A Bibliography on Pattern Matching, Regular Expressions, and String Matching

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Title word cross-reference

(l, d) [Tan14]. 1 [Mun07]. 2 [ASG99, BSM+07, BZ98, CR95b, KPR97, KD15,
LT90b, OND98, SHCY93, Via02, Via04]. $29.95 [Ano97a]. 3
[BSM+07, CJ93, LT90b, TCCK90]. $65.00 [Ano97b]. 2 [Ram94]. 33
[BGFK15]. 4 [ZLN11]. c [WD99]. c^n [Rob79]. d
[CGK08, CDEK95, GKP19, dRL95]. δ [CIL+03]. €
[Gef03, HM98, HSW01, Lif03]. K
[COZ09, LVN87, ATX21, ALP04, CLZ+15, CKP+21, CW18a, CW18b, CN21,
FWW13a, FGKU15, GG86, GU16, GN19, GGF13, Gra15, GL89, HT17, JL93, JL96, KRS19a, KRS19b, KVX12, LV88, NYuR15, NR17, QQCh13, WD99.

L1 [LP08, LP11]. L2 [LP11]. $L_\infty$ [LP11]. $L_p$ [WC14]. $\mu$ [DJ96]. $N$ [ML96a, ML96b, KST94, KWL07, KWLL08, Wag74]. $O(\text{mod } T \text{ mod } 3)$ [KKM'85]. $O(\log \log n)$ [BG90]. $O(n^2 \log m)$ [CNS18]. $O(n \lfloor m/w \rfloor)$ [GF08]. $O(n \log^2(n))$ [HM98]. $O(n \log^3 m)$ [CH97b]. $O(n \log n)$ [Gef03]. $O(s^2)$ [CZ01]. $\omega$ [BdFED'20]. $\omega^n$ [Cho78]. $\omega T$ [BdFED'20]. $q$ [HK14, KPA10, STK06, Sal12, ST95, ST96b, ST04, Ukk92]. $r$ [Pol13]. $\rho$ [CFK07]. $x^m y^n = z^p$ [NC92].


.NET [AS04, SM04, Stu07].

'08 [ACM08].


4 [Ano12, Bro77]. **40th** [ACM08]. **4th** [Apo93].

5 [B+05]. **50th** [IEE09]. **5PM** [BEM+12, BEM+13]. **5th** [CG94b].

6 [IEE01a, IEE01d, IEE01c]. **68** [HK77]. **6th** [BGNP94, GU95].

7 [Rob99]. '79 [Ng79]. **7th** [DMVT13, HM96, Hwa85, Win78].

'86 [Cha86, CVP86]. '87 [ACM87, Ano87]'88 [IEE88]. **8th** [AH97].


Abstract [CDL95, Gon02, HOS85b, JO97, LM02, Pre99, AG06, BC93, Chl08, CM95, GPN96, GV00, HOS85a, Pie08, Zei08]. Abstracting [JSH09].

abstraction [Wad87]. Abstractions [Jok90, MNS07]. accelerated [MLC08, SR16]. Accelerating [BBK12, GÁŠÁ+13, LLCC13, TT82].


Accurate [ZZS17, STK20]. achieve [AK08]. Acid [CCL87, LVN87].

ACC [ACM69, ACM74, ACM83, ACM84, ACM86, ACM87, ACM89, ACM90a, ACM90b, ACM91, ACM92a, ACM92c, ACM92b, ACM92d, ACM93a, ACM93b, ACM94a, ACM94c, ACM94d, ACM95a, ACM95b, ACM97b, ACM97a, ACM97c, ACM98, ACM99a, ACM99b, ACM00, ACM06, ACM08, DGBH93, FMA02, HF13, KLB12, Len11, SW94, Sto92].

ACM-SIAM [ACM97b]. ACM/SIGAPP [DGBH93]. Acquisition [BZ98]. across [DCM15, SHS14]. action [Han92], actions [CK08]. ActionScript [BN08].


Adapting [DS04, LRV13]. Adaptive [CW84, JP73, NdMM02b, SRR92, SRR95, SW09, HRN+15]. Adding [Sh88].

address [AAK+09, AAB+09, AEK+11, ZZJC20]. addressable [LMT16].

Addressing [RJK79, Lau01]. Adjacencies [LJZZ13]. Adjeroth [Neu10].

Administration [Sar02]. Advanced [B+07]. Adversaries [HL10, HT14].

Advisor [Mu95, MuT95, Mun95]. Affiliate [DN77, VS01]. afind [GN01].

Against [Bun95, HL10, LA12, BSTU08]. Aggregations [CvW18].

aggressive [Dal09]. Agrep [MW92b, GN01, WM92b]. Ahead
Algorithm

[AR00, ATX21, AJS92, ACD01, BST+03, BYN96, Bar81, BC13b, Ben94, Bir10, BM77, Bra94, Bre93, BL16, CF06, CLP98, CF5, Col94a, CH02, CGH+98, FL12a, Gal79, GP90, Gal95, GC01, IMP01, IST05, IS86, KRS97, KST94, Kül10, KV15, KZ02, LY17, LLLC13, LJJH+17, LLCC17, LJZZ13, LCL06, MW94, MR11, MUHT96, ML96a, ML96b, Mye92, Mye98, NBY01, OR12, PS10, Pou93, PK85, RKM21, RPE81, Sad96, Ski98, SW09, Sun90, Tak86, VB12, VB98, WPKL13, Wat96, WMM95, Yam01, Alb89, AGW13, BGGJ89, BG90, Bc96, BC95, Cha93a, CLS95, CW13, CDC96, CNPS15, CNS18, CR91, Dai09, DR06, DS04, Der95, Dow91, Gal92, GBY90, GLS92, Han93, HFS05, HR03, IKX15, IP96, IS86, ISH98, KKM+85, KR98, KS92, Kim99, KRR+13, KV15, LV86b, LV87].

g. [Lee82, Liu81, LHCK04, Maa06, MBY91, Mis95, Mor90, Mye99, NRO12, Neb06, PLL10, PS09, Per94, Ryt80, SW90, SS94, SGM00, Sto02, Tak96b, Tak93, TZYH14, TJD+17, TM05b, Tt88, Tho68, Tjmc20, Ww93, Wt03, Yam91, YT03, YHV+15, ZC99, dB93].

algorithme [Alb89].

Algorithmic [ABBH+16]. Algorithms [ACM97b, AHU74, ALO80, iA94, ADLM96, BY96, BLP94, Bak96, BS97, BH02, BM79, BCFL12, CFP19, CL92, CL97, CHL14, Chn95, CHZ06, CLR90, CR92, CCG+94, DB86, FL12b, FMSS20, FRU+20, FBY92, Gal76b, GG97, GS85, GIG77, GK86, Gus81, HUN+19, Hig86, HSTS01, ISH94, JT096, KKP16, KTT87, KR81a, KR81b, KR87, KP99c, Kha16, KMT+01, Lab12, Lec95, LLLC17, LT16, LS94, Ltu02, MR11, MP05, Mut97, Ott94, Par96, Pol13, RS98, SV94, SN92, Sed93, Sed90, Sed92, Sim94, Ste94, Tar81a, VG01, YD95, ZC99, db93].

g. [Lee07, MAC14, MW92b, Mha05, MM07, MR13, NR02, Par98, PDC94, QLY07, Sal12, Sch91, SZ05, Tan14, THG17, Val09, VHL+12, WZ96, A+08, Len93, Ano97b].

Aligned [LSTW+17, SN94]. Alignment

[BLP94, Ben94, BDFW94, HPM94, JZW94, KK08, LPT12, LPR+08, Pol13, RND97, CLT07, FSL+15, NT20].

Alignments [Cha94]. All-Against-All

[LA12, BSTUO8].

Allocation

[VS97, YD95].

Allowing

[FNU02, CCF13, WM92a]. Allows [Man94, Man97]. Almost

[CGPS13b, GR99, LMM17]. Almost-linear [CGPS13b]. Almost-optimal [GR99].

Alphabet

[AFM94, ABF94a, CR95b, KR94, KRR+17, KMRY20, SJS19, TP97, AF98, AGM05, GP92].

Alphabet-Friendly [SJS19].

Alphabet-Independent [CR95b, KR94, GP92].

Alphabet-Invariant [KMRY20].

Alphabets
Alternating [BL16], Alternative [Bar81, JWZ94, AP90, Fat15], Alto [IEE93, IEE98], always [LMM17, LLS+20], Amar [Neu10], AMASS [KS99], Ambiguity [MGH93, SL17], ambiguous [NdMM02a], American [NEH90], amino [LVN87], Analyses [WHZ+17], Analysing [HH93a, HH93b], Analysis [AHU74, AJS92, BBH87, FO76, KR92, Les95, Liu88, LS94, Par96, Par98, SJ13, SCFC94, SP16, Sca11, SWZ01, WCW82, Yan95, DSV94, GLS07, GBY90, HV93, KT14, MAC14, MP09, MLM+08, NA90, ORPF13, PR17, SW93, TPT13], analyt [ZV97], analytical [Bar84], analyze [CFM00], analyzer [ZGE85], Analyzing [HSTS01, MNN12], Ancym [FKE94b], Antidictionaries [STSA99], Antisymmetric [Gil70], Antonio [IEE94b], Ants [FR17, Joh01], any [PW93], Apostolico [Ano97b], Application [GPP04, GT90, Hid89, IK83, MKF91, MGW14, NA90, WKA94, Ak178, CFK07, Fat15, GÁSÁ+13, Laut00, Man76, MW94, MM03, PA10, SHS14, TIAY90, WKR09, dLFM07], application-database [SHS14], application-specific [WKR09], Applications [Bak96, BM00, Brz62, CL94, DMVT13, FK16, Gia93, GV05, HSTS01, Hui92, HN05, IEE94b, IEE95b, IIO8, MHRK12, NR03, Pol13, Sch95, AS04, Bak93, B+07, Che96, CX20, FMdB99, FG99, FLSS93a, FLSS93b, GV00, Ind97, KKP92, RTO15, SR16, SWZ01, SALP20, VHL+12, WA+07], Applied [DGBH93, PD98, DGBH93], Applying [AK08, SdM01], Approach [ABF94a, CFM17, CCH09, Cox09, DC94, FKRV15, FL12b, GN19, IMR08, KTS99, KS99, LP13, LN19, Lut02, NR98, NR99b, RM88, Sha93, Tar8b, AP13, B+05, BYG92, BUST08, BG91a, BCD14, FMdB99, GPR95b, GW92, Goo05, HLN09, KD15, LBK08, MF96, Mus03, dSOMY15, PP85, PSK17, SV97, SD91, Srl93], Approaches [BM08, vNG01, FBMA05, MR13], Approximate [Aku94, Aku95, AAK+09, AEK+11, ACD01, BYP92, BYN96, BYN97, BYN98, BYN99, BCP02, BH02, BPPR20, BM00, BK93e, Bun95, CJM12, CLS+10, CL90, CL92, CM94, CL94, CCH09, CN02, CH02, CIM+02, EMC96, FNU02, Fred6, Fu96, GP90, GIMV03, GGF13, HD80, HLS07, HT17, HM00, HHLSS06, HN02, HN05, IMP01, JUT96, KYG19, KM92, KM95a, KST16, LSW08, LH03, LP11, LLW+15, MW92a, MW92b, MEL95, MM02, MIH17, MM89, Mye98, MOG98, Nav98, NBY99a, NBY99b, NBY01, Nav04a,

Automaton [CZOdlH17, CZ01, GJ16, LY86, Pr˚u17, Ant96, BYG96, COZ09, Hur84, Lei80, TLLL07, TLLL09, ZC99]. automaton-matching [TLLL09]. Auxiliary [CZW15]. availability [LLL12]. Average [BLP18, BMMR19, FN04, HKN14, Mon17, NF04, Sal12, SCFC94, GFG11, Quo92]. Average-optimal [FN04]. Avoiding [AGM19, Fos89, Thi93]. aware [WOQ+07]. awk [Dou91, Mis89]. AWK-like [Mis89]. Axiom [Ano68, JT94]. axiomatization [HN11].
Bioinformatics [Gon02, SJNS19, SNB+19]. Biological
[CL94, LJH+17, Lut02, MSS+19, YDDB15, ECSS88, NR02]. Biology
[Gus97, Lab12, Val09]. Biometrics [Rei03]. Bipartite [Eke95]. birthday
[FvGGM90]. bisimulation [BCG07]. Bit
[CF06, CHL14, GF08, HT17, HN02, HN05, KKK11, Kül10, Mye98, NR98,
TBS06, TLS16, ASM17, AAK+09, CL09, GS03b, HFN05, Hyy08, KVV12,
KIH15, Mye99, NR00, SBB19]. Bit-Parallel [CF06, CHL14, HT17, HN02,
HN05, Kül10, NR98, GF08, TLS16, Hyy08, KIH15]. bit-parallelism
[ASM17, HFN05, NR00]. bit-serial [GS03b]. Bit-Split [KKK11, TBS06].
[KF91]. biXid [KH06]. Blackboard [DJ96]. BLIM [Kül10]. Blindfolded
[EF13]. Block [LT07, Chr96, HFFA09]. block-interchanges [Chr96].
Blocked [FTJ95]. Blocking [Bon07]. blocks [MBH20]. Bloom
[MA12, ZS17]. Bluetooth [LTL04]. BNF [Man06]. board [AAB+86]. Body
[JM85, BWG12]. body-worn [BWG12]. bonds [PS89]. BonXai [MNSS12].
Book [Ano97a, Ano97b, Ano12, Hig95, Hum97a, Hum97b, Neu10, Uma97].
Bookshelf [BJ97, Lut02]. Boolean [SJ13]. Boomerang [BFP+08]. Boost
[BBvdM21]. Boosting [CDL+15, LLW+15]. bottom
[BDB90, CPT92, Cha87]. bottom-up [BD90, CPT92, Cha87]. Bound
[BG92, GK86, Les94, BCKM15, BG91b, GZ10b, Ind98, Lif03, LP08].
boundaries [SHS14]. Bounded
[Dur94, LLC17, NR03, SD95, BFK+03, CR95a, FK96, KNT11]. Bounds
[CM08, Col94a, CHPZ95, CH97a, GG91, GG92, GHW05, KS94, BCT93,
CJPS13, CH92, SASU13, Shi97, SV87]. boxed [CNS18]. boxed-mesh
[CNS18]. Boyer [Ber00, Col94a, DR06, EMC96, Gal79, NT05, Ryt80, STK10,
Sto02, Tak96b, TU93, TJMC20, WW03]. Brain [TMV+01]. brains [Joh01].
Branching [Dur94, BK86]. Bridging [BGJ01]. British
[ACM92d, ACM08, MG94]. Brujin [Sri88]. Brute [GHK14]. Brute-force
[GHK14]. BSR [Sto96]. BST [SCFC94]. BUFFERS [Du08]. Building
[BC06, GHK+91, DF00]. Burrows [Neu10, ABM08, DGG+19, ZMAB03].
buses [KRL87]. business [BJK+12, FvGGM90]. buts [Edw07]. BWT
[AMB+02, FBMA05]. BWT-transformed [AMB+02]. Bypassing [PLT14].
byte [TMK+02].

C [Eck89, GS93b, Hol84, KOI94, Mad01, Mis89, OK94, Sed90, Sed92, SDS14,
SM04, Stu07, Wea94]. CA [Ano97a, CG94b, KP15, ACM92b]. Cache
[FV16, HLS+11, TLC15]. Cache-Oblivious [FV16, HLS+11]. caches
[HFFA09]. Caching [PS10, RT17]. CADE [Bun94]. CADE-12 [Bun94].
Calculation [SD95]. calculi [Dow91, Dow93]. Calculus
[For02, CFK07, Tej20]. California [ACM69, ACM86, ACM92c, ACM93b,
ACM95a, ACM95b, HM96, IEE93, Sto92, IEE98, USE92]. Call
[Jon07, MCP17]. Call-pattern [Jon07]. calls [FF08]. Camera [LT90b]. Can
[Cal00, Cox07, DKA+15, Sch91]. Canada
[ACM92d, ACM94d, ACM08, A+08, G500, MZ07, Lev95, MG94].
combinator [Sta89]. Combinatorial

Combinatorial [Ano17, BM08, Cro92a, GIMV03, Mei08, SLTB+06, Val09, WCM+94a, WCM+94b, CDDM05, HLN09, PPPdG20, AL01, AP10, Ano92b, Apo92, Apo93, AH07, AT02, ACP05, BYCC03, CG94b, FC98, FL08, GU95, GS00, GM11, HM96, KS12a, KU09, LV06, MZ07, PC99, SMD04, Lab12].

combinators [LT90a]. Combining [Ber00, JA17, JXA20, HBRV10, NR00]. command [Blu08]. Comments [Akl78, ZZ12, Gro91a]. commerce [ZCT14].

Common [Ale94, ACR20, FR17, HIRS17, IF94, KRS19a, KRS19b, LJZZ13, DK13, FGKU15, Gra15, Maa06, Mid98, MBH20, TU88, Mu 95, MuT95, Mun95].

Commonwealth [ACM89]. Communication [Bao93, HRN +15, HSL10].

Community [LGZ +14]. Commutative [Eke95, HY92]. Compact [Asp12, HAR10, NR01, Ric79, YP12, ZZH16, BFC08, DGM19].

CompactDFA [BBHK14]. Comparative [JM85, MSZ17, PSK08].

Comparator [Bur84, Bur82]. Comparing [Hoc19, Hua94]. Comparison [BCT98, JTM96, LAv91, de 82, Bar84, BCT93, CT96, ECSS88, FBMA05, SYS97]. Comparisons [Bre93, CL92, GPR95a, Liu86, Bre96, PW06].

Compatible [Anoxx, LT09]. Competitive [DV21]. Compilation [FU82, KTU87, Ses96, AP90, Dan91, HF13, KGP +05, Sch88]. Compiler [AJ89, GH82, Pet92, vNG01, FKSB06, HWF90, Jor92].

compiler.kit [Abb77]. compilers [BGNP94]. Compiling [AU72, AU73, PS93b, Sch99, GHR +16]. Complement [GN12, Rob79].

Complete [Ano68, BBH +87, Pet02, Sch14, Kin91]. completeness [TCC91].

Complex [Gor00, ZL18, LG16, LR14]. Complexité [Alb89]. Complexity [ABBH +16, BKL97, BKL +02, BDFW94, BCT94, BCT98, Col94a, CHP95, CH97a, EZ74, EZ76, FMMS20, GG91, GG92, GK86, GH15, Hei01, HK11, HU92, HST80, KLIH16, MNS10, Mor83, NRS81, Pru17, RS98, Ak78, Alb89, AK12, BDM19, CGK08, CH92, CGG90, FCFM00, FK96, Hum79, KS07, Lei81, LM12, LM13, LMN16, Mag81, Man76, NF04, PS89, PAG09, Sal12, Via04, Yao79]. components [CFM00]. Composite [XK92]. composition [SV09].

Compositional [LN19, GJS20]. Comprehension [BLS +94].

comprehensions [SVMM17]. Compress [GH82]. Compressed [ABF96, BR09, BA16, BKL97, BKL +02, CHLS07, CLS +10, CHP92, FT98, FV16, FT04, GP01, GP03, Gaw12, Gaw13, GV00, GV05, IST05, Jez15, KTS99, Kid90, KS05, KS06, LSW08, Loh10, Man94, Man97, MHT09, MMH +01, NR99b, Nav01c, Rac95, RON09, STSA99, TMK +02, YK11, ZMSD93, ABF94b, BCD98, BFG90, BBK12, CP97, FT95, GR99, GO12, HHL06, KTS +08, KMS +03, NKT +01, NT05, SNZY00, SLZ +20, TM04, TM05b, TM05a]. compressible [BFKL13]. compressing [WL15a].

Compression [ABM08, BC13b, CW84, FG89, GS85, How97, LS94, Man94, Man97, Neu10, RPE81, RT17, Sad96, SKF +00, SC83, SC95, SC96, SC98, SC99, SC01, SC02, SC03, SC04, SC05, SM09, SM10, SM11, ASC99, AGS96, BFN10, Cha93b, CDC96, CL96, How96, Lar99, OW03, QZC17, RTT02a].

COMPSAC [IEE95b]. computable [EH88]. Computation
Computational

[Bro93, COZ09, Cha86, HU79, HMU01, HU07, Lev95, Ng79, Rao94, WN90, CCI+13, Far19, Han02, Maa06, NHN+20, NA90, PS93a, QZC17, SASU13, Tak96b, YT03, ACM94b].

Computational

[ACM89, AHU74, Bao93, Cop91, FJ92, Gus97, Hea71, Hwa85, CVP86, IEE90, IEE92, IEE93, IEE95a, IEE95b, IEE96, IEE98, IEE99, KL02, Knu05, QZC17, SASU13, Tak96b, YT03, ACM94b].

Computational

[ACM94b].
HN90, HSL10, HH16, HF13, JO97, JD89, Kra08, Lar99, LWS+16, LRV13, LTV15, MRA+17, MF96, Nil90, ORPF13, OR11, OSSK16, RW93, RM06, SMS15, SG16, TSI13, TG96, Wad87, WCM+94a, ZBST14, SC04, SC05]. Data-Parallel [VMML15, MMS14, GS93b]. data-parallelism [RW93].


explosion [PLT14]. expressibility [tC09]. Expression [Anoxx, Asp12, BC13b, Bout07, BT06, CZ01, CB16, CKW09, Cox07, Cox09, Cox10a, Cox12, Dav99, EU98, GJ16, GRS99, Gib21, Gol93, Han13a, Hol84, Ier09, JLK+20, KM92, KM95a, KN12, Lee09, LT16, LN19, MPN+14, Mye92, MOG98, NR99a, NR01, Nav01c, Nav04a, NR04, OWP16, PPA10, Ric79, Sca11, SD95, SM99, SL17, VCS+12, WPKL13, WMM95, YP12, YQW+16, vNG01, BAC12, BvdM17, BBvdM21, BFC08, BFG09, BFS04, BH07, COZ09, CB16, Chi17, CLT07, CGPS13b, Cox10b, DFO0, FDG+11, Fos89, Goo05, HN11, Hos06, HVP00, HP01, HP03, HVP05, Hun79, KS08, Kar82, Ker07, Lee82, Lei80, LFI03, MML14, Mor90, NT20, ORT08, ORT09, PIR17, PLT14, PCS99, RTO15, SJ13, SCF+17, Spe85, Stu03, Stu07, SSY19, SLZ+20, Tho08, WXZI12, WL15b, WW03, WR15]. expression [Yam19, YKGS11, YCJK08, YB13, ZHH16, Zia96, ZYX+12, dLFM07].

Expressions [ARM+19, AM91, Ano68, Ano12, Anoxx, Ant95, Bac94, BDD+14, BR20, BF97, Ber00, Bra94, BC94, BMRR19, BK93a, BK92c, Brz62, BP63, Brz64b, Brz64a, Brz65, CDLv99, CDLv02, Cam99, CSY03, Cha01, Cha02a, CLOZ04, CJM12, CDJM15, CGR02, CHP92, CC97, CGS17, CDL95, CDLv99, Dav03, Dav04, Dav21, DM11, FL98, FUS82, Fri02, GMM2, GN12, Ghi62, Gil70, Gia67, GH13, GH15, HHH+13, Hab04, HM98, Han88, HWW06, Han13b, HJ99, Hir96, HK11, HS97, HSW01, Hum99, IY02a, IY02b, KT06, KTU87, Ke91a, KP99b, KP99c, Kin92, KMR10, KV15, KZ02, KST12, LS99, LSO99, LHZH98, LM01b, LT09, Loh10, Mad01, MNS10, MY60, MSZ17, MR09b, MPdS12, MG097, NM10, Or03, OF61, Pak91, PM78, Pat71, Pet02].

expressions [Pre99, Ray96, Res92, SA96, Sch99, SSS99, Sou99, TV14, TB00, Uma97, VHC88, Wen93, WZU14, XK92, XLC19, Yam01, YPG21, ZGS+15, ZMML20, AF98, Ano97a, AGM05, AM95, An06, AOMC07, ACM02, BC14, BGY96, BRL13, BnFED+20, BTG83, BG91a, BDFR08, BS86, BNSV10, BK86, Bra95, BK93b, BK93c, CBR03, CP97, CX90, Cho78, CK02b, CK08, CGPS13a, CDLM17, DLO3, EZ74, EZ76, FL71, FH00, FS19, Fr097a, Fr097a, GLRA11, GR92, Gfo03, Gd10, GL03, GL12, GS07, GMS12, GM17, GH09, Gue90, HW07, HY90, HW03, HJS04, Hoc19, Hov12, HN00, Jan85, JSH09, Joh69, Kah06, Kap69, KGA+12, Kin91, Lar98, Lau00, Lau01, LSO17, Lei81, Lei85, LWS+16, LTV15, LR14, LM12, LM13, LM16, Lus94, Mag81, MMDdJ11].
YH92, tC09, Hum97a, Hum97b. Expressive [BLLW12, HS08, MFRW09].

Extend [Cal00, dLFM07]. Extended [Ano08, BK93a, CTF+98, Gon02, HY90, HL97, KV15, KZ02, NR98, Yam01, YH91, YH92, AM95, BK93b, BK93c, CM95, GV00, JM93, RT18, Rob79, SMT+86]. Extensible [vNG01].

Extending [Cal00, dLFM07]. Extendible [vNG01].

Extending [AS04, DJ96, Jan85, Kea91a, MSRR00, PMS11, WLF14, Bak78].

Extensible [BAC06, SNM07, BFN+09].

Extension [Liu86, SNM07, MMdJ11]. Extensible [vNG01].

Extensional [DRW95].

Extensions [ASM17, ALP04, AKT06, BYN96, BYN99, CH02, DGM90, DGM94, Fre02, GZ94, HN02, Ind98, Jez15, LS09, NKT+01, SB09, FCLST07, Yam19].

Fastest [Col94b].

Fast [ASM17, ALP04, AKT06, BYN96, BYN99, CH02, DGM90, DGM94, Fre02, GZ94, HN02, Ind98, Jez15, LS09, NKT+01, SB09, FCLST07, Yam19].

Fault [BKLE18, BG91a].

Fault-tolerant [BG91a].

Feasibility [HTK+21]. feasible [ATdM07]. Feature [Bac94, WSW16].

Features [OWP16, LR14].

February [ACM89, DGBH93]. feed [MA12].

feed-forward [MA12]. Feedback [DKA+15, Joh95]. few [CEPR10, NR17].

FFT [SZ05]. FFT-based [SZ05]. Fgrep [Ash85].

Fibonacci [IMS97]. field [WSW16].

Fifth [Ant95, Bow87, CZ0dH17, CLOZ04, CM58, Cho78, FG89, Ghi62, Gol93, GH13, GH15, HSW97, HSW01, JA17,
Finite-State
[CZOdlH17, vNG01, JXA20, Ga’à04, HW07, MMS14]. finitely
[AFI98].

FIRE
[KS08, KS08]. FIRE/J
[KS08]. firmware
[ZZJC20].

First
[BK93e, Len93, Wal89, ACM99b, BLSS03, BD98, BAC06, Pie08, IEE94a].
First-class
[Wal89, BAC06, Pie08]. first-order
[BLSS03].

Fixed
[BYCMW94, CF85, KF91, Sut21, ABH+14, GS81a, HOK18a, HOK18b].
fixed-length
[HOK18a, HOK18b]. Fixed-Parameter
[Sut21].

Fixed-Queries
[BYCMW94]. Fixed-Size
[CF85]. FL
[CVP86].

FlashRelate
[BGHZ15]. Flexible
[LY17, NR02, ME97, MM07, NR00, Nav01b, SNZBY00, Lut02].
Florida
[IEE88, IEE97]. Flow
[FO76, HEWK03, FWDL15, MF96]. Fluorescent
[HFI+08]. FLUX
[Che08]. FM
[KC21]. FM-index
[KC21]. fmpRPMF
[LZ18]. Focusing
[Kri09, Zei08]. Font
[Wol86]. force
[GHK14]. Forecast
[CDM11]. Forecasting
[SF01]. foreign
[FF08]. Forest
[VRD15]. forests
[CADA18]. Foreword
[Cro92a]. Form
[BMKR19, Lar98]. Formal
[AOMC07, BGJ89, CSY03, Coo89, FKRV15, HU92, MGH97, Pag78, ZA87, FKRV13]. formale
[HU92]. Formalisation
[WZU14]. Formalising
[BBvdM21]. formalism
[CM90]. formation
[Fos89]. Formatter
[ZA87]. forms
[AOMC07]. formula
[KC11]. formulae
[WD99]. Formulating
[JM85]. Fortran
[PCS99, Wea94]. Forum
[Fra83, GHF83a, GHF83b, WNL+83]. Forward
[Dur94, MA12]. Forward-Branching
[Dur94]. forwarding
[SDA17]. foundation
[Pie08]. Foundations
[AAB+17, IEE89, IEE90, IEE92, IEE93, IEE95a, IEE97, IEE98, IEE99, Win78].
Four
[Mye92]. Fourteenth
[ACM87, ACM95b]. fourth
[ACM92d, A+08]. FPGA
[LT09, TK07, YP12]. FPGA-Based
[LT09, TK07]. Fragmentary
[HSTS01]. fragments
[All82, KMPN85]. Framework
[BGMM19, DJ96, KK95, WMS19, AS04, AMRV16, BKE18, BYF96, DLF+15, FKRV13, KKM+06, KKM+13, KMS+03, TZH+13, ZKA12]. France
[Bun94, KU09, Ng79]. Francisco
[ACM92c, ACM95a, DT87, KP15, USE92]. fraud
[VD17]. Free
[GJ16, HM98, HWW06, Han13a, HSW97, HSW01, Joh69, SBHM94, Gf03, HWW07, HY92, HSJ04, KGA+12, Li03, Mye95, tC99]. FREME
[WL15b]. French
[Alb89]. Frequent
[BGM19, EASK14]. Friedl
[Ano97a]. Friendly
[SJNS19]. front
[JLHB92]. Frontier
[CHZ06, D’A98]. Fukuoka
[AT02]. full
[KWLL08, OKT92]. full-text
[KWLL08]. Fully
[CDL95, IST05, Jez15, GR99]. Function
[AK09b, BR20, Jon13, MCP17, Ric79, CT96, FF08, GT90]. Functional
[ACM92c, Bir10, BK89, Hud89, JR15a, Pou93, Che08, DA20, FHW10, GÁSÁ+13, HJW+92, Mal93, OR11, Sch88]. Functions
[Sch91, Dow93, KGA+12, Yod91]. functors
[dSOMY15]. Fundamental
[Sym85]. Further
[Gro91a]. Fusing
[SVM17]. Fusion
[SdM01]. future
TV14, WD99, BBG13, BÖ13, FFTD15, KC15, QQC+13, SWW+12, ZYQ+15.

Inspired [GWvG10, Pet92]. instance [FK96]. instant [Abb77].
instructions [KKM+06]. insufficient [LG16]. Integer [Nav04a]. integers [Mat94]. integral [EF95, SY72]. Integrated [BGZ+94, FU82, WBA83]. Integration [Har79, Fat15]. Intelligence [IEE94b, Rob92]. intelligent [JLHB02]. Interaction [BNV+13, HR00]. Interactions [BNV+13].
Interactive [Han02, MR05, BH07, DKP11, MI07]. interchanges [Chr96]. Interconnect [SRV+19]. Interconnection [KRL87]. Interest [DT87]. interests [SW93]. Interface [IEE01a, IEE01d, IEE01c, IEE01b]. Interfaces [IEE01d, PW06]. Interferences [FTJ95]. Interleaving [CGS17, CGPS13a, Gel10]. Internal [ACR20]. International [ACM94b, ABB93, AGS93c, AAC+91, AOV+99, Bao93, B+02, Bro93, Bun94, DMVT13, FMA02, IEE95b, KP15, Lev95, Ng79, SW94, Sto92, WN90, A+08, BGNP94, HF13, MG94]. Interpolation [HW12, Lut02]. interpretation [HN11, JP11, NC92, SHCY93]. Interpretations [MP09]. Interpreter [HOS85b, Mac94, Eck89, HOS85a]. Interprocedural [WHZ+17, FWDL15]. Intersection [GN12, HL10, Pet02, CP10, Ge10]. Intervals [SW93]. Intractable [FLM+10]. Introducing [LV86b].
Introduction [Bir77b, CM86, CLR90, GS93a, HU79, HU92]. introductory [LSO17]. Inversion [BYHT18, CZCD09, Hig95, KKK11, LY17, TS05, ZL18, ACF05, GZ10a, KAT07, LHCK04, TBS06]. Intrusions [KNMH00]. invalid [SMS15]. Invariant [EHS07]. invited [Rém17]. Invocation [Kor83]. Invocations [GMMN12].
IO [PSK08]. Ireland [ABB93]. Irregular [PCS99]. ISB [Ano12]. Island [ACP05]. Isomorphism [BJM79, Gro91a, Gro91b, KSH+15, Mäk89]. Israel [AL01]. ISSAC [Lev95, WN90]. ISSAC’93 [Bro93]. ISSAC’94. [ACM94b]. Issue [Ano17, Cro92a, IEE01a, IEE01d, IEE01c, AGS93a, AGS93b]. issues [BG91a, IS90, San15]. Istanbul [SMD04]. Italy [AAC+01, Apo93, FL08, GM11]. Iterable [LM02]. iterated [Jan85].
[ACM92c, ACM92b, ACM95c, ACM98, ACM99a, ACM06, ACM07, AP10, 
Apo93, AH97, ACP05, BYCC03, Bun94, CG94b, FL08, FMA02, GS00, GM11, 
HM96, HF13, Hwa85, CVP86, KU99, Len11, Ng79, Sto92]. JVM [BFN+09].

**K-M-P** [RUG97]. **Karp** [CR91, GBY90]. **Karp-Miller-Rosenberg** [CR91]. 
**Karp-Rabin** [GBY90]. **Keeper** [Wei84]. **Kentucky** [ACM89]. 
**Kepler** [TLS16]. 

**KMP** [Mor90]. **Keeper** [Wei84]. 

**Keypoints** [FFTD15]. 

**Kiev** [Brou93]. 

**Kleene** [Lee82]. 

**Kleenex** [GHR+16]. 

**KMP** [Mor90]. 

**Kong** [B02]. 

**Korea** [ACP05]. 

**Kumar** [Hig95]. 

**Languages** [ACM92a, ACM93a, ACM94a, ACM95a, AAB+17, BLLW12, CM58, 
HHW06, HU92, HM01, HMU07, Hu89, KT06, KP99c, KLH16, Kor83, 
KST12, ND02, SA96, Sch13, Wag74, ACM87, AG05, AOMC07, BRL13, 
BdFED+20, BLSS03, BKW92a, BKW92b, BDM19, Coh09, Dit78, ETV21, 
FhDAF09, HW07, HW03, HSJ04, HW09, Kes91, LRV13, Mci04, MZZ10, 
Mye95, PP85, Sak21, Sch88, Smi91, dLFM07, BGPN94]. 

**Large** [AAC+01, AOV+99, BH85, B02, LP13, LR03, RW10, YHV+15, 
ZD95, ZCO09, ZCÔ12]. 

**Lagrangian Theory** [HU92]. 

**Kong** [B02]. 

**Korea** [ACP05]. 

**Kumar** [Hig95]. 

**Labeling** [FK16]. 

**Labels** [KMRY20]. 

**Lafayette** [Hig95]. 

**Laguna** [HM96]. 

**Lambda** [Dow91]. 

**Lambda-Calculi** [Dow91]. 

**Language** [ADR15, Ano68, Fre06, GS93a, GP93, GR96, Hir96, KN17, 
Kort95, Kort96, Kort98, Kort97, Kort98, Kort99, Kort00, Kort01, 
Kort02, Kort03, Kort04, Kort05, Kort06, Kort07, Kort08, Kort09, 
Kort10, Kort11, Kort12, Kort13, Kort14]. 

**Learning** [BGNV10, Bra94, BC94, Bra95, KK08, Kin92, KK02, Org03, SPF08, 
SG12, ZCS+12, BDMT16, BC06, Ker04, STKD20, VV04]. 

**Least** [Boo80, DK13]. 

**Left** [NWE97, Ned98, CWZ10, CA20, HR03, TK96b]. 

**Left-to-Right** [NWE97, Ned98, TK96b]. 

**Length-Bounded** [LLC17]. 

**Lengths** [KIH15].
Malay [BSY00]. male [KT90]. Malicious [HL10, HT14]. Manacher [Akl78]. Management [DT87, FMA02, SW94, Sto92, HF13, WXZY12].
manga [QPWH08]. Manipulate [Ghi62]. Manipulating [VMML15].
Manipulation [Ng79, Wea94, GHS12, GS06, Mal93, MR05, RH81]. Manual [Mu 95, MuT95, Mun95, Ski98]. Many [JA17, JXA20, TLC15, Wal88, MAC14]. Many-Core [TLC15, MAC14].
Marina [ACM69]. Markov [KR14, LBK08]. Marseille [Ng79]. Maryland [ACM90b]. Mass [BM08, LZ18]. masses [Vol12]. Massive [OR12, YDDB15, ZYQ+15]. Massively [CG87]. Mastering [Fri97a, Fri02, Fri06a, LR14, Rom14, Uma97, Ano97a, Hum97a, Hum97b].
Match [GHW05, KR92, LD10, Mor83, Pet92, Ses96, VB98, Zve80, Bak78, BBHK14, DWE89, GJS20, KCK93, Me15, ZCO09, ZCO12, HC87].
Match-Bounds [GHW05]. Matcher [HH83, Coo86, Ker07]. Matches [Dav73, KF91, Mut97, MOG98, PRU11, GHST17, Mha05, Ukl92, Yam19, ZD95]. Matching [AOK02, Abr87, ABM08, AC75, AG87, Aku94, AR00, ACR01, ABF94a, ABF96, AAL97b, AL97, AL99, AAL0, AAL+00, ALR08, AP10, Ano92b, Ano96, AYS84, iA94, AT02, ADLM96, AW89, Ash85, AJS92, AC20, ASA17, BST+03, BYP92, BYCMW94, BYN96, BYN97, BYN98, BYN99, Bak96, BEM+12, BCP02, BLP18, Bee81, BEL17, BH02, BH85, BKLP97, BKL+02, BL94, BM00, BBL93, Bow87, BG92, Bre93, Bre94a, BCT94, BG95, BCT98, BG96, BG12, BG14, BTC06, BL16, BK93e, BM95, BZ98, BGJ01, BCFIL12, BCC+13, CCIFG12, CF06, CFP19, CFM17, CDM11, CK02a, CLS+10, CL92, CM94, CL94, CCH99, CL97, CLP98, Cha02b, CN02, CTF+98, CZCD09, CHL14, CJBW16, CK92, CDEK95, CG94a, CLP95, CM08, CL95, Chu95, CW84, CJP82, COL94, Col94a].
Matching [CHP95, CH97a, CH02, CH03, CHL14, Col94b, CG79a, CG79b, Cox07, Cox09, Cox10a, Cox12, CP91, Cro92a, CR92, CCG+94, CR95b, CGPR95, CGG+97, CGH+98, CIK98, CIM+02, CIL+03, D’A98, DB86, DLG12, DN77, DCM15, DGM94, Dwe00, EV04, ETV88, Eke95, EMC96, EF13, FT98, FL12a, FL12b, FMP20, FMMS20, FG98, FL08, FR00, For02, FU98, Fre02, FNU02, FT04, Fre06, Fu95, Fu96, GHLW15, Gal76b, Gal79, GSO8, Gal81, GP90, GG91, GG92, Gal95, GPP04, GC01, GPR95a, GIK97, GP01, GP03, GIV03, Gav12, Gav13, GP93, GM02, Gia93, GG95, GG97, GM11, Gib21, Giv85, GKP19, GZ94, Gou02, GKH86, GRI79, GRI83, GL01, Gro02, GL06, GV05, GMM12, HD80, Han13a, Har02, Har97, HAR10, HL01, HT14, Haz01].
Matching [Hea71, HEWK03, Hei01, HL97, HUN+19, HH93a, Hig95, HT17, HO82, HST91, How97, Hui92, HW12, HN02, HN05, IS94, IMP01, IMR08, IST05, IS86, IZ83, JZA19, JLK+20, Jez15, JL96, JGZL12, JSC83, JU96, KPR97, KPR00, KU99, KS12a, KR81a, KR81b, KR87, KRS95, KR97, KO83, KP93, Kes79, Kha16, KTS99, KMT+01, Kid09, KST94, KS99, }
Gal84, GG86, GG87, Gal92, GP92, GU95, GPR95b, GR99, GU16, GGL94, GS00, GG13, GG13, GCO2, GW92, GBY90, GPN96, GF08, GFG11, GGN06, GL89, GV00, GM17, GZ10a, GS06, HWW07, HY92, HLS07, HFS05, HCS87, HR03, HH93b, HM06, HOK18a, HOK18b, HM00, HLS+11, HBRV10, HP01, HP03, HK77, How96]. matching [HLN09, HHL06, HFN05, Hyy08, IS96, Ier09, Ind97, Ind98, IS90, IK08, IM13, II86, ISHY88, JM93, JP11, JL93, Joh95, Joh94a, JU91, KTP10, KSVJ15, Kas08a, Kas08b, KN00, Kes91, KTS+98, KMS+03, KST92, Kim99, KWL07, KF+14, KC21, KNT11, KS01, KS05, KMP94, KS96, Kos89, Kos94, KM13, Kri09, KKR+13, KST16, KGP+05, KPA10, KT90, LMM17, LV86a, LV86b, LVN87, LV89, Lar99, LEC07, LLC03, LH13a, LH03, LG16, LS10, LS09, LP08, Liu18, LHC04, LK08, LO94, LT97, LLL13, MCF+11, MCF+14, MK90, MNU05, Man76, MBY91, MMZ10, Mar07, ME97, MAI+16, MP05, Mcl85, MM03, MM07, Mis03, MM+01, MR09a, MBH20, MA12, Mun95, Mus03, Mus05, MM89, Mye95, Mye99, NYuR15, Nak14, Nar91, NBY99c, NR00, Nav00, NKT+01]. matching [Nav01a, Nav01b, NR02, NF04, NT05, NC06, Neb06, NWE99, NdM02a, NC92, NR17, NK07, Nil90, OK94, dSOMY15, OR11, Oph89, OW03, P89, PLL10, PPTT15, Par98, PS90, PLT14, PC99, PP94, PeR94, Pet07, PMS11, PZ08, PDC94, PA10, QZC17, Quo92, RM06, RTO2a, RUG97, RTO15, Rus88, RLP20, SAD93, SV97, STK06, SaL12, SBB19, Sas79, SW09, Sch81, Sch91, Sch88, SZ05, Sen00, SS94, SGM+00, ST96a, SN94, Shi97, SIT77, SR16, Sni91, SDS14, SCGW14, SHC93. Spe85, Spp99a, Spp93, SA77, St02, SALP20, SWW+12, SLZ+20, SV87, SNN07, Tak96b, Tak93, TBS06, TZYH14, TJD+17, TM04, TM05b, TM06a, THG17, Tej20, Th93, TTT83, IIT13, TLS16, TJMC20, TLL07, TLL09, TCC91, THL+20, Uk92, Ukk93, Val09, Van06, VP17, VW11, Vio04]. matching [Vin77a, Vin77b, Vis90, Vol12, Wad87, WZS95, WGMH13, WFL14, WC14, WL15b, WZ96, WW03, Wat03, Wne94, XMLC11, YKGS11, Yae07, YT03, YB13, ZMA03, ZHZ10, ZHZ16, ZA17, ZS10, ZZC20, ZYX+12, dB93, dRL95, BCKM15, GH12, HTK+21, JD89, Neu10]. Matching-Based [CZCD09]. matchings [Iba97, RW10]. matchlib [Ano01]. MatchPy [KB18]. material [RH81]. Mathematica [Har97, Mae94]. mathematical [Rev91, Win78]. Mathematics [HM87, WSS94]. Matos [Pet95]. Matrices [CIK98, Gia93, PRU11, Lee82]. Matrix [FTJ95, JNS19, TZ94, Kar82]. Matrix-Vector [FTJ95]. Max [IMP01, WPKL13]. Max-Shift [IMP01]. Maximal [BJM79, Fra20, IF94, IS86, BGK+16, Che96, GHST17, II86, Ukk92, Rep98]. Maximal-munch [Rep98]. Maximally [BNV+13]. Maximize [LZZ13]. Maximum [ADLM96, ASA17, OP16, ADLM01, LMMN07]. May [AC06, ACM74, ACM76, ACM81, ACM84, ACM86, ACM90b, ACM91, ACM92d, ACM93b, ACM94c, ACM94d, ACM95b, ACM95c, ACM97a, ACM97c, ACM99a, ACM99b, ACM00, ACM08, Apo92, DT87, KLB12, SW94]. Mean [Alb89]. Means [Ray96, SS93a, OW03, WD99]. Measurement [Lee91]. measures [EZ74, EZ76]. Mechanical [NEH90]. mechanics
[NEH90]. mechanized [Chl08]. media [VD17]. meet [KSVJ15]. Meeting [NEH90]. Membership [CGS17, GM02, KZ02, Loh10, Pet02, MW94].

Memory
[KKK11, LP13, Lee98, SRV+19, TT20, TVCM12, FG99, JSH09, KFG15, LH13a, LMT16, Nak14, PLL10, YKGS11, YIAS89, ZYX+12, OWP16].

MEMORY-Based [OWP16]. Memory-Efficient [KKK11, LP13, PLL10, YKGS11].


mobile [CFM00]. Modal [Yod91, tC09]. Model [CMR18, FYJ+17, GN19, GWV+10, Hig95, MGH93, MGH97, PP09, SWY75, SCFC94, AB89, Liu81, NRO12, Tak96a, TG96]. Model-based [GN19].

Modeling [CLST+13, Haz01, SBHM94, KC15]. Models [BZ98, CDL95, CDL99, A+08, Coo89, CKC07, LT97, Nak14]. Modern [AAB+17]. modification [Sch81, TJMC20]. modified [KJS17, Leu97].

Modifier [WWW+16]. Modular [LP13, dSOMY15, MRA+17, MFRW09].


Moore [TJMC20, Ber00, Col94a, DR06, EMC96, Gal79, NT05, Ryt80, STK10, Sto02, Tak96b, TUR3, WW03]. Moore-style [WW03]. Morelia [BYCC03]. MorphJ [HS08]. morphology [Mus03]. morphology-driven [Mus03].
Morris [Bar81, DS04, Ukk10, PV91]. most
[FL13, GFG11, HY90, LR14, YH91]. Motif [BNV⁺13, Tan14, YHV⁺15].
Motion [CZW15, KC99]. motivate [Fla88]. moves [CM07]. moyenne
[Alb89]. MPI [MM02, MM03, PSK08]. MPI-IO [PSK08]. MR [Gro91a].
MT [ZV97]. Mukherjee [Neu10]. Multi
[CJ93, FMdB99, GG95, GG97, Har02, HUN⁺19, LY17, LT03, LT09a,
NBY99a, OR12, OSSK16, PLL08, TMK⁺02, WSW16, Alb89, ARS16, CPT92,
CCG⁺99, ETV88, JKNS00, KTP10, KPA10, OW03, SDA17, XMLC11, YT03].
Multi-alternate [Har02]. Multi-byte [TMK⁺02]. Multi-combinators
[LT09a]. Multi-Core [LY17, JA17, JXA20]. Multi-Dimensional
[GG95, GG97, NBY99a, JKNS00, XMLC11]. Multi-field [WSW16].
Multi-method [FMdB99]. multi-pattern
[Alb89, CPT92, CCG⁺99, KTP10]. multi-patterns [KPA10].
multi-resolution [OW03]. multi-striding [ARS16]. Multi-String
[PLL08, YT03]. multi-tenant [SDA17]. multi-text [YT03].
Multi-Threading [OR12]. Multi-Track [HUN⁺19, LT03]. Multi-view
[CF93]. Multibox [Dya94]. Multicast [Sch95]. multicharacter [CW13].
Multicore [YP13, ZLN11]. Multidimensional [SN92]. Multidisciplinary
[Kn89]. Multidisk [KCK93]. multihead [CR87, Pet94]. multilingual
[ZV97]. Multimodal [BWG12]. Multipattern
[STK06, Yun12, ZS13, BBK12]. Multiple
[BYN97, BLP94, CF06, CJS12, FL12b, Gaw12, IS94, IS96, KTS⁺98,
KMT⁺01, KMM15, LLC17, LT90b, LBK08, Mut00, OR12, PW95, SVS97,
SLAP20, TM05b, VWR11, CKO2b, Da09, Fen01a, FN04, HFN05, KM13,
KGP⁺05, KIH15, Maa06, Mha05, NF04, PC02, PW06, WL15a, WZ96, ZC89].
Multiple-pattern [TM05b]. Multiple-Stride [VWR11]. multiplexing
[Quo92]. Multiply [FT93]. Multiprocessing [WBA83]. multiprocessor
[Vin77a, Vin77b]. Multiterm [Bur84, Bur82]. Multithreaded [EGP14].
Multivariate [CvW18]. Multiview [ZCS⁺12]. munch [Rep98]. Munich

namedCapture [Hoc19]. Names [VB12]. Nancy [Bun94].
nanolithography [SS93b]. narrowing [AEH94]. Nashville [ACM90a].
Natural [Fre06, GR96, vNG01]. Natural-Language [GR96]. Navarro
[Hyy08]. Navigational [LR5V18]. nd [OND98]. nd-order [OND98]. near
[HFFA09]. near-optimal [HFFA09]. Nearest [CEMW91, QQ⁺13].
Nearest-neighbour [CEMW91]. necessary [KT90]. Need [Gon02].
needed [AEH94]. Negative [YQW⁺16]. neighborhood [KS11a].
neighbour [CEMW91]. Neighbourhoods [NRS18]. Nerode [WZU14].
Nets [CEW58, Sim83, BG91a, GR92, Kle56]. Network
[BNV⁺13, CFM17, CFS⁺89, LY17, LN19, Rei03, ZL18, BKLE18, CMS08,
network-based [BKLE18]. Networks [CLP95, DCM15, JGZL12, MSP+17, Ray96, SF01, CEMW91, Kin89, KD15, LLL12, LYWL08, MMDdJ11, SD91, SDA17, VD17]. Neural [AB89, CG87, CLP95, SF01, Kin89].

Neuromata [ˇSW98]. Neural-CSI [VW92].


NFA [ARS16, Cha01, CP97, GS81a, Kod79, LS09]. NFA-based [ARS16]. NFA-OBDDs [YKGS11]. NFA’s [ARS16]. NFA’s [ARS16].

NFA’s [ARS16]. NFA’s [ARS16]. NFA’s [ARS16].

NFA-OBDDs [YKGS11]. NFA’s [ARS16]. NFA’s [ARS16].

NIDS [TK07]. NIDS/NIPS [TK07].

Nineteenth [ACM92a, IEE95b]. Ninth [ACM90a, ACM97c].

NIPS [TK07]. Normal [BMMR19, JR15b]. normalization [KWLL08].

North [IEE89]. notation [Man06, Rev91]. notations [Vol12].

Not [Ano17, BST+03, CR92, Gra15, Gro91b, Ryt89, Sil77, tC09]. notes [BLPL92]. notion [Cha02c]. Novel [LLCC13, LS99]. November [A+08, IEE88, IEE89, IEE93, IEE98, NEH90].

Novice [JNS08, MLM+08, PP94]. NP [TCC91]. NP-completeness [TCC91].

NR [Nav01b]. NR-grep [Nav01b]. NUCA [HFFA09]. Nucleic [CCL87].

nucleotide [LVN87]. Number [BM00, GPR95a, GS81a, Kod79, LS09].

Numeric [KAN+17]. Nutshell [Gt92, Rob99]. NY [AP10].

O [PSK08, ZYQ+15]. OBDDs [CH04, YKGS11]. obfuscation [OSSK16].

Object [CJ93, GP93, LT90b, Coo89, GPTV93, LLC03, TG96].

Object-Oriented [GP93, LLC03]. Objects [BZ98, SP16, Alb89, HNB+13, IM13, Mar89, MR05]. Oblivious [FV16, HLS+11]. Observations [Hun79, APTS13]. Obtaining [HW07, DR06].

OCaml [Fri06b]. Occurrence [CIL+03, Cha02c, Mus05]. occurrences [FLSS93a, FLSS93b]. OCR [San95, TIA90]. October [Bao93, IEE89, IEE90, IEE92, IEE95a, IEE97, IEE09]. off [MNS07]. offer [LS99]. Offers [Fri97b]. Offline [MT14]. offs [GHST17]. omega [SMT+86].

omega-extended [SMT+86]. Omni [Wa86]. Omni-Font [Wo86]. On-Line [FG98, GG97, Lut02, Prü17, Tak86, BEL17, CLP95, Frec06, Joh95, KNT11, NEL17, CT96, FG95, Gal75, NRO2, TI83]. One [JKNS00, JL96, LY86, Sch91, Sh91, WC14, Alb89, AGM05, Bak78, CX20, CR87, CCG+93, GGL94, JL93, LMNT16]. One-dimensional [JKNS00, WC14]. one-letter [AGM05]. one-unambiguous [CX20].
One-Way [JL96, LY86, Sch91, She59, CR87, GGL94, JL93]. Online [FL12a, FMP20, LH13b, PS10, CJKPS13, FL13, KM13]. only [GS81a].
Ontario [Cha86]. Open [SDS14, AC93, ZdS018]. Operating [IEE01a, IEE01d, IEE01c, IEE01b]. Operational [HI83]. Operations [DJ96, AGM05, Ear74, GW92, GH09]. operator [HC87]. Operators [For02, Kea91a, Sym58, MmDdJ11].
Optimal [AO02, AR00, ABF94b, BH96, CLZ+15, CG94a, CR92, CGH+98, FCLST07, FG95, FG98, FK16, FNU02, Gal84, Gal95, Gaw13, GG97, Hig86, IY02a, IU02b, KU99, KR94, LMMN07, MS98, MP88, Mor83, Mnk14, NWE97, NdMM02b, RT17, SN92, BKBB+14, BG90, BKS02, CMO+08, CR94, FNU02, GS81b, GS83, Gal92, GR99, GHK14, HFFA09, IKX15, IP96, KR89, KT90, MSRR00, MS95, Neb06, PPTT15, Ry89, ZC99]. Optimally [CCG+93].
Optimising [Chi17]. Optimization [GC01, HJ99, LT09, Sca11, Spi99b, CK02b, KWLL08, KGP+05, SJ13, Spi99a, VW11]. optimizations [PSK17]. Optimized [AK09b]. Optimizing [CJBW13, CJBW16, CMNP17, Kha16, LM01a, KS08]. Optimum [LD10].
Oracle [FPD08, GL03]. oracled [PPPdG20]. Order [GU16, HW12, JR15b, KEE+14, KAN+17, SDM01, Waj74, BLSS03, CFFK17, Chl08, CNPS15, CT96, DGM19, Dow91, Gie90, Kes91, NRO12, OR11, OND98, Pin08, TPT13, Zel08]. Order- [Waj74]. Order-preserving [GU16, KEE+14, CFFK17, CNPS15, DGM19], order-sorted [Gie90, Kes91]. Ordered [ST04, Cro92b, Gro91a, Gro91b, Määk89]. ordinary [Rev91].
Oregon [ACM94a, ACM00, BGNP94]. O’Reilly [Ano97a, Ano12].
Organization [IK83]. Organizing [CG87]. Orientation [TCC90].
Oriented [GP93, KS94, GPTV93, LCO03, Mus05, TG96]. Orlando [IEE88].
Orleans [ACM91, ACM97b]. Ornaments [Rém17]. Oscillator [FYJ+17].
Overlaps [AGM19]. Overlay [LT16]. overview [PVA+92, Tur86]. Own [ZGY+16].

Palindrome-Recognition [Gal76b]. palindromes [HNN+20].
Palindromic [HIRS17]. Palo [IEE93, IE98]. PAMA [LCL06]. paper [Pet95]. Papers [Cro92a, Moo64, ACM69, ACM74, ACM76, ACM81, ACM92a, ACM92b, ACM93a, ACM94a, ACM95a, IEE92, IE93, A+08].

Palindrome-Recognition [Gal76b]. palindromes [HNN+20].
Palindromic [HIRS17]. Palo [IEE93, IE98]. PAMA [LCL06]. paper [Pet95]. Papers [Cro92a, Moo64, ACM69, ACM74, ACM76, ACM81, ACM92a, ACM92b, ACM93a, ACM94a, ACM95a, IEE92, IE93, A+08].
paradigm [AC93]. PARAID [WOQ+07]. Parallel
[Ash85, BL94, BG92, CF06, CG87, Che96, CHL14, CCL87, CR92, CGG+97,
CGH+98, DK13, ECSS88, GG87, Gal95, GJ16, GHK+91, GZ94, GS85, GIG77,
HT17, HN02, HN05, IS86, KR94, KKK11, Küll0, LCC13, LLC17, MS01,
MR09b, Mst00, NR98, RR90, SV94, SN92, TCL15, TVCM12, VMM15,
Wei83, BGNP94, BLPL92, BG90, BG91b, Bre94b, Bre95, BH96, CL09,
CG+93, CR91, CR94, Gal84, Gal92, GS93b, GF08, Hur84, Hyy88, IS86,
JRV96, KIH15, LV17, MK90, Mis03, MMS14, NYuR15, Ryt89, TLS16, ZC99].
Parallel-Algorithms [SV94].
Parallelism [JA17, JXA20, MKF91, WRi94,
ASM17, CFKT17, HFN05, LV86b, NR00, RW93, SBB19]. Parallelizable
[ATX21]. Parallelization [KP93, RP95]. Parallelizing [HN90, MIH17].
Parameter [Jok90, Sut21]. Parameterized
[Bak96, BRL13, BDFW94, CHLT14, IS94, OP16, PA10, AF94, Bak93,
BA16, CGK08, FM06, HLS07, IS96, KC21, KPA10]. Parameters
[CJMW16, CJBW13]. Parametric [Chl08, HPM94]. parametricity [Rém17].
parentheses [PDC94]. parentheses-matching [PDC94]. Parenthesis
[Sto96]. Paris [Cro92a]. Park [IEE89]. Parse
[Kea91a, DF00]. Parser
[Bac94, BLL12, CDLV99, CDLV02, HJ99, LM01b, Tar81a, Tar81b, TPT13,
BBG13, Che96, CK02b, LM12, MF96, PC02, YCJ08, YT03]. Path
[TP13]. path-wise [MF96]. paths [GLS07, LM13]. Pattern
[AM3+92, ABF94a, ABF94, AAL97b, ALL97, AAL+97a, ALLL98a,
ALL00, AAL+00, ALR08, AAB+09, AP10, AWS16, Ano92b, Ano96, Ano17,
AJS92, AGS96, AD11, BYN98, Bak96, BCD98, BEM+12, BLP18, BEE81, BKLP97, BKL+02,
BKM15, BBL93, BBL98, Bow87, BTC06, BL16, BGJ01, BCFL12, BC93,
BCC+13, CCF12, CFM17, CS98, CDM11, CG87, CK04, CLST+13, Cha02b,
CZCD09, CK92, CDEK95, CG94a, CLP95, CM08, CL95, CHZ06, CEPR10,
CJS12, CDP14, CH03, Col94b, CG79a, CG79b, Cro92a, CR92, CR95b,
CGPR95, CL96, CGH+98, D’A98, DB86, DWE89, DLG12, DN77, Dit78,
DCM15, DGM94, Dwe00, EIV04, EF13, EGP14, Far92, FMMS20, FL08,
FR00, For02, FNU02, Fu95, Fu96, Fu97, GLH15, GPP04, GC01]. Pattern
[GS99, GIK97, GP01, GP03, GIMV03, Gaw12, Gaw13, GP93, GM02, Gla93,
GG95, GG97, GM11, GMC02, Gil85, GW92, GKP19, GGN06, Grif97, Grif83,
GL01, Gro92, GL86, Har02, Har97, HAR10, HH83, HL10, HT14, Haz01, Hea71,
HEWK03, Hei01, HL97, HUN+19, Hig95, HO82, HSTS01, How97, HW12, 
CVP86, IMR08, IST05, JLK+20, Jez15, JSC83, KPR97, KPR00, KU99, KS12a, 
KR81a, KR81b, KR87, KR94, KR95, KRS95, KRS97, KN00, KP93, Kes91, Kes79, 
KTS99, KMT+01, Kid09, KS09, KKSL01, KKK11, KS01, KS06, KM92, 
KM95a, KM95b, KMP77, KRR17, Kor83, Kra08, KB18, KK02, KU09, KNS12, 
Kiü10, KVX12, KNMH00, KC99, Lab12, LV94, Lav91, LP13, LM01a, LKL02, 
LSTW+17, LY17, LT03, Les95, LV06, TTL04, LA12, LLCC13, LHJ+17]. 

Pattern [LLC17, LP11, Liu86, Liu88, LM02, Lut02, MZ07, MS98, MKF91, 
MU02, MW92a, MW92b, MGW14, MR11, MHT09, MUHT96, Mc95, MS01, 
Mon17, Mu 95, MuT95, Mut00, Mye92, Nao91, Nar91, Nav98, NBY99a, 
NR99b, NBY01, NR03, Nav04b, NWE97, Ned98, NdMM02b, ND02, Neu10, 
NRS18, NCKL14, OR12, OP16, OW03, Ott94, PDL98, PS10, Par96, PV91, 
Pet92, PW95, PPZ08, PP09, Pou93, PK85, PS93b, RR90, RR92, Rao95, 
RM88, RKM21, RS98, Ric79, Ris16, RSG+19, SMD04, SCFC94, SN92, SP16, 
Sch95, SRR92, SRR95, Sch84, Ses96, Sha93, SN94, STSA99, SKF+00, Shi00, 
Shi04, SSSS10, Sim93, SF01, SDM01, SW09, Som82, Spi99b, Tak86, Tak94, 
TMK+02, TM05a, TMV+01, TSH13, TK07, TL12a, TL12b, Ukk10, VSM87, 
VWR11, Via02]. Pattern [VG01, VRD01, Vis91, Vis99, Vol12, VS01, VB98, WCM+94b, WZS95, 
WSW16, Wat96, WKA94, WD99, WBA83, WM92b, Xi03, YP13, YK11, 
YD18, ZZ12, ZHH10, Zha17, ZdSO18, ZLN11, ZT89, Zue96, ADR03, 
ADRO6, AK08, AK09a, Atk78, Alb89, AS99, AYCLS02, ALV92, ALL98b, 
AL01, ABC+04, AKT06, ALL07, ABH+14, Ano01, Aoe89, Apo92, Apo93, 
AH97, ACP05, AP90, ADLM01, AG06, BKLE18, BYR93, BYCC03, Bak93, 
BD90, BEM+13, BA15, BA16, BCD14, BPPR20, Bz77a, BG89, BO13, 
Bra95, BBHK14, BKS02, BDM19, CGK08, CPT92, CPW88, CFF88, CGM10, 
Chah9b, Cha93a, CKP+21, Cha87, Cha02c, CRV06, CR95a, CLS95, CFKT17, 
CNPS15, CNS18, CS11, CWZ10, CJP13, CDP16, CA20, CCG+93, CH97b, 
CT96, CD89, CCR93, CG94b, CR94, CCG+99b, CCK07, DS04, DA18]. Pattern [DGG+19, DGM19, Dij76, Dijxx, Dow91, Dow93, DGM90, EASK14, 
ETV21, FLM+10, FWL13a, FWL13b, FLC+19, FC98, FH18, Fen01b, 
FBMA05, Fri97b, Ga004, GP92, GU95, GR99, GU16, GS00, GGF13, GG13, 
GP96, GJS20, GZ10a, GS06, HW07, HC87, HM96, HBR10, HP01, 
HP03, HK77, How96, HLNO9, Iba97, Ier09, Ind97, IM13, ISHY88, JM93, 
JP11, Jon07, KTP10, KS15, KS07, KS98a, KS98b, KTS+98, KMS+03, 
KHK93, Kim99, KS11a, Kin89, KS05, KMP94, KD15, Kos99, Kos94, KM13, 
Kri09, KKR+13, KG+05, LLC03, LH13a, LH03, LS10, LS09, LP08, Liu81, 
LKO8, LO94, MCF+11, MCF+14, MK90, Manus, MMZ10, Mar07, MAI+16, 
MP05, MMH+01, MR09a, MR13, MA12, Mun95, NYRI15, Nav00, Nav01b, 
NR02, NWE99, NDMM02a, NR17, NK07, NM90]. Pattern [OK94, OR11, Oph89, OSS16, Owo93, PPTT15, Par98, PS90, PC99, Per94, 
PMS11, Quo92, RM06, Rus88, SBB19, Sas79, Sch81, Sch91, Sch88, Sen00, 
SGYM00, Sil77, Smi91, SDS14, SGCW14, SCHY93, Spe85, Spi99a, Srl93, 
Sto02, SALP20, SNM07, TZYH14, TM04, TM05b, Tej20, Thi93, TTT83, 

Pattern-Based [EGP14, Far92, KS07].
Pattern-Directed [Kor83].
Pattern-Match [Pet92, GJS20].
Pattern-Matching [FR00, KPR97, KPR00, KR81a, KR81b, KR87, KRS95, KRS97, KP93, KVX12, LY17, Lut02, MUHT96, NWE97, Ned98, Ott94, Pou93, SCFC94, Sch95, SSSS10, SW09, WM92b, CL96, GMC02, KN00, CFl88, DJxx, Fri97b, Gaå04, Ier09, KSVJ15, LH13a, Nav01b, NWE99, NdMM02a, OR11, Per94, Sch88, Wea94].
Pattern-Recognition [AWS16].
Patterns [BLR14, BH85, CLP98, CMNP17, Gim73, HNB+13, IS94, JGZL12, Kha16, Les79, Pr˚u17, SB09, TMV+01, ADT15, Alb89, AG06, BLR11, BSM+07, BFS04, Bro77, CP10, Dan91, ETV88, IS96, JSH09, KPA10, KIH15, KRML09, LMM17, MR90a, NdMM02a, Tak93, Ver92, Vou06, Wal89, ZKCY07, ZJL14].
PCRE [Anoxx].
Pearl [KN12, DA20, FHW10, JR15a].
Pearls [Ben86, Ben00, Bir10].
pebbles [EHS07].
peeling [ALLT11].
Peephole [Spi99b, BA06, Spi99a].
peer [AB09].
peer-to-peer [AB09].
Penalties [KM92, KM95a].
Pennsylvania [ACM76, ACM99a, IEE92].
Peptide [LZ18, SVS97].
Perfect [LLLC17, XMLC11].
Perform [MW92b].
Performance [FWW12, HKL+14, IS90, JLK+20, Lee09, MM02, MM03, RSG+19, Sca11, YP12, YK11, YJ84, CGM10, Fan01b, Hur84, LH13a, SNB+19, SWZ01].
perils [Fen01b].
Periodic [Mat94, CDM11, FLSS93a, FLSS93b, ZKCY07].
Periodicities [Sli83].
Periodicity [GFP04, MAI+16].
Perl [Lab12, Ano97a, Anoxx, Fri97a, Han01, LT09, SPF08, Snu01, SM04, Stu07, Val09].
Permutation [BL16, CNS18, KKR+13, BCKM15].
Permutations [BBLL93, BBLL98,Chr96, Iba97].
Permuted [HUN+19, BEL04].
Perrin [Bre93, Bre96].
Personal [VB12].
Pesky [CJBW16, CJBW13].
Petri [GR92, PP85].
Phase [FYJ+17, CK02b].
PhD [HF13].
phen [Lia84].
Phi [TLS16].
Philadelphia [ACM99a].
PHP [B+05, GSI17, ST03, SM04, Stu07].
Picking [CJBW13, CJBW16].
Picocnets [LTL04].
Pictorial [DOS93].
picture [Mar89, TCC91].
Pictures [AGM19, JSC83, Tak93].
Pipelined [PLL08, ISHY88, PLL10].
Pisa [FL08].
Piscataway [FC98].
 Pitfall [OK94, KO94].
Pittsburgh [IEE92].
PL [FPD08].
PL/SQL [FPD08].
place [HTX17].
placement [HFFA09].
Plagiarism [PAMP12].
Planar [CM08, Hig86, TZYH14].
plane [AK09a].
planner [HRN+15].
planted [Tan14].
PLAs [KTU87].
plasma [AP90].
Platform [HZ13, ZLN11, FNP09].
play [FHW10].
 Plexus [AB09].
plush [II09, MI07].
Plushie [MI07].
PMETA [Kes79].
pocket [FPD08, GL03, Stu03, Stu07].
PODS [ACM95b, ACM99a, ACM97, HC13, ACM90a, ACM92b, ACM94c, ACM95b, ACM97a, ACM98].
PODS’11 [Len11].
PODS’12 [KLB12].
PODS’13 [HF13].
Point [CM08, GIMV03, Hig86, MU02, Ukk10, VS01, WKA94, ZHWW12, dRL95, AK09a, CGK08, CS98, Rot91, TZYH14, WC14].
Point-Pattern [MU02].
pointer [MF96].
points [Jon13].
Poland [Win78].


Population [TMV+01]. Population-Based [TMV+01]. Portable [IEE01a, IEE01d, IEE01c, IEE01b, ZGE85]. portfolio [LH13b]. Portland [ACM94a, ACM00, BGNP94]. Posets [FK16]. Position [PRU11]. Positions [IY02a, IY02b]. POSIX [IEE01a, IEE01d, IEE01c, IEE01b, ZGE85]. possibilities [LS99]. Post [KGP+05]. Post-compilation [KGP+05].

Postprocessing [RJK79]. PostScript [HV93]. Potential [KNM10]. Power [Bao93, Wu90, KK95, Lut02, NR99b, PPTT15, TTHP05, BGP+05, WOQ+07]. power-aware [WOQ+07].

PowerEN [HKL+14]. Powerful [Ano97a, Pol01, Fri97a]. Practical [ALR08, BYP92, CSY03, HHM+13, KK95, Lut02, NT20, NR99b, PPTT15, TTHP05, BGP+05, WOQ+07].

Practicality [TT82]. Practice [CCFG12, CJBW16, DGBH93, KP99a, CJBW13, DRSS96, WL15b, Lut02, KKP92].

PRAM [PDC94, dB93]. Pratt [Bar81, DS04, PV91, Ukk10]. Prealignment [KYG19]. Precessions [SS93a].

Precise [PR17]. predicate [BG91a, MFRW09]. predicate/transition [BG91a]. predicates [Gan89b, STK+93, TP+07a, TP+07b]. prediction [Fen01b]. Predictive [KKS01].

Prefix [BM00, BCT94, CJK98, GLS92, HWW07, Han13a, HAR02, HTK+21, RT17, BBHK14, CJK98, Bre95, BFK+03, DK13]. Prefix-Free [Han13a, HWW07].

Prefix-Matching [BCT94, BCT98, CJK98, Bre95].

Preliminary [GS+11, LS94, WCM+94b, Kos94, WCM+94a]. Preprocessing [Nao91, CCG+93, Ry980, Sto02, Tak96]. Presence [HT14]. presented [ACM69, ACM74, ACM76, ACM81, ACM92a, ACM92c, ACM93a, ACM94a, ACM95a, NEH90].

Preserving [SNS19, XZL+19, CFK+17, CNP+15, DGM19, GU16, KE+14, QWP+15].

Press [Ano97b]. Prevention [TS05, TB06]. previews [Chi17].


principled [Cox10b]. Principles [ACM83, ACM87, ACM90a, ACM92a, ACM92b, ACM93a, ACM94a, ACM94c, ACM95a, ACM95b, ACM97a, ACM98, ACM99a, ACM99b, ACM90, DRSS96, HF13, KL12, Len11, MMZ10, KKP92].

Priority [Lav91]. Privacy [SNS19, XZL+19]. Privacy-Preserving [SNS19, XZL+19].

private [WR15]. privatization [RP95]. Probabilistic [AJ82, CZDH17, LSV08, MHKR12, Sch91, TMV+01].

Probabilities [PM78, Neb06]. Probability [SCFC94, SD95]. Problem [BCT94, BCT98, CF96, CK02a, FR17, Hu192, KO83, KS11b, KS12b, KZ02, Pet02, PW93, Sut21, Yan95, Akl78, B+05, BSTU08, BC06, BCT93, CNS18, CM07, Dj76, Djx, FL13, Goo05, Gra15, Gro91a, GZ10b, Hov12, Kar82, KD15, Lei81, Maa06, Mae90, Måk89, Man76, RTO15, Rob79, Sch81, SZ05, Tak96a, Tan14, Tho81, YT03, YHV+15, tC09, GLS92, BLPL92].
problem-based [BC06]. problem-solution [B^+05, Goo05].
problem-solving [Tak96a]. Problems
[CK92, Gon02, Hef71, KPR97, KPR00, Loh10, MNS10, OP16, RS59, SV94,
Tar81a, Tar81b, Via02, FMD99, Gro91b, GHK14, HY92, HTX17, Hum79,
Ind98, Kra98, Mid96, Nic93, Sri93, SH85, Via04]. Procedural
[Sym85]. Procedure
[Gin67, HW09]. procedures [MP88, TN13, TN15].
Proceedings [ACM90a, ACM92b, ACM94b, ACM94c, ACM95b, ACM97a,
ACM98, DGBH93, KP15, KLB12, Len93, Len11, Lev95, SC04, SC05, SM99,
ACM81, ACM08, ABB93, B^+02, Bro93, HF13, IEE92, IEE93, IEE94a, IEE98,
MG94, SC93, SC99, SC01, SC02, SC03, SM10, WN90, Win78, ACM83,
ACM84, ACM86, ACM90b, ACM91, ACM92c, ACM92d, ACM93b, ACM94d,
ACM95c, ACM97b, ACM97c, ACM99a, ACM99b, ACM00, ACM06, ACM07,
AL01, AP10, AGS93a, AGS93b, AGS93c, Ano87, AAC+01, AT02, AOV+99,
BYCC03, Bao93, Cha86, DT87, DMVT13, FC98, FL08, FJ92, FMA02, G800,
GM11, Hwa85, CVP86, IEE88, IEE90, IEE94b, IEE95b, IEE09, KS12a, KU90,
LV96, MZ97, PC99, SMD04, SW94, ST92, SC98, USE92, Apo02, Apo93,
AH97, ACM95, BGNP94, Bun94, CG94b, GU95, HM96]. Proceedings
[BGG+94]. Process [Gro91a, VVV04]. Processes
[SBF80, AB99]. Programmable [CF89, GHK+91, LK90, LK88, MM07]. Programmer
[BF07, Mae94]. Programming
[ACM92a, ACM92c, ACM93a, ACM94a, ACM95a, AGT89, AWS16, Ben86,
Ben00, Ham88, Hud89, KP99a, KN17, Knu95, Knu83, Mac94, Mor90, Mye98,
ND02, NM10, Ruc15, Sym85, Tho68, VHC88, Wen93, ACM87, APTS13,
AC93, BDIT16, BAC06, BK89, CM86, Com90, DV21, Ear74, Fla88,
HJW+92, KOS8, KN19, Mor02, Mye99, Pie08, Smi91, YIAS89]. Programs
[Bir77a, EGP14, RND97, VMML15, BK86, HJW+92, Jon07, KOI94, Kap69,
NCH99, NCH99, OK94, OR11, SLTB+06]. PROGRES
[Zue96]. Progressive
[CZW15, XMLC11]. Projections
[Wei83]. PROLOG
[Wei84, CF88, Gan89a]. Proof
[Asp12, KN12, PPT15]. ProofChecker
[SBR+07]. Proofs
[GHW05, KPP21, SBR+07]. Properties
[Sli78, AS85, FWDL15, LMN16]. property
[KKM85, LM13]. Proportion
[AW89]. Proposal
[Liu88]. Protein
[BNV+13, CLST+13, CCL87, LSTW+17, Les95, LZ18, MGW14, NR93, Pol13,
VG01, FLSS93a, FLSS93b, HAI02, KD15]. Protein-DNA
[CLST+13, LSTW+17]. Protocol
[XZL+19, AB09]. Protocols
[GKW+10, HL10, HSL10]. **Prototype** [Mu95, MuT95, Mun95].

**Prototyping** [CF8+89]. **Provably** [GH13]. **provers** [VLP17]. **providing** [BH07]. **proxies** [KT14]. **Proximity** [BYCMW94]. **Pruning** [ZGS+15, PC02]. **pu** [Lia84]. **publish** [ZCT14]. **publish/subscribe** [ZCT14].

**Punctuation** [GWvG10]. **Purdue** [Hig95]. **purely** [HJW+92]. **Purpose** [VCS+12, AAB+86, Sch91]. **push** [GOMSJVGP08]. **Pushdown** [MS98]. **Puzzle** [BK93c]. **pyramid** [SS94].

**Python** [DV21, KB18, LR14, Rom14, SM04, Stu07].

Q [MP88]. **Q&A** [Cal00]. **Q-Coder** [MP88]. **QED** [Ritxx]. **quadtree** [SS94].

**quadtrees** [BK89]. **qualitative** [MLM+08]. **Quality** [LLW+15].

**Quantitative** [ARM+19, Liu88, Sca11, YPG21, MRA+17]. **Quantum** [Mon17].

**QuadTree** [Hig95]. **purely** [HJW+92]. **Purpose** [VCS+12, AAB+86, Sch91].

**Pushdown** [MS98]. **Puzzle** [BK93c]. **pyramid** [SS94].

**Python** [DV21, KB18, LR14, Rom14, SM04, Stu07].

Q [MP88]. **Q&A** [Cal00]. **Q-Coder** [MP88]. **QED** [Ritxx]. **quadtree** [SS94].

**quadtrees** [BK89]. **qualitative** [MLM+08]. **Quality** [LLW+15].

**Quantitative** [ARM+19, Liu88, Sca11, YPG21, MRA+17]. **Quantum** [Mon17].

**QuadTree** [Hig95]. **purely** [HJW+92]. **Purpose** [VCS+12, AAB+86, Sch91].

**Pushdown** [MS98]. **Puzzle** [BK93c]. **pyramid** [SS94].

**Python** [DV21, KB18, LR14, Rom14, SM04, Stu07].

R [Hoc19, KW19, Ram94, Val09, van14, Lab12]. **R-Trie** [KW19]. **Rabin** [GBY90]. **RAID** [WQO+07]. **Random**

[Ale94, RKh02, SD95, CADA18, CRV06, SN94, Yao79]. **Randomized**

[AJS92, ACD01, BST+03, CGG+97, KR81a, KR81b, KR87, AGW13, CH97b, II86]. **range** [HFI+08]. **Rapidly** [DV21, KB18, LR14, Rom14, SM04, Stu07]. **Quick** [Rob99]. **Quickscan** [Sil77]. **quirky** [MLM+08].

**Quoted** [PSK17]. **Quotient** [FPF08].

R [Hoc19, KW19, Ram94, Val09, van14, Lab12]. **R-Trie** [KW19]. **Rabin** [GBY90]. **RAID** [WQO+07]. **Random**

[Ale94, RKh02, SD95, CADA18, CRV06, SN94, Yao79]. **Randomized**

[AJS92, ACD01, BST+03, CGG+97, KR81a, KR81b, KR87, AGW13, CH97b, II86]. **range** [HFI+08]. **Rapidly** [DV21, KB18, Rom14, SM04, Stu07]. **Quick** [Rob99]. **Quickscan** [Sil77]. **quirky** [MLM+08].

**Quoted** [PSK17]. **Quotient** [FPF08].
Rectilinear [GK86]. Recursion [Bir77b, AP13, BFS00, CM90, CMW87]. Recursive [FR00, FKP77, JD89, Dow93, GPR95b, HN90, Kra08]. Reduce [CKW09, SASU13, Har79, Kes79]. Reduced [TJD+17]. reducibility [KR95].
Reduction [KNMH00, She59, DWE89, RP95]. redundancy [Joh94b]. Redundant [RJK79]. reexamined [ORT08]. Refactoring [WGMH13].
refactorization [Rém17]. Reference [Rob99, Sch14, FPD08, GL03, Mha05, Sto03, Sto07, ZZJC20]. references [FS19, WL15a]. referencing [Lar98]. Refined [Pet94, Sch88]. refinement [ASJWD18, Mor90]. reflection [HS08, Mort2]. Reflective [Dwe00].
regions [CM95]. Register [VSM87]. Registration [DMWW77]. Regular [ARM+19, AM91, ADR15, Ano98, Anoxx, Anoxx, Ant95, Asp12, Bac94, BLR14, BTG83, BDD+14, BR20, BC13b, BF97, Ber00, BGNV10, Bra94, BC94, BFS04, BMMR19, BTC06, BK93a, BKW92c, BK93d, Brz62, BP63, Brz64b, Brz64a, Brz65, CDLV99, CDLV02, Cam99, CSY03, CZ01, Cha01, Cha02a, CLOZ04, COZ09, CJM12, CDJM15, CGR02, CJBW16, CHP92, CC97, CKW09, CGS17, CDL95, CDL99, Coox07, Cox09, Cox10a, Coo12, Dai99, Dav03, Dav04, Dav21, DM11, EU98, FRU+20, FLS98, FU82, Fri02, GJ16, GR909, GM12, GN12, Ghi62, Gil21, Gil70, Gin67, Gol93, Go005, Gl12, GH13, GH15, HHH+13, Hab04, HM98, Ham88, HW006, Han13a, Han13b, HW03, HN11, HJ99, Hir96, Hol84, HK11, Hos06, HVP00, HP01, HP03, HVP05, HN00]. Regular [HSW97, HSW01, Hum97a, Hum97b, Hum99, IY02a, IY02b, JKL+20, KTo6, Kap69, KTo87, Kena1, KP99b, KP99c, Kin92, KM92, KM95a, KLH16, KMRY20, KN12, KV15, KZ02, KST12, LS99, LS06, Lar98, Lee09, LZHZ98, LM01b, LTV15, LTN16, LTN9, LTO9, Loh10, Las96, Mag81, MNS10, MY60, MPN+14, MSZ17, MR09b, MPDS12, MGF97, Mye92, MOG98, NR99a, NR01, Nav01c, Nav04a, NR04, NM10, OW016, Org03, OF61, ORT08, ORT09, Pak91, PM78, PPA10, Pat71, Pet02, Pra97, Pre99, Ray96, Rez92, Ric79, SA96, Sca11, Sch99, SD95, SS93a, Son99, Spe85, SM99, Sto03, Sto07, SL17, TV14, TB00, Uma97, VCS+0, VHC88, Wag74, WPKL13, Wat96, Wen93, WMM95, WZU14, XJ92, XLC19, Yam01, YPG21, YP12, YQW+16, ZGS+15, ZMWL20, Zia96, dLFM07, vNG01]. regular [AF198, Ano97a, AGM05, AM95, Ant96, AOMC07, ACM02, BCG07, BYG96, BBG13, BAC12, BRL13, BfDFED+20, BG91a, BDFR08, BdVM17, BBvdM21, BS86, BNSV10, BFC08, BFG09, BK86, Bra95, BH07, BK92a,
BKW92b, BK93b, BK93c, BDM19, CGR03, CP97, CJBW13, CX20, Chi17, 
Ch078, CK02b, CLT07, CK08, CGPS13b, CGPS13a, Cox10b, CDLM17, 
DL03, DF00, EZ74, EZ76, FL71, FDG+11, FHW10, Fos89, FS19, Fri97a, 
Fri06a, GLRA11, GR92, Gef03, Gel10, GL03, GS07, GMS12, GM17, GH09, 
HW07, HWW07, HY90, HSJ04, Hoc19, HW09, Hov12, Hun79, Jan85, JSH09, 
Joh69, Kah06, KS08, Kar82, Ker07, KGA+12, Kin91, Lau00, Lau01, Lee82, 
LSO17, Le08, Le181, Le185, LWS+16, Li083, LR14, LM13, LMN16, Lus94, 
MMDdJ11, McI04, MR05, Mor02, regular

[MZZ10, MM89, NT20, Nic03, PHXD19, PC02, PIR17, PLT14, PIT+03, 
PPlpdG20, RT18, Rob79, Rom14, Ryt89, Sak21, SCF+17, San15, SMS15, 
SGYMO00, Sha88, SY72, SM04, ST19, SSYW19, SLZ+20, SMT+86, TN13, 
TN15, Vou06, WXZY12, WL15b, WW03, Wat03, WR15, XJT04, Yam19, 
YKGS11, YH91, YH92, YB13, ZZH16, ZC99, ZYX+12, tC09, Tho68, Ano12].

Regular-Expression

BTC06, Han13a, YQW+16, ORT08, ORT09, SCF+17, WR15]. Regular-like

BTG83]. regulatory [MMDdJ11]. reifiable [dSOMY15]. Reinforcement

KK02]. Related [CHZ06, AS85, Gro91b, Sri93]. Relation

KN12, MR92, Pre99, LSV08]. relational

BGHZ15, HC87, KWLL08, MZZ10, DWE89]. Relations

KAN+17, BLSS03, BÖ13, MAI+16]. Relationship [XK92, GR92].
relaxation [SHCY93]. Reliable [KKSL01, CDC96].

Remark [Tho81, Pet95, TCC91]. Remarks [CR87]. Removal

KK95, MGF97]. Renyi [AW89]. repair [PHXD19, Huc21]. Repairing

[LWS+16]. repeated [LO94, Thi93]. repetitions [Cro86]. Repetitive

CDM11]. replacement [NAR08]. Replacing [DCM15]. replication

HFFA09]. Report [GS81b, HJW+92]. Reporting [MOG98]. representable

Dow93]. Representation [NR01]. Representations

KAN+17, YB13, ZC89, ZZH16]. Required [MW92b]. requirement

[HL13a, ZKCY07]. requires [Rob79]. rescuing [FSL+15]. Research

[CPW88, IEE95, KL02]. RESeED [SCF+17]. Residue [BM00]. Resilient

[ABH+16]. Resilient [KYG19]. resolution [OW93]. resource [FK96].
resource-bounded [FK96]. resourceful [BFP+08]. Resources

[Har10, LG16, MP90]. ResSeq [FSL+15]. Restore [CM18]. Restricted

[Kin92, OW16, Le81]. Results

FMMS20, Lec95, WCM+94b, FL13, WCM+94a]. Retargetable

[GFH82, BDB90, Gu08d, Faa83, GHF83a, GHF83b, WNL+83]. RETE

[Alb89, MK90]. Retrieval [BBH+87, DS19, FB92, GR96, LZ96, MK91, 
Mor83, Ze86, AI82, BSY00, LMNT16, PDM01, SD91, ZKA12]. Reusability

[PV91]. Reuse [HYL7, Rém17]. Review [Ano97a, Ano97b, Ano12, Hig95, 
Hun97a, Hun97b, Lab12, Neu10, Uma97, FL13]. revised [A+08]. revisited

[CCI+13, GL01, RUG97]. rewrite [KN00, Ram94]. Rewriting [AM95, 
CDL99, CDLV02, Dur94, GHW05, Lav91, ND02, GM02, KR95, PSK17].
Rewriting-Based [ND02]. REX [Cam99]. Rexx [LS06]. Rey [ACM69].
Richness [QPHW08]. Richness-preserving [QPHW08]. RICS [TJD+17].

S [BGFK15]. safe [HS08]. safer [Rémi]. safety [FF08]. Salomaa [AFI98]. salute [FvGGM90]. sam [Pik87, Pik90]. Samples [GZ94, ST96b, Tak94, Kin91]. Sampling [FMP20, GPR95a, Lut02, Vis91, WSW16, CGR93, Vis90, ZHWW12]. San [ACM92c, ACM92b, ACM93b, ACM95a, ACM95b, DTM78, IEE94b, KIP15, St092, USE92]. Sandeep [Hig95]. SAR [B'10]. SASL [LT90a]. Satellite [SS93a]. Saving [Bre93, Bre96, GS80]. Scaffold [LJZ13]. Scalable [ARS16, BAC12, BBH14, BTC06, HSL10, JLK+20, LQL+16, LT16, MT14, SRL+19, WVR11, YP13, ZLN11, AB09, BGFK15, KTP10, PIR17, TLLL09, VV11, WLL15]. Scale [LP13, LYYW08, TZYH14, WHZ+17]. Scaled [BEL04]. Scaling [HW12, MS01, YDDB15, ALV92, HLN09]. Scan [MIH17, Gre88]. scanner [Hur84, ISBY88]. Scanners [HCR92]. scanning [CWZ10, HFI+08]. SCCs [ZQ+15]. Scenes [BZ98, BSM+07]. scheduling [LMMN07, Mid98]. schema [IIK08, MNS07, dLFM07]. Schemas [BGNV10, MNS10, K507]. Scheme [Bur84, FK16, Man94, Man97, Bur82, KAD79, KRL87, LH13a]. Schemes [ACM89, ST96b, MHZ13]. School [Cro92a, Ako92a]. Science [ACM89, FJ92, Gars97, GLE89, IEE90, IEE92, IEE93, IEE95a, IEE97, IEE98, IEE09, Ker04, Wen78]. Scientific [WCM+94b, ORPF13, WCM+94a, WZS95]. Scopulux [ORPF13]. Sore [Ben94]. Scores [CLST+13]. Scoring [KK08, OSSK16]. Scotland [AFO+99]. Scotsdale [KLB12]. Scratchpad [JT94]. screening [QPH08]. Scrimshaw [Arm93]. Scripting [Fri97b, RB05, BFN+09, Blu08, FHDAS09, Han01, LS99]. scsh [Sar02]. Search [AC75, Ber00, BK93c, Cal00, EF13, FG98, GN19, GG97, KR94, Lut02, Man86, NR99a, NR01, Pol01, SED14, SJNS19, SB09, Sun90, WWW+16, YDDB15, Zha07, ZGS+15, AB09, BC13a, BC06, FG95, FG99,
star-free [tC09]. star-height-problem [Tho81]. starting [Mid98]. State [Bow87, BDM19, CZOdH17, CM58, Gol93, Han13b, JA17, KLH16, MY60, NRS18, Sut21, WD+14, Yun12, vNG01, Gaå04, HW07, Hur84, JXA20, MMS14, VHL+12, Yod91]. State-of-the-art [WD+14]. Statements [JP73]. States [DGBH93, LK06]. Static [Cha02b, HV93, JGZL12, WHZ+17, ALLS07, Aoe89, FhDAF09, GLS07, HS08, JJ91, LYWL08, MP09, PIR17]. Stationary [KS96, ST96a]. Statistical [BGJ01, GS93a, GWvG10]. statistics [Maa06, ZZJC20]. Std [IEE01a, IEE01d, IEE01c, IEE01b]. Steady [Sut21]. steadystate [Sut21]. Steady-State [Sut21]. stem [YHV+15]. step [BD98]. Stereovision [PDL98], Steven [Ano12]. Still [Gon02, LS06]. STOC [ACM08]. Stochastic [SBHM94, YPG21]. Stopper [RTT02b, RTT02a]. Storage [JLK+20, All82, CDC96, GS81a, SCF+17]. Strategic [Vis99]. Strategies [CJ93, MM02, HBRV10, MM03, MLM+08, PCS99, iA94]. Strategy [Bon07, EMC96, AEH94, LLL13]. stream [Nil90]. Streamed [DCM15]. Streaming [BG14, GKP19, PP09, BGFK15, GHR+16, MRA+17]. StreamQRE [MRA+17]. Streams [CJPS12, DLG12, Har02, CL09, CGM10, San15, SCGW14, TSI13]. strict [HJW+92]. Stride [VWR11, NyuR15]. stride- [NYuR15]. striding [ARS16]. String [AOK02, Abr87, AC75, Aku94, AR00, ACR01, ADR15, AYS84, iA94, AC01, BST+03, BYP92, BYN96, BY96, BYN97, BYN99, BCP02, BEL17, BH02, BH85, Ber00, BLP90, BL94, BM00, BGVW12, BM77, BG92, Bre93, BCT94, BG95, BCT98, BGG12, BG14, BK93e, BZ98, Bur84, CZOdH17, CF06, CFP19, CF88, CK02a, CL+10, CL92, Cha93b, CM94, CL94, CCH09, CL97, CLP98, CN02, CTF+98, CHL14, CH04, Chü5, CW84, Col94a, CHPZ95, CH97a, CH02, CP91, Cro92b, CCG+94, CCG+97, CIE98, CIM+02, Dav73, DW17, EMC96, FT95, FT98, FL12a, FL12b, FMP20, FR17, FG98, VF16, Fra20, FU98, Fret2, FT04, Fre06, Gal76b, Gal79, GS80, Gal81, GP90, GG91, GG92, Gal95, GPR95a, GHW05, GZ94, Gon02, GFG11, GV05]. String [GMMN12, HD80, HH93a, Hui92, HS91, HN02, HN05, IMP01, IK83, JH66, JLF14, JT96, Kha16, KST94, KKK11, KS11b, KS12b, KMM15, LSW08, LP13, Le 91, Lec95, LeC98, LeS94, LY66, LLL08, LLLC17, LD10, Liu86, Liu88, LCL06, LLW+15, LS94, Me95, Mey85, MM02, MIH17, Moh97, ML96a, ML96b, Mmn07, MR92, Mut97, Mye98, Nao91, NR98, NBY99b, NR15, NEL17, OM88, PAMP12, PLL08, PK95, PP94, Pet07, Phi94, Rao94, ROTT02a, ROTT02b, RPK02, RP81, RNOM09, Sad96, SV94, STK10, SD95, Shi92, Shi97, Sin94, Sli78, Sli93, Sli99b, Ste94, SJNS19, ST95, ST96b, ST04, Sut21, TS05, TUS3, TP97, TT82, TLC15, TVCM12, UW93, VMML15, Wri94, YP13, YDW18, ZS17, ZS13, ZGS+15, ZMWL20, de 82, van14, Ak95, ASM17, ACF05, ALP04, AAK+09, AEK+11]. String [Aoe89, AEMS14, AGW13, BFKL13, BY96, BY96, BY99, BS00, Bak78, Bar84, BR09, BBK+14, BLPL92, BFG09, BFP+08, BG90, BG91b, BCT93, Bre94b, Bre95, Bre96, BGM13, Bur82, BELO4, CADA18, CCF13, CL90, Cha93a, CDDM05, CW13, CW18a, CW18b, CN21, CR87, CH92, CGG90, CD96, CM07, CGR99, Dai09, DR06,
string [KST16, KPA10, LV86a, LV86b, LVN87, LV88, LV89, Lar99, Lec07, Liu51, LHCK04, LT97, LLI13, Mac90, MNU05, MBY91, ME97, Mha05, MM03, MM07, Miy03, MP95, Mus03, Mus05, Miy99, NHH+20, NBY99c, NR00, NK+01, Nav01a, NF04, NT05, NC06, NC92, PLL10, PA10, RUG97, Ryt80, RLP20, Sad93, STK06, Sal12, SW90, SSB+15, ST96a, STK+40, SG12, SR16, SPS99, SV87, Tak96b, TBS06, THG17, TPT13, Ukk92, Ukk93, VLP17, Vin77a, Vin77b, WDG+14, WL15a, WL15b]. String-Manipulating [VMML15]. String-Matching [BG14, CCG+94, GS80, Gal95, JL96, Kha16, Les94, LY86, Mol97, Mut97, Sli78, Sli83, CH04, Cro92b, BR09, CCF13, CW13, CR87, CGR99, DR06, Gal75, Gal76a, GS81a, Gal92, GPR95b, HY92, HR03, JL93, KST92, LHCK04, PLL10, TBS06, Ukk92, Ukk93, d93]. string-pattern [Kim99]. string-searching [Mha05, Ryt80]. string-similarity [BSY00]. String-to-Dictionary [KS11b, KS12b]. string-to-string [Mae90]. stringdist [van14]. Strings [Ale94, BSO97, BCFL12, Chu95, Col94b, FT98, Gaw13, GNU94, GL01, Gus97, HUN+19, Htu21, ISNH94, KRS95, KRS97, KAN+17, KMP77, LLI13, Lu+02, SW90, Ver92, YQW+16, Zha17, AD703, AD306, BLSS03, BFK+03, BC95, CD89, CR91, DGG+19, EH88, ETV88, FT95, GO12, JRV96, KGA+12, KMP94, KR97, LMM17, LS10, Mcf04, Mci15, NR02]. Strong [BMMR19, GGM12, LS06, MCF+14, WD99, AW89]. Strongly [Dur94]. Structural [BGJ01, KWLL08, Shi00, Shi04, BFS00]. Structure [CGR02, Gia93, Les95, Pol13, Sli78, TMV+01, AP90, CGR03, CD96, FG99, FLSS93a, FLSS93b, KWLO7, MP05]. Structured [BLLW12, CMNP17, KMH94, KS99, BGH15, Fla88, TMK+02]. Structures [Cha01, Cha02a, FBY92, GHLW15, GG97, Gor00, GKW+10, LSW08, Lar99, Lec98, Les79, APTS13, ABH+14, BA15, GMD02, HN90, HHT+21]. stuck [AEK+11]. Students [DKA+15]. Studien [SM74]. Studies [JM85, SM56, SM74, SSB+15]. Study [CSY03, FT95, JM85, MM02, MSZ17, OP16, PV91, Sca11, BG91a, Fen01b, PSK08, SKS96]. Studying [MGH93]. Sturmian [BR09]. Style [Cop91, WW03]. subexpressions [Fat15]. Subgraph [QZC17, XL+19, EASK14, KSH+15, LQL+16, SWW+12]. Subgraphs [MS+19, PSP+18]. subject [ETV88, Sch81]. Sublinear [CL94, FG98, CL90, CWZ10, CGR99, FG95, WZ96]. Sublist [Jaw92]. Submatch [HMM+13, BT21, Lan01]. Suboptimal [Cha94, LS94]. Subquadratic [WM95]. subscribe [ZCT14]. Subsequence [BG19, ETW21, HIR17, ZKA12]. Subsequences [IF94]. Subset [CH03, Kim92, Pag78, AB09, CH97b, HW90]. Substitution
For substitutions [LVN87, Pie08]. **Substring** [AKT20, ACR20, CIL03, Har71, Joh94a, KO83, KRS19a, KRS19b, Sun90, BGK+16, BSTU08, ETV21, Gra15, HKN14, HTX17, IKX15, JKN00, Maa06, MAI+16, Sto02, Yam19]. **substring-preprocessing** [Sto02]. **Substrings** [ATX21, Cob94, Fra20, Boo80, FGKU15, GHST17, LO94]. **Substring** [AKT20, ACR20, CIL03, Har71, Joh94a, KO83, KRS19a, KRS19b, Sun90, BGK+16, BSTU08, ETV21, Gra15, HKN14, HTX17, IKX15, JKN00, Maa06, MAI+16, Sto02, Yam19]. **Subtype** [WZJH12]. **subtypes** [JM93]. **Succinctness** [Gel10, GN12]. **Sufficient** [KT90, MR09a]. **Suffix** [AOK02, ABM08, FL12a, GV05, GLS92, Kid09, LSW08, NR98, Neu10, OR12, Shi00, Shi04, UW93, ACFC+16, BH96, DK13, FCFM00, GV00, HHLS06, Kos94, NR00, TTHP05, Ukk93]. **suffixes** [BGK+16]. **Suitable** [CCL87]. **Summary** [GH15]. **Sums** [BM00]. **Sup** [MP09]. **Sup-interpretations** [MP09]. **Super** [Fre02, KM95b, Fre03]. **Super-Alphabets** [Fre02, Fre03]. **Super-Pattern** [KM95b]. **Supercomputers** [RND97]. **Supercomputing** [IEE88]. **superimposed** [Ind97]. **Superiority** [Zha07]. **superoptimizers** [BA06]. **superprimitivity** [Bre94b]. **Supersequences** [IF94]. **Superstrings** [Ale94, TY97, Che96, Mid98, TU88]. **supplement** [Ruc15]. **Support** [GSL17, CL09, GZ10a, KAT07, Rob92, ZBST14]. **supporting** [CMW87]. **supports** [Nil90, WR15]. **surface** [TCCK90]. **Survey** [AKT20, Brz62, Kni89, LH13b]. **Surveyor** [Fra83, GHH83a, GHH83b, WNL+83]. **Surviving** [Cox19]. **SVR4** [Rob99]. **Swap** [AEP06]. **Swaps** [ALLL98a, AAL+97a, ALLL98b, Mei15]. **SWAR** [CL09]. **Symbolic** [ACM94b, Bro93, Cha86, GVD15, Har79, Lev95, Ng79, VHL+12, WN90, Fat15, Nic03, NA90, Ng79, NEH90]. **Symmetric** [Gil70, SS93a]. **Symmetries** [Hig86]. **symmetry** [Mar89]. **Symposium** [ACM69, ACM74, ACM76, ACM81, ACM83, ACM84, ACM86, ACM87, ACM90a, ACM90b, ACM91, ACM92a, ACM92b, ACM92d, ACM93a, ACM93b, ACM94a, ACM94b, ACM94c, ACM94d, ACM95a, ACM95b, ACM95c, ACM97b, ACM97c, ACM98, ACM99a, ACM99b, ACM00, ACM06, ACM07, ACM08, AP10, AH97, AT02, Bro93, Cha86, DGBH93, FC98, FL08, FJ92, GM11, HM96, HF13, Hwa85, IEE89, IEE90, IEE92, IEE93, IEE95a, IEE97, IEE98, IEE09, KS12a, KU09, Len93, Lev95, LV06, MZ07, Ng79, WN90, Win78, AL01, Apo92, Apo93, ACP05, BYCC03, CG94b, GU95, GS00, KLB12, Len11, PC99, SMD04]. **Symnsac** [Cha86]. **synchronization** [JM90]. **Synchronized** [PIT+03]. **Synonyms** [LLW+15]. **Syntactic** [KKSL01, TB00, Wol86]. **Syntax** [BLS+94, XLC19, AG06, Chl08, Pic98, ZGE85, Zei08]. **Synthesis** [BDG+14, CDL+15, BK86, Lei81, SW12, WKR09, ZJL14]. **synthesized** [Kod79]. **Synthesizing** [LSO17, SDA17]. **System** [BM00, CFS+89, DMWW77, Har79, IEE89, IEE97, IEE98, IEE09, KS12a, KU09, Len93, Lev95, LV06, MZ07, Ng79, WN90, Win78, AL01, Apo92, Apo93, ACP05, BYCC03, CG94b, GU95, GS00, KLB12, Len11, PC99, SMD04]. **Systems** [KK95, NAR08].
[ACM83, ACM90a, ACM92b, ACM94c, ACM95b, ACM97a, ACM98, ACM99a, ACM06, ACM07, Ano68, Dur94, FYJ+17, GHW05, HF13, IST05, JM85, KKK11, Kor83, LY17, LLS+20, LZ96, Lut02, MUHT96, Mor83, PSP+18, Sar02, WHZ+17, CDC96, CFM00, DL03, Fat15, JO97, KKM+85, KN00, KKP92, KEG+08, KLB12, KR95, LLC03, Len11, Lus94, SD91, WSS94]. SystemT [KLR+08].

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