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

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and

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06 July 2022
Version 1.176

Title word cross-reference

(l, d) [Tan14]. 1 [Mun07]. 2 [ASG99, BSM+07, BZ98, CR95b, KPR97, KD15,
LT90b, OND98, SHCY93, Via02, Via04]. $29.95 [Ano97a]. 3
[BSM+07, CJ93, LT90b, TCCK90]. $65.00 [Ano97b]. 2 [Ram94]. 33
[BGFK15]. 4 [ZLN11]. c [WD99]. c^n [Rob79]. d
[CGK08, CDEK95, GKP19, dRL95]. δ [CIL+03]. ε
[Gef03, HM98, HSW01, Lif03]. K
[COZ09, LVN87, ATX21, ALP04, CLZ+15, CKP+21, CW18a, CW18b, CN21,
FWW13a, FGKU15, GG86, GU16, GN19, GGF13, Gra15, GL89, HT17, JL93, JL96, KRS19a, KRS19b, KVX12, LV88, NYuR15, NR17, QQC+13, WD99].

L1 [LP08, LP11]. L2 [LP11]. L∞ [LP11]. Lp [WC14]. μ [DJ96]. N [ML96a, ML96b, KST94, KWL07, KWLL08, Wag74]. O(modT mod 3) [KKM+85]. O(log log n) [BG90]. O(n^2 log m) [CNS18]. O(n [m/w]) [GF08]. O(n log^2 (n)) [HM98]. O(n log^3 m) [BG90]. O(n log n) [Gef03]. O(s^2) [CZ01]. ω [BdFED+20]. ω^n [Cho78]. ωT [BdFED+20]. q [HK11, KB22, KPA10, STK06, Sal12, ST95, ST96b, ST04, Ukk92]. r [Pol13]. ρ [CFK07]. x^m y^n = z^p [NC92].


.NET [AS04, SM04, Stu07].

'08 [ACM98].


3 [Ruc15]. 3.0 [BWN08]. 30th [IEE89]. 31st [IEE90, KLB12]. 32 [Gro91a].
33rd [IEE92]. 34th [IEE93]. 36th [IEE95a]. 38th [IEE97]. 39th [IEE98].
4 [Ano12, Bro77]. 40th [ACM08]. 4th [Apo93].
5 [B+05]. 50th [IEE09]. 5PM [BEM+12, BEM+13]. 5th [CG94b].
6 [IEE01a, IEE01d, IEE01c]. 68 [HK77]. 6th [BGNP94, GU95].
7 [Rob99]. '79 [Ng79]. 7th [DMVT13, HM96, Hwa85, Win78].
'86 [Cha86, CVP86]. '87 [ACM87, Ano87]. '88 [IEE88]. 8th [AH97].

Abstract [CDL95, Gon02, HOS85b, JO97, LM02, Pre99, AG06, BC93, Chl08, CM95, GPN96, GV00, HOS85a, Pie08, Zei08]. Abstracting [JSH09]. abstraction [Wad87]. Abstractions [Jok90, MNS07]. accelerated [MLC08, SR16]. Accelerating [BBK12, GÁSÁ+13, LLCC13, TT82].
Against [Bun95, HL10, LA12, BSTU08]. Aggregations [CvW18]. aggressive [Dai09]. Agrep [MW92b, GN01, WM92b]. Ahead [Yan95, ZBST14]. Aho [CW13, NK07, PLL10, RKM21, TM05b, TZH +13, TVCM12]. Aid [AC75]. Aided [KP15]. Alberto [Ano97b]. Albuquerque [ACM92a]. Algebra [KN12, LRSV18, SS93a, BFS00, Coo86, Fat15, KMMPN85]. Algebraic [ACM94b, Bro93, Cha86, Hea71, Lev95, Ng79, WN90, BD98, Fat15, McI85, OR11]. Algebras [CM95]. Algol [Bro77, HK77]. Algol-based [Bro77]. Algorithm [AR00, ATX21, AJS92, ACD01, BSTU03, BYN96, Bar81, BC13b, Ben94, Bir10, BM77, Bra94, Bre93, BL16, CF06, CLP98, CF85, Col94a, CH02, CGH +98, FL12a, Gal79, GP90, Gal95, GC01, IMP01, IST05, IS86, KRS97, KST94, Kii10, KV15, KZ02, LHI7, LLCC13, LHI7, LLC17, LJJZ13, LCL06, MW94, MR11, MUHT96, ML96b, Mye92, Mye98, NBY01, OR12, PS10, Pou03, PK85, RKM21, RPE81, Sad96, Ski98, SW09, Sun90, Tak86, VB12, VB98, WPKL13, Wat96, WMM95, Yam01, Al89, AGW13, BGJ89, BM21, BG90, Bre96, BC95, Cha93a, CLS95, CW13, CDC06, CNPS15, CNS18, CR91, Da90, DR06, DSO4, Der95, Dow91, Gal92, GBY90, GLS92, Han93, HFS95, HR03, IXX15, IP96, I84, IS88, KKM +85, KR89, KST92, Kim99, KKR +13, KIH15, LV86b]. algorithm [LVN87, Lee82, Liu81, LHCK04, Maa06, MBY91, Mist03, MS95, Mor90, Mye99, NRO12, Neb06, PLL10, PS90, Per94, Ryt80, SW90, SS94, SGYM00, St02, Tak96b, Tak93, TZYH14, TJD +17, TM05b, TU88, Tho68, TJMC20, WW03, Wat03, Yam19, YTO3, YHV +15, ZC99, dB93]. algorithmic [Alb89]. Algorithmic [ABBH +16]. Algorithms [ACM97b, AHU74, ALR08, iA94, ADLM96, BY96, BLP94, Bak96, BS97, BH02, BJM79, BCFL12, CFP19, CL92, CL97, CHL14, Chu95, CHZ06, CLR90, CR92, CCG +94, DB86, FL12b, FMMSS20, FRU +20, FBY92, Gal76b, GG97, GS85, GIG77, GKS6, Gus97, HUN +19, Hig86, HSTS01, ISN94, JUT96, KPK16, KTU87, KR81a, KR81b, KR87, KP99c, Kh86, KMT +01, Lab12, Lec95, LLC17, LTT6, LS94, Lut02, MR11, MP05, Mut97, Par96, Pol13, Rs98, SV94, SN92, Sed83, Sed90, Sed92, Sim94, Ste94, Tar81a, VG01, YD95, ZZ12, de 82, ALP04, AG97, ADLM01, ARS16, BYF96, Bak93, Bar84, CMO +08, CDDM05, CX20, CLT07, CW10, CCG +93, CT96, CR94, CL96, DC94, DV21, ECSS88, Gal75, Gal76a, Gal84, GG13, HOK18a, HOK18b, HTX17, Ind98, IU91, KB22, KN00]. algorithms [KM13, Lec07, MAC14, MW92b, Mha05, MM07, MR13, NR02, Par98, PD94, QL97, Sa12, Sch91, Sz05, Tan14, THG17, Val09, VHL +12, WZ96, A +08, Len93, Ano97b]. Aligned [LSTW +17, SN94]. Alignment [BLP94, Ben94, BDFW94, HPM94, JWZ94, KK08, LPT12, LPR +08, Pol13, RND97, CIL +17, 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, ABF94a, CR95b, KR94, KRR17, KMRY20, SJNS19, TP97, AF98, AGM05, GP92]. Alphabet-Friendly [SJNS19].
Alphabet-Independent [CR95b, KR94, GP92]. Alphabet-Invariant [KMRY20]. Alphabets [Bre94a, CLP98, Fre02, KTO6, KST12, NR21, Ris16, STK10, Cro92b, Fre03, YHV+15]. Alternating [BL16]. Alternative [Bar81, JWZ94, AP90, Fat15]. Alto [IEE93, IEE98]. always [KMM+20]. Amar [Neu10]. AMASS [KS99]. Ambiguity [MGH93, SL17]. amnino [LVN87]. Analysis [AHU74, AJS92, BBH+87, FO76, KR92, Les95, Liu88, LS94, Par96, Par98, SJ13, SCFC94, SP16, Sca11, SWZ01, WCW82, Yan95, Dsv94, GLS07, GB90, HV93, KT14, MAC14, MP09, MLM+08, NA90, ORP13, PIR17, SW03, TPT13]. analyst [ZV97]. analytical [Bar84]. analyze [CFM00]. analyzer [ZGE85]. Analyzing [HSTS01, MNNS12]. Ancestry [FK16]. Annual [ACM81, ACM87, ACM92a, ACM93a, ACM97b, ACM00, ACM08, AP10, AH97, AT02, FC98, FL08, FJ92, GM11, HM96, IEE90, IEE92, IEE93, IEE95a, IEE97, IEE98, IEE99, KS12a, KU90, Len93, LV06, MZ07, NEH90, ACM74, ACM86, ACM86, ACM89, ACM90b, ACM91, ACM92d, ACM93b, ACM94d, ACM95c, ACM99b, AL01, Apo92, Apo93, ACP05, BYCC03, CG94b, DT87, GU95, GS00, IEE89, IEE95b, PC99, SMD04]. Anomaly [GKW+10]. Answer [KKSL01, ADT15]. Answering [KKSL01, ZCÖZ12, AL08, CDL08, CKC07]. Answers [GN19, Ano92a]. Antidictionaries [STSA99]. Antisymmetric [Gil70]. Antonio [IEE94b]. Ants [FR17, Jol01]. any [PW93]. Apostoico [Ano97b]. Application [GPP04, GT90, Hud89, IK83, MKF91, MGW14, NA90, WKA94, Ak78, CFK07, Fat15, GÁSÁ+13, Laut00, Man76, MW94, MM03, PA10, SHS14, TIA90, WK909, dLFM07]. application-database [SHS14]. application-specific [WK09]. Applications [Bak96, BM00, Brz62, CL94, DMVT13, FK16, Gia93, GV05, HSTS01, Hui92, HN05, IEE94b, IEE95b, IJK08, MHKR12, NR03, Pol13, Sch95, AS04, Bak93, B+07, Che96, CX20, FMdB99, FG99, FLSS93a, FLSS93b, GV00, Ind97, KKP92, RTO15, SR16, SWZ01, SALP20, VHL+12, WYA+07]. Applied [DBH93, PDL98, DGBH93]. Applying [AK08, ScM01]. Approach [ABF94a, CFM17, CCH09, Cox09, DC94, FRKV15, FL12b, GN19, IMR08, KTS99, KS99, LP13, LN19, Lut02, NR98, NR99b, RM88, Sha93, Tar81b, AP13, B+05, BYFG92, BSTU08, BG91a, BCD14, BYK22, FMdB99, GPR95b, GW92, Goo05, HLN09, KD15, LBK08, MF96, Mns03, dSOMY15, PP85, PSK17, SVS97, SD91, SR93]. Approaches [BM08, vNG01, FBMA05, MR13]. Approximate [Aku94, Aku95, AKE+09, AEK+11, ACD01, BYP92, BYN96, BNY97, BNY98, BNY99, BCP02, BH02, BPGR20, BM00, BK93e, Bun95, CJM12, CLS+10, CL90, CL92, CM94, CL94, CCH09, CN02, CH02, CIM+02, EMC96, FUN02, Fre06, Fu96, GP90, GIMV03, GGF13, HD80, HLS07, HT17, HM00, HHL06, HN02, HN05, IMP01, JTYU96, KY919, KM92, KM95a,
KST16, LSW08, LH03, LP11, LLW+15, MW92a, MW92b, Mel95, MM02, MHI17, MM89, 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, Wil94, WM92b, WMM95, ZMAB03, van14, AGW13, B原型96, BLPL92, BFG09, CRV06, DLF+15, DC94, FCLST07, FN04]. approximate [HOK18a, HLS11, HTX17, HFN05, Hyy08, JU91, KST92, KWL07, KNT11, LV86b, LV89, LG16, LT97, LLL13, MW94, MM03, MM07, MBH20, Mus05, Mye99, Nak14, NBY99c, Nav00, NKT01, Nav01a, NF04, NC06, Par98, Sad93, SW90, TLS16, WC14, ZA17, ZD95]. Approximated [PW93]. Approximately [Cob94, KRS19a, KRS19b, Mye95]. Approximating [TY97]. 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]. Architectural [CL09, GSL17, IS90]. Architecture [BYHT18, BTC06, CG87, CF85, HKL14, KL02, LHCH93, Lee09, PLL08, SRV+19, TS05, YP12, FKS06, KRL87, MM07, ZV97]. Architectures [OWP16, TVCM12]. Arden [LHCH93]. area [SV87]. Ariel [Han92]. Arithmetic [Hwa85, MHKR12, CS22, MP88]. Arizona [Apo92, ACM74a]. arm [NHN+20]. Array [CPW88, GHK+91, LK90, WBA83, DK13, LK88, ME97, MM07]. Arrays [AOK02, ABM08, GV05, Neu10, Bak78, CR91, DSV94, GV00, HHL06]. Arrhythmia [ARM+19]. arrivals [SWZ01]. Art [DBGH93, Knu05, Ruc15, WDG+14]. Artificial [IEE94b, ZGY+16]. ASCII [Pol87]. Asian [IEE94a]. Asia-Pacific [IEE94a]. Asilomar [CG94b]. Aspects [FJ92]. Assembly [KS99, MW92b, SNo01, FL71]. assertional [PS90], assertions [Jay92], assessment [HBRV10], assignments [LSO17, Mor02], assist [KKM06]. 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 [ABBH+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, HMU01, HMU07, HSW97, HSW01, KPR97, KPR00, KV15, LT16, Loh10, MS98, MHKR12, MHT09, MY60, Mel95, MSZ17, Moh97, MR09b, NR98, NWE97, Ned98, Pet92, RS59, RSG+19, SRV+19, SM56, SM74, She59, SSSS10, Sim94, UW93, BdFED+20, BDFR08,
collections
[BC13a, CHLS07, CMRV10, HAI02, WL15a]. Colony [ACM83]. Color
[Hui92]. Columbia [ACM92d, ACM08, MG94]. Column [SP16]. Com
[Lia84]. Com-puter [Lia84]. Combating [KEG08]. Combinations
[Knu05], combinator [Sta89]. Combinatorial
[Ano17, BM08, Cro92a, GIVM03, MCI08, SLTB+06, Val09, WCM+94a, WCM+94b, CDDM05, HLNO9, PPDG20, AL01, AP10, Ano92b, Apo93, AH97, AT02, ACP05, BYCC03, CG94b, FC98, FL08, GU95, GS00, GM11, HM6, KS12a, KU09, LH06, MZ07, PC99, SMD04, Lab12].
combinators [LT90a]. Combining [Ber00, JAXA20, HBRV10, NR00].
command [Bhu08]. Comments [Aki78, ZZ12, Gro91a].
commerce [ZCT14].
Common [Ale94, ACR20, FR17, HIRS17, IF94, KRS19a, KRS19b, LZZ13, DK13, FGNU15, Gra15, Maa06, Mid98, MBH20, Rou21, TU88, Mu95, 
MuT95, Mun95]. Commonwealth [ACM89]. Communication
[Bao93, HRN15, HSL10].
community [LGZ14]. Commutative
[Eke95, HY92].
Compact
[Asp12, HAR10, NR01, Ric79, YP12, ZZH16, BFC08, DGM19].

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

Comparative [Bur84, Bur82]. Comparing [Hoc19, Hua94].

Comparison

Complete

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

Complexity

[ABBH+16, BKL07, BKL+02, BDFW94, BCT94, CT96, ECSS88, FBMA05, KB22, SVS97]. Comparisons

Compatible [Anooxx, LT09].

Competitive [DV21].

Compiled [Bho82, KUTU87, Ses96, AP90, Dan91, HF13, KGP+05, Sch88].

Compiler

[AJ89, GFH82, Pet92, vNG01, FKS06, HWF90, Jor92].

compiler.kit

[Abb77], compilers [BGNP94]. Compiling

[AU72, AU73, PS93b, Sch99, GHR+16].

Complete

[GN12, Rob79].

Complexity

[ABBH+16, BKL07, BKL+02, BDFW94, BCT94, CT96, ECSS88, FBMA05, KB22, SVS97]. Comparisons

Complete

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

Complexity

[ABBH+16, BKL07, BKL+02, BDFW94, BCT94, CT96, ECSS88, FBMA05, KB22, SVS97]. Comparisons

Compatible [Anooxx, LT09].

Competitive [DV21].

Compiled [Bho82, KUTU87, Ses96, AP90, Dan91, HF13, KGP+05, Sch88].

Compiler

[AJ89, GFH82, Pet92, vNG01, FKS06, HWF90, Jor92].

compiler.kit

[Abb77], compilers [BGNP94]. Compiling

[AU72, AU73, PS93b, Sch99, GHR+16]. Complete

[GN12, Rob79].
Man97, Neu10, RPE81, RT17, Sad96, SKF+00, SC93, SC95, SC96, SC98, SC99, SC01, SC02, SC03, SC04, SC05, SM09, SM10, SM11, ASG99, AGS96, BFNP10, Cha93b, CDC96, CL96, How96, Lar99, OW03, QZC17, RTT02a.

COMPSAC [IEE95b]. computable [EH88]. Computation [Bro93, COZ09, Cha86, HU79, HMU01, HMU07, Lev95, Ng79, Rao94, WN90, CCI+13, Far19, Han02, Maa06, NHI+20, NA90, PS93a, QZC17, SASU13, Tak96b, YT03, ACM94b].

Computer-Recognized [RJK79]. Computing [ACM69, ACM74, ACM76, ACM81, ACM84, ACM86, ACM90b, ACM91, ACM92d, ACM93b, ACM94d, ACM95c, ACM97c, ACM99b, ACM00, ACM08, BGK>+16, CZOdh17, CFM17, CZ01, Cha94, DT87, DGBH93, FYJ>+17, Fra20, HM98, HM87, ISNH94, LK90, Rot91, RW10, Wo90, 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>+9, JM90, YT03]. condition [Han92, KT90]. Conditional [DJ96]. conditionals [Edw07].

Conflict [YD95]. Conjunctive [CDL08, FLS98, Sch22]. connected [Joh01]. connectivity [Sri88]. conquer [KD15, SW12, SHCY93].

consecutive [KKR+13]. Consensus [BDFW94]. Considered [Sym85].

Consistency [ZCS+12, AL08]. Consistent [PW93, MAI+16]. Constant [ABMN20, BG12, CGG+97, CGH+98, CR99, Gal95, GPR95a, KRR17, Sto96, BM13, Gal92]. Constant-Delay [ABMN20]. Constant-Sized [KRR17]. Constant-Time [BGG12, CGG+97, Gal95, Gal92].

constraints [KC11]. Constrained [CS11, CLT07, NT20, XJT+04, ZJL14]. Constraint [Coh90, CFD97, Smi91].

Constraints [BG19, GR99, ZGS+15, CDL08, ETV21, HW09, KS11a, ZXL+13].

Construct [DKA+15]. constructability [Kar82]. Constructing [IY02a, IY02b, Lei80, JRV96, TUS88, TTHP05]. Construction [BP63, BH96, DPK11, FCFM00, Kos94, Mei08].

Constructions [Ant95, MSZ17, Ant96, Che96]. constructive [Tak96a]. contact [KD15].
Containing [HJ99, CFM00, FSL+15]. Containment [FLS98, CDL08, HN11, SH58]. content [LMT16, MLC08, TLLL09].

D [SHCY93, ASG99, BSM+07, BZ98, CJ93, KD15, LT90b, Mun07, TCCK90, ZLN11]. D-pattern [ASG99, KD15]. DAGs [ZZ12]. daisy [SMT+86]. Dallas [IEE95b, NEH90]. Damaged [SP16]. Dark [Hum99]. Darmstadt [AGS93c]. Data [AS99, AAC+01, BLLW12, B+02, BGNV10, Bon07, CW84, CMNP17, DT87, EF13, FG89, FO76, FBY92, FMA02, Gia93, GG97, Gon83, GS85, Har02,
Data-Parallel \[\text{VMML15, MMS14, GS93b}\]. data-parallelism \[\text{RW93}\].

Database \[\text{ACM83, ACM90a, ACM92b, ACM94c, ACM95b, ACM97a, ACM98, ACM99a, ACM06, ACM07, CCL87, HF13, HAI02, VB98, GPTV93, IIK08, KLB12, Len11, OKT92, SSI14, SR16, ZCÔ09, KKP92}\]. Databases \[\text{AAC17, AOV99, CCH09, GNU94, Pou93, CN21, FLC19, WZS95, ZCT14, ZCÔZ12}\]. Dataflow \[\text{PK85, Ray96}\]. Datalog \[\text{dLFM07}\]. datatypes \[\text{JR15a}\].

Dates \[\text{SM99, HN00}\]. dbC \[\text{GS93b}\]. DC \[\text{ACM84}\]. DCC \[\text{SC98, SC04, SC05, SC93, SC95, SC96, SC99, SC01, SC02, SC03, SM09, SM11}\]. DDC \[\text{SM10}\]. De-Compositional \[\text{LN19}\]. Dead \[\text{Cox10c, MD10}\]. Death \[\text{CGP08}\]. Debugging \[\text{MLM08}\]. December \[\text{A08, IEE94a}\].

decentralized \[\text{SMT+86}\]. Decidability \[\text{Asp12, Kar82, San15}\]. Deciding \[\text{CDLM17, Gaà04, MPdS12}\]. decipherability \[\text{AG84}\]. Decision \[\text{MNS10, R559, HW09, TN13, TN15}\]. Declarations \[\text{MGH93}\].

Declarative \[\text{ADR15, FKRV16, Spi99a, Spi99b, KLR08}\]. Decoding \[\text{Sto96}\].

Decomposition \[\text{KVX12, P93b}\]. deduction \[\text{Bun94, HR03}\]. Deep \[\text{CMS08, LLLL08, LLC17, VWR11, YP13, ARS16, BAC12, NYuR15, STKD20, SSYW19}\]. definability \[\text{CDLM17}\]. Definable \[\text{BLSS03, Cho78}\]. Defined \[\text{KMRY20, PSK17}\]. definition \[\text{Yod91}\]. definitional \[\text{CKC07}\].

Definitions \[\text{IEE01a}\]. deformation \[\text{BCWG09}\]. Degenerate \[\text{DW17, IMR08, LHH+17, BPPR20, DGG+19}\]. Degenerates \[\text{GP18}\]. degree \[\text{HY90, LSV08, YH91}\]. degrees \[\text{YH92}\]. del \[\text{ACM69}\]. Delay \[\text{ABMN20}\]. deletes \[\text{Mei15}\]. demand \[\text{FWDL15}\]. demand-driven \[\text{FWDL15}\].

Demystifying \[\text{WBS22}\]. Denmark \[\text{AH97}\]. denoising \[\text{CDDM05}\].

Denotational \[\text{Gud92, Mal93}\]. denoting \[\text{HSJ04}\]. density \[\text{Sel84}\].

Dependence \[\text{KK95, AFM94}\]. dependences \[\text{BD98}\]. dependencies \[\text{Cox19}\]. Dependent \[\text{Hua94, CDP16, CA20}\]. Dependently \[\text{Xi03, Tej20}\]. depth \[\text{Alb89}\]. Derivation \[\text{Mis03, BGJ89}\]. Derivative \[\text{SL17}\].

Derivative-Based \[\text{SL17}\]. Derivatives \[\text{Ant95, Brz64b, CJM12, CDJM15, ST19, Ant96, ORT08, ORT09, TN13, TN15}\].

derived \[\text{PS90}\]. derivors \[\text{Gie90}\]. Described \[\text{KPR97, KPR00, SA96}\].

DescribeX \[\text{CMRV10}\]. description \[\text{CDL08, FKS06}\]. Descriptive \[\text{GH15, LMN16}\]. Descriptions \[\text{KRS05, KRS97, SC88}\]. Descriptive \[\text{GR96}\]. descriptor \[\text{All82}\]. Design \[\text{AHU74, BCD14, Bir10, Bur84, HL97, OF61, Sk198, ZA87, Bur82, CMS08, Hur84, KCK93, MI07, SW12, WK90}\].

designers \[\text{LS99}\]. Designing \[\text{II09, Mor83, SB09, DC94}\]. Desktop \[\text{Rob99}\].

desukutoppu \[\text{SM04}\]. Detect \[\text{OWP16}\]. Detecting
[GN19, Mut97, TMV^+01, Mar89, Mha05]. Detection
[ARM^+19, BYHT18, CZCD09, GKWi^+10, KKK11, KNMH00, Lee91, LY17,
Les79, PAMP12, SIi83, TS05, WWW^+16, ZLi8, ZLN11, ACF05, BKLE18,
BAC12, BCD14, DNR06, FNP09, GZ10a, Joh94a, KOI94, KAT07, LHCK04,
LGZ^+14, OK94, QLY07, SA77, TBS06, VD17, Hig95]. Determining
[ZZJC20]. Determinism [GGM12]. Deterministic
[BGNV10, BKW92a, BKW92b, FS19, GZ94, GMS12, Ind97, KV15, LY86,
Ned98, TLLL07, VV11, Vis90, Vis91, XLC19, BS86, BBM21, CDLM17,
GHR^+16, GM17, Lau00, LMN16, NdMM02a, SV09]. develop [DV21].
developers [LS99]. Developing [MNNS12]. Development
[JLHB92, LHCH93]. Developmental [YCJK08]. Developing
[PS91, OKT92]. Devices [HAR10, Sym85, CMS08, Pet07]. DFA
[BC13b, CP97, NYuR15, NR01, PW93, TJD^+17, VWR11]. DFA's
[CHP92, FDG^+11]. Diacritic [JZAA19]. Diacritic-Based
[AC93, ACM97b, Gim73, KC99, Nak14]. Discrimination
[KC87]. Disease
[TMV^+01]. Disease-Specific [TMV^+01]. Disjoint
[LS10, YD95]. Disjunctive [HR03]. Disk [WHZ^+17]. Disk-based
[WHZ^+17]. disordered [CGM10]. dispatch [MFRW09]. dispatching
[FMdB99]. Distance
[BCP02, CZOdlH17, D'A98, FMP20, KS94, Ris16, RKH02, TT20, ZCÖ09,
AEP06, AK12, AD11, BC95, CM07, EH88, GF08, HKN14, HOK18b, Len97,
PP208, Rot91, SKS96, TSI13, ZXL^+13, HOK18a]. Distance-join
[ZCÖ09]. distances [AAB^+09]. Distorted [VB98]. Distortion
[KC87]. Distributed
[ASA17, CPW88, IMR08, ML96b, NCKL14, PSP^+18, TVCM12, ZLN11,
AC93, DSt94, FW12, HRN^+15, HFFA09, LQL^+16, LLC03]. Distributed-Memory
[TVCM12]. Distribution [MR11, YJ84].
Diversified [FWW13a]. Divide [KD15, SW12, SHCY93].
DNA [BEL17, CLST+13, CN21, HA102, IMR08, KYG19, KB22, LSTW+17, MT14, NEL17, RLP20, TP97, YT03]. 
DNA/RNA [IMR08]. Do [JL96, Abb77, GGL94, JL93].
do-it-yourself [Abb77]. d’objets [Alb89].
Document [ABMN20, BK93a, BKW92c, DS19, FKRV15, FRU+20, KNS12, 
LMNT16, All82, Arn93, BK93b, BK93c, KRML09, WZS95, WCW82].
Domain [CF85, G ´AS´A+13, PIR17, SKS96].
Donald [Neu10, Ruc15]. Done [LY86].
Don’t [Aku94, BL94, Aku95, CEPR10, KR97, MBY91, NR17].
doubling [CL09]. down [GOMSJVGP08]. DPI [ABBH+16]. DREAM [HRN+15]. 
DReX [ADR15]. Drive [KK02, BC06].
driven [BCD14, FWDL15, GHS82, Mus03, NWE99, Sak21]. Drosophila [YCJK08].
Drum [SP16]. DSL [BCD14]. DSL-driven [BCD14]. DTDs [BNSV10].
Dublin [ABB93]. Duration [XJT+04]. Duration-constrained [XJT+04].
during [Sch81]. Dynamic [AGT89, ALLS07, ACR20, BSM+07, BFNP10, 
CWl+21, Mye98, Sch95, WBA83, ZLN11, BD98, CHLS07, CGM10, 
FlDFA09, HSL10, JSH09, KT14, LYWL08, Mye99].
Dynamics [JM85, MSP+17].
e-commerce [ZCT14]. ECG [TZH+13]. edge [BYK22]. edge-centric [BYK22].
Edinburgh [AOV+99]. Edit [CZOdlH17, JZW94, RKH02, AEP06, 
AK12, BC95, CM07, Len97, LT97, QWX+13, SKS96, ZXL+13]. Edited 
[Ano97b]. editing [DOS93]. edition [Ano12]. Editor 
[Pik87, Pik00, Ritxx, Ano17]. Editorial [AGS93a, AGS93b]. Edsger 
[FvGMGM90]. education [Ker04]. effect [Mha05]. effective [SVM17].
Effective [AG06, FKS06, GN19, XLC19, ZGS+15, KC11, PC02, ZKA12].
effectively [ADT15]. effectiveness [BSY00, DNR06]. Efficiency 
[ALR08, San15]. Efficient 
[AC75, ACR01, ALV92, ALL98a, ALL98b, BKLE18, BDB90, BC93a, 
BA15, BC13b, Ben94, BBI+87, BYHT18, BT21, BYK22, Bra94, BC94, 
BG95, CF06, CCF13, CPF19, COZ09, CGR02, CDDM05, CCI+13, CLT07, 
CGPS13a, DA18, DGG+19, EMC96, FMP20, FMMS20, FRU+20, FT04, 
FM06, GC01, GP01, GP03, Gaw12, GLS07, Gon83, GM17, Gue90, GZ10a, 
GS06, HHH+13, HL10, HH16, HW12, KR81a, KR81b, KR87, KKS97, KS94, 
KT14, KKK11, KRR17, Kos89, LV66a, Lau01, LP13, LKL02, LTL04, MK90, 
MHT09, NEE99, NMM02a, NK07, Owo93, PAMP12, PDC94, 
QLY07, SRV+19, SA96, SWW+12, SLZ+20, TZY114, XQW+13, Yun12, 
ZXL+13, AB09, Ace89, CPT92, CGR03, CLZ+15, CW13, CD96, Cox10b, 
ESL89, FNP09, Fil21, FHP92, GPR95b, GL89, GLS92, LV86b, LVN87, Lee92]. efficient 
[Maa06, MRA+17, NAR08, PLL10, QWX+13, TJ+17, VD17, 
YKGS11, YB13, YHV+15, ZCT14, ZYQ+15, ZKA12, ZYX+12].
Efficiently 
[ADR15, DF00, Kim99]. effort [LG16]. Eighteenth [ACM86, ACM99a]. 
Eighth [ACM97b, B+02, ACM76]. Einführung [HU92]. Elaborating 
[CA20]. elastic [BPPR20]. elastic-degenerate [BPPR20]. Electron
Example [Qui02, Qui00]. Examples [BDD+14, Bra94, BC94, KK08, BGHZ15, GHS12, Kod79, LSO17, SG12, SG16]. Exchange [AL08, ISL10]. Excluding [MBH20]. EXE [CGP+08]. Execution [Han92, MZZ10]. Exercises [BH07]. Exhaustive [IM13, KJS17]. Exit [MOG98]. Expanding [Ham88, VHC88]. Expansion [CF85, Gue90]. Expect [Fri97b]. Expected [CZOdlH17, KU99, CL90]. Experiment [GHS82]. Experimental [ACR01, GIMV03, HBRV10, Lec95, JLFL14]. Experiments [Lec98]. Expert [WS94]. Experts [B+07]. Explicit [For02, CFK07]. Exploiting [GKW+10, Kul11, MKF91, KKM+06, Rém17]. Exploration [FWDL15, SW12]. Explorative [Ker04]. Exploratory [ORPF13]. Explore [Cop91]. EXPLORER [FWDL15]. Exploring [CvW18, CMRV10, BY13]. Explosion [PLT14]. expressibility [tC09]. Expression [Anox, Asp12, BC13b, Bon07, BTC06, C01, CJBW16, CKW09, Cox07, Cox09, Cox10a, Cox12, Dav99, EU98, GJ16, GRS99, Gil21, Gol93, Han13a, Hol84, Ier09, JLK+20, KM92, KM95a, KN12, Lee99, LT16, LN19, MP+14, Mye92, MOG98, NR99a, NR01, Nav01c, Nav04a, NR04, NR21, OWP16, PPA10, Ric79, Sca11, SD95, SM99, SL17, VCS+12, WPKL13, WMM95, YP12, YQW+16, vNG01, BAC12, BvdM21, BFC08, BFG09, BFS04, BH07, COZ09, CJBW13, Ch17, CLT07, CGPS13b, Cox10b, CS22, DF00, F0+11, Fil21, Goo05, HN11, Hos06, HVP00, H00, HP03, HVP05, Hn79, KS08, Kar82, Ker07, Lee82, Le10, Li03, M114, Mor90, NT20, ORT08, ORT09, PIR17, PLT14, PCS99, RTO15, SJ13, SCF+17, Spe85, Stu03, Stu07, SSYW19, SLZ+20, Thu68]. expression [WXZY12, WL15b, WBS22, WW03, WR15, Yam19, YKGS11, YCJ08, YB13, ZHH16, Zia96, ZC99, ZYX+12, dLFM07]. Expressions [ARM+19, AM91, Ano68, Ano12, Anox, Ant95, Bac94, BDD+14, BR20, BF97, Ber00, BGNV10, B04, BC94, BMRR19, BK93a, BKW92c, Brz62, BP63, Brz64b, Brz64a, Brz65, CDLV99, CDLV02, Cam99, CSY03, Cha01, Cha02a, CLOZ04, CJM12, CDJM15, CGR02, CHP92, CC97, CGS17, CDL95, CDL99, Dav03, Dav04, Dav21, Dav22, DM11, FLS98, FU82, Fri02, GGM12, GN12, Ghi62, GS22, Gil70, Gin67, GH13, GH15, HHH+13, Hab04, HM98, Ham88, HWW06, Han13b, HH99, Hir96, HK11, HSW97, HSW01, Hum99, HY02a, IO02b, KT06, KTTU87, Kea91a, KP99b, KP99c, Kn92, KMRY20, KV15, KZ02, KST12, LS99, LS06, LZH98, LM01b, LT09, Loh10, Mad01, MNS10, MY60, MSZ17, MR09b, MPdS12, MGF97, NM10, Org03, OF61, Pak91, PM78, Pat71]. Expressions [Pet02, Pre99, Ray96, Rez92, SA96, Sch99, SSSS10, Sou99, TV14, TB00, Uma97, VHC88, W03, WZU14, XK92, XLC19, Yam01, YPG21, ZGS+15, ZMWL20, AFI98, Ano97a, AGM05, AM95, Ant96, AOMC07, ACM02, BCG07, BY96, BRL13, BdfE+20, BTG83, BG91a, BFDR08, BS86, BNSV10, BNM21, BK86, Bra95, BK93d, BK93b, BK93c, CGR03, CP97, CX20, Ch278, CK2b, CK08, CGPS13a, CDLM17, DL03, EZ74, EZ76, FL71, FHW10, FS19, Fri97a, Fri06a, GLRA11, GR92, Gef03, Gel10, GL03, GL12, GS07, GMS12,
expressions [Lus94, Mag81, MMDdJ11, Mor02, MZZ10, MM89, Nic03, PHXD19, PC02, PIT*+03, PPpDG20, Pra97, RT18, Rob79, Rom14, Ryt89, Sak21, San15, SMS15, Sha88, SY72, SH85, SM04, Stu07, ST19, SMT*+86, TN13, TN15, XJT*04, YH91, YH92, tC09, Hum97a, Hum97b]. Expressive [BLLW12, HS08, MFRW09]. Extend [Cal00, dLFM07]. Extended [Ano68, BK93a, CTF*+98, Gon02, HY90, HL97, KV15, KZ02, NR98, Yan01, YH91, YH92, AM95, BK93b, BK93c, CM95, GV00, JM93, RT18, Rob79, SMT*+86]. Extendible [vNG01]. Extending [AS04, DJ96, Jan85, Kea91a, MSRR00, PMS11, WLF14, Bak78]. Extensible [BAC06, SNM07, BFN*+09]. Extension [Liu86, SNM07, MMDdJ11].

FA [CKW09]. faces [KSWC93]. Factor [ACR01, CFP19, YQW*+16, BH96, HM00]. factored [Gue90]. factoring [DRSS96]. Factorization [KKP16]. Factorizations [DW17]. FAdo [MR05]. fairness [MMDdJ11]. Fall [KOI94]. Fall-in [KOI94]. False [Mut97]. Fascicle [Knu05]. Fast [ADR03, ADR06, ATX21, BYP92, BYR93, BYP96, BYG96, BYN98, BLP18, BC13b, BS97, BFC08, BM77, Bre95, BL16, BFK*+03, Bun95, CLP98, CR95a, Chu95, Coh94, CP10, Cox07, CCG*+99, FL12a, Fen01a, FNU02, Gal76b, GS80, Gia93, GII85, HAR10, HS91, KST94, KKS10, KMP77, KMP94, KVX12, KNNM00, KRLM09, LV88, LV89, Lec07, LT16, LCL10, Man94, Man97, MUHT96, MPN*+14, Mon17, Mye98, NR98, NBV99a, NR99a, NR00, NR01, NR03, Neb06, Ot94, OM88, PPA10, Quo92, Ris16, RLP20, Sen00, ST96a, SNZY00, Sun90, Tar81a, Vis91, WM92b, WM92a, YKGS11, ZS17, Zha17, AK08, AG84, CDC96, CNPS15, CCG*+93, Coo89, Der95, DC94, FDG*+11, II86, KW19, KTP10, LHC04, Mye99, NBV99c, Nav01b, PS90, RM06, RW10, SW90, Tak93, TLL10, Vis90, WL15b]. Faster [ASM17, ALP04, AKT06, BAY96, BYN99, CH02, DGM90, DGM94, Fre02, GZ94, HN02, Ind98, Jez15, Lh09, NKT*+01, SB09, FCL10, Yam19].

Fastest [Col94b]. fault [BKLE18, BG91a]. fault-tolerant [BG91a]. Feasibility [HTK*+21]. feasible [ATdM07]. Feature [Bac94, WSW16].

Fukuoka [AT02]. full [KWLL08, OKT92]. full-text [KWLL08]. Fully
[CDL95, IST05, Jez15, GR99]. Function
[AK09b, BR20, Jon13, MCP17, Ric79, CT96, FF08, GT90]. Functional
[ACM92c, Bir10, BK98, Hud89, JR15a, Pou93, Che08, DA20, Fil2i, FHW10,
GÁSÁ+13, HJW+92, Mal93, OR11, Sch88]. Functions
[Sch91, Dow93, Kfod79, Yod91]. further [dSYM15]. Fundamental
[Sym85]. Further [Gro91a, KR22]. Fusing [SVMM17]. Fusion [SDM01].
future [LG16]. Fuzzy [GJ16, GN01, BC13a, WSS94, WLF14, ZBST14].
Hairpin [CDJM15]. Hamiltonian [YT03]. Hamming
[HOK18a, AD11, GF08, HOK18b, Ris16, TT20]. HAMPI [KGA+12].
Handwritten [CLP95, SKS96]. hard [LMM17]. Hardware
[Bur84, HH83, HKL+14, Lee09, Lutt02, MGW14, OWP16, PKS85, Rob92, ZS17,
AK08, ACF05, Bur82, FNP09, GZ10a, Hru84, KKM+06, MP88, MLC08].
hardware-accelerated [MLC08]. hardware-assist [KKM+06].
Hardware-Based [HH83]. harmonic [BCWG09]. Hash
[CCH09, Dav73, RJK79, Sch91, KB22]. Hashing
[Bur84, CKW09, CG79a, CG79b, GIG77, Gri79, Har71, LLLC17, TK07,
AS17, Bur82, Kim99, TLLL07, XMLC11]. Haskell
[HW1+92, Jon07, VLP17, Wen93]. Hausdorff [Rot91]. Head
[VV304]. Helsinki [KS12a]. Hershey [ACM76]. Heterogeneous
[MM02, MM03]. heuristic [BCD98, Mus05]. Heuristics
[CIL+03, Han13b, KR92]. Hierarchical
[GM02, IK83, Loh10, Coo89, KAT07]. hierarchy [Lar98]. High
[BYHT18, BTC06, CGM10, Ear74, JLK+20, JGZL12, LK90, Lee09, LPT12,
RS+19, TS05, VCS+12, Wea94, YP12, ASJW18, Dit78, HC87, LK88,
LH13a, PLT14, SW12, SNB+19, TLLL07, XMLC11, ZYX+12]. High-level
[Wea94, ASJW18, HC87, SW12]. High-Performance
[JLK+20, Lee09, YP12, CGM10, SNB+19]. High-Speed
[BYHT18, LK90, VCS+12, LK88, PLT14, TLLL07, XMLC11].
High-Throughput [BTC06, LPT12]. Higher
[HW12, JR15b, KU99, SDM01, Cil08, NRO12, OR11, Pie08, Zki08]. Higher-Dimensional [KU99]. Higher-Order
[HW12, JR15b, SDM01, Cil08, NRO12, OR11, Pie08, Zki08]. Highly
[BEL17, BKL97, BKL+02, GHK+91, NEL17, BFKL13, CDC96, MAC14].
highly-threaded [MAC14]. History [LG16, Ritxx]. HMM [SB09]. Holism

Hyphenation [Lia84]. Hybrid [CLP95, LHZ98, LLC17, SF01, SW09, VB12, AVN22, Gri85, LLL13]. HydroJ [LLC03]. hyogen [SM04]. Hypercube [Les94]. Hypermedia [LZ96]. Hypertext [ALL97, ALL00, Nav98, PK95, Nav00, SD91].

I/O [PSK08, ZYQ+15]. IBM [HKL+14, Wei84]. ICL [CPW88]. Icon [Gri83, Gri85, Wal89]. Iconic [GL86]. ID [BCD98]. Ideas [Bee81, Wal09]. Identification [Cob94, LZ18]. Identifying [FLSS93a, FLSS93b]. identities [McI85]. idf [TP07a, TP07b]. Idiom [KKM+13, KKM+06]. IDPM [LJH+17]. IEEE [Bao93, CVP86, IEE09]. ifs [Edw07]. II [AU73, OSM94a, OSM94b]. Illinois [Hwa85, Hwa85]. illustrating [HWF90]. Image [DS19, How97, LV94, SN92, VB98, AS99, AGS96, ZC89]. Images [GR96, KPR97, KPR00, KS06, How96, KS05, YCJ10]. Imaging [AGS93a, AGS93b, AGS93c]. immerssion [HFI+08]. impact [MBH20, NEH90, NCV10]. Implement [Cha01, Cha02a]. Implementation [Bar81, Gim73, Har71, HOS85a, HOS85b, LZ18, MHT09, RND97, Vin77a, Vin77b, Yun12, Aoe89, AG84, Bro77, MK90, NK07, PLL10, PD12, PCS99, ZYX+12]. implementations [NK14]. Implementing [AM91, Gri83, LT09a, BBvdM21, 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 [Cha87]. Improvements [CK92].

Improving [AYS84, Bir77b, DHPT10, Gal79, GKW+10, Hyy08, NBY01, YQW+16]. In-degree [LSV08]. In-Memory [SRV+19, TT20]. In-place [HTX17]. In-Storage [JKL+20]. in-vehicle [BKL18]. Inclusion [CX20, CGPS13b, CGPS13a, Hov12]. Inclusive [MIH17]. Incomplete [NCKL14, Ritx]. Inconsistencies [FKR16]. incorporate [SK96]. Increased [HFN05]. Increasing [HR00]. Incremental [FWW13b, HRR92, Mey85, ISY88]. Independent [ABF94a, CR95b, CR94, GP92]. InDesign [Kah06]. Indeterminate [DW17, SW09]. Indent [BBd21, GHTK21, Man86, Zve80, All82, CRO3, DGM19, HLS+11, KWL07, KWLL08, KST16, NC06, TPT13, ZCT14]. index-sensitive [TPT13], indexed [GMC02, GO12, Sen00]. Indexes [CLS+10, KRR17, RNOM09, CHLS07]. Indexing [Gib21, GL86, GV05, KKL01, LMRT14, LM01b, NBY99b, SWY75, GV00, HAI02, SJ13]. Indianapolis [DBGH93]. indirect [DSv94]. inductive [ASJD18, CL09]. Inference [BNSV10, BGNV10, JM93, Tej20, Van06]. Infinite
Infix [HWW06]. Infix-Free [HWW06]. Inflectional [TB00]. Influence [FTJ95]. Inform [Gro91a]. Information [FKRV15, FKR16, FBY92, IEE01a, IEE01d, IEE01c, IEE01b, LZ96, MKF91, MSP+17, SD91, Sno01, FKR13, Kit94, KLR+08, Lus94, SHS14, SKS96]. Informative [IEE01b]. inheritance [Mor02]. Inner [BF97]. Input [TJD+17, Sak21]. input-driven [Sak21]. Inputs [CGP+08]. Inspection [LLLL08, LLC17, VWR11, YP13, ARS16, BAC12, NYuR15, SSYW19]. Inspired [GWvG10, Pet92]. instance [FK96]. instant [Abb77]. instructions [KKM+06]. insufficient [LG16]. Integer [Nav04a]. integers [Mat94]. integration [BGG+94, FU82, WBA83]. Integration [Har79, Fat15]. Intelligibility [IEE94b, Rob92]. intelligent [JLHB92]. Interaction [BNV+13, HR00]. Interactions [BNV+13]. Interactive [Han02, MR05, BH07, DKP11, MI07]. interchanges [Chr96]. Interconnect [SRV+19]. interconnection [KRL87]. Interest [DT87]. interests [SW93]. Interface [IEE01a, IEE01d, IEE01c, IEE01b]. Interfaces [IEE01d, PW06]. Interferences [FTJ95]. Interleaving [CGS17, CGPS13a, Gel10]. Internal [ACR20]. International [ACM94b, ABB93, AGS93c, AAC+01, AOV+99, Bao93, B+95, Bro93, Bun94, DMVT13, FMA02, IE95b, KP15, Lev95, Ng79, SW94, Sto92, WN90, A+08, BGNP94, HF13, MG94]. Interpolation [HW12, Lut02]. interpretation [BNV+13, HR00]. Interpretations [BNV+13]. Interpreter [HOS85b, Mae94, Eck89, HOS85a]. Interprocedural [WHZ+17, FWDL15]. Intersection [GN12, HL10, Pet02, CP10, Gel10]. Interval [Via02, Via04, WSS94]. Intractable [FLM+10]. Introducing [LV86b]. Introduction [Bir77b, CM86, CLR90, GS93a, HU79, HMU01, HMU07, PG90, SC88, HU92]. introductory [LS017]. Intrusion [BYHT18, CZCD09, Hig95, KKK11, LY17, TS05, ZL18, ACF05, GZ10a, KAT07, LHCK04, TBS06]. Intrusions [KNM900]. invalid [SMS15]. Invariant [FU98, KMR00, LT03, ZCS97, Dec00, MNU05]. Inverse [AAC+01, GJM97, GHW05]. Inversion [KS94, Gie90, GT90]. inversions [CCF13, FGF11]. Inverted [BBH+87, ZMS93, KWL07]. invisible [EHS07]. invited [Rém17]. Invocation [Kar83]. Invocations [GMN12]. IO [PSK08]. Ireland [ABB93]. Irregular [PCS99]. ISBN [Ano12]. Island [ACP05]. Isomorphism [BJM79, Gro91a, Gro91b, KSH+15, Mäk89]. Israel [AL01]. ISSAC [Lev95, WN90]. ISSAC’93 [Bro93]. ISSAC’94 [ACM94b]. Issue [Ano17, Cro92a, IEE01a, IEE01d, IEE01c, AGS93a, AGS93b]. issues [BG91a, IS90, San15]. Istanbul [SMD04]. Italy [AAC+01, Apo93, FL08, GM11]. Iterable [LM02]. iterated [Jan85].
[Ano96]. java.util.regex [Hab04]. JavaScript [KT14]. Jeffrey [Ano97a].
Java [ACP05]. Jersey [FC98]. Jerusalem [AL01]. Jig [BK93e].
JMatch [LM02]. join [WDG +14, WLF14, ZCÖ09]. joins [BK02, JFL14].
Jose [ACM95b]. JPEG [KS05, KS06]. jQuery [PJR17]. 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, ACM92b, ACM95c, ACM98, ACM99a, ACM06, ACM07, AP10,
Apo93, AH97, ACM05, BYCC03, Bun94, CG94b, FL08, FMA02, GS00, GM11,
HM96, HF13, Hwa85, CVP86, KU09, Len11, Ng79, Sto92]. JVM [BFN +09].

Karp-Rabin [GBY90]. Keeper [Wei84]. Kentucky [ACM89]. Kepler
[TLS16]. kernel [WKR09]. Kernelization [BCKM15]. Key
[CG79a, CG79b, Gri79]. Keys [FFTD15]. Keyword
[And02, GN19, ADT15, CWZ10, OSSK16, QCÖ13, WZ96]. Kief [Bro93].
kinematics [PS93a]. Kleene [Lee82]. Kleenex [GHR16]. KMP [Mor90].
known [KCK93]. Knuth [Bar81, DS04, PV91, Ruc15, Ukko].
Knuth-Morris-Pratt [Bar81]. Komplexitätstheorie [HU92]. Kong
[BB +02]. Korea [ACM05]. Kumar [Hig95].

Labeling [FK16]. Labels [KMRY20]. Lafayette [Hig95]. Laguna [HM96].
lambda [Dow91]. lambda-calculi [Dow91]. Language
[ADR15, Ano68, Fre06, GS93a, GP93, GH90, Gud92, GR96, Hir96, KN17,
LS99, Lu92, MGH97, NM10, SBF80, TB00, VV04, vNG01, Arr93, BK86,
BFS00, CFM00, CM86, CGM06, CK88, CMW87, FL71, FPD08, Fri97b,
HJW +92, Jør92, KH06, KN19, Mal93, MLC08, RT18, RV93, RTO15,
SNB +19, SC88, SNM7, YIAS89, Zia96, DMVT13, DWE89]. Languages
[ACM92a, ACM93a, ACM94a, ACM96a, AAB +17, BLLW12, CM58, HW06,
HU79, HU92, HM01, HM07, Hvd89, K06, KP99c, KLH16, Kor83,
KST12, ND02, SA96, Sch13, Wag74, ACM87, AGM05, BRL13,
BidFED +20, BLSS03, BKW92a, BKW92b, BDM91, Coh90, Dit78, ETV21,
FhiDAF09, HW007, HW03, HS04, HW09, Kesp91, LRV13, McD04, MZZ10,
Mye95, PP85, Rus88, Sak21, Sch88, Smi91, dLFM07, BGNP94]. Large
[AAC +01, AOV +99, BH85, BÖ2, LP13, Ris16, VB98, WHZ +17, ZMSD93,
ABB93, BC13a, CD96, EASK14, HAL02, LYLW08, Owo93, QCÖ13, RW10,
YHV +15, ZD95, ZCÖ09, ZCÖZ12]. Large-Scale [LP13, WHZ +17, LYLW08].
Large [GZ94]. LATA [DMVT13]. latch [Fos89]. Lattice [Mum07]. Law
[AJ89]. LDA [YCJK08]. Learned [HTK +21]. Learning
[BGNV10, Bra94, BC94, Bra95, KK08, Kin92, KK02, Org03, PDL98, SPF08,
SG12, ZCS +12, BDMT16, BC06, Ker04, STK10, VV04]. least
[Boo80, DK13]. Left [NWE97, Ned98, CWZ10, CA20, HR03, Tak96b].
Left-to-Right [NWE97, Ned98, Tak96b]. legacy [Joh94b]. Leif [SC88].

24
Lempel [BFG09, FT95, FT98, KKP16, NR99b, Nav01c, NT05]. Length [BL94, Bre94a, Chu95, LLC17, YJ84, ZGS+15, BFKL13, BGVW12, BC95, CS22, HOK18a, HOK18b, KR97, ZIH10]. Length-Bounded [LLC17].

Lengths [BL94, Bre94a, Chu95, LLC17, YJ84, ZGS+15, BFKL13, BGVW12, BC95, CS22, HOK18a, HOK18b, KR97, ZIH10].

Lengths-Bounded [LLC17].

Lenses [KIH15].

Lenses [BFP08, FPP08].

Less [LMRT14].

Let [ABF96, MW92b].

Lett. [Gro91a].

Letter [AGM05].

Letters [Ale94].

Level [JSC83, ASJDW18, Dit78, Ear74, HC87, KWL07, dSOMY15, SW12, Wea94].

Levels [Lar98].

Leverage [LR14].

Leveraging [MGW14].

Lexical [HKR92, Yan95, ISHY88].

Lexico [KKSL01].

Lexicographic [KKSL01].

Lexico-Syntactic [KKSL01].

Lexicographically [Boo80].

Lexicons [ZMSD93, ZD95].

Libraries [Ano10].

Library [AK09b, CL95, EU98, Ano01, Cox10b, PSK17].

Library-defined [PSK17].

Lie [ABF96].

Life [CM90].

Lightweight [BFNP10, DA18, SNM07].

Like [GHLW15, Hol84, HK11, BTG83, Mis89, YH91].

Lille [KU09].

Limitation [K¨ul10].

Limited [HAR10].

Line [FG98, GG97, Lut02, Pr¨u17, Sno01, Tak86, BEL17, Blu08, CLP95, CT96, FG95, Fre06, Gal75, Joh95, KNT11, NR02, NEL17, Rot91, TIT83].

Linear [BJM79, Brz65, CFP19, Cha94, Cha02b, CGS17, CH03, CR95b, CGPR95, GSS91a, LK90, LO94, Pat71, PRU11, RE81, SS10, CGPS13b, EH88, ETV88, FGF11, GMS12, HKN14, IKX15, KKR+13, LK88, Rep98, SYM00].

Linear-space [IKX15].

Linear-Time [CR95b, GS81a, HKN14].

Linearised [TJMC20].

Linguistic [Haz01].

Linguistically [GWvG10].

Link [LTL04].

Linked [BAP06].

Linux [Blu08, Qui00].

Liquid [VLP17].

LISP [ACM92c, JLHB92, Kod79, MS20, Mu 95, MuT95, Mun95].

List [dSOMY15].

List-of-functors [dSOMY15].

Listless [Jay92].

Lists [Gil85, BAP06].

Literary [HST90].

Literate [Ham88, VHC88].

Lithographic [DMWW77].

lithography [SS93b].

lives [Joh01].

Load [MM02, MM03].

Local [ABH+14, CM94, DJ96, GHK14, MU02, ZCS+12, GSS91a].

Locality [TLC15].

Locality-Centric [TL15].

locally [Mei08].

locating [Mar98].

Locations [ST95, GSS91a].

Log [DJ96].

LOGCFL [Pet02].

Logic [Bac94, GHH+91, Mca94, BdFED+20, CDL08, Coh99, Smi91, TPT13, YIAS89].

Logical [CEW58, Wei84, PP85].

logics [LH03, Pel87, tC09].

London [MZ07].

Long [CLP98, KYG91, Kha16, ML96a].

Longest [ACR20, FGKU15, HR817, KR92, KRS9b, RT17, Rou21, BBHK14, Gra15, NFK+20, HTK+21, KRS9a].

LongestMatch [Huc21].

Look [Yan95, GPN96].

Look-Ahead [Yan95].

lookup [BAC12].

lookup [KW91].

Loops [BF97, FTJ95, KK95, BK86, RP95].

Lossless [How96, Cha93b].

Lossy [LS94, RT17, How96].

Louis [IEE90].

Louisiana [ACM91, ACM97b].

Louisville [ACM89].

Love [GP18].

low [LH13a].

Lower [BG92, CHPZ95, GG91, GJS20, GK86, AGW13, BCKM15, BG91b, CJP13, LI90, LP08, SASU13, SV87].

lower-variance [AGW13].

LR [LK06].

LRPD [RP95].

Lyndon [Fra20, SMDS94].

LZgrep [NT05].

LZSS [LD10].

LZW [GR99, Gaw12, Gaw13, KTS+98, KTS99, TM04, TM05b, TM05a].

LZW-Compressed [Gaw12, GR99].
M [RUG97, Ram94]. Machine [CG87, Cox09, AG84, Nak14, Ram94, WHZ+17]. Machinery [DT87]. Machines [AYS84, Bow87, BP63, JA17, JXA20, Moo64, OF61, YD95, Aoe89, GOMSJVGP08, KAT07, MMS14, Yod91]. macro [Sas79]. Macsyma [JM85]. Madison [FMA02]. maintaining [GO12]. Maintenance [CS18, MG94, KPA10, PA10]. make [JT94, Mei15]. makematch [Kas08a, Kas08b]. Mäkinnen [Gro91a]. Making [ABBH+16, ATdM07]. Male [KT90]. Malicious [HL10, HT14]. Manacher [Akl78]. Management [DT87, FMA02, SW94, Sto92, HF13, WXZ12]. manga [QWH08]. Manipulate [Ghi62]. Manipulating [VMML15]. Manipulation [Ng79, Wea94, GHS12, GS06, Mal93, MR05, RH81]. Manual [Mu 95, MuT95, Mun95, Ski98]. Many [JA17, JXA20, TLC15, Wal88, MAC14]. Many-Core [TLC15, MAC14]. Many-Sorted [Wal88]. Many/Multi [JA17, JXA20]. Many/Multi-core [JA17, JXA20]. map [KD15, SASU13, ZBST14]. map-reduce [SASU13]. Mapping [CFM17, KYG19]. maps [BCWG09]. March [ACM83, IEE94b, SC93, SC95, SC96, SC99, SC01, SC03, SC04, SM09, SM10, SM11]. Marina [ACM69]. Markov [KR14, LBK08]. Marseille [Ng79]. Maryland [ACM90b]. Mass [BM08, LZ18]. Masses [Vol12]. Massive [OR12, YDD15, ZYQ+15]. Massively [CG87]. Mastering [Fri97a, Fri02, Fri06a, LR14, Rom14, Umm97, Ano97a, Hum97a]. Match [GHW05, KR92, LD10, Mor83, Pet92, Ses96, VB98, Zve80, Bak78, BBHK14, DWE89, GJS20, KSVJ15, KCK93, Mei15, ZCÖ09, ZCÖZ12, HC87]. Match-Bounds [GHW05]. Matcher [HHS3, Coo86, Ker07]. Matches [Dav73, KF91, Mut97, MOG98, PRU11, GHST17, Mha05, Ukk92, Yamb9, ZD95]. Matching [AOK02, Akr87, ABM08, AC75, AGT89, Aku94, AR00, ACR01, ABF94a, ABF96, ALL97b, ALL97, ALL98a, ALL00, AAL+00, ALR08, AP10, Ano92b, Ano96, Ano17, AYS84, iA94, AT02, ADLM96, AW89, Ash85, AJ92, ACD01, ASA17, BST+03, BYP92, BYCMW94, BYN96, BY96, BYN97, BYN98, BYN99, Bak96, BEM+12, BCP02, BL18, Bex81, BEL17, BH02, BH85, BKL97, BKL+02, BL94, BM00, BBL93, Bow87, BG92, Bre93, Br94a, BCT94, BG95, BCT98, BGG12, BG14, BTC06, BL16, BK93e, Bun95, BZ98, BGJ01, BCF12, BBC+13, CC[12], CF06, CPF19, CFM17, CDN11, CK02a, CLS+10, CL92, CM94, CL94, CCH09, CL97, CLP98, Chat92, CN02, CTF+98, CZCD09, CHL14, CJBW16, CWL+21, CK92, CDEK95, CG94a, CLP95, CM08, CL95, Chu95, CW84, CHZ06, CJPS12, Cof94]. Matching [Co94a, CHP95, CH97a, CH02, CH03, CHL14, Co94b, CG79a, CG79b, Co07, Cox09, Cox10a, Cox12, CP91, Cro92a, CR92, CCG+94, CR95b, CGPR95, CG+97, CGH+98, CIK98, CIM+02, CIL+03, D'A98, DB86, DLG12, DNV7, DCM15, DGM94, Dwe00, EIV04, ET88, Eke95, EMM96, EF13, FT98, FL12a, FL12b, FMP20, FMMS20, FG98, Fl08, FR00, For02, FU98, Fre02, FUN02, FT04, Fre06, Fu95, Fu96, Fu97, GHLW15, Gal76b, Gal79, GS80, Gal81, GP90, GG91, GG92, Gal95, GPP04, GC01, GPR95a, GIP97, GP01, GP03, GMY03, Gaw12, Gaw13, GP93, GM02, Gia93, GG95, GG97,
GM11, Gib21, GS22, Gil85, GKP19, GZ94, Gon02, GK86, Gri79, Gri83, GL01, Gro92, GL86, GV05, GMMN12, HD80, Han13a, Har02, Har97, HAR10, HL10].

Matching [HT14, Haz01, Hea71, HEWK03, Hei01, HL97, HUN+19, HH93a, Hig95, HT17, HO82, HSTS01, How97, Hu92, HW12, HN02, HN05, IS94, IMP01, IMR08, IST05, IS66, IMM+22, IK83, JZAA19, JLK+20, Jez15, JL96, JGZL12, JSTU16, KPR97, KPR00, KU99, KS12a, KR81a, KR81b, KR87, KRS95, KRS97, KO83, KP93, Kes79, Kh16, KTSK99, KMT+01, Ktd09, KST94, KS99, KS91, KS06, KS11b, KS12b, KM92, KM95a, KM95b, KMP77, KLH16, KRR17, Kor83, KMM15, KB18, KK02, KR97, KU09, KNS12, Kül10, KVX12, KNMH00, KC99, Lab12, LSW08, LV94, Lav91, LP13, Le 91, LM01a, Lec95, Lec98, LKL02, Lee09, LY17, LT03, Lec95, LV06, LY86, LTL04, LLLL08, LA12, LLCC13, LH+17, LLC17, LLC17, LP11, Liu86, Liu88, LM02, LT16, LN19, LG+14, LCL06].

Matching [LLW+15, LS94, Lut02, MZ07, Maa06, MS98, MBP22, MKF91, MU02, MW92a, MW92b, MGW14, MR11, MHT09, MUHT96, MP+14, Mel95, Mey85, MM02, MIH17, Moh97, MS01, Mon17, ML96a, ML96b, Mu 95, MuT95, Mun07, MR92, Mut97, Mut00, Mye92, Mye98, Na91, NR98, Nav98, NBY99a, NR99b, NBY99b, NBY01, NR03, Nav04b, NWE97, Ned98, NdMM02b, ND02, NRS18, NCKL14, NR15, NEL17, OR12, OP16, Ott94, OM88, PDL09, PAMP12, PS10, PLL08, PK5, Par6, PV91, PPA10, PW95, Phi94, Pol13, PP09, Pou93, PK5, Pru17, PS93b, RR90, RR92, Rao95, RM88, RTOH2b, RKM21, RS98, Ric79, Ris16, RKHO2, RPE81, RT17, RSG+19, RNOM09, Sad96, SV94, SMD04, STK10, SCFC94, SN92, SP16, Sca11, Sch95, SRR92, SRR95, SD95].

Matching [Sha93, STSA99, SKF+00, Shi01, Shi04, Shi92, SSSS10, Sim83, Sim94, SF01, SdM01, Sli78, Sli83, SW09, Som82, Sp99b, Sto96, ST95, ST96b, ST04, Tak86, Tak94, TMK+02, TS05, TZW94, TU93, TP97, TMV+01, TK07, TL15, TL12a, TL12b, TVCM12, UW93, Ukk10, VSM87, VB12, VWR11, Via02, VG01, VRD01, Vis91, Vis99, VS01, WPKL13, WSW16, WMSG19, Wat96, WKA94, WD99, WBA83, Wri94, WM92b, WMM95, Xi03, XL+19, YP12, YP13, YQW+16, YK11, YJ84, YDW18, Yun12, ZZ12, ZS17, ZS13, ZL18, Zha17, ZLN11, ZST89, Zue96, de 82, van14, AMB+19, ADR03, ADR06, AK08, AK09a, AK78, Ak85, AM17, Alb89, AFC05, AGS99, ALV92, AF92, AFN94, ABF94b, AAL+97a, ALLL98b, AL01, AL04, ABC+04, AKTO6, ALLS07, AAK+09, AAB+09, AEK+11, ABH+14, Ane97b, An01].

Matching [Aoe89, AG84, Apo92, Apo93, AH97, AG97, ACP05, ADLM01, AGS96, AD11, AGW13, AG06, BFKL13, BKLE18, BYR93, BYP96, BYCC03, BSY00, Bak78, Bak93, BDB90, BCD98, BEM+13, BSTU08, Bar22, BFGK15, BR09, BA15, BA16, BBK+14, BBvdM21, BCD14, BPPR20, BLP90, BLPL92, BFC08, BFG09, BVW12, Bi77a, BJ89, BO13, BBL98, BYK22, Bra90, Bra95, BBK12, BBK14, BG90, BG91b, BCT93, Bre95, Bre96, BGM13, BKS02, BDM19, BFK+03, BC93, BEL04, CAD18, CGK08, CPT92, CCF13, CS98, CPW88, CF88, CK04, CM90, CL90, Cha93b, Cha93a, CLZ+15, CKP+21, Cha87, Cha02c, CRV06, CJC93, CR95a, CLS95, CDDM05, CW13,
[CP10, CH82, CG9, CH97b, CG90, CT96, CD89, Coo89, CM07, Cro92b, CG93, CG94b, CR94, CL96, CG99, CCG99, CKC07, Dai09, DR06, DS04, DA18, DG9+19, DGM19, DOS93, Deo06, Der95, Dij76, Dijxx, Dit78, Dow91, Dow93, DC94, DGM90, DR06, DHT10, FLM+10, FW13a, FW13b, FL+19, FC98, FCLST07, FT95, FL13, Fat15, FHV18, Fen01a, Fen01b, FG95, FM099, FDC+11, Fl09, FM00, FM06, Fri97b, Ga04, Gal75, Gal76a, GS81a, GS81b, GS83, Gal84, GG86, GG87, Gal92, GP92, GU05, GR95b, GR99, GU16, GML94, GS00, GGF13, GG13, GMC02, GW92, GB90, GP96, GF08, GGF11, GG06, GL98, GV00, GM17, CZ10, GS06, HWW07, HY92, HLS07, HFN05, HC87, HR03, HH93b, HM06, HK18a].

[CP10, CH92, CG9, CH97b, CG90, CT96, CD89, Coo89, CM07, Cro92b, CG93, CG94b, CR94, CL96, CG99, CCG99, CKC07, Dai09, DR06, DS04, DA18, DG9+19, DGM19, DOS93, Deo06, Der95, Dij76, Dijxx, Dit78, Dow91, Dow93, DC94, DGM90, DR06, DHT10, FLM+10, FW13a, FW13b, FL+19, FC98, FCLST07, FT95, FL13, Fat15, FHV18, Fen01a, Fen01b, FG95, FM099, FDC+11, Fl09, FM00, FM06, Fri97b, Ga04, Gal75, Gal76a, GS81a, GS81b, GS83, Gal84, GG86, GG87, Gal92, GP92, GU05, GR95b, GR99, GU16, GML94, GS00, GGF13, GG13, GMC02, GW92, GB90, GP96, GF08, GGF11, GG06, GL98, GV00, GM17, CZ10, GS06, HWW07, HY92, HLS07, HFN05, HC87, HR03, HH93b, HM06, HK18a].

[HOK18b, HM00, HLS+11, HBRV10, HP01, HP03, HK77, How96, HL09, HHLS06, FHN05, Hy98, IS96, Ier09, Ind97, Ind98, IS90, IJK98, IM13, IS86, ISY88, JM93, JP11, JL93, Joh95, Joh94a, Ju91, KTP10, KSVJ15, KB22, Kas08a, Kas08b, KN00, Kes91, KTS+98, KMS+98, KST92, Kim99, KWL07, KEF+14, KC21, KNT11, KS01, KS05, KMP94, KS96, Kos89, Kos94, KML3, Kri09, KKR+13, KST16, KGP+05, KPA10, KT90, LMM17, LV96a, LV96b, LV98, LV89, Lar99, Lee07, LLC03, LH13a, LH03, LG16, LS01, LP08, Liu81, LHC04, LBK08, LO94, LT97, LLL13, MCF+11, MCF+14, MK90, MNU05, Man76, MBY91, MM10, Mar07, ME97, MA1+16, MP05, Mi85, MM03, MM07, Mis03, MHM+01, MR09a, MB20, MA12, Mun95, Mus03, Mus05, MM89, Mye95].

[Mye99, NYuR15, Nak14, Nar91, NBY99c, NR00, Nav00, NKT+01, Nav01a, Nav01b, NR02, NF04, NT05, NC06, Neb06, NWE99, NdMM02a, NC92, NR17, NK07, Nii90, OK94, dSOMY15, OR11, Oph89, OW03, PS89, PLL10, PPTT15, Par98, PS90, PCT14, PC99, PP94, Per94, Pet07, PMS11, PPZ08, PDC94, PA10, QZC17, Quo92, RM06, RRT02a, RUG97, RTO15, Rus88, RLP20, Sad93, SVK97, STK06, Sal12, SBB19, Sas79, SW90, Sch81, Sch91, Sch88, SZ05, Sen00, SS94, SYG00, ST96a, SN94, Sh97, Sil77, SR16, Sml91, SDS14, SGCW14, SHCV93, Spe85, Spi90a, SRI93, SA77, Sto02, SALP20, SWW+12, SLZ+20, SV87, SNM07, Tak96b, Tak93, TBS06, TZYH14, TJD+17, TM04, TM05b, TM05a, THG17, Tej20, Thi93, TIT83, HIT13, TLS16, TJMC20, TLL07, TLL09, TCC91].

[THL+20, Ukk92, Ukk93, Val09, Van06, VLP17, WVL11, Via04, Vin77a, Vin77b, Vis90, Vol12, Wad87, WZS95, WGMH13, WLF14, WCV14, WIL15b, WZ06, WW03, Wat03, Wea94, XMLC11, YKGS11, Yao97, YT03, YB13, ZMA03, ZHZ10, ZHZ16, ZA17, ZDS018, ZZJC20, ZZYX+12, d939, dRL95, BCKM15, GH82, HTK+21, JD89, Neu10].

[MatchPy], [Matchlib], [Mathematica], [Mathematical], [Material], [Mathematics], [Matos], [Matrices], [Matrix], [Matrix-Vector], [Max], [Max-Shift].

[Matching-Based].

[Matching-Based].

[Matching-Based].

[Matching-Based].

[Matching-Based].

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[Matching-Based].
Maximal
[BJM79, Fra20, IF94, IS86, BGK+16, Che96, GHST17, II86, Ukk92, Rep98].

Maximal-munch [Rep98].

Maximally [BNV+13].

Maximize [LJZZ13].

Maximum [ADLM96, ASA17, OP16, ADLM01, LMMN07].

May
[ACM69, ACM74, ACM76, ACM81, ACM84, ACM86, ACM90b, ACM91, ACM92d, ACM93b, ACM94c, ACM94d, ACM95b, ACM95c, ACM97a, ACM97c, ACM99a, ACM99b, ACM100, ACM108, Apo92, DT87, KLB12, SW94].

Mean [Alb89].

Means [Ray96, SS93a, OW03, WD99].

Measurement [Lee91].

measures [EZ74, EZ76].

Mechanical [NEH90].

mechanics [NEH90].

mechanized [Chl08].

media [VD17].

meet [KSVJ15].

Meeting [NEH90].

Membership [CGS17, GM02, KZ02, Loh10, Pet02, MW94].

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

MEMORY-Based [OWP16].

Memory-Efficient
[KKK11, LP13, PLL10, YKGS11].

Memristive [BBT18].

Memristor [BYHT18].

Merging [Kit94, LK06].

MESA [ZBST14].

Mesh [BM00, CNS18, DKP11].

Meshes [CG94a].

MeshFlow [DNP11].

Message [GM02, GKW+10].

META [Kes79].

META/REDUCE [Kes79].

Metamorphosis [KV15].

metasystem [GT90].

Method
[AYS84, CLP95, Hua94, LPT12, NBY99b, RJK79, SV94, SD95, WZH12, FMb99, GPb95b, Ker94, LLL13, MP09, SSYW19, TIA90].

Methods
[Fal85, GIMV03, SBHM94, BSY00, Per94, SHCY93, TTHP05].

Metric
[BCP02, CN02, ZCS+12, EH88, Jon13, Mag81, NC06].

Metrics [LP11].

Mexico [ACM92a, BYCC03].

MFC [AS04].

Miami [CPV96, IE97].

Michoacan [BYCC03].

Microcomputers [ZA87, ZGE85].

Middleboxes [YDW18].

Miller [CR91].

Milwaukee [ACM81, IEE95a].

MIN
[WPKL13, YD95].

MIN-MAX [WPKL13].

Minimal
[BNV+13, IF94, Ned98, YD95, BGK+16, BH96, HRN+95, KSN1a].

Minimization
[Moh94, ND02, TZW94, AYC90, Kra08].

Minimizing
[GS07].

Minimum
[ASA17, FR17, PW93, Rot91].

Mining
[BGM19, BNV+13, GR99, MSS+19, ZCKY07, AVN22, EASK14, KD15, MR13].

Minneapolis [ACM94c, SW94].

Minnesota [SW94].

MinneSPEC [KL02].

MIPS
[ZZJC20].

Miranda [Tur86].

mirror [LG16].

Mismatch
[ATX21, AEP06, Neb06, Se84].

Mismatches
[AW89, AJ92, BST+03, HT17, KRS9ib, NR15, ALP04, CKP+21, CW18a, CW18b, Der95, FGK15, GG86, GG87, GU16, GGF13, Gra15, GL89, LV86a, NR17, SZ05, KRS19a].

Missing
[DCM15].

Mission
[Lut02].

Missiion-Critical
[Lut02].

Missouri
[IE90].

Missuse
[Hig59].

Mixed
[ASA17].

mixture [Oph89].

ML
[AJ89, Ses96].

MMDBS [DVE89].

MMIX
[Ruc15].

MN
[ACM94c]

mobile
[CFM00].

Modal
[Yod91, tC09].

Model
[CMR18, FYJ+17, GN19, GWvG10, Hig95, MG93, MG97, PP09, SWY75, SCFC94, AB89, Liu81, NRO12, Tak96a, TG96].

Model-based
[GN19].

Modeling
[CLST+13, Haz01, SBHM94, KC15].

Models
[BZ98, CDL95, CDL99, A+08, Coo89, CKC07, LT97, Nak14]. Modern
[AAB+17]. modification [Sch81, TJMC20]. modified [KJS17, Leu97].
Modifier [WWW+16]. Modular [LP13, dSOMY15, MRA+17, MFRW09].
Modulated [AEMS14]. Module [ZS17]. monadic [TPT13]. monads
[PMS11]. monitors [AtdM07]. monoidal [VL17]. Monoids
[DM11, HY92]. Montreal [ACM94d, GS00, Lev95]. Moore
[TJMC20, Ber00, Col94a, DR06, EMC96, Gal79, NT05, Ryt80, STK10, Sto02,
Tak96b, TU93, WW03]. Moore-style [WW03]. Morelia [BYCC03].
MorphJ [HS08]. morphology [Mus03]. morphology-driven [Mus03].
Morris [Bar81, DS04, Ukk10, PV91]. most
[FL13, GFG11, HY90, LR14, YH91]. Motif [BNV+13, Tan14, YHV+15].
Motion [CZW15, KC99]. motivate [Fla88]. moves [CM07]. moyenne
[Alb89]. MPI [MM02, MM03, PSK08]. MPI-IO [PSK08]. MR [Gro91a].
MT [ZV97]. Mukherjee [Neo10]. Multi
[CJ93, FMdB99, GG95, GG97, Har02, HUN+19, LY17, LT03, LT90a,
NBY99a, OR12, OSSK16, PLL08, TMK+02, WSW16, Alb89, ARS16, CPT92,
CCG+99, ETV88, JKNS00, KTP10, KPA10, OW03, SDA17, XMLC11, YT03].
Multi-attribute [Har02]. Multi-byte [TMK+02]. Multi-combinators
[LT90a]. Multi-Core [LY17, JA17, JUXA20]. Multi-Dimensional
[GG95, GG97, NBY99a, JKNS00, XMLC11]. Multi-field [WSW16].
Multi-method [FMdB99]. multi-pattern
[Alb89, CPT92, CCG+99, KTP10]. multi-patterns [KPA10].
multi-resolution [OW03]. multi-striding [ARS16]. Multi-String
[PLL08, YT03]. multi-tenant [SDA17]. multi-text [YT03].
Multi-Threading [OR12]. Multi-Track [HUN+19, LT03]. Multi-view
[CJ93]. Multibox [Dya94]. Multicast [Sch95]. multicharacter [CW13].
Multicore [YP13, ZLN11]. Multidimensional [SN92]. Multidisciplinary
[Kn89]. Multidisk [KCK93]. multihead [CR87, Pet94]. multilingual
[ZV97]. Multimodal [BWG12]. Multipattern
[STK06, Yun12, ZS13, BBK12]. Multiple
[BYN97, BL094, CF06, CJSPS12, FL12b, Gaw12, IS94, IS96, KTS+98,
KMT+01, KMM15, LLLK16, LT90b, LBKOS8, Mut00, OR12, PW95, SVS97,
SALP20, TM05b, VWR11, CK02b, Dai09, Fen01a, FN04, HFN05, KM13,
KGP+05, KIH15, Maa06, Mhao5, NFO4, PC02, PW06, WLI5a, WZ96, ZC89].
Multiple-pattern [TM05b]. Multiple-Stride [VWR11]. multiplexing
[Quo92]. Multiply [FTJ95]. Multiprocessing [WBA83]. multiprocessor
[Vin77a, Vin77b]. Multitern [Bur84, Bur82]. Multithreaded [EGP14].
Multivariate [CyW18]. Multiview [ZCS+12]. munch [Rep98]. Munich
namedCapture [Hoc19]. Names [VB12]. Nancy [Bun94].
nanolithography [SS93b]. narrowing [AEH94]. Nashville [ACM90a].


network-based [BKLE18]. Networks [CLP95, DCM15, JGZL12, MSP+17, Ray96, SF01, CEMW91, Kin89, KD15, LLL12, LYWL08, MMDJ11, SD91, SDA17, VD17]. Neural [AB89, CG87, CLP95, SF01, Kin89]. neuromata [ˇSW98]. neuropsychology [AB89]. Nevada [ACM95c]. next [KKP92]. next-generation [KKP92]. NFA [ARS16, Cha01, CP97, GS07, HM98, Hyy08, Lif03, PD12, YKGS11, ZYX+12].


O [PSK08, ZYQ+15]. OBDDs [CH04, YKGS11]. obfuscation [OSSK16]. Object [CJ93, GP93, LT90b, Coo89, GPTV93, LLC03, TG96]. Object-Oriented [GP93, LLC03]. Objects [BZ98, SP16, Alb89, HNB+13, IM13, Mar89, MR05]. Oblivious [FV16, HLS+11]. Observations [Hun79, APTS13]. Obtaining [HW07, DR06]. OCaml [Fri06b]. Occurrence [CIL+03, Cha02c, Mus05].
occurrences [FLSS93a, FLSS93b]. OCR [San95, TIAY90]. October [Bao93, IEE89, IEE90, IEE92, IEE95a, IEE97, IEE09]. off [MNS07]. offer [LS99]. Offers [Fri97b]. Offline [MT14]. offs [GHST17]. omega [SMT+86]. omega-extended [SMT+86]. Omni [Wal86]. Omni-Font [Wol86]. On-Line [FG98, GG97, Lut02, Priu17, Tak86, BEL17, CLP95, Fre06, Joh95, KNT11, NEL17, CT96, FG95, Gal75, NR02, TIT83]. One [JKNS00, JL96, LY86, Sch91, She59, WC14, Alb89, AGM05, Bak78, CX20, CR87, CCG+93, GGL94, JL93, LMNT16]. One-dimensional [JKNS00, WC14]. one-letter [AGM05]. one-unambiguous [CX20]. One-Way [JL96, LY86, Sch91, She59, CR87, GGL94, JL93]. Online [FL12a, FMP20, LH13b, PS10, CJP813, 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, MMDdJ11]. Optimal [AOK02, AR00, ABF94b, BB96, CLZ+15, CG94a, CR92, CGH+98, FCLST07, FG95, FG98, FK16, FNU02, Ga84, Ga95, Gaw13, GG97, Hig86, IY02a, IY02b, Ku99, KR94, LMMN07, MS98, MP88, Mor83, Mut00, Nak14, NWE97, NdMM02b, RT17, SN92, BKB+87, BG90, BKS02, COM0+88, CR94, FN04, GS81b, GS83, Gal92, GR99, GHK14, HFA09, IKX15, IP96, KR98, KT90, MSR00, MS95, Neb06, PPT15, Ryt89, ZC99]. Optimally [CCG+93]. Optimising [Chi17]. Optimization [GC01, HJ99, IMM+22, LT90, Sca11, Spi99b, CK02b, KWLL08, KGP+05, SJ13, Spi99a, WV11]. optimizations [PSK17]. Optimized [AK09b]. Optimizing [CJBW13, CJBW16, CMNP17, Kha16, LM01a, KS08]. Optimum [LD10]. Oracle [FPD08, Gl03]. oraced [PPPdG20]. Order [GU16, HW12, JR15b, KEP+14, KAN+17, SDM01, Wag74, BLSS03, CFK17, Chl08, CNPS15, CT96, DGM19, Dow91, Gie90, Kes91, NRO12, OR11, OND98, Pie08, TPT13, Zei08]. Order- [Wag74]. Order-preserving [GU16, KEP+14, CFK17, CNPS15, DGM19]. order-sorted [Gie90, Kes91]. Ordered [Kha16, Cro92b, Gro91a, Gro91b, Mäk98, 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 [ZGY+16]. other [Ano97a, Fri97a, Hoc19]. our [FvGGM90]. outbreak [FNP09]. Outerplanar [BJM79]. Output [PM78]. Outsourced [FHV18, MBP22, YDW18]. Overcoming [Küll0]. overlap [KD15, PSK08]. Overlapping [Ben94, BZ98, CCF13]. Overlaps [AGM19]. Overlay [LT16]. overview [PVA+92, Tur86]. Own [ZGY+16]. Oxford [Ano97b].

P [RUG97]. P2P [LLL12, LYWL08]. Pacific [IEE94a]. Package [van14, Kas08a, Kas08b, Nic03]. packages [Hoc19]. Packed
BCC +13, CCFG12, CFM17, CS98, CDM11, CG87, CK04, CLST +13, Cha02b, CZCD09, CWL +21, CK92, CDEK95, CG94a, CLP95, CM08, CL95, CHZ06, CEPR10, CJP912, CDP14, CH03, Col94b, CG79a, CG79b, Cro92a, CR92, CR95b, CGPR95, CL96, CGH +98, D’A98, DB86, DWE89, DLG12, DN77, Dit78, DCM15, DGM94, Dwe00, EIV04, EF13, EGP14, Far92, FMMS20, FL08, FR00, For02, FNU02, Fu95, Fu96, Fu97, GHLW15, GPP04. Pattern [G01, GRS99, GIK97, GP01, GP03, GIM03, Gaw12, Gaw13, GP93, GM02, Gia93, GG95, GG97, GM11, GMC02, Gil85, GW92, GKP19, GNN06, Giri79, Giri83, GL01, Gro92, GL86, Har02, Har97, HAR10, HH10, HL10, HT14, Haz01, Hea71, HEWK03, Hei01, HL97, HUN +19, Hig95, HO82, HSTS01, How97, HW12, CV86, IMR08, IST05, IMM +22, JLK +20, Jez15, JSC83, KPR07, KPR00, KU99, KS12a, KR81a, KR81b, KR87, KR94, KRS95, KRS97, KN00, KP93, Kes91, Ket79, KTS99, KMT +01, Kid09, KS99, KKL10, KKK11, KS01, KS06, KM92, KM95b, KMP77, KRR17, Kor83, Kra08, KB18, KK02, KU09, KNS12, Kü10, KX12, KNMH00, KC99, Lab12, LV94, Lav91, LP13, LM01a, LKL02, LSTW +17, LY17, LT03, Les95, LV06, LTL04, LA12]. Pattern [LLCC13, LKH +17, LLC17, LP11, Liu86, Liu88, LM02, Lut02, MO70, MS98, MBP22, MKF91, MU02, MW92a, MW92b, MGW14, MR11, MHT09, MUHT96, Mc85, MS01, Mon17, Mu95, MuT95, Mut00, Mye92, Nao91, Nar91, Nav98, NBY99a, NBY99b, NBY01, NRO3, Nav04b, NWE97, Ned98, NDMM02b, ND02, Neu10, NRS18, NCKL14, OR12, OP16, OW03, Ott94, PDL98, PS10, Par96, PV91, Pet92, PW95, PPZ08, PP09, Pou93, PK85, PS93b, RRR90, RR92, Rao95, RM88, RKM21, RS98, Ric79, Ris16, RSG +19, SMD04, SCFC94, SN92, SP16, Sch95, SRR92, SRR95, Se184, Ses96, Sha93, SN94, STSA99, SKF +00, Shi00, Sli04, SSSS10, Sln83, SF01, Sdl01, SW09, Som82, Sp99b, Tak86, Tak94, TMK +02, TM05a, TMV +01, TSI13, TK07, TL12a, TL12b, Ukk10]. Pattern [VSM87, VWR11, Via02, VG01, VRD01, Vis91, Vis99, Vol12, VS01, VB98, WCM +94b, WZ95, WSW16, Wat96, WKA94, WD99, WBA83, WM92b, Xi03, YP13, YK11, YD18, ZZ12, ZZ10, Zha17, ZdSO18, ZLN11, ZTS9, Zue96, ADR03, AD06, AK08, AK09a, Ak178, Alb89, ASC99, AYCLS02, ALV92, ALLLL98b, AL01, ABC +04, AKT06, ALLLS07, ABH +14, Aoo01, Aoe89, Apo92, Apo93, AH97, ACP05, AP90, ADL01, AG06, BKLE18, BYR93, BYCC03, Bak93, BDB90, BEM +13, Bar22, BA15, BA16, BCD14, BPPR20, Bir77a, BG89, BO13, BJK22, Bra95, BBHK14, BKS02, BDM19, CG08, CPT92, CPW88, CF88, CGM10, Cha93b, Cha93a, CKP +21, Cha87, Cha02c, CR06, CR95a, CLS95, CFK17, CNB05, CNS18, CS11, CWZ10, CJPS13, CD16, CA20, CCG +93, CH97b, CT96, CD89, CGR93, CG94b]. pattern [CR94, CCG +99, CKC07, DS04, DA18, DGG +19, DGM19, Dj76, Dijxx, Dow91, Dow93, DGM90, EASK14, ET81, FLM +10, FWW13a, FWW13b, FL +19, FC98, FH18, Fen01b, FBMA05, Fri97b, Gaa04, GP92, GU95, GR99, GU16, GS00, GGF13, GG13, GP96, GJS20, GZ10a, GS06, HW507, HC87, HM96, HBRV10, HP01, HP03, HK77, How96, HL09, Iba97, Ier99, Ind97, IM13, ISHY88, JM94, JP11, Jon07, KTP10, KSVJ15, KS07,
Kas08a, Kas08b, KTS+98, KMS+03, KCK93, Kim99, KS11a, Kin89, KS05, KMP94, KD15, Kos89, Kos94, KM13, Kri09, KKR+13, KGP+05, LLC03, LHI3a, LH03, LS10, LS09, LP08, Liu81, LBK08, LO94, MCF+11, MCF+14, MKR0, Man76, MMZ10, Mar07, MAI+16, MP05, MHM+01, MR09a, MR13, MA12, Mun95, NYuR15, Nav00, Nav01b. pattern
[NR02, NWE99, NdMM02a, NR17, NK07, Nil90, OK94, OR11, Oph89, OSSK16, Owo93, PPTT15, Par98, PS90, PC99, Per94, PMS11, Quo92, RM06, Rus88, SBB19, Sas79, Sch81, Sch91, Sch88, Sen00, SGM00, Sil77, Smi91, SDS14, SGCW14, SHCY93, Spe85, Spi99a, SRI93, Sto02, SALP20, SMN07, TZYH14, TM04, TM05b, Tej20, Thi93, TIT83, IIT13, TLS16, TJMC20, Val09, Van06, VW11, Via04, Vin77a, Vin77b, Vis90, Wad87, WCM94a, WGMH13, WC14, WL15b, WZ96, WW03, Wat03, Wea94, Yao79, YCJK08, ZC89, ZMAB03, ZA17, ZCÖ09, ZCÖZ12, dRL95, JD89, YIAS89, Ano97b]. pattern

Pattern-Based [EGP14, Far92, KS07]. Pattern-Directed [Kor83]. Pattern-Match [Pet92, GJS20]. Pattern-Matching [FR00, KPR97, KPR00, KR81a, KR81b, KR87, KR95, KS97, KP93, KVM96, NWE97, Ned98, Ott94, Pout93, SCFC94, Sch95, SSSS10, SWZ01, WM92b, CL96, GCM02, KN00, CF88, Dijsx, Fri97b, Gaa04, Ier09, KSVJ15, LH13a, Nav01b, NWE99, NdMM02a, OR11, Per94, Sch88, Wea94].

Pattern-Recognition [AWS16]. Patterns [BLR14, BH85, CLP98, CMNP17, Gim73, HNB+13, IS94, JGZL12, Kha16, Les79, Pru17, SB09, TMV+01, ADT15, Alb89, AG06, BLR11, BSM+07, BFS04, Bro77, CP10, Dan91, ETV88, IS96, JSH09, KPA10, KIH15, KRML09, LMM17, MR09a, NdMM02a, Tak93, Ver92, Vou06, Wal89, ZKCY07, ZJL14].


Performance [FWW12, HIK+14, IS90, JLK+20, Lee90, MM02, MM03, RSG+19, Sca11, YP12, YK11, YJ84, CGM10, Fen01b, Hur84, LH13a, SNB+19, SWZ01]. perils [Fen01b]. Periodic [Mat94, CDM11, FLSS93a, FLSS93b, ZKCY07]. Periodicities [Sli83]. Periodicity [GPP04, MAI+16]. Perl [Lab12, Ano97a, Anoxx, Fri97a, Han01, LT09, SPF08, Sno01, SM04, Stu07, Val09].

DRSS96, HF13, KLB12, Len11, MMZ10, KKP92]. Priority [Lav91]. Privacy [MBP22, SJNS19, XZL+19]. Privacy-aware [MBP22]. Privacy-Preserving [SJNS19, XZL+19]. private [WR15]. privatization [RP95]. Probabilistic [AJS92, CZoHi17, LSV08, MHKR12, Sch91, TMV+01]. Probabilities [PM78, Nebo06]. Probability [SCFC94, SD95]. Problem [BCT94, BCT98, CF06, CK02a, FR17, Hui92, KO83, KS11b, KS12b, KZ02, Pet02, PW93, San21, Yau95, Akl78, B+05, BSTU08, BC06, BCT93, CNS18, CM07, Dijs6, Dijsx, FL13, Goo05, Gra15, Gro91a, GZ10b, Hov12, Kar82, KD15, Lei81, Ma90, Mäkö9, Man76, RTO15, Rob79, Sch81, SZ05, Tak96a, Tan14, Tho81, YT03, YHV+15, tCOF, GLS92, BLPL92]. problem-based [BC06]. problem-solving [B+05, Goo05].


Progressive [CZW15, XMLC11].


Property [KKM+85, LM13].


Pushdown [MS98]. Puzzle [BK93e].

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

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

Quantum [IMM+22, Mon17].

Query [AAB+17, FLS98, KM94, LLS+20, AYCLS02, AL08, BFS00, CDL08, CMW87, FWDL15, HRN+15, KSH+15, LRV13, MZZ10, PC02, QWX+13, RM06, XQW+13, ZCÔ09]. query- [FWDL15].

Quick [Rob99]. Quickscan [Sil77]. quirky [MLM+08].

Quoted [PSK17]. Quotient [FPP08].

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

Randomized [AJ92, ACD01, BST+03, CG+97, KR81a, KR81b, KR87, AGW13, CH97b, II86]. range [HFI+08]. Rapid

Rapidly [Dav73]. RASSA [KYG19]. Raster [AGS93a, AGS93b, AGS93c]. Rationale [IEE01b]. Ratios [Huc21]. ray [SS93b]. RDF [HRN+15, KSH+15, LRV13, LRV18]. Re

[ACP17, ORT09, CGR02, CGR03]. re-examined [ORT09]. RE-Tree
[CGR02, CGR03]. **Re-Vectorization** [MCP17]. re2 [Cox10b]. reachability [FWW12, GZ10b]. reachability-bound [GZ10b]. **REACT** [JLK+20].

**Reactive** [HFFA09]. Read [KYG19, FSL+15]. reading [BWG12]. reads [FSL+15]. **Real** [BG14, Gal76a, Gal84, Sl94, Sl98, BGM13, CM90, Gal75].

**Real-Time** [BG14, Sl98, Gal76a, Kos94, BGM13, Gal75]. **Realization** [CEW58, Kl66, TB00, XK92]. **Rearrangement** [AAB+09]. **Reasoning** [ADT15, GNU94, KS07, P80]. **Rebus** [Gri85].

**Recalibration** [BM08]. recipes [B+05, Goo05]. **Recognition** [ACR01, AWS16, BJJ01, CFP9, C97, C93, CTF98, CLP95, Gal76b, GS93a, CV98, LT90b, PDL98, PG90, SA96, W99, Yam01, AAB+05, BWG12, Gal75, Gal76a, KSWC93, KKM+99, KKM+10, Kin89, Sl84, SSK96, ZC99]. recognizable [HY92]. Recognized [RJK79]. recognizers [Fos89]. Recognizing [Ray96].

**Recombinant** [Cop91]. **Reconstruction** [CEW58, Kle56, TB00, XK92]. **Reduction** [KNMH00, She59, DWE89, RP95]. reducibility [KR95].

**Redundancy** [Joh94]. **Redundant** [RJK79]. reexamined [ORT08]. **Refactoring** [WGH13]. refactorization [R+17]. **Reference** [Rob99, Sch14, FPD08, GL03, Mha05, Stu03, Stu07, ZZJC20]. references [FS19, WL15]. referencing [Lar98]. Refined [Pet94, Sch88]. refinement [ASDW18, Mor90]. reflection [HS98, Mor02]. Reflective [Dwe00].

**Refunctionalization** [RT15]. Regenerate [RT18]. **Regexp** [Ano10, BDMT16, Sch13, THL+17]. **Regex** [MMI14]. **Regexpcount** [BH07]. **Regexpcount** [Nic03]. **Region** [Bao98].

**Regions** [CM95]. Register [VSM87]. **Registration** [DMW77]. **Regular** [ARM+19, AM91, ADR15, Ano68, Anoxx, Anoxx, Ant95, Asp12, Bae94, BLR14, BTG83, BDD+14, BR20, BC13b, BF97, Ber00, BGNV10, Br94, BC94, BMS94, BMR19, BTC06, BK93a, BK93d, Brz62, BP63, Brz64b, Brz64a, Brz65, CDLV99, CDLV02, Cam99, CSY03, COZ9, Cha01, Cha02a, CLOZ04, COZ09, CJM12, CDJM15, CGR02, CJBW16, CHP92, CC97, CKW09, CGS17, CDL95, CDL99, Cox07, Cox09, Cox10a, Cox12, CS22, Dav99, Dav03, Dav94, Dav21, Dav22, DM11, EU98, FRU+20, FLS08, FU02, Fr02, GJ16, GRS99, GME12, GN12, Ghi62, Gib21, GS22, Gil70, Gin67, Gol93, Goo05, GL12, GH13, GH15, HHM+13, Hab04, HM98, Ham88, HWW06, Han13a, Han13b, HWJ03, HN11, HJ99, Hir96, Hol84, HK11, Hos06, HPV00, HP01]. **Regular** [HP03, HVP05, HN00, HSW97, HSW01, Hum97a, Hum97b, Hum99, IY02a, IY02b, JL+20, KT06, Kap69, KU87, Kea91a, KP99b, KP99c, Kin92, KM92, KM95a, KL16, KMR20, KN12, KV15,
KZ02, KST12, LS99, LS06, Lar98, Lee09, LZHZ98, LM01b, LTV15, LT16, LN19, LT09, Loh10, Mad01, MS98, Mag81, MNS10, MY60, MPN+14, MSZ17, MR09b, MPdS12, MGF97, Mye92, MOJ98, NR99a, NR01, Nav01c, Nav04a, NR04, NR21, NM10, OWP16, Org03, OF61, ORT08, ORT09, Pak91, PM78, PPA10, Pat71, Pet97, Pre99, Ray96, Res92, Ric79, SA96, Sca11, Sch22, Sch99, SD95, SS93a, Sou99, Spe85, SM99, Stu03, Stu07, SL17, TV14, TB00, Uma97, VCS+12, VHC88, Wag74, WPKL13, Wat96, Wen93, WMM95, WZU14, XK92, XLC19, Yam01, YPG21, YQW+16]. **Regular**

[ZGS+15, ZWML20, Zia96, dLFM07, vNG01, AFI98, Ano97a, AGM05, AM95, Ant96, AOMC07, ACM02, BCG07, BYG96, BBG13, BAC12, BRL13, BdFED+20, BG91a, BDFR08, BBvdM21, BBvdM21, BS86, BNSV10, BFC08, BFG09, BBM21, BK86, Bra95, BH07, BKW92a, BKW92b, BK93b, BK93c, BDM19, CGRO3, CP97, CJBW13, CX20, Chi17, Cho78, CK02b, CLT07, CK08, CGPS13b, CGPS13a, Cox10b, CDLM17, DL03, DF00, EZ74, EZ76, FL71, FDG+11, Fli21, FHW10, Fos89, FS19, Fri97a, Fri06a, GLRLA11, GR92, Gef03, Gel10, GL03, GS07, GMS12, GM17, GH09, HW07, HWW07, HY90, HSJ04, Hoc19, HW09, Hov12, Hun79, Jan85, JSH09, Joh69, Kah06, KR22, KS08, Kar82, Ker07, KGA+12, Kin91, Lau00, Lau01, Lee82, LOS17, Lei80, Lei81, Lei85, LWS+16, Lif03]. **regular**

[LR14, LM13, LMN16, Lus94, MMDdJ11, Mcl04, MR05, Mor02, MZZ10, MM89, NT20, Nic03, PHXD19, PC02, PIR17, PLT14, PIT+03, PPPdG20, RT18, Rob79, Rom14, Ryt89, Sak21, SCF+17, San15, SMS15, SGM00, Sha88, SY72, SH5, SM04, ST19, SSYW19, SLZ+20, SMT+86, TN13, TN15, Vou06, WXZY12, WL15b, WBS22, WW03, Wat03, WR15, XJT+04, Yam19, YKGS11, YH91, YF92, YB13, ZZHZ16, ZC99, ZYX+12, tC99, Tho88, Ano12]. **Regular-Expression**

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

[BTG83]. **regulatory**

[KK02]. **Related**

[CHZ06, AS85, Gro91b, Sri93]. **Relation**

[KAN+17, BLSS03, BÖ13, MAI+16]. **Relationship**

[KX92, GR92]. **relaxation**

[SHCY93]. **relaxed**

[BYK22]. **Reliability**

[FO76]. **Resource**

[FK96]. **resource-bounded**

[KKSL01, CDC96]. **Remark**

[TH08, Pett95, TCC91]. **Remarks**

[CR87]. **Removal**

[KK95, MGF97]. **Renyi**

[AW89]. **repair**

[PHXD19, Huc21]. **Repairing**

[WLS+16]. **repeated**

[LO94, Thi93]. **repetitions**

[Cro86]. **Repetitive**

[CDLM11]. **replacement**

[NAR08]. **Replacing**

[DCM15]. **replication**

[HFFA09]. **Report**

[GS81b, HJW+92]. **Reporting**

[MOG98]. **representable**

[Dow93]. **Representation**

[NR01]. **Representations**

[KAN+17, YB13, ZC89, ZZHZ16]. **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**

[FK96]. **resourceful**

[BFP+08]. **Resources**
restricted [Kin92, OWP16, Lei81]. **Results**

[HAR10, LG16, MP09]. **ResSeq** [FSL+15]. **Restore** [CMR18]. 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, PDM01, SD91, ZKA12]. **Reusability**

[PV91]. **Reuse** [HL97, Rém17]. **Review** [Ano97a, Ano97b, Ano12, Hig95, Hum97a, Hum97b, Lab12, Neu10, Uma97, FL13]. revised [A+08]. revisited [CCI+13, GL01, RUG97]. rewrite [KN00, Ram94]. Rewriting-Based [ND02]. **REX** [Cam99]. Rexx [LS06]. Rey [ACM69].


[ABH+14, BA15, IMR08, MP05, SBHM94, Shi00, Shi04]. RNAi [QLY07]. **rob** [PS93a]. Robust [Le 91, LZ18, WZH12, YP13, BFN+09, HLN09]. Roma [AAC+01]. Root [CHZ06, TLLL07]. root-hashing [TLLL07]. Root-To-Frontier [CHZ06]. Rosenberg [CR91]. Rosser [KKM+85].


S [BGFK15]. safe [HS08]. safer [Rém17]. safety [FF08]. Salomaa [AFI98]. salute [FvGGM90]. sam [Pik87, Pik00]. Samples [GZ94, ST96b, Tak94, Kin91]. Sampling [FMP20, GPR95a, Lut02, Vis91, WSW16, CGR93, Vis90, ZHWW12]. San [ACM92c, ACM92b, ACM93b, ACM95a, ACM95b, DT87, IEE94b, KP15, Sto92, USE92]. Saudeep [Hig95]. SAR [B+02]. SASL [LT90a]. Satellite [SS93a]. Saving [Bre93, Bre96, GS80]. Scaffold [LJZZ13]. Scalable [ARS16, BAC12, BBHK14, BTO10, HSL10, JLK+0, LQ+16, LT16, MT14, SRV+19, VWR11, YP13, ZLN11, AB09, BGFK15, KTP10, PIR17, TLLL09, VW11, WL15b]. Scale [LP13, LYWL08, TZYH14, WHZ+17]. Scaled [BEL04]. Scaling [HW12, MS01, YDDB15, ALV92, HLN09]. Scan [MIIH17, Gre88]. scanner [Hur84, ISHY88]. Scanners [HRR92]. scanning [CWZ10, HFI+08]. SCCs [ZYQ+15]. Scenes [BZ98, BSM+07]. scheduling [LMMN07, Mid98]. schema [IIIK08, MNS07, dLFM07]. Schemas
Scheme [Bur84, FK16, Man94, Man97, Bur82, Kod79, KRL87, LH13a]. Schemes [KK08, Pel87, QWX+13]. School [Cro92a, Ano97a]. Science [ACM89, FJ92, Gus97, IEE89, IEE90, IEE92, IEE93, IEE95a, IEE97, IEE98, IEE99, Ker04, Win78]. Scientific [WCM+94, ORPF13, WCM+94a, WZS95].

Scolopax [ORPF13]. Score [Ben94]. Scores [CLST+13]. Scoring [KK08, OSSK16]. Scotland [AOV+99]. Scottsdale [KLB12]. Scratchpad [JT94]. screening [QPWH08]. Scrimshaw [Arn93]. Scripting [Fri97b, RB05, BFN+09, Blu08, FhDAF09, Han01, LS99]. sesh [Sar02]. Search [AC75, Ber00, BK93e, Cal00, EF13, FG98, GN19, GG97, KR94, Lut02, Man86, NR99a, NR01, Pol01, SED14, SJNS19, SB09, Sun90, WWW+16, YDBB15, Zha07, ZGS+15, AB09, AVN22, BC13a, BC06, FG95, FG99, GHK14, HH16, JRV96, KJS17, LGZ+14, NR02, OSSK16, QQC+13, QLY07, SCF+17, Tan14, Tho68, WDG+14, YHV+15, ZBST14, Cox12].

Search-Space [ZGS+15]. Searches [GN01, MT14, Fen01a, KS08, MW92b, SMS15, WR15]. Searching [BS97, BM77, CC97, CCL87, Dav73, EF95, Gon83, HS91, Knu98, Man94, Man97, Nav01c, NR03, Nav04a, NR04, Ste94, TT82, ZMSD93, AEMS14, BYG92, BYG96, Bar84, CD96, CEMW91, HKN14, Han93, KIH15, Mha05, Mus03, Mus05, Owo93, Per94, Ryt80, SNZBY00, WL15a, WM92a].


September [AAC+01, AOV+99, Len93, MG94, Win78]. Seq [SNB+19]. Sequence [BLP94, BGM19, BDFW94, Bra90, CCL87, GM02, KS99, KK08, LPT12, MGW14, RND97, CLT07, ECSS88, ETV21, GO12, HA102, MBY91, NT20, SSV97]. sequenced [GW92]. Sequences [BLP18, BEL17, CvW18, Gus97, Hua94, IMR08, LJH+17, MT14, NEL17, DPK11, GGN06, KB22, KR14, LNV87, MZZ10, NR02, Nii90, RLP20, Sel84, SN94, ZKCY07, Lut02].
Sequencing [RM06, FSL +15, KRML09]. sequentiability [Gaã04].
Sequential [BP63, Brz64a, Brz65, Dur94, GRS99, GPR95a, Man86, Moh94, MR13, Moo64, OF61, PM78, RS98, Wei83, Zve80, JM90, MMZ10].
SEQUITUR [MHM +01].
Serial [GS93b, LV86b, LV89].
Series [LKL02, MR09b].
Series-Parallel [MR09b].
Server [GSL17, SWZ01].
Server-Side [GSL17].
SeSG [AVN22].
Set [HL10, Hig86, Hui92, KF91, CGK08, CP10, KR97, THL +20, WC14, dRL95, TJD +17].
Sets [AGM19, BNV +13, EIV04, Pol13, Pru17, Vla92, AK09a, Alb89, CS98, Che96, Cho78, Kin91, LMM17, Mat94, Rot91, Sta89, TZYH14].
Seventeenth [ACM89].
Seventh [ACM95c, AAC +01].
SGML [BK93a, BKW92c, BK93b, BK93c, MGH93, MGH97].
SHA [KJS17].
SHA-1 [KJS17].
shading [BSM +07].
Shallow [Cam99].
Shape [BZ98, CTF +98, YJ84, DOS93].
Shapes [HH93a, CT96, HH93b].
Shared [TVCM12, VRD01, SW93].
Simplified [AR00, Bra94, BGM13, Cox07, Gaw12, GL89, IST05, MNS07, Mut00, NR03, Ris16, BBG13, CLS95, Eck89, Fla88, FHP92, IKX15, II86, NBY99c, Pet07].
Simpler [CH02, KC21].
Simplicity [Wol90, Edw07].
Simplified [FYJ +17].
Specified [ZMSD93], specify [CFM00]. Specifying [Luis94, Lut02]. Spectra [BM08, SHCY93], spectrum [ZHWW12]. Speculation [JA17, JXA20]. Speculative [NYuR15, Lus94, Lut02]. Spectra [BM08, SHCY93], spectrum [ZHWW12]. Speculation [JA17, JXA20]. Speculative [NYuR15, Lus94, Lut02]. Speech [Kul11, PG90, RJK79, AAB+86]. Speed [BYHT18, FL12b, JGZL12, WZC+18, ZL18, LK88, PLT14, TLLL07, XMLC11, ZYX+12]. Speeding [CCG+94, Dec06, SKF+00, ACF05]. spelling [AB89, BST00, TIAY90]. spelling-correction [BSY00]. SPIRIT [GRS99]. Split [KKK11, TBS06]. Splitting [RTT02b]. Sprachen [HU92]. Spreadsheet [GHS12, SG16]. spreadsheets [BGHZ15]. Spring [Ano87]. Spring [BMMR19, HY90]. SQL [BJK+12, FPD08]. Square [ACM83, CIK98]. Squares [Rao94, CHS97]. Squib [SM99]. States [DGBH93, LK06]. Static [Cha02b, HV93, JGZL12, WHZ+17, ALLS07, Aoe98, FhDAF09, GLS07, HS08, JU91, LYWL08, MP09, PIR17]. Stationary [KS96, ST96a]. Statistical [BGJO1, GS93a, GWvG10]. Statistics [Maa06, ZZJC20]. Std [IEE01a, IEE01d, IEE01c, IEE01b]. Steady-State [Sut02], stem [YH+15]. step [BD98]. Stereoisomerism [PDL98]. Steven [Ano12]. Stietjes [KC11]. Still [Gon02, LS06]. STOC [ACM08]. Stochastic [SBHM94, YFG21]. Stopper [RTT02b, RTT02a]. Storage [JLKL20, All82, CDC96, G81a, SCF+17]. Strategic [Vis99]. Strategies [CJ93, MM02, AVN22, CDC96, GS81a, SCF+17]. Strategy [Bon07, EMC96, AEH94, LLL13]. stream [Nil90]. Streamed [DCM15]. Streaming [BG14, GKP19, PP09, BGFK15, GHR+16, MRA+17]. StreamQRE [MRA+17]. Streams [CPS12, DLG12, Hat02, CL09, CPM10, San15, SGCW14, TSL13]. strict [HFJ+92]. Stride [VWR11, NYuR15]. stride- [NYuR15]. striding [ARS16]. String [AOV2, Abr87, AC75, Aku94, AR00, ACR01, ADR15, AYS84, IA94, ACD01, B+03, BYP92, BY96, BY96, BY97, BY99, BCP02, BEL17, BH02, BH85, Ber00, BLP90, BL94, BM00, BGVW12, BM77, BG92, Breh93, BCT94, BG95, BCT98, BGG12, BG14, BK93e, BZ98, Bur84, C00-9, CF019, CF98, CK02a, CLS+10, CL92, Cha93b, CM94, CL94, CH90, CL97, CLP98, CN02, CTF+98, CHL14, CH04, Chu95, CW84, C00-9, CHP05, CH97a, CH02, C091, C092b, CCG+94, CGG+97, CIK98, CIM+02, Dav73, DW17, EIMC96, FT95, FT98, FL12a, FL12b, FMP20, FR17, FG98, FV16, Fara0, FU98, Freq0, FT04, Fre06, Gal76b, Gal79, G80, Gal81, GP90, GG91, GG92, Gal95, GPR95a, GHz05, GZ94, Gon02, GFG11, GV05]. String [GMMN12, HD80, HH93a, Hui92, HS91, HN02, N05, IMP01, IK83, JG16, JLFL14, JUT96, Kha16, KST94, KKK11, KS11b, KS12b, KMM15].
LSW08, LP13, Le 91, Lec95, Les94, LY86, LLLL08, LLLC17, LD10, Liu86, Liu88, LCL06, LLW +15, LS94, Mel95, Mey85, MM02, MIH17, Moh97, ML96a, ML96b, Mun07, MR92, Mye98, Nao91, NR98, NBY99b, NR15, NEL17, OM88, PAMP12, PLL08, PK95, PP94, Pet07, Phi94, Rao94, RTT02a, RTT02b, RKHO2, RPE81, RNON09, Sad6, SV96, STK10, SD95, Shi92, Shi97, Sin94, Sli78, Sli83, Spi99b, Ste94, SJNS19, ST95, ST96b, ST04, Stu21, TS05, TU93, TP97, TT82, TLC15, TVCM12, UW93, VMML15, Wri94, YP16, YDW18, ZS17, ZS13, ZGS+15, ZML12, de 82, van14, Aku95, ASM17, ACF05, AVN22, ALP04, AAK09, AEMS14, AGW13, BFKL13, BYF96, BYP96, BSY00, Bak84, Bar84, BR09, BKB +14, BLPL92, BFG09, BFP +08, BG90, BG91b, BCT93, Bre94b, Bre95, Bre96, BGM13, BUR82, BEL04, CADA18, CCF13, CL90, Cha93a, CDDM05, CW13, CW18a, CW18b, CN21, CR87, CH92, CG990, CD96, CM07, CGR99, Da09, DR06, Dec06, Der95, DC94, DNR06, DHPT10, FCLST07, FL13, Fen01a, FG95, FMdB99, FG99, FBMA05, Fre03, FN04, FM06, Gal75, Gal76a, GS81a, GS81b, GS83, Gal84, GG86, GG87, Gal92, GPR95b, GGL94, GBY90, GF08, GL89, GV00, GHC14, Han93, HY92, HFS05, HR03, HH93b, HOK18a, HOK18b, HM00, HLS +11, HK77, HHL06, HF05, Hy98, IP96, IMS97, Ind98, IS90, II08, JL93, Jh95, JU91, KB22, KST92, Kim99, KWL07, KC21. String [AEK +11, Aoe89, AEMS14, AGW13, BFKL13, BYF96, BYP96, BSY00, Bak84, Bar84, BR09, BKB +14, BLPL92, BFG09, BFP +08, BG90, BG91b, BCT93, Bre94b, Bre95, Bre96, BGM13, BUR82, BEL04, CADA18, CCF13, CL90, Cha93a, CDDM05, CW13, CW18a, CW18b, CN21, CR87, CH92, CG990, CD96, CM07, CGR99, Da09, DR06, Dec06, Der95, DC94, DNR06, DHPT10, FCLST07, FL13, Fen01a, FG95, FMdB99, FG99, FBMA05, Fre03, FN04, FM06, Gal75, Gal76a, GS81a, GS81b, GS83, Gal84, GG86, GG87, Gal92, GPR95b, GGL94, GBY90, GF08, GL89, GV00, GHC14, Han93, HY92, HFS05, HR03, HH93b, HOK18a, HOK18b, HM00, HLS +11, HK77, HHL06, HF05, Hy98, IP96, IMS97, Ind98, IS90, II08, JL93, Jh95, JU91, KB22, KST92, Kim99, KWL07, KC21. String-Manipulating [VMML15]. String-Matching [BG14, CCG +94, GS80, Gal95, JL96, 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, TBS06, Ukk92, Ukk93, dB93]. String-pattern [Kim99]. string-searching [Mha05, Ryt80]. string-similarity [BSY00]. String-to-Dictionary [KS11b, KS12b]. String-to-string [Mae90]. stringdist [van14]. Strings [Ale94, BS97, BCFL12, Chu95, Col94b, FT98, Gau13, GNU94, GL01, Gus97, HUN +19, HT17, Huc21, ISNH94, KRS95, KRS97, KAN +17, KMP77, LL03, Lut02, SW09, Ver92, YQW +16, Zha17, ADR03, AD06, BLSS03, BFK +03, BC95, CD89, CR91, DGG +19, EH88, ETV88, FT95, GO12, JRV96, KGA +12, KMP94, KRR7, 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 [BLLW12, CMNP17, KM94, KS99, BGHZ15, Fla88, TMK +02]. Structures
Subexpressions [Fat15]. Subgraph [QZC17, XZL'19, EASK'14, 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, Kin92, Pag78, AB09, CH97b, HW09]. Subshifts [Rou21]. Substring [AKT20, ACR20, CIL'03, Har71, Joh94a, KO83, KRS19a, KRS19b, Sun90, BGK'16, BSTU08, ETV21, Gra15, HKN14, HTX17, IKX15, JKNS00, Maa06, MAI'16, Rou21, Sto02, Yam19]. Substring-preprocessing [Sto02]. Substrings [ATX21, Cob94, Fra20, Boo80, FGKU15, GHST17, LO94]. Subtree [Gro91a, Gro91b, Mâk89]. Subtype [WZH12]. Subtypes [JM93]. Succinctness [Gel10, GN12]. Sufficient [KT90, MR09a]. Suffix [AOK02, ABM08, FL12a, GV05, GLS92, Kid09, LSW08, NR98, Neu10, OR12, Shi00, Shi04, UW93, ACFC'16, BH96, DK13, FCFM00, GV00, HHLS06, Kos94, NR00, TTHP05, Ukk93]. Suffixes [BGK'16]. Suitable [CCL87]. Summary [GH15]. Sums [BM00]. Sup [MP09]. Sup-interpretations [MP09]. Super [Fre02, KM95b, Fre03]. Super-Alphabets [Fre02, Fre03]. Super-Pattern [KM95b]. Supercomputers [RND97]. Supercomputing [IEE88]. Superimposed [Ind97]. Superiority [Zha07]. Superoptimizers [BA06]. Superprimitivity [Bre94b]. Supersequences [IF94]. Superstrings [Ale94, TY97, Che96, Mid99, TU88]. Supplement [Ruc15]. Support [GSL17, CL09, GZ10a, KAT07, Rob92, ZBST14]. Supporting [CMW87]. Supports [Nil90, WR15]. Surface [TCC90]. Survey [AKT20, Brz62, Kni89, LH13b]. Surveyor [Fra83, GHF83a, GHF83b, WNL'83]. Surviving [Cox19]. SVR4 [Rob99]. Swap [AEP06]. Swaps [ALL98a, 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, ACM00,
synchronization [JM90]. Synchronized [PIT+03]. Synonyms [LLW+15].

Syntactic [KKSL01, TB00, Wol86]. Syntax [BLS+94, XLC19, AG06, Chl08, Pie08, ZGE85, Zei08]. Synthesized [LSO17, SDA17]. System [KLR+08].

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, Lus02, MUHT96, Mor83, PSM+18, Sar02, WHZ+17, CDC96, CFM00, DL03, Fat15, JO97, KKM+85, KN00, KKP92, KEG+08, KLB12, KR95, LCC03, Len11, Lus94, SD91, WSS94]. Systematic [KK95, NAR08].

Synchronization [JM90]. Synchronized [PIT+03]. Synonyms [LLW+15].

Syntactic [KKSL01, TB00, Wol86]. Syntax [BLS+94, XLC19, AG06, Chl08, Pie08, ZGE85, Zei08]. Synthesized [LSO17, SDA17]. System [KLR+08].

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, Lus02, MUHT96, Mor83, PSM+18, Sar02, WHZ+17, CDC96, CFM00, DL03, Fat15, JO97, KKM+85, KN00, KKP92, KEG+08, KLB12, KR95, LCC03, Len11, Lus94, SD91, WSS94]. 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, Lus02, MUHT96, Mor83, PSM+18, Sar02, WHZ+17, CDC96, CFM00, DL03, Fat15, JO97, KKM+85, KN00, KKP92, KEG+08, KLB12, KR95, LCC03, Len11, Lus94, SD91, WSS94]. 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, Lus02, MUHT96, Mor83, PSM+18, Sar02, WHZ+17, CDC96, CFM00, DL03, Fat15, JO97, KKM+85, KN00, KKP92, KEG+08, KLB12, KR95, LCC03, Len11, Lus94, SD91, WSS94]. 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, Lus02, MUHT96, Mor83, PSM+18, Sar02, WHZ+17, CDC96, CFM00, DL03, Fat15, JO97, KKM+85, KN00, KKP92, KEG+08, KLB12, KR95, LCC03, Len11, Lus94, SD91, WSS94]. 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, Lus02, MUHT96, Mor83, PSM+18, Sar02, WHZ+17, CDC96, CFM00, DL03, Fat15, JO97, KKM+85, KN00, KKP92, KEG+08, KLB12, KR95, LCC03, Len11, Lus94, SD91, WSS94]. 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, Lus02, MUHT96, Mor83, PSM+18, Sar02, WHZ+17, CDC96, CFM00, DL03, Fat15, JO97, KKM+85, KN00, KKP92, KEG+08, KLB12, KR95, LCC03, Len11, Lus94, SD91, WSS94]. 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, Lus02, MUHT96, Mor83, PSM+18, Sar02, WHZ+17, CDC96, CFM00, DL03, Fat15, JO97, KKM+85, KN00, KKP92, KEG+08, KLB12, KR95, LCC03, Len11, Lus94, SD91, WSS94]. 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, Lus02, MUHT96, Mor83, PSM+18, Sar02, WHZ+17, CDC96, CFM00, DL03, Fat15, JO97, KKM+85, KN00, KKP92, KEG+08, KLB12, KR95, LCC03, Len11, Lus94, SD91, WSS94]. 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, Lus02, MUHT96, Mor83, PSM+18, Sar02, WHZ+17, CDC96, CFM00, DL03, Fat15, JO97, KKM+85, KN00, KKP92, KEG+08, KLB12, KR95, LCC03, Len11, Lus94, SD91, WSS94]. Systematic [KK95, NAR08].
Text-Based [GKW+10]. text-compression [CL96].

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