FWW13a, FGKU15, GG86, GU16, GN19, GGF13, Gra15, GL89, HT17, JL93, JL96, KRS19a, KRS19b, KVX12, LV88, NYuR15, NR17, QQC+13, WD99.

L1 [LP08, LP11]. L2 [LP11]. L∞ [LP11]. Lp [WC14]. µ [DJ96]. N [ML96a, ML96b, KST94, KWL07, KWLL08, Wag74]. O(mod T) mod 3 [KKM+85]. O(log log n) [BG90]. O(n log m) [CNS18]. O(n log n) [GF08]. O(n log³(n)) [BG90]. O((n² log m) [CH97b]. O(n log n) [Gef03]. O(s²) [CZ01]. ω [BdFED+20]. ω T [BdFED+20]. q [HK14, KPA10, STK06, Sal12, ST95, ST96b, ST04, Ukk92]. r [Pol13]. ρ [CFK07].


.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].

'90 [ACM90a, WN90]. 90k [Gro91a]. '92 [ACM92b]. '93

[ABB93, Bao93, SC93]. '94 [ACM94a, ACM94c, BGG+94, SW94]. '95

[ACM95a, ACM95b, IEE95b, Lev95, SC95]. '96 [SC96]. '97 [ACM97a]. 978


[FC98, FJ92].


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, GÁSÁ+13, LLCC13, TT82].

Acceleration [SALP20]. Accelerator

[JLK+20, KYG19, TLC15, ZL18, TLLL09]. Accelerators

[HKL+14, MGW14]. acceptors [ITT83]. Access

[Fal85, MR11, JSH09, KT14, KCK93, KFG15]. accesses [DSv94]. accessible

[SBR+07]. According [PV91]. account [KSVJ15]. Accurate

[ZS17, STK20]. achieve [AK08]. Acid [CCL87, LVN87]. ACM

[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 [BWN08].

active [BDMT16]. activity [BWG12]. ActorSpace [AC93]. Ada

[Wes97, Wes97]. Ada/Tcl [Wes97]. Adapted [RJK79]. Adapting

[DS04, LRV13]. Adaptive

[CW84, JP73, NdMM02b, SRR92, SRR95, SW09, HRN+15]. Adding [Sha88].

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

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

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

Advisor [Mu 95, MuT95, Mun95]. Affiliate [DN77, VS01]. afind [GN01].

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

aggressive [Dai09]. Agrep [MW92b, GN01, WM92b]. Ahead
[Yan95, ZBST14]. **Aho** [CW13, NK07, PLLM21, TM05b, TZH+13, TVCM12]. **Aid** [AC75].**Alberclo** [Ano97b]. **Albuquerque** [ACM92a]. **Algebra** [Kn12, LRSV18, SS93a, BFS00, Coo86, Fat15, KMMNP85]. **Algebraic** [ACM94b, Bro93, Cha86, Hea71, Lev95, Ng79, WN90, BD98, Fat15, Mcl85, OR11]. **Algebras** [CM95]. **Algol** [Bro77, HK77]. **Algol-based** [Bro77]. **Algorithm** [AR00, ATX21, AJS92, ADLM96, 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, Kull10, KV15, KZ02, LY+71, LCC13, LJH+17, LLC17, LJZZ13, LCL06, MW94, MR11, MUHT96, ML96a, ML96b, Mye92, Mye98, NBY01, OR12, PS10, PK93, PK85, RKM21, RPE81, Sad96, SkI98, SW09, Sun90, Tak86, VB12, VB98, WPKL13, Wat96, WMM95, Yam01, Alb89, AGW13, BGJ89, BG90, Bre96, BC95, Cha93a, CLS95, CW13, CDC96, CNPS15, CNS18, CR91, Dai09, DR06, DS04, Der95, Dow91, Gal92, GBY90, GLS92, Han93, HFS05, HR03, I alter15, IP96, IF86, ISY88, KKM+85, KR99, KST92, Kim99, KKR+13, KHI15, LV86b, LVN87]. **algorithm** [Lee82, Liu81, LHCK04, Maa06, MBY91, Mis03, MS95, Mor90, Mye99, NRO12, Neb06, PLL10, PS90, Per94, Ryt80, SW90, SS94, SGYM00, Sto02, Tak96b, Tak93, TZYH14, TJD+17, TM05b, TU88, Tho68, TJC20, WW03, Wat03, Yam19, YT03, YHV+15, ZC99, dB93]. **algorithme** [Alb89]. **Algorithmic** [ABBH+16]. **Algorithms** [ACM97b, AhU74, ALR08, IA94, ADM96, BY96, BLP94, Bak96, BS97, BH02, BJM79, BCFL12, CF99, CL92, CL97, CHL14, Chu95, CHZ06, CLR90, CR92, CCG+94, DB86, FL12b, FMMS20, FRU+20, FBY92, Gal76b, GG97, GS85, GIG77, GK86, Gus97, HUN+19, Hig86, HSTS01, ISN94, JTH+96, KPP16, KUT87, KR81a, KR81b, KR87, KP99c, Kha16, KMT+01, Lab12, Lec95, LLLC17, LT16, LS94, Lut02, MR11, MP05, Mut97, Ott94, Par96, Pol13, RS98, SV94, SN92, Sed90, Sed90, Sed90, Sed90, Sed90, Sim94, Ste94, Tar81a, VG01, YD95, ZZ12, de 82, ALP04, AG97, ADM01, ARS16, BYF96, Bak93, Bar84, CMO+08, CDDM05, CX20, CLT07, CWZ10, CCG+93, CT96, CR94, CL96, DC94, DV21, ECSS88, Gal75, Gal76a, Gal84, GG13, HOK18a, HOK18b, HTX17, Ind98, Ju91, KN00, KM13]. **algorithms** [Lee07, MAC14, MW92b, Mha05, MM07, MR13, NR20, Par98, PDC94, QLY07, Sal12, Sch91, SZ05, Tan14, THG17, Val90, VHL+12, WZ96, A+08, Len93, Ano97b]. **Aligned** [LSTW+17, SN94]. **Alignment** [BLP94, Ben94, BDFW94, HPM94, JWZ94, KK08, LPT12, LPR+08, Pol13, RN97, CLT07, FSL+15, NT20]. **Alignments** [Cha94]. **All-against-all** [LA12, BSTU08]. **Allocation** [VSM87, YD95]. **Allowing** [FNU02, CCF13, WM92a]. **Allows** [Man94, Man97]. **Almost** [CGPS13b, GR99, LMM17]. **Almost-linear** [CGPS13b]. **Almost-optimal** [GR99]. **Alphabet** [AFM94, AF94a, CR95b, KR94, KRR+17, KMYR20, SNS19, TP97, AF98, AGM05, GP92]. **Alphabet-Friendly** [SNS19]. **Alphabet-Independent** [CR95b, KR94, GP92]. **Alphabet-Invariant** [KMYR20]. **Alphabets**
Alternating [BL16], Alternative [Bar81, JWZ94, AP90, Fat15], Alto [IEE93, IEE98], always [LMM17, LLS+20], Amar [Neu10], AMASS [KS99], Ambiguity [MGGH93, SL17], ambiguous [NdMM02a], American [NEH90], amino [LVN87], Analyses [WHZ+17], Analysing [HH93a, HH93b], Analysis [AHU74, AJS92, BBH+87, FO76, KT14, MAC14, MP09, MLM+08, NA90, ORPF13, PIR17, SW93, TPT13], analyst [ZV97], analytical [Bar84], analyze [CFM00], analyzer [ZGE85], Analyzing [HSTS01, MNNS12], Ancestry [FK16], Ancient [SP16], ands [Edw07], animate [BYF96], Annotated [Sak21, GGN06, RH81], annotating [AMRV16], annotation [YCJ908], Antidictionaries [STSA99], Antisymmetric [Gil70], Antonio [IEE94b], Ants [FR17, Joh01], any [PW93], Apostolico [Ano97b], Application [GPP04, GT90, Hadi89, IK83, MKF91, MGW14, NA90, WKA94, Akl78, CFK07, Fat15, GÁSÁ+13, Laut00, Man76, MW94, MM03, PA10, SHS14, TIAY90, WKR09, dLFM07], application-database [SHS14], application-specific [WK90], Applications [Bak96, BM00, Brz62, CL94, DMVT13, FK16, Gia93, GV05, HSTS01, Hui92, HN05, IEE94b, IE95b, IJK08, MKH12, NR03, Pol13, Sch95, AS04, Bak93, B+97, Che96, CX20, FMdB99, FG99, FLSS93a, FLSS93b, GV00, Ind97, KKP92, RTO15, SR16, SWZ01, SALP20, VHL+12, WYA+07], Applied [DGBH93, PDL98, DGBH93], Applying [AK08, SdM01], Approach [ABF94a, CFM17, CCH09, Cox09, DC94, FKR15, FL12b, GN19, IMR08, KTS99, KS99, LP13, LN19, Lat02, NR98, NR99b, RM88, Sha93, Tar81b, AP13, B+05, BYG92, BSTM08, BG91a, BCD14, FMdB99, GPR95b, G92, Goo05, HLN09, KL15, LBK08, MF96, Mus03, dSOMY15, PP95, PSK17, SSV97, SD91, Srt93], Approaches [BM08, vNG01, FBMA05, MR13]. Approximate [Aku94, Aku95, AAK+09, AEk+11, ACD01, BYP92, BY96, BY97, BY98, BY99, BCP02, BH02, BPPR20, BM00, BK93e, Bun95, CJM12, CLS+10, CL90, CL92, CM94, CL94, CCH09, CN02, CH02, CIM+02, EMC96, FNU02, Fret06, Fu96, GP90, GIMV03, GGF13, HD80, HLS07, HT17, HM00, HLS06, HQ02, HQ95, IMP01, JTU96, KGY919, KM92, KM95a, KST16, LS08, LH03, LP11, LLW+15, MW92a, MW92b, MC95, MM02, MIH17, MM98, Mye98, MOG98, Nav98, NBY99a, NBY99b, NBY01, Nav04a,
NRS18, OM88, PMD01, Par96, PW95, Phi94, PP09, RNOM09, Sad96, STK10, ST95, ST96b, ST04, TT20, Tak94, TU93, Ukk92, Ukk93, UW93, VRD01, Wri94, WM92b, WMM95, ZMAB03, van14, AGW13, BYP96, BLPL92, BFG09, CRV06, DLF+15, DC94, FCLST07, FN04. approximate [HOK18a, HOK18b, HLS+11, HTX17, HFN05, Hyy08, JU91, KST92, KWL07, KNT11, LV86b, LV89, LG16, LT97, LLL13, MW94, MM03, MM07, MBH20, Mus05, Mye99, Nak14, NBY99c, Nav00, NKT+01, Nav01a, NF04, NC06, Par98, Sad93, SW90, TLS16, WC14, ZA17, ZD95]. Approximately [PW93]. Approximation [ADLM96, ADLM01, BLP94, CM08, Huc21, LJZZ13, KR89, KWL07, TU88]. April [ACM74, ACM84, ACM90a, AGS93c, Apo92, DMVT13, SC93, SC96, SC98, SC02]. Arabic [JZAA19, Kul11, Mus03, Mus05, ZA87]. arbiters [SMT+86]. Arbitrary [Nav04a, WMGS19, YH92]. arc [GGN06]. arc-annotated [GGN06]. Architectural [CL09, GSL17, IS90]. Architecture [BYHT18, BTC06, CG87, CF85, HKL+14, KL02, LHCH93, Lee09, PLL08, SRV+19, TS05, YP12, FKS06, KRL87, MM07, ZV97]. Architectures [OWP16, TVCM12]. Arden [LHCH93]. area [SV87]. Ariel [Han92]. Arithmetic [Hwa85, MHKR12, MP88]. Arizona [Ap092, ACM97a]. arm [NHN+20]. Array [CPW88, GKH+91, LR09, WBA83, DK13, LK88, ME97, MM07]. Arrays [AOK02, ABM08, GV05, Neu10, Bak78, CR91, DSv94, GV00, HLS06]. Arrhythmia [ARM+19]. arrivals [SWZ01]. Art [DGBH93, Knu05, Ruc15, WDG+14]. Artificial [IEE94b, ZGY+16]. ASCII [Pol01]. Asia [IEE94a]. Asia-Pacific [IEE94a]. Asilomar [CG94b]. Aspects [FJ92]. Assembly [KS99, MW92b, Sno01, FL71]. assertional [PS90]. assertions [Jay92]. assessment [HBRV10]. assignments [LSO17, Mor02]. assist [KKM+06]. Associated [CLST+13]. Association [DT87]. Associative [Eke95, YIAS89]. Associative-Commutative [Eke95]. Assuring [YDW18]. Astrid [STKD20]. Astronautics [WKA94]. Asymmetric [QWX+13, CGPS13a]. asymptotic [KC11]. Asynchronous [KFG15]. Athens [Len11]. Atlanta [ACM83, ACM99b, IEE09]. Atlas [TMV+01]. Atoms [Les79]. Attacks [ABBB+16]. attribute [Har02]. Attributed [CTF+98, Gro92]. attribution [Far92]. Audio [DCM15]. Audit [KNMH00]. Augmented [SA96]. August [ABB93, BGNP94, B+02, IEE95b, WN90]. authenticated [PPTT15]. Authorizing [WYA+07]. autocompletion [XQW+13]. Automata [Ant95, Cha02a, CLOZ04, DKA+15, DMVT13, DM11, FL12a, Ghi62, Gol93, GH13, GH15, HIRS17, HU79, HU92, HUM01, HUM07, HSW97, HSW01, KPR97, KPR00, KV15, LT16, Loh10, MS98, MHKR12, MHT09, MY06, Mel95, MSZ17, Moh97, MR09b, NR98, NWE97, Ned98, Pet92, RS59, RSG+19, SRV+19, SM56, SM74, She59, SSSS10, Sim94, UW93, BdFED+20, BDFR08, BS86, BT21, BH96, BK93d, Cho78, CR87, GOMSJVGP08, Gef03, HW07, HM00, HR00, Kie56, Lau00, LOS17, Lei81, NR00, NWE99, NdMM02a, NK07,

Automat [BA06, BDD+14, DKA+15, DMWW77, KP93, PHXD19, RTO15, SWY75, SMS15, WKR09, Ear74, MR09a, PS93a]. Automatically [CGP+08, Kuk92, Mor02, SdM01]. Automating [Kah06]. Automaton [CZOdlH17, CZ01, GJ16, LY86, Prü17, Ant96, BYG96, COZ09, Hurr84, Lei80, TLLL07, TLLL09, ZCH99]. automaton-matching [TLLL09]. Auxiliary [CZW15]. availability [LLL12]. Average [BLP18, BMMR19, FN04, HKN14, Mon17, NF04, Sal12, SCFC94, GFG11, Quo92]. Average-Case [BLP18, HKN14, SCFC94, Quo92]. Average-optimal [FN04]. Avoiding [AGM19, Fos89, Thi93]. aware [WOQ+07]. awk [Dou91, Mis89]. AWK-like [Mis89]. Axiom [Ano68, JT94]. axiomatization [HN11].

combinator [Sta89]. Combinatorial
[Ano17, BM08, Cro92a, GIMV03, Mei08, SLTB+06, Val09, WCM+94a, WCM+94b, CDDM05, HLN09, PPPdG20, AL01, AP10, Ano92b, Apo92, Apo93, AH97, 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 [LGZ14]. Commutative [Eke95, HY92]. Compact [Asp12, HAR10, NR01, Ric79, YP12, ZHZ16, BFC08, DGM19].

CompactDFA [BBHK14]. Comparative [JM85, MSZ17, PSZ08]. Comparator [Bur84, Bur82]. Comparing [Hoc19, Hua94]. Comparison [BCT98, JTU96, 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 [AJ98, GH92, 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, CHPZ95, CH97a, EZ74, EZ76, FMMS20, GG91, GG92, GK86, GH15, Hei01, HK11, HU92, HST90, KLM10, MNS10, Mor83, NRS18, Prü17, RS98, Akl78, Alb89, AK12, BDM19, CGK08, CH92, CGG90, FCFM00, FK96, Ham79, 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, KITSA99, Kid09, KS05, KS06, LSW08, Loh10, Man94, Man97, MHT09, MMH+01, NR99b, Nav01c, Ra93, RNM00, STSA99, TMK+02, YK11, ZMSD93, ABF94b, BCD98, BFG99, BBK12, CP97, FT95, GR99, GO12, HHL96, KTS+98, KMS+03, NK+01, NT05, SNZB00, 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, SC93, 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 [Gus97, Lab12, Han11, Val09, Via04]. Computationally [HT14].

Computations [FKP77, CR91, NEH90, Pra97, PCS99]. Compute [MR11, MS95]. Computer [ACM89, AHU74, Bao93, Cop91, FJ92, Gus97, Hea71, Hwa85, CVP86, IEE90, IEE92, IEE93, IEE95a, IEE95b, IEE97, IEE98, IEE99, KL02, Kru05, K"ul10, RJK79, Ruc15, SS93a, Coo86, Fat15, I09, Ker04, SS94, VVV04, Win78, iA94, KP15].

Computer-Recognized [RJK79]. Computing [ACM69, ACM74, ACM76, ACM81, ACM84, ACM86, ACM90b, ACM91, ACM92d, ACM93b, ACM94d, ACM95c, ACM97c, ACM99b, ACM00, ACM08, BGK⁺16, CZod1H17, CFM17, CZ01, Cha94, DT87, DGBH93, FYJ⁺17, Fra20, HM98, HM87, ISNH94, LK90, Rot91, RW10, Wol90, BGNP94, BC95, IP96, LK88, ZYQ⁺15].

Concatenation [CGS17]. Concave [KM92, KM95a]. Conception [Hud89]. Concepts [BGJ01]. concise [BNSV10, NdMM02a, Yod91]. concrete [JD89].

Concur [SBF80]. Concurrent [GR92, Pel87, SBF80, BFN⁺09, JM90, YT03]. condition [Han92, KT90]. Conditional [DJ96]. conditionals [Edw07].

Conduct [NCKL14]. Conference [ACM89, ACM92c, ABB93, AGS93c, Ano87, AAC⁺01, AOV⁺99, Bao93, B⁺02, Bum94, DMVT13, FMA02, CVP86, IEE94a, IEE94b, IEE95b, KP15, MG94, SW94, Sto92, SC93, SC95, SC96, SC98, SC99, SC01, SC02, SC03, SC04, SC05, SM09, SM10, SM11, USE92, DT87, HF13, ACM69, ACM74, ACM76, ACM81, ACM92a, ACM93a, ACM94a, ACM95a, AGS93a, AGS93b].

Conferencing [Sch95]. Configurable [ACF05]. Configuration [Sch95].


constraints [KC11]. Constrained [CS11, CLT07, NT20, XJT⁺04, Z JL14]. Constraint [Coh90, CFK07, Sni91].

Constraints [BGM19, GRS99, ZGS⁺15, CDL08, ETV21, HW09, KS11a, ZXL⁺13]. Construct [DKA⁺15]. constructability [Kar82]. Constructing [IY02a, IY02b, Lei80, JRV96, TU88, TTHP05]. Construction [BP63, BH96, DPK11, FCFM00, Koo94, Mei08].

Constructions [Ant95, MSZ17, Ant96, Cke96]. constructive [Tak96a]. contact [KD15]. Containing [HJ99, CFM00, FSL⁺15]. Containment [FLS98, CDL08, HN11, SH85]. content [LMT16, MLC08, TLll09].

content-based [MLC08]. Context [CK02a, Haz01, Hua94, Kea91a, SBHM94, SA96, KGA⁺12, Mye95].
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].

Database [ACM83, ACM90a, ACM92b, ACM94c, ACM95b, ACM97a, ACM98, ACM99a, ACM06, ACM07, CCL87, HF13, HAI02, VB98, GPTV93, HIK08, KLB12, Len11, OKT92, SHS14, SR16, ZCO09, KKP92].

Databases [AAB+17, AOVI99, CCHO99, GNV94, Pou93, CN21, FLC+19, WZ95, ZCT14, ZCOZ12].

Dataflow [PK85, Ray96].

Datalog [dLFM07].

Datatypes [JR15a].

Dates [SM99, HN00].

dbC [GS93b].

DC [ACM84].

DCC [SC98, SC04, SC05, SC93, SC95, SC96, SC99, SC01, SC02, SC03, SM09, SM11].

DDC [SM10].

De-Compositional [LN19].

Dead [Cox10c, MD10].

Death [CGP+08].

December [A08, IEE94a].

decentralized [SMT+86].

Decidability [Asp12, Kar82, San15].

Deciding [CDLM17, Ga`a04, MPdS12].

decipherability [AG84].

Decision [MNS10, RS59, HW09, TN13, TN15].

Declarations [MGH93].

Declarative [ADR15, FKRV16, Spi99a, Spi99b, KLR+08].

Decoding [Sto96].

Decomposition [KVX12, PS93b].

 deducted [Bun94, HR03].

Deep [CMS08, LLLL08, LLC17, VWR11, YP13, ARS16, BAC12, NYuR15, STKD20, SYYW19].

 definability [CDLM17].

Definable [BLSS03, Cho78].

Defined [KMY20, PSDK17].

definition [Yod91].

definitional [CKC07].

Definitions [IEE01a].

deforization [BCWG09].

Degenerate [DW17, IMR08, LHH+17, BPPR20, DGG+19].

Degenerates [GP18].

degree [HY90, LSV08, YH91].

degrees [YH92].

deI [ACM69].

Delay [ABM20].

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demand [FWDL15].

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Dependent [Hua94, CDP16, CA20].

Dependently [Xj03, Tej20].

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Described [KPR97, KPR00, SA96].

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Detection [ARM+19, BYHT18, CZCD09, GW+10, KKK11, KNMH00, Lee91, LY17, Le17, PAMP12, SL13, TOS19, WWW+16, ZL18, ZLN11, ACF05, BKLE18, BAC12, BCD14, DNR06, FNP09, GZ10a, Joh94a, KOI94, KAT101, LHCK04, LGZ+14, OK94, QLY07, SA77, TBS06, VD17, Hig95].

Determining
Document [ABMN20, BK93a, BKW92c, DS19, FKRV15, FRU+20, KNS12, LMNT16, All82, Arn93, BK93b, BK93c, KRML09, WZS95, WCW82].

Domain [CF85, GÁSÁ+13, PIR17, SKS96]. Donald [Neu10, Ruc15]. Done [LY86]. Don’t [Aku94, BL94, Aku95, CEPR10, KR97, MBY91, NR17].

doubling [CL09], down [GOMSJVP08], DPI [ABBH+16], DREAM [HRN+15], DReX [ADR15], Drive [KK02, BC06], driven [GOMSJVGP08].

DPI [ABBH+16]. DReX [ADR15]. Drive [KK02, BC06]. driven [GOMSJVGP08].

Drosophila [YCJK08].

Drum [SP16].

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Dublin [ABB93].

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edition [Ano12]. Editor [Pik87, Pik00, Ritxx, Ano17].

Editorial [AGS93a, AGS93b].

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[MR09a]. Enriched [MSS+19]. enrichment [LGZ+14]. ensembles [Alb89].
entails [Kar82]. entire [YCJK08]. entity [BDMT16, DLF+15]. entropy
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Enumerating [McI04, PSP+18]. Enumeration
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[CZ01, COZ09, NC92]. Equational
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[HOS85b, Ver70a, ZGS+15, HOS85a, KGA+12, Sta89, Ver70b].
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[OSM94a, OSM94b]. European [Len93]. EUROSAM [Ng79]. EUUG
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[CvW18, SGCW14, CK08, LG16]. event-processing [CK08]. Events
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[CS18, Hud89, MS20]. evolvable [LLC03]. Exact
[AOK02, BCT94, CL97, CHL14, CHPZ95, CH97a, FL12a, FNU02, GG91, GG92, KN13, MIH17,
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[For02, CFK07]. Exploiting
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[Yam19, YJKS11, YB13, ZZH16, Zia96, ZYX+12, dLFM07].
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[ARM+19, AM91, Ano68, Ano12, Anoxx, Ant95, Bac94, BDD+14, BR20, BF97, Ber00, Bra94, BC94, BMMR19, BK93a, BKW92c, Brz62, BP63, Brz64b, Brz64a, Brz65, CDLV99, CDLV02, Cam99, CSY03, Cha01, Cha02a, CLOZ04, CJM12, CDJM15, CGR02, CHK92, CC97, CGS17, CDL95, CDL99, Dav03, Dav04, Dav21, DM11, FL598, FS82, Fri02, GGG12, GN12, Ghi62, Gif70, Gif67, GH13, GH15, HHH+13, Hab94, HM98, Han88, HWW06, Han13b, Hj99, Hir96, HK11, HSW97, HSW01, Hum99, IY02a, IY02b, KT06, KT87, Kea91a, KP99b, KP99c, Kin92, KMYR20, KV15, KZ02, KST12, LS99, LS06, LHZ98, LM01b, LT09, Loh10, Mad01, MNS10, MY60, MSZ17, MR09b, MPdS12, MGFO7, NM10, Org03, OF61, Pak91, PM78, Pat71, Pet02].
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[Pre99, Ray96, Rez92, SA96, Sch99, SSSS10, Sou99, TV14, TB00, Uma97, VHC88, Wen93, WZU14, XK92, XLC19, Yam01, YPG21, ZGS+15, ZMWL20, AFI98, Ano97a, AGM05, AM95, Ant96, AOMC07, ACM02, BCG07, BYG96, BRL13, BdfED+20, BTG83, BG91a, BDFR08, BS86, BNSV10, BK86, Bra95, BK93d, BK93b, BK93c, CGR03, CP97, CX20, Cho78, CK02b, CK08, CGPS13a, CDLM17, DL03, EZ74, EZ76, FL71, FH10, FS19, Fri97a, Fri06a, GLRA11, GR92, Gcf03, Gd10, GL03, GL12, GS07, GMS12, GM17, GH09, Gue90, HW07, HY90, HWJ03, HSJ04, Hoc19, Hov12, HN00, Jan85, JSH09, Jol69, Kahl06, Kap69, KGA+12, Kin91, Lar98, Lau00, Lau01, LSO17, Lei81, Lei85, LWS+16, LTV15, LR14, LM12, LM13, LMN16, Lus94, Mag81, MMDjD11].
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[KR92, TU88, Huc21]. Grep [VCS+12, Hol84, Nav01b]. Groovy [JNS08].
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[Jo69]. guarantees [FWW12]. guards [GJS20, JM90, KSVJ15]. Guessing
[Pak91]. Guide [GS93a]. guided [FhDAF09, Nav01a]. Guidelines
[Anoxx, Dav99]. Guid [B+07].

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[HOK18a, AD11, GF08, HOK18b, Ris16, TT20]. HAMPI [KGA+12].
Handwritten [CLP95, SKS96]. hard [LMM17]. Hardware
[Bur84, HH83, HKL+14, Lee09, Lut02, MGW14, PK85, Rob92, ZS17,
AK08, ACF05, Bur82, FNP09, GZ10a, Huy84, KKM+06, MP88, MLC08].
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Hardware-Based [HH83]. harmonic [BCW09]. Hash
[CCH09, Dav73, RJK79, Sch91]. Hashing
[Bur84, CKW09, CG79a, CG79b, GIG77, Gri79, Har71, LLLC17, TK07,
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[HJW+92, Jon07, VLP17, Wen93]. Hausdorff [Rot91]. Head
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[CIL+03, Han13b, KR92]. Hierarchical
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[Wea94, ASJ18, HC87, SW12]. High-Performance
[JL+20, Lee09, YP12, CGM10, SNS+19]. High-Speed
[BYHT18, LK90, VCS+12, LK88, PLT14, TLL07, XMLC11].
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[BTC06, LPT12]. Higher
[HW12, JR15b, KU99, SDM01, Ch108, NRO12, OR11, Pie08, Zei08].
Higher-Dimensional [KU99]. Higher-Order
[HW12, JR15b, SDM01, Ch108, NRO12, OR11, Pie08, Zei08]. Highly
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highly-threaded [MAC14]. History [LG16, Ritxx]. HMM [SB09]. Holism
[MMZ10]. Holistic [BKS02]. Homology [Zha07]. Hong [B+02]. Honnef
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[DS04, FT04, KS01]. human [KSWC93]. Hy [Lia84]. Hy-phen-a-tion
[Lia84]. Hybrid
[CLP95, LHZ98, LLC17, SF01, SW09, VB12, Grl85, LLL13]. HydroJ
[LLC03]. hyogen [SM04]. Hypercube [Les94]. Hypermedia [LZ96].
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I/O [PSK08, ZYQ+15]. IBM [HKL+14, Wei84]. ICL [CPW88]. Icon [Gri83, Gri85, Wal89]. Iconic [GL86]. ID [BCD98]. Ideas [Bee81, Wol90]. Identification [Cob94, LZ18]. Identifying [FLSS93a, FLSS93b]. Identities [Md85]. idf [TP07a, TP07b]. Idiom [KKM+13, KKM+06]. IDPM [LJH+17]. IEEE [Bae93, CVP86, IEE09]. ifs [Edw07]. II [AU73, OSM94a, OSM94b]. Illinois [Hwa85, Hwa85]. illustrating [HWF90]. Image [DS19, How97, LV94, SN92, VB98, ASG99, AGS96, ZC89]. Images [GR96, KPR97, KPR00, How96, KS05, YCJ90]. Imaging [AGS93a, AGS93b]. immersion [HFI+08]. impact [MBH20, NEH90, NCV10]. Implement [Cha01, Cha02a]. Implementation [Bar81, Gin73, Har71, HOS85a, HOS85b, LZ18, MHT09, RND97, Vin77a, Vin77b, Yun12, Aoe89, AG84, Bro77, MK90, NK07, PLL10, PD12]. improving [Cha77]. Improvement [AM91, Gri83, LT90a, BBvM21, BD98]. implication [LS10]. Implicit [Cha01, Cha02a]. Imply [Gal76b]. important [Jed87]. Improve [Bon07]. Improved [BFG09, CMO+08, CM08, GG86, GP90, Han13a, IS86, KV15, KZ02, LSW08, LJH+17, LJZZ13, Nav98, Nav00, Pol13, RKM21, Tan14, BC95, Oph89, SSYW19]. Improvement [Cha77]. Improvements [CK92]. improving [AYS84, Bir77b, DHPT10, Gal79, GKW+10, Hyy08, NBY01, YQW+16]. In-degree [LSV08]. Information [Sak21]. input-driven [Sak21]. Inputs [CGP+08]. Inspection [LLLL08, LLC17, VWR11, YP13, ARS16, BAC12, NYuR15, SSYW19].
Inspired [GWvG10, Pet92]. instance [FK96]. instant [Abb77].
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instructions [KKM+06]. insufficient [LG16]. Integer [Nav04a]. integers
[Mat94]. integral [EF95, SY72]. Integrated [BGH+94, FU82, WBA83].
Integration [Har79, Fat15]. Intelligence [IEE94b, Rob92]. intelligent
[HLH02]. Interaction [BNH+13, HR00]. Interactions [BNH+13].
Interactive [Han02, MR05, BH07, DPK11, 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, AOV+99, Bao93, B+02, Bro93, Bun94,
DMVT13, FMA02, IEE95b, KP15, Lev95, Ng79, SW94, Sto19, WN90, A+08,
BGNP94, HF13, MG94]. Interpolation [HW12, Lut02]. interpretation
[HN11, JP11, NC92, SHCV93]. interpretations [MP09]. Interpreter
[HOS85b, Mac94, Eck89, HOS85a]. Interprocedural [WHZ+17, FWDL15].
Intersection [GN12, HL10, Pet02, CP10, Ge10]. Interval
[Via02, Via04, SW94]. intractable [FLM+10]. Introducing [LV86b].
Introduction
[Bir77b, CM86, CLR90, GS93a, HU79, HU101, HMU07, PG90, SC88, HU92].
Introductory [LSO17]. Intrusion [BYHT18, CZCD09, Hig95, KKK11,
LY17, TS05, ZL18, ACF05, GZ10a, KAT07, LHCK04, TBS06]. Intrusions
[KNM90]. invalid [SMS15]. Invariant
[FU98, KMR10, LT03, ZC89, Dec06, MN05]. Inverse
[AAL97b, GI97, GHW05]. Inversion [KS94, Gie90, GT90]. inversions
[CCF13, GFG11]. Inverted [BBF+87, ZMS93, KWL07]. invisible
[EHS97]. invited [Rem01]. Invocation [Kor83]. Invocations [GMM12].
[ACP05]. Isomorphism [BJM79, Gro91a, Gro91b, KSH+15, Måk89]. 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].

J [KS08]. Jan [Ano12]. January
[ACM87, ACM92a, ACM93a, ACM94a, ACM95a, ACM97b, USE92]. Japan
[AT02, IEE94a, WN90]. Java [Ano96, Cal00, CM06, Dwe00, FR00, Hab04,
LM02, MFRW09, Mor02, NAR08, NM10, Sch14, SM04, St07]. Java-based
[Ano96]. java.util.regex [Hab04]. JavaScript [KT14]. Jeffrey [Ano97a].
Jeju [ACP05]. Jerusalem [AL01]. Jigsaw [BK93e].
JMatch [LM02]. join [WDG+14, WLF14, ZC+09]. joins [BKS02, JLFL14].
Jose [ACM95b]. JPEG [KS05, KS06]. jQuery [PIR17]. JTL [CM06].
July [AL01, AH97, AT02, Bro93, Bun94, Cha86, Cro92a, FC98, GU95,
KS12a, KP15, Lev95, LV60, MZ97, PC99, SMD04]. Jumbled
[BCFL12, GHLW15, KRR17, BFKL13, GG13]. June
Karp-Rabin [GBY90]. Keeper [Wei84]. Kentucky [ACM89]. Kepler [TSL16].
Kernelization [BCKM15]. Key [CG79a, CG79b, Gri79]. Keys [FFTD15].
Keyword [CR91, GBY90]. Kleenex [GHR+16]. KMP [Mor90].
Knuth [Bar81, DS04, PV91, Ruc15, Ukk10].
Kong [B+02]. Korea [ACP05]. Kumar [Hig95].
Labeling [FK16]. Labels [KMRY20]. Lafayette [Hig95]. Laguna [HM96].
Lambda [Dow91]. Lambda-calculi [Dow91]. Language [ADR15, Ano68, Fre06, ACM92a, ACM93a, ACM94a, ACM95a, AAB+17, BLLW12, CM58, ACM98, ACM99a, ACM106, ACM107, AP10, Apo93, AH97, ACP05, BYCC03, Bun94, CG94b, FL08, FMA02, GS00, GM11, HM96, HF13, Hwa85, CVP86, KU90, Len11, Ng79, Sto92]. JVM [BFN+09].
Malay [BSY00], male [KT90]. Malicious [HL10, HT14]. Manacher [Akl78]. Management [DT87, FMA02, SW94, Sto92, HF13, WXZY12].
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, ZCÔ12, HC87]. Match-Bounds [GHW05]. Matcher [HH83, Coo86, Ker07]. Matches [Dav73, KF91, Mut97, MOG98, PRU11, GHST17, Mha05, Ukld92, Yam19, ZD95].
Matching [AOX02, Abr87, ABM08, AC75, AGT89, Aku94, AR00, ACR01, ABF94a, ABF96, AAL97b, ALL97, ALLL98a, ALLO0, AAL+00, ALR08, AP10, Ano92b, Ano96, Ano17, AYS84, a194, AT02, ADLM96, AW89, Ash85, AJS92, AC01, ASA17, BST+03, BKP92, BYCMW94, BYN96, BYN97, BYN98, BYN99, Bak96, BEM+12, BCP02, BLP18, Bee81, BEL17, BH02, BH85, BKL97, BKL+02, BL94, BM00, BBL93, Bow87, BG92, Bre93, Bre94a, BCT94, BG95, BCT98, BGG12, BG14, BTC06, BL16, BK89, BU91, BSG+97, BZ98, BGJ01, BCFL12, BCC+13, CCFG12, CF06, CFP19, CFM17, CDM11, CK02a, CLS+10, CL92, CM94, CL94, CCH09, CL97, CLP98, Cha02b, CN02, CTF+98, CZCD09, CHL14, CJBW16, CK92, CDEK95, CG94a, CL95, CM08, CL95, Chum95, CW84, CJPS12, Coh94, Col94a].
Matching [CHP95, CH97a, CH02, CH03, CH14, CL94b, CG79a, CG79b, Cox07, Cox09, Cox10a, Cox12, CP91, Cro92a, CR92, CG+94, CR95b, CGPR95, CGG+97, CGH+98, CIK98, CIM+02, CIL+03, D’A98, DB86, DLG12, DN77, DCM15, DGMM94, Dwe00, EIV04, ETV88, Eke95, EMC96, EFL3, FT98, FL12a, FL12b, FMP20, FMMS20, FG98, FL08, FR00, For02, FU98, Fret02, FNU02, FTO4, Fre96, Fu95, Fu96, GHHW15, Gal76b, Gal79, GSO8, Gal81, GP90, GG91, GG92, Gal95, GPP04, GC01, GPR95a, GIK97, GP01, GP03, GMV03, Gaw12, Gaw13, GP93, GM02, Gia93, GG95, GG97, GM11, Gib21, Gi85, GKP19, GZ94, Gon02, GKP19, Gri79, Grit83, GL10, Gro92, GL86, GV05, GMN12, HD80, Han13a, Har02, Har97, HAR10, HL10, HT14, Haz01].
Matching [Hea71, HEWK03, Heo1, HL97, HUN+19, HH93a, Hig95, HT17, HO82, HSTS01, How97, Hut92, HW12, HN02, HN05, IS94, IMP01, IMR08, IST05, IS86, IKA19, JKL+20, Jez15, JL96, JGZL12, JSC83, JTU96, KPR97, KPR00, KUK99, KS12a, KR81a, KR81b, KR87, KRS95, KRS97, KO83, KP93, Kes79, Kha16, KTS99, KMT+01, Kid09, KST94, KS99,
KKSL01, KKK11, KS06, KS11b, KS12b, KM92, KM95a, KM95b, KMP77, KLI16, KRR17, Kor83, KMM15, KB18, KK02, KR97, KU09, KNS12, Kül10, KVX12, KNM00, KC99, Lab12, LSW08, LV94, Lav91, LP13, Le 91, LM01a, Lec95, Lec98, LKL02, Lee09, LV17, LT03, Les95, Les94, LV06, LY86, LTL04, LLLL08, LA12, LLCC13, LJI17, LLLC17, LP11, Liu86, Liu88, LM02, LT16, LN19, LGZ14, LCL06, LLW15, LS94, Lut02].

Matching [MZ07, Maa06, MS98, MKF91, MU02, MW92a, MGW14, MR11, MHT09, MUHT96, MP+14, Mel95, Mey85, MM02, MIH17, Moh97, MS91, Mon17, ML96a, ML96b, Mu 95, MuT95, Mun07, MR92, Mut97, Mut00, Mye92, Mye98, Nao91, NRT98, Nav98, NBY99a, NRY99b, NBY99b, NBY01, NR03, Nav04b, NWE97, Ned98, ND00, NRS18, NCL14, NR15, NEL17, OR12, OP16, Ott94, OM88, PDL98, PAMP12, PS10, PLL08, PK95, Par96, PV91, PPA10, PW95, Phi94, Pol13, PP09, Pou93, PR5, Prü17, PS93b, RR90, RR92, Rao95, RM88, RTT02h, RKM21, RS98, Ric79, Ris16, RKH02, RPE81, RT17, RSG19, RTR90, Sad96, SY94, SMD04, STK10, SCFC94, SN92, SP16, Scala11, Sch95, SRR92, SRR95, SD95, Sha93, STSA99, SKF+00, Shi00].

Matching [Shi04, Sh92, SSSS10, Sin83, Sin94, SF01, SdM01, Sli78, Sli83, SW09, Som82, Sp99b, St96, ST95, ST96b, ST04, Tak86, Tak94, TMK+02, TS05, TW94, TU93, TP97, TMV+01, TK07, TLC15, TL12a, TL12b, TVCM12, UW93, Ukk10, VSM87, VB12, VWR11, Via02, VG01, VRD01, Vis91, Vis99, VS01, WPKL13, WS16, WMGS19, Wat96, WKA94, WD99, WBA83, Wr94, WM92b, WM95, Xi03, XL01, YQW16, YK11, YJ84, YD18, Yum12, ZZ12, ZS17, ZS13, ZL18, Zha17, ZLN11, ZT89, Zue96, de 82, van14, AMB*02, ADR03, ADR06, AK08, AK09a, Akl87, Aku95, ASM17, Alb89, ACF05, ASG99, ALV92, AF92, AFR94b, AAL+97a, ALLL98b, AL01, ALP04, ABC+04, AKT06, ALLS07, AAK+09, AAB+09, AEK+11, ABH+14, Ano97b, Ano01, Aoe89, AG84, Apo92, Apo93].

Matching [AH97, AG97, ACP05, ADLM01, AGS96, AD11, AGW13, AG06, BFKL13, BKL18, BY93, BYP96, BYCC03, BSY00, Bak78, Bak93, BDB90, BCD98, BEM+13, BSTM08, BGA95, BR09, BA15, BA16, BBKB+14, BBvdM21, BCD14, BPPR20, BLPP90, BLP89, BFC08, BFG09, BGVW12, Bir77a, BGJ89, BÖ13, BBL98, Bra90, Bra95, BBK12, BBHK14, BG90, BG91b, BCT93, Bre95, Bre96, BGM13, BKS02, BDM19, BFK+03, BC93, BEL04, CADA18, CG90, CAF95, CPT92, CCF13, CS98, CPW88, CS98, CK40, CGM10, CL90, Cha93b, Cha93a, CLZ+15, CKP+21, Cha87, Cha02c, CRV06, CJ93, CRS95a, CDM05, CW13, CJBW13, CW18a, CW18b, CN21, CFK17, CNPS15, CNS18, CH04, CS11, CR87, CZW10, CEPR10, CJS13, CDP14, CDP16, CA6, CP10, CH92, CGG+93, CH97b, CGG90, CT96, CD89].
Gal84, GG86, GG87, Gal92, GP92, GU95, GPR95b, GR99, GU16, GGL94, GS00, GGF13, GG13, GMC02, GW92, GRY90, GPN96, GF08, GFG11, GGN06, GL89, GV00, GM17, GZ10a, GS06, HWW07, HY92, HLS07, HFS05, HC87, HR03, HH93b, HM96, HOK18a, HOK18b, HM00, HLS+11, HBRV10, HP01, HP03, HK77, How96]. matching [HLN09, HHL06, HFN05, Hyy08, IS96, Ier09, Ind97, Ind98, IS00, IK08, IM13, Iii86, ISHY88, JM93, JP11, JZ93, Joh95, Jte97, JL93, Joh94a, JU91, KTP10, KSVJ15, Kas08a, Kas08b, KN00, Kes91, KTS+98, KMS+03, KST92, Kim99, KW07, KEF+14, KC21, KN00, KS09, KMP94, KS96, Kos94, KI93, Kri09, KRR+13, KST16, KGP+05, KPA10, KT90, LMM17, LV86a, LV86b, LV87, LV88, LV89, Lar99, Lec07, LLC03, LH13a, LH03, LG16, LS10, LS09, LP08, Liu81, LH03, LBK08, L094, LT97, LLL13, MCF+11, MCF+14, MK90, MNU05, Man76, MBY91, MMZ10, ME97, MA16, MP05, McI85, MM03, MM07, Mis03, MMH+01, MR09a, MBB20, MA12, Mun95, Mus03, Mus05, MM98, Mye95, Mye99, NYuR15, Nak14, Nar91, NBY99c, NR00, Nav00, NKN+01]. matching [Nav01a, Nav01b, NR02, NF04, NT05, NC06, Neb06, NWE99, NdmM02a, NC92, NR17, NK07, Nil90, OK94, dSOMY15, OR11, Oph89, OW03, PS89, PLL10, PPTT15, Par98, PS90, PLT14, PC99, PP94, Per94, Pet07, PMS11, PPZ08, PDC94, PA10, QZC17, Quo92, RM06, RTO20a, RUC97, RTO15, Rus88, RLP20, Sad93, SVS97, STK06, Sal12, SBB19, Sas79, SW09, Sch81, Sch91, Sch88, SZ05, Sen00, SS94, SGM00, ST96a, SN94, Sh97, SI77, SR16, Smi91, SD14, SGCW14, SHCY93, Spe85, Sp99a, Sri93, SA77, Sto02, SALP20, SWW+12, SLZ+20, SV97, SM07, Tak96b, Tak93, TBS06, TZYH14, TJ+17, TM04, TM05b, TM05a, THG17, Tej20, Thi93, TIT83, TLS16, TMJC20, TLLL07, TLLL09, TCC91, TRL+20, Ukk92, Ukk93, Val99, Van06, VLP10, WV11, Vlos04]. matching [Vin77a, Vin77b, Vis90, Vol12, Wat97, WZ95, WGMH13, WLF14, WC14, WL15b, WZ96, WW03, Wbd03, Wad87, Wad03, Wbd94, XMCL11, YKGS11, Yao17, YT03, YB13, ZMAB03, ZH10, ZHZ16, ZA17, Zdo18, 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, SJNS19, TZW94, Kar82]. Matrix-Vector [FTJ95]. Max [IMP01, WPK13]. Max-Shift [IMP01]. Maximal [BJM79, Fra20, IF94, IS86, BGK+16, Che96, GHST17, Iii86, Ukk92, Rep98]. Maximal-munch [Rep98]. Maximally [BNV+13]. Maximize [LZ91]. Maximum [ADLM96, ASA17, OP16, ADLM01, LMMN07]. May [ACM09, ACM74, ACM76, ACM81, ACM84, ACM86, ACM90b, ACM91, ACM92d, ACM93b, ACM94c, ACM94d, ACM95b, ACM95c, ACM97a, ACM97c, ACM99a, ACM99b, ACM00, ACM08, Ape92, DT87, KLB12, SW94]. Mean [Alb99]. Means [Ray96, SS93a, OW03, WD99]. Measurement [Lee91]. measures [EZ74, EZ76]. Mechanical [NEH90]. mechanics
mechanized [Chl08]. media [VD17]. meet [KSVJ15]. Meeting [NEH90]. Membership [CGS17, GM02, KZ02, Loh10, Pet02, MW94].

Memory
KKK11, LP13, Lec98, 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].

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


March [Bar81, DS04, Ukk10, PV91]. most
[FL13, GF11, HY90, LR14, YH91]. Motif [BNV+13, Tan14, YHV+15].
Motion [CZW15, KC99]. motivate [Fla88]. moves [CM07]. moyenne
[Alb89]. Multi [MM02, MM03, PSK08]. Multi-IO [PSK08]. MPI-IO [GRO91a].
MT [ZV97]. Mukherjee [Neu10]. Multi
[CJ93, FMdB99, GG95, GG97, Har02, HUN+19, LY17, LT03, LT90a, NBY99a, OR12, OSS16, PLL08, TMK+02, WSW16, Alb89, ARS16, CPT92, CCG+99, ETV88, JKN500, KTP10, KPA10, OW03, SDA17, XMLC11, YT03].
Multi-attribute [Har02]. Multi-byte [TMK+02]. Multi-combinators
[LT90a]. Multi-Core [LY17, JA17, JXA20]. Multi-Dimensional
[GG95, GG97, NBY99a, JKN500, XMLC11]. Multi-field [VWR11].
Multi-keyword [OSK16], multi-linear [ETV88]. Multi-matching [CJ93].
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
[CJ93]. Multibox [Dya94]. Multicast [Sch95]. multicharacter [CW13].
Multicore [YP13, ZLN11]. Multidimensional [SN92]. Multidisciplinary
[Kni89]. Multidisk [KCK93]. multihead [CR87, Pet94]. multilingual
[ZW97]. Multimodal [BWG12]. Multipattern
[STK06, Yun12, ZS13, BBK12]. Multiple
[BYN97, BLP94, CF06, CJPS12, FL12b, Gaw12, IS94, IS96, KTS+98, KMT+01, KMM15, LLC17, LT90b, LBK08, Mut00, OR12, PW95, SVS97, SAL20, TM05b, WVR11, CK02b, Daa01, Fen01a, FN04, HFN05, KM13, KGP+05, KIH15, Maa06, Mha05, NF04, PC02, PW06, WH15a, WZ96, ZC89].
Multiple-pattern [TM05b]. Multiple-Stride [VWR11]. multiplexing
[Quo92]. Multiply [FTJ95]. Multiprocessing [WBA83]. multiprocessor
[Vin77a, Vin77b]. Multitern [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 [LRV18]. nd [OND98]. nd-order [OND98]. near
[HFFA09]. near-optimal [HFFA09]. Nearest [CEMW91, QQC+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, BKE18, CMS08],
One-Way [JL96, LY86, Sch91, She59, CR87, GGL94, JL93]. Online [FL12a, FMP20, LH13b, PS10, CJK13, FL13, KM13]. only [GS81a]. Ontario [Cha86]. Open [SDS14, AC93, ZdSO18]. Operating [IEE01a, IEE01d, IEE01c, IEE01b]. Operational [HH83]. Operations [DJ96, AGM05, Ear74, GW92, GH09]. operator [HC87]. Operators [For02, Kea91a, Sym85, MDD11]. Optimal [AOK02, AR00, ABF94b, BH96, CLZ+15, CG94a, CR92, CGH+98, FCLST07, FG95, FG98, FK16, FNU02, Gal84, Ga95, Gm13, GG97, Hig86, IY02a, IY02b, KU99, KR94, LMM07, MS98, MP88, Mor83, Mtk00, Nak14, NWE97, NdMM02b, RT17, SN92, BKBB+14, BG90, BKS02, CM0+08, CR94, FN04, GS81b, GS83, Gal92, GR99, GHK14, HFFA09, IKX15, IP96, KR89, KT90, MSRR00, MO95, Neb06, PPTT15, Ryt89, 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, KEF+14, KAN+17, SdM01, Wg74, BLSS03, CFKT17, Ch08, CNPS15, CT96, DGM19, Dow91, Gie90, Kes91, NRO12, OR11, OND98, Pio8e, TPT13, Zei08]. Order- [Wag74]. Order-preserving [GU16, KEF+14, CFTK17, CNPS15, DGM19]. order-sorted [Gie90, Kes91]. Ordered [ST04, Cro92b, Gro91a, Gro91b, Mük89]. ordinary [Rev91]. Oregon [ACM94a, ACM00, BGNP94]. O'Reilly [Ano97a, Ano12]. Organization [IK83]. Organizing [CG87]. Orientation [TCC90]. Oriented [GP93, KS94, GPTV93, LLC03, Mus05, TG96]. Orlando [IEE88]. Orleans [ACM91, ACM97b]. Ornaments [Rém17]. Oscillator [FYJ+17]. Oscillator-Based [FYJ+17]. OSN [ZG+16]. other [Ano97a, Fr97a, Hoc19]. our [FvGGM90]. outbreak [FNP09]. Outerplanar [BJM79]. Output [PM78]. Outsourced [FHV18, YDW18]. Overcoming [Kü10]. overlap [KD15, PSK08]. Overlapping [Ben94, BZ98, CCF13]. Overlaps [AGM19]. Overlay [LT16]. overview [PVA+92, Tur86]. Own [ZG+16]. Oxford [Ano97b].

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, Kül10, LLCC13, LLLC17, MS01, MR09b, Mut00, NR98, RR90, SV94, SN92, TCL15, TVCM12, VMML15, Wei83, BGN94, BLPL92, BG90, BG91b, Bre94b, Bre95, BH96, CL09, CGG⁺93, CR91, CR94, Gal84, Gal92, GS93b, GF08, Hur84, Hyy08, I86, JRV96, KIU15, LV89, MK90, Mis03, MMS14, NYuR15, Ryt89, TLS16, ZC99].
Parallel-Algorithm [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
[ATX21]. Parallelizing
[KP93, RP95]. Parentheses
[PDC94]. Parentheses-matching
[PDC94]. Parenthesis
[Sto96]. Paris
[Cro92a]. Park
[IEE89]. Parsing
[Kea91a, DF00]. Parser
[Hol84, TB00, Gan89b, LK06, MLC08]. Parsing
[AM97]. patches
[TCC99]. Path
[Bac94, BLLW12, CDLV99, CDLV02, HJ99, LM01b, Tar81a, Tar81b, TPT13, BBG13, Che96, CK02b, LM12, MF96, PC02, YCJ08, YT03]. path-wise
[TPT13]. path-wise
[MF96]. paths
[GLS07, LM13]. Pattern
[AMB⁺02, ABM08, ABF94a, ABF94b, AAL97b, ALL97, AAL⁺97a, ALLL98a, ALL00, AAL⁺00, ALR08, AAB⁺09, AP10, AWS16, Ano09b, Ano96, Ano17, AYS84, iA94, AG84, AG97, AT02, ADLM96, AW89, Ash85, AJ592, AGS96, AD11, BNY98, Bak96, BCD98, BEM⁺12, BLP18, Bec81, BLKP97, BKL⁺02, BCKM15, BBL93, BBL98, Bow87, BTC06, BL16, BGJ01, BCFL12, BC93, BCC⁺13, CCFG12, CFM17, CS98, CDM11, CG87, CK04, CLST⁺13, Cha02b, CZCD09, CK92, CDEK95, CG94a, CLP95, CM08, CL95, CHZ06, CEP10, CJPS12, CDP14, CH03, Col94b, CG79a, CG79b, Cro92a, CR92, CR95b, CGPR95, CL96, CGH⁺98, D’A98, DB86, DWE89, DLG12, DN77, Dit87, DCM15, DGM94, Dwe00, EIV04, E13, EGP14, Far92, FMMS20, FL08, FR00, For02, FNU02, Fu95, Fu96, Fu97, GHLW15, GPP04, GC01]. Pattern
[GRS99, GIK97, GP01, GP03, GIMV03, Gav12, Gav13, GP93, GM02, Gia93, GG95, GG97, GM11, GMC02, Gil85, GW92, GKP19, GGN06, Grie9, Gri92, GL01, Gro92, GL86, Har92, Har97, HAR10, HH83, HL10, HT14, Haz01, Hea71,
HEWK03, Hei01, HL97, HUN\textsuperscript{+}19, Hig95, HO82, HSTS01, How97, HW12, CVP86, IMR08, IST05, JLK\textsuperscript{+}20, Jez15, JSC83, KPR97, KPR00, KU99, KS12a, KR81a, KR81b, KR87, KR94, KRS95, KRS97, KN00, KP93, Kes91, Kes79, KTS99, KTSA99, KZT\textsuperscript{+}01, Kid09, KS09, KKSL01, KKK11, KSO1, KS06, KM92, KM95a, KM95b, KMP77, KRR17, Kor83, Kra08, KB18, KK02, KU09, KNS12, K"{u}l10, KVX12, KNMH00, KC99, Lab12, LV94, Lav91, LP13, LM01a, LKL02, LSTW\textsuperscript{+}17, LY17, LT03, Les95, LV06, LTL04, LA12, LLCC13, LJI\textsuperscript{+}17].

**Pattern** [LLC17, LP11, Liu86, Liu88, LM02, Lut02, MZ07, MS98, MKF91, MU02, MW92a, MW92b, MGW14, MR11, MHT09, MUHT96, Mc85, 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, Por93, PK85, PS93b, RR90, RR92, Rao95, RM88, RKM21, RS98, Ric79, Ris16, RS\textsuperscript{+}19, SMD04, SCFC94, SN92, SP16, Sch95, SRR92, SRR95, Sel84, Ses96, Sha93, SN94, STSA99, SKF\textsuperscript{+}00, Shi00, Shi04, SSSS10, Sim83, SF01, SmM01, SW09, Som82, Spi99b, Tak86, Tak94, TMK\textsuperscript{+}02, TM05a, TMV\textsuperscript{+}01, TSI13, TK07, TL12a, TL12b, Ukk10, VSM87, VWR11, Vla02].

**Pattern** [VG01, VRD01, Vis91, Vis99, Vol12, VS01, VB98, WCM\textsuperscript{+}94b, WZS95, WSW16, Wat96, WKA94, WD99, WBA83, WM92b, Xi03, YP13, YK11, YDW18, ZZ12, ZZH10, Zo17, ZdS08, ZLN11, ZT89, Zue96, ADRO3, ADRO6, AK08, AK09a, Al78, Alb89, AG99, AYCLS02, ALV92, ALLL98b, AL01, ABC\textsuperscript{+}04, AKT06, ALLS07, ABH\textsuperscript{+}14, Ano01, Aoe89, Apo92, Apo93, AH97, ACP05, AP90, ADLM01, AG06, BKLE18, BYR93, BYCC03, Bak93, BDB90, BEM\textsuperscript{+}13, BA15, BA16, BCD14, BPP020, Bar77a, BG89, B013, Bra95, BHHK14, BK502, BDM19, CGK08, CPT92, CPW88, CF88, CGM10, Cha93b, Cha93a, CKP\textsuperscript{+}21, Cha87, Cha02c, CRV06, CR95a, C2L95, CKF17, CNPS15, CS18, CS11, CWZ10, CJS13, CDP16, CA20, CCG\textsuperscript{+}93, CH97b, CT96, CD89, CG93, CG94b, CR94, CCG\textsuperscript{+}99, CKC07, DS04, DA18].

**Pattern** [DG\textsuperscript{+}19, DGM19, Di76, Dijxx, Dow91, Dow93, DGM90, EASK14, ET2V1, FML\textsuperscript{+}10, FWW13a, FWW13b, FLC\textsuperscript{+}19, FC98, FH18, Fen01b, FBMA05, Fri97b, Ga004, GP92, GU95, GR99, GU16, GS00, GGF13, GG13, GPP96, GJS20, GZ1a0, GS06, HW07, HC87, HM96, HB010, HP01, HP03, HK77, How96, HLN09, Iba97, Ier09, Ind97, IM13, ISHY88, JM93, JP11, Jon07, KTP010, KSV15, KSO7, Kas08a, Kas08b, KTS\textsuperscript{+}98, KMS\textsuperscript{+}03, KKK93, Kin99, KS11a, Kin89, KS05, KMP94, KD15, KOS98, Kos94, KM13, Kri09, KKR\textsuperscript{+}13, KGP\textsuperscript{+}05, LL030, LH13a, LH03, LS10, LS09, LP08, Liu81, LBK08, LOQ94, MCF\textsuperscript{+}11, MCF\textsuperscript{+}14, MK90, Man76, MMZ10, Mar07, MAI\textsuperscript{+}16, MP05, MHM\textsuperscript{+}01, MR09a, MR13, MA12, Mun95, NYuR15, Nav00, Nav01b, NR02, NWE99, NDMM02a, NR17, NK07, Nl90].

**Pattern** [OK94, OR11, Oph89, OSSK16, Owo93, PPTT15, Par98, PS09, PC99, Per94, PMS11, Quo92, RM06, Rs88, SBB19, Sas79, Sch81, Sch91, Sch88, Sea0, SGYM00, SiI77, SmI91, SIDS14, SGCF14, SHCY93, Spe85, Spi99a, Sril93, Sto02, SALP20, SMN07, 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, KXV12, LY17, LT02, MUHT96, NWW97, Ned98, Ott94, Pou93, SCFC94, Sch95, SSSS10, SW09, WM92b, CL96, GMC02, KN00, CF88, dRL95, JD89, YIAS89, Ano97b].
Pattern-Recognition [AWS16].
Patterns [BLR14, BH85, CLP98, CMNP17, Gim73, HNB13, IS94, JGZL12, Kha16, Les79, Pr˚u17, SB09, TMV01, ADT15, Alb89, AG06, BLR11, BSM07, BFS04, Bro77, CP10, Dan91, ETV88, IS96, JSH09, KPA10, KIH15, KRML09, LMM17, MR09a, 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, Fen01b, Hur84, LH13a, SNB19, SWZ01].
perils [Fen01b].
Periodic [Mat94, CDM11, FLSS93a, FLSS93b, ZKCY07].
Periodicities [Sli83].
Periodicity [GPP04, MAI+16].
Perl [Lab12, Ano97a, Anoxx, Fri97a, Han01, LT09, SPF08, Sno01, SMO4, Stu07, Val09].
Permutation [BL16, CNS18, KKR+13, BCKM15].
Permutations [BBL93, BBL98, Chr96, Iba97].
Permut [HUN+19, BEL04].
Perrin [BRE93, BRE96].
Personal [VFJ+17, CK02b].
Pen [ACP09, AP90].
Platform [HZ13, ZLN11, FNP09].
play [FHW10].
 Plexus [AB09].
plush [II09, MI07].
Plushie [MI07].
PMETA [Kes79].
pocket [FPD08, GL03, Stu03, Stu07].
PODS [ACM95b, ACM99a, ACM07, HF13, ACM90a, ACM92b, ACM94c, ACM95b, ACM97a, ACM98].
PODS'11 [Len11].
PODS'12 [KLB12].
PODS'13 [HF13].
Point [CM08, GIMV03, Hig86, MU02, Ukk10, VS01, WKA94, ZHOWW12, dRL95, AK09a, CGK08, CS98, Rot91, TZYH14, WC14].
Point-Pattern [MU02].
pointer [MF96].
points [Jon13].
Poland [Win78].

Recombinant [BM00, MLC08, ZL18, CMS08, Ram94, WKR09]. Reconstructing [Wei83].


Recombinant [BM00, MLC08, ZL18, CMS08, Ram94, WKR09]. Reconstructing [Wei83].
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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, GLRÅ11, GR92, Gef03, Gel10, GL03, GS07, GMS12, GM17, GH09, HW07, HWW07, HY90, HSJ04, Hoc19, HW09, Hov12, Hun79, Jan85, JSH09, Joh69, Kah06, Ka00, Kar82, Ker07, KGA12, Kin91, Lau00, Lau01, Lee82, LSO17, Lei80, Lei81, Lei85, LWS+16, Li03, LR14, LM13, LMN16, Lus94, MMDdJ11, McI04, MR05, Mor02, regular [MZZ10, MM89, NT20, Nic03, PHXD19, PC02, PIR17, PLT14, PIT+03, PPPdG20, RT18, Rob79, Rom14, Ryt89, Sak21, SCF+17, San15, SMS15, SGM00, Sh88, SY72, SH85, SM04, ST19, SSYW19, SL+20, SMT+86, TN13, TN15, Vou06, WXZY12, WL15b, WW03, Wat03, WR15, XJT+04, Yam19, YKGS11, YH91, YH92, YB13, ZZH16, 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].

Relationship [XK92, GR92].

Relaxation [SHCY93].

Reliability [FO76].

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].

Replicative [CDM11].

Replacement [NAR08].

Replacing [DCM15].

Replication [HFFA09].

Report [GS81b, HJW+92].

Reporting [MOG98].

Representable [Dow93].

Representation [NRO1].

Representations [KAN+17, YB13, ZC89, ZZH16].

Required [MW92b].

Requirement [LH13a, ZKCY07].

Requires [Rob79].

Rescuing [FSL+15].

Research [CPW88, IEE89, KL02].

RESeED [SCF+17].

Residue [BM00].

Resilient [ABBH+16].

Resistive [KYG19].

Resolution [OW03].

Resource [FF96].

Resourceful [BPF+08].

Resources [Har10, LG16, MP09].

ResSeq [FSL+15].

Restore [CM18].

Restricted [Kin92, OWP16, Lei81].

Results [FMMS20, Lec95, WCM+94b, FL13, WCM+94a].

Retargetable [GFH82, BDB90, Gan89a, Fra83, GHF83a, GHF83b, WNL+83].

RETE [Alb89, MK90].

Retrieval [BBH+87, DS19, FBY92, GR96, LZ96, MKF91, Mor83, Zve80, All82, BSY00, LMNT16, PMD01, SD91, ZKA12].

Reusability [PV91].

Reuse [HL97, Rön17].

Review [Ano97a, Ano97b, Ano12, Hig95, Hum97a, Hum97b, Lab12, Neu10, Uma97, FL13].

Revised [A+08].

Revisited [CCI+13, GL01, RUG97].

Rewrite [KN00, Ram94].

Rewriting [AM95, CDLV99, CDLV02, Dur94, GHW05, Lav91, ND02, GMC02, KR95, PSK17].

Rewriting-Based [ND02].

REX [Can99].

Rexx [LS06].

Rey [ACM69].

Richness [QPWH08].

Richness-preserving [QPWH08].

RICS [TJD+17].
[BMMR19, HY90, Tho81, YH91, YH92, tC09]. star-free [tC09].

star-height-problem [Tho81]. starting [Mid98].

State

[Bow87, BDM19, CZoHi17, CM58, Go93, 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, Ae089, FhDAF09, GLS07, HS08, Ju91, LYE01, MF09, Pir17].

State-of-the-art [WDG+14].

Statements

[JP73]. States

[DGBH93, LK06]. Static

[Cha02b, HV93, JGZL12, WHZ+17, ALLS07, Ae089, FhDAF09, GLS07, HS08, Ju91, LYE01, MF09, Pir17].

State-of-the-art [WDG+14].

Statements

[JP73]. States

[DGBH93, LK06]. Static

[Cha02b, HV93, JGZL12, WHZ+17, ALLS07, Ae089, FhDAF09, GLS07, HS08, Ju91, LYE01, MF09, Pir17].

State-of-the-art [WDG+14].

Statements

[JP73]. States

[DGBH93, LK06]. Static

[Cha02b, HV93, JGZL12, WHZ+17, ALLS07, Ae089, FhDAF09, GLS07, HS08, Ju91, LYE01, MF09, Pir17].

State-of-the-art [WDG+14].
string [KST16, KPA10, LV86a, LV86b, LVN87, LV88, LV89, Lar99, Lec07, Liu81, LHCK04, LT97, LLL13, Mac90, MN05, MB91, ME97, Mha05, MM03, MM07, Mis03, MS95, Mus03, Mus05, Mye99, Nak14, NHH+20, NBY99c, NR00, NKT+01, Nav01a, NF04, NT05, NC06, Ne06, NC92, PLL10, PA10, RUG97, Ry80, RLP20, Sad93, STK06, Sal12, SW90, Sz05, SMS15, ST96a, STKD20, SG12, SR16, Spi99a, SV87, Tak96b, TBS06, THG17, TPT13, Ukk92, Ukk93, VLP17, Vin77a, Vin77b, WDG+14, WL15a, WLF14, XMLC11, Yao79, YT03, ZZJ20, dB93, GH82]. String-Manipulating [VMML15]. String-Matching [BG14, CCG+94, GS80, Gal95, JL96, Kha16, Les94, Ly86, Mol97, Mut97, Sli78, Sli83, CH04, Cro92b, BR09, CCF13, CL13, CR87, CGR99, DR06, Gal75, Gal76a, GS81a, Gal92, GPR95b, HY92, HR03, JL93, KST92, LHCK04, PLL10, TBS06, Ukk92, Ukk93, dB93]. String-pattern [Kim99]. String-searching [Mha05, Ry80]. String-similarity [BSY00]. String-to-Dictionary [KS11b, KS12b]. String-to-string [Mae90]. stringdist [van14]. Strings [Ale94, BS97, BCFL12, Chu95, Cal94b, FT98, Gaw13, GNU94, GL01, Gus97, HUN+19, HT17, Huc21, ISNH94, KRS95, KRS97, KAN+17, KMP77, LT03, Lut02, SW09, Ver92, YQW+16, Zha17, ADR03, ADR06, BLSS03, BFK+03, BC95, CD89, CR91, DGG+19, EH88, ETV88, FT95, GO12, JRV96, KGA+12, KMP94, KR97, LMM17, LS10, McI04, Mei15, 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, KWL07, MP05]. Structured [BL12W, CMNP17, KM94, KS99, BGHZ15, Fia88, TMK+02]. Structures [Cha01, Cha02a, FBY92, GHLW15, GG97, Gor00, GKW+10, LSW08, Lar99, Lec98, Les79, APTS13, ABH+14, BA15, GMC02, HN90, HTK+21]. stuck [AEK+11]. Students [DKA+15]. Studien [SM74]. Studies [JM85, SM56, SM74, S93a]. Study [CSY03, FT95, JM85, MM02, MSZ17, OP16, PV91, Sca11, BG91a, Fen01b, PSK08, SKS96]. Studying [MGH93]. Sturmian [BR09]. Style [Cop91, WW03]. subexpressions [Fat15]. Subgraph [QZC17, XZL+19, EASK14, KSH+15, LQL+16, SWW+12]. Subgraphs [MSS+19, PSP+18]. subject [ETV88, Sch81]. Sublinear [CL94, FG98, CL90, CWZ10, CGR99, FG95, WZ96]. Sublist [Jay92]. Submatch [HHM+13, BT21, Lau01]. Suboptimal [Cha94, LS94]. Subquadratic [WMM95]. subscribe [ZCT14]. Subsequence [BGM19, ETV21, HIRS17, ZKA12]. Subsequences [IF94]. Subset [CH03, Kim92, Pag78, AB09, CH97b, HW09]. Substitution
[For02, JSC83, Sch81]. substitutions [LVN87, Pie08]. Substring
[AKT20, ACR20, CIL+03, Har71, Jol94a, KO83, KRS19a, KRS19b, Sun90,
BGK+16, BSTU08, ETV21, Gra15, HKN14, HTX17, IKX15, JKNS00, Maa06,
MAI+16, Sto02, Yam19]. substring-preprocessing [Sto02]. Substrings
[ATX21, Cob94, Fra20, Boo80, FGKU15, GHST17, LO94]. substring
[Gro91a, Gro91b, Mäk89]. Subtype [WZJH12]. substrates [JM93].
Substrings [ATX21, Cob94, Fra20, Boo80, FGKU15, GHST17, LO94]. substrates
[Sto02]. Substrings [ATX21, Cob94, Fra20, Boo80, FGKU15, GHST17, LO94]. substrates
[Sto02]. Subtrees [Gro91a, Gro91b, Mäk89]. Subtype [WZJH12]. substrates [JM93].
Succinctness [Gel10, GN12]. sufficient [KT90, MR09a]. Suffix
[AOK02, ABM08, FL12a, GV05, GLS92, Kid90, 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 [Kni89, LH13b]. Super-Alphabets [Fre02, 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, BSTU14]. supporting [CMW87]. supports
[Ni90, WR15]. surface [TCCK90]. Survey
[AKT20, Bra62, Kni89, LH13b]. Surveyor
[Fra83, GHF83a, GHF83b, WN1+83]. Surviving [Cox19]. SVR4 [Rob99].
Swap [AEP06]. Swaps
[ALLL98a, AAL+00, CCFG12, 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, ACM97a, ACM97c, ACM98, ACM99a, ACM99b, ACM100,
ACM103, ACM107, ACM108, AP10, AH97, AT02, Bro93, Cha86, DGBH93,
FC98, FL08, FJK2, GM11, HM96, HF13, Hwa85, IEE89, IEE90, IEE92,
IEE93, IEE95a, IE97, IEE98, IEE99, IE00, KS12a, KU09, Len93, Lev95, LV06,
MZ07, Ng79, WN90, Wu78, AL01, Apo92, Apo93, ACP05, BYCC03, CG94b,
GU95, GS00, KLB12, Len11, PC99, SMD04]. Symsac [Cha86].
synchronization [JM90]. Synchronized [PI1+03]. Synonyms [LLW+15].
Syntactic [KKSL01, TB00, Wol86]. Syntax
[BLS+94, XLC19, AG06, Chol08, Pie08, ZGE85, Zie08]. Synthesis
[BDD+14, CDL+15, BK86, Lei81, SW12, WKR09, ZL14]. synthesized
[Kod79]. Synthesizing [LS07, SDA17]. Symbiotic
[BM00, CFS+89, DMWW77, Har79, IEE01a, IEE01d, IEE01c, IEE01b,
KSWC93, KMT+01, KKL01, MM02, SF01, Som82, WHZ+17, Wol86,
AAB+86, BAC12, BG91a, BH07, GPTV93, KAT07, KMS+03, KJS17,
KLR+08, KPP21, LHCK04, MI07, TIAY90, WCW82]. Systematic
[KK95, NAR08]. Systems
[ACM83, ACM90a, ACM92b, ACM94c, ACM95b, ACM97a, ACM98, ACM99a, ACM06, ACM07, Ano68, Dur94, FYJ+17, GHW05, HF13, IST05, JM85, KKK11, Kor83, LY17, LLS+20, LZ96, Lug02, MUHT96, Mor83, PSP+18, Sar02, WHZ+17, CDC96, CFM00, DL03, Fat15, JO97, KKM+85, KN00, KKP92, KEG+08, KLBI2, KR95, LLC03, Len11, Lus94, SD91, WSS94]. SystemT [KLR+08].
t [KPP21]. table [GHS82]. tables [EF95, Mus05, Quo92, SDA17]. tagged
[Lau00]. Tagging [Kul11, KEG+08]. tale [VLP17]. talk [Rém17]. Taming
[Hab04, KSH+15]. tapes [Cho78]. target [LY17]. TASH [Wes97]. Task
[YS95]. TAWK [Eck89]. taxonomy [CWZ10, WZ96]. TBNF [Man06].
TCAM [MPN+14, PD12, Yun12]. TCAM-Based [Yun12, PD12]. Tcl
[Wes97]. Teaching [GOMSJVGP08, Far19]. Technical [Spi99b]. Technique
[Vis91, ZT89, Bak78, CK02b, Flas88, PC02, Vis90]. Techniques
[DCM15, GS93a, GL86, HH93a, Kuk92, Mu95, MuT95, NR04, Tho68, Ano97a, DOS93, EF95, Fri97a, HH93b, MSRR00, Mun95, PPPdG20].
technologies [OKT92]. Technology
[IEE01a, IEE01d, IEE01c, IEE01b, THG17]. Template
[SN92, Coo89, FLSS93a, FLSS93b, SS94, SA77]. Templates
[HL07, ZGY+16]. temporal [PM01]. tenant [SDA17]. TENCONE [Bao93].
Tennessee [ACM90a]. Tenth [IEE94b]. ter [Lia84]. Term
[Dur94, Lav91, Pet92, PS93b, KN00]. Termination [GHW05, JR15b, AP13].
Terms [Cha02b, ZMSD93]. Ternary [KAN+17]. Tessellation
[Prü17, TIT83]. Test [Har71, AG84, PPPdG20, RP95, SMS15]. testable
[Mei08]. Testing
[Bre94b, Hei01, Lut02, ZMWL20, GM17, Han92, KKM+85, MF96]. tests
[Thi93]. Texas [ACM97c, NEH90, IEE94b, IEE95b]. Text
[BBH+87, CC97, DW17, Fal85, FMP20, Gib21, GN01, Gon83, Gor00, GV05, GKW+10, How97, KR92, KTS99, Kuk92, KVC12, Man94, Man97, Na091, NR99b, Nav01c, Pik87, Pik00, Ritxx, STS99, SKF+00, TMK+02, TT82, ZA87, AMB+02, ALLS07, BYG92, BYG96, BCD98, BFGK15, BC13a, BPPR20, BPFPN10, CL09, CHLS07, CR95a, CM95, CEMW91, CL96, GGF13, Gre88, GV00, How96, Ier09, Io08, KR89, KTS+98, KWLL08, MW92b, Mus03, Mus05, NK+01, NT05, OKT92, RH81, San95, SKS96, SNZBY00, WM92a, YT03]. Text-Based [GKW+10]. text-compression [CL96]. Texts
[BKL97, BKL+02, BG95, CL95, FT04, Lut02, ML96a, Na095, TMK+02, BFKL13, BS00, BFG09, CD96, DS04, JU91, KS01, NR02, Sen00]. Textual
[BH85, Haz01, Joh94b, ZBMT14]. Texture [VB98]. tf [TP07a, TP07b].
tf-idf [TP07a, TP07b]. Their
[Brz62, CJM12, Gin73, HN05, MHRK12, OF61, RS59, BRL13, BDFED+20, CX20, GR92, KSJ15, Lan00, NEH90, Pel87]. Theorem [GL19, WZU14]. theoretic [Pie08, Sni93]. Theoretical [CL92, FJ92, MAC14]. Theorie
[SM74]. Theory
[ACM69, ACM74, ACM76, ACM81, ACM84, ACM86, ACM90b, ACM91,
ACM92d, ACM93b, ACM94c, ACM95c, ACM97c, ACM99b, ACM00, ACM08, AU72, AU73, DMVT13, Gim73, HU79, HU92, HMU01, HMU07, Lut02, Pet92, SW98, AFI98, Bak93, Far19, Han02, HR00, SBR+07, VVV04. 

[AS85, LH03]. Translating [HSW97, HSW01, Rev91]. Translation [AU72, AU73, Gef03, Ver70b, Ver70a, Rot91, TZYH14]. transnational [Man06]. translocations [GFG11]. Transmission [Jok90]. Transposition [LT03, MNU05, Dec06]. transposition-invariant [Dec06]. transputer [CEMW91]. traversal [NRO12]. traversal-based [NRO12]. Traversals [Sto96]. Tree [AGT89, AM91, AYCLS02, Cha02b, Cha02c, CHZ06, CH97b, CH03, CMNP17, DGM94, FV16, GHLW15, GL19, JZW94, Kid90, KM94, KLI16, LPR+08, MS98, MSZ17, RR90, Shi00, Shi04, Sto96, BDB90, BGT83, CGR03, CLZ+15, Cha87, CLS95, DF00, DGM90, EHS07, FCFM00, Far92, FG99, KSI1a, Kos89, Mal93, SGYM00, TJMC20, Vou06, CGR02]. Tree-Like [GHLW15]. tree-manipulation [Mal93]. Tree-Structured [CMNP17, KM94]. Tree-walking [EHS07]. Trees [BYCMW94, BCP02, FK16, GHLW15, Gol93, Gro92, GV05, Gus97, HO82, JWZ94, RR92, SCFC94, Sim83, ACFC+16, CPT92, Gro91a, Gro91b, GV00, JRV96, Kos94, Mäk89, TTHP05, TJMC20, Ukk93, Ver92]. Trial [LRV13, LRSV18]. Triangle [IEE89]. Triangles [GP18]. trichotomy [BBG13]. Tricks [Abb94]. Trie [CCH09, GO12, KW19]. tries [BYG96]. Trigram [Cox12]. Trillion [PSP+18]. Triplestores [LRSV18]. Truly [GP92]. trusted [WXZY12]. Tucson [ACM97a, Apo92]. Tumor [WZJH12]. Two [KU99]. Two-dimensional [ABF94a, ADLM96, BYN98, BR20, BKL97, BKL+02, Bir77a, BGJ01, CDJ15, CL95, CHZ06, CHLT14, CP91, CR92, CRR93, CCG+94, CGPR95, CGH+98, CIK98, FU98, FNU02, Gal76b, Gia93, HW12, JSC83, JU91, KPR00, Ku099, Ly86, Mid96, Ott94, Par96, Pru17, She59, TFT83, XZL+19, ZT89, AK08, ABF94b, AKT06, AGM05, ADLM01, BYR93, Bar84, CK02b, CP10, CCG+93, CR94, GP92, HY90, HLNO9, KWL07, KM13, dSOMY15, Par98, Rot91, SN94, VLP17]. Two-Level [JSC83, KWL07, dSOMY15]. two-patterns [CP10]. two-point [Rot91]. Two-sided [CDJ15]. Two-Way [BR20, CP91, She59]. Type [JM93, Sou99, Van06, CGPS13a, FF08, JO97, Nil90, Pie08, ZBST14]. type-ahead [ZBST14]. type-checking [CGPS13a]. type-theoretic [Pie08]. Typed [JP11, Xi03, Dow91, Tej20]. Types [FR00, Pre99, ASJDW18, BC93, CGPS13b, GLS07, GPN96, HVP00, HVP05,
JD89, KS93, Kra08, dSOMY15, OR11, SG16, Vou06]. typeset [San95].
typing [FhDAF09]. Typography [AGS93a, AGS93b, AGS93c].

[ATX21]. Unambiguity [BK93a, BK93b, BK93c]. Unambiguous
[BKW92c, Pre99, CX20, SH85]. Unary [Huc21]. Unavoidability [Hei01].
Unbounded [Bre94a, Nil90]. uncertain [KC15]. uncovering [Edw07].
Undecidability [Hir96, KR95, Dow93, Leu97]. Understanding [LLS+20].
Unicode [Anoxx, Chi17, Dav99, Dav03, Dav04, Dav21, NK07]. Unification
[Kni89, Wal88, DRSS96, OND98]. Unified
[BY96, BGM19, CLST+13, Tar81b, AP13, DLF+15, GW92, Tak96a].
Uniform [Bre94a]. Uniform-Length [Bre94a]. Unifying
[Wo90, KMS+03, MZZ10]. Unique
[AKT20, ATX21, AG84, GHST17, HTX17, IKX15, Van06]. Unit [Les94].
Units [LLLC17, GÁSÁ+13]. Universal
[FK16, GL19, PS10, Sad96, CDDM05, Jon13]. University
[Ano97b, Hig95, Hwa85, PC99, HWF90]. UNIX
[Ano92a, G92, Qui92, Rob99, Fri97b, Hol84]. Unix-Like [Hol84].
Unordered [CGS17]. UnQL [BFS00]. unrestricted [Lei85, Leu97].
Update [FG98, FG95]. updates [Che08]. Upper
[CH97a, GG92, Les94, SASU13]. Urbana [Hwa85]. USA
[ACM06, AP10, Apo92, BGPN94, CG94b, FC98, KP15, SC04, SM09, SM11,
DGBH93, FM02, HF13, IEE09, KLB12]. Use
[IY02a, IY02b, CC97, WSS94, YIAS89]. used [Sch91]. Usefulness [CR91].
USENIX [USE92]. User [KMRY20]. User-Defined [KMRY20]. users
[BJK+12]. Using
[AGT89, BYCMW94, BCP02, Bow87, BK93e, BZ98, CvW18, CF85, CHP92,
CFM00, CW84, Cop91, Dav73, Far19, GHK+91, Gro92, GL68, GH82,
HEWK03, How97, JM85, KKK11, Kin89, LSW08, LY17, LLL08, LLLCC3,
MS98, Mar89, MUHT96, MPN+14, Mei15, Mu 95, MuT95, PAMP12, Rez92,
SBHM94, Sch95, STSA99, Spi99b, ST95, TMV+01, TB00, WZJH12, WBA83,
Yun12, ZGY+16, AG06, BSY00, BDB90, BGHZ15, BCD14, BBHK14,
BWG12, CADA18, CPW88, CP97, CEMW91, DA18, FL71, GS81a, GHS12,
GS06, HTK+21, HM00, HHL806, I08, JLBH92, JSH09, KKM+13, KT14,
KAT07, KST94, Kim09, KWLLO8, KJS17, KD15, KM13, KMM15, KST16,
Lab12, LS09, LTR0a, LMT16, MW92b, MLC08, Mun95, Mns05, NYuR15,
Neb06, NK07, OK94, PIR17, San15, SD91, SW93, SMS15, STKD20, SG16].
using
[Spi99a, TM05b, Val09, Vol12, Wri94, ZC89, ZMAB03, ZZH10, ZMSD93].
USL [DWE89]. Utah
[SC93, SC04, SM09, SM11, SC95, SC96, SC98, SC99, SC01, SC02, SC03, SM10].
Utilities [ASA17, IEE01c]. Utilizing [XK92, All82].
valid [SMS15]. validation [SMS15]. validator [dLFM07]. Valiente [Lab12].
Variables [FMMS20, KR95, MF96]. variance [AGW13]. variant [Neb06].
Variational [BCWG09]. various [KIH15]. VAX [Gre88].
Vector [BH02, CZW15, FTJ95, HEWK03, Mye98, SWY75, KAT07, Mye99, ZJL14].
Vectorization [MCP17, SALP20]. Vegas [ACM95c]. vehicle [BKLE18].
Verifiable [SV09]. Verification
[ASJDW18, EGP14, KP15, YPG21, SMT+86]. Verified [HL97, TN13, TN15].
[BJW+92, Kos94]. versus [ETV21, GMG12, PW06, TLS16]. Vertices
[MS+19]. Very [ABB93, AAC+01, AOV+99, B+02, CLP98, Gon83, NBY99c, PPA10, Sun90, DC94, ABB93].
VF [Kid09, YK11]. VF-Coding [Kid09].
Verifying [OR11, VLP17]. Version
[HJW+92, Kos94]. versus [ETV21, GMG12, PW06, TLS16]. Vertices
[MS+19]. Very [ABB93, AAC+01, AOV+99, B+02, CLP98, Gon83, NBY99c, PPA10, Sun90, DC94, ABB93].
VF [Kid09, YK11]. VF-Coding [Kid09].
Version
[BLP18, CLOZ04, DM11, BLLP90]. Weights [Nav04a]. Welding
[Mu 95, MuT95, Mun95]. Wellfounded [AP13]. West [Hig95]. WHAM
[LPT12]. Wheeler [Neu10, ABM08, DGG+19, ZMAB03]. where [Dow93].
Which [Gal76b, Gon02]. WI [FMA02]. wide [HFS05]. Wild
[Cox10a, BvdM17]. wildcard [HH16, LMNT16]. Wildcards
[GG95, GG97, GKP19, Zha17, DA18, Kas08a, Kas08b, LMRT14, ZHZ10].
window [HFS05, PW06]. Windows [FL12b, FG89]. Winter
[NEH90, USE92]. Wire [ZL18]. Wire-Speed [ZL18]. Wireless [DCM15].
Wisconsin [ACM81, IEE95a]. wise [MF96]. Within
[Wri94, BDFR08, PW93]. Within-word [Wri94]. without
[CDP14, CDP16, Zia96]. Witnesses [HN05, ALLT11]. Word
[BGG12, Gil85, Kül10, Lia84, Mus05, IIK08, II08, KGA+12, KR95, OND98, SNZBY00, Wri94, Zia96]. Word-oriented [Mus05]. Word-Size [BGG12].
Words [Bun95, JZAA19, Kuk92, BR09, LTV15, MZZ10, Nic03, SMDS94, TN13, TN15, ZHZ10]. work [IP96]. work-time [IP96]. worked [Cox12].
References


REFERENCES


Angles:2017:FMQ


Apers:2001:PTS


Amir:2009:ASM


Amir:1997:PMS


Amir:1997:IPM

Amir:2000:PMS


Auernheimer:1989:NNM


Ahmed:2009:PSP


Abbott:1977:DIY


Agrawal:1993:VLD


Abbott:1994:TT

Abbott:1996:X


Afek:2016:MDE


Amir:2004:TDP


Amir:1994:AIA


Amir:1994:OTD

REFERENCES


REFERENCES

Aho:1975:ESM


Agha:1993:AOD


Atallah:2001:RAA


Aldwairi:2005:CSM


Apostolico:2016:YST


ACM:1969:CRA


[ACM92a] ACM, editor. *Conference record of the Nineteenth Annual ACM SIGPLAN-SIGACT Symposium on Principles of Pro-
REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


465, June 2015. CODEN VLDBFR. ISSN 1066-8888 (print), 0949-877X (electronic).


[ACF98] Luca Aceto, Wan Fokkink, and Anna Ingólfsdóttir. On a question of A. Salomaa: The equational theory of regular expres-


Anselmo:2019:SPA


Andre:1993:ESIa


Andre:1993:ESIb


Andre:1993:PTI


Atallah:1996:PMI

REFERENCES


REFERENCES


[AK09a] Dror Aiger and Klara Kedem. Geometric pattern matching for
REFERENCES

Anand:2009:OCS

Andoni:2012:SCE

Akl:1978:CGM

Amir:2006:FTD

Abedin:2020:SSU

Akutsu:1994:ASM
Akutsu:1995:ASM


Amir:2001:CPM


Arenas:2008:XDE


Albert:1989:CMA


Alexander:1994:SCS

References

Allen:1982:FID


Amir:1997:PMH


Amir:2000:PMH


Amir:1998:ESCa


Amir:1998:ESCb

Amir:2007:DTS


Aumann:2011:FWP


Amir:2004:FAS


Amir:2008:PEC


Amir:1992:EPM


Aiken:1991:IRT

REFERENCES


Anonymous:1968:TCA


Anonymous:1987:ESC


Anonymous:1992:AU


Anonymous:1992:CPM


Anonymous:1996:JBP


Anonymous:1997:BRM


Anonymous:1997:BRP

REFERENCES


Anonymous:19xx:URE


Anonymous:2001:MLP


Anonymous:2010:BRL


Anonymous:2012:BRR


Anonymous:2017:ENS


Anonymous:20xx:PPC

REFERENCES


REFERENCES


REFERENCES


REFERENCES


Allen:2021:UFP


Aho:1972:TPT


Aho:1973:TPT


Arratia:1989:ERS


Angstadt:2016:RPP


Amer-Yahia:2002:TPQ

REFERENCES

(link.springer.de/link/service/journals/00778/papers/
2011004/20110315.pdf).


acm.org/pubs/citations/proceedings/stoc/167088/p71-baker/. ACM order no. 508930.


[BBG13] Guillaume Bagan, Angela Bonifati, and Benoit Groz. A tri-
chotomy for regular simple path queries on graphs. In Hull
and Fan [HF13], pages 261–272. ISBN 1-4503-2066-X, 1-4503-
2037-6. LCCN ????. URL http://dl.acm.org/citation.
cfm?id=2463664; http://www.sigmod.org/2013/.

[BBH+87] A. Blumer, J. Blumer, D. Haussler, R. McConnell, and
A. Ehrenfeucht. Complete inverted files for efficient text
retrieval and analysis. Journal of the Association for
Computing Machinery, 34(3):578–595, July 1987. CO-
DEN JACOAH. ISSN 0004-5411 (print), 1557-735X (elec-
0004-5411/28873.html.

[BBHK14] Anat Bremler-Barr, David Hay, and Yaron Koral. Com-
pactDFA: Scalable pattern matching using longest prefix
match solutions. IEEE/ACM Transactions on Networking, 22
(2):415–428, April 2014. CODEN IEANEP. ISSN 1063-6692
(print), 1558-2566 (electronic).

[BBK12] Anat Bremler-Barr and Yaron Koral. Accelerating multi-
pattern matching on compressed HTTP traffic. IEEE/ACM
Transactions on Networking, 20(3):970–983, June 2012. CO-
DEN IEANEP. ISSN 1063-6692 (print), 1558-2566 (elec-
tronic).

permutations. Lecture Notes in Computer Science, 709:200–
??, 1993. CODEN LNCSD9. ISSN 0020-0190 (print), 1872-
6119 (electronic).

[BBL98] Prosenjit Bose, Jonathan F. Buss, and Anna Lubiw. Pattern
matching for permutations. Information Processing Letters,
65(5):277–283, March 13, 1998. CODEN IFPLAT. ISSN 0020-
0190 (print), 1872-6119 (electronic).


Becchi:2013:DTS


Butman:2013:PMU


Barcaccia:1998:PMT


Bernardi:2014:DPD


Burcsi:2012:AJP


Baeten:2007:CRE

J. C. M. Baeten, F. Corradini, and C. A. Grabmayer. A characterization of regular expressions under bisimulation. *Journal*
REFERENCES


REFERENCES


REFERENCES

CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic).


REFERENCES


REFERENCES


REFERENCES


REFERENCES


[BGM13] Dany Breslauer, Roberto Grossi, and Filippo Mignosi. Simple real-time constant-space string matching. Theoret-
REFERENCES

Beedkar:2019:UFF

Banerjee:1994:LCP

Bex:2010:LDR

Bille:2012:SMV

Berkovich:1985:MSP
Simon Y. Berkovich and Abd El Fatah A. Hegazy. *Matching String Patterns in Large Textual Files*. IEEE Computer Society Press, 1109 Spring Street, Suite 300, Silver Spring,
REFERENCES

LCCN QA75.5 .I6351 1985. IEEE Service Cent. Piscataway, NJ, USA.


[BJK12] Lukas Blunschi, Claudio Jossen, Donald Kossmann, Magdalini Mori, and Kurt Stockinger. SODA: generating SQL


REFERENCES


REFERENCES


[BL16] Marie-Louise Bruner and Martin Lackner. A fast algorithm for permutation pattern matching based on alternating runs. *Al-
REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


[BSM+07] Simon Breslav, Karol Szerszen, Lee Markosian, Pascal Barla, and Joëlle Thollot. Dynamic 2D patterns for shading 3D


REFERENCES


REFERENCES


REFERENCES


[BYG92] Ricardo Baeza-Yates and Gaston H. Gonnet. A new approach to text searching. *Communications of the Association for Computing Machinery*, 35(10):74–82, October 1992. CODEN CACMA2. ISSN 0001-0782 (print), 1557-7317 (electronic). URL http://www.acm.org/pubs/toc/Abstracts/0001-0782/135243.html. This paper describes a new linear-time string search algorithm that can handle limited regular-expression pattern matching without backtracking. See also [KMP77], [BM77], [KR81a], [Sun90], and [WM92a].


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Corradini:1995:FAM


Corradini:1999:MNR


Calvanese:2008:CQC


Cochran:2015:PBP


Czerwinski:2017:DDD


Calvanese:1999:RRE


REFERENCES


[CFK07] Horatiu Cirstea, Germain Faure, and Claude Kirchner. A $\rho$-calculus of explicit constraint application. Higher-Order and
REFERENCES


REFERENCES


REFERENCES


[Chandramouli:2010:HPD] Badrish Chandramouli, Jonathan Goldstein, and David Maier. High-performance dynamic pattern matching over dis-


REFERENCES


Chan:2002:RTE


Chan:2003:RTE


Colazzo:2017:LTM


Cole:1992:TBE


Cole:1997:TUB

REFERENCES


REFERENCES

Chang:1993:SPMb


Chang:1993:SPMa


Chao:1994:CAS


Champarnaud:2001:ISI


Champarnaud:2002:ETI


Chauve:2002:TPMa


REFERENCES


REFERENCES

Chen:2013:PPP


Chen:2016:PPP


Champarnaud:2012:ARE


Clifford:2012:PMM

REFERENCES


2008. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).


REFERENCES


REFERENCES


**Consens:1995:AQT**


**Cormode:2007:SED**


**Cho:2008:IAB**


**Czerwinski:2017:OTP**


**Chandran:2008:IAO**


[CN21] Yangjun Chen and Hoang Hai Nguyen. On the string matching with $k$ differences in DNA databases. *Proceedings of the
REFERENCES


REFERENCES


Cox:2007:REM


Cox:2009:REM


Cox:2010:REM


Cox:2010:REP


Cox:2010:YD


Cox:2012:REM


Cox:2019:SSD

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Champarnaud:2001:CEA


Chen:2009:DPM


Calvo-Zaragoza:2017:CEE


Chen:2015:PMV


DAAndrea:1998:DEP


REFERENCES


January 1982. CODEN SPEXBL. ISSN 0038-0644 (print), 1097-024X (electronic).


Dubiner:1990:FTP


Dubiner:1994:FTP


Decaroli:2019:CIO


Durian:2010:IPE


Dijkstra:1976:PMP


Dijkstra:20xx:PMP

REFERENCES


REFERENCES

Deng:2015:UFA


daLuz:2007:RET


Deng:2012:TPM


Droste:2011:WAR


Dediu:2013:LAT

REFERENCES


[Dow93] Gilles Dowek. The undecidability of pattern matching in calculi where primitive recursive functions are representable.


Dixit:2019:FBD


Oliveira:2015:MRM


Das:1994:SAI


Dayal:1987:PAC


Duff:1982:CBS


Durand:1994:BSS

REFERENCES


Elseidy:2014:GFS


Eckel:1989:TSI


Edmiston:1988:PPB


Edwards:2007:NIA


Einwohner:1995:STI


ElDefrawy:2013:BDS


Esparza:2014:PBV

Javier Esparza, Pierre Ganty, and Tomáš Poch. Pattern-based verification for multithreaded programs. *ACM Transactions...*
REFERENCES

161


REFERENCES


many / Heidelberg, Germany / London, UK / etc., 1998. CO-
DEN LNCS/9. ISBN 3-540-64739-2 (paperback). ISSN 0302-
9743 (print), 1611-3349 (electronic). LCCN QA76.9.A43 C65
series/0558/tocs/t1448.htm; http://www.springerlink.
com/content/978-3-540-64739-3; http://www.springerlink.
com/openurl.asp?genre=issue&issn=0302-9743&volume=
1448.

Farach-Colton:2000:SCS
[FCFM00] Martin Farach-Colton, Paolo Ferragina, and S. Muthukr-
ishnan. On the sorting-complexity of suffix tree construc-
tion. Journal of the Association for Computing Machin-
ery, 47(6):987–1011, 2000. CODEN JACOAH. ISSN
0004-5411 (print), 1557-735X (electronic). URL http://
www.acm.org/pubs/citations/journals/jacm/2000-47-
6/p987-farach-colton/.

Farach-Colton:2007:OSS
[FCLST07] Martin Farach-Colton, Gad M. Landau, S. Cenk Sahin-
alp, and Dekel Tsur. Optimal spaced seeds for faster
approximate string matching. Journal of Computer and
System Sciences, 73(7):1035–1044, November 2007. CO-
DEN JCSS/MBM. ISSN 0022-0000 (print), 1090-2724 (elec-
article/pii/S0022000007000256.

Ficara:2011:DED
[FDG+11] Domenico Ficara, Andrea Di Pietro, Stefano Giordano, Greg-
gorio Procissi, Fabio Vitucci, and Gianni Antichi. Differential
encoding of DFAs for fast regular expression matching. IEEE/
CODEN IEANEP. ISSN 1063-6692 (print), 1585-2566 (elec-
tronic).

Fenwick:2001:FSM
[Fen01a] Peter Fenwick. Fast string matching for multiple searches.
Software — Practice and Experience, 31(9):815–833, July
25, 2001. CODEN SP/EBSL. ISSN 0038-0644 (print),
wiley.com/cgi-bin/abstract/78505028/START; http://
www3.interscience.wiley.com/cgi-bin/fulltext?ID=
78505028&PLACEBO=IE.pdf.
REFERENCES

Fenwick:2001:SPP

Furr:2008:CTS

Fan:2015:KG

Fiala:1989:DCF

Ferragina:1995:OLS

Ferragina:1998:OLS
REFERENCES


REFERENCES


REFERENCES


REFERENCES


[Fls98] Daniela Florescu, Alon Levy, and Dan Suciu. Query containment for conjunctive queries with regular expres-
REFERENCES

170

Fischetti:1993:CIP


Fischetti:1993:IPO


Fredriksson:2006:EPS


Franklin:2002:PAS


Ferragina:1999:MMD

REFERENCES


REFERENCES


REFERENCES


Freydenberger:2019:DRE


Feng:2015:RES


Farach:1995:SML


Farach:1998:SML


Fredriksson:2004:ESM


REFERENCES


Feijen:1990:BOB

Feng:2015:EQD

Fan:2012:PGD

Fan:2013:DTG

Fan:2013:IGP

Fang:2017:SPM


REFERENCES


REFERENCES

Gawrychowski:2013:OPM


Gonnet:1990:AKR


Garai:2001:CGA


Geffert:2003:TBR


Gelade:2010:SRE


Grabowski:2008:BPS

Szymon Grabowski and Kimmo Fredriksson. Bit-parallel string matching under Hamming distance in $O(n|m|w)$

[Grabowski:2011:SMI]


[Ganapathi:1982:RCC]


[Galil:1986:ISM]


[Galil:1992:ECS]

REFERENCES


[GGM12] Wouter Gelade, Marc Gyssens, and Wim Martens. Regular expressions with counting: Weak versus strong determin-


REFERENCES

CMSVAN. ISSN 0360-0300 (print), 1557-7341 (electronic). See [GFH82, WNL+83, Fra83, GHF83b].

---

**Ganapathi:1983:SFRb**


---

**Ghiron:1962:RMR**


---

**Gokhale:1991:BUH**


---

**Guo:2014:LSS**


---

**Gagie:2015:BJP**


---

**Grathwohl:2016:KCN**

Bjørn Bugge Grathwohl, Fritz Henglein, Ulrik Terp Rasmussen, Kristoffer Aalund Soholm, and Sebastian Paaske
REFERENCES


REFERENCES


REFERENCES

1973. CODEN CACMA2. ISSN 0001-0782 (print), 1557-7317 (electronic).


REFERENCES

Groz:2017:ETM

Giavitto:2002:PMR

Grozea:2012:SMI

Groz:2012:DRE

Golomshtok:2001:FTS
REFERENCES


[GOMSJGP08] César García-Osorio, Iñigo Mediavilla-Sáiz, Javier Jimeno-Visitación, and Nicolás García-Pedrajas. Teaching push-down


REFERENCES


Gemis:1993:OOP


Gasieniec:2001:TSE


Gasieniec:2003:TSE


Gronlund:2018:TDL


Gostanza:1996:NLP


Galil:2004:TDP

REFERENCES

Gasieniec:1995:CSS

Gasieniec:1995:ZMR

Gemis:1993:GGO

Garg:1992:CRE

Guglielmo:1996:NLR
REFERENCES


REFERENCES


Grossi:1991:NSI


Grosch:1992:TAT


Garofalakis:1999:SSP


Galil:1980:SSF


Galil:1981:LTS


Galil:1981:TSo

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

CODEN CACMA2. ISSN 0001-0782 (print), 1557-7317 (electronic).


Harrison:1971:IST


Harrington:1979:NSI


Harris:1997:SSP


Harada:2002:PMM


Harrusi:2010:FCP

REFERENCES


REFERENCES


REFERENCES


Huynh:2006:ASM


Haber:2013:ESE


Highnam:1986:OAF


Highland:1995:BRP


Hirshfeld:1996:ULE


Hasan:2017:PSA

REFERENCES

Henrich:1999:OQC


Hudak:1992:RPL


Housden:1977:CSP


Holzer:2011:CRL


Heil:2014:APH


Hanada:2014:ACL

[HKN14] Hiroyuki Hanada, Mineichi Kudo, and Atsuyoshi Nakamura. Average-case linear-time similar substring searching by the q-gram distance. Theoretical Computer Science, 530(??):23–41, April 17, 2014. CODEN TCSCDI. ISSN 0304-3975 (print),
REFERENCES


REFERENCES


REFERENCES


Howard:1996:LLC


Howard:1997:TIC


Hosoya:2001:REP


Hosoya:2003:REP


Huang:1994:PRA

Hung:2000:IVI


Hernandez:2003:DPD


Hammoud:2015:DDR


Hume:1991:FSS


Huang:2008:ESS


Hashiguchi:2004:ERB

REFERENCES


Hirvola:2017:BPA


Higuchi:2021:FLP


Hon:2017:PAE


Hopcroft:1979:IAT


Hopcroft:1992:EAF


Huang:1994:CDM

REFERENCES

CODEN LNCS29. ISSN 0020-0190 (print), 1872-6119 (electronic).


REFERENCES

Hooimeijer:2009:DPS


Hundt:2012:ETD


Hwang:1985:PSC


Henry:1990:UWI


Hashiguchi:2003:RBE


Han:2006:IFR

[HWW06] Yo-Sub Han, Yajun Wang, and Derick Wood. Infix-free regular expressions and languages. International Journal of Foun-
Han:2007:PFR

Han:2007:PFR


Hashiguchi:1990:ERE

Hashiguchi:1990:ERE


Hashiguchi:1992:TRS

Hashiguchi:1992:TRS


Hyyro:2008:IBP

Hyyro:2008:IBP


Hao:2013:TPP

Hao:2013:TPP


Aoe:1994:CAS

Aoe:1994:CAS

REFERENCES


R. W. Irving and C. B. Fraser. Maximal common subsequences and minimal common supersequences. *Lecture Notes*


REFERENCES

Ileri:2015:SYT

Isradisaikul:2013:REP

Iliopoulos:2001:MSA

Iliopoulos:2008:NAP

Iliopoulos:1997:CSF
REFERENCES


REFERENCES


Ilie:2002:CNOb


Jiang:2017:CSM


Jantzen:1985:ERE


Jayaraman:1992:SAL


Jouvelot:1989:RPM


Jedrzejowicz:1987:NSC

REFERENCES

CODEN IFPLAT. ISSN 0020-0190 (print), 1872-6119 (electronic).

Jez:2015:FFC

Jiang:2012:SPM

Jagadish:2000:ODM

Jiang:1993:OWH

Jiang:1996:OWH
REFERENCES


[JNS08] Christopher Judd, Joseph Faisal Nusairat, and James Shingler. *Beginning Groovy and Grails: from Novice to Profes-
REFERENCES


REFERENCES

http://comjnl.oxfordjournals.org/content/33/2/133.
full.pdf+html; http://www3.oup.co.uk/computer_journal/
hdb/Volume_33/Issue_02/tiff/133.tif; http://www3.
oup.co.uk/computer_journal/hdb/Volume_33/Issue_02/
tiff/134.tif; http://www3.oup.co.uk/computer_journal/
hdb/Volume_33/Issue_02/tiff/135.tif; http://www3.
oup.co.uk/computer_journal/hdb/Volume_33/Issue_02/
tiff/136.tif; http://www3.oup.co.uk/computer_journal/
hdb/Volume_33/Issue_02/tiff/137.tif; http://www3.
oup.co.uk/computer_journal/hdb/Volume_33/Issue_02/
tiff/138.tif; http://www3.oup.co.uk/computer_journal/
hdb/Volume_33/Issue_02/tiff/139.tif.


REFERENCES

1523-2867 (print), 1558-1160 (electronic). ICFP ’11 conference proceedings.


REFERENCES


[Kah06] Peter Kahrel. *Automating InDesign with regular expressions*. O’Reilly & Associates, Sebastopol, CA, USA, and Cambridge,
Kim:2017:RTO


Kaplan:1969:REE


Karpinski:1982:DSM


Kastrup:2008:MLP


Kastrup:2008:PML


Khan:2007:NID

[KAT07] Latifur Khan, Mamoun Awad, and Bhavani Thuraisingham. A new intrusion detection system using support vector machines and hierarchical clustering. *VLDB Journal: Very Large
Krebber:2018:PMP


Krishnapuram:1987:HST


Kyatkin:1999:PMC


Knessl:2011:EAF


Khan:2015:UGM


REFERENCES


REFERENCES

ISSN 2150-8097.


Kim:1999:NSP


King:1989:UNN


Kinber:1991:CSS


Kinber:1992:LCR


Kitani:1994:MID


KJS17


REFERENCES


[KKSL01] Harksoo Kim, Kyungsun Kim, Jungyun Seo, and Gary Geunibae Lee. A fast and reliable question-answering system


**[KM92]** James R. Knight and Eugene W. Myers. Approximate regular expression pattern matching with concave gap penalties. *Le-
Kilpelainen:1994:QPT


Knight:1995:ARE


Knight:1995:SPM


Kouzinopoulos:2013:EOT


Kouzinopoulos:2015:MSM


Kristensen:1985:APF

REFERENCES


REFERENCES

Katoen:2000:PMA


Krauss:2012:PPR


Klabnik:2017:RPL


Klabnik:2019:RPL


Knight:1989:UMS


Kuri:2000:PMB

REFERENCES 249


REFERENCES

Kodratoff:1979:CFS


Kakeshita:1994:FCS


Kornman:1983:PMP


Kosaraju:1989:ETP


Kosaraju:1994:RTP


Kebler:1993:APP


REFERENCES


REFERENCES


REFERENCES

CODEN ALGOEJ. ISSN 0178-4617 (print), 1432-0541 (electronic).

Klarlund:1993:GT


Kececioglu:1994:EBO


Kontoyiannis:1996:SEE


Kim:1999:ASP


Klein:2001:PMH

Klein:2005:CPM

Klein:2006:CPM

Kasneci:2007:CRA

Karakoidas:2008:FJO

Kimelfeld:2011:FMT

Klein:2011:SDM

Karkkainen:2012:CPM
Klein:2012:SDM


Kim:2015:TSI


Kim:1992:ASM


Kim:1994:FSM


Kurz:2012:CLI

REFERENCES

Kucherov:2016:ASM

Karachalias:2015:GMT

Kamel:1993:SRH

Kuo:1990:NSC

Kaminski:2006:REL

Keil:2014:EDA
REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES 267


REFERENCES

1104–1116, August 2013. CODEN IEANEP. ISSN 1063-6692 (print), 1558-2566 (electronic).


REFERENCES


REFERENCES


**Lenka:2006:SML**


**Lee:2002:EPM**


**Lee:2003:HOO**


**Lin:2017:LBH**


**Lin:2013:APM**


**LeBlond:2012:CPB**

[Stevens Le Blond, Fabrice Le Fessant, and Erwan Le Merrer. Choosing partners based on availability in P2P networks. *ACM Transactions on Autonomous and Adaptive Syst-
Lu:2013:NFM


Lin:2017:PHB


Lin:2008:USM


Lee:2020:YCA


Lu:2015:BQA

REFERENCES


[Li:2001:IQX]


[Liu:2002:JIA]


[Losemann:2012:CEP]


[Losemann:2013:CRE]


[Lancia:2017:SSS]


[Leonardi:2007:OSR]

[LMMN07] Emilio Leonardi, Marco Mellia, Marco Ajmone Marsan, and Fabio Neri. Optimal scheduling and routing for maximum net-

**Losemann:2016:CPD**


**Lewenstein:2016:DRO**


**Lewenstein:2014:LSI**


**Liu:2016:PCU**


**Libkin:2016:QGD**

REFERENCES


REFERENCES


[Libkin:2013:TRA] Leonid Libkin, Juan Reutter, and Domagoj Vrgoc. Trial for RDF: adapting graph query languages for RDF data. In Hull
REFERENCES


Luczkak:1994:LDC


Laird:1999:REN


Laird:2006:RER


Linhart:2009:FPM


Libkin:2010:DPM

Lee:2017:SRE


Lee:2017:DPD


Litvak:2008:PRB


Lam:2008:IAS


Lins:1990:ISU


Liu:1990:COR


REFERENCES


REFERENCES

Landau:1988:FSM


Landau:1989:FPS


Landau:1994:PMD


Lewenstein:2006:CPM


Landau:1987:ESM

REFERENCES

Li:2016:RDT

Li:1986:SMC

Lee:2017:FPM

Leonard:2008:SDP

Lucarella:1996:VRE

Li:2018:FWI
Li:1998:HRE


Moraru:2012:EPM


Maass:2006:MSE


Ma:2014:TAC


Maddock:2001:REC


Maes:1990:CSS


Maeder:1994:MPL

REFERENCES


REFERENCES

CODEN IFPLAT. ISSN 0020-0190 (print), 1872-6119 (electronic).

Manber:1994:TCS


Manber:1997:TCS


Mann:2006:TBG


Marola:1989:USD


Maranget:2007:WPM


Matos:1994:PSI

REFERENCES


REFERENCES

Moreira:2017:FCR


Might:2010:YD


Margaritis:1997:VPA


Meir:2008:CCL


Meister:2015:USD


Melichar:1995:ASM


Meyer:1985:ISM

REFERENCES


REFERENCES

Manole:2014:PSP

Mhashi:2005:EMR

Marschall:2012:PAA

Mitarai:2001:CPM

Matsumoto:2009:RTE

Mori:2007:PID
[Yuki Mori and Takeo Igarashi. Plushie: an interactive design system for plush toys. ACM Transactions on Graphics, 26(3):]
REFERENCES


Middendorf:1996:TDP

Middendorf:1998:SCS

Mitani:2017:PEA

Mischel:1989:WAL

Misra:2003:DPS

Mahajan:1990:EPI
REFERENCES


REFERENCES


Michailidis:2002:PSL


Michailidis:2003:PEL


Michailidis:2007:PAP


Mateescu:2011:CEC


Medeiros:2014:RPE

Mytkowicz:2014:DPF

Mandreoli:2010:PHS

Martens:2012:DAX

Martens:2007:SSA

Martens:2010:CDP

Makinen:2005:TIS
REFERENCES


[Mor90] Joseph M. Morris. Programming by expression refinement: the KMP algorithm. In Feijen et al. [FvGGM90], chapter 37,


REFERENCES


Meysman:2019:MES


Mignot:2017:TAC


Mohanty:2014:SOS


MuQqoz:1995:MTW


Makinen:2002:LSB

REFERENCES


REFERENCES


REFERENCES


**Myers:1995:AMC**


**Myers:1998:FBV**


**Myers:1999:FBV**


**Ma:2007:CPM**


**Mozafari:2010:REN**


REFERENCES

Navarro:2004:PM

Navarro:1999:FMD

Navarro:1999:NIM

Navarro:1999:VFS

Navarro:2001:IAA

Neraud:1992:SMI
J. Neraud and M. Crochemore. A string matching interpretation of the equation \(x^m y^n = z^p\). *Theoretical Computer Sci-
Navarro:2006:MIA


Ni:2014:HCD


Nordio:2010:IQE


Nedjah:2002:PMC


Nedjah:2002:ECD


Nedjah:2002:OAP


REFERENCES


[NR00] Gonzalo Navarro and Mathieu Raffinot. Fast and flexible string matching by combining bit-parallelism and suffix au-

**Navarro:2001:CDR**


**Navarro:2002:FPM**


**Navarro:2003:FSC**


**Navarro:2004:NTR**

REFERENCES


Owolabi:1988:FAS


Otto:1998:EUW


Ordyniak:2016:PSM


Ophel:1989:IMR


Ong:2011:VHO


Oh:2012:MTS


Scott Owens, John Reppy, and Aaron Turon. Regular-expression derivatives reexamined. Report, University of Cambridge and University of Chicago and Northeastern University, Cambridge, UK; Chicago, IL, USA; Boston, MA, USA, August 12, 2008. 18 pp. URL http://www.ccs.neu.edu/home/turon/re-deriv.pdf.


Cengiz Orencik, Ayse Selcuk, Erkay Savas, and Murat Kantarcioğlu. Multi-keyword search over encrypted data


REFERENCES

CODEN SFENDP. ISSN 0163-5948 (print), 1943-5843 (electronic).


REFERENCES

Prasad:1994:EEP


Pajares:1998:PRL


Peleg:1987:CPS


Perleberg:1994:SCS


Pettersson:1992:TPM


Petersen:1994:RSM


Petersen:1995:RPB

REFERENCES

(Petersen:2002:MPR)


(Pet02)


(Peacocke:1990:ISS)


(Phillips:1994:ASM)


(Pan:2019:ARR)


(Pientka:2008:TTF)

Pike:1987:TES


Pike:2000:TES


Park:2017:PSS


Penna:2003:SRE


Pramanik:1985:HPM

REFERENCES


Jan Paredaens, Jan Van den Bussche, Marc Andries, Marc Gemis, Marc Gyssens, Inge Thyssens, Dirk Van Gucht, Vijay Sarathy, and Lawrence Saxton. An overview of GOOD. *SIGMOD Record (ACM Special Interest Group on Management*


[QQC+13] Miao Qiao, Lu Qin, Hong Cheng, Jeffrey Xu Yu, and Wentao Tian. Top-k nearest keyword search on large graphs. *Proceed-
ings of the VLDB Endowment, 6(10):901–912, August 2013. CODEN ????? ISSN 2150-8097.


REFERENCES


REFERENCES

http://www.wkap.nl/oasis.htm/144236.


[Rauchwerger:1995:LTS] Lawrence Rauchwerger and David Padua. The LRPD test: speculative run-time parallelization of loops with pri-

**Rodeh:1981:LAD**


**Ramesh:1990:PTP**


**Ramesh:1992:NPM**


**Rabin:1959:FAT**


**Regnier:1998:CSP**


Sarma:2013:ULB


Sun:2009:DPP


Samadani:2019:SPM


Salter:1980:CLC


Sakakibara:1994:RMR


Stallmann:2007:PAE


REFERENCES


REFERENCES

Storer:2003:DPD

Storer:2004:DCC

Storer:2005:DCC

Scarpazza:2011:TPT
References


Salehi:2017:RSR


Sanchez-Cousso:1994:ACA


Schilit:1981:SGB


Schnoebelen:1988:RCP


Schneier:1991:OWH

[Sch91] Bruce Schneier. One-way hash functions: Probabilistic algorithms can be used for general-purpose pattern matching. Dr. Dobb’s Journal of Software Tools, 16(9):148–151, September 1, 1991. CODEN DDJOEB. ISSN 1044-789X.

Schulzrinne:1995:DCC


REFERENCES


REFERENCES


[SGCW14] Chunyao Song, Tingjian Ge, Cindy Chen, and Jie Wang. Event pattern matching over graph streams. *Proceedings of


REFERENCES


References

70–74, October 1977. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Simon:1983:PMT


Simon:1994:SMA


Sadoghi:2013:AOB


Sudo:2019:SWM


Shibata:2000:SPM


Skiena:1998:ADM

Steven S. Skiena. *The Algorithm Design Manual*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London,


REFERENCES


Shannon:1956:AS


Shannon:1974:STA


Sperberg-McQueen:1999:SRE


Stubblebine:2004:SHD


Storer:2009:DPD

REFERENCES

Storer:2010:DPD


Storer:2011:DDC


Sahinalp:2004:CPM


Siromoney:1994:ILW


**Syme:2007:EPM**


**Snow:2001:IAL**


**SilvadeMoura:2000:FFW**


**Sommerville:1982:PMS**


**Soufi:1999:TSR**


**Sapirstein:2016:PMA**

Spencer:1985:REP


Schwartz:2008:LP


Spinellis:1999:DPO


Spinellis:1999:TCD


Sitaridi:2016:GAS


Sridhar:1988:CBG

REFERENCES


REFERENCES


Sklar:2003:PC


Sutinen:2004:ASM


Sulzmann:2019:DPD


Statman:1989:SSC


Stephen:1994:SSA


Salmela:2006:MSM


Salmela:2010:ABM

[STK10] Leena Salmela, Jorma Tarhio, and Petri Kalsi. Approximate Boyer–Moore string matching for small alphabets. *Al-
Shetiya:2020:AAS


Stonebraker:1992:PAS


Stojmenovic:1996:CTB


Stomp:2002:CSP


Shibata:1999:PMT

REFERENCES


Schwerdfeger:2009:VCD


Saarikivi:2017:FEC


Sagot:1997:MSC


Saxton:1990:FGA


Schwartz:1993:DSI


Snodgrass:1994:PAS

REFERENCES


REFERENCES


Takaoka:1986:LPM


Takeda:1993:FMA


Takaoka:1994:APM


Takahashi:1996:UCN


Takaoka:1996:LRP


Tanaka:2014:IEE


REFERENCES


Thompson:1968:PTR


Thomas:1981:RSH


Takahashi:1990:SCM


Toda:1983:TDP


Tang:2017:RDS


Travnicek:2020:MBM

REFERENCES


REFERENCES


Tata:2007:ESTa


Tata:2007:ESTb


Tateishi:2013:PIS


Tan:2005:HTS


Toyoda:2013:PDD


Tharp:1982:PTS

REFERENCES


REFERENCES


Ukkonen:1993:ASMa


Ukkonen:2010:GPP


Umali:1997:BRM


USENIX:1992:PWU


Ukkonen:1993:ASMb


Valiente:2009:CPM


Vansumeren:2006:TIU

Stijn Vansumeren. Type inference for unique pattern matching. *ACM Transactions on Programming Languages and Sys-


REFERENCES


REFERENCES

Vialette:2004:CCI

[Via04] Stéphane Vialette. On the computational complexity of 2-
interval pattern matching problems. *Theoretical Computer
SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic).

Vineberg:1977:ICSa

[Vin77a] Maniel Vineberg. Implementation of character string pattern
matching on a multiprocessor. *ACM SIGARCH Computer
ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

Vineberg:1977:ICSb

[Vin77b] Maniel Vineberg. Implementation of character string pattern
matching on a multiprocessor. *SIGMOD Record (ACM Spe-
cial Interest Group on Management of Data)*, 9(2):1–7, May
1977. CODEN SRECD8. ISSN 0163-5808 (print), 1943-5835
(electronic).

Vishkin:1990:DSN

[Vis90] U. Vishkin. Deterministic sampling — a new technique
for fast pattern matching. In ACM [ACM90b], pages
URL http://www.acm.org/pubs/citations/proceedings/
stoc/100216/p170-vishkin/. ACM order no. 508900.

Vishkin:1991:DSN

[Vis91] Uzi Vishkin. Deterministic sampling — a new technique for
22–40, February 1991. CODEN SMJCAT. ISSN 0097-5397
(print), 1095-7111 (electronic).

Visser:1999:SPM

[Vis99] Eelco Visser. Strategic pattern matching. *Lecture Notes in
Computer Science*, 1631:30–??, 1999. CODEN LNCSD9. ISSN
springer-ny.com/link/service/series/0558/bibs/1631/
16310030.htm; http://link.springer-ny.com/link/service/
Vazou:2017:TTP


Veannes:2015:DPS


vanNoord:2001:ERE


Volanschi:2012:PMM


Vouillon:2006:PRT


Vilares:2001:AVP


REFERENCES


REFERENCES


REFERENCES

CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).


REFERENCES


[Wang:2013:RPM]


[Wang:2017:GSM]


[Winkowski:1978:MFC]


[Wolinski:2009:ADA]

[WL15a] Sebastian Wandelt and Ulf Leser. MRCSI: compressing and searching string collections with multiple references. *Proceed-
REFERENCES

ings of the VLDB Endowment, 8(5):461–472, January 2015. CODEN ???. ISSN 2150-8097.


REFERENCES

Watanabe:1990:IPI


Wulf:1983:SFR


Wolberg:1986:SOF


Alden H. Wright. Approximate string matching using within-word parallelism. *Software — Practice and Experience*, 24


REFERENCES


[XZL+19] Zifeng Xu, Fucai Zhou, Yuxi Li, Jian Xu, and Qiang Wang. Privacy-preserving subgraph matching protocol for two par-


Yu:2015:EEA


Yasuda:1989:PAM


You:1984:PES


Yoshida:2011:PCP


Yang:2011:FME


Yodaiken:1991:MFC

Yang:2012:HPC


Yang:2013:RSS


Yaman:2021:QVS


Yang:2016:NFI


Yeh:2003:CMS


Yun:2012:ETB

REFERENCES


Lei Zou, Lei Chen, and M. Tamer Özsu. Distance-join: pattern match query in a large graph database. Proceedings of
Zou:2012:APM


Zhai:2012:MML


Zhang:2014:EPS


Zobel:1995:FAM


Zhang:2018:PMO


Zeilberger:2008:FHO

REFERENCES

392

Zaki:1985:PSA


Zheng:2015:ESS


Zhu:2016:BAC


Zhang:2007:SSS


Zhang:2017:FCP


Zhou:2012:PSG

REFERENCES

Ziadi:1996:REL


Zhou:2014:TCS


Zhu:2012:GFE


Zhang:2007:MPP


Zha:2018:CRC


Zheng:2011:SPM


REFERENCES


[ZYQ+15] Zhiwei Zhang, Jeffrey Xu Yu, Lu Qin, Lijun Chang, and Xuemin Lin. I/O efficient: computing SCCs in massive
Zub:2012:GBN


Zeng:2012:CSB


Zhang:2010:PMW


Zhang:2016:CRA


Zhu:2020:DBA