** [WG17]. **Perfect** [AFB96, GR00, PP11, Sun00]. **Performance** [BLM15, For10, KR97, Li12a, LKM02, NWK05, NKW08, PV98, Qua07, SK01, TZ11, TH01, WR16, YLZ14, YH11]. **Period** [APMP17]. **Period-Doubling** [APMP17]. **Periodic** [CKZ17, CK07]. **Periodicity** [BSBZ08, HN10]. **Periods** [BSOR10, CCI12, HG11, KPS13]. **Permitting** [GTCV19]. **Permutation** [RM98, Wid12, ZZC15]. **Permutational** [Oka98]. **Permutations** [CS18, GKSZ19, LCXS19, QLWL06, Teh18, XC15]. **Persistent** [HK09a, Lag17]. **Personnel** [WD90]. **Perspective** [TV94]. **Petersen** [DHIÖ97]. **Petri** [JC03, AH11, BCB12, GRV10, MOM91, Muk92, RHS10, YWY94, Yen09]. **Phantoms** [JSPD03]. **Phase** [ZYLW12]. **Phenomenon** [Kut05]. **Photographs** [Ami05]. **Phrase** [MO10]. **Phrase-Structure** [MO10]. **Phylogenies** [HLY⁺04]. **Phylogeny**

[AFB96]. **Physical** [AD12, JWB03, RS17]. **Pi** [Yue13]. **Pi-Calculus** [Yue13]. **Picture** [AGM14, BESW07, Gia11, SMAN13]. **Pictures** [Fin04]. **Piecewise** [BKP18, KP10a, XC15]. **Pipelined** [BT00]. **Pipelining** [FM01]. **Pitching** [ÚS02]. **PKI** [AH07]. **PKI-Based** [AH07]. **Place** [GPC09]. **Placement** [AC05, DRDN08, URS07]. **Planar** [BPT06, KLB13, MTNN99, Pre90, RLWW96, Toš06]. **Planarity** [CDFK19, DOR06, HL06]. **Plane** [AAV00, Mar08a, Mar08a, MAN05, MAN06, MNN06]. **Plateaued** [XCX17]. **Platforms** [DPR⁺08, DEMT05, KSMMT18]. **Playing** [FZ12]. **Plays** [GW18]. **PN** [ZH13]. **Point** [Aku06, DD12, MB17, Pre90, RAB15, ZC13]. **Point-To-Point** [ZC13]. **Points** [DLT06, Kar99, SSK96, Toš06]. **polar** [ZWCL14]. **Pollinating** [WM05]. **Polling** [TL99, Tse16]. **Polygon** [KM18]. **Polyhedral** [AAH02]. **Polymorphic** [APP91]. **Polynomial** [AAV00, AP90, BCFR07, BB99, BLS⁺05, Cai94, Dic93, GKRS10, GO09, HW00, HT04a, HT04b, IZN99, Joh00, MX11, PLMZ11, Shu07, Tra02]. **Polynomial-Time** [IZN99]. **Polynomials** [EKKS18, RW11, TWZ11, XLZ19, ZZC15]. **Polytime** [Cap96]. **POPS** [DR05]. **Popular** [Dar13]. **Population** [HJW11, Sun11]. **Port** [NN93]. **Portfolio** [YTLC02]. **Posets** [Bed18, Yah12]. **Position** [MCM⁺11]. **Positioned** [LK11]. **Positive** [CM92, HJ91, KY96, MAG09, Oka99, Oka00]. **Possession** [ZPXX17]. **Post** [DRS14, Fin12, HH11]. **Potential** [AES18, GQZ15]. **Power** [BMP15, CCFS07, DSS15, Fuj16, HIR⁺92, IPR07, JWB03, Kar09, Mal15, MRS97, Mer08, RHS10, RS04, Sal11, Slo95, SRPC11, Sta05, Sto92, Sut03, LBJ03]. **Powers** [CRSZ11, CFIJ10, Faz11, Sha04, Shu11, YTN01, Ram05]. **Practical** [CSY03, Fuj17, PPR18, TH01, ZLW⁺17]. **Practice** [BCFR07, CCFG12]. **PRAM** [FPP03, For10, JHK08, TV94]. **PRAM-Algorithm** [JHK08]. **Precedence** [JSO10, KD99, LTW02]. **Preclusion** [CLLL08]. **Precoloring** [EL13]. **Predecessors** [AHR02]. **Predicate** [vdM00]. **Predicates** [SWZ97]. **Predicational** [ES01]. **Predict** [SB01]. **Prediction** [BDC90]. **Preemptive** [HL04, HLW09]. **Preface** [ASTZ12, AY99, Ano01b, Ano03b, Ano03c, Ano03d, Ano03e, Ano04b, Ano05b, BC14, BRST07, BN07, BN08, BFN10, BNF11, BFN12, BP11, Cal05, Cha03, CLR19, CVV08, CVÉ10, DR06, DP13, Den02, DN11, DW11, DS08, DS11, DÉ12, DLMS12, Ési15, FSTY16, FGM⁺11, FKN11, GP08, GJ07, GH09, HP08, HP09a, HS17, HRS17, HK08, Hol12, HK15, HY06, IY07, IR09, IV18, Ito10, JR14, KO18a, MH12, MBR18, ML12, MP12, MNP12, MR13, NW03, NW04, NB06, NY10, PPJ06, PT07, PV13, PS18, SY05, Shu16, Sos09, Wan06, YN08, YI13, Yu11, Zom01c]. **Preference** [FDFZB12]. **Preference-Based** [FDFZB12]. **Prefix** [AGM14, CDPT16, CFPR03, DGMM15, EH15, EHS15, Han13, OM96, Sta07]. **Prefix-Free** [EH15, EHS15, Han13, Sta07]. **Prefix-Suffix** [DGMM15]. **Prefixing** [GM90]. **Premaximal** [PS12b]. **Preorders** [GW18]. **Presemifields** [BH11]. **Presence** [Cig04, LPS07]. **Present** [Gur16]. **Preserving** [Gaz06, LO13, Mal15, NTSH06, Ric19, SZQ⁺17]. **Prices** [FFMW19]. **Prime** [CFPR03, KYZS17]. **Primer** [BRM07]. **Primitive** [DR12, FLST12, KMS11]. **Principal** [Hir91]. **Principles** [AMR05, AD12, Obt06]. **Prints** [Šer09]. **Priority** [CS99, Elm06, GZ12, GNC⁺03]. **Privileged** [FJPS16]. **Probabilistic** [CZOdiH17, CHYT14, CMR07, CMRR08, DTY15, Fre08, HV02, HIIW01, Mad03, MDAPHPJ⁺11, PBMZ06]. **Probabilities** [Szw95]. **Probably** [MMS17]. **Probing**

[Li12b]. **Problem**
 [AP92b, BLR09, BCR11, BCD14, BHK18a, BB04, BL01, BDG⁺11, BLM15, BDI⁺11, CF06, CCF09, CKK02, DDD18, DGN07, DRDN08, DRS14, DD13, FPS02, FZ13, FP04, Fin12, Fuj17, GKS17, GLP07, GD12, HH11, HL04, HJK12, HO99, Hon02, Hon06, Hon07, IMS03, KL03, KLS⁺19, LAHN14, LW05, LW06a, LZ12, Lin07, MXY⁺04, Mar92, Mar08a, NSVA12, NB18, NAK⁺15, Pan91, RC11, SB17, SS07b, Ste93, Tor13, Tor15, Vin05, WD90, YTLC02, ZZZ16, Ueh99].
Problems [AK06, AE05, AB91, BPR09, BHK05, BKP18, BCC13, CCF08, CHWX09, CCI12, CD95, CR15, CS93, DH05, DJL⁺07, FZ15, GC15, GGR14, GPPJR13, Gol90, Gon01, Hut02, IDY08, Iba11, Iba15, JMSO05, Kar09, KPSC08, Lar98, Löd15, Loh10, LOPR18, Man15, MVM07, RWZ01, RLWW96, TY15, WG17, Yen08, ZYLW12].
Procedure [GN04]. **Procedures**
 [BET03, FMC04, FK05, FKT07, Sal11].
Process
 [AH07, DD12, GCK08, Kri97, SN13].
Processes [Cas95, FGH⁺07, HW10, SMS92].
Processing [BRSRC11, CW11, HS95, HLW09, KBH99a, SSS09]. **Processor**
 [CE98, Leu04, RR06]. **Processors**
 [DM08, HB06, LY94, MCM⁺11, NKW08].
Product [DPR⁺08, MS12]. **Production**
 [Wil91]. **Products**
 [BK16, CV14, CR15, TSS13]. **Prof** [SSS13].
Profile [Car11]. **Program**
 [RR04, Rud15, Wan04]. **Program-Based**
 [RR04]. **Programmed** [Fer07].
Programming
 [Ano01c, Cos90, FZ02, GN04, Hin01, ND02, Pre01, RR06, Rov00, Sub90a, Sub90b].
Programs [ACV13, BM90, BAK12, BET03, CIY01, CJS92, HB06, HV02, Jai95, RKRR02, Sao92, Sto92, Tha91, Vik96].
Progress [APV06, Pal03]. **Projections**
 [TZ91]. **Prolog** [HST01, MT95b].
Prolongable [CDJ09]. **Promoters**
 [Sbu06]. **Promoters/Inhibitors** [Sbu06].
Proof [AKS95, GN04, GM90]. **Proofs**
 [Arv97]. **Proper** [MM97]. **Properties**
 [AB91, BMS18, BLL06, CRS12, CC98, Dai97, DPR07, DH96, DD08, DD06, DQFL12, DMSS16, DK12, FH05, FY11, GK11, JC03, KMS11, Kun16, LOZ98, MT10, MMR10, NPSY00, Pri06, RS13, Sak01, TW09, Vor18].
Property
 [Elm06, Gaz06, HIIW01, Ric19, WM13].
Proportional [GPS14]. **Proposal** [Špr09].
Propositional [Pla96, Sal13]. **Protect**
 [YMC⁺17]. **Protein** [HMZ05]. **Proteins**
 [PPRPS11]. **Protocol**
 [BV98a, GCK08, HCETPL⁺12, HT09].
Protocols [ADR11, CIS03]. **Provable**
 [ZPXX17]. **Provably** [GH13]. **Proving**
 [GHS13, GRRS14, Sak01]. **Proxy**
 [DZH16, MLO17]. **Pruning** [WD03].
Pseudo [KMS11, ST93].
Pseudo-Primitive [KMS11].
Pseudorandom [NAK⁺15].
Pseudovarieties [Ali16]. **PSPACE**
 [JYF91, vdM00, DW03]. **PTAS**
 [DFLL02, GJKS18]. **Public**
 [GKS17, HLH19, WZ15, YMC⁺17].
Public-Key [GKS17]. **Publicly** [SZQ⁺17].
Pumping [GTCV19, MP07]. **Pure**
 [JM03, Mal07]. **Pursuit** [IML04]. **Push**
 [BCC⁺96]. **Pushdown** [AK14, AKS14, ABH17, CVMVMV00, IJT⁺93, KMO10, LNP16, Löd15, Lug11, Mas13, Nak18, Ott15, PI95, Pig09, RT16, Sao92, Set08]. **Pushout**
 [ALR04]. **PVsub** [AP92a].
Q3Ap [LMM⁺12]. **QoS** [XLC⁺04]. **Qsort**
 [MIN11]. **Quadratic**
 [BBP11, CCI12, KS10, NSVA12, XCX17].
Qualitative [CMWZ19]. **Quality**
 [MKB⁺11]. **Quantifiers** [BV98b, Lüc18].
Quantifying [AS18, EGPS10].
Quantisation [CCM11]. **Quantitative**
 [DV14]. **Quantum**
 [ATK12, Arn17, AD12, BMP03, BCD14,

BMP15, BB03b, FZ15, Fia08, GRB03, GJMP06, Gro03, GQZ15, IMS03, IN13, KR03, Kud07, LB04, NR18, Nak18, Nis03, SY12, YSD16, Yam03, ZQL12]. **Quasi** [Ber13, MT10]. **Quasi-Eulerian** [Ber13]. **Quasi-One-Cluster** [Ber13]. **Quasi-Relabeling** [MT10]. **Qubit** [GRB03, JM03]. **Queries** [GRB03, JM03]. **Queries** [Arn17, Ars15, Cig04, GSZ99, Lag14]. **Query** [CW11, Lag17, Mee12, ST99, VG01]. **Query-Based** [VG01]. **Query-Optimal** [Lag17]. **Querying** [TV14]. **Questions** [IR14, Shu14]. **Queue** [Elm06, Iba02]. **Queue-Connected** [Iba02]. **Queueing** [YL14]. **Queues** [CS99, Fer07]. **Quickest** [GR03]. **Quickheaps** [NPPS11]. **Quine** [RS95]. **Quine-Bernays** [RS95]. **Quirky** [Lüc18]. **Quotient** [BL12].

Rabbit [FSWF11]. **Radical** [BW14]. **Radio** [DGN07]. **Radius** [Coo17, DESW05]. **Ramsey** [PDPPJ11]. **Random** [BT17, BKS12, FZT14, KPM15, Li12a, MD00, NPSY00, Rud15, Sub05, ZK19, ZG13]. **Random-Access** [Rud15]. **Randomized** [BDDN01, BHK⁺18b, DR05, FDFZB12, Li00b, MD00, RS00, SRR15]. **Randomness** [Sun00]. **Range** [DGN07, MS99a, Poo04, RGR11]. **Range-Aggregation** [RGR11]. **Ranges** [Jir14, WY05]. **Rank** [KM19, Sun00, TA17]. **Ranking** [BPZ07, DPS99, ERW04, MPS99, Nak04]. **Rate** [GKRS10, Pal03]. **Ratio** [FCS05, HZZT12]. **Rational** [AK06, BGN10, CK18, Fin12, GC18, RC05, RS15, Shu07, TWZ11, ZC13, ACM11]. **Rationale** [CFMR05]. **Re** [MLO17, RR06]. **Re-Distribution** [RR06]. **Re-Encryption** [MLO17]. **Reachability** [BKP18, FT09, GJV00b, HBIT08, IBS01, IDY08, Kar09, KPSC08, LN08, Mar09, Set08, SN13]. **Reaction** [APMP17, BFM06, BEMR11, EMR10, EMR11, EMRB12, ER14, Sal13, TA17, Teh18]. **Reactions** [HFLD09]. **Reactive** [SR00a]. **Read** [AS18]. **Real** [KD99, Leu04, LCY12, Pal03, Rya15, SK01, YS13]. **Real-Life** [Rya15]. **Real-Time** [KD99, Leu04, LCY12, Pal03, YS13]. **Realistic** [DVG03]. **Realizability** [LBL06]. **Realizer** [MAN05]. **Realizing** [LC18]. **Reals** [Mee12]. **Rearrangements** [SSK96]. **Reasonable** [BHK18a]. **Reasoning** [DN07, EN03, LSWW13, MT95a, TW09]. **Reassignment** [KZ10]. **Rebalancing** [LF96, MO94]. **Rebound** [IIK⁺04]. **Receiver** [CCD07]. **Reciprocity** [SB12]. **Reciprocity-Based** [SB12]. **Recoding** [GPC09]. **Recognition** [DP90, GV03, JP07, NWK06, Okh03, YS13]. **Recognizable** [DK98, Fin04, Gia11, RW11]. **Recognize** [CR15]. **Recognized** [MM05, ZQL12]. **Recognizer** [SRPC11]. **Recognizing** [BM90, LWW00]. **Recombinants** [BRSV13]. **Recombination** [DDM07]. **Recommendation** [GWL02]. **Reconfigurable** [BBFZM06, BT00, FZEBO5, FZFDCHB05, MDL97, PA98, RM98, WH03]. **Reconstructing** [FS06]. **Recovering** [IN13]. **Recovery** [WZ15]. **Rectangle** [Uen13, WLC12]. **Rectangles** [Nag06]. **Recurrence** [Dur13, LS98]. **Recurrent** [MO94, NP09]. **Recursion** [JK14b]. **Recursive** [APP91, AT12, KM02, Kap05, Kut05, LZ93, LPC11, Sal11, YCTW10]. **Recursively** [vLW15]. **Red** [CS96, MC02]. **Red-Black** [CS96, MC02]. **Redex** [FW90]. **Reduce** [CKW09, Li12b]. **Reduced** [Sut03]. **Reducibilities** [DR94]. **Reducibility** [HJ97]. **Reducing** [BCFR07]. **Reduction** [BHR09, DG09, HH11]. **Reductions** [AV96, HJ91, Zan91]. **Reducts** [Wan14]. **Redundancy** [VS93]. **Redundant** [WXF16]. **Reed** [Arn17]. **Reference** [IMP12]. **Refinement** [CFH⁺03, HPV99, MH06]. **Regex** [Sch13]. **Region** [DRDN08, YW06]. **Register**

[HFLD09]. **Registers** [HG11, XLZ19]. **Regression** [MM11]. **Regular** [Ada10, AK06, AK10, AB17a, BS16, BT13, Brz13, BL14, Cal15, CSV02, CSY03, Cha02, CLOZ04, CDJ09, COT12, CS02, CS00b, CKW09, Coo17, CFPR03, DK11, DM11, Elb01, EH15, EHS15, Faz11, FO08, GKRS10, GH13, GH15, HWW06, HKS13, Han13, HK03, HK11, IW07, Jež08, JM11, Jir14, KMS02, KEH16, KLH16, KBH99b, KMM06, Loh10, NPSY00, PP14, PT90, RS12, Sel08, SR00b, SL17, TV14, Tei17, TW09, YSM+00b, YJ05, Fin12]. **Regular-Expression** [Han13]. **Regularity** [BKW02, Mal15, Pal08, RS13, ST16]. **Regularity-Preserving** [Mal15]. **Regulatory** [BDL08]. **Regulatory** [AES18]. **Relabeling** [MT10]. **Relabelings** [Kan15]. **Related** [AO11, AB17b, BPR09, CHZ06, Iba11, TY15, WLC12]. **Related-Key** [WLC12]. **Relating** [BT00, Mal05]. **Relation** [HK95, HN10]. **Relational** [Lar98, Lar99, Tha91, VS93, YBI11]. **Relations** [BK95, DI02, DZ00, Fin12, JF18, KL10, Lin08b, TZ91, WGD18]. **Relative** [CMRR08]. **Related** [JL01, LF96]. **Relaxing** [De 06]. **Relay** [CIS03]. **Relevant** [CCI12]. **Reliability** [Jai98]. **Reliable** [YBM11]. **Remarks** [BSBZ08, FJPS16, Hon02, Kud07, MMY10, Tru08, VG01]. **Removal** [Moh02]. **Removals** [GPS14]. **Rendezvous** [CDPR11, EP17]. **Repair** [LZGF16]. **Repeated** [Cig04]. **Repeats** [Riv04]. **Repetition** [VG01]. **Repetitions** [CdL04, FJ12, GS12b, IYZ04]. **Replacement** [LLW18]. **Replication** [Qua07]. **Report** [APV06]. **Reporting** [SJ04]. **Representable** [TST01a]. **Representation** [BB99, BJ05, BJ06, BJ07b, O’N15, ROK08, WXF16, XHLF02, Zho02]. **Representations** [BB03a, BK16, HP09b, PPJY08, ZZ18]. **Representing** [HKS13, Smy12]. **Requests** [CVPV08]. **Required** [Sun00]. **Requires** [Fri10]. **Research** [FH11, GPPJR13, XCC16, Zom03]. **Resemble** [KMS06]. **Reservations** [KL05]. **Reset** [Gus13, GP15]. **Residual** [AO11, Dan11, YB19]. **Resiliency** [CL07a]. **Resilient** [SNWW06, TCT14, YBM11]. **Resolution** [Pla96]. **Resource** [BRSRC11, BDG+11, CTZ01, FM01, SVSN01, WG17, YH11]. **Resources** [RS17, SB01]. **Respect** [RR18]. **Restarting** [JO07, KR08, KMO10, KO13, KO18b, MO07, MO09, MPJ07, PM13]. **Restricted** [BMS18, BFL02, BE19, DP90, DS05, GWL+17, MNS18, Nis03]. **Restriction** [FFH15, HCG96, HLW09]. **Restriction-Fragment** [HCG96]. **Result** [CP06, ES01, LD01]. **Results** [AA13, BGRY16, BKM11, CD06, CKZ17, DGMM15, FOP05, HK09b, LS98, RS04, Sbu06, YWY94]. **Retrieval** [CCF09, FMN06]. **Returning** [BKM15]. **Reusability** [KR03]. **Reusing** [FZ03]. **Reveal** [LKM02]. **Reversal** [CGKY12, Jir14, Rao08]. **Reversals** [QLWL06]. **Reversibility** [Iba11]. **Reversible** [HJK18, KPS18]. **Revisited** [AMR09, DR94, FJ12, KS11, KX12, Pre90, TA17]. **Revisiting** [DPR+08]. **Revocation** [HYT15]. **Rewrite** [AMR09]. **Rewriting** [Bar90, BCVVH07, BPT16, BKKR01, FW90, GHWZ05, KMS06, Luc09, Mad03, ND02]. **Rewriting-Based** [ND02]. **RFID** [HCETPL+12]. **Rhythms** [CIRS08]. **Rich** [PS12a]. **Rigid** [GJV00b]. **Rigidity** [BDD+18]. **Ring** [CL98, DSS08, GS12a, LW06b, Mar97, Sub90a, Sub90b, ZGCZ18]. **Ring-Theoretic** [Sub90a, Sub90b]. **Rings** [BW14, CX98, EN03, FHL07, GLP07, YWY94]. **RLE** [HI18]. **RLE-Compressed** [HI18]. **RNG** [CIS03]. **Road** [CKK02]. **Robots** [BFMBS11, BT17, DDPS19]. **Robust** [DPR07, DW03, ECY02, HJ91, HJV93]. **Robustness** [AB17a, MCS08]. **Root**

[CHZ06]. **Root-To-Frontier** [CHZ06].
Rooted [Yah12]. **Rosser** [KM07b].
Rostering [MZ01]. **Rotation** [SFL17].
Rotations [MO94]. **Rotator** [KHLC12].
Rough [TSS13]. **Round**
[CLT14, LJ17, TYM⁺17]. **Route** [GR03].
Routed [PV98]. **Router**
[LOD07a, LOD07b, MMS05].
Router-Based [MMS05]. **Routing**
[BDC90, BDDN01, CHA⁺92, CHYT14,
Cig04, FPS02, GD98, GFK98, GP17, JW08,
KAPF05, LPC11, OS01, PA98, RM98, RS01,
RVT06, Sib97]. **Row** [WAG⁺06]. **RP**
[BJY90]. **Rule** [Fer07, SKL03]. **Rulers**
[BMP03]. **Rules** [AFO06, BCHK09, Zet11].
Rumors [XCC16]. **Run** [LD01, MHT09].
Run-Time [LD01, MHT09]. **Runs**
[FY08, FJ12, KMIS09]. **Runtime** [Rud15].
Rupture [ABT16, Asl16, AO10, AA13,
BTO17, KA18, LDLW17].

Safe [Cap96]. **Safety** [CHYT14, IBS01].
Salesman [BL01]. **Salesmen** [Klo96b].
Sampling [CCP18, MM17]. **SAT**
[HW10, YW06, ZG13, ZK19]. **SAT-Based**
[HW10, YW06]. **Satisfiability**
[DDD18, MTVM09, MTVM15, ZSW14].
Sato [RKRR02]. **SBN** [KR97].
SC-Expressions [YZ07]. **SC320** [MDL97].
Scalable
[BBFZM06, Hei97, WHLH17, WH03]. **Scale**
[CDLW05, DCS13, DEMT05, MDL97].
Scales [CM12]. **Scan** [JP08, PRS98].
Scanning [DES09]. **Scattered**
[Bed18, DSS08, ÉO13, ÉI14, RC05].
Scattering
[BFMBS11, BT17, KA18, WQY16].
Scenario [YTLC02]. **Scenario-Based**
[YTLC02]. **Schedulability** [WR16].
Schedule [CD95, RWZ01]. **Scheduler**
[TSFZRP17]. **Scheduling**
[BV98a, BS01, BLMR05, BNR99, BDG⁺11,
BE19, Cas05, CTZ01, CYZ14, CR14,
DFLL02, DEZ01, DLC⁺14, DEMT05, FL97,
FBHH01, FCS05, GJKS18, Gro03, HB06,
HL04, HW17, HLW09, Jan93, JSO10,
KSMMT18, Klo96b, KD99, LAHN14, LTZ12,
LTW02, LLZ07, Li01, MXY⁺04, Mas04,
NN93, Pal03, PY04, PZX07, PFG⁺01, RC11,
SSS09, SS07b, Sun11, SS12b, WY05, WR16,
YH11, Zaj09, Zom01b, Zom01c, dSS01].
Schema [KS11]. **Scheme**
[DCS13, DZH16, FPP03, Fuj16, HHP17,
HLH19, LD04, LHT09, LH11, MD00,
TWZ11, ZC13, ZGCZ18]. **Schemes**
[FL12, GP17, JSO10, MMS17, PNN⁺10,
SNWW06, Sun00, WGF16]. **Schnyder**
[MAN05]. **Schützenberger** [DV14].
Science [HO00]. **Scientific** [RR04]. **Scope**
[LNP16]. **Scope-Bounded** [LNP16]. **Score**
[HN06]. **Screening** [IN08, IN05]. **Search**
[ACDL18, BRM07, Brz13, CS00a, Fle96,
HM04, HLH19, IN05, IN08, JS03, KK90,
KNR18, LTZ12, PRN13, WM05, ZZZ16].
Searching
[Ami05, CFG12, DE08, KPS93, MP93, ST93].
Seat [KL05]. **Seating** [KL05]. **Second**
[LHG11, Set08, Szw95]. **Second-Order**
[Szw95]. **Secrecy** [BKST18]. **Secret** [LD04,
MNS11, Sun00, TWZ11, WGF16, ZC13].
Secure [HLH19, MLO17, MG14, MMS17,
SNWW06, SNJ11, TWZ11, ZLW⁺17].
Securing [CST⁺17]. **Security** [DLW02,
LW06b, NAK⁺15, SNJ11, WHLH17].
Seeking [MD00]. **Selected** [Pal01a].
Selection
[ATK12, NB18, SRR15, WRNK03].
Selective [HHN⁺95]. **Self**
[CDPT16, DDHL11, DTY15, DWS15,
FDFZB12, FZAM08, GHJS05, GS12a,
HHW99, HSS19, JK14a, JK14b, KK10,
Kar99, Láz13, NGHK15, ST11, San13,
SW17, SZQS18, TSFZRP17, WD03, XS06].
Self-Assembly [JK14a, JK14b, SW17].
Self-Dual [HSS19, SZQS18].
Self-Organizing [Láz13]. **Self-Pruning**
[WD03]. **Self-Similar** [JK14b].
Self-Specifying [HHW99]. **Self-Stabilizing**

[CDPT16, DWS15, FDFZB12, FZAM08, GHJS05, GS12a, KK10, Kar99, NGHK15, ST11, TSFZRP17, XS06, DDHL11]. **Selfish** [FFMW19, MV11]. **Semantics** [AG01, BMSMT11, BKKR01, CZ11, Cos90, Kri97, Luc09, MT95b]. **Semi** [GTCV19, KK05, SF07]. **Semi-Automatic** [SF07]. **Semi-Conditional** [GTCV19]. **Semi-Lossless** [KK05]. **Semiautomata** [BJ05, BJ06, BJ07b]. **Semicomputable** [TZ91]. **Semifeasible** [FH05]. **Semiformal** [Špr09]. **Semigroups** [AK10, BS15, TSS13]. **Semilinear** [IS12]. **Semilinearity** [Yen09]. **Semirings** [ELS15]. **Semisimple** [AR16]. **Sender** [WZ15]. **Sense** [BF07, FS98]. **Sensing** [WF17]. **Sensitive** [Ott13]. **Sensor** [AHL⁺13, BNS03, DCS13, MKB⁺11, SP04, WY05]. **Sentences** [Szw95]. **Separability** [JM03, Teh16b]. **Separable** [CM92, Mat04]. **Separating** [AAV00, DZ00, MB17, vLW15]. **Separation** [Fia08]. **Separations** [BJY90]. **Separators** [BBC00]. **Sequence** [CZTH13, CW11, EGPS10, GD12, HMZ05, KYZS17, Lin07, PYTH10, WPZ16, XCX16]. **Sequences** [Ars15, BLP18, BBM⁺12, CCF08, CKZ17, CRS12, Co017, DN07, Dur13, GK11, Hon12, IMP12, KX12, LJH⁺17, NP09, Sal07, SS12a, Tho06, WO03, XZS16]. **Sequencing** [Sal18]. **Sequential** [CCFS07, DI05, Fre05, JF18, Kan15, LRT92, Toš06]. **Serializable** [Ogi94]. **Series** [CR14, Mal05]. **Servers** [OS01, URS07]. **Service** [BS01, BCDP08, Li12b, dSS01]. **Set** [Aku06, AWF03, BRSV13, CGL12, Elm06, FZ15, GRV10, HLW09, KK10, KLS05, KMW16, MM97, RAB15, Tor15, Ueh99, WAF03]. **Sets** [AK06, BMW91, BMP03, BLL06, CZTH13, CYS⁺12, CL07b, DLT06, DGL93, DWS15, DS05, DR94, ÉK07, FH05, HT95, HHN⁺95, Hon06, Hon12, KHLC12, LO11, Mel93, MB17, NGHK15, Prů17, RW11, RC05, Ros90, RS15, SMS90, Sto92, TCLS10, TV94, WPZ16, XCX16]. **Setting** [BV08, HST01, HHP17, TYM⁺17]. **Several** [LD04, SH17, XCX17]. **Shamir's** [LD04]. **Shape** [Gaz06]. **Shapes** [MC02]. **Shared** [BLR09, Mor10, RR18]. **Shared-Memory** [Mor10]. **Sharing** [BDG⁺11, LD04, Li12b, Sun00, TWZ11, WGF16, WHLH17, ZC13]. **Sharpened** [FP04]. **Sheng** [CISS12, SSS13]. **Shift** [HG11, XLZ19]. **Shifts** [Asv07, CS18, JP04]. **Shop** [JMSO05, SS07b]. **Shops** [LLZ07]. **Short** [IMP12]. **Shorter** [GH13]. **Shortest** [AHL⁺13, CFMS15, DPS99, Hut02, JW08, KM18, LW05, LW06a, MPS99, ST99, XFJ03]. **Shortest-Path** [JW08]. **Should** [Ros03]. **Shrinking** [JO07]. **Shuffle** [BO97, BMS18, CSV02, CL98, DKSS11, DS05]. **Shuffle-Ring** [CL98]. **Shuffling** [EH12]. **Sided** [ACDL18, ST93, XBE02]. **Sidelnikov** [KYZS17]. **Signal** [BCC⁺11, LWJ⁺10]. **Signature** [DZH16, HHP17, LW06b]. **Signatures** [HYT15, Ver09]. **Signcryption** [FZT14, ZGCZ18]. **Signed** [HP09b, QLWL06]. **Similar** [FA06, JK14b]. **Similarity** [Ars15, BOV08, DSS15, HN06]. **Simple** [AFB96, BCFR07, CDLW05, CHKL07, Fle96, GNP⁺06, HH12, HYT15, Huy91, IST05, Jun14, KM18, MS16a, MS16b, Oka99, WAF03]. **Simple-Algorithms** [AFB96]. **Simple-Yet-Efficient** [HYT15]. **Simplification** [Löd15]. **Simulate** [Dub95]. **Simulating** [CPJ06, FZCFB08, JWB03]. **Simulation** [BCDP08, FGS⁺90, FPP03, FZFDCHB05, FNI16, GB03, KL10, LWJ⁺10, MDAPHPJ⁺11, Mat04, Qua07, SVSN01, YB06]. **Simulations** [ÉM11, KR08, KMW14a, Pet11]. **Simultaneous** [Sha04]. **Since** [McN90]. **Sinecure** [FK06]. **Single** [ALR04, BNS03, GH07, KS10, SSS09]. **Single-Channel** [BNS03]. **Single-Pushout** [ALR04]. **Sink** [EG02]. **SINR** [LAHN14]. **Siphon** [JC03]. **Siphon-Based** [JC03]. **Site** [AES18]. **Six** [EAB⁺16]. **Size** [BBP11, BHK18a, Bir11, BMMR12, CSR12,

CKW09, De 06, GS12a, KO13, SEE99, Sun11, Uen13, vLW15]. **Size-Computation** [GS12a]. **Sizes** [ZB02]. **Slave** [GS12a]. **SLDNF** [Pla96]. **SLDNF-Resolution** [Pla96]. **SLMAP** [HCETPL⁺12]. **Small** [AKM⁺11, ARV12, AE04, CGL12, CD09, DL12, DGK08, HIR⁺92, KM17, KS10, Leu16, Mer08, PR00, UU07, YSD16, ZB00]. **Smallest** [NRT00]. **SMP** [SK03]. **Soccer** [CKL15]. **Sofic** [Sut03]. **Soft** [Nag06]. **Software** [BJ07b, FM01, KR03, LX94, Qua07, ST01]. **Solid** [HS11, ST93]. **Soliton** [BJ07a, JK07]. **Solution** [Anc02, NSVA12, Pan91]. **Solutions** [BIIN04, CK07, Ruo96, ZZT91, ZK19]. **Solver** [ELS15]. **Solving** [Com90, Fri10, FL12, GGR14, Gon01, HSS07, Lin07, LMM⁺12, MNS18, MZ01]. **Some** [AA13, BM16, BCR11, BE95, Bod91, CCF08, CKZ17, ÇA18, For10, FH11, GC15, Gol90, GR00, IR14, IMS03, KPS93, KNR18, Kud07, Kun16, LL16, MMY10, Mee12, Oka00, Pri06, Shu14, TL99, TY15, YWY94, ZQL12, ZZC15, vdHM92]. **Sort** [Lar98]. **Sorted** [MRT95, Ole92, WO03]. **Sorting** [BLLS03, BMR⁺14, BNS03, DR05, FS05, MRRV06, MIN11, PA98, QLWL06, RM98, WRNK03]. **Soundness** [Kam98]. **Source** [GR03]. **Source-Based** [GR03]. **Space** [AOSY10, BGRY16, CF06, CZ11, Fre02, HIR⁺92, JZ16, KM18, Kör03, MMP10, PLMZ11, SSK96, Sta05, ÜS02, YS13, ZZ18]. **Space-Efficient** [ZZ18]. **Space-Time** [ÜS02]. **Spaces** [Câm14, CLT09, CMWZ19, HIIW01]. **Spanners** [AWF03, DH96, GS09, WLF03]. **Spanning** [BBB⁺18, BB04, Dar13, ERW04, ET14, Fuj17, HLHH06, LLY13, LX17, LZ12, MTNN99, MAN05, Tor13, YCTW10]. **Sparse** [DR94, ET14, VP99]. **Sparseness** [DH96]. **Special** [Ano01c, BRST07, CD02, Hin01, HO00, Hsu98, LC02, Pal01b, Pre01, RS00, Smy12, TY02, Yu02, Zom01a]. **Species** [MCS08]. **Specific** [BIIN04, LKM02, SKL03]. **Specification** [BJ07b, SKW08]. **Specifications** [BMW91, HK02, LSWW13, SR00a]. **Specified** [Teh18]. **Specifying** [HHW99, HJW11]. **Spectra** [CH15, SH17]. **Spectral** [Coo17]. **Spectrum** [RK09]. **Speed** [KKP97, RS17, WH03]. **Speed-Up** [WH03]. **Speedup** [BR08]. **Spi** [BDSV06]. **Spike** [PPJR06]. **Spikes** [FIO08, KMG11]. **Spiking** [FIO08, IW07, KMG11, PPJR06, PPJR07, PPJS07, SRPC11]. **Spin** [ILT11]. **SpliceTAPyR** [TFF18]. **Splicing** [ARV12, LMW08]. **Split** [DES09, GLV14]. **Split-Minimization** [GLV14]. **Splits** [CB09]. **Splitting** [PRS98]. **Spreading** [XCC16]. **Squad** [GLP07]. **Square** [GS18]. **Square-Free** [GS18]. **Squarefree** [JP07]. **Squares** [GLP07, MMR10, ORS08, PR12, Sha04]. **ST** [MNS11]. **ST-Numbering** [MNS11]. **Stability** [APMP17, EMRB12, KD99]. **Stabilization** [DTY15, San13]. **Stabilizing** [CDPT16, DWS15, FDFZB12, FZAM08, GHJS05, GS12a, HKV17, KK10, Kar99, NGHK15, ST11, TSFZRP17, XS06, DDHL11]. **Stable** [Hol11]. **Stack** [BBK17]. **Stage** [ZZZ16]. **Standard** [AG01, BPR09, MIN11, PR12, ZC13]. **Star** [BL12, CC98, CHYT14, CGKY12, DH18, HLHH06, HY97, Jir14, MR91, OY11, YJ05, WC13, YCL11]. **Star-Free** [BL12, YJ05]. **Start** [FO08]. **State** [AM09, ARS11, AMR11, BGN10, BLMR05, BHK19, BMMR11, CSR12, CZOdIH17, CK08a, CLMP16, CCP05, CGKN08, CGKY11, CGKY12, DS02, EH15, EHS15, GY12, GPS14, HS08, HKNS16, HK02, IBS01, JJS05, Jir14, KPS18, KEH16, KLH16, KLS05, Mac96, NRS18, PS02, PR11, SS07a, SY07, SMS92, SN13, WGD18, Yen08]. **State-Based** [HK02]. **State-Size** [CSR12]. **Stateless** [KMO10, KMW14b, Mas13, YDI08]. **States**

[BLR09, BMP15, CP03, HKKŠ13, JM03, LB04, MVMM02, NWK06, ZQL12]. **Static** [BET03, Cãm14, Cas95, TZ11]. **Station** [DRDN08]. **Stationary** [PT14]. **Stations** [FZ03]. **Statistical** [GK11, Mal18, MG14]. **Stay** [BC12]. **Steady** [BLMR05]. **Steady-State** [BLMR05]. **Stealing** [Ros00]. **Steiner** [RR18, SSK96, SB17, Tor15]. **Stencil** [Leo03]. **Step** [LOZ98, Muk92, ZYLW12]. **Steps** [FT11, JWB03]. **Stepwise** [KN93, MM11]. **Stevens** [Fri10]. **Stevens-Stirling-Algorithm** [Fri10]. **Stigmergic** [DDPS19]. **Stirling** [Fri10]. **Stochastic** [Li12b, SB01, Tor13]. **Stoichiometric** [MM11]. **Storage** [OM96, WHLH17]. **Store** [CD95]. **Stored** [Rud15]. **Stored-Program** [Rud15]. **Straight-Line** [Pat06]. **Straight-Line** [Pat06]. **Strategies** [BRSRC11, BKKR01, Fia08, GZ12, Rog09, TZ11]. **Strategy** [BC12, FL12]. **Stream** [BRSRC11]. **Streaming** [BLM15]. **Streams** [Lin07]. **Strength** [MS18]. **Strict** [RS13]. **Strictly** [Dai97, MAG09, RS12]. **String** [BH02, CZOdIH17, CF06, CCI12, DJR18, DS96, FY08, GHWZ05, KMG11, KMIS09, LRR08, LCL06, NWK06, NKW08, YBI11]. **Strings** [BCFL12, CFIJ10, DD08, FS05, Fre05, FRS06, IN13, JP07, Lag14, Smy12, SW09, TCLS10, ZBS05, Zha17]. **Strong** [BJY90, DP14, GM90, Iba11, NGHK15, PT18, Teh16a]. **Stronger** [NPPS11]. **Strongly** [HHP17]. **Structural** [BCB12, JK14b]. **Structure** [AK10, BSG03, CCF08, CISH07, HK95, IIT91, JMR91, LKM02, MGGP08, MO10]. **Structures** [ACV13, Cha02, ER14, JK14b, LOD07a, LOD07b, Lin08a, RGR11, SKL03, Sun00, SFL17, WRNK03]. **Study** [CSY03, FK06, VJDT05]. **Sturmian** [BPR09, DD06, Mig90, PR12, Tho06]. **Style** [RKRR02]. **Subalgorithm** [Nis07]. **Subarrays** [BT07]. **Subclasses** [BHK05, Gia11, TSZ16]. **Subcubic** [SG04]. **Subdivision** [XHLF02]. **Subdivision-Based** [XHLF02]. **Subgraph** [AB91, GMU15]. **Subgraphs** [ET14]. **Subgroup** [FZ13, IMS03]. **Sublinear** [FMN06]. **Sublinearly** [MMP10]. **Sublogarithmic** [HIIW01]. **Submatrices** [WAG⁺06]. **Submodular** [SSS09]. **Suboptimal** [GD98]. **Suboptimal-Optimal** [GD98]. **Subregular** [HJK12]. **Subregularly** [DST10]. **Subsequence** [AE05, DD13]. **Subsequential** [AM03]. **Subset** [CIS03, Mar09, Vor16]. **Subshifts** [MM17]. **Substitution** [KN93, Kam98, Mal07, MCM⁺11]. **Substitutions** [Dom12, KL03, Tho06]. **Substitutive** [BDD⁺18]. **Substrings** [DS96, IB12]. **Subtree** [BVM00, Gre96, HLY⁺04, KEH16]. **Subtree-Free** [KEH16]. **Subword** [BPR09, CK08a, Čer08, Faz08, FM13, MS04, Sal07, SY10, TSZ16]. **Subword-Free** [TSZ16]. **Subwords** [AČ11]. **Successful** [Rog09]. **Succinct** [BMP03, HYN08, KRK16, ROK08]. **Sufficient** [KL00, Oka00, WFG15, ZWW⁺14]. **Suffix** [DGMM15, FS06, GPC09, HBIT08, Hol11, LJA09, MM05, PL06]. **Suffixes** [BMR⁺14, FS05]. **Suggestions** [FH11]. **Suites** [BMS12]. **Sum** [KMIS09]. **Summary** [GH15]. **Sums** [Sal11]. **Super** [CV14, LLY13, LX17, ZK19]. **Supercompilation** [LN08]. **Supernode** [JS03]. **Superstring** [LW05, LW06a]. **Supertrees** [NRT00]. **Supply** [IZN05]. **Support** [LRR08]. **Surface** [BPT06]. **Surfaces** [AAH02, Fre02]. **Surveillance** [MKB⁺11]. **Survey** [DGK08, Man15, MOM91, PPJS07, PPRPS11, Riv04]. **Survives** [JYF91]. **SVMs** [ACM11]. **Swaps** [CCFG12]. **Sweep** [GM19]. **Switched** [RVT06]. **Switches** [GFK98]. **Switching**

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