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

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10 November 2017
Version 1.125

Title word cross-reference

(l, d) [Tan14]. 1 [Mun07]. 2 [ASG99, BSM+07, BZ98, CR95b, KPR97, 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]. $n [Rob79]. d [CGK08, CDEK95, dRL95]. $\delta
[CIL+03]. $ [HM98, Lif03]. K $[COZ09, ALP04, FWW13a, FGKU15, GG86,
GU16, GGF13, Gra15, GL89, JL93, KVX12, NYuR15, NR17, WD99]. L$_1$
[LP08, LP11]. L$_2$ [LP11]. L$_\infty$ [LP11]. L$_p$ [WC14]. $\mu$ [DJ96]. $N$
\[ O(\text{mod} T \text{ mod } 3^r) \]

\[ O(\log \log n) [BG90]. \]

\[ O(n \log^2(n)) [HM98]. \]

\[ O(n \log^3 m) [CH97b]. \]

\[ O(s^2) [CZ01]. \]

\[ r [Pol13]. \rho [CFK07]. \]

\[ x^m y^n = z^p [NC92]. \]


/.NET [AS04, SM04, Stu07].

/ [Bao93, IEE94b, SW94].

'08 [ACM08].

\[ 3 \text{.0} [BWN08]. \]

\[ 30th [IEE89]. \]

\[ 31st [IEE90, KLB12]. \]

\[ 32 [Gro91a]. \]

\[ 33rd [IEE92]. \]

\[ 34th [IEE93]. \]

\[ 36th [IEE95a]. \]

\[ 38th [IEE97]. \]

\[ 39th [IEE98]. \]

40th [ACM08]. 4th [Apo93].

\[ 5 [B^*05]. \]

\[ 50th [IEE09]. \]

\[ 5PM [BEM^*12, BEM^*13]. \]

\[ 5th [CG94b]. \]

\[ 6 [IEE01a, IEE01d, IEE01c]. \]

\[ 68 [HK77]. \]

\[ 6th [BGNP94, GU95]. \]
algorithm”, [Alb89]. Algorithmic

Algorithms [ABBH+16]. Algorithms [ACM97b, AHU74, ALR08, iA94, ADLM96, BY96, BLP94, BS97, BH02, BJM79, BCFL12, CL92, CHL14, Chu95, CHZ06, CLR90, CR92, CCG+94, DB86, FL12b, Gal76b, GG97, GS85, GIG77, GKL86, Gus97, Hig86, HSTS01, ISNH94, JU96, KKP16, KPT08, KPT09, KP99a, Kha16, KMT+10, Lab12, Lee95, LLLL17, LT16, LS94, Lut02, MP05, Mut97, Ott94, Par96, Pol13, R98, SV94, SN92, Sed83, Sed90, Sim94, Tar81a, VGH01, YD95, ZZ12, de82, ALP04, AG97, ADLM01, ARS16, BYYF96, BKK03, Bar84, CMO+08, CDDM05, CLT07, CWZ10, CCG+93, CT96, CR94, CL96, DC94, ECSS88, Gal75, Gal76a, Gal84, GG13, HTX17, Ind98b, JUV91, KN00, Lec07, MAC14, MW92b, Mha05, MM07, MR13, MR02, Par98, PDC94, QLY07, Sal12, Sch91a, Sch91b, SZ05, Tan14, Val09].

alignmentwithdrawal

Aligned [LSTW+17, SN94].


[AFM94, ABF94a, CR95b, KR94, KRR17, TP97, AF98, AGM05, GP92].

Alphabet-independent [CR95b, CR94, GP92].

Alphabets [Bre94a, CLP98, Fre02, KT06, KST12, STK10, Cro92b, Fre03, YHV+15].


ambiguous [NdMM02a]. American [NEH90]. Analyses [WHZ+17].

Analysing [HH93a, HH93b]. Analysis

[AHU74, AJ92, BBH+87, FO76, GGY90a, KR92, Les95, Liu88, LS94, Par96, Par98, S13, SCF94, Sca11, SWZ01, WCW82, Yan95, DSv94, GLS07, GGY90b, HV93, MAC14, MP09, MLM+08, NA90, SW93, TPT13]. Analyst [VZ97]. analytical [Bar84]. analyze [CFM00]. analyzer [ZGE85].

Analyzing [HSTS01, MNNS12]. ands [Edw07]. animate [BYF96].

annotated [GGN96, RH81]. annotation [YCJ08]. Annual

[ACM81, ACM87, ACM92a, ACM93a, ACM97b, ACM00, ACM08, AP10, AH97, AT02, FC98, FL08, FJ92, GM11, HM96, IEE90, IEE92, IEE93, IEE95a, IEE97, IEE98, IEE09, KS12a, KU99, Len33, LV06, MZ07, NE90, ACM74, ACM76, ACM84, ACM86, ACM89, ACM90b, ACM91, ACM92d, ACM93b, ACM94d, ACM95c, ACM97c, ACM99b, AL01, Apo92, Apo93, ACP05, BYCC03, CG94b, DT87, GU95, GS00, IEE89, IEE95b, PC99, SMD04].
Answer [KKSL01, ADT15]. Answering [KKSL01, ZCOZ12, AL08, CDL08, CKC07]. Answers [Ano92a].
Antidictionaries [STSA99]. Antisymmetric [Gil70]. Antonio [IEE94b].
\textcolor{red}{anti} [Joh01]. any [PW93]. Apostolico [Ano97b]. Application [GPP04, GT90, Hud89, IK83, MKF91, MGW14, NA90, WKA94, Aki78, CFK07, Fat15, Lao06, Man76, MW94, MM03, SHS14, TIAY90, WKR09, dLFM07].
application-database [SHS14]. application-specific [WKR09].
Applications [BM00, Brz62, CL94, Gia93, GV05, HSTS01, Hui92, IEE94b, CK92, CKP92, RTO15, SR16, SW01, VHL+12, WYA+07]. Applied [DGBH93, PDL08, DGBH93].
Applying [AK08, SDM01]. Approach [ABF94a, CFM17, CCH09, Cox09, DC94, FKRV15, FL12b, IMS08, KTS99, LP13, Lut02, NR98, NR99b, RM98, Sla93, Tar81b, B+05, BYC92, BSTU08, FMdB99, GPR95b, G92, Goo95, HLN09, LKB08, Mus03, dSOMY15, PP85, SV97, SD91, S893].
Approaches [BM08, vNG01, FMBA05, MR13]. Approximate [Aku94, Aku95, AK+09, AEK+11, ACD01, BYP92, BYN96, BYN97, BYN98, BYN99, BCP02, BH02, BM00, BK93d, Bn95, CCM91, CL90, CL92, CM94, CL94, CCH09, CN02, CH02, CIM+02, EMC96, FNU02, Fre06, Fu96, GP00, GIMV03, GGF13, HS00, HLS06, HM00, HNL05, IMP01, JU96, KM92, KM95a, KST16, LSW08, LH03, LP11, LW+15, MW92a, MW92b, Me95, MM02, MIH17, MM89, Mye98, MGO98, Nav98, NBY99a, NBY99b, NBY01, Nav04a, OM88, PDM01, Par96, PW95, Phi94, PP90, Sad96, STK10, ST95, ST96b, ST04, Tak94, TU93, Ukk92, Ukk93, UW93, VRD01, WR94, WM92b, WMM95, ZMAB03, van14, AGW13, BPR96, BLPL92, BFG09, CRV06, DLF+15, DC94, FN04, HLS+11, HTX17, HFN05, Huy08, JU91, KST92, KWL07, KNT11]. approximated [PW93]. Approximately [Coh94, Mye95]. Approximating [TY97]. Approximation [ADLM96, ADLM01, BLP94, CM08, KR95, KWL07, TU88]. April [ACM74, ACM84, ACM90a, AGS93d, Apo92, SC93, SC96, SC98, SC02]. Arabic [Ku11, Mus03, Mus05, ZA87]. arbiters [SMT+86]. Arbitrary [Nav04a, YH92]. arc [GGN06]. arc-annotated [GGN06]. Architectural [CL90, IS90]. Architecture [BTC06, CG87, CF85, HKL+14, LCHH3, Lee09, TS05, YP12, FKS06, KRL87, MM07, ZV97]. Architectures [TVCM12]. Arden [LHCH93]. area [SV87]. Ariel [Han92]. Arithmetic [Hwa85, MHKR12, MP88]. Arizona [Apo92, ACM97a]. Array [CPW88, GHK+91, LK90, WBA83, DK13, ME97, MM07, LK88]. Arrays [AOK02, ABM08, GV05, Neu10, Bk78, CR91, DSv94, GV00, HHL06]. arrivals [SW201]. Art [DGBH93]. Artificial [IEE94b, ZGY+16]. ASCII [Pol01]. Asia [IEE94a]. Asia-Pacific [IEE94a]. Asilomar [CG94b]. Aspects [FJ92]. Assembly [MW92b, Sno01, FL71]. assertional [PS90].


Captions [GR96]. Capturing [MCF+11]. Car [KK02].
Care [Aku94, Aku95]. Cares [BL94, KR97, MBY91, NR17]. Carolina
[ACM93a, IEE89]. Carte [TL12]. Cascaded [GC01]. CASCON [BGG+94].
Case [CCL87, FTJ95, Gal79, JM85, PV91, Shi92, Duf82, Fen01b, GF08,
HKN14, KT90, Quo92, SCFC94, SKS96]. Cases
[ALLL98a, ALLL98b, BAC06]. Categorical [LT90a, TG96]. Categories
[ACM89, Bao93]. Centric [TLC15]. CGI [Han01]. CGOOD [TG96]. Chain
[MNS10, LBK08, SM+86]. Chalmers [AJ89a, AJ89b]. change [Joh94a].
Chaos [ZGY+16]. Character [CLP95, Dav73, HZ13, HH93a, HK77,
TMK+02, Wo86, CT96, HH93b, Per94, Vin77a, Vin77b]. Characterisation
[KST12]. Characteristic [ISNH94]. Characteristics [HH83].
Characterization [HEWK03, BCG07, IMS97, VW11]. Characters
[ACM93a]. Chart
[Mu 95, MuT95, Mun95]. Charts [GM02]. Checking
[FF08, Gin67, HN00, MW94, NR012]. Chemical [Les79]. Chicago
[ACM06]. China [ACM07, B*02]. Chinese [GWvG01, GH82, HZ13]. chip
Chord [YJ84]. Chromosome [KS94]. Church [KKM+85]. Circuit [PM78].
Circuits [Brz64a, Brz65, FU82]. Circular [CHL14, LA12, Boo80]. cites
[Joh01]. Class
[EU98, Kin92, Kul11, SA96, Sch13, BAC06, CRV06, Kod79, Pie08, Wal89].
classes [Lei85]. Classic [HSTS01, RB05, MAC14]. Classification
[Bon07, Lee91, WZJH12, LMT16, TZH+13]. Clients [CDM11]. clone
[LM16, AS85, Jed87, Lee82, LH03]. Cloud [CFM17, CDM11]. clouds
[SCF+17]. cluster [MM03]. Clustering [LSTW+17, KAT07]. Coconut
[AK09b]. Code [AGT89, Cox12, Fra83, GH82, GHF83a, GHF83b, Gie90,
ND02, RTO2b, SED14, VSM87, WHZ+17, WNL+83, AG06, BDB90, CLS95,
FHP92, Gan89a, GH82, HN93, MSRR00, NR08, OV07]. code-generator
[FHP92]. Coded [BG95, Chn95, BC95]. Coder [MP88]. Codes
[YK11, Bra90, Mei08]. Coding
[CW84, Dav73, JSC83, Kid90, Ind97, MP88, Shi97]. Cognitive [PW06].
cohabit [Wad87]. coinductive [HN11]. Collage
[IST05, KMT*01, KMS*03]. collections
[BC13a, CHLS07, CMRV10, HL02, WL15a]. Colony [ACM83]. Color
[Hui92]. Columbus [ACM92d, ACM08, MG94]. Com [Lia84]. Com-pu-ter
[Lia84]. Combating [KEG*08]. combinator [Sta89]. Combinatorial
[Ano17, BM08, Cro92a, GIMV03, Mei08, SLTB+06, Val90, WCM*94a,
WCM*94b]. CDDM05, HLN09, AL01, AP10, Ano92b, Apo92, Apo93, AH97,
AT02, ACP05, BYCC03, CG94b, FC98, FL08, GU95, GS00, GM11, HM96,
KS12a, KU09, LV06, MZ07, PC99, SMD04, Lab12]. combinatoria
[LT90a]. Combining [Ber00, HBRV10, NR00]. command [Bhu08]. Comments
[Akl78, ZZ12, Gro91a]. Common [Ale94, IF94, DK13, FGKU15, Gra15,
Maa06, Mid98, TU88, Mu 95, MuT95, Mun95]. Commonwealth [ACM89].

Communication [Bao93, HSL10]. Commutative [Eke95, HY92]. Compact
Asp12, HAR10, NR01, Ric79, YP12, ZZH16, BFC08]. CompactDFA
BBHK14]. Comparative [JM85, PSK08]. Comparator [Bur84, Bur82].
Comparing [Hua94]. Comparison [BCT98, JTU96, Lav91, de 82, Bar84,
BCT93, CT96, ECSS88, FBMA05, SVS97]. Comparisons
[Bre93, CL92, GPR95a, Lin86, Bre96, PW06]. Compatible [LT09].
Compilation [FU82, KTU87, Ses96, AP90, Dan91, KGP+05, Sch88].
Compiler [AJ89b, GHH82, Pet92, vNG01, AJ89a, FKS806, HWF90, Jør92].
compiler.kit [Abb77]. compilers [BGNP94]. Compiling
[AU72, AU73, PS93b, Sch99, GHR+16]. Complement [GN12, Rob79].
Complete [Ano68, BBH+87, Pet02, Kin91]. completeness [TCC91].
Complex [Gor00, LR14]. Complexity [ABBH+16, BKL97, BDFW94, BCT94, BCT98, Col94a, CHPZ95, CH97a, EZ74, GG91,
GG92, GKH86, GH15, Hei01, HK11, HSTS01, KLH16, MNS10, Mor83, RS98,
Akl78, Alb89, AK12, CGK08, CH92, CGG90, FCFM00, FK96, KOS7, LM12,
LM13, LNM16, Mag81, Man76, NF04, PS89, PAG09, Sal12, Via04, Yao79].

components [CFM00]. Composite [XK92]. composition [SV09].
Comprehension [BLS+94]. Compress [GH82]. Compressed
[BR09, BA16, BKL97, CHLS07, CLS+10, CHP92, FT98, FV16, FT04, GP01,
GP03, Gaw12, Gaw13, GV00, GV05, IST05, KTS99, Kid09, KS05, KS06,
LSW08, Loh10, Man94, Man97, MHT09, MHM+01, NR99b, Nav01c, Rao95,
STSA99, TCM+92, YK11, ZSM93, ABF94b, BCD98, BFG90, BBK12,
CP97, FT95, GR99, GO12, HHL90, KTS+98, KMS+03, NKT+01, NT05,
SNZBY90, TM04, TM05b, TM05a]. compressible [BFKL13]. compressing
[WL15a]. Compression [ABM08, BC13b, CW84, FG89, GS85, How97, LSS94,
Man94, Man97, Neu10, RPE81, RT17, Sad96, SKF+00, SC93, SC95, SC96,
SC98, SC99, SC01, SC02, SC03, SC04, SC05, SM09, SM10, SN11, AS99,
AGS96, BFP010, Cha93b, CDC96, CL96, How96, Lar99, OW03, RTT02a].

COMPASS [IEE95b]. computable [EH88]. Computation
[Bro93, COZ09, Cha86, Lev95, Ng79, Rao94, WN90, CCT+13, Han02, Maa06,
NA90, PS93a, Tak96b, YT03, ACM94b]. Computational
[Lab12, Gus97, HN11, Val99, Via04]. Computationally [HT14].
Computations [FKP77, CR91, NEH90, Pra97, PCS99]. compute [MS95].

Computer
[ACM89, AHU74, Bao93, Cop91, FJ92, Hea71, Hwa85, CVP86, IEE89, IEE90,
IEE92, IEE93, IEE95a, IEE95b, IEE97, IEE98, IE09, Kül10, RJK79, SS93a,
Coo86, Fat15, Gus97, IIO9, Ker04, SS94, VV04, Win78, iA94, KP15].

Computer-Recognized [RJK79]. Computing
[ACM99, ACM74, ACM76, ACM81, ACM84, ACM86, ACM90b, ACM91,
ACM92d, ACM93b, ACM94d, ACM95c, ACM97c, ACM99b, ACM00, ACM08,
CFM17, CZ01, Cha94, DT87, DGBH93, FYJ+17, HM98, HM87, ISNH94,
L90, Rot91, RW10, W90a, BGNP94, BC59, IF96, LK88, W90b].

Concave [KM92, KM95a]. Conception [Hud89]. Concepts [BGJ01].
concise [BNSV10, NdMM02a, Yod91]. concrete [JD89]. Concur [SBF80].
Concurrent [GR92, Pei87, SBF80, BFN90, JM90, YT03]. condition
[Han92, KT90]. Conditional [DJ96]. conditionals [Edw07]. Conduct
[NCKL14]. Conference
[ACM89, ACM92c, ABB93, AGS93d, Ano87, AAC99, Bao93,
B+02, Bum94, FMA02, CVP86, IEE94a, IEE94b, IEE95b, KP95,
MG94, SW94, Sto92, SC93, SC95, SC96, SC98, SC99, SC01, SC02, SC03, SC04,
SC05, SM09, SM10, SM11, USE92, DT87, ACM69, ACM74, ACM76, ACM81,
ACM92a, ACM93a, ACM94a, ACM95a, AGS93a, AGS93c, AGS93b].
Conferencing [Sch95]. Configurable [ACF05]. Configuration
[Sch95]. Conflicts [YD95]. Conjunctive [CDL08, FLS98].
connected [Joh01]. connectivity [Sri88]. conquer [SW12, SHCY93]. consecutive
[KKR13]. Consensus [BDFW94]. Considered [Sym85]. Consistency
[ZCS93, AL08]. Consistent [PW93, MAI96]. Constant [BBG92,
CGG97, CGH98, CRR99, Gal95, GPR95a, KRR97, Sto96, BGM13, Gal92].
Constant-Sized [KRR97]. Constant-Time [BBG92, CGG97, Gal95, Gal92]. constants
[KC11]. Constrained [CS11, CLT07, XJT04, ZJL14]. Constraint
[Coh99, CFK07, Smi91]. Constraints
[GRS99, ZGS15, CDL08, HW90, KS11a]. constructability [Kar82].
Constructing [IY02, Lei80, JRV96, TU88, TTHP05]. Construction
[BP63, BH96, DPK11, FCFM00, Kos94, Mei89]. Constructions
[Ant95, Ant96, Che96]. constructive [Tak96a]. Containing
[HJ99, CFM00]. Containment
[FLS98, CDL08, HN11, SH85]. content
[LMT16, MLC08, TLL09]. content-based [MLC08]. Context
[CK02a, Haz01, Hua94, Kea91a, SBHM94, SA96, KGA+12, Mye95].
Context-Free [SBHM94, KGA+12, Mye95]. Context-Sensitive [SA96].
Continental [Bao93]. Continuous [SBF80]. Control
[Bao93, Mu95, MuT95, Mun95]. Controlled [NAR08]. Convention
[ACM89, Bao93]. Conversion [GJ16, HZ13, Lau00]. Convert [CM86, ZC99].
converting [Ga75]. convolution [Ind98]. Convolutions [AL08].
Cookbook [ST03, GL12]. coordinated [Mid98]. coordination [CFM00].
copattern [RTO15]. coprocessor [TLL07]. Coq [MPdS12]. Corasick
[CW13, NK07, PLL10, TM05b, TZH+13, TVCM12]. Core [TLC15, MAC14].
Cores [LSTW+17]. corpus [IIK08, II08]. corpus-based [IIK08, II08].
correct [Ryt80]. Correcting [Kuk92]. Correction
[And02, Bur84, JP73, RJ79, Wag74, BSY00, Mae90, MS95, TIAY90].
Correctness [Sto02, SBR97]. correlated [SWZ01]. Correlation
[KC99, Sha93, WZH92, PPZ08]. Correspondence [Spi99b].
corresponding [Li03]. Corrigendum [FLSS93a]. Cortical [TMV91].
cosine [TP07a, TP07b]. costs [PW06]. Counter [WPKL13].
Counter-Based [WPKL13]. Counters [LT09]. Counting
[GGM12, San95, Gel10, Nic03]. course [HR00]. Covered [Yun12]. Covering
[CIK98]. covers [IP96, MS95]. Covert [HL10]. CPM
...
Distribution [YJS4]. Diversified [FWW13a]. Divide [SW12, SHCY93].
Divide-and-conquer [SHCY93]. Dividing [KKK11]. DNA
[HA02, IM08, LSTW+17, MT14, NEL17, TP97, YT03]. DNA/RNA
Document [BK93a, BKW92c, FKRV15, KNS12, All82, Arn93, BK93b,
KRML09, WZS95, WCW82]. Domain [CF85, SKS96]. Donald [Neu10].
Done [LY86]. Don’t [Aku94, BL94, Aku95, KR97, MBY91, NR17].
doubling [CL09]. down [GOMSVGP08]. DPI [ABBH+16]. DReX
[ADR15]. Drive [KK02, BC06]. driven [GHS82, Mus03, NWE99].
Drosophila [YCJK08]. DTDs [BNSV10]. Dublin [ABB93]. Duration
[XJT+04]. Duration-constrained [XJT+04]. during [Sch81]. Dynamic
[AGT89, ALLS07, BSM+07, BFNP10, CL95, Mye98, Sch95, WBA83, ZLN11,
BD98, CHLS07, CGM10, FHDAF09, HSL10, JSH09, LYLW08, Mye99].
Dynamics [JMS5, MSP+17].

ECG [TZH+13]. Edinburgh [AOV+99]. Edit
[JVZ94, RKL02, AEP06, AK12, BC95, CM07, Leu97, LT97, QWX+13, SKS96].
Edited [Ano97b]. editing [DOS93]. Editor [Pik00, Ritxx, Ano17].
Editorial [AGS93a, AGS93c, AGS93b]. education [Ker04]. effect
[Ma05]. Effective [AG06, FKBS06, ZGS+15, KC11, PC02, ZKA12]. effectively
[ADT15]. effectiveness [BSY00]. Efficiency [ALR08, Sa15]. Efficient
[AC75, ACR01, ALV92, ALLL98a, ALLL98b, BDB90, BC13a, BA15, BC13b,
Ben94, BBH+87, Bra94, BC94, BG95, CF06, CCF13, COZ09, CCR02,
CDDM05, CCI+13, CLT07, EMC96, FT04, FM06, GC01, GP01, GP03,
Gaw12, GLS07, Gon83, Gue90, GS06, HL10, HW12, KR81, KR87, KR97,
KS94, KKK11, KRR17, Kos89, LV86a, LP13, LKL02, LTL04, MK90, MHT09,
NWE99, NDMM02a, NK07, Owo93, PAMP12, PDC94, QLY07, SA96,
SWW+12, TZYH14, Yun12, AB09, CPT92, CRG03, CW13, CD96, Cox10b,
ESL89, FNP09, FHP92, GPR95b, GL89, GLS92, LV86b, Lee82, Ma90,
NAR08, PLL10, QWX+13, YKGS11, YB13, YHV+15, ZKA12, ZYX+12].
Efficiently [ADT15, DF00, Kim99]. Eighteenth [ACM86, ACM99a].
Eight [ACM97b, B’02, ACM76]. Electron [DMWW77]. Electron-Beam
[DMWW77]. Element [MGR93]. Eleventh [ACM92b]. eliminants [AS85].
Elimination [Han13b, CK04]. Embeddable [Fri97b]. embedded
[TLL07, TLLL09]. Embedding [BDFR08, Fu97, ZCÖZ12]. embeddings
[CMO+08]. Emergence [Joh01]. Empirical [CL92]. emptiness
[Kar82, Rob79]. empty [Zia96]. emulator [VVV04]. enabling [AB09].
encoded [DS04, KS01]. Encoding
[HR10, KR92, RTO02b, Yun12, FDG+11, KR89]. end [JLHB02]. ends
[ESL89]. Engine [CZCD09, Hab04, VCS+12, BC06, CW13, WL15b].
Engineering [Bao93, CFKT17, FHP92, IEE94a]. Engineers
[NEH90, Lut02]. Engines [ABBH+16, TBS06, ZV97]. enough [MR09a].
ensembles [Alb89]. entails [Kar82]. entire [YJC08]. entity [DFF+15].
entropy [KS96]. Entropy [YDBB15, CR95a]. Entropy-Scaling [YDBB15]. Enumerating [Mcl04]. enumerative [Tan14]. Environment [LCH93, LZ96, MM02, SBR+07]. Epoch [OSM94]. Epsilon [GJ16, HSW97]. Epsilon-Free [GJ16, HSW97]. Equality [Gin67]. equally [NCV10]. Equation [CZ01, COZ09, NC92]. Equational [OND98, AF98, DL03, NWE99, RW93]. Equations [HOS85b, Ver70a, ZGS+15, Sta89, Ver70b]. Equivalence [Asp12, HSJ04, Hir96, KN12, MPdS12, SA77, MA1+16, Sh85]. Erdos [AW89]. EREW [PDC94]. Ergodic [Shi92, ST96a]. Errata [Ver70a]. Error [RJK79]. Error-Correction [RJK79]. errors [AAK+09, BLLP90, KNT11, San95, WM92a]. ESA'93 [Len93]. Espoo [GU95]. essentially [GHK14]. Estimating [TP07a, TP07b]. Estimation [KC87, JKNS00, KS96, TCCK90]. Euclidean [GK86]. EUODHILOS [OSM94]. EUODHILOS-II [OSM94]. European [Len93]. EUROSAM [Ng79]. EUUG [Ano87]. Evaluating [ADR15, SSSS10, LM12]. Evaluation [BC13b, Cha02a, D’A98, GL01, Ses96, VB98, YJ84, ADR03, ADR06, BSY00, Chi17, CD89, DR06, Hun84, Jay92, JFL14, Jor92, KEG+08, MM03, PSK08, Smi91]. even [LR14]. even [CK08]. event-processing [CK08]. Events [CEW85, Kle56]. EventScript [CK08]. everyone [Nar91]. Evolution [Hud89]. evolvable [LCC03]. Exact [AOK02, BCT94, CHL97, CH97a, FL12a, FNU02, G991, G992, MIH17, MA12, PP09, ABI+14, Bak78, CH92, CG90, DHPT10, FL13, HTX17, Kar82, Lec07, NF04, QWX+13, Tan14, TZH+13, YHV+15]. exact-match [Bak78]. examined [ORT09]. example [Qui00, Qui02]. Examples [Bra94, BC94, KK08, BGHZ15, GHS12, Kod79, SG12, SG16]. exchange [AL08, HSL10]. EXE [CGP+08]. execution [Han92, MZZ10]. Exercise [Wen93]. exercises [BH07]. exhaustive [IM13]. Exit [MOG98]. Expanding [Ham88, VHC88]. Expansion [CF85, Gue90]. Expect [Fri97b]. Expected [KU99, CL90]. experiment [GHS82]. Experimental [ACR01, GIMV03, HBRV10, Lec95, JFL14]. Experiments [Lec98]. expert [WS904]. experts [B+07]. Explicit [For02, CFK07]. Exploiting [Kul11, MKF91, KKM+06]. exploration [SW12]. explorative [Ker04]. Explore [Cop91]. Exploring [CMRV10, YB13]. expressibility [C09]. Expression [Anoxx, Asp12, BC13b, Bon07, BTC06, CZ01, CBW16, CKW09, Cox07, Cox09, Cox10a, Cox12, Dav99, EU98, GJ16, GR599, Gol93, Han13a, Hol84, Ier09, KM92, KM95a, KN12, Lee09, LT16, MNP+14, Mye92, MOG98, NR99a, NR01, Nav01c, Nav04a, NR04, PPA10, Rie79, Sca11, SM99, VCS+12, WPKL13, WMM95, YP12, YQW+16, vNG01, BAC12, BvdM17, BFC08, BFG09, BFS04, BH07, COZ09, CJBW13, Chi17, CLT07, CGPS13, Cox10b, DF00, FDG+11, Fos89, Goo05, HN11, Hos06, HV00, HP01, HP03, HVP05, KS08, Kar82, Ker07, Lee82, Lei80, Lif03, MNI14, ORT08, ORT09, PCS09, RTO15, SJ13, SCF+17, Spe85, Stu03, Stu07, Tho68, WL15b, WW03, YKS11, YCJ08, YB13, ZHZ16, Zia96, ZC99, ZYX+12, dLFM07]. Expressions [AM91, Ano68, Ant95, Bac94, BF97, Ber00, BGNV10, Bra94,
BC94, BK93a, BKW92c, Brz62, BP63, Brz64b, Brz64a, Brz65, CDLV99, Cam99, CSY03, Cha01, Cha02a, CLOZ04, CJM12, CDJM15, CGR02, CHP92, CC97, CDL95, Dav03, Dav04, DM11, FLS98, FU82, Fri02, GGM12, GN12, Ghi62, Gil70, Gin67, GH13, GH15, Hab04, HM98, Ham88, HWW06, Han13b, HJ99, Hir96, HK11, HSW97, Hum99, IY02, KT06, KTM97, Kea91a, KP99b, KP99c, Kin92, KV15, KZ02, KST12, LS99, LS06, LZHZ98, LM01b, LT09, Loh10, Mad01, MNS10, MY60, MR09b, MPdS12, Org03, OF61, Pak91, PM78, Pat71, Pet02, Pre99, Ray96, Rez92, SA96, Sch99, SS10, Sou99, TV14, TB00, Uma97, VHC88, Wen93, WZU14, XJ92, Yam01, ZGS+15, AFI98, Ano97a.

expressions [AGM05, AM95, Ant96, AOMC07, ACM02, BCG07, BYG96, BRL13, BTG83a, BTG83b, BDFR08, BS86, BNSV10, BK86, Bra95, BK93c, BK93b, CGR03, CP97, CK02b, CK08, DL03, EZ74, FL71, FHW10, Fri07a, Fri06a, GLÁ11, GR92, Ge10, GL03, GL12, GMS12, GH09, Gue90, HW07, HY90, HW07, HS90, HS08, MFR09]. 

expressive [BLLW12, HS08, MFRW09].

Express [Cal00, dLFM07].

Expressible [vNG01].

Extending [AS04, DJ96, Jun85, Kea91a, MSRR00, PMS11, WLF14, Bak78]. 

Extensible [BAC06, SNM07, BFN+09].

Extension [GZ94, HN02, Ind98, NKT+01, SB09].

Faster [ASM17, ALP04, AKT06, BYN96, BYN99, CH02, DGM90, DGM94, Fre02, GZ94, HN02, Ind98, NKT+01, SB09].

Faster [Col94b]. feasible [ATdM07].

G. [Akl78]. Gabriel [Lab12]. GADTs [KSVJ15]. gains [KGP+05]. Galil [Ano97b]. Gap [BGJ01, KM92, KM95a, ZKCY07]. Gaps [CIM+02, BGJ01, MUN07]. gear [WOQ+07]. gear-shifting [WOQ+07]. Gender [Pak91]. Gene [Bon07, YCJ08]. General [MR92, NR99b, VCS+12, AAB+86, Cha02c, Sch91a, Sch91b, ZHWW12]. general-purpose [AAB+86, Sch91a, Sch91b]. Generalization [Shi00, Shi04]. Generalized [Abr87, BK86, GL86, Ham88, Hei01, Hir96, Hol84, MAI+16, OP16, VHC88, Wen93, FL71, Kin91, SW90]. Generalizing [SKS96]. Generated [AK09b]. Generating [CGP+08, Jør92, BJK+12]. Generation [AGT89, GFH82, GWvG10, HKR92, Ker04, Pat71, SY72, BDB90, BA06, FKSBO6, Gan89a, GHS82, KKP92, MSRR00, SMS15].


Hairpin [CDJM15]. Hamiltonian [YT03]. Hamming [AD11, GF08].
HAMP [KGA+12]. Handwritten [CLP95, SKS96]. hard [LMM17].
Hardware [Bur84, HH83, HKL+14, Lee09, Lut02, MGW14, PK85, Rob92,
ZS17, AK08, ACF05, Bur82, FNP09, Hur84, KKM+06, MP88, MLC08].
hardware-accelerated [MLC08]. hardware-assist [KKM+06].
Hardware-Based [HH83]. harmonic [BCWG09]. Hash
[Bur84, CKW09, CG79a, CG79b, GIG77, Gri79, Har71, LLLC17, TK07,
AS17, Bur82, Kim99, TLLL07, XMLC11]. Haskell
[JJW+92, Jon07, Wen93]. Hausdorff [Rot91]. Head
[VVV04]. Helsinki [KS12a]. Hershey [ACM76]. Heterogeneous
[MM02, MM03]. heuristic [BCD98, Mus05]. Heuristics
[CIL+03, Han13b, KR92]. Hierarchical
[GM02, IK83, Loh10, Coo89, KAT07]. hierarchy [Lar98]. High
[BTC06, CGM10, Ear74, JGZL12, LK90, Lee09, LPT12, TS05, VCS+12,
Wen94, YP12, Ditt78, HC87, LH13, LK88, SW12, TLLL07, XMLC11, ZYX+12].
High-level [Wen94, HC87, SW12]. High-Performance
[Lee09, YP12, CGM10]. High-Speed
[LK90, VCS+12, LK88, TLLL07, XMLC11]. High-Throughput
[BTC06, LPT12]. Higher
[HW12, KU99, SDM01, Chi08, NRO12, OR11, Pie08, Zei08].
Higher-Dimensional [KU99]. Higher-Order
[HW12, SDM01, Chi08, NRO12, OR11, Pie08, Zei08]. Highly
[BKLP97, GHK+91, NEL17, BFKL13, CDC96, MAC14]. highly-threaded
[MAC14]. history [Ritxx]. HMM [SB09]. Holism [MMZ10]. Holistic
[BKS02]. Homology [Zha07]. Hong [B+02]. Honnef [Len93]. Horspool
[Neb06]. Host [ZS13]. Host-to-Host [ZS13]. Hotel [ACM83, Bao93].
Hough [KC87, SA77]. HTTP [BBK12]. Huffman [DS04, FT04, KS01].
human [KSWC93]. Hy [Lia84]. Hy-phen-a-tion [Lia84]. Hybrid
[CLP95, LHZ98, SF01, SW09, VB12, Gri85, LLL13]. HydroJ [LLC03].
hyogen [SM04]. Hypercube [Les94]. Hypermedia [LZ96]. Hypertext
[ALL97, ALL00, Nav98, PK95, Nav00, SD91].

I/O [PSK08]. IBM [HKL+14, Wei84]. ICL [CPW88]. Icon [Gri83, Wal89].
Iconic [GL86]. ID [BCD98]. Ideas [Bee81, Wol90a, Wol90b]. Identification
[Cob94]. Identifying [FLSS93a, FLSS93b]. Identities [McI85b, McI85a].
idf [TP07a, TP07b]. idiom [KKM+06]. IEEE [Bao93, CVP86, IEE09]. ifs
[Edw07]. II [AU73, OSM94]. Illinois [Hwa85, Hwa85]. illustrating
Images [GR96, KPR97, KPR00, KS06, How96, KS05, YCJ08]. Imaging
[AGS93a, AGS93c, AGS93d, AGS93b]. immersion [HFI+08]. impact
Implementations [AM91, Gri83, LT90a, BD98].

Implementing [Bon07].

Implement [Gal76b].

Improvements [CK92].

Improving [BD98].

In-degree [LSV08].

In-place [HTX17].

Inclusion [CGPS13].

Inclusive [MIH17].

Incomplete [NCKL14, Ritxx].

Incorporate [SKS96].

Increased [HFN05].

Incorporating [FPmR09].

Incremental [FWW13b, HKR92, Oph89].

Independent [ACM94b, ABB93, AGS93d, AAC01, AOV99, Bao93, MG94].

Interpolation [HW12, Lut02].

Interpretation [HN11, JP11, SHCY93].

Interpretations [MP09].

Interpreters [FTJ95].

Interleaving [Gea10].

Interprocedural [WHZ+17].

Intersection [GN12, HL10, Pet02, CP10, Gel10].

Interval [Via02, Via04, WHS94].

Intractable [FLM+10].

Introducing [LV86b].

Introduction [Bir77b, CM86, CLR90, GS93a, PG90, SC88].

Intrusion [CZCD09, KKK11, TS05, ACF05, KAT07, LHCK04, TBS06].

Intrusions

January [ACM87, ACM92a, ACM93a, ACM94a, ACM95a, ACM97b, USE92]. Japan [AT02, IEE94a, WN90]. Java [Ano96, Cal00, CGM06, Dwe00, FR00, Hab04, LM02, MFRW09, Mor02, NAR08, SM04, Stu07]. Java-based [Ano96]. java.util.regex [Hab04]. Jeffrey [Ano97a]. Jeju [ACP05]. Jersey [FC98]. Jerusalem [AL01]. Jigsaw [BK93d]. JMatch [LM02]. join [WLF14, ZCO09]. joins [BKSO2, JFLFL14]. Jose [ACM95b]. JPEG [KS05, KS06]. JTL [CGM06]. July [AL01, AH97, AT02, Bro93, Bun94, Cha86, Cro92a, FC98, GU95, KS12a, KP15, Lev95, LV06, MZ07, PC99, SMD04]. Jumbled [BCFL12, GHLW15, KRR17, BFKL13, GG13]. June [ACM92c, ACM92a, ACM95c, ACM98, ACM99a, ACM06, ACM07, AP10, Apo93, AH97, ACP05, BYCC03, Bun94, CG94b, FL08, FMA02, GS00, GM11, HM96, Hwa85, CVP86, KU09, Len11, Ng79, Sto92]. JVM [BFN+09].


Laguna [HM96]. lambda [Dow91]. lambda-calculi [Dow91]. Language [ADR15, Ano68, Fre06, GS93a, GP93, GH09, Gut92, GR96, Hir96, LS99, Lut02, MGH97, SBF80, TB00, VVV04, vNG01, Arn93, BK86, BFS00, CFM00, CM86, CGM06, CK08, CMW87, FL71, FPD08, Fri97b, HJW+92, Jor92, KH06, Mal03, MLC08, RW93, RTO15, SC88, SNM07, YIAS89, Zia96, DWE89]. Languages [ACM92a, ACM93a, ACM94a, ACM95a, BLLW12, CM58, HWW06, Hud89, KT06, KP99c, KLH16, Kor83, KST12, ND02, SA96, Sch13, Wag74, ACM87, AGM05, AOMC07, BRL13, BLSS03, BKW92a, Bkw92b, Coh90, Dit78, FhDAF09, HWW07, HJW30, HSJ04, UW09, Kes91, Mc04, MZZ10, Mye95, PP85, Sch88, Smi91, dLFM07, BGNP94]. Large [AAC+01, AOV+99, BH85, B+02, LP13, VB98, WHZ+17, ZMSD93, ABB93, BC13a.
CD96, HA102, LYWL08, Owo93, RW10, YHV\(^+\)15, ZD95, ZCÖ09, ZCÖZ12.

Large-Scale [LP13, WHZ\(+\)17, LYWL08]. Larger [GZ94]. latch [Fos89].

Lattice [Mun07]. Law [AW89]. laziness [KSVJ15]. Lazy


[YCJ08]. Learning [BGNV10, Bra94, BC94, Bra95, KK08, Kin92, KK02, Org03, PDL98, SPF08, SG12, ZCS\(+\)12, BC06, Ker04, VVV04]. least

[Boo80, DK13]. Left [NWE97, Ned98, CWZ10, HR03, Tak96b]. Left-to-Right [NWE97, Ned98, Tak96b]. legacy [Joh94b]. Leif [SC88].

Lempel [BF909, FT95, FT98, KKP16, NR99b, Nv01c, NT05]. Length

[BL94, Bre94a, Chu95, YJ84, ZGS\(+\)15, BFKL13, BGVW12, BC95, KR97, ZZH10]. lengths [KIH15]. lenses [BFP\(+\)08, FPP08]. Less [LMRT14], let


[JSC83, Dit78, Ear74, HC87, KWL07, dSOMY15, SW12, Wea94]. leverage [LR14]. Leveraging [MGW14]. Lexical

[HKR92, Yan95, ISHY88]. Lexico [KKSL01]. Lexico-Syntactic [KKSL01].

Lexicographically [Boo80]. Lexicons [ZMSD93, ZD95]. Library

[AK09b, CL95, EU98, Ano01, Cox10b]. life [CM90]. lightweight

[BFNP10, SNM07]. Like

[GHLW15, HK11, BTG83a, BTG83b, Mis89, YH91, Hol84]. Lille [KU09]. Limitation [Küll10]. Limited [HAR10]. Line

[FG98, GG97, Lut02, Sno01, Tak86, Bh08, CLP95, CT96, FG95, Fre06, Gal75, Job95, KNT11, NR02, NEL17, Rot91, TIT83]. Linear

[BJM79, Brz65, Cha94, Cha02b, CH03, CR95b, CGPR95, GS81a, LK90, LO94, Pat71, PRU11, RPE81, SSSS10, CGPS13, EH88, ETV88, GFG11, GMS12, HKN14, IKX15, KKR\(+\)13, LK88, Rep98, SGM10]. linear-space

[IKX15]. Linear-Time [CR95b, GS81a, HKN14]. Linguistic

[GHK91, Mae94, CDL08, Coh90, Smi91, TPT13, YIAS89]. Logical

[CEW58, Wei84, PP85]. logics [LH03, Pe87, tc09]. London [MZ07]. Long

[CLP98, Kha16, ML96a]. Longest [FGKU15, KR92, RT17, BBHK14, Gra15].

Look [Yan95, GPNa96]. Look-Ahead [Yan95]. lookahead [BAC12]. Loops

[BF97, FTJ95, KK95, BK86, RP95]. Lossless [How96, Cha93b]. Lossy

[LS94, RT17, How96]. Louis [IEE90]. Louisiana [ACM91, ACM97b].

Louisville [ACM89]. low [LH13]. Lower

[ACM92, CHPZ95, GG91, GKP86, AGW13, BG91, CJPS13, Lf03, LP08, SV87]. lower-variance [AGW13]. LR [LK06]. LRPD [RP95]. Lyndon [SMDS94].
LZgrep [NT05]. LZSS [LD10]. LZW [GR99, Gaw12, Gaw13, KTS+98, KTSA99, TM04, TM05b, TM05a].
LZW-Compressed [Gaw12, GR99].

M [RUG97, Ram94]. Machine [CG87, Cox09, AG84, Nak14, Ram94, WHZ+17]. Machinery [DT87].

Machines [Bow87, BP63, Moo64, OF61, YD95, GOMSJVP08, KAT07, RMS14, Yod91].


Manipulating [VGML15]. Manipulation [Ng79, Wea94, GHS12, GS06, Mal93, MR05, RH81]. Manual [Mu 95, MuT95, Mun95, Sk98].


Massive [OR12, YDDB15]. Massively [CG87]. Mastering [Fri07a, Fri02, Fri06a, LR14, Rom14, Uma97, Ano97a, Hum97]. Match [GHW05, KR92, LD10, Mor83, Pet92, Ses96, VB98, Zve80a, Zve80b, Bak78, BBHK14, DWE89, KSVJ15, KCK93, Mei15, ZCO99, ZCOZ12, HC87].

Match-Bounds [GHW05]. Matcher [HH83, Coo86, Ker07]. Matches [Dav73, KF91, Mut97, MOG98, PRU11, GHST17, Mha05, Ukk92, ZD95].

Matching [AOK02, Abr87, ABM08, AC75, AGT89, Aku94, AR00, ACR01, ABF94a, AAL97b, ALL97, ALL98a, ALLO, AAL+00, ALR08, AP10, Ano92b, Ano96, Ano97, iA94, AT02, ADLM96, AW89, Ash85, AJ92, ACD01, BST+03, BHF92, BYC94, BN96, BY96, BYN97, BYN98, BYN99, BEM+12, BCP02, Bec81, BH02, BH85, BKLP97, BL94, BM00, BBL93, Bow87, BG92, Bre93, Bre84a, BCT94, BG95, BCT98, BGG12, BG14, BTC06, BL16, BK93d, Bun95, BZ98, BG01, BCFL12, BCC+13, CCFG12, CF06, CFM17, CDM11, CK02a, CLS+10, CL92, CM94, CL94, CCH09, CLP98, Cha02b, CN02, CT+98, CZCD09, CHL14, CJBW16, CK92, CDEK95, CG94a, CLP95, CM08, CL95, Chn95, CW84, CHZ06, CJS12, Cob94, Col94b, CHP95, CH97a, CH02, CH03, CHLT14, Col94b, CG97a, CG97b, Cox07, Cox09].

Matching [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, EIV04, ETV88, Eke95, EMC96, EF13, FT98, FL12a, FL12b, FG98, FL08, FR00, For02, FU98, FRE02, FN02, FT04, Fre06, Fu95, Fu96, Fu97, GHLW15, Gal76b, Gal79, GS80, Gal81, GP90, GG91, GG92, Gal95, GPP04, GC01, GPR95a, GI97, GP01, GP03, GIMV03,
Gaw12, Gaw13, GP93, GM02, Gia93, GG95, GG97, GM11, Gil85, GZ94, Gon02, GK86, Gyi79, Gri83, GL01, Gro92, GL86, GV05, GMNN12, HD80, Hani3a, Har02, Har97, HAR10, HT14, Hau01, Hea71, HEWK03, Hei01, HL97, HH93a, HO82, HSTS01, Hui97, HW12, HN02, HN05, IS94].

Matching [IMP01, IMR08, IST05, IS86, IK83, JGZL12, JSC83, JUT96, KPR97, KPR00, KU99, KS12a, KR81, KR87, KRS95, KRS97, KP93, Kes79, Kha16, KSTA99, KMT+01, Kid09, KST94, KKS10, KKK11, KS06, KS11b, KS12b, KM92, KM95a, KM95b, KMP77b, KLH16, KR17, Kor83, KK02, KR97, KU09, KNS12, Kie10, KVX12, KNNM00, KC99, Lab12, LSW08, L94, Lav91, Le 91, LM01a, Lec95, Lec98, LKL02, Lee09, LT03, Les95, Les94, LV06, LV06, LTL04, LLLL08, LA12, LLLC13, LLLC17, LP11, Liu86, Liu88, LM02, LT16, LCL06, LLW+15, LS94, Lu02, MZ07, Ma06, MS98, MKF91, MU02, MW92a, MW92b, MGW14, MHT09, MUHT96, Mc185b, MNP+14, Mel95, Mey85, MM02, MIH17, Moh97, MS01, Mon17, ML96a, ML96b, Mu 95, MuT95, Mun07, MR92, Mut97, Mut00, Mye92].

Matching [Mye98, Nao91, NR98, Nav98, NBY99a, NR99b, NBY99b, NBY01, Nav04b, NWE97, Ned98, NdMM02b, ND02, NCKL14, NEL17, OR12, OP16, Ott94, Om88, PDL94, PAMP12, PS10, PK95, Par96, PV91, PPA10, PW95, Phi94, Pol13, PP09, Po093, PK85, PS03b, RR90, RR92, Rao95, RM88, RTT02b, RS98, Ric79, RKH02, RPE81, RT17, Sad96, SV94, SMD04, STK10, SCFC94, SN92, Sca11, Sch95, SRR92, SRR95, Sha93, STSA99, SKF+00, Shi00, Shi40, Shi92, SSSS10, Sim83, Sim94, SF01, Sm01, Sli78, Sli83, SW09, Som82, Spi99b, Sto96, ST95, ST96b, ST04, Tak86, Tak94, TMK+02, TS05, TZW94, TU93, TP97, TMV+01, TK07, TLEC15, TVCM12, UW93, Ukk10, VSM87, VB12, VWR11, Via02, VG01, VR01, Vis91, Vis99, VS01, WPKL13, WSW16].

Matching [Wat96, WKA94, WD99, WBA83, Wri94, WM92b, WMM95, Xi03, YP12, YP13, YQW+16, YK11, YJ84, Ym12, ZZ12, ZS17, ZLN11, ZT89, Zue96, de 82, van14, TL12, AMB+02, ADR03, ADR06, AK08, AK09a, Akl78, Aku95, ASM17, Alb89, ACF05, ASG99, ALV92, AF92, AFM94, ABF94b, AAL+07a, ALLL89b, AL01, ALP04, ABC+04, AK06, ALLS07, AAK+09, AEK+11, ABH+14, Ano97b, Ano01, AG84, Ap09, Ap093, AH97, AG97, ACP05, ADLM01, AGS96, AD11, AGW13, AG06, BFKL13, BYR93, BYP96, BYCC03, BY00, Bak78, Bak93, BDB90, BCD98, BEM+13, BSTU08, BGFK15, BR09, BA15, BA16, BBKB+14, BLPP0, BLP0, BFCC90, BFG09, BGVW12, Bir77a, BGJ89, BO13, BBL98, Bra90, Bra95, BBK12, BHHK14, BG90, BG91, BCT93, Bre95, Bre96, BGM13, BKS02, BFK+03, BC93].

matching [BEL04, CGK08, CPT92, CC13, CS98, CPW88, CF88, CK04, CMG10, CL90, Cha93b, Cha93a, Cha87, Cha02c, CR06, CJ93, CR95a, CLS95, CDDM05, CW13, CJBW13, CFKT17, CNPS15, CH04, CS11, CR87, CW10, CIPS13, CDP14, CP10, CH92, CCG+93, CH97b, CGG90, CT96, CD89, Coo89, CM07, Cro92b, CGR93, CG94b, CR94, CL96, CR99, CCG+99, CKC07, Dau09, DR06, DS04, DOS93, Deo06, Der95, Di076, DijXX, Dit78, Dow91, Dow93, DC94, DGM90, DHPT10, FLM+10, FW13a, FW13b, FC98, FT95, FL13, Fat15, Fen01a, Fen01b, FG95, FMdB99,
FDG^9, FBMA05, Fre03, FN04, FM06, Fri97b, Ga04, Gal75, Gal76a, GS81a, GS81b, Ga84, GG86, GG87, Gal92, GP92, GU95, GPR95b, GR99, GU16, GS00, GGF13, GI3, GMC02, GW92, GBY90a. matching [GBY90b, GPN96, GF08, GFG11, GGN06, GL89, GV00, GS06, HWW07, HY92, HLS07, HFS05, HC87, HR03, HH93b, HM96, HM00, HLS^11, HBV10, HP01, HP03, HK77, How96, HLN09, HLS06, HFN05, Hyy08, IIT13, IS96, Ier09, Ind97, Ind98, IS90, IK08, IM13, II86, ISY88, JM93, JP11, JL93, Jol95, Jol94a, JU91, KTP10, KSVJ15, Kas08, KNO0, Kes91, KTS^98, KMS^03, KST92, Kim99, KWL07, KEF^14, KNT11, KS01, KS05, KMP94, KMP77a, KS96, KS94, Kri09, KKR^13, KST16, KGP^05, KT90, LMM17, LV86a, LV86b, LV89, Lar99, Lec07, LLC03, LH13, LH03, LS10, LP08, Liu81, LHC04, LBK08, LO94, LT97, LLL13, MCF^11, MK90, MN05, Man76, MBY91, MMZ10, Mar07, ME97, MAI^16, MP05, McI85a, MM03, MM07, Mis03, MMH^01]. matching [MR09a, MA12, Mun95, Mus03, Mus05, MM89, Mye95, Mye99, NYuR15, Nak14, Nar91, NBY99c, NR00, Nav00, NKT^01, Nav01a, Nav01b, NR02, NF04, NT05, NC06, Neh06, NWE99, NdMM02a, NC92, NR17, NK07, Nii90, OK94, dSOMY15, OR11, Oph89, OW03, PS89, PLL10, PPTT15, Par98, PS90, PC99, PP94, Per94, Pet07, PMS11, PPZ08, PDC94, Quo92, RM06, RTT02a, RUG97, RTO15, Sab93, SVS97, STK06, Sal12, SW90, Sch81, Sch91a, Sch91b, Sch88, SZ05, Sen00, SS94, SGYM00, ST96a, SN94, Sh97, Sh77, SR16, Smi91, SLM14, SHCY93, Spe85, Sp99a, Sri93, SA77, Sto02, SWW^12, SV87, SN07, Tak99b, Tak93, TBS06, TZYH14, TM04, TM05b, TM05a, Th93, TIT83, TLS16, TLL07, TLL09, TCC91, Ukk92, Ukk93, Val09, Van06, VW11, Vai04, Vin77a]. matching [Vin77b, Vis90, Vol12, Wad87, WZS95, WGM913, WLF14, WC14, WL15b, WZ06, WW03, Wai03, Wex94, XMCL11, YKGS11, Yao79, YTO3, YB13, ZMAB03, ZHK01, ZHK16, ZYX^12, d993, dRL95, GH82, JD99, Nen10]. Matching-Based [CZCD09]. matchings [Iba97, RW10]. matchlib [Ano00]. material [RH81]. Mathematica [Har97, Mae94]. mathematical [Rev91, Win78]. Mathematics [HM87, WSS94]. Matos [Pet95]. Matrices [CIK98, Gia93, PRU11, Lee82]. Matrix [FT19, TWZ94, Kir82]. Matrix-Vector [FT19]. Max [IMP01, WPK13]. Max-Shift [IMP01]. Maximal [BJM79, IF94, IS86, Che96, GHST17, IF86, Ukk92, Rep98]. Maximal-munch [Rep98]. Maximum [ADLM96, OP16, ADLM01, LMMN07]. May [ACM69, 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]. Mechanical [NEH90]. mechanics [NEH90]. mechanized [Chl08]. meet [KSVJ15]. Meeting [NEH90]. Membership [GM02, KZ02, Loh10, Pet02, MW94]. Memory [KKK11, LP13, Lee98, TVCM12, FG99, JSH09, LH13, LMT16, Nak14].
PLL10, YKGS11, YIAS89, ZYX+12. Memory-Efficient
KKK11, LP13, PLL10, YKGS11. Merging [Kit94, LK06]. Mesh
Metasystem [GT90]. Method [CLP95, Hua94, LPT12, NBY99b, RJK79,
SV94, WZJH12, FMdB99, GPR95b, Ker04, LLL13, MP09, TIAY90].
Methods [Fal85, GIMV03, SBHM94, BSY00, Per94, SHCY93, TTHP05].
Metrics [LP11]. Mexico [ACM92a, BYCC03]. MFC [AS04]. Miami [CVP86, IEE97].
Michoacan [BYCC03]. Microcomputers [ZA87, ZGE85]. Miller [CR91].
Milwaukee [ACM81, IEE95a]. MIN [WPKL13, YD95]. MIN-MAX
[WKPL13]. Minimal [IF94, Ned98, YD95, BS11a]. Minimization
[Moh94, ND02, TZW94, AYLS02, Kra08]. Minimum [PW93, Rot91].
Mining [GRS99, ZKCY07, MR13]. Minimize [AW89, AJS92, BST
+03, ALP04, Der95, FGKU15, GG86, GG87, GU16, GGF13, Gra15, GL89,
LV86a, NR17, SZ05]. Missing [DCM15]. Mission [Lut02]. Mission-Critical
MMDBS [DWE89]. MN [ACM94c]. mobile [CFM00]. Modal [Yod91, cT09].
Model [FY1+17, GWvG10, MGH93, MGH97, PP09, SWY75, SCFC94, AB89,
Lin81, NR12, Tak96a, TG96]. Modeling [Haz01, SBHM94]. Models
[BZ98, CDL95, A+08, Coo89, CKC07, LT97, Nak14]. modification [Sch81].
modified [Lut97]. Modifier [WWW+16]. Modular
[LP13, dSOMY15, MFRW09]. Modulated [AESM14]. Module [ZS17].
monadic [TPT13], monads [PMS11]. monitors [ATdM07]. Monoids
[DM11, HY92]. Montreal [ACM94d, GS00, Lev95]. Moore [Ber00, Col94a,
DR06, EMCM96, Gal79, NT05, Ryt80, STK10, Sto02, Tak96b, TU93, WW03].
Moore-style [WW03]. Morelia [BYCC03]. MorphJ [HS08]. morphology
[Mus03]. morphology-driven [Mus03]. Morris [Bar81, DS04, PV91, Ukk10].
most [FL13, GFG11, HY90, LR14, YH91]. motif [Tan14, YHV+15]. Motion
[KC99]. motivate [Fla88]. moves [CM07]. moyenne [Alb89]. MPI
[MM02, MM03, PSDK08]. MPI-IO [PSK08]. MR [Groz91a]. MRCSI
[Neu10]. Multi [CJ93, FMdB99, GG95, GG97, Har02, LT03, LT90a, NBY99a,
OR12, TMK+02, WSW16, Alb89, ARS16, CPT92, CCG+99, ETV88,
JKN00, KTP10, OW03, XMLC11, YT03]. Multi-attribute [Har02].
Multi-byte [TMK+02]. Multi-combinators [LT90a]. Multi-Dimensional
[GG95, GG97, NBY99a, JKN00, XMLC11]. Multi-field [WSW16].
multi-pattern [Alb89, CPT92, CCG+99, KTP10]. multi-resolution
[OW03]. multi-striding [ARS16]. multi-string [YT03]. multi-text [YT03].
Multi-Threaded [OR12]. Multi-Track [LT03]. Multi-view [CJ93].
Multicast [Sch95]. multicharacter [CW13]. Multicore [YP13, ZLN11].


Number [BM00, GPR95a, GS81a, Kod79]. NY [AP10].

O [PSK08]. OBDDs [CH04, YKGS11]. Object [CJ93, GP93, LT90b, Coo89, GPTV93, LLC03, TG96]. Object-Oriented [GP93, LLC03]. Oblivious [FV16, HLS+11]. Obtaining [HW07, DR06]. OCaml [AP10]. Occurrence [CIL+03, Cha02c, Mus05]. occurrences [FLSS93a, FLSS93b]. OCR [San95, TIAY90]. October [Bao93, IEE89, IEE90, IEE92, IEE95a, IEE97, IEE09]. offer [MNS07]. off [LS99]. Offers [Fri97b]. Offline [MT14]. offs [GHST17]. omega [SMT+86]. omega-extended [SMT+86]. Omni [Wol86]. Omni-Font [Wol86]. On-Line [FG98, GG97, Lut02, Tak86, CLP95, Fre06, Joh95, KNT11, NEL17, CT96, FG95, Gal75, NR02, TIT83]. One [JKNS00, LY86, Sch91a, Sch91b, She59, WC14, Alb89, AGM05, Bak78, CR87, CCG+93, JL93]. One-dimensional [JKNS00, WC14]. one-letter [AGM05]. One-Way [LY86, Sch91a, Sch91b, She59, CR87, JL93]. Online [FL12a, PS10, CJPS13, FL13]. only [GS81a]. Ontario [Cha86]. Open [SDS14, AC93]. Operational [HH83]. Operations [DJ96, AGM05, Ear74, GW92, GH09]. operator [HC87]. Operators [For02, Kea91a, Sym85, MMDdJ11]. Optimal [AOK02, AR00, ABF94b, BH96, CG94a, CR92, CGH+98, FG95, FG98, FNU02, Gal84, Gal95, Gau13, GG97, Hig86, IY02, KU99, KR94, LMMN07, MS98, MP88, Mor83, Mut00, Nak14, NWE97, NdMM02b, RT17, SN92, BKBB+14, BG90, BKS02, CMO+08, CR94, FN04, GS81b, Gal92, GR99, GHK14, HFFA09, IKX15, IP96, KR89, KT90, MSRR00, MS95, Neb06, PPTT15, Ryt89, ZC99]. Optimally [CCG+93]. Optimising [Chi17]. Optimization [GC01, HJ99, LT09, Sca11, Spi99b, CK02b, KWLL08, KGP+05, SJ13, Spi99a, VW11]. Optimized [AK09b]. Optimizing [CJBW13, CJBW16, Kha16, LM01a, KS08]. Optimum [LD10]. Oracle [FPD08, GL03]. Order [GU16, HW12, KEF+14, SdM01, Wag74, BLSS03, CFKT17, Chl08, CNPS15, CT96, Dow91, Gie90, Kes91, NRO12, OR11, OND98, Pse08, TPT13, Zei08]. Order- [Wag74]. Order-preserving [GU16, KEF+14, CFKT17, CNPS15]. order-sorted [Gie90, Kes91]. Ordered [ST04, Cro92b, Gro91a, Gro91b, Mäk89]. ordinary [Rev91]. Oregon [ACM94a, ACM00, BGNP94]. O'Reilly [Ano97a]. Organization [IK83]. Organizing [CG87]. Orientation [TCCK90]. Oriented [GP93, KS94, GPTV93, LLC03, Mus05, TG96]. Orlando [IEE88]. Orleans [ACM91, ACM97b]. Oscillator [FYJ+17]. Oscillator-Based [FYJ+17]. OSN [ZGY+16]. other [Ano97a, Fri97a]. outbreak [FNP09]. Outerplanar [BJM79]. Output [PM78]. Overcoming [Kü10]. overlap [PSK08]. Overlapping [Ben94, BZ98, CCF13]. Overlay [LT16]. overview [PVA+92, Tur86]. Own [ZGY+16]. Oxford [Ano97b].
DWE89, DLG12, DN77, Dit78, DCM15, DGM94, Dwe00, EIV04, EF13, Far92, FL08, FR00, For02, FNU02, Fu95, Fu96, Fu97, GHLW15, GPP04, GC01, GRS99, GIK97, GP01, GP03, GIMV03, Gaw12, Gaw13, GP93, GM02, Gia93.

**Pattern** [GG95, GG97, GM11, GMC02, Gil85, GW92, GGN06, Gri79, Gri83, GL01, Gro92, GL86, Hari02, Hari97, HAR10, HH83, HL10, HT14, Haz01, Hea71, HEWK03, Hei01, HL97, HOS2, HSTSO1, How97, HW12, CV8P6, IMR08, IST05, JSC83, KPR97, KPR00, KU99, KS12a, KR81, KR87, KR94, KR95, KR97, KN00, KP93, Kes91, Kes97, KTEX99, KMT*01, Kid09, KKL01, KKK11, KSO1, KS06, KM92, KM95a, KM95b, KMP77b, KRR17, Kor83, Kra08, KK02, KU09, KNS12, Kiïl10, KVX12, KNNM00, KC99, Lab12, LV94, Lav91, LP13, LM01a, LKL02, LSTW*17, LT03, Les95, LV06, LTT04, LA12, LLCC13, LP11, Liu86, Liu88, LM02, Lut02, MZ07, MS98, MKF01, MU02, MW92a, MW92b, MGW14, MHT09, MUHT96, McI85a, McI85b, MS01, Mon17, Mu 95, Mut00, Mye92].

**Pattern** [Nao91, Nar91, Nav98, NBY99a, NR99b, NBY01, Nav04b, NWE97, Ned98, NdMM02b, ND02, Neu10, NCKL14, OR12, OP16, OW03, Ott94, PDL98, PS10, Par96, PV91, Pet92, PW95, PPZ08, PP09, Pou93, PK85, PS93b, RR90, RR92, Rao95, RM88, RS98, Ric79, SMD04, SCFC94, SN92, Sch95, SRR92, SRR95, Sel84, Ses96, Sha93, SN94, STSA99, SKF*00, Shi00, Shi04, SSSS10, Sim83, SF01, SmI01, SW09, Som82, Sri99b, Tak86, Tak94, TMK*02, TM50a, TMV*01, TK07, Ukk10, VNS87, VWR11, Via02, VGO1, VRD01, Vis91, Vis99, Val12, VS01, VB98, WCM*94b, WZS95, WS16, Wat96, WKA94, WD99, WBA83, WM92b, Xi03, YP13, YK11, ZZ12, ZNH10, ZLN11, ZT89, Zue96, TL12, ADR03, ADR06, AK08, AK09a, AkI78, Al89, ASG99, AYCL502, ALV92, ALLL98b].

**Pattern** [AL01, ABC*04, AKT06, ALLS07, ABH*14, Ano01, Aio92, AP90, AR97, ACP05, AP90, ADL01, AG06, BRY93, BYCC03, Bak93, BDB90, BEM*13, BA15, BA16, Bir77a, BGJ89, BO13, Bra95, BBHK14, BKS02, CGK08, CPT92, CPW88, CFS8, CGM10, Cha93b, Cha93a, Cha87, Cha02c, CRV06, CR95a, CLS95, CFKT17, CNPS15, CS11, CWZ10, CJS13, CCC*93, CH97b, CT96, CD89, CRRG93, CFG94b, CR94, CCG*99, CKC07, DS04, Dj676, DijXX, Dow91, Dow93, DGM90, FLM*10, FW13a, FW13b, FC98, Fen01b, FBMA05, Fri97b, Gaa04, GP92, GU95, GR99, GU16, GS00, GGF13, GG13, GP96, GS06, HWW07, HC87, HM96, HBRV10, HP01, HP03, HK77, How96, HL09, IIT13, Iba97, Ier09, Ind97, IM13, ISHY88, JM93, JP11, Jon07, KTP10, KSVJ15, KS07].

**Pattern** [Kas08, KTS*98, KMS*03, KCK93, Kim99, KS11a, Kin97, KS05, KMP94, KMP77a, Kos89, Kos94, Kri09, KKR*13, KGP*05, LLOC03, LH13, LH03, LS10, LP08, Liu81, LBK08, LO94, MCF*11, MK90, Man76, MMZ10, Mar07, MAI*16, MP05, MHM*01, MR09a, MR13, MA12, Mmu95, NYuR15, Nav00, Nav01b, NR02, NWE99, NdMM02a, NR17, NK07, Ni90, OK94, OR11, Oph98, Owo03, PPTT15, Par98, PS90, PC99, Per94, PMS11, Quo92, RM06, Sch81, Sch91a, Sch91b, Sch88, Sen00, SGM00, SII77, Sni91, SIO14, SHCY93, Spe85, Spi99a, Sre93, Sto02, SNM07, TZHY14, TM04, TM05b, Thi93, TIT83, TLS16, Val09, Van06, VW11, Vie04, Vin77a, Vin77b, Vis90,
Pattern-based [Far92, KS07].
Pattern-Directed [Kor83].
Pattern-Match [Pet92].
Pattern-Matching [FR00, KPR97, KPR00, KR81, KR87, KRS95, KRS97, KP93, KVX12, Lut02, MUHT96, NWE97, Ne98, Ozt93, SCFC94, Sch95, SSSS10, SW09, WM92b, CL96, GM02, KN00, CF88, DijXX, FrIo97b, Gao04, Ier09, KSVJ15, LH13, Nav01b, NWE99, NdMM02a, OR11, Per94, Sch88, Wea94].
Pattern-Recognition [AWS16].
Patterns [BH85, CLP98, Gim73, HNB13, IS94, JGZL12, Kha16, Les79, SB09, TMV+01, AD15, Ali89, AG06, BRL11, BSM+07, BFS04, Bro77, CP10, Dan91, ET98, IS96, JSH09, KHI15, LMM17, MR09a, NdMM02a, Tak93, Ver92, Vou06, Wal89, ZKCY07, ZJ14].
Pearls [Bir10].
Pearls [BH85, CLP98, Gim73, HNB13, IS94, JGZL12, Kha16, Les79, SB09, TMV+01, AD15, Ali89, AG06, BRL11, BSM+07, BFS04, Bro77, CP10, Dan91, ET98, IS96, JSH09, KHI15, LMM17, MR09a, NdMM02a, Tak93, Ver92, Vou06, Wal89, ZKCY07, ZJ14].
Perl [KN12, FHW10].
Pepeto [EHS07].
peeling [ALLT11].
Peephole [Spi99b, BA06, Spi99a].
peer [AB09]. peer-to-peer [AB09]. Penalties [KM92, KM95a].
2L-approximation [KWL07].
B.E. [Sca11].
Icon [Gri85].
J [KS08].
NIPS [TK07].
RNA [IM08]. SIGAPP [DGBH93].
Space [GP01, GP03].
SQL [FPD08].
Tcl [Wes97].
Pennsylvania [ACM76, ACM99a].
Perl [KN12, FHW10].
Perfection [FWW12, HKL+14, IS90, Lee09, MM02, MM03, Sca11, YP12, YK11, YJ84, CGM10, Fen01b, Hur84, LH13, SWZ01].
peril [Fen01b].
Periodic [Mat94, CDM11, FLSS93a, FLSS93b, ZKCY07].
Periodicities [Sli83].
Periodicity [PPP04, MAI+16].
Perl [Lab12, Ane97a, Fr97a, Han01, LT09, SPF08, Snu01, SM04, Stud07, Val09].
Permutation [BL16, KKR+13].
Permutations [BL16, KKR+13].
permuted [BEL04].
Perrin [Bre93, Bre96].
Personal [VB12].
Pesky [CJBW16, CJBW13].
Petri [GR92, PP85].
Phase [FYJ+17, CK02b].
phen [Lia84].
Phi [TLS16].
Philadelphia [ACM99a].
PHP [B+05, ST03, SM04, Stud07].
Picking [CJBW13, CJBW16].
Piconets [LTL04].
Pictorial [DOS93].
picture [Mar89, TCC91].
Pictures [JSC83, Tak93].
pipelined [ISH88, PII01].
Pisa [FL08].
Piscataway [FC98].
Petlife [OK94, KO94].
Pittsburgh [IEE92].
PL [FPD08].
PL/SQL [FPD08].
place [HTX17].
placement [HFPA99].
Plagiarism [PAMP12].
Planar [CM08, Hig86, TZYH14].
plane [AK09a].
planted [Tan14].
PLAs [KTU87].
plasma [AP90].
Platform [HZ13, ZLN11, FNP09].
play [FWH10].
 Plexus [AB09].
plush [IO99, MI07].
Plushie [MI07].
PMETA [Kes79].
pocket [FPD08, GL03, Stud03, Stud07].
PODS [ACM95b, ACM99a].
ACM07, ACM90a, ACM92b, ACM94c, ACM95b, ACM97a, ACM98].
PODS’11 [Len11].
PODS’12 [KLB12].
Point [CM08, GIMV03, Hig86, MU02, Ukk10, VS01, WKA94, ZHWW12, dRL95, AK09a, CGK08, CS98, Rot91, TZYH14, WC14].
Point-Pattern [MU02].
Poland [Win78].
Polaris [Wea94].
Policy [LTL04].
Polling [LTL04].
Polymorphic [Vou06].
polyomorphism [DRW95].
Polynomial [BCC+13, ISNH94, PW93, FLM+10, GH09, Liu81].
Polynomial-Time
[FLS98, KM94, AYCLS02, AL08, BLSS03, BFS00, CDL08, CMW87, KSH+15, MZZ10, PC02, QWX+13, RM06, ZCÖ09]. Querying
[BLR11, LM01b, San15, TV14, CM95, GW92]. Question
[KKS01, AF19, CKC07]. Question-Answering [KKS01]. queues
[SWZ01]. Quickscan [Sil77]. quirky [MLM+08]. Quotient [FP08].

R [Ram94, Val09, van14, Lab12]. Rabin [GBY90a, GBY90b]. RAID
[WOQ+07]. Random [Ale94, RKH02, CRV96, SN94, Yao79]. Randomized
[AJS92, ACD01, BST+03, CCG+97, KR81, KR87, AGW13, CH97b, I86]. range [HFI+08]. Rapid [CG79a, CG79b, Gri79, Bak78, AWS16]. Rapidly
[Dav73]. Raster [AGS93a, AGS93c, AGS93d, AGS93b]. Rationale [IEE01b].
ray [SS93b]. RDF [KSH+15]. re [ORT09, CGR02, CGR03]. re-examined
[ORT09]. RE-Tree [CGR02, CGR03]. re2 [Cox10b]. reachability
[FWW12, GZ10]. reachability-bound [GZ10]. Reactive [HFFA09].
reading [BWG12]. Real
[BG14, Gal76a, Gal81, Kos94, Sli78, Sli83, BGM13, CM90, Gal75]. Real-Time [BG14, Sli78, Gal76a, Kos94, BGM13, Gal75]. Realization
[CEW58, Kle56, TB00, XK92]. Reasoning [ADT15, G09, KS07, PS90].
Rebus [Gri85]. Recalibration [BM08]. recipes [B+05, Goo05].
Recognition
[ACR01, AWS16, BJB01, CG87, CJ93, CTF+98, CLP95, Gal76b, GS93a,
CVP86, L90b, PD90, PG90, SA96, WD99, WS96, WS96, BAA+86,
BWG12, Gal75, Gal76a, KSWC93, KS90+06, Kin89, Sel84, SK96, ZC89].
recognizable [HY92]. Recognized [RJK79]. recognizers [Fos89].
Recognizing [Ray96]. Reconfigurable
[BM00, MLC08, CMS08, Ram94, WKR09]. Reconstructing [Wei83].
Reconstruction
[Sha93, St96, NCV10]. Record
[Wei84, ACM69, ACM74, ACM76, ACM92a, ACM93a, ACM94a, ACM95a].
Rectilinear [GK86]. Recursion
[Bir97b, BFS00, CM90, CMW87]. Recursive
[FR00, FP77, JD98, Dow93, GPR95b, HN90, KOR98]. Reduce
[CKW09, Har79, Kes79]. reducibility [KR95]. Reduction
[KNH90, Sla59, DWE98, RP95]. redundancy [Joh94b]. Redundant
[RJK79]. reexamined [ORT08]. Refactoring [WGMH13]. reference
[FP08, GL03, Mha05, Stu03, Stu07]. references [WL15a]. referencing
[Lar98]. Refined [Pet94, Sch88]. reflection [HS08, Mor02]. Reflective
[Dee00]. refunecalization [RTO15]. Regex [Sch13]. regexes [MM14].
RegenX [BH07]. Regexpcount [Nic03]. Region [Bao93]. regions
[CM95]. Register [VSM87]. Registration [DMWW77]. Regular
[AM91, ADR15, Aon68, Aonxx, Ant95, Asp12, Bae94, BTG83a, BTG83b,
BC13b, BF97, Ber90, BGNV10, Bra94, BC94, BFS04, BTC06, BK93a,
BK93c, BK93e, Bz92, BP63, BrZ64b, BrZ64a, BrZ65, CDLV99, Cam99,
CSY03, CZ01, Cha01, Cha02a, CLO04, COZ09, CJM12, CDJM15, CGR02,
CBW16, CHP92, CC97, CKW09, CDL95, Cox07, Cox09, Cox10a, Cox12,
Dav99, Dav03, Dav04, DM11, EU98, FLS98, FU82, Fri02, GJ16, GRS99, GGM12, GN12, Ghi92, Gin67, Gol93, Goo05, GL12, GH13, GH15, Hab04, HM98, Ham88, HWW06, Han13a, Han13b, HWJ03, HN11, HJJ99, Hir96, Hol84, HK11, Hos06, HVP00, HP01, HP03, HVP05, HN00, HSW97, Hum97, Hum99, HY02, KTM01, Kea91a, KP99b, KP99c, Kin92, KM92, KM95a].

Regular [KLH16, KN12, KV15, KZ02, KST12, LS99, LS06, Lar98, Lee09, LZHZ98, LM01b, LT16, LT09, Loh10, Mad01, MS98, Mag81, MNS10, MY60, MPN+14, MR09b, MPdS12, Mye92, MOG98, NR99a, NR01, Nav01c, Nav04a, NR04, ORT08, ORT09, Pak91, PM78, PPA10, Pat71, Pet02, Pra97, Pre99, Ray96, Rez92, Ric79, SA96, Sca11, Sch99, SS93a, Sot99, Spe85, SM99, Stu03, Stu07, TV14, TB00, Uma97, VCS+12, VHC88, Wag74, WPKL13, Wat96, Wen93, WMM95, WZU14, XK92, Yam01, YP12, YQW+16, ZGS+15, Zia96, dLFM07, vNG01, AFI98, Ano97a, AGM05, AM95, ANt96, AOMC07, ACM02, BCG07, BYG96, BAC12, BDFR08, BvdM17, BS86, BNSV10, BFC08, BFG09, BK86, Bra95, BH07, BKW92a, BK93b, BK92b, CGR03, CP97, CJBW13, Chi17]. regular

[CK02b, CLT07, CK08, CGPS13, Cox10b, DL03, DF00, EZ74, FL71, FDG+11, FHW10, Fos89, Fri97a, Fri06a, GLRA11, GR92, Gel10, GL03, GMS12, GH09, HW07, HWW07, HY90, HSJ04, HW09, Jan85, JSH09, Joh99, Kar08, Kar82, Ker07, KGA+12, Kin91, Lau00, Lee82, Lei80, Lei85, LWS+16, Lif03, LR14, LM13, LMN16, MMDdJ11, McI04, MR05, Mor02, MZZ10, MM89, Nic93, PC02, PL+03, Rob79, Rom14, Ryt89, SCF+17, San15, SMS15, SGM00, Shaa88, SY72, SH85, SM04, SM+86, Vou06, WLI15b, WW03, Wat03, XJT+04, YKGS11, YH91, YH92, YB13, ZZH16, ZC99, ZYX+12, tC90, Tho68].

Regular-Expression [BTC06, Han93a, YQW+16, ORT08, ORT09, SCF+17]. Regular-like [BTG83a, BTG83b].

Related [CLT07, CK08, CGPS13, Cox10b, DL03, DF00, EZ74, FL71, FDG+11, FHW10, Fos89, Fri97a, Fri06a, GLRA11, GR92, Gel10, GL03, GMS12, GH09, HW07, HWW07, HY90, HSJ04, HW09, Jan85, JSH09, Joh99, Kar08, Kar82, Ker07, KGA+12, Kin91, Lau00, Lee82, Lei80, Lei85, LWS+16, Lif03, LR14, LM13, LMN16, MMDdJ11, McI04, MR05, Mor02, MZZ10, MM89, Nic93, PC02, PL+03, Rob79, Rom14, Ryt89, SCF+17, San15, SMS15, SGM00, Shaa88, SY72, SH85, SM04, SM+86, Vou06, WLI15b, WW03, Wat03, XJT+04, YKGS11, YH91, YH92, YB13, ZZH16, ZC99, ZYX+12, tC90, Tho68].

Resistance [CHZ06, AS85, Gro91b, Sn93].

relational [BGHZ15, HC87, KWLL08, MZZ10, DWE89].

[BLSS03, BÖ16].

relaxation [SHCY93].

Reliability [FO76].

related [BGHZ15, HC87, KWLL08, MZZ10, DWE89].

related [BGHZ15, HC87, KWLL08, MZZ10, DWE89].

Resource [LG89].

Repairing [JWS+16].

repeated [LO94, TH93].

repetitions [Cro86].

replacing [CDM11].

replacement [NAR08].

Replacing [CDM15].

replication [HFFA09].

Report [GS81b, HJW+92].

Reporting [MOG98].

representable [Dow93].

Representation [NR01].

representations [BY13, ZC99, ZH16].

Required [MW92b].

requirement [LH13, ZKCY07].

requires [Rob79].

Research [CPW88, IEE89].

RESeED [SCF+17].

Residue [BM00].

Resilient [ABBH+16].

resolution [OW03].

resource [FK96].

resource-bounded [FK96].

reconfigurable [FK96].

resources [HAR10, MP09].

Restricted [Kin92].

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

Retargetable [GFH82, BDB90, Gan89a, Fra83, GHH83a, GHH83b, WNL+83].

RETE [Alb89, MK90].

Search [AC75, Ber00, BK93d, Cal00, EF13, FG98, GG97, KR94, Lut02, Man86, NR99a, NR01, Po101, SED14, SB09, Sun90, WWW+16, YDDB15, Zha07, ZGS+15, AB09, BC13a, BC06, FG95, FG99, GHK14, JRV96, NR02, QLY07, SCF+17, Tan14, Tho68, YHV+15, Cox12]. Search-Space [ZGS+15]. Searches [GN01, MT14, Fen01a, KS08, MS92b, SMS15]. Searching [BS97, BM77, CC97, CCL87, Dav73, EF95, Gon83, HS91, Man94, Nav01c, Nav04a, NR04, TT82, ZMSD93, AEMS14, BYG92, BYG96, Bar84, CD96, CEMW91, HK14, Han93, KIH15, Mha05, Mus03, Mus05, Owo93, Per94, Ryt80, SNZBY00, WL15a, WM92a].

BCT98, BGG12, BG14, BK93d, BZ98, Bur84, CF06, CF88, CK02a, CLS+10, CL92, Cha93b, CM94, CL94, CCH09, CLP98, CN02, CTF+98, CHL14, CH04, Chu95, CW84, Col94a, CHPZ95, CH97a, CH02, CP91, Cro92b, CCG+94, CGG+97, CIK98, CIM+02, Dav73, EMC96, FT95, FT98, FL12a, FL12b, FG98, FV16, FU98, Freq2, FT04, Fre06, Gal76b, Gal79, GS80, Gal81, GP90, GG91, GG92, Gal95, GP95a, GHW05, GZ94, Gon02, GFG11, GV05, GMMN12, HD80, HH93a, Hui92, HS91, HN02, HN05, IMP01, IK83, JLFL14].

String [JTU96, Kha16, KST94, KKK11, KS11b, KS12b, LSW08, LP13, Le 91, Lec95, Lec98, Les94, LY86, LLLL08, LLLL17, LD10, Liu86, Liu88, LCL06, LLWi5, LS94, Mel95, Mey85, MM02, MIH17, Moh97, ML96a, ML96b, Mun07, MR92, Mut97, Mye98, Nao91, NR98, NBY99b, NEL17, OM88, PAMP12, PK95, PP94, Pet07, Phil94, Rao94, RTT02a, RTT02b, RKH02, RPE81, Sad96, SV94, STK10, Shi92, Sh97, Sim94, Sli78, Sli83, Sp99b, ST95, ST96b, ST04, TS05, TU93, TP97, TT82, TLC15, TVCM12, UW93, VMML15, Wri94, YP13, ZS13, ZS13, ZGSi5, de 82, van14, Akn95, ASM17, ACF05, ALP04, AAK+09, AEK+11, AEMi4, AGW13, BFKL13, BYF96, BYP96, BSY00, Bak78, Bar84, BR09, BKBB+14, BLPL92, BFG09, BFP+08, BG90, BG91, BCT93, Bre94b, Bre95, Bre96]. string [BGM13, Bur82, BEL04, CCF13, CL90, Cha93a, CDDM05, CW13, CR87, CH92, CGG90, CD96, CM07, CGRR99, Dai09, DR06, Deo06, Der95, DC94, DHPT10, FL13, Fen01a, FG95, FmB99, FG99, FBMA05, Fre03, FN04, FM06, Gal75, Gal76a, GS81a, GS81b, Gal84, GG86, GG87, Gal92, GPR95b, GB90a, GBY90b, GF08, GL89, GV00, GHHK14, Han93, HY92, HFS05, HR03, HH93b, HM00, HLS+11, HK77, HHL99, HFN05, Hyy08, IP96, IMS97, Ind98, IS90, II08, JL93, Jol95, JU91, KST92, Kim99, KL07, KNT11, KS96, KST16, LV86a, LV86b, LV89, Lar99, Lec07, Liu81, LHCK04, LT97, LLLL13, Mae90, MNU05, MBY91, ME97, Mha05, MM03, MM07, Mis03, MS95, Mus03, Mus05, Mye99, Nak14, NBY99c, NR00, NK+01, Nav01a, NF04, NT05, NC06, NLe06].

String-Manipulating [VMML15]. String-Matching [BG14, CCG+94, GS80, Gal95, Kha16, Les94, LY86, Moh97, Mut97, Sli78, Sli83, CH04, Cro92b, BR09, CCF13, CW13, CR87, CGR99, DR06, Gal75, Gal76a, GS81a, Gal92, GPR95b, HY92, HR03, JL93, KST92, LHCK04, PLL10, TS06, UK92a, UK93, d93, GH82].

String-Searching [BGT94, BSM77, BSM85, BS97, BCFL12, Chu95, Col94b, FT98, Gau13, GNU94, GL01, ISNH94, KRS95, KRS97, KMP77b, LT03, Lut02, SW09, Ver92, YQW+16, ADR03, ADR06, BLSS03, BFK+03, BC95, CD89, CR91, EH88, ETV88, FT95, GO12, Gus97, JRV96, KGA+12, KMP94, KMP77a, KR97, LMM17, LS10, Mcl04, Mei15, NR02]. String-Similarity [BGT94, BSM77, BSM85, BS97, BCFL12, Chu95, Col94b, FT98, Gau13, GNU94, GL01, ISNH94, KRS95, KRS97, KMP77b, LT03, Lut02, SW09, Ver92, YQW+16, ADR03, ADR06, BLSS03, BFK+03, BC95, CD89, CR91, EH88, ETV88, FT95, GO12, Gus97, JRV96, KGA+12, KMP94, KMP77a, KR97, LMM17, LS10, Mcl04, Mei15, NR02].

String-Dist [van14]. Strings [Ade94, BS97, BCFL12, Chu95, Col94b, FT98, Gau13, GNU94, GL01, ISNH94, KRS95, KRS97, KMP77b, LT03, Lut02, SW09, Ver92, YQW+16, ADR03, ADR06, BLSS03, BFK+03, BC95, CD89, CR91, EH88, ETV88, FT95, GO12, Gus97, JRV96, KGA+12, KMP94, KMP77a, KR97, LMM17, LS10, Mcl04, Mei15, NR02]. Strong
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[GGM12, LS06, WD99, AW89]. Strongly [Dur94]. Structural
[BGJ01, KWLL08, Shi00, Shi04, BFS00]. Structure
[CGR02, Gia93, Les95, Pol13, Sli78, TMV⁺01, AP90, CGR03, CD96, FG99, FLS93a, FLS93b, KWL07, MP05]. Structured
[BLLW12, KM94, BGHZ15, Fla88, TMV⁺01, AP90, CGR03, CD96, FG99, FLS93a, FLS93b, KWL07, MP05]. Structured

[Cha01, Cha02a, GHLW15, GG97, Gor00, LSW08, Lar99, Lec98, Les79, ABH⁺14, BA15, GMC02, HN90]. stuck [AEK⁺11]. Studien [SM74].

Studies [JM85, SM56, SM74, SS93b]. Study [CSY03, FTJ95, JM85, MM02, OP16, PV91, Sca11, Fen01b, PSK08, SPS96].

Studying [MGH93]. Sturmian [BR09]. Style [Cop91, WW03].

subexpressions [Fat15]. subgraph [KSH⁺15, SWW⁺12]. subject [ETV88, Sch81]. Sublinear
[CL94, FG98, CL90, CWZ10, CGR99, FG95, WZ96]. Sublist [Jay92].

Suboptimal [Cha94, LS94]. Subquadratic [WMM95]. subsequence [ZKA12]. Subsequences [IF94]. Subset
[CH03, Kin92, Pag78, AB09, CH97b, HW09]. Substitution
[For02, JSC83, Sch81]. substitutions [Pie08]. Substring
[CIL⁺03, Har71, Joh94a, Sun90, BSTU08, Gra15, HKN14, HTX17, IKX15, JNKS00, Maa06, MAI⁺16, Sto02]. substring-preprocessing [Sto02].

Substrings [Coh94, Boo08, FGKU15, GHST17, LO94]. substring [Gro91a, Gro91b, Mäl89]. 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, TTH05, Ukk83]. 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]. support [CL09, KAT07, Roh92].

supporting [CM87]. supports [Nil90]. surface [TCCK90]. Survey
[Brz02, Kn98]. Surveyor [Fra83, GGH83a, GGH83b, WNL⁺83]. Swap
[AEP06]. Swaps [ALL98a, AAL⁺00, CCFG12, AAL⁺00, AAL98b, Mei15].

SWAR [CL09]. Symbolic [ACM94b, Bro93, Cha86, Har79, Lev95, Ng79, VHL⁺12, WN90, Fat15, Nic03, NA90, Ng79, NEH90]. Symmetric
[Gil70, SS93a]. Symmetries [Hig86]. symmetry [Mar89]. Symposium
[ACM97, 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, ACM00, ACM06, ACM07, ACM08, AP10, AH97, AT02, Bro93, Cha86, DGBH93, FC98, FL08, FJ92, GM11, HM96, 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. **Symsac** [Cha86]. **synchronization** [JM90]. **Synchronized** [PIT+03]. **Synonyms** [LLW+15]. **Syntactic** [KKSL01, TB00, Wol86]. **Syntax** [BLS+94, AG06, Pie98, ZGE95, Zei08]. **System** [BM00, CFS+89, DMWW77, Har79, IEE01a, IEE01d, IEE01c, IEE01b, KSWC93, KMT+01, MM02, Som82, WHZ+97, Wol86, AAB+86, BAC12, BH07, GPTV93, KAT07, KMS+03, KLB12, LEN11, PC99, SMD04, BYCC03, CG94b, GU95, GS00, KLB12, Len11, PC99, SMD04]. **Systematic** [KK95, NAR08]. **Systems** [ACM83, ACM90a, ACM92b, ACM94c, ACM95b, ACM97a, ACM98, ACM99a, ACM06, ACM07, Ano68, Dur94, FYJ+17, GHW05, IST05, JMS84, KKK11, Kor83, LZ96, Lut02, MUHT96, Mor83, Sar02, WHZ+17, CDC96, CFM00, DL03, Fat15, JO97, KKM+03, KLB12, KR95, LLC03, Len11, SD91, WSS94]. **SystemT** [KLR+08].

**table** [GHS82]. **tables** [EF95, Mus05, Quo92]. **tagged** [Lau00]. **Tagging** [Kul11, KEG+08]. **Taming** [Hab04, KSH+15]. **target** [QLY07]. **TASH** [Wes97]. **Task** [YD95]. **TAWK** [Eck89]. **taxonomy** [CWZ10, WZ96]. **TBNF** [Man06]. **TCAM** [MPN+14, PD12, Yun12]. **TCAM-Based** [Yun12, PD12]. **Tcl** [Wes97]. **Technical** [Spi99b]. **Technique** [Vis91, ZT89, Bak78, Flg88, PC02, Vis90]. **Techniques** [DCM15, GS93a, GL86, HH93a, Kuk92, Mu 95, MuT95, NR04, Tho68, Ano97a, DOS93, EF95, Fril97a, HH93b, SRR00, Mun95].

**technologies** [OKT92]. **Technology** [IEE01a, IEE01d, IEE01c, IEE01b]. **Template** [SN92, Coo89, FLSS93a, FLSS93b, SS94, SA77]. **Templates** [HL97, ZGY+16]. **temporal** [PMD01]. **TENCON** [Bao93]. **Tennessee** [ACM90a]. **Tenth** [IEE94b]. **ter** [Lia84]. **Term** [Dur94, Lav91, Pet92, PS93b, KN00]. **Termination** [GHW05]. **Terms** [Cha02b, ZMD903]. **tessellation** [TIT83]. **Test** [Har71, AG84, RP95, SMS15]. **testable** [Mei08]. **Testing** [Bre94b, Hei01, Lut02, Han92, KKM+85]. **tests** [Thi93]. **Texas** [ACM97e, NEH9, IEH94b, IEH95b]. **Text** [BBH+87, CC97, Fal85, GN01, Gon83, Gor00, GV05, How97, KR92, KTA99, Kuk92, KVK12, Man94, Man97, Nao91, NR99b, Nav01c, Pik00, Ritxx, STS99, SKF+00, TMK+02, TST2, ZA87, AMB+02, ALLS07, BYG92, BYG96, BCD90, BGFK15, BCI3a, BFNP10, CL09, CHLS07, CR95a, CM95, CEMW91, CL96, GG13, Gre88, GV00, How96, Ier09, IO08, KR98, KTS+98, KWL10, MW92b, Mus03, Mus05, NKT+01, NT05, OKT92, RH81, San95, SKS96, SNZBY00, WM92a, YT03]. **text-compression** [CL96]. **Texts** [BKLP97, BG95, CL95, FT04, Lut02, ML96a, Rao95, TMK+02, BFKL13, BSY00, BFG09, CD96, DS04, JU91, KS01, NR02, Sen00]. **Textual** [BH85, Hzo01, Joh94b]. **Texture** [VB98]. **tf** [TP07a, TP07b]. **tf-idf** [TP07a, TP07b]. **Their** [Brz62, CJM12, Gim73, HNN05, MKHR12, OF61,
transposition-invariant [Deo06]. transputer [CEMW91]. traversal [NRO12]. traversal-based [NRO12]. Traversals [Sto06]. Tree [AGT89, AM91, AYCLS02, Cha02b, CHZ06, CH97b, CH03, DGM94, FV16, GHLW15, JZW94, Kid09, KM94, KLT16, LPR+08, MS98, RR90, Shi00, Shi04, Sto96, BDB90, BTG83a, BTG83b, CCR93, Cha87, CLS95, DF00, DGM90, EHS07, FCM00, Far92, FG99, KS11a, Kos89, Mal93, SGYM00, Vou06, CCR02]. Tree-Like [GHLW15]. tree-manipulation [Mal93]. Tree-Structured [KM94]. tree-walking [EHS07]. Trees [BYCMW94, BCP02, GHLW15, Gol93, Gro92, GV05, HO82, JZW94, RR92, SCFC94, Sim83, ACFC+16, CPT92, Gro91a, Gro91b, GV00, Gus97, JRV96, Kos94, Måk89, TTHP05, Ukk93, Ver92]. Triangle [IEE89]. Tricks [Abb94]. Trie [CCH09, GO12]. tries [BYG96]. Trigram [Cox12]. Truly [GP92]. Tucson [ACM97a, Apo92]. Tumor [WZHJ12]. Turing [GOMSJVGP08]. Turkey [SMD04]. Tutorial [Lut02]. Twentieth [ACM93a]. Twenty [ACM06, ACM07, AAC+01, AOV+99, B+02, ACM90b, ACM91, ACM92d, ACM93b, ACM94d, ACM95c, ACM97c]. Twenty-Eighth [B+02]. twenty-ninth [ACM97c]. twenty-second [ACM90b]. Twenty-seventh [AAC+01, ACM95c]. Twenty-Sixth [ACM07, ACM94d]. Twig [DLG12, BKS02, KRML09, MMZ10]. twigs [RM06]. Two [AF92, ABF94a, ABC+04, Ano68, ADLM96, BYN98, BKLKP97, Bri77a, BGJ01, CDJM15, CH95, CHZ06, CHLT14, CP91, CR92, CCR93, CC+94, CGPR95, CGH+98, CIK98, FUK98, FNU02, Gal76b, Gia93, HY92, HW12, JSC83, JU91, KPR00, KU99, LY86, Mid96, Ott94, Par96, She59, TIT83, ZT89, AK08, ABF94b, AKT06, AM05, ADLM01, BYR93, Bar84, CK02b, CP10, CCG+93, CR94, GP92, HY90, HLN09, KWL07, dsOMY15, Par98, Rot91, SN94]. Two-Dimensional [ABF94a, ADLM96, BYN98, BKLKP97, CL95, CHLT14, CR92, CGPR95, CGH+98, CIK98, FUK98, Gia93, HW12, KPR00, Par96, ZT89, AF92, ABC+04, CCR93, Mid96, TIT83, ABF94b, AKT06, AM05, ADLM01, BYR93, CR94, GP92, HLN09, Par98]. Two-Head [LY86]. Two-Level [JSC83, KWL07, dsOMY15]. two-patterns [CP10]. two-point [Rot91]. Two-Sided [CDJM15]. Two-Way [CP91, She59]. Type [JM93, Sou99, Van06, FF08, JO97, Nil90, Pie08]. type-theoretic [Pie08]. Typed [JP11, Xi03, Dow91]. Types [FR00, Pre99, BC93, CGPS13, GLS07, GPN96, HVP00, HVP05, JD89, KS93, Kra08, dsOMY15, OR11, SG16, Vou06]. typeset [San95]. typing [FhDAF09]. Typography [AGS93a, AGS93c, AGS93d, AGS93b].
Uniform [Bre94a]. Uniform-Length [Bre94a]. Unifying [Wol90a, KMS+03, MZZ10, Wol90b]. unique [AG84, GHST17, HTX17, IKX15, Van06]. Unit [Les94]. Units [LLLC17]. Universal [PS10, Sad96, CDDM05]. University [Ano97b, Hwa85, PC99, HWF90]. UNIX [Ano92a, Qui02, Fri97b, Hol84]. Unix-Like [Hol84]. UnQL [BFS00]. unrestricted [Lei85, Leu97]. Unstructured [Gon83]. Unsupervised [WWW+16]. UPaK [WKR09]. Update [FE98, FG95]. updates [Che08]. Upper [CH97a, GG92, Les94]. Urbana [Hwa85]. USA [ACM06, AP10, Apo92, BGNP94, CG94b, FC98, KP15, SC04, SM09, SM11, DGBH93, FMA02, IEE09, KLB12]. Use [IY02, CC97, WSS94, YIAS89]. used [Sch91a, Sch91b]. Usefulness [CR91]. USENIX [USE92]. users [BJK+12]. Using [AGT89, BYCMW94, BCP02, Bow87, BK93d, BZ98, CF85, CHP92, CFM00, CW84, Cop91, Dav73, GHK+91, Gro92, GL86, GH82, HEWK03, How97, JM85, KKK11, Kin89, LSW08, LLLL08, LLCC13, MS98, Mar89, MUHT96, MPN+14, Mei15, Mu95, MuT95, PAMP12, Res92, SBHM94, Sch95, STSA99, Spi99b, ST95, TMV+01, TB00, WJA12, WBA83, Yun12, ZGY+16, AG06, BSY00, BBD90, BGHZ15, BBHK14, BWG12, CPW88, CP97, CEMW91, FL71, GS81a, GHS12, GS96, HM00, HHL06, II08, JLHB92, JSH09, KAT07, KST94, Kin99, KWL08, KST16, Lab12, LT90a, LMT16, MW92b, MLC08, Mun95, Mus05, NYuR15, Neb06, NK07, OK94, San15, SD91, SW93, SMS15, SG16, Spi99a, TM05b, Val09, Vol12, Wri94, ZC89, ZMAB03, ZHH10, ZMSD93]. USL [DWE89]. Utah [SC93, SC04, SM09, SM11, SC95, SC96, SC98, SC99, SC01, SC02, SC03, SM10]. Utilities [IEE01c]. Utilizing [XR92, All82].

REFERENCES


WAW [A+08]. Way

CP91, LY86, Sch91a, Sch91b, She59, Ukk10, CR87, JL93, Wad87]. Weak [ACR01, For02, GGM12]. web [A+08, SMS15, AOMC07, CMRV10, SWZ01].


X [SS93b]. X-ray [SS93b]. XDuce [Fri06b]. Xeon [TLS16]. XML [B+07, ADT15, AL08, BGNV10, B+07, BKPS02, Cam99, Che08, CK02b, CGPS13, CMRV10, DLG12, Dwe00, EHS07, GLS07, Hos06, HVP00, HP01, HP03, HVP05, KS07, KH06, KRM09, LMO1b, MNS07, MNS10, MZZ10, RM06, TB00, dLFM07]. XPath [SSSS10]. XSDs [MNN012].

Yacc [Cox10c, MD10]. Yates [Hyy08]. years [ACFC+16]. York [AP10, Ano97b]. yourself [Abb77].

Zakopane [Win78]. Ziv [BFG09, FT95, FT98, KKP16, NR99b, Nav01c, NT05].

Zooming [PW06, GRP95b]. zur [SM74]. Zvi [Ano97b].

References

many // London, UK // etc., 2008. ISBN 3-540-78808-5, 3-
540-78807-7. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rosa, and Reed Thorkildsen. Single-board general-purpose

[AAC+01] Peter M. G. Apers, Paolo Atzeni, Stefano Ceri, Stefano Para-
boschi, Kotagiri Ramamohanarao, and Richard T. Snodgrass,
editors. *Proceedings of the Twenty-seventh International Con-
ference on Very Large Data Bases: Roma, Italy, 11–14th
September, 2001*. Morgan Kaufmann Publishers, San Fran-

[AAM+09] Amihood Amir, Yonatan Aumann, Oren Kapah, Avivit Levy,
and Ely Porat. Approximate string matching with address
November 28, 2009. CODEN TCSCDI. ISSN 0304-3975
(print), 1879-2294 (electronic).

[AAL+97a] A. Amir, Y. Aumann, G. M. Landau, M. Lewenstein, and
N. Lewenstein. Pattern matching with swaps. In *IEEE
[IEE97]*, pages 144–153. CODEN ASFPDV. ISBN 0-
8186-8197-7, 0-8186-8198-5 (casebound), 0-8186-8199-3 (mi-
IEEE catalog number 97CB36150. IEEE Computer Society
Press order number PR08197.

339, August 1997. CODEN JOALDV. ISSN 0196-6774 (print),
com/science/article/pii/S0196677496908500.
Amir:2000:PMS


Auernheimer:1989:NNM


Ahmed:2009:PSP


Abbott:1977:DIY


Agrawal:1993:VLD


Abbott:1994:TTa

Abbott:1996:IOc


Afek:2016:MDE


Amir:2004:TDP


Amir:1994:ABA


Amir:1994:OTD


Aldwairi:2005:CSM


Apostolico:2016:YST


ACM:1969:CRA


ACM:1974:CRS


ACM:1976:CRE


ACM:1981:CPT

REFERENCES


[ACM90a] ACM, editor. *PODS '90. Proceedings of the Ninth ACM SIGACT-SIGMOD-SIGART Symposium on Principles of
REFERENCES


REFERENCES


Ager:2006:FPE


Alur:2015:DDL


Aksoy:2015:RPE


Antoy:1994:NNS


Amir:2011:ASM


Apostolico:2014:MSS

Amir:2006:SME


Amir:1992:TDD


Aceto:1998:QSE


Amir:1994:ADP


Apostolico:1984:PMM


Apostolico:1997:PMA

Atkinson:2006:EPM


Anselmo:2005:NOR


Andre:1993:ESI


Andre:EPODD-6-3-115


Andre:1993:ICR

REFERENCES


Aho:1974:DAC


Augustsson:1989:CLC


Augustsson:1989:CLM


REFERENCES

Akutsu:1995:ASM


Amir:2001:CPM


Arenas:2008:XDE


Albert:1989:CMA


Alexander:1994:SCS

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:1987:ESC


Anonymous:1992:AUa


Anonymous:1992:CPM


Anonymous:1996:JPM


Anonymous:1997:BRMf


Anonymous:1997:BRPj


Anonymous:19xx:URE

REFERENCES

Anonymous:2001:MLP

Anonymous:2017:ENS

Antimirov:1995:PDR

Antimirov:1996:PDR

Abouelhoda:2002:OES

Arbe:2007:FLT
REFERENCES


REFERENCES


[AS04] Tom Archer and Nishant Sivakumar. *Extending MFC applications with the .NET framework*. Addison-Wesley, Reading,
REFERENCES


Alzina:1999:PMI


Ashdown:1985:PPM


Al-Ssulami:2017:FSM


Asperti:2012:CPD


Apostolico:2002:CPM

REFERENCES


REFERENCES


REFERENCES


REFERENCES


Bose:1993:PMP


Bose:1998:PMP


Burton:1993:PMA


Brazma:1994:ELR


Bunke:1995:IAC


Bird:2006:BSE

REFERENCES


REFERENCES

April 2007. CODEN JACOAH. ISSN 0004-5411 (print), 1557-735X (electronic).


REFERENCES


[BFK+03] Adam L. Buchsbaum, Glenn S. Fowler, Balachannder Kirishnamurthy, Kiem-Phong Vo, and Jia Wang. Fast prefix match-
REFERENCES

Badkobeh:2013:BJS

Bloom:2009:TRC

Brisaboa:2010:DLT

Bohannon:2008:BRL

Buneman:2000:UQL
Broberg:2004:REP


Breslauer:1990:OTP


Breslauer:1991:LBP


Breslauer:1992:LBP


Breslauer:1995:ESM


Breslauer:2014:RTS

REFERENCES

22:??, August 2014. ISSN 1549-6325 (print), 1549-6333 (electronic).


REFERENCES

Breslauer:2013:SRT

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


[BJK+12] Lukas Blunschi, Claudio Jossen, Donald Kossmann, Magdalini Mori, and Kurt Stockinger. SODA: generating SQL
REFERENCES


sub/browse/browse.cgi?year=1993&volume=120&issue=2&aid=1327.


REFERENCES


[BM77] Robert S. Boyer and J. Strother Moore. A fast string searching algorithm. Communications of the Association for Com-
puting Machinery, 20(10):762–772, October 1977. CODEN CACMA2. ISSN 0001-0782 (print), 1557-7317 (electronic). See also [KMP77b, Sun90, BYG92].


Booth:1980:LLC


Bowman:1987:PMU


Brzozowski:1963:CSM


Baturo:2009:CSM


Bradford:1990:SMB


Brazma:1994:EAL


Brazma:1995:LRE

Breslauer:1993:SCC


Breslauer:1994:DMU


Breslauer:1994:TSS


Breslauer:1995:FPS


Breslauer:1996:SCC


Barcelo:2013:PRE

Brownlee:1977:ABI


Bronstein:1993:IPI


Brzozowski:1962:SRE


Brzozowski:1964:RES


Brzozowski:1964:DRE


Brzozowski:1965:REL


Berry:1986:RED

Bentley:1997:FAS


Breslav:2007:DPS


Baba:2003:NRA


Barsky:2008:GAT


Bakar:2000:ERE


Brodie:2006:SAH


**Barrero:1983:RLT**


**Barrero:1983:RTE**


**Bundy:1994:ADC**


**Bunke:1995:FAM**


**Burkowski:1982:HHS**

&arnumber=1676098. See correction [Bur84].
REFERENCES


REFERENCES

Computer Science. Springer-Verlag, Berlin, Germany / Hei-
delberg, Germany / London, UK / etc., 2003. CODEN LNCSD9. ISBN 3-540-40311-6 (paperback). ISSN 0302-
series/0558/tocs/t2676.htm; http://www.springerlink.
com/content/978-3-540-40311-1; http://www.springerlink.
com/openurl.asp?genre=issue&issn=0302-9743&volume=
2676. Also available via the World Wide Web.

matching using fixed-queries trees. Lecture Notes in Computer
Science, 807:198–212, 1994. CODEN LNCSD9. ISSN 0020-
0190 (print), 1872-6119 (electronic).

[BYF96] Ricardo A. Baeza-Yates and Luis O. Fuentes. A framework
to animate string algorithms. Information Processing Letters,
59(5):241–244, September 9, 1996. CODEN IFPLAT. ISSN
0020-0190 (print), 1872-6119 (electronic).

[BYG92] Ricardo Baeza-Yates and Gaston H. Gonnet. A new ap-
proach to text searching. Communications of the Associa-
CODEN CACMA2. ISSN 0001-0782 (print), 1557-7317 (elec-
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
[KMP77b], [BM77], [KR81], [Sun90], and [WM92a].

searching for regular expressions or automaton searching on
tries. Journal of the Association for Computing Machinery,
43(6):915–936, November 1996. CODEN JACOAH. ISSN
acm.org/pubs/toc/Abstracts/jacm/235810.html.
REFERENCES


REFERENCES


REFERENCES

Campanelli:2012:PMS

Cole:1993:OFP

Crochemore:1994:STS

Crochemore:1999:FPM

Chang:2009:HTF
REFERENCES


Chen:2005:ESM


Chew:1995:GPM


Champarnaud:2015:TSD


Corradini:1995:FAM


Calvanese:2008:CQC


Cochran:2015:PBP

REFERENCEs


REFERENCES


REFERENCES


REFERENCES

Crochemore:1994:CPM


Colussi:1990:ECS


Crochemore:1997:CTR


Crochemore:1998:CTO


Cabello:2008:PCD

[CGK08] Sergio Cabello, Panos Giannopoulos, and Christian Knauer. On the parameterized complexity of d-dimensional point set


REFERENCES


REFERENCES


Choffrut:2004:SMO


Char:1986:PSS


Chase:1987:IBT


Chang:1993:SPMab

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Jean-Marc Champarnaud, Éric Langerotte, Faissal Ouardi, and Djelloul Ziadi. From regular weighted expressions to fi-


Cormode:2007:SED


Cho:2008:IAB


Chandran:2008:IAO


Consens:2010:EXW


Cho:2008:DNP


Cruz:1987:GQL

Isabel F. Cruz, Alberto O. Mendelzon, and Peter T. Wood. A graphical query language supporting recursion. In Dayal
REFERENCES


Chavez:2002:MIA


Cho:2015:FAO


Cobbs:1994:FIA


Cohen:1990:CLP


Cole:1994:TBC

REFERENCES

**Colussi:1994:FPM**


**Cooperman:1986:SMC**


**Cooper:1989:FHO**


**Cope:1991:RMU**

REFERENCEs


REFERENCES


Crochemore:1991:UKM


Crochemore:1992:NTD


Crochemore:1994:TDP


Chen:1995:FPM


Crochemore:1995:LTA


Crochemore:1986:TR

REFERENCES

Crochemore:1992:FSI


Crochemore:1992:SMO


Chazottes:2006:APM


Cardoze:1998:PMS


Choi:2011:CPM


Campeanu:2003:FSP

REFERENCES

Colussi:1996:HCC


Chen:1998:EAS


IEEE:1986:PCI


Cleary:1984:DCU


Chen:2013:EMT

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

ODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

DeBosschere:1996:EFL


Deo:2013:PSA


Denning:2011:MIV


DeNicola:2003:NRE


Deng:2015:UFA


daLuz:2007:RET

[dLFM07] Robson da Luz, Mírian Halfeld Ferrari, and Martin A. Muscante. Regular expression transformations to extend regular languages (with application to a Datalog XML schema


Dowek:1993:UPM


Danvy:2006:OBM


dRezende:1995:PSP


Dawson:1996:PPU


REFERENCES


REFERENCES


REFERENCES


[EMC96] N. El-Mabrouk and M. Crochemore. Boyer–Moore strategy to efficient approximate string matching. Lecture Notes in
REFERENCES

Emmelmann:1989:BGE


Eilam-Tzoreff:1988:MPS


Ellis:1998:REC


Ehrenfeucht:1974:CMR


Faloutsos:1985:AMT


Farnum:1992:PTA

Fateman:2015:PAS


Firth:2005:CBA


Farach-Colton:1998:CPM


Farach-Colton:2000:SCS


Ficara:2011:DED

REFERENCES

CODEN IEANEP. ISSN 1063-6692 (print), 1558-2566 (electronic).


REFERENCES


REFERENCES


REFERENCES


Florescu:1998:QCC


Fischetti:1993:CIP


Fischetti:1993:IPO


Fredriksson:2006:EPS

REFERENCES


REFERENCES


REFERENCES


[Fri97b] Bob Friesenhahn. Expect offers Unix scripting — embeddable language offers pattern-matching capabilities. Byte Magazine,
REFERENCES


References


Ferragina:2016:CCO


Fan:2012:PGD


Fan:2013:DTK


Fan:2013:IGP


Fang:2017:SPM


Gaál:2004:DSF


Galil:1975:CLA

[Gal75] Zvi Galil. On converting on-line algorithms into real-time and on real-time algorithms for string-matching and palindrome


Galil:1995:CTO


Ganapathi:1989:PBR


Ganapathi:1989:SPP


Gawrychowski:2012:SEL


Gawrychowski:2013:OPM


Gonnet:1990:AKR


Gonnet:1990:AKS

Garai:2001:CGA


Gelade:2010:SRE


Grabowski:2008:BPS


Grabowski:2011:SMI


Ganapathi:1982:RCC


Galil:1986:ISM

Z. Galil and R. Giancarlo. Improved string matching with $k$ mismatches. *SIGACT News (ACM Special Interest Group on Automata and Computability Theory)*, 17(4):52–54, Spring
1986. CODEN SIGNDM. ISSN 0163-5700 (print), 1943-5827 (electronic).


REFERENCES


<table>
<thead>
<tr>
<th>Reference</th>
<th>Details</th>
</tr>
</thead>
</table>
REFERENCES

[135x681] REFERENCES


REFERENCES

[159]

Geser:2005:TPS


Giancarlo:1993:IDS


Giegerich:1990:CSI


Goto:1977:PHA


Gasieniec:1997:EIP


Gill:1970:SAR


Gillogly:1985:FPM

REFERENCES

0161-1194 (print), 1558-1586 (electronic). URL http://www.informaworld.com/smpp/content~content=a741902694~db=all~order=page.

Gimpel:1973:TDP


Gavrilov:2003:CEM


Ginzburg:1967:PCE


Garhwal:2016:PFR


Grigoriadis:1986:LBC


REFERENCES


REFERENCES


Galil:1990:IAA


Galil:1992:TAI


Gemis:1993:OOP


Gasieniec:2001:TSE


Gasieniec:2003:TSE


Gostanza:1996:NLP

Galil:2004:TDP


Gasieniec:1995:CSS


Gasieniec:1995:ZMR


Gemis:1993:GGO


Garg:1992:CRE

REFERENCES


REFERENCES

ODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).


REFERENCES


REFERENCES


Goldberg:1994:FPS


Gulwani:2010:RBP


Habibi:2004:JRE


Hunt:2002:DIL

REFERENCES


REFERENCES

Han:2013:SEH


Harrison:1971:IST


Harrington:1979:NSI


Harris:1997:SSP


Harada:2002:PMM


REFERENCES


REFERENCES

He:2005:WWS

He:2005:WWS


Haskin:1983:OCH


Herz:1993:ACS


Herz:EPODD-6-3-261


Huynh:2006:ASM


Highnam:1986:OAF

Hirshfeld:1996:ULE


Henrich:1999:OQC


Hudak:1992:RPL


Housden:1977:CSP


Holzer:2011:CRL


Heil:2014:APH

REFERENCES

Hanada:2014:ACL


Heering:1992:IGL


Hemer:1997:RVD


Hazay:2010:EPS


Hundt:2009:CGA


Hazay:2007:APM

[HLS07] Carmit Hazay, Moshe Lewenstein, and Dina Sokol. Approximate parameterized matching. *ACM Transactions on Algo-
REFERENCES


REFERENCES


REFERENCES


REFERENCES

Howard:1996:LLC


Howard:1997:TIC


Hosoya:2001:REP


Hosoya:2003:REP

Huang:1994:PRA


Hung:2000:IVI


Hernandez:2003:DPD


Hume:1991:FSS


Huang:2008:ESS


Hashiguchi:2004:ERB


Hoeffer:2010:SCP

Torsten Hoeffer, Christian Siebert, and Andrew Lumsdaine. Scalable communication protocols for dynamic sparse data ex-


REFERENCES

CODEN LNCSD9. ISSN 0020-0190 (print), 1872-6119 (electronic).


[HVP00] Haruo Hosoya, Jérôme Vouillon, and Benjamin C. Pierce. Regular expression types for XML. *ACM SIGPLAN Notices*, 35(9):11–22, September 2000. CODEN SINODQ. ISSN
REFERENCES

Hosoya:2005:RET


Han:2007:OSR


Hooimeijer:2009:DPS


Hundt:2012:ETD


Hwang:1985:PSC

REFERENCES


REFERENCES


REFERENCES


IEEE:1990:PAS


IEEE:1992:ASF


IEEE:1993:ASF


IEEE:1994:FAS

REFERENCES


**IEEE:1994:PTC**


**IEEE:1994:PTC**


**IEEE:1995:ASF**


**IEEE:1995:PNA**


**IEEE:1997:ASF**

REFERENCES

Street, Suite 300, Silver Spring, MD 20910, USA, 1998. CODY- DEN ASFDPV. ISBN 0-8186-9172-7 (softbound), 0-7803-
5229-7 (casebound), 0-8186-9174-3 (microfiche). ISSN 0272-
98CB36280. IEEE Computer Society Press Order Number
PR9172.

[IEE01a] IEEE. IEEE Std 1003.1-2001 Standard for Information Tech-
nology — Portable Operating System Interface (POSIX) Base
ISBN 1-85912-247-7 (UK), 1-931624-07-0 (US), 0-7381-3047-
8 (print), 0-7381-3010-9 (PDF), 0-7381-3129-6 (CD-ROM). xlv +
448 pp. LCCN ???? Revision of IEEE Std 1003.1-1996 and
IEEE Std 1003.2-1992 Open Group Technical Standard Base

[IEE01b] IEEE. IEEE Std 1003.1-2001 Standard for Information Tech-
nology — Portable Operating System Interface (POSIX) Ra-
ISBN 1-85912-247-7 (UK), 1-931624-07-0 (US), 0-7381-3048-
6 (print), 0-7381-3010-9 (PDF), 0-7381-3129-6 (CD-ROM).
xxxiv + 310 pp. LCCN ???? Revision of IEEE Std 1003.1-
1996 and IEEE Std 1003.2-1992 Open Group Technical Stan-

[IEE01c] IEEE. IEEE Std 1003.1-2001 Standard for Information Tech-
nology — Portable Operating System Interface (POSIX) Shell
ISBN 1-85912-247-7 (UK), 1-931624-07-0 (US), 0-7381-3050-
8 (print), 0-7381-3010-9 (PDF), 0-7381-3129-6 (CD-ROM).
xxxii + 1090 pp. LCCN ???? Revision of IEEE Std 1003.1-
1996 and IEEE Std 1003.2-1992 Open Group Technical Stan-

[IEE01d] IEEE. IEEE Std 1003.1-2001 Standard for Information Tech-
nology — Portable Operating System Interface (POSIX) Sys-
ISBN 1-85912-247-7 (UK), 1-931624-07-0 (US), 0-7381-3094-
X (print), 0-7381-3010-9 (PDF), 0-7381-3129-6 (CD-ROM).


REFERENCES


[IMP01] Costas S. Iliopoulos, Laurent Mouchard, and Yoan J. Pinzon. The max-shift algorithm for approximate string

Iliopoulos:2008:NAP


Iliopoulos:1997:CSF


Indyk:1997:DSC


Indyk:1998:FAS


REFERENCES


Ito:1994:PTA


Inenaga:2005:FCP


Ilie:2002:COU


Jantzen:1985:ERE


Jayaraman:1992:SAL


Jouvelot:1989:RPM

November 1989. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

**Jedrzejowicz:1987:NSC**


**Jiang:2012:SPM**


**Jagadish:2000:ODM**


**Jiang:1993:OWH**


**Jiang:2014:SSJ**

REFERENCES


REFERENCES

Johansen:1969:FGR


Johnson:1994:SMC


Johnson:1994:VTR


Johansen:1995:LSM


Johnson:2001:ECL


Jokinen:1990:PTA

REFERENCES

Jones:2007:CPS


Jorgensen:1992:GCL


James:1973:ACP


Jay:2011:TSI


JaJa:1996:SSC


Johnsen:1983:CTL

REFERENCES


REFERENCES


REFERENCES

Special Interest Group on Computer Science Education), 36 (3):77–81, September 2004. CODEN SIGSD3. ISSN 0097-8418.


REFERENCES


REFERENCES


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


Knight:1995:ARE


Knight:1995:SPM


Kristensen:1985:APF


Knuth:string-search


Knuth:1977:FPM


Knuth:1994:FPM

Donald E. Knuth, James H. Morris, Jr., and Vaughan R. Pratt. Fast pattern matching in strings. In ichi Aoe [iA94],
REFERENCES


Kida:2003:CSU


Kida:2001:MPM


Katoen:2000:PMA


Krauss:2012:PPR


Knight:1989:UMS

REFERENCES


Kuri:2000:PMB


Kucherov:2012:CDP


Kiwi:2011:LAS


Kodratoff:1979:CFS


Kakeshita:1994:FCS

REFERENCES


REFERENCES


Karp:1981:ERP


Karp:1987:ERP


Katajainen:1989:AAS


Katajainen:1992:ALM

Karpinski:1994:AIO


Kucherov:1995:UGR


Kucherov:1997:MSS


Krauss:2008:PMP


Krishnaswami:2009:FPM


Kovaleski:1987:AIS

REFERENCES


REFERENCES


REFERENCES


Kim:1994:FSM


Kurz:2012:CLI


Kucherov:2016:ASM


Karachalias:2015:GMT


Kamel:1993:SRH


Kuo:1990:NSC

REFERENCES

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


Karkkainen:1999:THD


Kucherov:2009:CPM


Kukich:1992:TAC


Kulekci:2010:BNB


Kulick:2011:ESC

Kumar:2015:IAM


Kulekci:2012:FPM


Kim:2007:GAT


Kim:2008:SOF


Kupferman:2002:IAM


Lin:2012:AAA


REFERENCES


REFERENCES


REFERENCES


[LLLC17] Cheng-Hung Lin, Jin-Cheng Li, Chen-Hsiung Liu, and Shih-Chieh Chang. Perfect hashing based parallel algorithms for multiple string matching on graphic pro-


Losemann:2013:CRE


Lancia:2017:SSS


Leonardi:2007:OSR


Losemann:2016:CPD


Lewenstein:2014:LSI


Liu:2016:PCU

Alex X. Liu, Chad R. Meiners, and Eric Torng. Packet classification using binary content addressable memory. *IEEE/
REFERENCES


[Loz08] Antoni Lozano, Ron Y. Pinter, Oleg Rokhlenko, Gabriel Valiente, and Michal Ziv-Ukelson. Seeded tree alignment. IEEE/
REFERENCES


Li:2012:WHT


Lopez:2014:MPR


Luczak:1994:LDC


Laird:1999:REN


Laird:2006:RER

Cameron Laird and Kathryn Soraiz. Regular expressions: Rexx still going strong. UNIX Review, ??:(??):
Libkin:2010:DPM


Lee:2017:DPD


Litvak:2008:PRB


Lam:2008:IAS


Lins:1990:ISU


Landau:1994:PMD


Lewenstein:2006:CPM


Li:2016:RDT


Li:1986:SMC


Leonard:2008:SDP


Lucarella:1996:VRE

REFERENCES


REFERENCES


REFERENCES

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


REFERENCES


REFERENCES


REFERENCES


[MLM+08]  Laurie Murphy, Gary Lewandowski, Renée McCauley, Beth Simon, Lynda Thomas, and Carol Zander. Debugging: the
REFERENCES


[MMDdJ11] Radu Mateescu, Pedro T. Monteiro, Estelle Dumas, and Hidde de Jong. CTRL: Extension of CTL with regular ex-


[MS95] Dennis Moore and W. F. Smyth. A correction to “An optimal algorithm to compute all the covers of a string”. *Information*


REFERENCES


REFERENCES


REFERENCES


REFERENCES


G. Navarro, T. Kida, M. Takeda, A. Shinohara, and S. Arikawa. Faster approximate string matching over com-

Navarro:1998:BPA


Navarro:1999:FRE


Navarro:1999:GPA


Navarro:2000:FFS


Navarro:2001:CDR

REFERENCES


Navarro:2002:FPM


Navarro:2004:NTR


Nicolae:2017:PMM


Neatherway:2012:TBA


Navarro:2005:LBM

REFERENCES


R. Ogawa, Y. Kikuchi, and K. Takahashi. Recent developments in full text database technologies. Journal of the In-
REFERENCES


**Owolabi:1988:FAS**


**Ott:1998:EUW**


**Ordyniak:2016:PSM**


**Ophel:1989:IMR**


**Ong:2011:VHO**


**Oh:2012:MTS**


[ORT08] 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.


REFERENCES


Peng:2012:TBN


Prasad:1994:EEP


Pajares:1998:PRL


Peleg:1987:CPS


Perleberg:1994:SCS


Pettersson:1992:TPM

REFERENCES

Petersen:1994:RSM


Petersen:1995:RPB


Petersen:2002:MPR


Petersen:2007:SMS


Peacocke:1990:ISS


Phillips:1994:ASM


REFERENCES


REFERENCES


Prather:1997:REP


Preoteasa:1999:RBU


Pizzi:2011:FSM


Padberg:1989:CMB


Partsch:1990:FPM


Pai:1993:SCR

REFERENCES


[Pitt:1993:MCD] Leonard Pitt and Manfred K. Warmuth. The minimum consistent DFA problem cannot be approximated within any poly-


REFERENCES


Robinson:1992:HSR


Romero:2014:MPR


Rote:1991:CMH


Rauchwerger:1995:LTS


Rodeh:1981:LAD


Ramesh:1990:PTP


Ramesh:1992:NPM

Rabin:1959:FAT


Regnier:1998:CSP


Rottenstreich:2017:ORC


Rendel:2015:ARL


Rautio:2002:SMSa

REFERENCES

Rautio:2002:SMSb


Reingold:1997:KMP


Rao:1993:ELD


Rutter:2010:CLM


Rytter:1980:CPA


Rytter:1989:NOP

REFERENCES

Stockman:1977:EHC


Sanfeliu:1996:ERC


Sadeh:1993:ASM


Sadeh:1996:UDC


Salmela:2012:ACB


Sandberg:1995:COE

Santini:2015:QSU


Sarmiento:2002:SAS


Sun:2009:DPP


Salter:1980:CLC


Sakakibara:1994:RMR


Stallmann:2007:PAE


REFERENCES


**Sanchez-Cousso:1994:ACA**


**Schilit:1981:SGB**


**Schnoebelen:1988:RCP**


**Schneier:1991:OHF**


**Schneier:1991:OWH**


**Schulzrinne:1995:DCC**

REFERENCES

Schwartz:1999:CRE

Schmid:2013:ICR

Savoy:EPODD-4-2-87

Sittampalam:2001:HOP

Solodkyy:2014:OPM

Sedgewick:1983:A


REFERENCES


REFERENCES


[Socy93] Von-Wun Soo, Jan-Fu Hwang, Tung-Bo Chen, and Chin Yu. Divide-and-conquer, pattern matching, and relaxation meth-

Shepherdson:1959:RTW


Shields:1992:SME


Shields:1997:SMB


Shibuya:2000:GST


Shibuya:2004:GST


REFERENCES


REFERENCES

Shannon:1974:STA


Sperberg-McQueen:1999:SRE


Stubblebine:2004:SHD


Storer:2009:DPD


Storer:2010:DPD


Storer:2011:DDC


REFERENCES


[SS93b] Henry I. Smith and M. L. Schattenburg. X-ray lithography, from 500 to 30 nm: X-ray nanolithography. IBM Jour-
Senoussi:1994:QAT


Silvasti:2010:ELX


Sutinen:1995:UGL


Shawe-Taylor:1996:FSM


Sutinen:1996:FQS


Sklar:2003:PC


REFERENCES


Stomp:2002:CSP


Shibata:1999:PMT


Stubblebine:2003:REP


Stubblebine:2007:REP


Sunday:1990:VFS


REFERENCES


References

1975. CODEN CACMA2. ISSN 0001-0782 (print), 1557-7317 (electronic).


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Tan:2005:HTS


Tharp:1982:PTS


Tian:2005:PMC


Tarhio:1988:GAA


Tarhio:1993:ABM


Turner:1986:OM

Tan:2014:REQ


Tumeo:2012:ACS


Teng:1997:ASS


Tseng:2013:NNE


Tang:1994:MMN


Tang:2014:EPP

REFERENCES


REFERENCES


Vere:1970:TE


Verma:1992:STP


Viksna:2001:PMP


VanWyk:1988:LPE


Veanes:2012:SFS


Vialette:2002:PMP


[Vialette:2004:CCI]


[Vineberg:1977:ICSa]


[Vineberg:1977:ICSb]


[Vishkin:1990:DSN]


[Vishkin:1991:DSN]


[Visser:1999:SPM]
[Veanes:2015:DPS]

[vanNoord:2001:ERE]

[Volanschi:2012:PMM]

[Vouillon:2006:PRT]

[Vilares:2001:AVP]

[Voss:2001:APP]
VanBiljon:1987:RAP


Vieira:2004:LEH


Vespa:2011:DFA


Vespa:2011:MDM


Wadler:1987:VWP

REFERENCES


REFERENCES


Weiser:1983:RSB


Weiner:1984:LRK


Wentworth:1993:GRE


Westly:1997:TTA


Wang:2013:RPM


Wang:2017:GSM

REFERENCES

Winkowski:1978:MFC


Weber:1994:APP


Wolinski:2009:ADA


Wandelt:2015:MCS


Wang:2015:FPPb


Wang:2014:ESS

REFERENCES

2014. CODEN ATDSD3. ISSN 0362-5915 (print), 1557-4644 (electronic).


REFERENCES


REFERENCES


REFERENCES

Ye:2008:DSA


Yu:1995:DTA


Yu:2015:ESS


Yoo:1991:EAL


Yoo:1992:ERE


Yu:2015:EEA

Qiang Yu, Hongwei Huo, Jeffrey Scott Vitter, Jun Huan, and Yakov Nekrich. An efficient exact algorithm for the motif


Zhang:2017:APM


Zetzsche:1989:IPR


Ziadi:1999:OPA


Zou:2009:DJP


Zou:2012:APM


Zhai:2012:MML

Deming Zhai, Hong Chang, Shiguang Shan, Xilin Chen, and Wen Gao. Multiview metric learning with global consistency and local smoothness. *ACM Transactions on Intelligent Sys-

Zobel:1995:FAM


Zielberger:2008:FHO


Zaki:1985:Psa


Zheng:2015:ESS


Zhu:2016:BAC


Zhang:2007:SSS

Zhou:2012:PSG


Ziadi:1996:REL


Zhou:2014:TCS


Zhu:2012:GFE


Zhang:2007:MPP


Zheng:2011:SPM


REFERENCES

(print), 1558-1160 (electronic). PPOPP ’12 conference proceedings.

Zeng:2012:CSB


Zhang:2010:PMW


Zhang:2016:CRA