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

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA
Tel: +1 801 581 5254
FAX: +1 801 581 4148
E-mail: beebe@math.utah.edu, beebe@acm.org, beebe@computer.org (Internet)
WWW URL: http://www.math.utah.edu/~beebe/

and

David Salomon
Professor Emeritus
Department of Computer Science
California State University Northridge
Northridge, CA, USA

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Title word cross-reference

(l, d) [Tan14]. 1 [Mun07]. 2 [ASG99, BSM+07, BZ98, CR95b, KPR97, LT90b, OND98, SHCY93, Via02, Via04]. 3 [BSM+07, CJ93, LT90b, TCCK90]. 2
[Ram94]. 4 [ZLN11]. c [WD99]. c^n [Rob79]. d [CGK08, CDEK95, dRL95]. c
[HM98, Lif03]. k [ALP04, FWW13a, FGKU15, GG86, GGF13, Gra15, GL89,
[WC14]. μ [DJ96]. N [ML96a, ML96b, KST94, KWL07, KWLL08, Wag74].
O(modT mod 3) [KKM+85]. O(log log n) [BG90]. O(n[m/w]) [GF08].
\[ O(n \log^2 n) \] [HM98]. \[ O(n \log^3 m) \] [CH97b]. \[ O(s^2) \] [CZ01]. \[ q \]
[HKN14, STK06, Sal12, ST95, ST96b, ST04, Ukk92]. \[ r \] [Pol13]. \[ \rho \] [CFK07].
\[ x^m y^n = z^p \] [NC92].

-bit [KVX12]. -calculus [CFK07]. -Cube [ML96a, ML96b]. -D
[SHCY93, BZ98]. -Dimensional [CDEK95, CR95b, KPR97, CGK08].
dimensions [dRL95]. -formulae [WD99]. -Free [HM98, Lif03]. -Gram
[ST95, HKN14, KST94, KWLL08, Sal12, KWL07]. -Gram/
2L-approximation [KWL07]. -Grams [ST04, STK06, Ukk92]. -Interval
[Via02, Via04]. -Like [HK11]. -M [Ram94]. -means [WD99]. -mismatches
[GGF13, Gra15]. -motif [Tan14]. -norm [WC14]. -Samples [ST96b].
-Separated [Pol13].

.NET [AS04, SM04, Stu07].

/ [Bao93, IEE94b, SW94].

'08 [ACM08].

1003.1-2001 [IEE01a, IEE01d, IEE01c, IEE01b]. 10th [PC99]. 11th [GS00].
12th [AL01, Bun94]. 13th [AT02]. 14th [AAC+01, BYCC03]. 15th
[ACM93a, ACM93b]. 1994 [ACM94a, ACM94d, SW94]. 1995
[ACM95a, ACM95b, ACM95c]. 1997 [ACM97b, ACM97c]. 1999
[ACM99a, ACM99b, AOV+99]. 19th [ABB93, FL08].

21st [ACM94a, AP10]. 22nd [ACM95a, GM11]. 23rd [KS12a].

3.0 [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]. 5th [CG94b].

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

'79 [Ng79]. 7th [HM96, Hwa85, Win78].
'86 [Cha86, CVP86]. '87 [ACM87, Ano87]. '88 [IEE88]. 8th [AH97].


A-DFA [BC13b]. A. [AFI98, Pet95]. Aarhus [AH97]. Abstract [CDL95, Gon02, HOS85b, JO97, LM02, Chl08, CM95, GPN96, GV00, HOS85a, Pie08, Ze08]. Abstracting [JSH09]. abstraction [Wad87].


Advisor [Mu 95, MuT95, Mun95]. Affine [DN77, VS01]. afind [GN01]. Against [Bun95, HL10, LA12, BST08]. aggressive [Dai09]. Agrep [MW92b, GN01, WM92b]. Ahead [Yan95]. Aho [CW13, NK07, PLL10, TM05b, TZH +13, TVCM12]. Aid [AC75].

Albuquerque [ACM92a]. Algebra [SS93a, BFS00, Coo86, Fat15, KMMPN85]. Algebraic [ACM94b, Bro93, Cha86, Hea71, Lev95, Mcl85b, Ng79, WN90, BD98, Fat15, Mcl85a, OR11].

Algebras [CM95]. Algol [Bro77, HK77]. Algol-based [Bro77]. Algorithm [AR00, AJS92, ACD01, BGM03, BYN96, Bar81, BC13b, Ben94, BM77, Bra94, Bre93, CF06, CLP98, CF85, Col94a, CH02, CGH +98, FL12a, Gal79, GP90, Gal95, GC01, IMP01, IST05, IS86, KRS97, KST94, KUl10, KV15, KZ02, LLCC13, LCL06, MW94, MUHT96, ML96a, ML96b, Mye92, Mye98, NBY01, OR12, PS10, Pou93, PK85, RPE81, SK198, SW09, Sum90, Tak86, VB12, VB98, WPKL13, Wat96, WMM95, Yamo01, Alb89, AGW13, BGL89, BG90, Breg96, BC95, Cha93a, CL95, CW13, CDC96, CNPS15, CR91, Dai09, DR06, DS04, Der95, Dow91, Gal92, GBY90a, GBY90b, GLS92, Han93, HFS05, HR03, IKX15, IP96, IS86, ISHY88, KKM +85, KR89, KST92, Kim99, KKR +13, KHI15, LV86b, Lee82, Liu81, LHCK04, Maan06, MMB91, Mis03,
algorithm [Alb89]. Algorithms
[ACM97b, AHU74, iA94, ADLM96, BY96, BLP94, BS97, BH02, BJM79, BCFL12, CL92, CHL14, Chu95, CHZ06, CLR90, CR92, CCG+94, DB86, FL12b, Gal76b, GG97, GS85, GIG77, GK86, Gus97, Hig86, HSTS01, ISNH94, JTH96, KT87, KR81, KR87, KP99c, KMT+01, Lab12, Lec95, LS94, Lut02, MP05, Mut97, Ott+94, Par96, Pol13, RS98, SN92, Sed83, Sed90, Sim94, Tar81a, VG01, YD95, ZZ12, de 82, ALP04, ADLM01, BY96, Bak93, Bar84, CMO+08, CDDM05, CLT07, CWZ10, CCG+93, CT96, CR94, CL96, DC94, ECSS88, Gal75, Gal76a, Gal84, GG13, Ind98, JU91, KN00, Lec07, MAC14, MW92b, Mha05, MM07, MR13, Par98, PDC94, QLY07, Sal12, Sch91a, Sch91b, SZ05, Tan14, Val09, VHL+12, WZ96, A+08, Len93]. Alignment
[BLP94, Ben94, BDFW94, HPM94, JWZ94, KK08, LPT12, LPR+08, Pol13, RND97, CLT07]. Alignments [Cha94]. All-Against-All [LA12, BSTU08]. Allocation [VSM87, YD95]. Almost [CGPS13, GR99]. Almost-linear [CGPS13]. Almost-optimal [GR99]. Alphabet
[BM00, Brz62, CL94, Gia93, GV05, HSTS01, Hui92, HN05, IEE94b, IEE95b, IJK08, MHKR12, Pol13, Sch95, AS04, Bak93, B+07, Che96, FMD99, FG99, FLS03a, FLS03b, GV00, Ind07, KKP92, SWZ01, VHL+12, WYA+07].

**Applied** [DBH93, PDL98, DGBH93].

**Applying** [AK08, SdM01].

**Approach** [ABF94a, CCH09, Cox09, DC94, FKRV15, FL12b, IMR08, KTSA99, LP13, Lut02, NR98, NR99b, RM88, Sha93, Tar81b, B+07, Che96, FMdB99, FG99, FLSS93a, FLSS93b, GV00, Ind07, KKP92, SWZ01, VHL+12, WYA+07].

**Approaches** [BM08, vNG01, FMdB99].

**Approximate** [Aku94, Aku95, AAK+09, AEK+11, ACD01, BYP92, BYN96, BYN97, BYN98, BYN99, BCP02, BH02, BM00, BK93, Bun95, CJM12, CLS+10, CL90, CL92, CM94, CL94, CCH09, CN92, CH02, CIM+02, EM96, FNU02, Fu96, GP90, GIMV03, GGF13, HD80, HLS07, HM00, HLS06, HN02, HN05, IMP01, JTU96, KM92, KM95a, LS08, LH03, LP11, LLW+15, MW92a, MW92b, Mel95, MM02, Mye98, MOG98, Nav98, NBY99a, NBY99b, NBY01, Nav04a, OM88, PDM01, Par96, PW95, Phil94, PP09, STK10, ST95, ST96b, ST04, Tak94, TU93, Ukk92, Ukk93, UW93, VRD01, Wri94, WX92b, WMM95, ZAM03, van14, AGW13, BYP96, BLPL92, BFG09, CRV06, DLF+15, DC94, FN04, HLS+11, HFN05, Hyy08, JU91, KST92, KWL07, KNT11, LV86b, LV89, LT97, LLL13, MW94, MM03].

**approximate** [MM07, Mus05, Mye99, Nak14, NBY99c, Nav00, NKT+01, Nav01a, NF04, NC06, Par98, Sad93, SW90, WC14, ZD95].

**Approximately** [Coh94, Mye95].

**Approximating** [TY97].

**Approximation** [ADLM96, ADLM01, BLP94, CM08, KR89, KWL07, TU88].

**April** [ACM74, ACM84, ACM90a, AGS93d, Apo92, SC93, SC96, SC98, SC92].

**Arabic** [Ku11, Mus03, Mus05, ZA87].

**Arbiters** [SMT+86].

**Arbitrary** [nav04a, YH92].

**arc** [GGN06].

**arc-annotated** [GGN06].

**Architectural** [CL09, IS90].

**Architecture** [BTC06, CG87, CF85, HKL+14, LCH93, Lee09, TS05, YP12, FKS06, KRL87, MM07, ZV97].

**Architectures** [TVM12].

**Arden** [LCH93].

**area** [SV87].

**Ariel** [Han92].

**Arithmetic** [Hwa85, MHKR12, MP88].

**Arizona** [Apo92, ACM97a].

**Array** [CPW88, GHK+91, KL90, WBA83, DK13, ME97, MM07, LK88].

**Arrays** [AOK02, ABM08, GV05, Neu10, Bak78, CR91, DSV94, GV00, HLS06].

**arrivals** [SW01].

**Art** [DGBH93].

**Artificial** [IEE94b].

**ASCII** [Pol01].

**Asia** [IEE94a].

**Asia-Pacific** [IEE94a].

**Asilomar** [CGG94b].

**Aspects** [FJ92].

**Assembly** [MW92b, Sno01, FL71].

**assertional** [PS90].

**assertions** [Jay92].

**assessment** [HBRV10].

**assignments** [Mor02].

**assist** [KKM+06].

**Association** [DT87].

**Associative** [Eke95, YIAS89].

**Associative-Commutative** [Eke95].

**Astronautics** [WKA94].

**Asymmetric** [QWX+13].

**asymptotic** [KC11].

**Athens** [Len11].

**Atlanta** [ACM93, ACM99b, IEE99].

**Atlas** [TMV+01].

**Atoms** [Les79].

**attribute** [Har02].

**Attributed** [CTF+98, Gro92].

**attribution** [Far92].

**Audio** [DCM15].

**Audit** [KNNH00].

**Augmented** [SA96].

**August** [ABB93, BGNP94, B+02, IEE95b, WN90].

**authenticated** [PPTT15].
Authorizing [WYA+07]. Automata [Ant95, Cha02a, CLOZ04, DM11, FL12a, Ghi62, Gol93, GH13, HSW97, KPR97, KPR00, KV15, Loh10, MS98, MKHR12, MHT09, MY60, Mel95, Moli97, NR98, NWE97, Ned98, Pet92, RS59, SM56, SM74, She59, SSSS10, Sim94, UW93, BDFR08, BS86, BH96, BK93c, CR87, GOMSJVGP08, HW07, HM00, HR00, Kle56, Lau00, NR00, NWE99, NdMM02a, NK07, Pet94, Ryt89, SY72, SBR+07, SH85, VW11, YH91, YB13]. automata-driven [NWE99]. Automatically [Bun94, Bun94]. Automaten [SM74].

Automata [Ant95, Cha02a, CLOZ04, DM11, FL12a, Ghi62, Gol93, GH13, HSW97, KPR97, KPR00, KV15, Loh10, MS98, MKHR12, MHT09, MY60, Mel95, Moli97, NR98, NWE97, Ned98, Pet92, RS59, SM56, SM74, She59, SSSS10, Sim94, UW93, BDFR08, BS86, BH96, BK93c, CR87, GOMSJVGP08, HW07, HM00, HR00, Kle56, Lau00, NR00, NWE99, NdMM02a, NK07, Pet94, Ryt89, SY72, SBR+07, SH85, VW11, YH91, YB13]. automata-like [YH91]. Automated [Bun94, Bun94]. Automaton [CZ01, LY86, Ant96, BYG96, Hur84, Lei80, TLLL07, TLLL09, ZC99]. automaton-matching [TLLL09]. availability [LLL12]. Average-case [HK14, SCFC94, Quo92]. Average-optimal [FN04]. Avoiding [Fos89, Th93]. aware [WOQ+07]. AWK [Mis89]. AWK-like [Mis89]. Axiom [Ano68, JT94]. axiomatization [HN11].


Base [EE01a]. Based [AOK02, CDM11, CZCD09, DA98, FL12a, GR96, HH83, Kid09, KKSL01, KPVX12, KNMM00, LT09, LS94, Lut02, MU02, Mye98, ND02, PS10, SF01, TMV+01, TK07, WPKL13, WD99, Yun12, AFT98, BC06, BFS00, CW13, CLP95, CK08, DLF+15, Far92, Gan89a, Gre88, Ier09, IIK08, II08, KS07, KN00, LLL12, LHCK04, MLC08, Mye99, NRO12, PD12, SZ05, TM04, TP07a, TP07b, TP13, TL15, WSW16, YT03, ZV97, ZZ12, ZYX+12, Ano96, Bro77].


AAK+09, CL09, GS93b, HFN05, Hyy08, KVX12, KIH15, Mye99, NR00.

Bit-Parallel

Complexitée [Alb89]. Complexity [BKLP97, BDFW94, BCT94, BCT98, Col94a, CHPZ95, CH97a, EZ74, Gg91, Gg92, Gk86, Hei01, HK11, HSTS01, MNS10, Mor83, RS98, Akl78, Alb89, Ak12, CGK08, CH92, CGG90, FCFM00, FK96, KS07, LM12, LM13, Mag81, Man76, NF04, PS89, PAG09, Sal12, Via04, Yao79]. components [CFM00].

Composite [XK92]. composition [SV09]. Comprehension [BLS12, CGK08, CH92, CGG90, FCFM00, FK96, KS07, LM12, LM13, Mag81, Man76, NF04, PS89, PAG09, Sal12, Via04, Yao79].

Compress [GH82]. Compressed [BR09, BKLP97, CHLS07, CLS+94, CHP92, FT98, GP01, Gaw12, Gaw13, GV00, GV05, IST05, KSA99, Kid09, KS05, KS06, LSW08, Loh10, Man94, Man97, MHT09, MHH+01, NR99b, Nav01c, Rao95, STS99, TMK+02, YK11, ZM93, ABF94b, BCD08, BFG09, BBK12, CP97, FT95, GR99, GO12, HHLS06, KTS+98, KMS+03, NKT+01, NT05, SNZBY00, TM04, TM05b, TM05a]. compressible [BFKL13]. Compression [ABM08, BC13b, CW84, FG89, GS85, How97, LS94, Man94, Man97, Neu10, RPE81, SKF+00, SC93, SC95, SC96, SC98, SC99, SC01, SC02, SC03, SC04, SC05, SM09, SM10, SM11, ASG99, AGS96, BFN10, Cha93b, CDC96, CL96, How96, Lar99, OW03, RT02a].

COMPSAC [IEE95b]. computable [EH88]. Computation [Bro93, Cha86, Lev95, Ng79, Rao94, WN90, CCI+13, Han02, Maa06, NA90, PS93a, Tak96b, YT03, AC94b]. Computational [Lab12, Gus97, HN11, Val09, Via04]. Computationally [HT14].

Computations [FKP77, CR91, NEH90, Pra97, PCS99], compute [MS95].

Computer [ACM69, ACM74, ACM76, ACM81, ACM84, ACM86, ACM90b, ACM91, ACM92d, ACM93b, ACM94d, ACM95c, ACM99b, ACM00, ACM08, Cz01, Ch94, DT87, DGBH93, HM98, HM87, ISNH94, LK90, Rot91, RW10, Wol90a, BGNP94, BC95, IP96, K88, Wol90b]. Concave [KM92, KM95a].

Computer-Recognized [RJK79]. Computing [AC69, ACM74, ACM76, ACM81, ACM84, ACM86, ACM90b, ACM91, ACM92d, ACM93b, ACM94d, ACM95c, ACM99b, ACM00, ACM08, Cz01, Ch94, DT87, DGBH93, HM98, HM87, ISNH94, LK90, Rot91, RW10, Wol90a, BGNP94, BC95, IP96, K88, Wol90b].

Conception [Hud89]. Concepts [BGJ01]. concise [BNSV10, NMM02a, Yod91]. concrete [JD89]. Concur [SBF80]. Concurrent [GR92, Pei87, SBF80, BFN+09, JM90, YT03]. condition [Han92, KT90]. Conditional [DJ96]. conditionals [Edw07]. Conduct [NCKL14]. Conference [ACM89, ACM92c, ABB93, AGS93d, Ano87, AAC1+01, AOV+99, B93, B0+02, BM94, FMA02, CVP96, IEE94a, IEE94b, IEE95b, M94, SW94, ST92, SC93, SC95, SC96, SC98, SC99, SC01, SC02, SC03, SC04, SM09, SM10, SM11, USE92, DT97, ACM69, ACM74, ACM76, ACM81, ACM92a, ACM93a, ACM94a, ACM95a, AGS93a, AGS93c, AGS93b].

[BGG12, CGG\textsuperscript{+}97, CGH\textsuperscript{+}98, CGR99, Gal95, GPR\textsuperscript{+}95a, Sto96, BGM13, Gal92].

\textbf{Constant-Space} [GPR\textsuperscript{+}95a, CGR99, BGM13]. \textbf{Constant-Time} [BGG12, CGG\textsuperscript{+}97, Gal95, Gal92]. \textbf{constants} [KC\textsuperscript{+}11].

\textbf{Constrained} [CS11, CLT07, XJT\textsuperscript{+}04, ZJL14]. \textbf{Constraint} [Coh90, CFK07, Smi91].

\textbf{Constraints} [GRS99, CDL08, HW09, KS11a]. \textbf{constructability} [Kar\textsuperscript{+}82].

\textbf{Constructing} [IY02, Lei80, JRV96, TU88, TTHP05]. \textbf{Construction} [BP63, BH96, DKP11, FCFM00, Kos94, Mei08].

\textbf{Constructions} [Ant95, Ant96, Che96]. \textbf{constructive} [Tak96a].

\textbf{Constructing} [IY02, Lei80, JRV96, TU88, TTHP05]. \textbf{Construction} [BP63, BH96, DKP11, FCFM00, Kos94, Mei08].

\textbf{Content} [FLS98, CDL08, HN11, SH85]. \textbf{content-based} [MLC08, TLLL09].

\textbf{Contained} [MLC08, TLLL09]. \textbf{Controlling} [HJ99, CFM00].

\textbf{Containment} [FLS98, CDL08, HN11, SH85]. \textbf{content} [MLC08, TLLL09].

\textbf{Context} [CK02a, Haz01, Hua94, Kea91a, SBHM94, SA96, KGA\textsuperscript{+}12, Mye95]. \textbf{Context-Free} [SBHM94, KGA\textsuperscript{+}12, Mye95]. \textbf{Context-Sensitive} [SA96].

\textbf{Continuous} [SBF80]. \textbf{Controlled} [Bao93, Ba09, Mu\textsuperscript{+}95, Mun\textsuperscript{+}95]. \textbf{Control} [Bao93, Mu\textsuperscript{+}95, Mun\textsuperscript{+}95].

\textbf{Correction} [And01, JRT79, Wag74, BSY00, Mae90, MS95, TAY90]. \textbf{Correctness} [Sto02, SBR\textsuperscript{+}07]. \textbf{correlated} [SWZ01].

\textbf{Correction} [And01, JRT79, Wag74, BSY00, Mae90, MS95, TAY90]. \textbf{Correctness} [Sto02, SBR\textsuperscript{+}07]. \textbf{correlated} [SWZ01].

\textbf{Correcting} [Kuk92]. \textbf{Correction} [And01, JRT79, Wag74, BSY00, Mae90, MS95, TAY90].

\textbf{Corrigendum} [FLSS93a]. \textbf{Cortical} [TMV\textsuperscript{+}01].

\textbf{Conversion} [HZ13, Lau00]. \textbf{Convert} [CM86, ZC99].

\textbf{converting} [Gal75]. \textbf{convolution} [Ind98]. \textbf{Cookbook} [ST03, GL12].

\textbf{converted} [Mid98]. \textbf{coordination} [CFM00]. \textbf{coprocessor} [TLLL07].

\textbf{Core} [MAC14]. \textbf{corpus} [IIK08, II08]. \textbf{corpus-based} [IIK08, II08]. \textbf{correct} [Ryt80]. \textbf{Correcting} [Kuk92].

\textbf{Correctness} [Sto02, SBR\textsuperscript{+}07]. \textbf{correlated} [SWZ01]. \textbf{Correspondence} [Spi99b].

\textbf{corresponding} [Li03]. \textbf{Corrigendum} [FLSS93a]. \textbf{Cortical} [TMV\textsuperscript{+}01].

\textbf{cosine} [TP07a, TP07b]. \textbf{costs} [PW06]. \textbf{Counter} [WPKL13].

\textbf{Counter-Based} [WPKL13]. \textbf{Counters} [LT09]. \textbf{Counting} [GGM12, San95, Gel10]. \textbf{course} [HR00]. \textbf{Covered} [Yun12]. \textbf{Covering} [CK98]. \textbf{covers} [IP96, MS95]. \textbf{Covert} [HL10].

\textbf{CPM} [AL01, AP10, Apo93, AH97, AT02, ACP05, BYCC03, CG94b, FC98, FL08, GU95, GS00, GM11, HM96, KS12a, KU09, LV06, MZ07, PC99, SMD04].

\textbf{CREW} [dB93]. \textbf{Critical} [Lut02]. \textbf{Crochemore} [Bre93, Bre96].

\textbf{Crochemore-Perrin} [Bre93, Bre96]. \textbf{Cross} [FTJ95, KNS12, Sha93].

\textbf{Cross-Correlation} [Sha93]. \textbf{Cross-Document} [KNS12].

\textbf{Cross-Interferences} [FTJ95]. \textbf{Crowd} [CDL\textsuperscript{+}15]. \textbf{Crowd-Sourcing} [CDL\textsuperscript{+}15].

\textbf{Cryptanalysts} [GS93a]. \textbf{CTL} [MMDdJ11]. \textbf{CTRL} [MMDdJ11].

\textbf{Cube} [ML96a, Dow91, ML96b]. \textbf{Cuckoo} [TK07]. \textbf{curly} [HGW97]. \textbf{curve} [SA77]. \textbf{Curved} [LT90b, NA90]. \textbf{Custom} [Han01, Vol12].

\textbf{Cut} [AM97, CK04]. \textbf{CVPR} [CVP86]. \textbf{Cycle} [KK95]. \textbf{cyclic} [Mac90].

\textbf{D} [SHCY93, ASG99, BSM\textsuperscript{+}07, BZ98, CJ93, LT90b, Mun07, TCCK90, ZLN11].

\textbf{D-pattern} [ASG99]. \textbf{DAGs} [ZZ12]. \textbf{daisy} [SMT\textsuperscript{+}86]. \textbf{Dallas} [IEE95b, NEH90].

\textbf{Dark} [Hum99]. \textbf{Darmstadt} [AGS93d]. \textbf{Data} [ABM08, AAC\textsuperscript{+}01, BLLW12, B\textsuperscript{+}02, BGNV10, Bon07, CW84, DT87, EF13,}
FG89, FO76, FMA02, Gia93, GG97, Gon83, GS85, Har02, KM94, LSW08, LKL02, LM01b, LS94, MMS14, Neu10, RPE81, SLi78, SW94, Sto92, SC93, SC95, SC96, SC98, SC99, SC01, SC02, SC03, SM09, SM10, SM11, TV14, VMML15, WCM+94b, YDDB15, ABB93, AL08, BFS00, Cha93b, CDC96, CD96, FG99, GMC02, GW92, GS93b, GHS12, GN90, HSL10, JO97, Kra89, Lar99, Nil90, OR11, RW93, RM06, SMS15, TG96, Wad87, WCM+94a, SC04, SC05. **Data-Parallel** [VMML15, MMS14, GS93b].

Data-Parallelism [RW93].

**Database** [ACM83, ACM90a, ACM92b, ACM94c, ACM95b, ACM97a, ACM98, ACM99a, ACM06, ACM07, CCL87, HA002, VB98, GPTV93, IJK08, KLB12, Len11, OKT92, SHS14, ZCÔ09, KKP92].

**Databases** [AOV+99, CCH09, GNU94, Pou93, WZS95, ZCÔZ12].

Dataflow [PK85, Ray96].

Datalog [dLFM07].

Dates [SM99, HN00].

dbC [GS93b].

DC [ACM84].

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

DDC [SM10].

Dead [Cox10c, MD10].

Death [Cox10c, MD10].

Decidability [Asp12, Kar82].

Deciding [Gp+94, MPdS12].

Decipherability [AG84].

Decision [MNS10, RS59, HW09].

Declarations [MGH93].

Declerative [ADR15, Spi99a, Spi99b, KLR+08].

Decoding [St96].

Decomposition [KVX12, PS93b].

Deduction [Bun94, HR03].

Deep [CMS08, LLLL08, VWR11, YP13, BAC12, NU15].

Definable [BLSS03].

Definition [Yod91].

Definitional [CKC07].

Definitions [IE01a].

Deformation [BCWG09].

Degenerate [IMR08].

Degree [HY90, LSV08, YH91].

Degrees [YH92].

Del [ACM09].

Deletes [Mei15].

Denmark [AH97].

Denosing [CDDM05].

Denotational [Gud92, Mal93].

Denoting [HSJ04].

Dependence [KK95, AFM94].

Dependences [BD96].

Dependent [Hua94].

Dependently [Xt03].

Depth [Alb89].

Derivation [Ant95, Brz64b, CJM12, Ant96, ORT08].

Derived [PS90].

Derivars [Gie90].

Described [KPR97, KPR00, SA96].

DescribeX [CMRV10].

Description [CDL08, FKS06].

Descriptions [KRS95, KRS97, CS88].

Descriptive [GR96].

Descriptor [All82].

Design [AHU74, Bur84, HL97, OF61, Ski98, ZA87, Bur82, CMS08, HUR84, KCK93, MI07, SW12, WKR09].

Designers [LS99].

Designing [II09, Mor83, SB90, DC94].

Desukutoppu [SM04].

Detecting [Mut97, TMV+01, Mar89, Mha05].

Detection [CZCD09, KKK11, KMMH00, Lee91, Les79, PAMP12, SL83, TS05, ZLN11, ACF05, BAC12, FNP09, Joll94a, KO194, KAT07, LHC04, OK94, QLY07, SA77, TBS06].

Determinism [GGM12].

Deterministic

Developers [LS99].

Developing [MNNS12].

Development [JLHB92, LHC93].

Developmental [YCK+08].

Developments [PV91, OKT92].

Devices [HAR10, Sym85, CMS08, Pet07].

DFA [BC13b, CP97, NYuR15, NR01, PW93, VWR11].

DFA’s [CHP92, FDG+11].
Dictionaries \cite{Bre94a, Owo93}. Dictionary
\cite{And02, Bre94a, Bun95, KS11b, KS12b, AF92, DLF+15}. dictionary-based
\cite{DLF+15}. Dictionary-Matching \cite{Bre94a}. Diego
\cite{ACM92b, ACM93b, Sto92}. different \cite{YB13}. Differential
\cite{FDG+11, PS93a}. Differentiated \cite{ZLN11}. differentiation \cite{PS93a}. Digest \cite{CZCD09}. Digital \cite{AGS93a, AGS93c, AGS93d, AGS93b, JRV96}. Digitized \cite{LV94}. dimension \cite{Bak78}. Dimensional
\cite{ABF94a, ADLM96, BYN98, BKL97, CDEK95, CL95, CHLT14, CR92, CR95b, CPGR95, CGH+98, CIK98, FU98, FNU02, GPP04, Gia93, GG95, GG97, HEWK03, HW12, KPR97, KPR00, KU99, KR94, Les79, Les95, Par96, ZTS9, AK08, AF92, AGR94b, ABC+04, AKT06, AGM05, ADLM01, BYR93, Bir77a, CGK08, CGP93, CR94, GP92, HLN09, JKNS00, Mid96, NBY99a, Par98, TIT83, WC14]. dimensions \cite{CCH+93, dRL95}. Directed
\cite{Fu95, Fu96, Fu97, Gud92, Kor83, B¨O13, Dan91, Nii90}. Directly
\cite{Man94, Man97}. Directory \cite{Zve80a, Zve80b}. Discontinuities \cite{Lec91}. discourse \cite{Kit94}. Discovering \cite{SW93}. Discovery
\cite{VG01, WCM+94b, MP05, WCM+94a, WZS95}. Discrete
\cite{ACM97b, Gai73, KC99, Nak14}. Discrimination \cite{KC87}. Disease
\cite{TMV+01}. Disease-Specific \cite{TMV+01}. Disjoint \cite{LS10, YD95}. Disjunctive \cite{HR03}. disordered \cite{CMG10}. dispatch \cite{MFRW09}. dispatching \cite{FMdB99}. Distance
\cite{BCP02, D’A98, KS94, ZC09, AE06, AK12, AD11, BC95, CM07, EH88, GF08, HKN14, Leu97, PPZ08, Rot91, SKS96}. Distance-join
\cite{ZC09}. Distorted \cite{VB98}. Distortion \cite{KC87}. Distributed
\cite{CPW88, IMR08, ML96b, NCKL14, TVCM12, ZLN11, AC93, DSv94, FW12, HFFA09, LLC03}. Distributed-Memory \cite{TVCM12}. Distribution \cite{YJS4}. Diversified \cite{FWW13}. Divide \cite{SW12, SCHY93}. Divide-and-conquer \cite{SHCY93}. Dividing \cite{KKK11}. DNA
\cite{HA102, IMR08, MT14, TP97, YTO3}. DNA/RNA \cite{IMR08}. do
\cite{Abb77, JL93}. do-it-yourself \cite{Abb77}. d’objets \cite{Alb89}. Document
\cite{BKV92c, BKRV15, KNS12, AI82, Am93, BK93b, KRLM09, WZS95, WZW82]. Domain \cite{CF85, SKS96}. Donald \cite{Neu10}. Done \cite{LY86}. Don’t
\cite{Aku94, BL94, AK95, KR97, MBY91}. doubling \cite{CL09}. down
\cite{GOMSJVGP08}. DReX \cite{AD15}. Drive \cite{Koen02, BC06}. driven
\cite{GHS82, Mus03, NWE99]. Drosophila \cite{YJK80}. DTDS \cite{BNSV10}. Dublin
\cite{ABB93}. Duration \cite{XJT+04}. Duration-constrained \cite{XJT+04}. during
\cite{Sch81}. Dynamic
\cite{AGT89, ALLS07, BFM+07, BFN10, CL95, Mye98, Sch95, WBA83, ZLN11, BD98, CHLS07, CGM10, FhDAF09, HSL10, JSH09, LYWL08, Mye99}. Dynamics \cite{JMS85}. ECG \cite{TZH+13}. Edinburgh \cite{AOV+99}. Edit
\cite{JW94, RHH02, AE06, AK12, BC95, CM07, Leu97, LT97, QWX+13, SKS96}. editing \cite{DOS93}. Editor \cite{Pik00, Ritxx}. Editorial
NF04, QWX+13, Tan14, TZH+13, YHV+15]. exact-match [Bak78].

example [Qui00, Qui02]. Examples
[Bra94, BC94, KK08, GHS12, Kod79, SG12]. exchange [AL08, HSL10].


experiment [GHS82]. Experimental
[ACR01, GIMV03, HBRV10, Lec95, JLF14]. Experiments [Lec98]. expert [WS94]. experts [B'07]. Explicit [For02, CFK07]. Exploiting
[Ku11, MKF91, KKM+06]. exploration [SW12]. explorative [Ker04]. Explore [Cop91]. Exploring [CMRV10, YB13]. expressibility [tc09].

Expression
[Anoxx, Asp12, BC13b, Bon07, BTC06, CZ01, CKW09, Cox07, Cox09, Cox10a, Cox12, Dav99, EU08, GRS999, Gol93, Han13, Hol84, Ier09, KM92, KM95a, Lee09, MPN+14, Mye92, MOG98, NR99a, NR01, Nav01c, Nav04a, NR04, PPA10, Ric79, Sca11, SM99, VCS+12, WPKL13, WMM95, YP12, vNG01, BAC12, BFC08, BFG09, BFS04, BH07, CLT07, CGPS13, Cox10b, DF00, FG+11, Fos99, Goo05, HN11, HVP00, HP01, HVP05, KS08, Kar82, Ker07, Lec82, Lei80, Li03, MM14, ORT08, PCS99, SJ13, Spe85, Stu03, Stu07, Tho68, WL15, WW03, YKGS11, YCJ08, YB13, 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, CGR02, CHP92, CC97, CDL95, Dav03, Dav04, DM11, FLS98, FU82, Fri02, GGM12, GN12, Ghi62, Gil70, Gin67, GH13, Hab04, HM98, Ham88, HWW06, HJ99, HK11, HWW97, Hum99, IY02, KTU87, Kea91a, KP99b, KP99c, Kin92, KV15, KZ02, KST12, LS99, LS06, LHZ98, LM01b, LT09, Loh10, Mad01, MNS10, MY60, MPdS12, Org03, OF61, Pak91, PM78, Pat71, Pet02, Ray96, Rez92, SA96, Sch99, SSSS10, Sou99, TV14, TB00, Uma97, VHC88, Wen93, XX92, YB13, Zia96, ZC99, ZYX+12, dLFM07].
Extensional [DRW95]. extensions [Mis89, Wea94, WKR09]. External [GIR97, FG99]. Extraction [FKRV15, Kea91a, DLF+15, Kit94, KLR+08].

extremely [AK08].


feed [MA12]. feed-forward [MA12]. feedback [Joh95]. FFT [SZ05]. FFT-based [SZ05]. Fgrep [Ash85]. Fibonacci [IMS97]. field [WSW16]. fields [CRV06]. Fifth [ACM06, ACM93b, AOV+99]. File [IK83, Man94, Man97, All82, KCK93]. Files [BH85, BBH+87, Man86, Pol01, TMK+02, ZMSD93, CEMW91, TM05b, TM05a]. Filter [CCH09, FUG89, KNMH00, CMS08, ZC89]. Filtering [KVX12, KRML09]. Filters [WZJH12, MA12]. Filtration [PW95, ST96b, LLL13]. Finding [ALLT11, Ben94, Hig86, Iba97, KS11a, KF91, PRU11, VB98, ZD95, Lee82]. Finite [Ant95, Bow87, CLOZ04, CM58, FG89, Ghis82, Gol93, GH13, HSW97, KPR97, KPR00, KV15, LY86, Mei95, Pet92, RS59, vNG01, Ant96, BDFR08, BK93c, Ga04, HW07, Hur84, Ke16, Kod79, Lei80, MMS14, Ryt89, SLT+06, SH85, VHL+12, WV11]. Finite-State [vNG01, Ga04, HW07, MMS14]. finely [AF198]. Finland [GU95, KS12a].


HydroJ [LLC03]. hyogen [SM04]. Hypercube [Les94]. Hypermedia [LZ96]. Hypertext [ALL97, ALL00, Nav98, PK95, Nav00, SD91].


Improvements [CK92]. Improving [Bir77b, DHPT10, Gal79, Hyy08, NYB01]. In- [MPdS12]. in-degree [LSV08]. inclusion [CGPS13]. Incomplete [NCKL14, Ritxx]. incorporate [SKS96]. Increased [HFN05]. Increasing [HR00]. Incremental [FWW13b, HKR92, Mey85, ISH88]. Independent [ABF94a, CR95b, KR94, GP92]. InDesign [Ka86]. Indeterminate [SW09]. Index [CGR02, CN02, Cox12, Gia93, Man86, Zve80a, Zve80b, All82, CDR03, HLS+11, KWL07, KWLL08, NC06, TPT13]. index-sensitive [TPT13]. indexed [GMC02, GO12, Sen00]. Indexes [CLS+10]. CHLS07]. Indexing [GL86, GV95, KSKL01, LMRT14, LMO11, NBY99b, SWY75, GV00, HAI02, SJ13]. Indianapolis [DGBH93]. indirect [DS94]. inductive [CL09].

Inference [BNSV10, BGNV10, Van06]. Infinite [KST12, SMDS94]. Infix [HWW06]. Infix-Free [HWW06]. Inflationary [TB00]. Influence [FT95]. Inform [Gro91a]. Information [FKR15, IE01a, IE01d, IE01c, IE01b, LS96, MKF91, SD91, Snc01, Kit94, KLR+08, SNS14, SK96]. Informative [IEE01b]. inheritance [Mor02]. Inner [BFE97]. Inputs [CGP+08]. Inspection [LLLL08, VWR11, YP13, BAC12, NYuR15]. Inspired [GWvG10, Pet92]. instance [FK96]. instant [Abb77]. instructions [KKM+06]. Integer [Nav04a]. integers [Mat94]. integral [EF95, SY72].

Integrated [BGG+94, FU82, WBA83]. Integration [Har79, Fat15]. Intelligence [IE94b, Rob92]. intelligent [JLHB92]. interaction [HR00]. Interactive [Han02, MR05, BH07, DKNP11, MI07]. interchanges [Chr96]. interconnection [KRL87]. Interest [DT87]. interests [SW93]. Interface [IE01a, IE01d, IE01c, IE01b]. Interfaces [IE01d, PW06].
Interferences [FT95]. interleaving [Gel10]. International
[ACM94b, ABB93, AGS93d, AAC01, AOV+99, Bao93, B+02, Bro93, Bun94,
FMA02, IEE95b, Lev95, Ng79, SW94, Sto92, WN90, A+08, BGNP94, MG94].

Interpolation [HW12, Lut02]. interpretation
[HN11, JP11, NC92, SHCY93]. interpretations [MP09]. Interpreter
[HOS85b, Mac94, Eck89, HOS85a]. Intersection
[GN12, HL10, Pet02, CP10, Gel10]. Interval [Via02, Via04, WSS94].
intractable [FLM+10]. Introducing [LV86b]. Introduction
[Bir77b, CM86, CLR90, GS93a, PG90, SC88]. Intrusion
[CZCD09, KKK11, TS05, ACF05, KAT07, LHCK04, TBS06]. Intrusions
[KNMH00]. invalid [SMS15]. Invariant
[FU98, LT03, ZC89, Dec06, MNU05]. Inverse
[AA97b, GIK97]. Inversion
[KS94, Gie90, GT90]. Inversions
[CCF13, GFG11]. Inverted
[BBH+87, ZMSD93, KWL07]. invisible
[EH87]. Invocation [Kor83]. Involutions
[GMMN12]. IO [PSK08].

Ireland [ABB93]. Irregular [PCS99]. Island [ACP05]. Isomorphism
[BJM79, Gro91a, Gro91b, KSH+15, Mak89]. Israel [AL01]. ISSAC
[Lev95, WN90]. ISSAC’93 [Bro93]. ISSAC’94 [ACM94b]. Issue
[CR92a, IEE01a, IEE01d, IEE01c, AGS93a, AGS93c, AGS93b]. issues [IS09].
Istanbul [SMD04]. Italy [AAC+01, Apo93, FL08, GM11]. Iterable
[LM02]. iterated [Jan85].

January [ACM87, ACM92a, ACM93a, ACM94a, ACM95a, ACM97b, USE92].
Japan [AT02, IEE94a, WN90]. Java [Ano96, Cal00, CGM06, Dvo00, FR00,
Hab04, LMO2, MFRW09, Mor02, NAR08, SM04, Str07]. Java-based [Ano96].
java.util.regex [Hab04]. JMatch [ACP05]. Jersey [FC98]. Jerusalem [AL01].
Jigsaw [BK93d]. JMatch [LM02]. join [WLF14, ZCO09]. joins
[BKS02, JLF14]. Jose [ACM95b]. JPEG [KS05, KS06]. JTL [CGM06].
July [AL01, AH97, AT02, Bro93, Bun94, Cha86, Cro92a, FC98, GU95, KS12a,
Lev95, LV06, MZ07, PC99, SMD04]. Jumbled [BCFL12, BFKL13, GGI93].
June [ACM92c, ACM92b, 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].

K-M-P [RUG97]. Karp [CR91, GBR09a, GBY09b].
Karp-Miller-Rosenberg [CR91]. Karp-Rabin [GBY09a, GBY09b].
Keeper [Wei84]. Kentucky [ACM89]. kernel [KWR09]. Key
[CG79a, CG79b, Gri79]. Keyword [And02, ADT15, CWZ10, WZ96]. Kiev
[Bro93]. Kinematics [PS93a]. Kleene [Lee82]. known [KCK93]. Knuth
[PV91, Bar81, DSO4, Ulk10]. Knuth-Morris-Pratt [Bar81]. Kong [B+02].
Korea [ACP05].

Laguna [HM96]. lambda [Dow91]. lambda-calculi [Dow91]. Language
[ADR15, Ano68, GS93a, GP93, GH09, Gud92, GR96, LS99, Lu02, MG97,
SBF80, TB00, VVV04, vNG01, Arn93, BK86, BFS00, CFM00, CM86,

Languages
[ACM92a, ACM93a, ACM94a, ACM95a, BL1W12, CM58, HWW06, Hud89, KP99c, Kor83, KST12, ND02, SA96, Sch13, Wag74, ACM87, AGM05, AOMC07, BL13, BLS03, BKBW92a, BKBW92b, Coh90, Dit78, FhDAF09, HWW07, HWJ03, HSJ04, HW09, K810, MZZ10, Mye95, PP85, Sch88, Smi91, dLFMO7, BG1NP94].

Large
[ACM92a, ACM93a, ACM94a, ACM95a, BL1W12, CM58, HWW06, Hud89, KP99c, Kor83, KST12, ND02, SA96, Sch13, Wag74, ACM87, AGM05, AOMC07, BL13, BLS03, BKBW92a, BKBW92b, Coh90, Dit78, FhDAF09, HWW07, HWJ03, HSJ04, HW09, K810, MZZ10, Mye95, PP85, Sch88, Smi91, dLFMO7, BG1NP94].

Languages
[ACM92a, ACM93a, ACM94a, ACM95a, BL1W12, CM58, HWW06, Hud89, KP99c, Kor83, KST12, ND02, SA96, Sch13, Wag74, ACM87, AGM05, AOMC07, BL13, BLS03, BKBW92a, BKBW92b, Coh90, Dit78, FhDAF09, HWW07, HWJ03, HSJ04, HW09, K810, MZZ10, Mye95, PP85, Sch88, Smi91, dLFMO7, BG1NP94].

Large
[ACM92a, ACM93a, ACM94a, ACM95a, BL1W12, CM58, HWW06, Hud89, KP99c, Kor83, KST12, ND02, SA96, Sch13, Wag74, ACM87, AGM05, AOMC07, BL13, BLS03, BKBW92a, BKBW92b, Coh90, Dit78, FhDAF09, HWW07, HWJ03, HSJ04, HW09, K810, MZZ10, Mye95, PP85, Sch88, Smi91, dLFMO7, BG1NP94].

Languages
[ACM92a, ACM93a, ACM94a, ACM95a, BL1W12, CM58, HWW06, Hud89, KP99c, Kor83, KST12, ND02, SA96, Sch13, Wag74, ACM87, AGM05, AOMC07, BL13, BLS03, BKBW92a, BKBW92b, Coh90, Dit78, FhDAF09, HWW07, HWJ03, HSJ04, HW09, K810, MZZ10, Mye95, PP85, Sch88, Smi91, dLFMO7, BG1NP94].

LZW-Compressed [Gaw12, GR99].

[BF97, FTJ95, KK95, BK86, RP95].
GG92, Gal95, GPP04, GC01, GPR95a, GIK97, GP01, GIMV03, Gaw12, Gaw13, GP93, GM02, Gia93, GG95, GG97, GM11, Gil85, GZ94, Gon02, G86, Gri79, Gri83, GL01, Gro92, GL86, GV05, GMMN12, HD80, Han13, Har02, Har97, HAR10, HL10, HT14, Haz01, Hea71, HEWK03, Hei01, HL97, HH93a, HO82, HSTS01, How97, Hui92, HW12, HNO2, HNO5, IS94, IMP01, IMR08, IST05, IS86, IK83, JGZL12, JSC83, JTU96, KPR97, KPR00, KU99.

Matching
[KS12a, KR81, KR87, KRS95, KRS97, KP93, Kes79, KTSA99, KMT+01, Kid09, KST94, KKL01, KKK11, KS06, KS11b, KS12b, KM92, KM95a, KM95b, KMP77b, Kor83, KK02, KR97, KU09, KNS12, Kül10, KVX12, KNMN00, KC99, Lab12, LSV08, LV94, Lav91, LP13, Le 91, LM01a, Lee95, Lec98, LKL02, Lee09, LT03, Lee95, Les94, LV06, LY86, LTL04, LLLL08, LA12, LLCC13, LP11, Liu86, Liu88, LM02, LCL06, LW+15, LS94, Lu02, MO79, Maa06, MS98, MKF91, MU02, MW92a, MW92b, MGW14, MHT09, MUHT96, Mcl85b, MPN+14, Mel95, Mey85, MM02, Moh97, MS01, ML6a, ML96b, Mu 95, MuT95, Mum07, MR92, Mut97, Mut00, Mye92, Mye98, Nao91, NR98, Nav98, NBY99a, NR99b, NBY99b, NBY01, NOV04b, NWE97, Ned98, NdMM02b, ND02, NCKL14, OR12, Ott94, OM88, PDL98, PAMP12].

Matching
[PS10, PK95, Par96, PV91, PP10, PW95, Phi94, Pol13, PP09, Pon93, PK85, PS93b, RR90, RR92, Rao95, RM88, RT02b, RS98, Ric79, RKH02, RPE81, SV94, SMD04, STK10, SCFC94, SN92, Sca11, Sch95, SRR92, SRR95, Sh93, STSA99, SKF+00, Sh00, Shi00, Shi92, SSSS10, Sim83, Sim94, SF01, SDM01, Sli78, Sli83, SW09, Som82, Spi99b, St06, ST95, ST96b, ST04, Tak86, Tak94, TMK+02, TS05, TZ94, TU93, TP97, TMV+01, TK07, TVCM12, UW93, Ukk10, VSM87, VB12, WVR11, Vio92, VG01, VRD01, Vis91, Vis99, VS01, WPKL13, WSW16, Wat96, WKA94, WD99, WBA83, Wri94, WM92b, WMM95, Xi03, YP12, YP13, YK11, YJ84, Yun12, ZZ12, ZS13, ZLN11, ZT89, Zue96, de 82, van14, yWL12, AMB+02, ADR03, ADR06, AK08]. matching [AK09a, Ak78, Aku95, Alb99, ACF05, ASG99, ALV92, AF92, AFM94, ABF94b, AAL+07a, ALLL98b, AL01, ALP04, ABC+04, AKT06, ALLS07, AAK+09, AEK+11, ABH+14, Ano01, AG84, Apo92, Awt09, Ak97, ACP05, ADLM01, AG96, AD11, AGW13, AG06, BFKL13, BYR93, BYP96, BYC03, BSY00, Bak78, Bak93, BDB90, BCD98, BSTM10, Br09, BA15, BKB+14, BLPP90, BLPL92, BFC08, BFG09, BGVW12, Brr77a, BGJ91, BO13, BBL98, Bra09, BB12, BBHK14, BG90, BG91, BCT93, Bre95, Bre96, BGM13, BKS02, BKF+03, BEL04, CGK08, CTP92, CFCF13, CS98, CPW88, CF88, CK04, CGM10, CL00, Cha93b, Cha93a, Cha87, Cha02c, CRV06, CJ93, CR95a, CL95, CDDM05, CW13, CNPS15, CH04, CS11, CR78, CWZ10, CJS13, CDP14, CP10, CH92, CCG+93, CH97b, CGG90, CT96]. matching [CD90, Coo89, CM07, Cro92b, CRR93, CG94b, CR94, CL96, CRR99, CCG+99, CK07, Da90, DR06, DS04, DOS93, Dec06, Der95, Di76, DJXX, Dit78, Dow91, Dow93, DC94, DGM90, DHPT10, FL+10, FWW13a, FWW13b, FC98, FT95, FL13, Fat15, Fen01a, Fen01b, FG95, FMdB99, FDG+11,
FBMA05, Fre03, FN04, FM06, Fri97b, Gaà04, Gal75, Gal76a, GS81a, GS81b, Gal84, GG86, GG87, Gal92, GP92, GU95, GPR95b, GR99, GS00, GGF13, GG13, GMC02, GW92, GBY90a, GBY90b, GPN96, GF08, GFG11, GG90, GL89, GV00, HWW07, HY92, HLS07, HFS05, HC87, HR03, HH93b, HM96, HM00, HLS+11, HBRV10, HP01, HK77, How96, HLNO9, HHL06, HF05, Huy08, IIIT13, IS95, Ier99, Ind97, Ind98, IS90, IK08, IM13, II86, ISHY88, JP11].

matching [JL93, Joh95, Joh94a, Ju91, KTP10, Kas08, KN00, Kes91, KTS+98, KMS+03, KST92, Kim99, KWL07, KEF+14, KNT11, KS01, KS05, KMP94, KMP77a, KS96, Kos89, Kos94, Kri09, KKR+13, KGP+05, KT90, LV86a, LV86b, LV89, Lar99, Lee07, LLC03, LH13, LH03, LS10, LP08, Liu81, LHCK04, LO94, LT97, LLL13, MCF+11, MK90, MNU05, Man76, MBY91, MMZ10, MM03, MM07, Mis03, MMH+01, MR90, MA12, Mun95, Mus03, Mus05, Mye95, Mye99, NYuR15, Nak14, Nar91, NBY99c, NRU00, NKT+01, NAV01a, NAV01b, NF04, NT05, NC06, Neb06, NWE99, NDM02a, NC92, NK07, Nil90, OK94, OR11, Opf89, OW03, PS89, PLL10, PPT15, Par98, PS90, PC99, PP94, Per94, Pet07, PMS11, PPZ08, PDC94, Quo92, RM06, RTT02a, RUG97].

Methods
[CLP95, Hua94, LPT12, NBY99b, RJK79, SV94, WZJH12, FMdB99, GPR95b, Ker04, LLL13, MP09, TIAY90].

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

Metrics
[LP11].

Mexico
[ACM92a, BYCC03].

MFC
[AS04].

Miami
[CVP86, IE97].

Michoacan
[BYCC03].

Microcomputers
[ZA87, ZGE85].

Miller
[CR91].

Milwaukee
[ACM81, IEE95].

Minimal
[IF94, MD95, NBY99b, RJK79, SV94, WZJH12, FMdB99, GPR95b, Ker04, LLL13, MP09, TIAY90].

Minimization
[MD95, NBY99b, RJK79, SV94, WZJH12, FMdB99, GPR95b, Ker04, LLL13, MP09, TIAY90].

Miss
[AW89, AJ89b, BST+03, ALP04, Der95, FGKU15, GG86, GG87, GGF13, Gra15, GL89, LV86a, SZ05].

Missing
[DCM15].

Mismatches
[AW89, AJ89b, BST+03, ALP04, Der95, FGKU15, GG86, GG87, GGF13, Gra15, GL89, LV86a, SZ05].

Mistakes
[AW89, AJ89b, BST+03, ALP04, Der95, FGKU15, GG86, GG87, GGF13, Gra15, GL89, LV86a, SZ05].

Names [VB12]. Nancy [Bun94]. nanolithography [SS93b]. narrowing [AEH94]. Nashville [ACM90a]. Natural [GR96, vNG01].


Non [Ben94, CDM11, ABH+14, CCF13, HJW+92, TZH+13]. non-exact [TZH+13].

Non-Overlapping [Ben94, CCF13]. Non-periodic [CDM11]. non-strict [HJW+92]. Nondeterministic [Cha02a, DL95, DL03, HSW97, Ry89]. Nonlinear [RR92, Dan91, NA90].

Nonuniform [Lut02]. Norm [TZW94, WC14]. normalization [KWLL08].

North [IEE89]. notation [Man06, Rev91]. notations [Vol12]. Note [BST+03, CR92, Gra15, Gro91b, Ry89, Sil77, tC09]. notes [BLPL92].

notion [Cha02c]. Novel [LLCC13, LS99]. November [A+08, IEE89, IEE93, IEE98, NEH90].

Novice [JN08, MLM+08, PP94]. NP [TCC91]. NP-completeness [TCC91]. NR [Nav01b]. NR-grep [Nav01b]. NUCA [HFFA09]. Nucleic [CCL87].

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

O [PSK08]. OBDDs [CH04, YKGS11]. Object [CJ93, GP93, LT90b, Co09, GPTV93, LCC03, TG96]. Object-Oriented [GP93, LCC03]. Objects [BZ98, Alb89, HNB+13, IM13, Mar89, MR05]. oblivious [HLS+11]. Obtaining [HW07, DR06]. OCaml [Fr06b]. occurrence [Cha02c, Mus05]. occurrences [FLSS93a, FLSS93b]. OCR [San95, TAY90]. October [Bao93, IEE89, IEE90, IEE92, IEE95a, IEE97, IEE09]. off [MNS07]. offer
Offers [Fri97b]. Offline [MT14]. omega [SMT+86].

omega-extended [SMT+86]. Omni [Wol86]. Omni-Font [Wol86]. On-Line [FG98, GG97, Lut02, Tak86, CLP95, Joh95, KNT11, CT96, FG95, Gal75, 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]. Operating [IEE01a, IEE01d, IEE01c, IEE01b].

Operational [HH83]. Operation [CH96, AGM05, Ear74, GW92, GH09].

operators [For02, Kea91a, Sym85, MMDj11]. Optimal [AO502, AR00, ABF94b, BH96, CG94a, CR92, CGH+98, FG95, FG98, FNU02, Gal84, Gal95, Gaw13, GG97, Hig86, IY02, KU99, KR94, LMMN07, MS98, MP88, Mor83, Mut00, Nak14, NWE97, NDM02b, SN92, BB+99, BG90, BKS02, CMO+08, CR94, FN04, GS81b, Gal92, GR99, GKH14, HFFA09, IKX15, IP96, KR89, KT90, MSRR00, MS95, Neb06, PPTT15, Ryt89, ZC99].

Optimally [CCG+93]. Optimization [GC01, HJ99, LT09, Sca11, Spj99b, CK02b, KWLL08, KGP+05, SJ13, Spj99a, VW11]. Optimized [AK09b].

Optimizing [LM01a, KS08]. Optimum [LD10]. Oracle [FPD08, GL03].

Order [HW12, KEP+14, SdM01, Wag74, BLSS03, Chl08, CNPS15, CT96, Dow91, Gie90, Kes91, NRO12, OR11, OND98, Pie08, TPT13, Zeh08].

Order-preserving [KEP+14, CNPS15]. order-sorted [Gie90, Kes91].

Ordering [Wag74].

Packing [BM91, KS08].

Package [van14, Kas08]. packed [BKBB+14, GF13].

Packet [LLL08, VWR11, YP13, BAC12, CMS08, NYuR15]. Padova [Apo93].

PageRank [LSV08]. pair [PPZ08]. Pairs [GLS92]. Paisley [yWL12].

Palermo [GM11]. Palindrome [Gal76b, H713, Gal75, Gal76a].

Palindrome-Recognition [Gal76b]. Palo [IEE93, IEE98]. PAMA [LCL06].

paper [Pet95]. Papers [Cro92a, Moo64, ACM69, ACM74, ACM76, ACM81, ACM92a, ACM92c, ACM93a, ACM94a, ACM95a, IE92, IE93, A+08].

paradigm [AC93]. PARAD [WOQ+07]. Parallel

[As85, BL94, BG92, CF06, CG87, Che96, CHL14, CCL87, CR92, CGH+97, CK+98, DK13, ECSS88, GG87, Gal95, GHK+91, GZ94, GS85, GIG77, HN02, HN05, IS86, KR94, KKK11, Kül10, LLCC13, MS01, Muk00, NR98, RR90, SV94, SN92, TVCM12, VMML15, Wei83, BGNP94, BLPL92, BG90, BG91, Bre94b, Bre95, BH96, CL09, CCG+93, CR91, CR94, Gal84, Gal92, GS93b, GF08, Huy84, IY86, JRV96, KI15, LV89, MK90, Mis03,
Parallel-Algorithms [SV94]. Parallelism
[MKF91, Wri94, HFN05, LV86b, NR00, RW93]. Parallelization
[KP93, RP95]. Parallelizing [HN90]. Parameter [Jok90]. Parameterized
[BRL13, BDFW94, CHLT14, IS94, AFM94, Bak93, CGK08, FM06, HLS07, IS96]. Parametric [Chl08, HMF94]. parentheses [PDC94].
parentheses-matching [PDC94]. Parenthesis [Sto96]. Paris [Cro92a].
Park [IEE89]. Parse [Kea91a, DF00]. Parser
[Hol84, TB00, Gan89b, LK06, ML09]. Parsing
[AU72, AU73, Cam99, GHN97, MM14, Ier09]. Part [Kul11].
Part-of-Speech [Kul11]. Partial
[Ant95, Ant96, CW84, CD9, GL01, KKL08, Mor83, Sni91, Zve80a, Zve80b, ADR03, ADR06, HR03, Jor92, KCK93, MR09].
Partial-Match [Mor83, Zve80a, Zve80b]. Partially [ZM93, HY92].
[MW94]. paste [AM97]. patches [TC90]. Path
[Bac94, BLI92, CDL99, HJ99, LM01b, Tar81a, Tar81b, TPT13, Che96, CK02b, LM12, PC02, YCJ08, YT03]. Path- [TPT13]. paths
[GLS07, LM13]. Pattern [AMB+02, ABM98, AAL97b, ALL97, AAL+97a, ALL98a, ALL00, AAL+00, AP10, Ano92b, Ano96, iA94, AG84, AT02, ADRM06, AW89, Ash85, AJ92, AGS96, AD11, BKY98, BCD98, BEM912, Bee81, BKLP97, BBL93, BBL98, Bow87, BTC06, BGJ01, BCF12, BCC+13, CCFG12, CS98, CD11, CG87, CK04, Cha92b, CZCD09, CK92, CDE95, CG94a, CLP95, CM08, CL95, CHZ06, CJS92, CD14, CH03, Co94b, CG79a, CG79b, Cro92a, CR92, CR95b, CGPR95, CL96, CGH98, DA98, DB86, DWE98, DLG92, DN77, Dit78, DCM95, DGM94, Dwe00, EIV04, EF13, Far92, FL08, FR00, For02, FNU02, Fu95, Fu96, Fu97, GPP04, GC01, GRS99, GIK97, GP01, GIR97, Gaw12, Gaw13, GP93, GM02, Gia93, GG95, GG97, GMI1, GM02, Gil85, GW92, GGN96, Giri97, Giri83]. Pattern
[GL01, Gro92, GL92, Har02, Har97, HAR10, HH83, HL10, HT14, Haz01, Hea7, HEWK03, Hei01, HL97, HO82, HST0, How7, HW12, CV98, IMR08, IST05, JSC83, KPR97, KPR00, KU99, KS12a, KR81, KR87, KR94, KR95, KR97, KN00, KP93, Kes91, Kes79, KTA99, KMT+01, Kid90, KKS101, KKK11, KS01, KS06, KM92, KM95a, KM95b, KMP77b, Kor83, Kra90, KKK0, KU09, KNS12, Ku10, KVEX12, KNMH00, KK99, Lab12, LV94, L91, LP13, LM01a, LK82, LT03, Les95, LV06, LTL04, LA12, LLCC13, LP11, Liu86, Liu88, LM02, Lut02, MZ07, MS98, MCF91, MU02, MW92a, MW92b, MGW14, MHT97, MU97, McI95, Mcl85a, McI85b, MS01, Mu95, MuT95, Mutt00, Mye92, Nao91, Nar91, Nav98, NBY99, NR99b, NBY01, Nv94b, NWE97, Ned98, NDMM02b, ND02, Neu10]. Pattern
[NCKL14, OR12, OW03, Ott94, PDL98, PS10, Par96, PV91, Pet92, PW95, PPZ08, PP99, Pou93, PK85, PS93b, RR90, RR92, Rao95, RM98, RS98, Ric79, SMD04, SCFC94, SN92, Sch95, SRR92, SRR95, S96, Sha93, STSA99, SKF+00, Shi00, Shi04, SSST10, Sim83, SF01, SDM01, SW09, Som82, Sp99b,
Tak86, Tak94, TMK+02, TM05a, TMV+01, TK07, Ukk10, VSM87, VWR11, Via02, VG01, VRD01, Vis91, Vis99, Vol12, VS01, VB98, WCM+94b, WZS95, WSW16, Wat96, WKA94, WD99, WBA83, WM92b, Xi03, YP13, YIAS89, YK11, ZZ12, ZZH10, ZLN11, ZT89, Zue96, yWL12, ADR03, ADR06, AK08, AK09a, AkJ87, AlB89, ASC99, AYCLS02, ALV92, ALLL98b, AL01, ABC+04, AKT06, ALLS07, ABH+14, Ano01, Apo92, Apo93, AH97, ACP05, AP90, ADLM01, AG06, BYR93].

pattern [BYCC03, Bak93, BDB90, BA15, Bir77a, BGJ89, BÖ13, Bra95, BBHK14, BKS02, CGK08, CPT92, CPW88, CF88, CGM10, Cha93b, Cha93a, Cha87, Chat02c, CRV06, CR95a, CLS95, CNPS15, CS11, CWZ10, CJPS13, CCG+93, CH97b, CT96, CD89, CCR93, CCR94b, CR94, CCG+99, CKC07, DS04, Dij76, DijXX, Dow91, Dow93, DGM90, FLM+10, FWW13a, FWW13b, FC98, Fen01b, FBMA05, Fri97b, Gaá04, GP92, GU95, GR99, GS00, GGF13, GG13, GPN96, HWW07, HC87, HM96, HBRV10, HP01, HK77, How96, HLN09, IIT13, Iba97, Ier90, Ind97, IS94, JGZL12, Les79, SB09, TMV+01, ADT15, Alb89, AG06, BLR11, BSM+07, BOS04, Bro77, CP10, Dan91, ETF88, IS96, JSH09, KHH15, KRLM09, MR09, NDMM02a, Tak93, Ver92, Vou06, Wa89, ZKCY07, ZJL14].

Pattern-based [Far92, KS07]. Pattern-Directed [Kor83]. Pattern-Match [Pet92]. Pattern-Matching [FR00, KPR97, KPR00, KR81, KR87, KRS95, KRS97, KP93, KVX12, Lut02, MUHT96, NWE97, Ned98, Ott94, Pour93, SCFC94, Sch95, SSSS10, SW09, WM92b, CL96, GMC02, KN00, CF88, DijXX, Fri97b, Gaá04, Ier09, LHI3, Nav01b, NWE99, NDMM02a, OR11, Per94, Sch88, Sen00, SGM10, Sill77, Smi91, SDS14, SCHY93, Spec85, Spi99a, Sri93, Sto02, SNM07, TZHY14, TM04, TM05b, Thi93, TIT83, Val09, Van06, VW11, Via04, Vin77a, Vin77b, Vis90, Wad87, WCM+94a, WGMH13, WC14, WL15, WZ96, WW03, Wat03, Wea94, Yao79, YCK08, ZCS89, ZMAB03, ZO109, ZCD012, dRL95, JD89].

In the above collection of references, it is important to note the various patterns and methodologies employed. The list includes a variety of works that have contributed to the field, ranging from early seminal papers to more recent advancements.

In conclusion, the pattern-based and pattern-directed approaches offer powerful tools for solving complex problems in a structured and efficient manner. These methodologies have been widely adopted across various domains, from biology to computer science, demonstrating their versatility and effectiveness.

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**Keywords:** Pattern-based, Pattern-Directed, Pattern-Match, Pattern-Matching, Pattern, Pattern Recognition, Computer Science, Biology, Data Analysis.
permutation [KKR+13]. Permutations [BBL93, BBL98, Chr96, Iba97].
permuted [BEL04]. Perrin [Bre93, Bre96]. Personal [VB12]. Petri
PHP [B+05, ST03, SM04, Stu07]. Piconets [LTL04]. Pictorial
[DOS93]. picture [Mar89, TCC91]. Pittsburgh [IEE92]. PL [FPD08]. PL/SQL
[FPD08]. placement [HFFA09]. Plagiarism [PAMP12]. Planar
[CM08, Hig86, TZYH14]. plane [AK99a]. planted [Tan14]. PLAs
[KTU87]. plasma [AP90]. Platform [HZ13, ZLN11, FNP09]. play
[FHW10]. Plexus [AB09]. plush [II09, MI07]. Plushie [MI07].
PMETA [Kes79]. pocket [FPD08, GL03, Stu03, Stu07]. PODS
[ACM95b, ACM99a, ACM07, ACM90a, ACM92b, ACM94c, ACM95b,
ACM97a, ACM98]. PODS’11 [Len11]. PODS’12 [KLB12]. Point
[CM08, GIMV03, Hig86, MU02, Ukk10, VS01, WKA94, ZHWW12, dRL95,
AK99a, CGK08, CS98, Rot91, TZYH14, WC14]. Point-Pattern
[LTL04]. Polymorphic [Vou06]. polymorphism [DRW95]. Polynomial
[BCC+13, ISNH94, PW93, FLM+10, GH99, Liu81]. Polynomial-Time
[ISNH94]. polypeptides [SHCY93]. POPL
[ACM94a, ACM95a, ACM87]. Population
[TMV+01]. Population-Based [TMV+01]. Portable
[IEE01a, IEE01d, IEE01c, IEE01b, ZGE85]. Portland
[ACM94a, ACM00, BGNP94]. Position [PRU11]. Positions [Y02]. POSIX
[IEE01a, IEE01d, IEE01c, IEE01b]. Possibilistic [WD99]. possibilities
[LS99]. Post [KGP+05]. Post-compilation [KGP+05]. Postprocessing
[RJK79]. PostScript [HV93]. Potential [KNMH00]. Power
[Bao93, Wo99a, WOQ+07, Wo90b]. power-aware [WOQ+07]. PowerEN
[HKL+14]. Powerful [Pol01, Fri97a]. Practical [BYP92, CSY03, KK95,
Lut02, NR99b, PPTT15, TTHP05, BYP96, CCG+99, DHPT10, Maa06].
Practicality [TT82]. Practice
[CCFG12, DGBH93, KP99a, DRSS96, WL15, Lut02, KKP92]. PRAM
[PDC94, dB93]. Pratt [PV91, Bar81, DS04, Ukk10]. Precessions
[SS93a]. predicate [MFRW09]. predicates [Gan89b, TP07a, TP07b]. prediction
[Fen01b]. Predictive [KKS01]. Prefix [BM00, BCT94, BCT98, CIK98,
GLS92, HWW07, Han13, HAR10, BBHK14, BCT93, Bre95, BFK+03, DK13].
Prefix-Free [Han13, HWW07]. Prefix-Matching
[BCT94, BCT98, BCT93, Bre95]. Preliminary
[GS81b, LS94, WCM+94a, Kos94, WCM+94a]. Preprocessing
[Nao91, CCG+93, Ryt80, Sto02, Tak96b]. Presence [HT14]. presented
[ACM69, ACM74, ACM76, ACM81, ACM92a, ACM94c, ACM93a, ACM94a,
ACM95a, NEH90]. preserving [CNPS15, KEF+14, QPH08]. Prevention
[T05, TBS06]. Primer [Lut02]. primitive [Dow93]. Primitives [KM94].
principle [CL09]. principled [Cox10b]. Principles
[ACM83, ACM87, ACM90a, ACM92a, ACM92b, ACM93a, ACM94a, ACM94c,
ACM95a, ACM95b, ACM97a, ACM98a, ACM99a, ACM06, ACM07, AP90, DRSS96, KLB12, Len11, MMZ10, KKP92. **Priority** [Lav91], **privatization** [RP95]. **Probabilistic** [AJS92, LSV08, MHKR12, Sch91a, Sch91b, TMV+01]. **Probabilities** [PM78, Neb06]. **Probability** [SCFC94]. **Problem** [BCT94, BCT98, CF06, CK02a, Hui92, KS11b, KS12b, KZ02, Pet02, PW93, Yan95, Akf78, B+05, BSTU08, BC06, BCT93, CM07, Dij76, DijXX, FL13, Goo05, Gra15, Gro91a, GZ10, Kar82, Man06, Mae90, Mak89, Man76, Rob79, Sch91, SZ05, Tak96a, Tan14, Tho01, YT03, YHV+15, tC09, GLS92, BLPL92]. **problem-based** [BC06]. **problem-solution** [B+05, Goo05]. **problem-solving** [Tak96a]. **Problems** [CK92, Gon02, Hea71, KPR97, KPR00, Loh10, MNS10, RS59, SV94, Tar81a, Tar81b, Via02, FMdB99, Gro91b, GHK14, HY92, Ind98, Kra08, Mid96, Sri93, SH85, Via04]. **Procedural** [Sym85]. **Procedure** [Gin67, HW09]. **procedures** [MP88]. **Proceedings** [ACM90a, ACM92b, ACM94a, ACM95b, ACM97a, ACM98a, DGBH93, KLB12, Len93, Len11, Lev95, SC04, SC05, SM99, ACM81, ACM98, ABB93, B+02, Bro93, IEE92, IEE93, IEE94a, IEE98, MG94, SC93, SC99, SC01, SC02, SC03, SL10, WN90, Win78, ACM83, ACM84, ACM86, ACM90b, ACM91, ACM92c, ACM92d, ACM93b, ACM94d, ACM95c, ACM97b, ACM97c, ACM99a, ACM99b, ACM00, ACM06, ACM07, AL01, AP10, AGS93a, AGS93c, AGS93d, AGS93b, Ano87, AAC+01, AT02, AOv+99, ByCC03, Bao93, Cha86, DT87, FC98, FL08, FJ92, FMA02, GS00, GM11, Hwa85, CV86, IEE88, IE90, IE94b, IE95b, IE90, KS12a, Ku09, LV06, MZ07, PC99, SMD04, SW94, Sto92, SC98, USE92, Ap92, Ap093, AH97, ACP05, BGNP94, Bun94, CG94b, GU95, HM96]. **Proceedings.** [BGG+94]. **Process** [Gro91a, VVV04]. **Processes** [SBF80, ABS98]. **Processing** [CCL87, TMK+02, VCS+12, vNG01, CL09, CK08, ECSS88, Gre88, KS+15, KIt94, QWX+13]. **Processor** [HKL+14, LHCK04, ME97, MM07, TLLL07, WKRO9, CPW88, Sca11]. **processor-based** [LHCK04]. **Processors** [VCS+12, YP13, TLLL09, YIAS89]. **Production** [DWE89, MUHT96]. **products** [Yod91]. **Professional** [HZ13, JNS08]. **Profile** [FdAF09]. **Profile-guided** [FdAF09]. **Profiles** [SB09]. **profondeur** [Alb89]. **Program** [CDL+15, JP73, Mu 95, MuT95, Wea94, Kod79, KMMN85, Mag81, MP09, Mun95, Pel87, Pra97, WZS95]. **Programmable** [CF9+89, GHK+91, LK90, MM07, LK88]. **Programmer** [BF97, Mae94]. **Programming** [ACM92a, ACM92c, ACM93a, ACM94a, AGT89, Ham88, Hud89, KP99a, Kor83, Mae94, Mye98, ND02, Sym85, Tho01, VHC88, Werner, ACM87, AC93, BAC06, BK89, CM86, Coh90, Ear74, Flas88, HJW+92, KS08, Mor92, Mye99, Pie08, Smi91, YIAS89]. **Programs** [Bir77b, RND97, VML15, BK86, HN90, Jon07, KO194, NWE99, NAR08, OK94, OR11, SLTB+06]. **PROGRES** [Zue96]. **Projections** [Wei83]. **PROLOG** [Wei84, CF88, Gan89a]. **Proof** [Asp12, PPTT15]. **ProofChecker** [SBR+07]. **proofs** [SBR+07]. **Properties** [Sii78, AS85]. **property** [KKM+85, LM13]. **Proportion** [AW89]. **Proposal** [Liu88]. **Protein**


redundancy [Joh94b]. Redundant [RJK79]. reexamined [ORT08]. Refactoring [WGMH13]. reference [FPD08, GL03, Mha05, Stu03, Stu07]. referencing [Lar98]. Refined [Pet94, Sch88]. reflection [HS08, Mor02]. Reflective [Dwe00]. Regex [Sch13]. regexes [MMI14]. RegeXeX [BH07]. Region [Bao03]. regions [CM95]. Register [VSM97]. Regular [AM91, ADR15, Ano86, Anoxx, Ant95, Asp12, Bac94, BTG83a, BTG83b, BC13b, BF97, Ber00, BGNV10, Bra94, BC94, BFS04, BTC06, BK93a, BKW92e, BK93c, Brz62, BP63, Brz64b, Brz65, CDLV99, Cam99, CSY03, CZ01, Cha01, Cha02a, CLOZ04, CJM12, CGR02, CHP92, CC97, CKW09, CDL95, Cox07, Cox09, Cox10a, Cox12, Dax99, Dax03, Dav04, DM11, EU98, FLS98, FU82, Fri02, GRS99, GGM12, GN12, Ghi62, Gil0, Gin67, Gol93, Goo05, GL12, GH13, Hab04, HM98, Ham88, HWW06, Han13, HWJ03, HN11, HJ99, Hol84, HK11, HVP00, HP01, HVP05, HN00, HSW97, Hum97, Hum99, IY02, KUT87, Kea91a, KP99b, KP99c, Kin92, KM95a, KV15, KZ02, KST12, LS06, Lar98, Lee09, LHZH98, LM01b, LT09, Loh10, Mad01].

Regular [MS98, Mag81, MNS10, MY60, MP*14, MPdS12, Mye92, MOG98, NR99a, NR01, Nav01c, Nav04a, NR04, Org03, OF61, ORT08, Pak91, PM78, PPA10, Pat71, Pet02, Pra97, Ray96, Rez92, Ric79, SA96, Sca11, Sch90, SS93a, Sou99, Spe85, SM99, Stu03, Stu07, TV14, TB00, Uma97, VCS+12, VHC88, Wag74, WPKL13, Wat96, Wen93, WMM95, XK92, Yam01, YP12, Zia96, dLFM07, vNG01, AF98, AGM95, AM95, Ant96, AOMC07, ACM02, BCG07, BYG06, BAC12, BRL13, BDFR08, BS86, BNSV10, BCE08, BFG09, BK86, Bra95, BH07, BKW92a, BK93b, BKW92b, CR03, CP97, CK02b, CBT07, CK08, CGPS13, Cox10b, DL03, DF00, EZ74, FL71, FHW10, Fos89, Fri97a, Fri06a, GLR11, GR92, Gel10, GL03, GMS12, GH09, HW07, HWW07, HY90, HSJ04].

resolution [OW03]. resource [FK96]. resource-bound [FK96]. resourceful [BFP+08]. Resources [HAR10, MP09]. Restricted [Kin92].

Results [Lec95, WCM+94b, FL13, WCM+94a]. Retargetable
[GFH82, BDB90, Gan89a, Fra83, GHF83a, GHF83b, WNL+83]. RETE [Alb89, MK90]. Retrieval [BBH+87, GR96, LZ96, MKF91, Mor83, Zve80a, Zve80b, All82, BSY00, PMID01, SD91, ZKA12]. Reusability [PV91].


[Num02] Risk-Based [Num02]. RNA [ABH+14, BA15, MP05, SBHM94, Shi00, Shi04]. RNAi [QLY07]. robot [PS93a]. Robust [Le 91, WZJH12, YP13, BN+09, HLN09]. Roma [AAC+01]. Root [CHZ06, TLLL07]. root-hashing [TLLL07].

Root-To-Frontier [CHZ06]. Rosenberg [CR91]. Rosser [KKM+85].


[Chu95, MHT09, BFKL13, BC95, RP95]. Run-Length [Chu95, BFKL13, BC95]. Run-Time [MHT09, RP95]. Running [DLG12, Gal79, NAR08]. runtime [Rob92]. Russians [Mye92].

safe [HS08]. safety [FF08]. Salomaa [AFI98]. sam [Pik00]. Samples [GZ94, ST96b, Tak94, Kin91]. Sampling [GPR95a, Lut02, Vis91, WSW16, CGR93, Vis90, ZHHW12]. San [ACM92c, ACM92b, ACM95a, ACM95b, DT87, IEE94b, Sto92, USE92]. SAR [B+02]. SASL [LT90a]. Satellite [SS93a]. Saving [Bre93, Bre96, GS80].

Scalable [BAC12, BBHK14, BTC06, HSL10, MT14, VWR11, YP13, ZLN11, AB09, KTP10, TLLL09, VV11, WL15]. Scale [LP13, LYLW08, TZYH14].

Scaled [BEL04]. Scaling [HW12, MS01, YDBB15, ALV92, HLN09]. SCAN [Gre88]. scanner [Hur84, ISHY88]. Scanners [HKR92]. scanning [CWZ10, HFF+08]. Scenes [BZ98, BSM+07]. scheduling [LMMN07, Mid98]. scheme [IK08, MNS07, dLFM07]. Schemas [BGNV10, MNS10, KS07]. Scheme [Bur84, Man94, Man97, Bur82, Kd97, KRL87, LH13]. Schemes [KK08, Pel87, QWX+13]. School [Cro92a, Auo92b]. Science [ACM89, FJ92, IEE89, IEE90, IEE92, IEE93, IEE95a, IEE97, IEE98, IEE09, Gus97, Ker04, Win78]. Scientific

[Fri97b, RB05, BFN +09, Blu08, FhDAF09, Han01, LS99]. scsh [Sar02].

Search
[AC75, Ber00, BK93d, Cal00, EF13, FG98, GG97, KR94, Lut02, Man86, NR99a, NR01, Pol01, SED14, SB09, Sun90, YDDB15, Zha07, AB09, BC13a, BC06, FG95, FG99, GHK14, JRV96, QLY07, Tan14, Tho68, YHV +15, Cox12].

Searches [GN01, MT14, Fen01a, KS08, MW92b, SMS15]. Searching [BS97, BM77, CC97, CCL87, Dav73, EF95, Gon83, HS91, Nav94, Nav97, Nav01c, Nav04a, NR04, TT82, ZMSD93, AEMS14, BYG92, BYG96, Bar84, CD96, CEMW91, HKN14, Han93, KH15, Mha05, Mus03, Mus05, Owo93, Per94, Ryt80, SNZBY00, WM92a].


September [AAC +01, AOV +99, Len93, MG94, Wnw78]. Sequence [BLP94, BDFW94, Bra90, CCL87, GM02, KK08, LPT12, MGW14, RND97, CLT07, ECSS88, GO12, HAI02, MBY91, SVS97]. sequenced [GW92].

Sequences [Hua94, IMR08, MT14, DKP11, GGN06, Gus97, MZZ10, Nil90, ZKCY07, Lut02]. Sequencing [RM06, KRML09]. sequentiability [Ga04].

Sequential [BP63, Brz64a, Brz65, Dur94, GRS99, GPR95a, Man86, Moh94, MR13, Moo64, OF61, PM78, RS98, Wei83, Zve80a, Zve80b, JM90, MMZ10].

SEQUITUR [MHN +01]. serial [GS93b, LV86b, LV89]. Series [LKL02].

server [SWZ01]. Set [HL10, Hig86, Hui92, KF91, CGK08, CP10, KR97, WC14, dRL95]. Sets [EIV04, Pol13, Via02, AK09a, Alb89, CS98, Che96, Kin91, Mat94, Rot91, Sta89, TZYH14]. Seventeenth [ACM89]. seventh [ACM95c, AAC +01].

SGML [BK93a, BKW92c, BK93b, MGH93, MGH97], shading [BSM +07]. Shallow [Cam99]. Shape [BZ98, CTF +98, YJ84, DOS93]. Shapes [HH93a, CT96, HH93b]. Shared [TVCM12, VRD01, SW93]. Shared-Forest [VRD01]. sheaf [Sri93]. sheaf-theoretic [Sri93]. shelf [MNS07]. Shell [IEE01c, RB05, Blu08, Wes97]. shells [Qu100, Qui02]. Shift [Fre03, IMP01, KTS99, CT96, Per94]. Shift-And [KTS99]. Shift-or [Fre03, Per94]. shifting [WQ07]. Short [BLPL92, KRS95, KRS97, Che96]. Shorter [GH13, HW07, ZZH10]. Shortest [Ale94, Mid98, TY97, IKX15, TU88]. shuffle [Jan85, Jed87].
SIAM [ACM97b]. Side [Hum99]. SIG [ACM97a].
SIG-SIGMOD-SIGART [ACM97a]. SIGACT
[ACM83, ACM87, ACM90a, ACM92a, ACM93a, ACM94a, ACM94c, ACM95a, ACM95b, ACM98, ACM99a, ACM06, ACM07, KLB12, Len11]. SIGACT-SIGMOD [ACM90a, ACM90b, ACM94c, ACM95a, ACM95b, ACM96b, ACM97a, ACM97b, ACM97c, ACM98, ACM99a, ACM06, ACM07, KLB12, Len11]. SIGACT-SIGMOD-SIGART
[ACM97a]. SIGACT-SIGMOD-SIGART
[ACM97a, ACM97b]. SIGACT-SIGMOD-SIGART
[ACM87, ACM90a, ACM92b, ACM94c, ACM95a]. SIGPLAN-SIGACT
[ACM92a, ACM93a, ACM94a, ACM95a]. Similar [IK83, HKN14]. Similar-String [IK83]. Similarity [CM94, MU02, AK09a, BSY00, IIK08, II08, JLF114, QWX+13, TP07a, TP07b, WLF114]. Simple [AR00, Bra94, BGM13, Cox07, Gaw12, GL89, IST05, MNS07, Mut00, CLS95, Eck89, Fia88, FHP92, IXX15, IIX86, NY99e, Pet07]. Simpler [CH02]. Simplicity [Wol90a, Wol90b, Edw97]. Similar-String [IK83]. Similarity [CM94, MU02, AK09a, BSY00, IIK08, II08, JLF114, QWX+13, TP07a, TP07b, WLF114]. Simple [AR00, Bra94, BGM13, Cox07, Gaw12, GL89, IST05, MNS07, Mut00, CLS95, Eck89, Fia88, FHP92, IXX15, IIX86, NY99e, Pet07]. Simpler [CH02]. Simplicity [Wol90a, Wol90b, Edw97]. Simulation [BO13, Pet94]. Simulations [Gal76b]. Simultaneous [PS93a]. Single [AAB+86, Per94, FN04]. Single-board [AAB+86]. singlet [AFI98]. singly [BAP06]. singularity [WYA+07]. Sixteenth [ACM97a, ACM84]. Sixth [ACM07, ACM74, ACM94d]. Size [BGG12, CF85, CKW90, Hui92, Kül10, GH09, Li03, PPTT15]. sketching [SLTB+06]. Skolem [Kar82]. sliced [KRL87]. Slicing [DSv94]. Sliding [FL12b]. Small [CLP98, CGPR95, HSW97, MNS07, Mut00, CLS95, Eck89, Fia88, FHP92, IXX15, IIX86, NY99e, Pet07]. Smaller [GPR95a, GLR+11]. smoothed [AK12]. Smoothness [ZCS+12]. SNOBOL [Bro77]. SNOBOL4 [Duf82, Gin85, Liu86, Sch81, Sli77, Sni83, Pag78]. SNOBOL4/Icon [Gri85]. Snowbird [SC93, SC95, SC96, SC98, SC99, SC01, SC02, SC03, SC04, SM09, SM10, SM11]. Society [CV86, NEH90]. SODA [BJK+12]. Soft [CKC97, Hou97, Hou96]. Software [Bee81, FO76, IEE94a, IEE95b, KPP99c, Lu02, MG94, PAMP12, Gre88, Joh01, KOB94, MP88, Spe85]. Solution [Hen71, B+05, BLPL92, Goo05, Sch81, YCJ90]. Solutions [Gon02, St96, BBHK14, DL03, Sta89, BGG+94]. Solver [GKA+12]. Solving [BK93d, SED14, Tar81a, Tk96a]. Some [Fen01b, Gal76b, Liu86, MW92b, Sli78, WCM+94b, Wol90a, WCM+94a, Wol90b]. Sorted [Wal88, Gie90, Kes91]. Sorting [BS97, Chr96, JRV96, FCFM00]. sorting-complexity [FCFM00]. Source [SED14, AG06, Joh94b]. sources [ST96a]. Sourcing [CDL+15]. South [ACM93a]. Space [BC13b, Ben94, CF06, CZ01, Cha94, CF85, CDEK95, CJS93, CGPR95, GS80, GPR95a, KC87, LT09, SWY75, AK08, BCWG09, BGM13, CD96,
CGR99, GS81b, GPR95b, GO12, IKX15, KR89, LMRT14, Rob79, SW12].


Spaced [Zha07, NCV10]. Spain [LV06]. spam [KEG +08]. Spanners [FKRV15]. SPARQL [LM12, LM13, PAG09]. Sparse [WSW16, HSL10, Quo92]. spatial [CS98]. spatio [PMD01].

spatio-temporal [PMD01]. Speaker [PG90]. Special [ALLL98a, AK09b, AGS93a, AGS93c, AGS93b, DT87, ALLL98b, Cro92a]. specialisation [Jon07]. Specific [MGW14, TMV +01, WKR09].


Speech [Kul11, PG90, RJK79, AAB +86]. Speed [FL12b, JGZL12, LK90, VCS +12, LK88, TLLL07, ZYX +12]. Speeding [CCG +94, Deo06, SKF +00, ACF05]. spelling [AB89, BSY00, TIAY90]. spelling-correction [BSY00]. SPIRIT [GRS99]. Split [KKK11, TBS06].


Stack-based [ZZ12]. STACS [FJ92]. stage [YCJ08]. Standard [IEE01a, IEE01d, IEE01c, IEE01b, BR09]. star [HY90, Tho81, YH91, YH92, tC09]. star-free [tC09]. star-height-problem [Tho81]. starting [Mid98]. State [Bow87, CM58, Go93, MY60, Yun12, vNG01, Ga904, HW07, Hur84, MMS14, VHL +12, Yod91].

Statements [JP73]. States [DGBH93, LK06]. Static [Cha02b, HV93, JGZL12, ALLS07, FhDCAF09, GLS07, HS08, JU91, LYWL08, MP09]. Stationary [KS96, ST96a].

Statistical [BGJ01, GS93a, GWvG10]. statistics [Maa06]. Std [IEE01a, IEE01d, IEE01c, IEE01b]. stem [YHV +15]. step [BD98].

Stereovision [PDL98]. Stieljes [KC11]. Still [Gon02, LS06]. STOC [ACM08]. Stochastic [SBHM94]. Stopper [RTT02b, RTT02a]. storage [All82, CDC96, GS81a]. Strategic [Vis99]. Strategies [CJ93, MM02, HBRV10, MM03, MLM +08, PSK08, PCS09, iA94]. Strategy [Bon07, EMC96, AEH94, LLL13]. stream [Nil90]. Streamed [DCM15].

Streaming [BG14, PP09]. Streams [CJPS12, DLG12, Har02, CL09, CGM10]. strict [HJW +92]. Stride [VWR11, NYuR15]. stride- [NYuR15]. String [AOK02, Abr87, AC75, Aku94, AR00, ACR01, ADR15, IA94, ACD01, BST +03, BYP92, BYN96, BY96, BYN97, BYN99, BCP02, BH02, BH85, Ber00, BLLL90, BL94, BM00, BGVV12, BM77, BG92, Bre93, BCT94, BG95, 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, ECM96, FT95, FT98, FL12a, FL12b, FG98, FU98, Fre02, Gal76b, Gal79, GS80, Gal81, GP90, GG91, GG92, Gal95, GPR95a, GZ94, Gon02, GFG11, GV05, GMNN12, HD80, HH93a, Hui92, HS91,
HN02, HN05, IMP01, IK83, JLFL14, JTU96, KST94, KKK11, KS11b, KS12b].

String
[LSW08, LP13, Le 91, Lec95, Lec98, Les94, LY86, LLLL08, LD10, Liu86, Liu88, LLO6, LLW+, LS94, ME95, MY85, MM02, Moh97, ML96a, ML96b, Mun07, MR92, Mut97, Mye98, Nao91, NR98, NBY99b, OM88, PAMP12, PK95, PP94, Pet07, Phi94, Rao94, RTT02a, RTT02b, RKH02, RPE81, SV94, STK10, Shi92, Shi97, Sim94, Sli78, Sli83, Spi99b, ST95, ST96b, ST04, TS05, TU93, TP97, TT82, TVCM12, UW93, VMM15, Wr94, YP13, ZS13, de 82, van14, Aku95, AC05, ALP04, AKE+09, AEMS14, AGW13, BFKL13, BFY96, BY96, BSY00, Bak78, Bar84, BR09, BKBB+14, BLPL92, BFG09, BFP+08, BG90, BG91, BCT93, Bre94b, Bre95, Bre96, BGM13, Bur82, BEL04, CFF13, CL90, Cha93a, CDDM05, CW13, CR87, CH92, CCG90, CD96, CM07].

String [CGR99, Dai09, DR06, Deo06, Der95, DC94, DHT10, FL13, Fen01a, FG95, FMB99, FG99, FBMA05, Fre03, FN04, FM06, Gal75, Gal76a, GS81a, GS81b, Gal84, GG86, GG87, Gal92, GPR95b, GBY90a, GBY90b, GF08, GL89, GV00, GHK14, Han93, HY92, HFS05, HR03, HH93b, HM00, HLS+11, HK77, HHL86, HFN05, Hyy08, IP96, IMS97, Ind98, IS90, IJ93, JI95, JU91, KST92, Kim99, KWL07, KNT11, KS96, LV86a, LV86b, LV89, Lar99, Lec07, Liu81, LHCK04, LT97, LLL13, Mae90, MNU05, MBY91, ME97, Mha05, MM03, MF03, MS95, Mus03, Mus05, Mye99, Nak14, NBY99c, NR00, NK1+01, Nva01a, NF04, NT05, NC06, Ncb06, NC92, PLL10, RUG97, Ry80, Sad93, STK06, Sal12, SW90, ST05, SMS15, ST96a, SG12, Sp99a].

String [SV87, Tak96b, TBS06, TPT13, Ukk92, Ukk93, Vin77a, Vin77b, WL14, Yao79, YT03, d93, GH82].

String-Manipulating [VMM15].

String-Matching [BG14, CCG+94, GS80, Gal95, Les94, LY86, Moh97, Mut97, Sli78, Sli83, CH04, Cro92b, BR09, CFF13, CW13, CR87, CG99, DR06, Gal75, Gal76a, GS81a, Gal92, GPR95b, HY92, HR03, JL93, KST92, LHCK04, PLL10, TBS06, Ukk92, Ukk93, d93].

string-pattern [Kim99].

string-searching [Mha05, Ry80].

string-similarity [BSY00].

String-to-Dictionary [KS11b, KS12b].

string-to-string [Mae90].

stringdist [van14].

Strings [Ale94, BS97, BCFL12, Cha95, Col94b, FT98, Gaw13, Gnu94, GL01, ISNH94, KRS95, KRS97, KMP77b, LT03, Lut02, SW09, Ver92, ADR03, ADR06, BLSS03, BFK+03, BC95, CD89, CR91, EHH8, ETV88, FT95, GO12, Gus97, JRV96, KGA+12, KMP94, KMP77a, KR97, LS10, Me15].

Strong [GGM12, LS06, WD99, AW89]. Strongly [Dur94]. Structural [BG01, KWLL08, Shi00, Shi04, BFS00].

Structure [CG92, Gia93, Les95, Pol13, Sli78, TMV+01, AP90, CRG03, CD96, FG99, FLSS93a, FLSS93b, KW107, MP05].

Structured [BLLW12, KM94, Fla88, TMK+02].

Structures [Cha01, Cha02a, GG97, Gor90, LSW08, Lar99, Lec98, Les79, ABH+14, BA15, GMC02, HN90].

stud [AEK+11].

Studien [SM74]. Studies [JM85, SM56, SM74, SS93a].

Study [CSY03, FTJ95, JM85, MM02, PV91, Sca11, Fen01b, PSKO8, SK96].

Studying [MGH93]. Sturman [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]. String [Har71, Joh94a, Sun90, BSTU08, Gra15, HKN14, IKX15, JKNS00, Maa06, Sto02]. string-preprocessing [Sto02]. Substrings [Coh98, Boo92, FG15, LG94]. Subtype [WZJH12]. Succinctness [Gel10, GN12]. sufficient [KT90, MR90]. Suffix [AOK02, ABM08, FL12a, GV05, GLS92, Kid09, LSW08, NR98, OR12, Shi00, Shi04, UW93, BK13, FCFM00, GV00, HHLS06, Kos94, NR00, TTHP05, Uk93]. Suitable [CCL87]. Sums [BM00]. Sup [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, Rob92]. supporting [CMW87]. supports [Nil90]. surface [TCCK90]. Survey [Brz62, Kni89]. Surveyor [Fra83, GGF83a, GGF83b]. Super [PIT03]. Synonyms [LLW+15]. Syntactic [KKSL01, TB00, Wol86]. Syntax [BM00, CFS+89, DMWW77, Har79, IE01a, IE01d, IE01c, IE01b, KSWC93, KMT+01, KKS01, MM02, SF01, Som82, Wol86, AAB+86, BAC12, BK07, GPTV93, KAT07, KMS+03, KLR+08, LHCK04, MI07, TIAY90, WCW82]. Systematic [KK95, NAR08]. Systems [ACM83, ACM90a, ACM92b, ACM94c, ACM95b, ACM97a, ACM98, ACM99a,
SystemT [KLR + 08].

**table** [GHS82]. **tables** [EF95, Mus05, Quo92]. **tagged** [Lau00]. **Tagging** [Kul11, KEG + 08]. **TCL** [Wes97]. **TAM** [Eck89]. **taxonomie** [CZW10, WZ96].

**TBNF** [Man06]. **TCAM** [MPN + 14, PD12, Yun12]. **TCAM-Based** [Yun12, PD12]. **Tci** [Wes97]. **Teaching** [GOMSJGP08]. **Technical** [Spi99b]. **Technique** [Vis91, ZT89, Bak78, CK02b, Fla88, PC02, Vis90]. **Techniques** [DCM15, GS93a, GL86, HH93a, Kuk92, Mu 95, MuT95, NR04, Tho98, DOS93, EF95, Fri97a, HH93b, MSRR00, Mun95]. **technologies** [OKT92]. **Technology** [IEE01a, IEE01d, IEE01c, IEE01b]. **Template** [SN92, Coo89, FLSS93a, FLSS93b, SS94, SA77]. **Templates** [HL97]. **temporal** [PMD01]. **TENCON** [Bao93]. **Tennessee** [ACM90a]. **Tenth** [IEE94b]. **ter** [Lia84]. **Term** [Dur94, Lav91, Pet92, PS93b, KN00]. **Terms** [Cha02b, ZMSD93]. **tessellation** [TIT83]. **Test** [Har71, AGS4, RP95, SMS15]. **testable** [Mei08]. **Testing** [Bre94b, Hei01, Lu92, Han92, KKM + 85]. **tests** [Thi93]. **Texas** [ACM97c, NEH90, IEE94b, IEE95b]. **Text** [BBH + 87, CC97, Fai85, GN01, Gon83, Gor00, GV05, How97, KR92, KTA99, Kuk92, KVX12, Man94, Man97, Nao91, NR99b, Nav01c, Pil00, Ritxx, STSA99, SKF + 00, TMK + 02, TT82, ZA87, AMB + 02, ALLS07, BYG92, BYG96, BCD98, BC13a, BFNP10, CL09, CHLS07, CR95a, CM95, CEMW91, CL96, GGF13, Gre88, GV00, How96, Ier09, Il08, KR89, KTS + 98, KWL08, MW92b, Mus03, Mus05, NKT + 01, NT95, OKT92, RH81, San95, SKS96, SNZBY00, WM92a, YT03]. **text-compression** [CL96]. **Texts** [BKLP97, BG95, CL95, Lu92, ML96a, Rao95, TMK + 02, BFKL13, BSY00, BF909, CD96, DS04, JU91, KS01, Sen00]. **Textual** [BH85, Haz01, Joh94b]. **Texture** [VB98]. **tf** [TP07a, TP07b]. **tf-idf** [TP07a, TP07b]. **Their** [Brz62, CJM12, GJ73, HN05, MHKR12, OF61, RS59, BRL13, GR92, Lu90, NEH90, Pil87]. **theoretical** [Pie08, Sri93]. **Theoretical** [CL92, FJ92, MAC14]. **Theorie** [SM74]. **Theory** [ACM69, ACM74, ACM76, ACM81, ACM84, ACM86, ACM90b, ACM91, ACM92d, ACM93b, ACM94d, ACM95c, ACM97c, ACM99b, ACM90, ACM87, AU72, AU73, CM97, Lut92, Pet92, SW98, AFI98, Bak93, Han02, HR00, SBR + 07, VV04]. **third** [ACM91, AGS93d, Apo92]. **thirteenth** [ACM91, ACM94c]. **thirtieth** [Len11]. **Thirty** [ACM90, ACM99b]. **thirty-first** [ACM99b]. **Thorn** [BFN + 09]. **threaded** [MAC14]. **Threading** [OR12]. **Three** [Cha02a, GPP04, HEWK03, KR94, Les79, Les95, de 82, AK08]. **Three-Dimensional** [GPP04, HEWK03, Les79, Les95]. **threshold** [BSTU08]. **thresholds** [AD11]. **Throughput** [BTC06, LPT12, TS05, LH13, LMMN07]. **Thue** [KKM + 85]. **TIG**
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