A Bibliography of Publications on Hashing Algorithms

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Title word cross-reference

#2 [Cer85].

1 [PPS21]. 10 [GLM+10]. 11 [SY11]. 2
[EAA+16, GG92, HD72]. 2n [QG89, QG90].
3 [CBA94, Fly92, GG92, GK94, LMJC07,
LDY+16, SYW+20, WSSO12]. 5/8 [Sch11].

62m [Nic17]. 64 [LK16]. * [LNS93]. ♦
[Omi88, Omi89a]. MT [HRB13]. 2
c [SWQ+14]. d [FPS17, PRM16]. f [LG78].
GL2(Fp). [TNS20]. H2 [DRS12]. H2,A
[CBB05]. K [Yuv75, APV07, CL85, CC91,
CLC92, DKRT15, Die96, EFMRK+20,
FPS17, Gui78, HC14, LLG+17, PT10a,
PT16, PNPC20, RRS07, SS90b]. L [OOB12].
Lp [CJ19, HFF+17]. SL2(F2n) [SGGB00]. N
[BRM+09, BS91b, BS91a, CM01, Gir87,
Ven86, WS93, War14, Coh97, Coh98, LHC05,
QG89, QG90]. O(1) [FKS84]. O(log log n)
[MN90]. O(log W) [LS07b]. O(N)
[HC77, MN90]. P2 [VD21]. Pn [Ack74]. π
[FFGL10]. q [OWZ14]. SL2 [MT16]. Z/p
[Mue04].

-approximate [SWQ+14]. -ary
[CC91, CLC92, Gui78, RRS07]. -Bit
[QG89, QG90, LK16, LK11]. -Body
[WS93, War14]. -codes [Bie95]. -dimension
[LHC05]. -dimensional [Yuv75].
-Functions [OOB12]. -gram
[COH98, Ven86]. -Grams [Coh97, BRM+09].
-Hash [BS91b, BS91a]. -Independence
[PT16, PT10a]. -mer [HC14, PNPC20].
-min-wise [FPS17]. -Nearest [CL85].
-partitions [DKRT15]. -Pipeline [PRM16].
-probe [SS90b]. -Round [GLM+10, SY11].

1
-SHARP [VD21]. -tree [Omi89a, Lyo83].
trees [CM01]. -verarbeitung [Nie75].
-wise [Die96].

0 [BCJ15, ITP14, NSS+06, WYY05d]. '07 [ACM07]. '08 [ACM08b].

1 [AMSM+09, AAE+14, BCJ15, Con17, DR06, JRPK07, KKRJ07, KRJ09b, KJS17, Nat95, SKF15, WYY05a, WYY05b, WYY05c]. '10
[Ano10]. 100 [BLC12]. 100-Gb [BLC12].
100-Gb/s [BLC12]. 10118-3-10th
[Ano93a, DSZ07a, DSZ07b, DJRZ06, IEE94a, Fre90]. 11th [PV85, Shm00].
128 [LP16, MNS12, WFLY04]. 128-bit [MIO89].
12th [BJZ94, Bri92, Bri93, DJRZ90, LC06]. 13th [DJN90, Shi93, Shi94c, Vid90]. 14th
[AAC+01, Bri07]. 15th
[BIF92, BJZ94, Cop95a, Cop95b, IEE74]. 160 [BDP97, PBD97]. 16th
[HM08, MSDS90]. 17th
[FS09, IEE76, IEE95, MS05, Pat90, Ano10].
18 [Sar80]. 180 [Nat95]. 180-1
[Ano95b, Nat95]. 180-4 [Dan13]. 18th
[Deb03, Yua92]. 1969 [AFI69]. 1974
[Ros74]. 1975
[ACM75c, ACM75b, ACM75a, Ker75]. 1976
[ACM76]. 1977 [ACM77b, Gil77, TWW77].
1978 [Win78, Yao78]. 1979 [ACM79, Ng79].
[LFP82, VLD82, IEE82, NS82, Sch82a].
1983 [Ano83, ST83b]. 1984
[ACM84b, ACM84a, DSS84]. 1985 [PV85].
1985/11th [PV85]. 1986
[ACM86b, CGO86, Fis87, Ox86b]. 1987
[DT87]. 1988 [ACM88b, BD88, WGM88].
1989
[LIW98, ACM89c, MK89, PK89, RK89].
1990
[ACM90, Jāj90, USE90, Vid90, WYP90].
1990's [Rie89]. 1991
[ACM91d, ACM91e, IEE91a, IYSS91]. 1992
[BIF92, Sto92]. 1993 [BJ93, IEE93].
1993/sponsored [HB93]. 1994 [SW94b].
1996 [ACM96]. 1997
[ACM97a, ACM97b, ANS97]. 1998
19th [ACM91b, Kui92, RRR99, Wei99, vL94, ABB93]. 1st [CCC89, Coh94].
5 [PW94]. 5-Independent [TZ12]. 512 [GLM+10]. 51st [IEE10]. 52nd [IEE11b].
54th [IEE13]. 5G [Cho21]. 5th [BRW93, Boy95a, Boy95b].

68110a [Sar80].

'76 [Jen76], '79 [Ng79]. 7th [ARA94, Bar83, CHK06, USE00b, Win78].

80f [Sar80]. '83 [Ano83, CRS83a]. '84 [ACM84a]. '85 [IEE85b]. '86 [AA86]. '87 [CP87, CP88]. '88 [ACM88a]. '89 [ACM89a, BV89, BF89, Bra90, QV89, QV90, CP91c].

9-13 [ACJT07]. '90 [AFK90, A+90, Dam90a, Dam91, IEE90, MV91c, SP90]. '91 [ACM91a, Dav91, Fei91, HL91, IEE91a, IRM93, ACM91c]. '92 [Brit92, Bri93, BW92, FNY92, IEE92a, KLT92, Rue93, SZ93, Yua92]. '93 [Ano93c, BRW93, BJ93, Hel94, IEE93, Lom93, Sti93, Sti94c, vL94]. 93k [Pro94]. '94 [ACM94b, De 95, JB94, PSN95, SW94b, SW94a]. '95 [Cop95b, GQ95, IEE95, Lev95, QG95]. 959 [ACZ16]. '96 [Lak96], '99 [Wie99]. 9th [DJRZ06, ST83a, IEE88d].

A. [Pro94]. Aarhus [Dam90a, Dam91, NS82]. ability [DLM07].

abolishing [DSS10]. Abstract [DP08, EjKMP80, Lun73, MW95, SW97, THS97]. Abstraction [CL83, DL06, Hil88, LPSW03]. abstraction-safe [LPSW03]. Academic [Cer85]. ACCEL [HKL04].

ACCEL-RATE [HKL04]. accelerate [GK12b]. Accelerated [Kri89, MW90, MWC12]. Accelerating [HAK+16, TT82, BLY20]. Acceleration [FAFK21, JMH02]. Accelerator [FM91, TLL09]. Access [Ast80, BDPSNG97, BM76, CF89a, Cla77, Dum56, FNPS79, Fal85b, F+03, FP89b, FKS84, GG74, HB89a, HB92, KR86b, KR86a, KM88b, LK84, Lit84, LL96, LMR92, MY79, Mul72, Ols69, Pet57, SD85, SDKR87, SHRD09, Tra63, VB00, XHZ+19, YL04, And88, Bay73b, BCGS16, CS93a, FPSS05, HB89b, KFG15, Lar88b, Lin63, MBK00, Mil95, ML95, RT89, TKT+89, ZO13].

access-pattern-driven [ZO13]. Accessed [Ols69]. Accesses [Pan05]. Accessing [Cha88, Ore83, FK89]. accommodation [HO72]. Accumulative [XHZ+19]. Accumulated [Ny96]. accumulating [ZHW01]. Accumulators [CHK008, PTT16, CHK012]. Accuracy [YW90, HKL07]. Accurate [LCL+20, PCV94, SL16, YGS+19, NTW09, TYSK10]. Achieve [LLL+16]. achieved [Con17]. Achieving [Lar88b, Lyo85]. ACM [ACM94d, ?69, ACM75c, ACM75b, ACM75a, ACM76, ACM77b, LF82, ACM82, ACM83b, ACM84b, ACM85b, ACM85a, ACM86b, ACM86a, ACM87, ACM88a, ACM88b, ACM89b, ACM89a, ACM89c, SDA90, ACM90, ACM91c, ACM91d, ACM91a, ACM91c, ACM96, ACM97a, ACM97b, ACM98, ACM01, ACM02, ACM03a, ACM04, ACM05, ACM07, ACM08a, ACM08b, ACM11, ACM12, Ano92, BIP92, BJ93, CLM89, FMA02, GMJ90, Van10, HF13, IEE02, Jen76, Kar98, LL80, Mat09, Nav85, Ric89, ACM77a, Shm00, SW94b, Sto92, YR87, ACM81, ACM91b, BV89, Lie81].

ACM-SIAM [ACM94d, SDA90, SDA91, ACM97a, ACM05, ACM08a, Kar98]. ACM-SIGMOD [Nav85, Lie81, ACM81]. across [HWWZ18, SF88]. Action [BFR87]. activation [ZO13].}

activation [SZO+20]. Active [GHJ+93, EVF06]. Actor [TCP+17]. Ad [DHP08, JH08, Cha12]. Ad-Hoc [JL08]. Ada [BCS89, ST86, TR006, W984].

AdaBoost [LLZ10]. Adaptable [NHS84]. adaptation [DOP+14]. Adapted [RJK79]. Adaptive
Ahn86, Ahn87, BK90, CBB05, CS02, Gri98, HT88, IGA05, KR91, KL08, LBj02, OL91, OL92, ST93, TC04, ZG90a, Zel91, GZ99, HAK+16, LYJ+13, LMLC14, TB91.

Adaptive-Hash [OL91, OL92]. add [FJ13]. add-rotate-xor [FJ13]. Addendum [CV85]. addition [FJ13]. Additional [LY72]. Address [HP63, Jai89, Jai92a, Jai92b, Jaixx, LYD71, Lum73, PK87, SR63, Tam85, TK85, Wil96, LY72, MLP07, MPL09, RW07]. Addressable [Hin20, RSK17, Koh80, BB07]. Addressed [SVCC01]. Addressing [Bay74, Bra84a, Bra86, Buc63, Fab74, Fel87, Gon77, Gon80, JC88a, Kno71, Kno88, KR79, KRJ+80, Lit80, Litxxa, LH03b, LH03a, Mot84, MC86, Pet57, RJK79, SS62, SD76, Som99, Tra63, CKW93, Lin63, NK16, Tt81, Wan05, van73]. Adelaide [Bar83]. Adjusting [Pag85, Wog89]. Administration [Fis87]. Addressing [Fis87]. al. [SPLHCB14]. Alaska [IEE01]. Albuquerque [ACM75c, ACM75a, IEE91a]. Algebra [Bra84b, KTMO83b, KTMo83c, EBD91, FP89a]. Algebraic [AM94b, EjKMP80, Jen76, Lak96, Lev95, Mar71, Ng79, WX01, vdHvH12, BF08, GS89, LS06, Pom87, Coh94, AAG16]. Algebras [CT96]. Algo [FR69]. Algo-Based [FR69]. Algorithm [ANS97, ANS05, AKS78, ABH+73, AEMR09, BH90, BS97, Bou12, Boy98, CS85a, jCPB+12, CdM89, CW09, CT12, Coh98, CHM92a, CHM92b, CM93, Dev93, DCM18, FL73, FFPV84, FCHD88, FCHD89, FCH92, Fro81, Get01, Han90, HCKW90, HR96, HW08, HG77, HC13, Jen97, JRPK07, KMM+06, KKRJ07, Leb87, LLD28, LLL11, LLW10, MX+12, Man12, MHB90, MV01, MH00, NP01, OG94a, OOB17, OL91, Omi91, OL92, Pap94, PCY95, Ps96, Pit87, PMV97, Reg82, SS01, Sol93, Spe92, Sta99, TRN86, TTY93, Toy93, TSP+11, WG00, WW20, WZJS10, WS93, WVT90, Wil97, Wil71, WDT91, WYT93, WL12, ZG90a, ZJM94b, ZPS90, ZPS93a, AS89, AT18, AGJA06, ATAKS07, CLS95, CLW98, DHKP97, FCH97, FHC99, FK+21, Gai82, GBY90, HLL18b, HL94, ISO97, ISHY88, JMW+18, Kim99, LEHN02, MCC01, MKSa98, OT89]. algorithm [PCV94, PL21, Pri95, SB95, SM94, Sil92b, Ste18, WM93, War14, Wie86, YCJ12, ZJM94a, ZJM94c, ZPS93b, ACZ16, Sta94, TK99]. Algorithmen [Meh77, Meh86, Wir75, Wir83, Zel91]. Algorithms [Mat93]. Algorithms [AM94d, ACM91c, ACM97a, ACM05, ACM08a, ANS97, AHU83, AOAAK20, An05a, iA91, iA94, AT90, AT93, AT91, BS97, Bur76b, CFP19, CV86, CRR18, CT96, DG85a, DG85b, Dev86, DS97, FM96, FW09, FM85, GRBCC19, Ger86a, Ger86b, Gon84, GBY91, GI77, Gra88, Gra89, GC95, GK81, GK82, Gu76a, Gu76b, GG80, GSB94, Har88, HS78, HL91, KR81, LLLC17, LS89, Lom93,
LTS90, LH03b, Mac95, MF92, MLD94, MLxx, Mat09, MS88a, MQ02a, OG94b, OL89, PS93, Pip94, PV19, Pre97a, PB85, QG89, QG90, Reg85, Riv74b, RNR13, Sam76, SD89c, SD89a, Sed88, Sed90, Sed92, Sed93, SD76, SG88, SK98, Shm00, TR02, TY91, Vit81b, VC85, Wal88, WFHC92, Wie87b, Wir86, XCCK09, Yen91, ZG90b, AI08, BMS17, BMQ98, Cra85, DG96.

algorithms [DJRZ06, DJNR09, DC94, EVF06, FJ13, GK05, Gui76c, HK95, HKNW07, JDW19, JMH02, Kan90, Kar98, KP92, Kha95, MPL09, Mol90a, Mol90b, MMSY94, NM02b, PBGV89, QM98, Rei88, RLM87, RG89, Riv74a, SD89d, Sch91a, Sed83a, SG72, Vit82a, Vit01, SDA90, SDA91, A+90, AINOW11, CT10, DSZ07a, DSZ07b, EF12, FS09, FY92, HM08].

Algorithmus [BI87].

Alignment [BFMP11, BRM10, LPT12, EASR22].

Alignments [BDD10].

All-in-one [SV18].

All-or-Nothing [SRY99].

Alley [Boy98, Get01, Jen97, Pes96, Wil97].

Allocating [CC91, TC93].

Allocation [CC87, CLC92, Du86, MJBD11, Nak21, YCRY93, vdpT72, vdpT73, DW05, DW07, LCRY93, OOK+10, van73].

Allocation-Based [Nak21].

Allocations [ABKU99, PG95].

Allowable [Blo70].

 Almost [BKST18, BM99, CKB83b, DW03, YSEL90, CKB83a, Duc08, ILL17].

Almost-Minimum [BM99].

Almost-Universal [BKST18].

Alpha [WM19].

Alternative [EMM07, HBL+10, IH95, SD89b, LS15].

Alternatives [GD87].

American [CHK86].

Anchored [CC91, GP08, KW94].

amortize [KM07].

amortized [AN09].

Amplification [BBR88].

Amsterdam [AW89, CP87, CP88].

Analogue [CaI84, DSGK820].

Analyses [CS87].

Analysis [AP93, Ano95c, AD11, AM07, BYSP98, BRS02, BRSS10, BM89, BM90a, BF08, CF92, CL85, CC87, Cha88, CLNY06, CN08, CV83a, CV84, Che84a, Che84b, CV85, CK94, CS93b, CDW+19, DR11, FC87a, FPV98, FM09, FMM11, GRBCC19, GK12a, GL73, GYB90, GK81, GK82, GLG+02, GS76, Gui76a, Gui76b, GS78, Gui78, Gur73, HMNB07, Hac93, Has72, Kut10, Lar80a, Lar80c, Lar82b, Lar83, Lar84, Lar85c, LCK11, Lev00, Lew82, LWW0q0, LPP91, LPP92, LM93c, Lum73, MK11, MCW78, MMTM09, MY80, Men82, MP12, Mol90a, Mol90b, NM02a, NCFK11, NAK+15, Omi91, Pit87, PVM94, PV19, Prev93, PB85, RM88, Ram88b, Ram91a, Reg85, Reg88, Riv74b, SS62, Sch79b, SYW+20, SB93, SA97, Vek85, VP96, VP98, Vit80b, Vit80c, Vit83, VSb7, WB90, Yao80].

Analysis [de 69, Ati20, BGKZ12, BZZ12, CK89, DSO9a, DK12, GLC08, GM77, Gui76c, KZ19, LLA15, LM88, MJ08, MS13, MSV87, PS08, Pr09, QM98, RAD15, S90a, SLC+07, Sed83a, SGK09, WLB7, ZBB+06].

Analyti [Pro94].

Analytical [Bat81, DOP+14, WTN07].

Analytics [LMD+12, WZY+18].

advise [FJ13].

Analyzer [CRdPHF12].

Analyzing [Kue82b, PVM97].

anchor [FK1+21, SZO+20].

Anchorage [IEE01].

AnchorHash [MVB+21].

Anfänger [Sch76].

Angeles [ACM82, BD88, ICD86, ICD87, ICD88, ICD90].

Ann [ACM81, Bai81, Bor81, LIE81].

annotated [Pon87].

Announcement [DLH09, KS12, Nat92].

Announcing [SBK+17].

Annual [ACM75c, ACM75a, ACM76, ACM77b, ACM84b, ACM84a, ACM85a, ACM86b, ACM88b, ACM89c, SDA90, ACM90, ACM91c, ACM91d, SDA91, ACM91e, ACM97a, ACM01, ACM02, ACM05, ACM07, ACM08a, ACM08b, AH03, Ano93d, Aho10, BV89, BIP92, Bri92, Bri93, Cop95a, Cop95b, EF12, Fra04, Go94, IEE74, IEE76, IEE80b, IEE82, IEE88c, IEE89, CTC90, IEE91b, IEE92b, IEE99, IEE06].
IEE07, IEE10, IEE11b, IEE13, Kua89, Mat09, ACM77a, Shm00, Sho05, Sti93, Sti94c, USE00a, YR87, Yun02, ACM94d, ACM91a, ACM96, ACM98, Bel00, DT87, FS09, HM08, IEE85a, IEE92a, IEE95, IEE01, Kar98, Rie89, Wie99, anonymity [GTL21]. anonymity [RW07].

Anonymous [CZLC12a, ZJ09]. Anti-persistence [NT01]. Anti [NT01]. Antioch [ACM91b]. Anwendung [Lut88]. Any [LP15, HR07, Lev89]. Anzahl [Dos78a]. Application [BKMP09, Cer81, CK83b, Cha88, CP87, CP88, DAM90a, DAM91, Dav91, FFGOG07, GK76, HP63, He94, IRM93, Jou04, KTMo83a, KBC81, LC06, Lit77b, LLW10, Ngu06, Pip79, QV89, QV90, QG95, Rog95, Rog99, Rue93, Sas11, Sch01b, SZ93, SvEB84, WC94, Yao91, wv94, AT90, KCB83a, CO82a, De 95, GQ95, Kan90, QJ97, SRL98, Zob70a, Zob70b].

Applications [AT93, BKST18, BG07, Bur81, CZLC12a, CZLC12b, CK15, CJ19, DR06, Deh03, DK02, DK15, DadH92, DR09, Fel50, FM85, HK12b, IEE80a, IEE95, KMM06, Kna89, Lev89, LDY16, MK11, PPS21, Pon87, RP91, Rey14, RNT90, Ter87, TZ12, TS76, TS84, Val15, Van06, Wee12, WC79, WVT90, YZ00, AG10, ARA94, BZL15, BK16, DFM15, HKNW07, KKP92, KZ91, LL92, LC89, LK11, LG85, MV91a, MV89b, NY89a, NN90, NW07, PW08, PSN95, RRS07, Shi17, SS16, Sie89, ZYW00, A902]. Applied [CS93b, GNP05]. Applying [Cer87, Cer88, CHY93, CLY95, CHY97]. Approach [BH93, CCH09, CK12, DL79, DC94, JV16, LT09, LQH18, MY80, RH95, Sch79a, SR89, SK89, Tsa96, Zob93, BJ07, BCC10, DAC13, GS89, JHL15, NW07, PGV93e, PGV94, QZD18, QD02, TK99]. APPROX [DZR06, DJNR09].

Approximate [AEP18, AI06, CCH09, CLP17, DP08, DHL+94, DHL+02, Hac93, HC14, MW09, RSK17, AI08, DC94, HFZ715, LZ06, LCH+14, LWKK20, MBKS07, Rön07, SWQ+14]. Approximately [DT14, Rön07]. Approach [DZR06, AGJ06, DZR06, DJNR09]. Approximative [MYS12]. APPROX [ZO13]. April [AM75b, ACM81, ACM84b, Ano83, Ano94, CP87, CP88, Col93, Dav91, ICD91, ICD93, IEE01, Joy03, Lie81, QV89, QV90, SM12, USE90, WGM88]. Aquahash [Rog99], arbitrary [GHK+12]. Arbor [AM81, Bai81, Bor81, Lie81]. Arbres [Kar82]. Architecting [LLL+16].

Architectural [GIP17]. Architecture [BCH7, HCJC06, Hs83, Jou85, KP81, KCR11, KTMo83a, MK11, WG94, XBH06, ZHB06, ABO+17, BOY11, HLH13, LMP+08, MBK00, RG89]. Architecture-conscious [ZHB06]. Architectures [AM91c, BRW93, DR92, Kie85, LC20, MKAA17, MKASJ18, RNT90, Bis12, BMQ98, GK90, HDMC11, adHM93, LIA15, NW07, PJM88, PJB90, Rei88]. archival [QD02]. Area [DD15, ABO+17, BOY11, Lar84]. Archival-Efficient [DD15]. areas [YJ14].

ARES [IH83]. Argon2 [BDK16]. Argon2i [AB17]. Arguments [Yao83, ABM+12]. ARIES [Mh90, Moh93]. ARIES/LHS [Moh90, Moh93]. ARIRANG [HKK10]. Arising [FS82]. ARITH [IEE05, MS05].\[\text{ARTH-17}\] [IEE05, MS05]. Arithmetic [Die96, Ers58a, GSC01, HSK88, IEE05, MS05, ISO97]. Arizona [Gol92]. Arlington [AM94d]. Arrangement [Riv76, Riv78]. Arrangements [Yao85a, Yao95, Wee88]. Array [Coh94, He87, YLB90, SV15b]. Arrays [BG09e, CP91a, Gra94a, LPWW06, RS77, Ros77, CP91b, MLS18, RS75, Taylor]. Art [Knu73, Knu75, Pre97b, Ruc15, PGV93c].

ASCII [HF91]. ASI [ANO95c].
average-case [Mic02]. avoid [Pat94]. Aware
[CJKK19, HNKO20, JLL+20, MZL+19, PG17, BB07, HFZ+15, HFF+17, NDMR08]. awareness [Li10]. Awesome [Knu19]. AWOC [Rei88].


Balatonfured [Rue93]. Balloon [AB17, BCGS16]. Balls [CRSW11, CRSW13]. Bally [IEE84]. Baltimore [ACM90, FNY92, IEE02]. Band [Meh86, Sol93]. Band-Join [Sol93]. Bands [KCF84]. bandwidth [AS09]. BANG [THS97]. Banked [vdBGLGL+16]. Banska [Rov90]. Barbara [Bel00, Bri92, Bri93, CRS83a, Cop95a, Cop95b, Fra04, Sh005, St09, St09a, Wie99, Yun02]. Barcelona [DJRZ06, CTC90, LLL09]. Barreto [FT12]. barrier [MPS016]. Base
[BCH87, CRdPHF12, Chr84, EE86, FM85, Gho77, Gho80, ISK+93, McC79, YBQ17, Zam80, Mar75, Mar77, WLLG08]. Based [AK98, Abi12, Ad12, AP08, Aum09, AS16, Bal96, BG92, Ben98, BDF+12, BHH+15, BR02, BS09, BSSH10, BI12, Buc82, Bur83b, Bur83c, But17, CCF04, CFP19, CS83b, Cha84b, CS87, CW91, CD89, CdM90, CW09, CTZD11, CZLC12a, CZLC12b, CZLC14, CT12, CW+19, CadH90, DGV93, Dae95, DK09, DG85b, DL17, DF01, DR11, DB12, EK93, Fab74, FL04, FR69, FRB11, FH69, FFGOG07, GGY+19, GRBCC19, GO07, GI12, GSC01, Grr98, GK08, GH07, HNNB07, Hal12, HDMC09, HHL10, HNKO20, HW08, HWZP18, HCPLSB12, HLC10, Hul13, HRS16, HBG+17, HM19, JXY07, JT0T09, JK11, KSSS86, KM09, KV09, KL87, KKRJ07, KJC11, KMV10, KTM083b, KW12, KP96, KP97, KR79, KJ+80, KK85, Kum89a, KKT91, LM93a, LY+18, LXY+19, LW88, LMC07, LLJC07, LLZ18, LLZ10, LLL09, LHC05]. Based [LCLC17, LRY+15, LXL+19, LG78, LTS90, LCM+20, MLD94, MKF+16, MCF17, MP12, Mil85, MKAA17, NIS15, NCFK11, Nak21, NNA12, NXB13, OL89, ORS10, PFM+09, PTT16, PC97, PHG12, PRZ99, PSZ18, Pre97a, RGNMPP12, RTK12, Rey14, RWSN07, RNR13, RL74, RK91, SD85, SDRK87, Sho1b, Sch79b, Sch81, SBS16, SYW+20, SC90b, SC90c, SK98, Sho06, SKC07, SS05, SVCC01, Sun15, TWZL11, TGGF10, TZ12, TY91, TP15, TK07, US09, WWZ09, WSSS12, XH06, XHZ+19, YNW+09, YSW+11, WL12, YY07, YTJ06, YD86a, ZJ09, ZWH17, ZZM17, ZQSH12, ZLC+12, vMG12, Ad88, AY14, ASM17, ACP10, AAGG16, BSNP96b, BLC12, BLY20, BCR04, BC06, BDS09, Bur83a, Cha12, CML+13, CCHK08, CJ12, CJ15, CLW98, CJ86, DG85a, DS09a, DWH08, EASR22, GB17, GL06, GLC08, GZ09, HLL18]. Based [HLL18a, HAK+16, HCJC06, HC11, HLWM93, HMWM94, HW88, HL03, JFDF09, JL14, JBWK11, JG95, KI94, KR09a, KST99, Koor8, Kra94, KCL03, Ku04, KCC05, KSC11, KSC12, LM93b, LDM92, LWG11, LND08, LTT21, LAC18, LL15, LS+21, LMPW15, MSZ+20, MS09, Mei95, MZ08, MS13, MHT+13, Mu92, MFES04, MJ14, NADY20, NS16a, OT89, PCK95, Par18, PPB16, PL21, PW06, PBGV89, PGV91, PGV93e, PGV94, QZD+18, RP95, SPLHCB14, SN19, SV94b, SV95, SE21, SG09, SX08, SRL09, Sim98, SA17, SZO+20, TKH20, TWL+18, Tsa08,
Bonsai [DCW91]. Bookshelf [Cro98].

Boolean [AN96, ÁCZ16]. booting [LC95].

Bordeaux [AGK+10]. Boston [ACM84a].

bottleneck [MBK00]. Boulder [ACM77b].

Bound [Ari94, SG16, Sun91, Sun93, vT14].

boundaries [SS15]. Boundary [KSSS86].

Bounded [DS84a, LL86, Lom83, Lom88, MN90, GHK+12, RM88, TB91].

bounded-depth [GHK+12].

Boundedness [BG96].

Box [BRSR92, Rja12, SV94b, BZ91].

braids [LMP+08]. Branch [LB92].

Branches [DGGL16]. Branching [FS82].

breaking [DK94, MPST16]. Brent [FL73].

Bridging [ACM04]. Brief [DLH99, KS12].

Brighton [Dav91]. bringing [NMQ22].

Brisbane [DG96, MSDS90]. British [ACM88b, Oxb96]. Broad [PACT09].

Broad-Phase [PACT09]. Broadband [SM91].

Broadcast [YSW+11, GBL94, SNW06]. Broadcasting [KCF84, OCGD11]. Broken [CP91c].

Broker [TG+97]. browser [NM20].


Bucket [CS82, Dev86, Joh97, Kab87, KNT89, KO90, Lyc85, QCH+81, Rog95, Rog99, Tam81, TYZ01, Tra63, YD96b].

Bucketing [Pa92].

Buckets [Hac93, JV16, VP96, VP98, KHK12]. Buffer [LB92].

Building [AÕD19, BC06, HKL07, Mit17, PV95, RMB11, WHS+07, PV095].

Built [Win84, DTM+18]. built-in

[DTM+18]. Burden [Oak98]. burst [AZ10].

Bushy [CHY93]. Business [Bra88, Luh58].

Bystrica [Rov90]. bytestreams [SUH96].

Byzantine [HGR07].

C [Pla98, USE90, ÁCZ16, Bht95, Eung90, GBY91, Pro89, Sed90, Sed92, Sou92, Tay89].

C/C [Pla98]. CA [ACM93a, ACM89a, ACM11, DJNR99, IE93, Joy03, Cor95a].

Cache [Ask05, CGLC20, PWYZ10, PWY914, Pro18, PSS09, SBS16, SKC07, YNW+09, YT16, ZH18, AZ10, BFCJ+12, CCHK98, HSM91, KSC11, KSC12, MZK912, GM88, WLC20].


Cache-tries [Pro18]. Caches [SBS16, S200].

Caching [DB12, KM92, Rey14, WBW16, XBH06, BCR10, Cha12, HL05, KLL+97, KSB+99, Sh06, WZ12, WY00, WY02, ZO13]. CAD [K94, Bar97]. CAD-based [K94].

Cake [CHSC18]. California [ACM82, ACM86b, ACM07, Ano10, Be00, Bri92, Bri93, CRSS3a, Cop95b, Fra04, ICD86, ICD87, ICD88, ICD90, IE11b, Kar98, Shm00, Sh05, Sti93, Sti94c, Sto92, USE90, Wie99, Ym92, Col93, IEE98a, IEE96].

California/Special [ACM92].

Call [HLC10].

Cambridge [ACM93a, BV89, G096, JBJ94, K105, And94]. CAMELOT [SPB98].

Camera [BH93].

CAMSure [RSK17].

Can [CP91c, Dan93, Pa92, Sim98, Dan94, GM90, Sh91a].

Canada [ACM902, ACM88b, ACM07, Ano10, Be00, Bri92, Bri93, CRSS3a, Cop95b, Fra04, ICD86, ICD87, ICD88, ICD90, IE11b, Kar98, Shm00, Sh05, Sti93, Sti94c, Sto92, USE90, Wie99, Ym92, Col93, IEE98a, IEE96].

Canadian [CC89].

candidates [ABM+12].

Canonical [DNV81].

canonicalizing [FGFK10].

Canterbury [Oxb86].

Capabilities [RS12, Tra63]. Capability [Fab74, Wan84]. Capability-Based [Fab74].

Capacity [KK85, Tan83, HO72]. Cape [IE95, MS05].

cardinalities [GGR04].

Cardinality [BHIMM12, GL17, HM03, NTW99].

Cards [Ku14].

Carlo [BF93, Rey94].

Carolina [ACM91c].

Carry [GK08, FJ913, LK16].

Carry-Less

[500x681] [102x646] [138x646] [146x646] [194x646] [202x646] [210x646] [218x646] [226x646] [234x646] [242x646] [250x646] [258x646] [266x646] [274x646] [282x646] [290x646] [298x646] [306x646] [314x646] [322x646] [330x646] [338x646] [346x646] [354x646] [362x646] [370x646] [378x646] [386x646] [394x646] [402x646] [410x646] [418x646] [426x646] [434x646] [442x646] [450x646] [458x646] [466x646] [474x646] [482x646] [490x646] [498x646] [506x646] [514x646] [522x646] [530x646] [538x646] [546x646] [554x646] [562x646] [570x646] [578x646] [586x646] [594x646] [602x646] [610x646] [618x646] [626x646] [634x646] [642x646] [650x646] [658x646] [666x646] [674x646] [682x646] [690x646] [698x646] [706x646] [714x646] [722x646] [730x646] [738x646] [746x646] [754x646] [762x646] [770x646] [778x646] [786x646] [794x646]
Mul91, Sie04, WC79, van94, Bie95, DS09b, Sar80, Sie89]. **Classification** [GCMG15, HSPZ08, McK89a, PT11b, SY08, And93, CKKK09, IG94, LS07b, McK89b, XLZC14].

**classifications** [LZ06]. **Classifier** [GCMG15, HSPZ08, McK89a, PT11b, SY08, And93, CKKK09, IG94, LS07b, McK89b, XLZC14].

**Client** [DR92, GTL21, TC04]. **Client-Server** [DR92]. **client-side** [TC04]. **Climbing** [CL95]. **Clocked** [LN93]. **clone** [Kos14, LG13]. **closed** [SS89a, SS90a]. **Closest** [Val15, DHKP97, TYSK10].

**closest-pair** [DHKP97]. **Closing** [PNPC20]. **Closure** [CdM89, CdM90, GC90]. **cloth** [TWL+18, TWL+18]. **Cloud** [HNKO20, HWZP18, LRY+15, Mir17, Nak21, DMB19, GB17, HLL18b, SZO+20].

**cloud-RANs** [Szo+20]. **Cluster** [SKC07, KSC11, KSC12, TC04, ZHX+21]. **Clustered** [Rot89]. **Clustering** [AII89, Bel70, Bel72, Bel83, BBS90, CdM89, CdM90, Gu75, Gu78, KBG18, Mac95, MNY81, PKSB18, SPF16, AOD19, Gu76c, NH74, SX08]. **Clustering/hashing** [AII89]. **Clusters** [TY03]. **Clutter** [MBBS12]. **CLV** [CF89a]. **CM** [PW94]. **CM-5** [PW94]. **CMAC** [CG92]. **CNF** [BHIMM12]. **CNN** [SYW+20].

**Co-hashing** [ZWCL10]. **co-processing** [HLH13]. **Coalesced** [CV83b, CV84, Che84a, Che84b, CV85, CV86, Jan08, MS88b, Pa92, Pit87, Vit81a, Vit82b, Vit83, VC87, CV83a, PY88, Vit80a].

**Coalescing** [Vit80b, Vit80c, Kno84, SSU+13]. **coalescing-lowering** [SSU+13]. **Coast** [SZ93]. **COBOL** [Bra88, Zou85]. **Cod** [IEE05, MS05]. **Codasyl** [Gra86]. **Code** [BK70, Bel70, Bel72, Bel83, BMB88, CLD82, Chn90, DC81, DL80, Eck74a, FIP02a, Gon81, KKRJ07, Lam70, LBJ02, Mau83, Mit73, SV15a, Sun15, CD84a, CLS95, Cl95, Mau68, Mer72, MF82]. **Coded** [Bay73c].

coding** [Lit77a]. **Codes** [BKST18, BGS96, Bie97, CLP17, Fal85a, Har97, Irbxz, JP07, KP96, KP97, KGJO18, LQH18, SVCC01, TW07, BJKS93, BJKS94, Bok95, Fal86, Fal88, FM89, GHK+12, Gob75, IG94, Kri89, Mil98, Sti91, Sti94b, vT14, Far93, Bie95].

**codification** [FDL86]. **Coding** [Blo70, Boo77, Bur78, Bur79, CJ86, DA12, Dav73, Dos78a, FH69, Gon77, HP63, HJ75, HG77, Kam74, Lit77b, Mar64, Mar71, Pip79, SDR85, SDK97, Sta73, Web72, Boy95a, Boy95b, Bur76a, Coh94, DVS+14, Far93, LG78, Riv74a, Sab94, SDR83b, Sch79b, MKL21, Ytr06, HJ75]. **Coefficient** [KKN12]. **coherence** [FWG18]. **Coherent** [GLHL11]. **Coin** [CLP13]. **Coins** [HR04, Rost12]. **Collaboration** [JXY07]. **Collaborative** [ADOAH19, WY00]. **Collecting** [FW76, FW77]. **Collection** [AG93, LXL+19, TR02, UIY10]. **Collections** [BBBD82, BBD86, LRY78, LRY80, DTM+18, SV15b]. **College** [Já90].

collide** [GNP05]. **Collision** [Ask05, BG93, BR97, BM97, BK12, BKMP09, CHKO08, CJC+19, Dam87, HM96, HHL10, HCJC06, IK06, IT93, IH95, KKT91, MS09, MNS12, Men12, Mit12, MIO90, MOI91, MC86, NSS+06, Pey15, PACT09, PBGV98, PGV90b, PGV91, Rus92, Rus93, Rus95, Sam81, SY11, SHRD09, SHF+17, Van92, Vau93, WYY05a, WYY05d, XNS+13, YB95, ZBB+06, vW94, AYK13, BGG93, BF08, CHKO12, Con17, Gib91, ITP14, KdlT89, Men17, MT16, PGV93g, Sar11, SKP15, SBK+17, TWL+18, Van92, WS13].

**Collision-Free** [BM97, HM96, RS92, RUS93, RUS95, SHRD09, BG93, HCJC06, PBGV98, Vau92, Vau93, ZBB+06, BGG93, Van92].

**Collision-Mitigation** [SHF+17]. **Collision-Resistant** [BR97, BK12, CHKO08, IK05, CHKO12].

**Collisionful** [BPS97, Gon95, Li95, BSNP96b, BSNP96c].
Collisions [Ano95a, B187, BT94a, BT94b, CY06, DBGV93, GIS05, GL73, HR04, IP08, IP11, LCL+09, Pat95, VNP10, WFLY04, WYY05b, WYY05c, DV07, Gov95, Li95, Pat94, RVPV02, Sim98]. Colloquium [AGK+10, dBrL80, Kui92, NS82, Pat90, ADG+08, AMSM+09, ACJT07, CIM+05]. Colony [ACM83a, ACM83b]. Colorado [ACM77b, ACM85a]. Colored [Ros12]. coloring [HK83]. Columbia [ACM08b]. Colony [ACM83a, ACM83b]. Colorado [ACM77b, ACM85a]. Colored [Ros12]. coloring [HK83]. Columbia [ACM08b]. Colony [ACM83a, ACM83b]. Colorado [ACM77b, ACM85a]. Colored [Ros12]. coloring [HK83].
Chi94, DJRZ06, IEE11a, Jáj90, Jen76, Lak96, Lev95, Ng79, RK91, Tan85, ZO93, ZLC +12, vdhHvH12, Fis87, MYS12, Ano93d.

**Computational** [CCC89, Cer83, LYW+18, MNT90, Sab94, Wil00, de 69, Dam94, GvR08, IEE11b, MNT93, Sch82b].

Computations [FHL+19, GK87].

Compute [Bra84a, Bra85, Bra86, Tro92].

Computed [TT81, TT86].

Computer [IJW89, ACM91b, AFI63, AFI69, AH03, BA91, iA94, Bar83, BCH87, Bor81, DS97, Ell82, Gol94, GT63, HST8, IEE76, IEE80b, IEE80a, IEE82, IEE84, IEE85a, IEE88c, IEE88a, IEE88b, IEE89, IEE91b, IEE92b, IEE93, IEE95, IEE99, IEE05, IEE06, IEE07, IEE10, IEE11b, IEE13, Jaix92a, Jaix92b, Jaixx, Jou85, KCF84, KO90, Kna89, Knu73, Knu74, Knu75, Kon10, Leb87, LC86b, LC95, LL83, Mar75, Mar77, MS05, RRR99, RJK79, Rie89, Rov90, Ruc15, SK99, Wall88, Wil85b, Win78, ZZ83, ACM94c, Ano93c, Don91, ER86, FP89a, GKO5, GRL94, HCF95, IEE92a, IEE01, MLP07, Mo92b, OT98, RG89, TWW77, vL94, ACM94a, Ano93a, PGV93c].

Computer-Recognized [RJK79].

Computers [FHMU85, MK93, PSR90, Rad83, SB93, RFB97, Deb03].

Computing [ACM75c, ACM75a, ACM76, ACM77b, ACM84b, ACM85a, ACM86b, ACM88b, ACM89c, ACM90, ACM91e, ACM96b, ACM97b, ACM98, ACM01, ACM02, ACM03a, ACM04, ACM07, ACM08b, ACM11, ACM12, Bai81, DT87, IEE94c, KKJR07, KL92, LCK11, Ram87, Re88, Tro95, AFK90, GHK+12, GB17, GC90, LVD+11, MN99, Pri95, Bai81, GT80, Rie89, ACM77a, WGM88].

Concatenated [CD84a, DC81, HS08].

concatenation [BJKS93, BJKS94].

Concept [Kie85, Lum73, Ter87, Ano99b].

Concepts [KTMO83b, vL94].

Conceptual [FZ87].

Concise [PT12h].

Concomitant [MWC12].

Concrete [GKP89, GKP94].

Concurrency [Ell85a, Ell87, Ell88, FK89, GG74, HSM95, Kum89b, Kum89a, LSV89, Moh90, Moh93, OA89, SDK91, GT16, MTB00].

**Concurrent** [AR16, CLP13, Cha88, CHS+18, CHSC18, Ell83, HYH89, HYH93, HY86, HTY90, Kum90, MSD16, MSD19, MSSWP90, Omi88, Omi89a, PBBO12, SDW14, SG88, WCW+22, CCL91, MMCO1, MRL+19, Fro18, TMW10].

**Condensation** [CT96].

Condensers [ATS19].

Conditionally [ACP90].

**Conditions** [IKO05, IH95, Rus92, Rus93, Rus95, BDPV14].

**Conference**

[ACM81, ACM85a, ACM91b, PD19, ACM94c, ACM04, AFI69, ABB93, AFG90, VLD82, Ano89, AW89, AAC+91, AOY+99, AA86, Bai81, BD88, Bar83, BDS88, BV89, BIP92, Bel00, BJZ94, BRW93, BL88, Bor81, Boy95a, Bri92, Bri93, BJ39, CCC89, CGO86, CLM89, Cop95b, DSS84, Far93, FNY92, FMA02, Fre04, Fre90, GJ90, Gol92, GSW98, HB93, IEE80a, IEE85b, ICD86, ICD87, IEE88a, IEE88d, IEE88e, IEE88f, CTC90, ICD90, ICD91, ICD93, IEE94b, IEE95, IEE02, IEE11a, IRM93, JB94, Jou85, JY14, Joy03, Ker75, Kna89, KLT92, LC06, Las87, LCK11, Lie81, LS89, LT80, LSC91, Lom93, MK89, MSD90, Mo92b, Nav85, Oxb86, PV85, PK89, QG95, RRR99, Rie89, RK89, RNT90, Sch82a, ST83a, ST83b, SP90, Sh005, SW94b, SC77, Sti93, Sti94c, Sto92, SM08, SM12, USE91].

Conference [USE00a, USE00b, Vau06, Vid90, WPY90, JWSS91, Yan10, Yao78, Yua92, Yun02, ACM94a, ARA94, Ano83, Ano93a, Ano93c, Boy95b, CE95, Cop95a, DG96, DT87, Deb03, HF13, IEE92a, IEE94a, IEE94b, IEE01, Kii05, PSN95, SW94a, TWW77, USE90, Wie99, Nic95, ACM75c, ACM76, ACM77b, LFP82, ACM91d, AF16, YR87].

Confidence [DGD02].

Configurable [vdBGLGL+16].

configurations [CL90a].

Confinement [NS16b].

Confirmation [MOI90, MOI91].

Congress [Gil77, Ros74].

Conjecture [KPS92].

Conjunctive [Stu85].

Connected [OL89, TY91, OT89].
[QXL+20]. CPUs [KKL+09]. CR [LACJ18]. Cracking [GAS+16]. CRAY [DS97].
creating [Sag85b]. creation [FVS12]. Credential [YLSZ19]. credit [JFDF09].
credit-based [JFDF09]. Crete [ACM01]. Criss [GRZ93]. Criss-Cross [GRZ93].
Criteria [Adi88, AIJ89]. Criterion [Sun15].
critical [NM10]. Cross [CJN20, GRZ93, LWZ+18, MLHK17, WB90, ZWY21, QZD+18]. Cross-Media [LWZ+18]. Cross-Modal [MLHK17, LJN20, ZWY21]. cross-platform [QZD+18]. Cryptanalysis [Aum09, BS91a, BJ15, BHT98, BP09, DGV93, Daec95, G007, GIMS11, HPC02, JNPF14, Kmu92, LP16, LKY04, MR07, Mon19, NXB13, GLM+10, SPLHCB14, SV94b, W4g00, WSSO12, WYW14, AP11, BS91b, BS91c, BHT97, CV05, RP95, SV95]. Cryptanalytic [CJMS19]. CRYPTO [Bel00, Bra90, Bri92, Bri93, CRS83a, Cop95b, Fei91, Fra04, MV91c, Sh005, Sti93, Sti94c, W069, Yum02, H010, CP91c].
Cryptographer [Joy03]. Cryptographic [ARH+18, BDPSNG97, BCR04, BDP11, BDP97, Bur06, JCPB+12, CLG09, CPS7, CPS8, DA12, DCG89b, Dam90a, Dam91, DDF+07, Dav91, D900, D911, G007, He94d, MMKA17, PTT16, Pre93, PGV93d, Pre94b, PBD97, Pre99, Pre94c, QV89, QV90, QG95, RRS06, Rja12, RS08, Rue93, S001, Sch91b, Sch93a, S293, SYG11, S069, Sti06, TSP+11, Vau06, AY14, ABO+17, BNN+10, BD92, BOY11, CP13, De 95, ESR14, GPV08, GS94, GQ95, IN98, KR19, KTD620, Mic02, NY89b, N289, RA10, Sch93b, Sch93c, YZ16]. Cryptographically [PGV92, Aam03]. Cryptography [ANS97, ANS05, AČZ16, AG18, BD08, DK02, DJK15, IKOS08, She17, Wol93b, Ytt06, BGG94, BBD09b, Far93, GNP05, JY41, KL15, Kl005, PGV93c, Wol93a, Boy95a, Boy95b, DG96]. Cryptology [Bri92, Bi93, CRS83a, CP87, Dam90a, Dav91, Fei91, Fra04, He94d, IRM93, LC06, MV91c, QV89, R9ue3, SP90, S92, Sti93, Sti94c, Vau06, Be100, Bra90, CP88, Cop95a, Cop95b, Dam91, De 95, GQ95, Joy03, PSN95, QV90, QG95, Sho05, Wie99, Yum02]. Cryptosystem [Jun87, KKT91]. Cryptosystems [Oka88, Wee11]. CS2 [NM02b]. CT [Joy03]. CT-RSA [Joy03]. Cube [OL89, TY91, OT89].
cube-connected [OT89]. CubeHash [AD11, BP09, BKM90, KKM510]. Cuckoo [ANS09, ANS10, ADW12, ADW14]. BHKN13, BHK19, DM03, DS90c, DMR11, FPS13, FMM09, FM11, KMW08, KMW10, Kutt10, M0tt9, N9W08, PR01, PR04, Pa006, PM16, PS12, SHF+17, TK07, D900b, KM07, Kutt06, DK12]. Cumulative [LPWW06]. CUPID [KS89a]. Curve [ANS05, MSA17, OOB12, TK17]. Curves [BGH12, FT12, She17, WX01, BGR+13, BP18, CDS20, FSV9, FFS+13, Far14, GZ99, LS06]. Cyber [LSZ+11].
cyphers [Far93]. Czechoslovakia [Rov90].

D [CBA94, EAA+16, Fly92, GG92, G944, LMJC07, LVD+16, PPS21, SYW+20, WSSO12]. D-Based [WSSO12]. d’Acces [Lit77b, Kar82, Lit77a]. d’Adressage [Lit79a]. Dallas [ACM98, IEE95, USE91].
Damgård [DGV93, Pat95, CDMP05, Gib90, Mir01]. Dana [Ano10]. Darmstadt [TWW77]. Darstellung [Koe72]. Dartmouth [Ano93d]. Dash [LHLW20]. Data [ACM81, ACM82, AB93, AHU83, ABM06, ADOAH19, AHS92, VLD82, Ano85a, Ano89, AW99, AAC+01, ANT85, ADF12, BC08, BD88, BDS88, BJL16, BCI18, BJ94, BFR87, BL88, Boy98, BSM14, BJ93, CLS12,
Data/Knowledge [BCH87]. databanks [FDL86]. Database
[ACM82, ACM83a, ACM83b, ACM85b, ACM86a, ACM89b, ACM89a, AA86, Bab97, BG92, DCW91, DKO+84b, DKO+84c, DKO84a, DGG+86, DGS+90b, DGS+90a, DNV81, DT91b, GD87, GHJ+93, Van10, Han90, HCKW90, He87, Hsi83, HF13, IH83, KGJG12, Kie85, Kim80, KL87, KTMo83a, KO90, Kue84b, Kue89a, LC86a, LL08, Llo81, Ouk83, SD89b, Sch90b, SD90b, SD90a, Sha86, She91, SD91, Sto88, Tan83, Toy86, Ull82, WVT90, Wie83, Wie87a, Yam85, YNK89, ZMJ94b, AS89, AKN12, DKO+84d, EH17, EBD91, FNY92, GC90, HF91, ISH+91, JBJ94, MBK00, PS08, SSW94, SK88, SE89, SP89, TL93, Vak85, WC94, ZMJ94a, ZMJ94c, ODB89, BF89, KKP92]. Databases
[AS82, AOV+99, Bal96, Bal05, BDPSNG97, BG80, Bat81, BG82, BS94a, CICH09, Chu90, Chu91, DDF+07, DT91a, DT91b, FM91, FHCD92a, NY91, Gra92, Gra93c, GC95, GSW98, Heu87, HCY97, Kaw15, KR91, LOY00, LÖÖN01, Oxb86, RZ90, RNT90, Sch82a, SPW90, SW91, TRN86, Toy93, ZHW21, AÖD19, AP92, BW89, FHCD92b, HC07, ISO97, KR88, MSZ+20, MIGA18, SB95, SB97, SI09, ZLC+18]. Dataflow
[DF89, Ger86a, Ger86b, Gra94c]. Datalog [GST90]. Datasets

CGLC20, CJC+9, Chr84, CGO86, CLM89, DA12, DSS84, DT87, DZo7a, DZo7b, DP08, Dre17b, EJKMP80, Ekh84, Ell83, Ell85b, Ell87, FM85, Flo77, FB87, FBY92, FMA02, GMJ90, Gho77, Gho86, GCMG15, Goh92, Gon83, Gon84, GBY91, Gre21, Grol71, Har73, HJ87, HWZP18, He87, Hi78b, Hi78a, HZ86, Hi83, HS84, IEE85b, ICD87, ICD88, ICD90, ICD91, ICD93, IHS, IAV85, JL14, Ker75, K81, K82, Kru84, KHH89, LC20, Lie81, LT85, LRY78, LRY80, Lit89, Lit84, LL87, L89, L89+15, LT80, LSC91, Lom93, LG78, LMR02, MLHK17, Mar75. Data
[Mar77, McC79, MSDS90, MEK+14, Nav85, NR12, PSSC17, PRR15, PV85, PW94, RNR13, Rout91, R91, Sar10, Sch01a, SDW14, ST83a, ST83b, SW86, SW94b, Ste82, Sto92, SM08, SM12, SW87, SWTX18, TKH20, Tan83, TC93, TY88, ST83a, ST83b, SW86, SW94b, Ste82, Sto92, SM08, SM12, SW87, SWTX18, TKH20, Tan83, TC93, TY88, ST83a, ST83b, SW86, SW94b]. Data-centric
[Mar75, Mar77]. Data-driven [TKT+89]. data-independent [BCGS16].
data-intensive [Shi17]. Data-Parallel [LC20]. Data-stream [Tan83]. Data-structures [Har73].

WLLG08]. Domain [BR06, Cor00, Cor02, DOP05, KK12, KK18, LLG12, PG95, RS12, SGY11, SPSP16, ZNPM16]. Donald [Ruc15]. Donnees [Kar82, LG78]. Don't [BFCJ12, YT16, BCR10]. Dortmund [Lut88]. Double [Boo72, Bur05, CdM90, GS78, GLP98, LK94, LM93c, MB03, Men12, OOB17, Pal92, Tho13, Yao85a, KL95, LM88, LJJ15, Men17, Mol90a, Mol90b]. Double-Linked [Pal92]. Double-Stream [Li98] Draft [MCF17]. DRAM [CJKK19, KHK15, WLWZ19]. DRAMCache [PG17], drive [BC06]. Driven [Gra93b, Ven86, TKT89, ZO13]. DSS [Ano99a, Ano13]. Dual [CDW19, MNS12, Wec12, BR75, MJ08]. Dumping [Fro81]. d'une [LG78]. Duplicate [Bre91], duplication [BC08, PL21]. durch [Hil82]. DWT [THY88]. Dynamic [AL86, AHS92, BGDW95, CS91, CR89, CBA94, DGGL16, Dev93, DKM88, DadH90, DKT90, DKT91, DKM91, DKM94, ED88, FNP97, FHL91, FS82, GT93, adH90, Kaw85, Kie85, KNT98, KSS86, KSS87a, KSS87b, KSC11, KSC12, Lar78, Lar88a, Lar88b, LC88, LRY15, LHNL21, MSW19, MS12, MS02, Mul84a, Mul84b, Mul85, NKT88, OG94a, Ore83, Oto85b, Ouk83, OS89a, OS89b, PLKS07, PG95, RT89, RL82, RSGD89a, Reg81, Rob86, Ros21, Sch79b, Sch81, SSS05, TT10, Vek85, Wan14, YDS4, YLZS19, YBQZ17, YD86a, YD86b, ZRT91, ZJM94a, ZJM94b, ZJM94c, ZO93, CS93a, DTM18, DMPM06, DHW08, FR94, FF90, Fro81, HKLS12, HR93, KD92, Lev99, Lin96, Mil98, YG10, SKC07]. Dynamically [Lit78, Litxxb]. dynamische [DMPM06]. Dynamiques [Kar82]. Dynamischer [Hil82].
EUROSAM [Ng79]. Evaluating [HAKM15, MPP14, RS92]. Evaluation [Adi88, BGDW95, CRSW11, CRSW13, Chr84, Fla81, Fla83a, Gra93b, Gra93c, Gri77, HNS84, KTN92, LCLX19, LLL09, MXL+12, ML86, MLxx, MS88a, NMX19, Pag99, SD89c, SD90a, SC90a, SC90c, Stu85, TNKT92, Web72, Woo89, YNKM89, CHS+18, GDA10, HCW+21, RLM87, SD89d, TM02]. Eve [AAE+14]. Even [Bosxx, Tho00]. Event [McK89a, McK89b, ZLY+13]. Every [Kil01]. Everything [KTN92, MLD94, TNKT92]. evolution [PGV93c]. Evolutionary [DLT98]. Exact [Cor00, Ram88a, Vio05]. Examining [Wil00]. Example [FHMU85]. Exceed [Pal92]. Except [OWZ14]. Exchange [KV09, BSNP96b, GL06, LW04]. Exclusive [DLN+18]. executable [NADY20]. Execution [CLYY92, CHY93, CHY97, Cra85, GHJ+93, GM98, Hea72, HCY94, HCY97, KL87, PAKR93, S88a, W85, GMP95]. exhaustive [KJS17]. Exhibit [Gui75, Gui78, Gui76c]. existence [WC07, Woe06a]. Existing [LYD71, LY72]. Expandable [Kno79]. Expander [CLG09]. Expanders [BK07b, Tho13]. expanding [FNY92]. Expansible [CL95]. Expansion [AVZ11, Gri77, Mai92]. Expansions [Lar80b, Lar80c, Lar82b, Lar82c, Lar82d, Larxx, RSS89a]. expansive [LS96]. Expectation [GM91]. Expected [Gon81, Lar81, Lar82a]. Experimental [ANS09, HCW+21, JHL+15]. Experiments [KL06, Wil79]. expert [ARA94]. Explicit [ADW12, ADW14, Bla00, CL83, LS06, MV08, WX01, GJR79]. exploit [AZ10]. exploitation [MAK+12]. Exploiting [Bre91, CWW00, GHW07, HL12, MSS96, MV08, NMQ22, HAK+16]. Exploration [CH94, PSSC17]. Explore [SP21]. Exploring [LVD+11]. Exponent [Ano95a]. Exponential [DS84a, HJ96, Lom83, LTT21, LH04, SHA97]. Exponentiation [Kak83]. Exposure [CTZD11]. Expression [BBP88, CKW09, Gri77, GGR04]. Expressions [Hol87, Mar71]. Extendable [NIS15]. Extendable-Output [NIS15]. Extended [DP08, HBG+17, Tcr87, YNKM89, YDS4, YTHC97]. extendible [BK84, Bg01, Chu91, Chu92, DT91a, DT91b, Eli83, Eli88, FNP879, Fla81, Flsa3a, Hac93, HSM95, HYH89, HY86, KR86b, KR86a, Kum89a, LÖON01, Men82, MH00, Oto84, Oto86, Oto88a, RLH91, RS77, Tam81, Tam82, Yao80, Hua85, Kum89b, MKSIA98, RLH90, RS75, Wee88]. extending [CMP07, JBJ94, SS01, WKBA07]. extendible [BG92, Gra94c, Hel89, Kum90, Ré92, KR88, SS06, BP94]. Extension [BR06, CDW+19, Lit77a, LLG12, PSZ18, SGY11, WH83, Bak09, SFA+19]. Extensions [CSSP15, Heu87]. External [AS89, AGMT11, GL82, GL88, Gra94a, GT63, JP08, LR85, LRY78, LRY80, Vit01, Woe06b, RT89, RB91]. External-Memory [AGMT11]. Extract [ACP09, CZLC12b, CZLC14, Wee11]. Extracting [HZ86]. Extraction [FC87b, KKN12, LLDZ18, LDY+16, ZLY+12]. Extremely [Sie04].
BvT13, BJKS93, BJKS94, CRS83b, CL09a, CL09b, CLS18, CDH19, FH15, GW94, LS06, LC13, MtT08, WC07, Woe06a, vT14.

**Family** [BDM+12, BKST18, FLS+10, GK08, Ind01, IT93, MWCH92, MWHC96, SK05, ACP10, AMP12, BDPV12, FPS17, KRT07, Sar13, SRLR98].

**Fast** [AKS78, AP92, AB12, BH91, BRM+09, BS97, BS94b, BS94a, BGV96, BT12b, CH12, CS85a, CCW+17, CWC10, CD84b, CRR18, CS82, CKN18, DC90a, Dit91, EFMRK+20, EPR99, FNPS79, FFGL09, FKI+21, GM91, GM94, GM98, GC95, GK94, GK95, GO15, Gui89, HK95, HKLS12, HW08, HXLX13, KG95, Kel96, KP97, KLP98, KR79, KR01, KRM09, LQZH14, LM95, LA14, LR99, L060, Lit91, LS87, LCL+20, Mad80, MSD19, NR12, Nyb96, OS14, PPS21, Pea90, Pea91, PQ98, PQ99, PKS18, PV95, Rey14, Rog99, Rog19a, Rog19b, SG76a, Sav90, Sav91, SMZ18, ST86, She78, SY08, Sho96, Tho13, Tho17, Ven84, WH83, Yan05, YBQZ17, YBQZ18, YKHL10, AB96, BS94c, CXLK19, CCA+12, DC94, FFGL10, HF91, KKL*99, KHI189, MSD16, MPL09, Mer90a, MZ98, MPST16, PV095, Sag85b, SP12].

**Fast** [Sie89, SV15b, TKH20, WWG+18, YTHC97, YZ16, ZO13, ZHC+13, And94, Bir07, Gol96].

**Faster** [ASM17, CRSW11, CRSW13, FCH92, LK16, McC79, Bosxx, HKL04, LS15, Sna87].

**Fault** [AA99, DSSW90a, DSSW90b, MKAA17, HGR07].

**Fault-tolerant** [DSSW90b, HGR07].

**Faulty** [JCK+18].

**FCD** [ISO97].

**FCSRs** [BDM+12].

**Fe** [Go94].

**Feasibility** [CJM14].

**Feature** [LMM07, NS16a, Som99, TWZW11, Fly92, MHT+13].

**Feature-Based** [TWZW11].

**Filing** [FC87a, DH84].

**Filter** [CC00, Kay15, MK11, LZ06, RKK14, RK15].

**Filtered** [Ahn93].

**Filtering** [KRML09, MK12, RCF11, YG10].

**Filters** [CHY93, CHY97, Kie85, LYW+18, Ram89b].
Freestart [SKP15]. French [Coh94]. French-Israeli [Coh94]. Frequency [Lyo78a, TS85, CJP12, CJP15]. Frequent [OTKH11, CH09, BMLLC+19]. Frequently [She78]. fridge [WLC20]. Friendly [ZH18, BP18]. Frontends [Sag85b]. Frontiers [Jaj90, Fis87]. FSE [Bir07]. FSpH [ZWT+14]. Fugue [AP11]. Fujiyoshida [IRM93]. Full [AC74, Bur75a, CMP07, Cor00, Day70, DOP05, KK12, LP16, LT12, LLL+16, MZD+18, Mue04, GLM+10, San76, WYY05b, WYY05c, YSW+11, ZKR08, NH74, RCF11, SKP15, QXL+20]. Full-Stack [LLL+16]. Full-Text [YSW+11, RCF11]. Function [Abil2, AVZ11, Aum09, AMPH14, BPSN96, BES83, BDM+82, BS94b, BS94a, BKST18, BRS02, Bla95, BKL+11, BDP97, CP91c, Cer81, CK83b, CN08, Cob94, CBA94, CMP07, CO82b, CDP05, DBGV93, DGV93, Dae95, DC98b, DL78, Dat88, DL80, FLS+10, GIS05, Gei95, Gei96, GSC01, GIMS11, HPC02, Har97, Hol13, HLC10, JP07, Kal01, KAS+22, KRJ09b, KCBS1, Kra82, Kus84, KKT19, LWQW08, LP15, Lis07, Li80, LG78, MR07, MRST10, MNS12, MIO89, NS16a, Oto84, PV92, PPS21, PHL01, PHG12, PBD97, GLM+10, RB01, Sch11, Sch90a, Sch91b, SYG11, Sta06a, TC93, TTY93, WW09, WSSO12, Win83, Win84, Wol84, WFW+12, YD84, Yau65, WL12, ZW+12, AKY13, ACP10, AB96, AMP15, ABO+17, API1, BGK12, BNN+10, BDPV06, BDPV12, BOY11, BS94c, BW98, CK83b, CK89, Con17]. function [DK94, DF89, DMB19, FP82, GT21, GM18, Gih91, HR07, Han17, HLO3, ITP14, KTD20, LW04, Lia95, LWG11, MJ08, Mer90a, MZ98, Mit17, Mon19, NSW09, Pat94, Pat95, PL21, PVCQ08, QJ97, RS14, SB14, SS92, Sch82b, SRR198, SHA97, SXL16, Tsa08, VNP10, VFN91, WS13, WYW14, YL97, YZ16, ZHX+21]. function-based [PL21]. Functional [LFP82, GMP95, SV18, ZKR08, Jou85]. Functions [AHV98, AFK83, AFK84, AN96, ASWD18, ÁCZ16, AA79b, AA79a, And91, ABD+16, Ano95a, AEMR09, AR17, AM07, AP08, BSN96a, BDPS97G, BCK96a, BCK96b, BR14, BBD+82, BBD+86, BG96a, BG96b, BS09, BRSS10, CFW09, BK12, Bol79, BPZ07, BHT98, BH86, Bur78, BMD91, Can97, CW77a, CW77b, CW79, CMW83, CBK83, Cer85, CBK85, CBK85, Cer87, Cer88, CS83a, CS83b, CS85c, CS85b, CS85a, CS86, Chao6b, CS87, CLNY06, CLG09, CK15, Chi91, Chi94, Cie80a, Cie80b, CE70, Coh97, CH94, HM92a, HM92b, CM93, DGV93, Dam97, Dam98, DDF+07, DK07, DY90, DY91, DTS75, Dad90, DGMP92, Die97, DGK12, EK93, EPR99, Fil02, FL08, FLP08, FL14, FGL09, FCHD88, FCHD89, FCDH90, FCDH91, FCH92, FHCD92a, FK84, G007, Get01, Gir87, GKH91a]. Functions [AHV98, GLG+2, G008, HHR+10, Hal12, HM12, HH96, HKY12, HS08, HK12b, HR04, Ind01, IT93, JO80, Jae81, Jen97, Jou04, JD12, KH84, KL06, Kn05, KP96, KLP98, KV12, LM93a, LK94, LT09, LM95, Lis07, LH03a, LLG12, Ma92, McWH92, MCW78, Mar64, Meh82, MP12, Mer90b, Mir01, MRW89, Mis02, MO10, MO11, Moh11, Mul91, NZ815, NM02a, NCFK11, NP99, NR12, NAK+15, OO12, Okt91, Pag99, PWY+13, PB80, PQ98, PQ99, PW93, PGV90a, PGV90b, PGV92, Pre93, PGV93d, PGV93f, Pre94a, PV85, Pre97a, Pre97b, Pre99, PQ89, QC89, RP91, RR08, RWSN07, Rja12, Roe94, RS08, Rui93, SP91, Sag84, Sag85a, SDMS12, SDMS15, San76, SS01, SS88a, Sch91a, SY99, Sho00a, Sho00b, Sep04, SVEB84, SD75]. Functions [Spr77, Sti06, TNS20, Tv83, Tro92, Troy95, Ull70, Ull72, WFLY04, W090, WC79, WC81, WKO78, YD85, Zem91, Zha07, Zhe90,
functions [NY89a, OS14, OS10, PW08, PW06, Pob86, PGV93a, PGV91, PGV93b, PGV93e, Pre94b, PGV94, PvO95, RB91, RFB97, RZ97, RP95, Roe95, Sar80, SS90b, ST85, SH92, SH94, SL88, SS16, Sie89, Sim98, SV06, TZ94a, Tsu92a, Tsu92b, VD05, XCCK09, YL04, YR05, Z´em94, ZW05, ZBB+06, ZDI+15, RRS06].

functions-based [HC11]. Fundamental [LYD71, LY72]. Fundamentals [HS78, HS84]. Further [Lit85, Sar15, Ano09b, DM03]. Fusion [Wil00]. Future [SP21]. Fuzzy [HWZP18, LMC07, LMJC07, LI92, HC14].

G2 [BP18]. Gallery [BFR87]. Galois [HJ96]. game [Zob70a, Zob70b]. Gamma [DGS+90b, DGS+90a, GD87, DGG+86].


Gen2 [LYDA19]. Gene [TGGF10].

General [Chl91, Chl94, DR06, ISO97, LW88, LQH18, LHC05, Lum73, MSD19, MSD16, Sch91a, Sim98]. general-purpose [Sch91a]. Generalised [CC87, KKW99, LPWW06]. Generalized [HB94, KVK12, LI80, SK88, Sev74, KHK10].

generalizing [AMP12]. Generate [HSR+01]. Generated [LMC07].

Generating [Bla95, CT96, CHM92a, CHM92b, Get10, Jae81, Sag84, Con17, FP82, GRF11, MFK+06].

Generation [GRZ93, LL92, MS12, She91, SSS05, Wan14, BK07a, BDK16, BK88, CCA+12, CT10, KKP92, Mo92b]. Generator [Ano86, BK12, Cai84, Gui89, Sag85a, Sch90a, ZF06, Aam03, CLS95, HC11, SS92, TS98, VZ12].

Generators [MWCH92, NAK+15, SP91, BK07a, CP13].

Generic [BDG+20, DL17, DOP05, MP12, Sar10].

Genetic [FFFG07, HSIR02, CV05]. Genomic [CCH09]. genus [CD80].


Geo-Tagged [ZWH17]. Geographic [RRS12]. geohash [MKL21, BSH12].

Geometric [Bar97, BG92, Bie97, BM90b, CO82a, GPA97, HB89c, HB94, KHK12, LW88, LMC07, LMJC07, LI92, MV02, PW94, RH92, RH95, RW97, SA97, Tsa94, Tsa96, WPKK94, War86, WR97, BJKS93, BJKS94, GG92, JWK11, LG96, MN99, MMG10, WC94].

geometries [FH15]. Geometry [CC89, MPP14, Wil00].

Germany [AH03, BRW93, HM08, adHMR93, Yao78, CE95].

Gestion [Lit77b].


Gigabytes [WMB94, WMB99].

Girths [Zem91]. Give [AT93, AT90].

Global [CLP13, CLI95, DL79, LPSW03, MD97].

Globally [HSW88].

GNU [Wil14]. Go
Goddard [Fis87]. Goes [Cip93].

Gold [SZ93]. Gone [Nic17]. Gong [BPSN97]. Good [Bur92, Hol13, JP07, Lom88, Mit02, ADM+97, Kou93].

Goodyear [Fis87]. GORDION [EE86]. gossiping [GHW07]. GOST [LJF19, WYW14]. GPERF [Sch90a, SS92].

GPU [ASA+09, FRB11, HLH13, LC20, LLA15, MZD+18, TWL+18]. GPU-based [TWL+18]. GPUs [CZL12, vdBGLGL+16].

GRAB [Les88]. GRACE [KTMO83b, KTMo83c, KNT89, KTN92]. Graduate [Ano93d]. Grained [PAKR93, KLSV12].

Gram [Ven86, Coh98]. Grams [BRM+09, Coh97]. granular [CLS12].

Graph [Ari94, BMQ98, EFMRK+20, Gre21, Hal12, HM93, JBWK11, KM88b, MD97, MBBS12, NRW90, TI12, YkYW83, YkWY83].

Graph-Based [Hal12, JBWK11]. Graph-Entropy [Ari94]. graph-structured [BPT10, WLLG08].


Graphischen [Lut88]. Graphs [CLG09, HMWC94, KPS92, Knu98, Zem91, AD08, AAB+92, AS07, DW03, FGFK10, HK83, Kut06, LL13, SN19, Z´em94].

Gray [CLD82, Fal85a, DL80, Fal86, Fal88].

Greek [ACM01, AMSM+09, Rei88].

Greedy [WTZ+13, AGJA06]. Greenbelt [Fis87]. Grenoble [vdHvH12]. GREYC [AGBR19]. GREYC-Hashing [AGBR19].

Grid [Gri98, KS88b, KS88c, Leb87, NHS84, Reg85].

Grindahl [KRT07, Pey15]. grosser [Dos78a].

Groestl [ABO+17, ITP14, MRST10, WFW+12].

Groestl-0 [ITP14]. Group [ACM82, Alb21, DTS7, DD11, KKW99, LND08, Mue04, TZ94a, YLZ20, SE21, YLC+09].


Groups [HM12, LL10, PWy+13, Reg82, CFYT94]. growing [KW94, MSZ+20]. Growth [Oto88a, Rey14]. Guangdong [IEE11a].

guaranteed [RT89]. Guaranteeing [LK84]. Guarantees [HC13]. Guess [ZF06].

Guess-and-Determine [ZF06]. guest [DLM07, Fox91, RW97].

Guide [AS82, SD76, She17]. guided [SSU+13].


HAIFA [DL17]. Halifax [DSZ07a, DSZ07b].

Hamiltonicity [CKN18]. Hamming [Bal96, Bal05].

HANA [SFA+19].

Handbook [Gon84, GBY91]. handle [Eug90]. Handling [BI87, DNSS92, Lar85b, QCH+81, Sam81, Sch79a, Wil59, WB03, ZO93, TWL+18].

Handwriting [MS12].

Hans [Sta18]. Haphazard [CS87].

happened [Her07]. Hard [Hol13, Kil01, BDK16, BCGS16, GPV08, LSZ+21, Nae95].

Hardness [BHKN13, BHKN19].

Hardness-Preserving [BHKN19].

Hardware [ABM06, ARH+18, Bab79, BPBBL12, Bur81, Bur84, CHSC18, DW83a, FAFK21, FW09, GD87, GLG+02, HDMC09, IG77, MVL+12, RP01, TK85, dW83b, ABO+17, BOY11, Bis12, Bur82, CE95, DSO9a, FNP09, ISH+91, JMH02, KM07, KM10, MZ19, RFB97, RAL07].

Hardware-Based [HDMC09].

hardware-constrained [RAL07]. harmonious [HK83]. HarPF [PT11b].

Harrison [Boo73]. Harvesting [AS16].

HAS-V [PRL01].

Hash [ANS07, Abi12, Ack74, Adi88, AHV98, AFK83, AFK84, APV07, AOAAK20, AN96, AVZ11, AK74, ABD+16, Ano93b, Ano95a, Ano95b, Ano95d, Ano02, Ano08, Ano12, AG93, AM16, Ari68, Ask05, AEM09, AR17, AM07, AP08.
NY85, NAK+15, OL91, Omi88, OL89, Omi91, OL92, Ore83, Oto86, Pag99, Pag85, Papv08, Pwy+13, Pcl93a, PV92, Pps21, PfM+19, Ptt16, Pcy95, Phil01, Plks07, PV07, Phg12. **Hash**

[Pbbd95, Pg95, Prk89, Prz99, PW93, Pip94, Pla98, PgV90a, PgV90b, PgV92, Pre93, PgV93d, PgV93e, PgV93f, Pre94a, PgV94, PV95, Pbbd97, Pre97a, Pre97b, Pre99, Pre94c, Pro89, Qg89, Qc90, Ram88a, Rrs06, Rro8, Glm+10, Rrs12, Rjk79, Rey14, Rwsn07, Rs12, Rgs9, Rbo1, Rhm09, Riv76, Riv78, Rja12, Rnr13, Roe94, Rs08, Rmb11, Ros06, Ros70, Ros21, Rot98, Rk91, Rul93, Sp91, Sag85a, Sdms12, Sdms15, Sd78, Sam81, Sso1, Sch11, Sss80, Sss88a, Sch90a, Sch91a, Sch91b, Sch93a, Sv94b, Sch79b, Sbs16, Sg16, Sgy11, Sw91, Sx80, Sry99, Sc98, Sho0a, Sho0b, Sie04, Sm02, Sk05, Sweb94, Sol93, Som99, Spsp16, Spe92, Sta94, Sta06a, Sti06, Skm01, Sz82, Szy85, Tt10, Tr02, Ty91, Tns20, Top92, Tp95, Toy93, Tso15. **Hash**

[Tntk92, Tsuz29a, TsP+11, Van92, Vd21, Vafu92, Vau93, Vb00, Wx01, Wfl94, Wllg08, Ww09, Wjz510, Wss012, Wbwv16, Web72, Wei88, Wc79, Wc81, Wkb07, Win83, Win84, Wkg08, Woe06b, Wdy91, Wy93, Wlo84, Wu05, Wfw+12, Xn+15, Xbh06, Yunw90, Yun85, Yds09, Ydr5, Yan05, Ysw+11, Yt16, Yao05, Ysl05, Wl12, Ylb90, Yen91, Yz00, Ycr93, Yy07, Yy01, Ylzz20, Ysle09, Ykhl10, Gzh0a, Gzh0b, Ze91, Zem91, Zem94, Zha07, Zly+12, Zzm17, Zjm94a, Zjm94b, Zjm94c, Zqsh12, Ze90, Zfm91, Zo93, Zlc+12, Zw+2w, Zuk21, Zhz+19, v4W9, van94, vdbglgl+16, vdvl12, Ay14, Aab+12, Ataks07, Aky13, Acp10, Adm+99, Ag10, And93, Ab96, Amp12, Amp15, Aagg16, An20, Ar12, Az10, Ab0+17, Ati20, Ap11, Bgkz12, Bsn96b, Bsn96c, Bak09, Batx13, Bcl12, Blp+14, Bnn+10, Bj07, Bdx92, Bvt13, Bcr04].

**Hash** [Bfcj+12, Bdpv06, Boy11, Bjk93, Bjk94, Ble95, Bs94c, BsU12, Bcg16, Bra09, Bht97, Bm01, BgG12, Bur76a, Cmr98, Cvr14, Cfn18, Ckb81, Ckb83a, Ckb9, Cd84a, Cagm07, Chs+18, Cchh08, Cj15, Cm01, Clw98, Cl09a, Cl09b, Cls18, Cdh19, Con17, Dk94, Df89, Ds09a, Ds03, Ds09b, Easr22, Esri14, Fxw+17, Fps17, Fji13, Ffgl10, Fps+05, Hc89, Hcld92b, Fro81, Fh15, Gt21, Gbt7, Gkkt10, Gm18, Gb91, Gs94, Gob75, Gpg016, Gon95, Glc08, Gm79, Gk12b, Hks6, Han17, Hll18b, Hll18a, Hak+16, Hll13, Hcl14, Hlmw93, Hxmw94, Hkk13, Hsk88, Hkw05, Hylt99, Hl12, Hlo3, Hcw+21, Hxl13,Iso97, Itp14, Jfd09, Jh15, Jcco00, Jg95, Kkp+17, Kha95, Kst99, Kjl95, Krt07, Ktd20, Ktk10, Kra95, Kri89, Kcl03, Ku04, Kcc05, Ls07a, Llh02, Lky04, Lw04, Ll11. **Hash** [Lm12, Lpsw03, L95, Lvd+11, Lwg11, Ls06, Lcl13, Lcry93, Lg78, Lhnh02, Llj15, Msz+20, Mad80, Mtbo0, Mmc01, Msd16, Mv91, Ms90, Mj98, Man98, McK99b, Mr+19, Mer90a, Mzk12, Mic02, Mz98, Mv08, Migt17, Mon19, Ma15, Mpst16, Ms82, Ms13,Msp12, Mm synerg, Mt16, Mfes04, Nae95, Nady90, Ny89b, Ny89a, Nk16, Ntw09, Orx90, Os14, Omi89a, Ot89, Os10, Pcl93b, Pck95, Par18, Pat94, Pat95, Pcv94, Pp16, Pl21, Pvcq08, Pw06, Pg93a, Pg91, Pg93b, Pg93g, Pr94b, Pvo95, Pro18, Pss09, Qp16, Qj97, Ram87, Rp95, Riv74a, Rs14, Roe95, Ron07, Sb95, Sb97, Splhcb14, Sb14, Sar13, Sn19, Sar80, Ssc90, Ssc92, Sv95, St85, Sh94, Se21, Ssc06, Sr08, Shr09, Sio98, Sha97, Sp98, Sv15a, Sv15b, Sv18, Sd95, Sx16]. **Hash**

[sv06, tkh20, Tco4, Tz94a, Tmw10, Tsa08, Tsuz29b, Tm02, Uht95, V05, Vnp10, Vfn91, Wg00, Wm93, Ws13, Wyy14, We66, Wl03, Wl14, Woe06a, Wog9, Wv02, Wtn07, Wtn09, Xcck09, Xcck09,

HAShCache [PG17]. Hashcash [Bac02].

Hashcodingverfahren [Sta73]. Hashed [GJR79, GG74, HYKS08, KS12, LI80, MF92, Mul72, SVC01, VL87, VL97, WS93, WM19, And88, GMW90, HSM91, Ken73, War14].

Hashedcubes [PSSC17]. Hashes [BC08, Saa12, Sch01b, Sch01a, Wan14, GvR08, GP08, GPNP05]. hashfunctions [PBGV89]. HashGraph [Gre21].

Hashiguchi [LP04]. Hashimoto [SSa01].

Hashing [ACP09, Ahn86, Ahn87, Ahn93, AKS78, AAE+14, Alb21, Ald87, Ald88, GMW90, HSMB91, Ken73, War14].

Hashiguchi [LP04]. Hashimoto [SSa01].

Hashing [ACP09, Ahn86, Ahn87, Ahn93, AKS78, AAE+14, Alb21, Ald87, Ald88, GMW90, HSMB91, Ken73, War14].
DMV04, DJSN09, DadH90, DadH92, DDKM+94, Die96, DH01, DS09c, DMR11, DLY08, Dit91, Dod82, DHL+94, DHL+02, DMLH09, DSSW90a, DR11, Dre17b, Dre17c, DL80, DTM99, DT91b, DT75, Dum99a, Dum99b, EFMRK+20, Ell83, Ell85a, Ell87, Ell88, ED88, FNS97, Fal85a, FM96, Far14, Fel87, FNS992, FGK10, Fla81, FS82, Fla83a, FPV98, Flo87, FPS13, FT12, FFGO07, FMM09, FMM11, Für88, GSS01, GL73].

Hashing

[GM91, GM94, GadHW96, GM98, GIM99, Gon80, GL82, GL88, GRZ93, Gon80, GL82, GL88, GRZ93, GK76, GI77, GT80, Gra86, GPY94b, Gre95, Grie77, Grie79, GT93, GPA97, Gui75, GS76, Gui76a, Gui76b, GS78, Gui78, GS80, GH07, GZX14, Gur73, HB89a, HB92, Hac93, HSPZ08, HT01, HR14, HM96, HK12a, Ham02, Har71a, HCF95, Hea82, Hea72, HB89c, HB94, adH90, adH93, Hel89, HST08, HNS84, HSM95, HK02, HY89, HYH03, Hol87, HC87, HT88, HY86, HTY90, HSW88, IK05, HH95, Jae92, Jae81, Jag91, Jai89, Jai92a, Jai92b, Jaixx, Jan08, JV16, JP08, JYHT09, Jol97, JCK+18, Kab87, KGB18, KU88, KK11, KV99, KGJG12, Kaw85, Kaw15, Ke93, KR86b, KR86a, KV91, KMW08, KMW10, KZ84, Kno75, KP97, Ku819, KM86, Kon10, KM88a, KP94, Kri84, KSS86, KSS87a, KSS87b, KSS88b].

Hashing

[KS89b, KR01, Kum89a, Kum90, Kut10, LW88, Lar78, Lar80a, Lar80b, Lar80c, Lar82b, Lar82c, Lar82d, Lar83, LR85, LR85b, Lar85c, Lar85b, Larxx, Leb87, LMC07, LLK14, Lep98, LC20, LC88, cLmL07, Li15, LCLX19, LCM94, Lia95, LLZ10, LLL11, LLL17, LRY18, LRY80, LNM3, Lit91, L180, Lit78, Lit79b, Lit80, Lit81, Lit85, LSL88, LSV89, LRLW89, LRLH91, Litxxa, Litxxb, LC12, LZ16, LWZ+18, LH02, Lom83, LPP91, LPP92, LM93c, LH03b, LSZ+21, Lyo78a, Lyo83, MLHK17, Mac95, MD97, MSW19, MWHC96, Man12, MK11, MNT90, MB03, MBBS12, MV88, MV90, MV91b, MW09, MHB90, MSSWP90, Men82, Men12, Mey93, MV01, MV02, Mit73, Mit90, MH00, Moh90, Moh93, MN98, MWC12, Muls84a, Muls84b, Muls85, MS88b, Nak21, NSW08, NRW90, NI83, Nyb96, OWW14, OTKH11].

Hashing

[OG94a, OG94b, OOB12, OOB17, OVY94b, Otk91, Oto84, Oto85a, Oto88b, Oto88a, OTO91, OSR10, Ouk83, OS83a, OA89, OS83b, PR01, Pag96, PP08, PWY14, Pag18, Pal92, Pan05, PB80, Pap94, PV07, PT12a, PH73, Pea90, Pea91, Per73, Pes96, Pet13, PNPC20, PS93, PQ98, PQ99, PKW09, Pip79, Pit87, PM89, PVM94, PVM97, PV19, PT11b, PRM16, PKSB18, PS12, PACT09, PF85, PADDY93, PW94, Qui83, RT87a, Ram88b, RL89, RP91, RR92, Ram92, RL82, RLT83, RSD84, RSD85, RSS89a, RSS89b, RSD90, RSD92, Ram97, RGNMMP12, RLL91, Reg81, Reg82, Reg88, RRS12, RH92, RH95, RW97, Rob6b, Rog95, Rog99, Rog19a, Rog19b, RS75, RST7, Ros77, Rou9, RT87b, Russ2, Rus93, Russ95, SDR83a, SNBC98, SN05].

Hashing

[Sag84, SY11, Sas11, SG76a, Sav90, Sav91, Sch79a, SD90b, SD90a, Sch91b, Sch93a, Sch81, SM18, SY91, SR98, SPW90, SY+20, SB93, SSL8+20, SHZ8+20, SY08, Sho96, SR01, SSS5, SD75, Spr77, SHRD09, SGGB00, St194a, Stud5, Sun15, SHF+17, SA97, Tam81, Tam82, TK88, TC93, TL95, TWZ811, TYZ015, THY+18, TCY+20, TI12, TW07, TK85, TQZ12, TTY93, TQZ4b, Tv83, Tor84, TK07, Tro92, Tro95, Ts96, US09, Ull10, Ull2, VV84, VV86, Vek85, VP96, VP98, Vit80b, Vit80c, Vit81b, Vit81a, Vit82b, Vit83, VC87, WG00, WP9K94, War86, WFHC92, Wee07, Wee12, WPS+12, WSZ+16, WFT12, WP0, WPD+12, WS03, Wil96, Wil00, Wil79, Wil71, Win90b, Win90a, Woe01, WR97, WZ93, Wu84, YDT83, YWH09, Yao80, Yao85a, Yao85b, Yao91, Yas07, YB95, YTJ06, YBQZ18, YGC+12].

Hashing

[YD86a, ZYW21, ZZZ21, ZPS90, ZPS93a, ZWH21, ZLC+20, ZH18, ZH19, dW83b, vD6d4, vMG12, AT18, ASI17]
ASA+09, ADM+97, AI08, AI89, AT90, BG93, BL89, BGH+13, BBPV11, BD82, BG94, BDPV14, BDK6, BMQ98, BCGS16, Boo72, Bosxx, BT89, BCC10, Bur05, Bur82, BMLLC+19, CP91b, CP95a, CHK 12, CS93a, CW93, CJS93, CP95b, CV83a, CCL91, CHL07, CLL+14, CWCL10, CKK09, CZL12, CR89, CP13, CO82a, CHM97, Cze98, Dam94, DM03, DOP+14, DKM+88, DVM+91, DHW08, DS99b, D+92, DLH13, DSW90b, DK12, DLN+18, Duc08, DM11, EH17, EBD91, Fal86, FWG18, FSV09, FFS+13, FNS88, FKI+21, GLHL11, GG92, GDGK20, Gib90, GW94, GM77, GLJ11, GS89, GRF11, GPY94a, GZ99, Gui76c, Gup89, HB89b, HDCM11, HKL07, HR93, HM93, HMWC94, HL05, HC02].
High-bandwidth [AS09].
High-Dimensional [AEP18, TYSK10].
High-error [Rön07]. High-Performance [DS97, Flo87, IEE94c, She91, MKL21, ZHW19, Shi17]. High-Speed [KMM+06, KMY10, McK89a, YNKM89, McK89b, RV07, EVF06, SLC+07, SXLL08, TLLL07, XMLC11]. High-Throughput [LPT12, XLZC14, MAK+12]. HighEnd [LVD+11]. Higher [HKKK13, DH84]. Higher-order [DH84]. Highly [BCS09, KHW91a, Mat93, PAKR93, KHW91b, ZLL+07]. Highly-Associative [KHW91a, KHW91b]. Highly-Efficient [BCS09]. Hill [IEE88a]. Hilton [ACM91c, PDI91, ICD88, ICD90, IEE90, IEE01]. Histogram [Gra93b, MNY81, PCK95, UHT95]. Histogram-Driven [Gra93b]. History [BG07, MNS07, NSF08, Reg82, NT01]. History-Independent [BG07, MNS07, NSF08]. Hitter [TP15]. hitters [Ind13]. HMAC [FIP02a, BCK96b, CY06, DRS12, MAK+12, RR08, Sta99]. Hmap [YTHC97]. Hoc [DPH08, JHL08, Cha12]. Hole [JHL08]. Holistic [LCM+20]. Holographic [BGF88]. Homepage [GCMG15]. Homomorphic [CFN18, KKN12, CZLC12, MT16]. Honolulu [De03]. Hood [CLM85, Cls86, CLM86, DMV04, PV19]. Hop [RHM09, MA15]. Hopscotch [HST08]. hostile [LC95]. hot [KLL+97]. Hotel [ACM75b, ACM82, ACM83a, ACM83b, ACM85a, ACM87, ICD86, ICD87, IEE88a, IEE88d, IEE01, Kna89, Nav85]. Hotspot [JLL+20]. Hotspot-Aware [JLL+20]. Hough [HB89c, HB94]. House [IEE80a]. Houston [IEE76, IEE94a]. Houthalen [QV89, QV90]. Hover [EH12]. HTM [CCW+17]. HTML [UCFL08]. HTTP [DB12]. Human [Bor81, TCW+13]. humanities [Bai81]. Hungary [Rue93]. Hwang [KCL03]. Hyatt [Kna89]. Hybrid [BM89, BM90a, CBB05, Gra93a, Gra93b, Gra94a, JLL+20, KNT89, GHG+12, LLL11, Sch79a, TYZO15, PCV94, TST81]. Hybrid-Hash [BM89, BM90a]. Hypercube [OL91, OL92]. hyperelliptic [FFS+13]. hypergraph [KKP+17]. Hypergraphs [FP10, HMWC94, Rad92]. hyperspace [DOP+14]. hypersphere [LWWK20]. I-cloth [TWL+18]. I/O [MMC01, Vit85]. IB [CZLC12a]. IBE [Zha07]. IBM [Dit76, Dit76, MS02]. IBM/360 [Dit76, Dit76]. ICALP [AGK+10, ADG+08, AMSM+09, ACJT07, CIM+05]. ICCI [AKF90, KLT92]. ICDT [AA86]. Iceland [ADG+08]. ICICTA [IEE11a]. Icon [GG86b, GT93]. ID [ZJ09]. ID-Based [ZJ09]. Idea [Gra94b, HL03, WPS+12]. Ideal [Lis07]. identical [Lia95]. Identification [MV01, ST86, CJ12, CJP15, GS94, IG94, LW11, WWG+18]. Identifier [BHS12, Sev74]. Identifiers [DB12, Wil59]. Identifying [ASWD18]. Identity [CZLC12a, CZLC12b, CZLC14, KM92, LXY+19, Cho21, ZYYW20]. Identity-Based [CZLC12a, CZLC12b, CZLC14, LXY+19, ZYYW20]. IEEE [ACM04, Col93, IEE80a, IEE88a, IEE92a, IEE01, IEE05, IEE06, IEE07, IEE10, IEE11b, IEE13, MS05, Yan10, IEE84]. IEEE/ACM [ACM04]. IFIP [Gil77, Ros74]. Igniting [ACM03b]. II [BS91c, Sch93a, Sch93b, Sch93c, Van92, Vau92, Vau93]. III [Nol82b, OK80, Sed83a]. Illinois [ACM88b, ABM06, BL88, Lom93]. im [DS84a, Wal74]. IMA [Boy95b]. Image [Alb21, Ano95c, BFMP11, BS94a, BI12, DCM18, DHT+19, DR11, GPA97, GH07, HW08, LKI10, LQZH14, Li15, LÓN01, LC12, LKY+13, LH20, MV02, OSR10, RGNMPM12, SB97, TWZW11, THY+18, US09, WP10, WDP+12, ZWH17, ZYWM20, HC11, LMLC14, Mt12, SB95, TCW+13].
TLZL16, XZPG21. image-keyword [LMLC14]. Images [FLF11, MNY81, PKW09, RT81, SSaS01, WMB94, WMB99, GG92, LMLC14].

Imaging [FHMU85]. Imai [PGV93a, PGV90a, PGV93b]. imbalance [WZ12]. immutable [SV15b].

Impact [GD87]. imperative [NMS+08]. Imperfect [Ven84]. Implement [CL83].

Implementation [BCS89, BS94b, BGDW95, Dat88, DF89, DKO++84b, DKO++84c, DKO++84d, Dee82, Dev93, Dit76, DT75, EE86, EjKMP80, FW09, GG86b, GT93, Gro86, Har71a, Hek89, ISK++93, JD12, Kahl92, KMM++06, KU88, KM92, KR86b, KR86a, KKRJO7, KRJO9b, KTN92, LK84, Lit79b, LPP92, NM02a, PRM16, SDR83a, She91, SK05, Sto82, TGL++97, TNKT92, VL87, BDP++12, BS94c, BW92, DS09a, DHWO8, DM11, EBD91, GN80, GJM02, Inc81, IIL17, KU86, KKL++09, McD77, MZI98, MFES04, Tai79, MKL21, Dit76]. Implementations [GLG++02, Vit82b, WPKK94, WZJS10, DMP09, RAL07]. Implemented [CMW83, MRL++19].

Implementierungstechniken [Nee79]. Implementing [Bab79, Bh95, BJM14, GHJ++03, Gra86, Jun87, KHR91a, KHW91b, Lin96, Llo81, LB07, VL97]. Implications [Chr84, CHS++18, RAD15]. Implicit [OS88, Kor08]. Impossibility [BCS09, HM12]. Improve [LB3J02, BM01]. Improved [Art94, BVT13, MB08, Bli08, Bre91, CN08, DDS14, DL17, FB87, HSM95, HW88, JNP14, KM86, Kut10, LW04, LJF19, KKM10, LH04, Mau83, Mic02, Mul72, NSS++06, Nak21, PS12, Rad92, RP95, SS80, SD95, TK17, UIY10, WM91, GM77, Mau68, War14, ZW05]. Improvement [CH94, Fel87, LCM++20, RGNMMP12]. Improvements [CTZD11, Lev00, Nam86]. Improving [ATAKS07, AVZ11, BDS88, CHY93, CHY97, CAGM07, Cla77, DB12, GCMG15, JHL++15, KZH19, MS12, RT87b, Sch82a, TCP++17, YWH09, ZGG05]. Impure [Dee82]. In-Bucket [TYZO15].

In-Memory [CCW++17, JLL++20, MZL++19, QXL++20, ZHW01, WLC20]. In-Network [WBWV16]. Inaccessible [HHR++10].

Inadequacy [GY91]. Includes [FW76, FW77]. Including [DGV93, KL95].

Incoming [LK07]. Incompatibilities [KCF84]. Incorporating [CBA94].

Increased [PRM16, MSP12]. Increment [Ban77, Lue72, RKK14]. Incremental [BGG94, CT12, FRB11, GSC01, ISHY88, PW06, TWL++18, UIY10]. Incrementality [BM97]. incrementalization [SB07].

Indeed [Yas07]. Indenitify [KCF84]. Independence [KW12, PPR09, PT16, Tho13, DT14, PPR07, PT10a].

Independent [BG07, CCGJ91, DGD02, DTS75, Die96, Ind01, MNS07, NSW08, TZ12, BCGS16, FPS17, Han17, NT01]. Independently [AU79]. Index [BM89, BM90a, Buc82, Bur83b, Bur83c, DS84a, GPy94b, LC86a, Lom83, MZL++19, OL89, Oto85b, Qu83, TY91, Wil79, ZHW19, Bur83a, Fro81, GPy94a, HM03, KZ19, LCH++14, McD77, SWQ++14]. Index-Based [OL89, TY91]. indexable [RRS07].

Indexed [Chu91, Chu92, KHT89, Mul72, GB17, SN19, Tay89, WM93, TK199].

indexed-hash [WM93]. Indexed-Sequential [Mul72]. Indexes [Les88, Omi89b, Pip94, WC++22, FVS12, HCW++21].

Indexing [CJ86, Dum56, KGJG12, Li15, Llo81, Per73, SE89, Tor84, WJ09, WMB94, WMB99, YWH09, CXLK19, CW010, Fb92, LG96, MSZ++20, MIGA18, MMG10]. India [RRR99]. Indiana [Van10]. Indianapolis [Van10]. Indicator [YD84]. indicators [Er86]. Indices [LR99, Val87].

Indifferentiability [CN08, LLG12, MPST16, BGKZ12, BDPV08, GLC08]. Indifferentiable.
BGH12, CLNY06, FFS+13, FT12, BGH+13.

Indirect [Bal96, DGGL16, Joh61].

Indirectly [Ols69]. Individual [Jan05, Jan08, Vio05]. Induced [de 69].

industrial [PGV93c, ARA94]. Industry [ANS05]. Infeasibility [FS08]. inference [NMQ22].

Infinite [GHK91a, GHK91b, LII92, Bra09]. infinity [Hil05]. inflate [NMQ22].

Influence [RTK12]. INFOCOM [IEE01, IEE92a]. Inform [Pro94]. informal [CK89].

Informatics [CHK06]. Information [PDI91, BV89, BIP92, Can97, Cha84a, Dan13, DSSW90a, ELL82, FC87b, FH69, FCDH90, FCDH91, GPY94b, ISO97, ISO04, KLT92, KM86, KM88a, LC06, LXL+19, MV01, MNS07, PGV93f, SKC07, SPSP16, SC77, Sta06b, Sun15, Vid90, WBWV16, XHZ+19, Yan10, YRB7, YBQZ17, AFK90, DSSW90b, GPY94a, KSC11, KSC12, SG72, SXLL08, FNY92, FBY92, Gil77, Ros74].

Information-Based [SKC07, KSC11, KSC12].

Information-Centric [SPSP16, WBWV16]. Information-Theoretic [Sun15, SXLL08].

Informix [Ger95]. Infrastructure [MJ14, Nak21]. Infrastructure-free [MJ14].

ingestion [CXLK19]. Ingres [Sne92]. inheritance [DM09]. Inhibiting [GAS+16].

Initial [vDP72]. Initiative [MO92a]. Injection [CFK11]. Inner [PWY+13].

Innesbrook [IEE88b]. Innovation [ACM03b]. Innovative [OG94b].

Input [AB12, Sab94]. Insecurity [DOP05]. insensitive [CyWM91]. inserting [Gup89].

Insertion [FPS13, PS12, CV83a, Jan05, Kon93, PY88].

inside-out [AP11]. Insight [CQW08, IEE02]. Installation [LAKW07].

instance [FS08]. instantaneously [DV07].

Instantiated [RR08]. Institute [Ano93d].

Instruction [B ¨OS11, SS83].

instrumentation [Ano86]. Integer [Ano86, Die96, MV90, MV91b, Woe01, Woe05].

integers [BCS89, Han17]. Integral [LJF19, Rog19b]. Integrated

[DGKK12, PG17, NM02b]. integrating [ATAKS07].

Integrative [LLDZ18]. Integrity [CLS12, Scho11b, Scho1a, Wil96].

Intel [JHL+15]. Intellectual

[DGKK12, IEE88a]. Intelligence [Kak93, Luh58, ARA94, LLC89].

Intelligent [IEE11a, LJW+17]. intensify [HL12].

intensive [Shi17]. inter [Kos14].

inter-system [Kos14]. Interacting [LLW10]. Interaction [ZLY+12, Bor81].

Interactive

[CBK83, Cer85, CBK85, Dam93, Dam94, Dos78b, GK94, GK95, HR14, KG95, MS09, OVY94a, OVY94b, Rads3, Wee07, RWSN07, RW73, TCW+13, TWL+18, MS09].

Interconnection [Fah87]. Interest [ACM82, DT87, OSR10]. interesting [VNC07]. Interface [Vit85, WGM88, Bor81].

Interfaces [DCW91]. interleaved [RH90].

Internal [GL82, GL88, ITP14, LC88, Wil59].

International

[ACM81, IJW89, PDI91, ACM94b, ACM11, ACM12, AGK+10, ABB93, ABM06, AFK90, ARA94, VLD82, Ano89, Ano93c, AV89, AAC+01, A+90, AIOW11, AOV+99, AA86, Bai81, BD88, BDS88, BV90, BIP92, Be00, BBD09b, BJ94, BRW93, BL88, BF89, Bri92, Br93, BW92, BD08, BJ93, CG80, CLM89, Cop95b, DG69, DSS84, DSZ07a, DSZ07b, DJRZ06, DJNR09, FNY92, FMA02, Fra04, Fre90, GMJ90, Gol92, GSW98, HB93, HL91, IEE80a, IEE84, IEE85b, ICD87, IEE88a, IEE88d, ICD88, IEE88b, ICD90, IC91, ICD93, IEE94a, IEE95, IRM93, JBJ94, JY14, Ker75, Kna89, KLT92, Kui92, LC06, Lak96, Las87, LCC11, Le95, Lie81, LS89, LT80, LSC91, Lon93, MK89, MSDS90, Mo92b, Nav85, Ng79, Pat90, PSS95, PV85, PK98, QG95, RK89, RNT90, ST83a, ST83b, SP90, Sho05, SW94b].

International [SW94a, SC77, Sti93, Sti94c,
July [IJW89, ACM91c, ACM94b, ACM01, AGK+10, ADG+08, AMSM+09, Ano95c, ACJT07, dBvL80, CIM+05, Coh94, DQG96, CTC90, Kui92, Lak96, Lev95, NS82, Oxb86, Pat90, Rei88, vdHvH12]. June [ACM84a, ACM03a, ACM07, ACM11, ABM06, BDS88, BV89, BIF92, BRW93, BL88, BF89, FMA02, Fre90, Van10, HF13, IEE05, LL08, LS89, MS05, Ng79, Rei88, Sch82a, St92, Vau06, vL94].

June

Just [Yas07].

JVM [SV15b].

k-ary [Gui76c]. Karlsruhe [HM08]. Karp [GBY90]. Karp-Rabin [GBY90].

Katapayadi [Ram97]. Katholieke [BBD09b]. KD [KHT89]. KD-Tree

KDL [PSR90]. KEL [PSR90]. Keccak [BDPV09, BDPV12, DDS14, LL14].

KEM [KHT89]. KD-Tree [KHT89]. KDL-RAM [PSR90].

Keccak [BDPV09, BDPV12, DDS14, LL14].

KEM [KHT89]. KD-Tree [KHT89]. KDL-RAM [PSR90].

Keccak [BDPV09, BDPV12, DDS14, LL14].

KEM [KHT89]. KD-Tree [KHT89]. KDL-RAM [PSR90].

Keccak [BDPV09, BDPV12, DDS14, LL14].

KEM [KHT89]. KD-Tree [KHT89]. KDL-RAM [PSR90].

Keccak [BDPV09, BDPV12, DDS14, LL14].

KEM [KHT89]. KD-Tree [KHT89]. KDL-RAM [PSR90].

Keccak [BDPV09, BDPV12, DDS14, LL14].

KEM [KHT89]. KD-Tree [KHT89]. KDL-RAM [PSR90].

Keccak [BDPV09, BDPV12, DDS14, LL14].

KEM [KHT89]. KD-Tree [KHT89]. KDL-RAM [PSR90].

Keccak [BDPV09, BDPV12, DDS14, LL14].

KEM [KHT89]. KD-Tree [KHT89]. KDL-RAM [PSR90].

Keccak [BDPV09, BDPV12, DDS14, LL14].
Large-Grained [PAKR93]. Large-Scale [GGY +19, GLLL17, Li15, MEK +14, SHF +17, GLLL21, CML +13, Kos14, SXLL08, FES09, FHCD92b, GC95, LY72, MSK96, Shi17, TBC +15, Yao78, YMI89, ZZLZ21, CML +13, Kos14, SXLL08, FES09, Shi17, TBC +15, Yao78, YMI89, Zha19a].

Last [PM89, KR19]. Last-Come-First-Served [PM89].

Latency [QXL +20, Sam81, SL16, WY00, KLSV12, LDK12, ZGG05]. Latency-sensitive [WY00]. later [Roe95].

Latin [CHK06, DMPP06, CHK06]. Lattices [KV09, LYY +18, LYX +19, GPV08]. lava [McN03]. laws [AK09]. Layer [YSEL09]. Layered [Man12, ZC12]. Layers [SDMS12, SDMS15]. Lazy [AHS92, BJMM94b, BJMM94a, CF92, Hug85, KV91, MV86, MSV87].

LCCR [Cer85]. LCFS [PV97]. Leakage [NTY12, ZM17]. Leakage-Resilience [NTY12, ZM17]. Leakage-Resilient [ZM17].

lean [SV15b]. Learn [McC79]. Learned [CW92]. Learning [CK94, GK95, KGC9, KKC12, KRJ +80, LQH18, LLZ10, Val15, Wan84, BC06, SZO +20]. Least [OG94b].

Lecture [Dev86]. LEDA [MN99]. Lee [KCL03]. Leftover [DSGKS20].

Leistungsanalyse [Kue82a, Kue82b]. Leitmotiv [Kah92]. Lemma [DSGKS20].

Lemmas [KMG]. Lemmatized [DS84].

Length [Dit91, Gou81, KLP98, HK94, Lit91, MF92, Men12, Mit73, PHL01, Pea90, Pea91, Sav90, Sav91, ZPS90, ZPS93a, GS94, KL95, LLJ15, Men17, ZPS93b]. Lengths [Bra84a, Bra85, Bra86].

Less [DH01, GKH98, HK912, LK16]. Lett [Pro94].

Letter [BB34, CS85c, CS85b, Cha85, CL86, Cha86a, CW91, CO82b, JCC85a, TL95, Tr95, Wan05]. Letter-Oriented [CS85c, Cha86a, JCC95a, TL95, CL86, CW91, Wan05].

Leven [BB90b, BW92, PV93]. Level [CJC +09, ZWH19, BGG12, DAC +13, HL94].

level-set [BG12]. Levelled [LR +15].

leverage [IEE88a]. leverage/COMPCON [IEE88a]. Lexical [CRdPHF12, ISHY88]. lexically [FF90]. lexicographic [BMCC9 +19].


light [AR +98]. Lightweight [AHMP12, AHMP13, BDM +12, BKL +11, HKY12, Cho21, GTL21]. like [JNPP14, RS14].

Limited [GL82, GL88, SS90a, Wen92]. limitedness [LP04]. Limits [KST99, MMSY94, BVF12].


Linear [Ald88, ADM +99, ATT98, Ano95a, AD11, BPS98, Ban77, BK70, BGS96, BW98, CFP19, Cle84, CL09a, CM93, Dae95, Ell85a, Ell87, FPV98, HB89a, HB92, HH85, HYH93, HTH90, HSW88, Jak85, JV16, Kno88, Knu19, Knu98, Kor98, KDL92, Lar80b, Lar80eb, Lar82b, Lar82b, Lar82d, Lar85b, Lar85c, Lar88b, Larxx, KKMS10, Lit79b, Lit80, Litxxa, Luc72, Lyna7, MSSWP90, MY80, Moh90, Moh93, Mul81, Omi88, OGAB14, OT91, OS83b, OA89, OS83b, PPR07, PPR09, PT16, Pet13, PK87, PVM97, RSD84, RSD85, RSSD89a,
RS92, RLH91, Reg82, Rob86, RT87b, SDR83a, SPW90, TW91, TZ12, Toy93, VP96, VP98, WVT90, YD86a, Ald87, ADM+97, BJ07, Bou95, HB89b, HCF95, Jan05, LNS93, MTB00, MMC01, ML94, Omi89a, OP03, OS88, PT10a, RLH90, Sar13, SS16]. \textbf{linear} [TMBO2, Vi05, ZL12]. \textbf{Linear-density} [KD92]. \textbf{Linear-Time} [WVT90, Kor08]. \textbf{Linearizability} [SDW14]. \textbf{Linearization} [BKMP09]. \textbf{Linearizing} [Oto88a]. \textbf{Lingo} [McC79]. \textbf{Linguistics} [Cer83]. \textbf{link} [BR75]. \textbf{Linked} [Fel87, Pal92, ZLLD18, ZKR08]. \textbf{Linking} [Bob75]. \textbf{Linkless} [CJC+09]. \textbf{links} [EVF06]. \textbf{Linux} [USE00a, Lev00, LACJ18]. \textbf{Lisbon} [CIM+05]. \textbf{Lisp} [LFP82, Hek89, Nam86, FH96, GSI+82]. \textbf{Lisp-Based} [FH96]. \textbf{List} [McI82, Ter87]. \textbf{Lists} [BH86, HK87, LLC89, Lyo79, MY79, Kno84, ST85, SS06]. \textbf{literate} [Sab94]. \textbf{little} [DMPP06, PES+12]. \textbf{Live} [MZD+18]. \textbf{Ljubljana} [EF12]. \textbf{LLE} [TLZL16]. \textbf{Load} [HC13, IK92, KJC11, LRLW9, LRLH91, Omi91, RRS12, RK91, Top92, TP95, WL07, KL08, SX08, TLL18, WZ12, WTN09, XCCK09]. \textbf{load-balanced} [TLL18]. \textbf{Load-balancing} [WL07, XCCK09]. \textbf{Loading} [vdP72]. \textbf{Local} [MD97, MNY81, MJT+02, PKW09, RT81, SY08, BG12, EASR22]. \textbf{Locality} [BT12b, CSSP15, CKPT19, Chi91, Chi93, Chi94, EFMRK+20, HNKO20, IMRV97, KBG18, Kau15, MZL+19, MNP08, OWZ14, OTK11, Pag18, ZHW21, AT18, GDGK20, HAK+16, HF+15, HFF+17, LNS11, LWXS18, LJW+17, QZD+18, SP12, STS+13, ZHX+21, SA17]. \textbf{Locality-Aware} [HNKO20, MZL+19]. \textbf{Locality-Preserving} [Chi91, Chi93, Chi94, IMRV97]. \textbf{Locality-Sensitive} [BT12b, OWZ14, Pag18, ZHW21, EFMRK+20, HF+15, HFF+17, QZD+18, STS+13, ZHX+21, SA17]. \textbf{Localizing} [DD11, DJSN09]. \textbf{Locally} [KS88a, Oto88b]. \textbf{Locating} [WL12]. \textbf{Location} [CCFO4, TY03, ZWH17]. \textbf{Location-Based} [ZWH17]. \textbf{Lock} [AR16, NM10, ZLSD18, AR21, NK16, Pro18, ZL12, SS06]. \textbf{Lock-Free} [AR16, ZLSD18, AR21, NK16, Pro18, ZL12, SS06]. \textbf{locks} [ALS10]. \textbf{Loftus} [He94]. \textbf{log} [FHC89]. \textbf{logarithm} [Gib91]. \textbf{Logarithms} [vW94]. \textbf{Logging} [Moi90, Moi93]. \textbf{Logic} [AR16, BM87, BAN89, Cra85, IEE84, Las87, dKc94, BW92, DLM07, YIAS89]. \textbf{Logical} [CPP08]. \textbf{Logs} [SK99]. \textbf{LOKI} [BS91c, Knu92]. \textbf{London} [Ano93a]. \textbf{Long} [Mit12]. \textbf{Longest} [DKT06, Gao81, PT12b]. \textbf{Look} [CP91b, Sn87, AY14, CP91a]. \textbf{look-up} [AY14]. \textbf{Lookup} [CN07, HDM09, Jai89, Jai92a, Jai92b, Jaixx, Tri71, She78, SWTX18, Tro06, YBQZ18, BLC12, HXL13, Mad80, MSK06, MLP07, MPL09, MA15, PT12b, WTZ+13, WTN07, ZGG05]. \textbf{Lookups} [Pan05, BM01, IGA05]. \textbf{Loss} [ATS19, FC87b]. \textbf{Lossy} [PW08, Wec12]. \textbf{Louisiana} [ACM91e, ACM97a]. \textbf{Louisville} [Rie89]. \textbf{Low} [GI12, HMBN07, HGR07, Les88, LYW+18, PSSC17, QXL+20, TBC+05, ABO+17, BOY11, CZ14, HM03, MA15]. \textbf{low-area} [ABO+17, BOY11]. \textbf{Low-Cost} [GI12, HMBN07]. \textbf{Low-overhead} [HGR07]. \textbf{Lower} [DKM+94, GadHW96, Gon77, MNP08, OWZ14, Yao83, DKM+88, DKB+91, Sun91, Sun93]. \textbf{lowering} [SSU+13]. \textbf{LR} [HC87]. \textbf{LSH} [AT18, AOD19, CKM14, CK15, LCH+14, LJW+17, ZPM16]. \textbf{LSH-Preserving} [CK15]. \textbf{Lucifer} [BS91c]. \textbf{Luhn} [Ste18]. \textbf{Luxembourg} [Bir07]. \textbf{LXCloud} [LACJ18]. \textbf{LXCloud-PR} [LACJ18]. \textbf{Lymphocytic} [SSS01]. \textbf{Lyra2} [ASBdS16]. \textbf{M} [Sar80]. \textbf{MA} [ACM84a, Ker75, Kil05, CP91b, ACM86a, CP91a]. \textbf{MAC} [HLL18a, PV05, PV05, Pre97a, SRRL98, SY99, Ew90]. \textbf{Machine} [And88, CCJR1, DGS+86, DGS+90b, DGS+90a, GD87, GSH+82, Hsi83, KLAD93,}
KLM96, KTMo83a, KTMO83b, KTMO83c, Tan83, EBD91, Vak85, BM90b, KK96, RH92.

Machine-Independent [CCJ91].

Machinery [DT87]. Machines [BF89, adH93, Mey93, SD89b, SD90b, SD90a, TR02, CHS+18]. MACs [DL17, GO07, PV95, PvO95, Pre97b, Saa12].

Machine-Independent [CCJ91].

Machinery [DT87]. Machines [BF89, adH93, Mey93, SD89b, SD90b, SD90a, TR02, CHS+18]. MACs [DL17, GO07, PV95, PvO95, Pre97b, Saa12].

Main-Memory [KR91, BAT¨O13].

Maintaining [Woe06b]. Maintenance [Buc82, Bur83b, Bur83c, Oto85b, Bur83a].

Making [BR97, Cob94, Hel91, LT09, CCA+12].

Malicious [AAE+14]. malleable [BCFW09]. Malo [GQ95, QG95]. Malware [ASWD18, LLDZ18, NADY20].

Management [ACM75b, ACM81, ACM82, ABM06, BL88, B93, BC90, CGLC20, CLM89, DT87, EE86, Flo77, FMA02, GGY+19, GMJ90, Gho77, Gho86, ISK+93, JLL+20, KM90, LC86a, Lie81, McC79, MFK+16, Nav85, SW94b, SC77, Sto92, ZZ83, QZSH12, DAC+13, FNY92, FRS94, FHL+13, SW94a, WM93].


Many [BGF88, CZL12, JWM+18, Lia95, SV18]. many-body [JWM+18, Lia95]. many-core [CZL12]. Map [GRZ93, LF17, PPS21, Som99, AR21].

Map [PVM97]. mapped [SV15b]. mapper [YTHC97]. Mapping [Oto84, WH83, YD85]. Mappings [OS83a, OS83b]. MapReduce [LMD+12].


Mass [Col93]. Massachusetts [BV89, IEE05, MS05]. Massive [SMZ18, HAKM15, LRU14, Vit01, XCCK09].

Massively [AKN12, J´aj90, MK93, RH92, YLB90, Yen91, CZL12, Fis87]. Massively-Parallel [MK93]. Master [LYX+19]. Match [AU79, Bur75b, Bur76b, Bur76c, Bur78, Bur79, CLD82, Chn90, Jag91, Mor83a, RLT83, RSD85, RSS90, RSS92, YD86a, AT18, CC88a, Fal88, Ha85, RSSD99, RSSD89b, Riv74a, SDR83b, YD86b].

Matches [Dav73, PRK98]. Matching [AI94, BH95, CFP19, CCH09, CG79, Gri79, Han90, HCKW90, HW08, KSS86, KR81, KPS92, LLCL17, RH92, RH95, TK07, ASM17, CLS95, CW10, DKT06, DC94, GBY90, HC14, HW88, IY95, KP92, KS98, Kim99, MHT+13, PT12b, Sch91a, TKT+09, TLL10, TLLL09, XML11].

Matchings [CKN18]. Materialized [BM89, BM90a]. materials [SE89]. math [McN03]. Mathematica [Jac92].

Mathematical [BC39, LG78, LI92, NAK+15, Sed83a, Hil05, GT80, RV09, Win78]. Mathematics [FH96, GKP89, GKP94, GKS81, GKS82, Knu74]. math´ematique [LG78]. Matrices [ASW07]. Matrix [AN96, Atk75, BH90, vdSDW74b, ZWY21, vdSdW74a, BT90, CFY94, JCC00]. Matsumoto [PGV93a, PGV90a, PGV93b]. Max-Poly [DSS17]. maxima [MI84].
Maximizing [KHK15]. Maximum [AHS92, GB10, KV91, MV88, Pet13, CKKK09].

Maxims [MNY81]. maxmin [AII89].

May [ACM75c, ACM75a, ACM76, ACM77b, ACM81, ACM84b, ACM86b, ACM88b, ACM89c, ACM90, ACM91e, ACM94c, ACM96, ACM97b, ACM98, ACM02, ACM08b, ACM12, AFK90, ARA94, Bai81, Bor81, BJR93, Dam90a, Dam91, DT87, De 95, FIP93, GMJ90, GQ95, Hel94, IEE85b, IEE94b, IEE94c, KLT92, Lie81, LT85, Nav85, PGV93c, QG95, Rue93, SW94b, SW94a, Van06]. McGill [CCC89]. MD [Fis87, IEE02, PV95]. MD-x [PV95]. MD4 [Ano95a, WFLY04]. MD5 [Ano09b, For09, WFLY04, WZJS10]. MD6 [BKMP09]. MDC [LS15]. MDC-2 [LS15]. MDS [TW07]. MDx [PV95, SRRL98]. MDx-family [SRRL98]. MDx-MAC [PV95]. Mean [Bra84a, Bra85, Bra86]. Means [Bab79].

measure [Bac02]. Measurement [NS16b, SL16, YGS+19, LMP+08, RW07, ACM94c].

measurements [KLSV12]. Measures [MY79]. Mechanism [DGD02, Kuma89]. Cha12, HKL04, JFD09, SF88].

Mechanisms [DF01, Sev74]. Media [LWZ+18, CBB05, ZO13].

media-streaming [CBB05]. Median [HSP08, She78]. Medical [FHMU85, GPA97]. Meet [Sas11].


Mehrfachattribut [Stu82]. Mehrfachattribut-zugriffsverfahren [Stu82]. Mehrschlusselzugriff [Fri86].

Membership [BM99, DP08, HJKL12, Pag01].

MemGuard [CZ14]. memo [Hug85]. memo-functions [Hug85]. Mémoires [Lit77b, Lit79a]. Memories [DD15, KHW91a, MNS07, Sha86, vdBGL1+16, CCHK08, CCA+12, Hui90, KHW91b, Koh80, Lin63, RH90]. Memory [AP93, ASBdS16, AGMT11, BLP+14, BC90, CRdPHF12, CCW+17, CadHS00, DG93, DG94, DKO+84b, DKO+84c, DKO84a, DKK+15, DadH92, Dum56, EK93, adH93, HNS84, JP08, JLL+20, JCK+18, KHK15, KU88, KLaH93, KLM96, KR91, KL87, KK85, Kuma89, LC86a, LTS90, LHWL21, LSZ+21, MZL+19, Mlxx, Mey93, Omi91, PSSC17, Pan05, PG95, PS12, PG90b, QXL+20, RSK17, Ros21, RL74, SPW90, SS88b, TR02, TP95, Vit81a, W171, Woe06b, Wri83, YBQZ18, ZHI8, ZHZ+19, AS09, AKN12, AP92, BAT013, BDK16, Bor84, CJMS19, CZ14, DKO+84d, Don91, GLJ11, HDCM11, HKL04, HCW+21, JHL+15, KU86, KFG15, LHWL20, MSZ+20, MBK00, MSH96, PGV93g, Pro94, Shi17, SG72, SV15a, TKT+89, Vit01, WLC20, XLZC14, YIAS89, ZHW01]. Memory-Contention [DG93, DG94]. Memory-Efficient [YBQZ18, BLP+14, Shi17, XLZC14].


Metabase [KP81]. Metadata [GGY+19, SWTX18, DAC+13]. MetaFlow [SWTX18]. Metagenomic [PKSB18, KZ19]. Method [AA79b, AA79a, Ari68, Bat75, Bel70, Bel72, Bel83, CS91, CC87, CMC92, CPP08, CLS12, CMC80a, Dos78a, DT75, FNPS79, HD72, JOS0, Jae81, Joh61, KR86b, KR86a, KNT89, KOF90, KR79, KR7+80, Lam70, LK84, LPT12, LL86, LL87, Mal77, MNY81, Mcl63,
Moh90, Moh93, Mul72, NKT88, NI83, PG95, Per73, Ram92, RJK79, RT87b, SD85, Sag84, Sg76a, SS62, SR63, SSS05, Spr77, SHRD09, Ven84, WKBA07, Wu85, Ven90b, Woe06a, Zob70a, Zob70b.

Methode [Kar82]. Méthodes [Lit77b]. Methodologie [Lit77a]. methodologies [CE95]. Methodology [Hea82, GJM02]. Methods [AS16, Bay74, Bla00, Bra84b, CSSP15, CF89a, Eck74b, Fal85b, FC87a, Gri98, HB89a, HB92, Kab87, Lit84, Lum73, MWHC96, ML75, MV02, Pip94, QCH+81, SDKR87, SM87, TK88, CE95, CLS18, GRF11, HB89b, Lev89, Mul92, RAD15].


[HPC02, KGJG12, Kaw85, KJS17]. **Modula**
[Fel88, SW86, SW87, BH86, ST86, Sed93]. **Modula-2**
[Fel88, SW86, SW87, BH86, ST86]. **Modula-3** [Sed93]. **Modular**
[GSC01, LT09, ISO97, Mei95, Mon19]. **Module** [KRJ09b]. **Modulo**
[CC87, CLC92, Gir87, Kak83]. **Modulo-**[Gir87]. **Modulus** [PV92]. **molecular** [IG94]. **Moment** [TZ12].
**Monitoring** [SS83, SLC07]. **monotone** [BBPV11]. **Monte** [BF83, Rey14]. **Monterey** [Col93]. **Montgomery** [WS03].
**Montreal** [ACM02, CCC89, JY14, Lev95]. **Morphological**
[CRdPHF12]. **Moscow** [Ers58b]. **Most** [AT93, AT90, ESR14]. **Motion**
[CB94, Cil95]. **Motivating** [She06]. **move** [KM10]. **Moving**
[Lep98, SR01]. **MEPG4** [KM09]. **MPHF** [Zou85]. **MR** [Pro94, Sar80]. **MRD**
[SNBC98, SnC05]. **MS** [JC88b]. **MS-DOS** [JCS88b]. **MTAC** [GT80]. **Muenster**
[Dit76]. **Multi** [AP93, BATÖ13, BSH12, BR06, CS83b, CC87, CS87, Cha88, CHY97, CLS12, CJC*09, Coh84, FL08, FLP08, FLP14, GPY94a, GPY94b, HYH89, HYH93, HRS16, KR86b, KR86a, KL87, LÖON01, LRY*15, LCM*20, MTB00, MNY81, NGU06, PADHY93, RSSD90, SD85, SMZ18, VB00, WSN*16, YNW*09, YLB90, ZJ09, ZHW21, ZLC*20, AKN12, Ano83, CLL*14, HR93, HL94, KKL*09, LJJ*15, Pro94, Sar13, SV18, TL93, Tsa08, XZPG21, XMLC11]. **Multi-Agent**
[BSH12]. **Multi-Attribute**
[CS83b, CC87, HYH93, RSSD90, HR93]. **Multi-core** [BATÖ13, AKN12, KKL*09].
**Multi-Dimensional**
[HYH89, MNY81, NGU06, XMLC11]. **Multi-Directory**
[PADHY93, AP93, Pro94]. **Multi-Disc** [CC87]. **Multi-Disk** [Cha88].
**Multi-Entry** [YLB90]. **Multi-granular**
[CLS12]. **multi-graph** [CLL*14]. **Multi-Index** [GPY94b, GPY94a].
**Multi-Join** [CHY97, TL93]. **Multi-Key**
Multiple-Attribute [GK95, KG95].
Multiple-Collision [HHL10].
Multiple-Key [Bol79, RSSD89b, RSSD92].
multiple-set [HKLS12]. multiple-valued [DH84].
multiplication [AN96, GK08, Woe01, Bis12, Woe05].
multiplications [LK16].
multiprocessor [DG85a, DG85b, Ger86a, Ger86b, KTN92, MLxx, Omi91, RS92, SD89b, SD89c, SD89a, Sch90b, SD90b, SD90a, TNKT92, ZJM94b, SD94d, ZJM94a, ZJM94c].
multiprocessors [Bor84, LTS90].
multiqueue [Has72].
multiset [MSTA17, CP95a].
multiset [B¨ut86, NTW09, RRS07].
multisignature [Oka88].
multispectral [DCM18].
multiterm [Bur84, Bur82].
multithreaded [KGC95].
multithreading [Cro98, MIGA18].
multiser [ZG90a, ZG90b].
multiplicate [AM07, OS10].
multiplicities [DG85a, DG85b, Ger86a, Ger86b, KTN92, MLxx, Omi91, RS92, SD89b, SD89c, SD89a, Sch90b, SD90b, SD90a, TNKT92, ZJM94b, SD94d, ZJM94a, ZJM94c].
multiprocessors [Bor84, LTS90].
multiqueue [Has72].
multiset [MSTA17, CP95a].
multiset [B¨ut86, NTW09, RRS07].
multisignature [Oka88].
multispectral [DCM18].
multiterm [Bur84, Bur82].
multithreaded [KGC95].
multithreading [Cro98, MIGA18].
multiser [ZG90a, ZG90b].
multiplicate [AM07, OS10].
multiplicities [DG85a, DG85b, Ger86a, Ger86b, KTN92, MLxx, Omi91, RS92, SD89b, SD89c, SD89a, Sch90b, SD90b, SD90a, TNKT92, ZJM94b, SD94d, ZJM94a, ZJM94c].
N [Sar80, FHC89, ISO97].
n-bit [ISO97].
Naehrig [FT12].
named [WTZ+13].
NSA [Fis87, NASA].
Nato [Fis87, NASA].
Names [ABC16, Doshi88].
Nancy [Jou88].
Nanowire [Rey14].
NAT [Fis87, NASA].
Natural [Cer81, KBC83b, Har85, KBC81, LG78, YMI89, KBC83a].
NC [IEE89].
NDN [KTC20].
NDSS [Aan20].
Near [A106, AI08, BT89, DD15, LQZ14, GJM02, SB97, Yuw75].
Near-Associative [DD15].
Near-Duplicate [LQZ14].
Near-Optimal [AI06, AI08].
Nearest [AEP18, AI06, CL85, KBC81, MW09, PACT09, SY08, AI08, CW93, FH79, HFZ+15, JDW+19, LCH+14, LWKK20, SWQ+14, TYSK10, MKL21].
nearset-near [FHT99].
Nearly [HT01, FP82, MV91a].
nearly-constant [MV91a].
Neccessary [IH95, Rus92, Rus93, Rus95].
Negative [DDF07, SB95].
Negatives [Pag18].
Neighbor [AEP18, AI06, CL85, KBC81, MW09, PCM15, PACT09, SY08, AI08, CW93, FH79, GJM02, HFZ+15, JDW+19, LCH+14, LWKK20, SWQ+14, TYSK10, MKL21].
Neighbor-sensitive [PCM15].
Neighborhood [DHL+94, DHL+02, D+92, SG72, ZLY+13].
nighbours [Yuw75].
Neither [CP91a, CP91b].
Nested [HBL+10, FK89, MCM01, TMB02].
etflow [LDK12].
Netherlands [dBvL80, CP87, CP88, vL94, AW89].
Network [Ano10, HCJC06, HLC10, JL14, KHK15, MK11, PLKS07, Veh86, WBWV16, YBZQ18, AS09, CV14, Che21, DFMR15, Die90, FVS12, KL08, RAL07, TLL07].
Networking [ACM04, LCK11, LZ16, WBWV16, WTZ+13].
Networks [CGLC20, DK09, DPH08, Jai79, Jai92a, Jai92b, Jaixx, JLX08, Kalk93, Kub84, LDY+16, MJBD11, PLKS07, SV94b, SPSP16, SMS91, TGGF10, XHZ+19, ZQSH12, AK09, ADF12, BCCL10, Cha12, GDGK20, GBL94, LG13, LDD08, ML07, NMQ22, PES+12, SV95, SX08, TBC+05, WSH+07, WGW+18, YG10, ZBB+06, BB07, CT10].
neuer [BI87].
Neural [Kak93, NMQ22, WGW+18].
Nevada [IEE10, AFI69].
Next [DCW91, She91, CCA+12, CT10, KKP92].
Next-Generation [She91, CCA+12, KKP92].
Niagara [AFK90].
NiceHash [Nic17].
NIDS [KJC11, TK07].
NIDS/NIPS [TK07].
OCR [Wan84]. Oct [IEE80b, WS93, War14]. Oct-Tree [WS93, War14].
Octree [CJC09]. ODBF [ODB89]. Odyssey [IEE01].
Offline [HHL10]. Office [DGM89, FC87a]. Offline [GAS16]. OfFs [ASBdS16, Blo70]. offset [HLL18b]. OFL [GMP95]. OH [BD08, IEE94b]. Ohio [Fis87]. OHLCAP [HMNB07]. Old [FLF11]. Omnibus [GDGK20]. On-Chip [MJB11]. On-Line [AS82, FFGOG07, SS83, BBKN12, HHL10, KRRH84, RW73]. On-line/Off-line [HHL10]. Once [MNS07]. One [BCFW09, DGV93, Dit76, GK08, HHR+10, HYLT99, JHL08, HGH+12, LK84, Lar88b, LAKW07, LOZ12, LMD+12, LHC05, LP15, Lyo85, Mer90b, Moh11, OGAB14, PWY+13, Par18, RHMO9, Roe94, Rus93, SF91, Sch91a, Sho90a, Tsu92a, Wee07, Win83, Win84, Yas07, ZY00, ZPS90, Zhe90, ZMI91, ZPS93a, CMR98, Git91, HR07, HL03, IEE92a, KST99, KM10, LWO4, Mer90a, MZI98, NY89b, NY98a, Roe95, Sim98, SV18, STS+13, Tsao8, Tsu92b, YLO4, ZW05, ZPS93b, HMNB07]. One-access [Lar88b]. One-Hop [RHMO9]. One-Pass [LMD+12]. One-Step [Dit76]. One-Time [LAKW07, Moh11, PWY+13, Par18]. One-Way [BCFW09, DGV93, GK08, HHR+10, JHL08, LP15, Roe94, Rus93, Sch91a, Sho90a, Tsu92a, Wee07, Win83, Win84, YZ00, Zhe90, HYLT99, LHC05, ZPS90, ZMI91, ZPS93a, CMR98, HR07, HL03, KST99, LW04, Mer90a, MZI98, NY89b, NY98a, Sim98, Tsao8, Tsu92b, YLO4, ZW05, ZPS93b, HMNB07].
Online [BBKN01, Dos78b, FXWW17, Ger95, Kue83, Kue84a, Mir17, SI09, TP15, PES+12]. Online-fehlerbehandlung [Kue84a]. Online-fehlererkennung [Kue83]. Only [EH12, MT11, NM10]. Ontario [KLT92]. Open [AMP15, Bra84a, Bra85, Bro87, F977, G80n, Kn07, Kno88, LH03b, LH03a, Mit09, MC86, SS80, NK16, NMX9, TT81, van73]. Open-Addressing [G80n, G80]. Operating [ACM87]. Operation [CMS12, KL87, PHG12, AS89]. Operationen [Nec79]. Operations [ANS10, Bra84b, Eil83, Ers58a, FAFK21, Gir87, He87, HY89, HY93, HY86, HTY90, Kn90, Kut10, MSW90, SG76a, Wu85, JMH02, Pro18]. Opportunistic [LDK12]. OPS5 [KS89a]. Optical [CF89a, Vit85, CF89b, FWP18]. OPTIK [GT16]. Optimal [AU79, A106, Bat80, Bat82, BR94, BBP88, BW98, BMV02, CC88a, Cha84a, CHM92a, CHM92b, DAA, FC87b, FP98, HR93, HRB13, Jag91, KK12, KK18, K92, Kri84, LL92, LCML94, Lip02, MLP07, Men12, Men17, Mor83a, OWZ14, PP08, RR92, Riv76, Riv78, Tra06, Yao85a, Yao85b, Yao95, YCRY93, YSEL09, A108, GSS01, LCRY93]. Optimality [Bol79, CLC92, JP08]. optimally [Woe06a]. Optimierungsfragen [Wal74]. Optimistic [GT16, SDZ21]. Optimistically [GLB21, Zuk21]. Optimization [AOAAK20, ODB89, AR17, BG92, Kie85, Kn08, MXL+12, Mir17, MWC12, TV83, XNS+13, YNW+09, Yub82, DJRZ06, DJNR09, Loh89, MP90]. Optimized [ARH+18, CVR14, EPR99, MZD+18, ZH18]. Optimizer [ML86]. Optimizing [DGGL16, DOP+14, LOYO0, MBK00, PFB8, SW91, SV15b, WL12, TCW+13, WLC20, WTN07]. Optimum [VC85, vdP72, vdP73, van73, Vit80a]. OR-parallel [Cra85]. Oracle [GHR99, LT12]. Oracles [Can97]. Order
[FCDH90, FCDH91, GG86a, HB92, HM12, HSW88, Oto88a, Ouk83, Rob86, Tam81, Aky13, BMLLC½ 19, DH84, DLM07, HKKK13, Pri95]. Order-Preserving [GG86a, Ouk83]. Ordered [AK74, CS83a, Cha84b, Cha84c, CS86, Cha86b, CC88b, MY79, MN90, SH92, SH94, SS06, JMH02].

Ordering [Lyo78a, GM79, Sab94]. Ordinal [ZZLZ21]. Ordinal-Preserving [ZZLZ21]. Oregon [IEE93, ACM85b, CLM89]. Organisation [Lit77a, Wie87a]. Organization [ACM75b, Ano85a, ANT85, Cha84b, Cha84c, CS86, Cha86b, CC88b, MY79, MN90, SH92, SH94, SS06, JMH02].

Organizations [CF89a, Sch79b, Sch81, Toy86, YD86a]. Organized [FLF11]. Organizing [HH85, Som99, TY03]. Orientability [FP10]. Orientation [BH93]. Oriented [BDPSNG97, Bri84, CS85c, CS85b, Cha85, Cha86a, CO82b, DCW91, ISK* 93, JC88a, Ke85, LD92, PV92, TL95, TR92, Tr95, CL86, CW91, CW93, CW96, DM99, DM11, W905].

Orlando [ACM91d, ACM91a, Koa89]. Orleans [ACM91e, ACM97a, IEE74]. Orthogonal [BG906, LCML94, CCL91, W97, W95a].

Oscar [GDA10]. OT [PSZ18]. Othello [YBQ28]. Other [PV19, Saa12, Bee83, BDK16]. OTS [Huí13]. outbreak [FPN09]. outfit [Nic17]. outlier [GDGK20]. Output [Mit12, NIS15, NR12, PHL01, ZPS90, ZPS93a, Sab94, ZPS93b].

outsourced [YLC+ 09]. Overflow [Bra84a, Bra85, Bra86, Hop68b, Lar85b, Mul72, Mul81, NY85, Sam76, Sch79a, Tam82, Tor84, Bay73b, CS93a, KD92, Kou93, Ram87, YD86b]. Overflow-Handling [Lar85b]. Overhead [Les88, HGR07, IKOS08, MA15].

overheads [SSU+13]. Overlapping [MJJ+02]. Overlay [PFM+09, GDA10, TBC+05]. overlays [GHW07]. Overview [PGV92, Ros12, WR97, BFG+95, BDP+12]. ownership [DSS10, LWG11]. Oxford [ACM94b].


Paging [Bry84, HBL+10]. Pair [GSC01, Val15, DHPK97, PW06, YSK10]. pairing [BP18]. pairing-friendly [BP18].

Pairwise [DL12, ZLY+12]. Palace [ACM75b, EEE84d]. Palm [IEE11b].

Palmer [IEE80a]. PANAMA [DC98a, DV07, RVPPV02, BDPV09, DC98b]. Paper [Cer85, Pro94, SV15a, ZL12]. Papers [ACM75c, ACM76, ACM77b, LFP82, LC86b, SC77, ACM79, ACM91d, Bai81, Bor81, GM02, EEE88a, Ytr06, Bir07, FNY92, YJ14].

Paradigms [JWM+18]. Paradigm [BM97, CS02]. paradox [RK15]. Parallel [ACM91c, PDI91, And88, Ano93d, AEMR09, AR17, AT91, BFG+95, BH91, Bis12, BRW93, Bor84, Bur81, CDM98, CDM99, Chi91, Chi94, CT96, DNS92, DA93, DS97, GST90, GM94, GM98, GI77, Gra94c, GZ99, GC90, HB93, HNS84, HCO7, HCY94, HCY97, IG77, J‡90, KUS6, KUS8, KR91, KJC11, KR19, KO90, KTN92, LBC20, LLLC17, LPP91, LPP92, M97, MLD94, MV90, MV91b, Mat93, MK89, Mii85, MK93, NM02a, PAKR93, Pap94, PK89, PRM16, PSR90, PW94,
parallel [AKN12, ASA+09, Ati20, CZL12, CyWM91, Cra85, Don91, EASR22, FHL+19, Fis87, GLHL11, HK95, KP92, MV91a, MP90, Mol90a, Mol90b, OT89, PCK95, RLM87, SK88, SD89d, STS+13, TL93, UHT95, War14, adHMR93, KL95].
parallel-DM [KL95].
parallelism [ASM17, Ged14, MMSY94].
parallelizable [MP16].
Parallelization [DTM+18].
Parallelizing [GK12b, WDYT91].
Parameter [CC88b, GB10].
parameterization [SS15].
Parameters [HRB13, HYLT99].
parazoa [AMP12].
PARBASE [RNT90].
PARBASE-90 [RNT90].
Paris [LS89, Coh94].
Parities [Val15].
Park [IEE84, IEE89, Jáj90].
PARLE [BRW93].
Parser [HC87].
parsing [Tai79].
Part [ANS97, Bor81, ISO97, ISO04, MBBS12, Sed83a, ADG+08, AMSM+09, KMOV10, Wil03].
Part-Graph [MBBS12].
Partial [AU79, Bur75b, Bur76b, Bur76c, Bur78, Bur79, Can97, CLD82, Chun90, CY06, Cor02, Jag91, Lar80b, Lar80c, Lar82c, Lar82d, Larxx, LKI10, Mor83a, PF88, RTL83, RSD85, RSSD89a, RSSD89b, RSSD90, RSSD92, TGGF10, YLZ20, YD86a, CC88a, Fa88, Hua85, Pri95, Riv74a, SDR83b, SNW06, YD86b].
Partial-Domain [Cor02].
Partial-Match [AU79, Bur75b, Bur76b, Bur76c, Bur78, Bur79, Jag91, RTL83, RSSD90, RSSD92, RSSD89a, RSSD89b, Hua85, Riv74a].
Partial-Relation [PF88].
Partially [PCL93a, PCL93b].
particles [Lia95].
Partition [LKI10, LC96, WZ12].
Partitioned [Ger86a, LR96a, NKT88, SW91, Ger86b, HKL07, MZK12].
partitioner [KKP+17].
Partitioning [Bre91, Ged14, PF+09, SBS16, WBV16, ZRT91, vM39, CKKK09, CKKW00, EH17, HAK+16, Kim99, LL13, LWWK20, PCK95, SKD15, UHT95, AP11].
partitions [DKRT15].
Partly [OTKH11].
PASCAL [Dit76, Hil88, HS84, Dit76, GBY91, Hej89, Sch76, TA81, TA86].
Paso [ACM97b].
Pass [LMD+12, OGAB14, YDT83].
Passbits [MB03, Bur05].
Passed [Gra94b].
Password [ASBD16, GAS+16, JK11, KV09, LSZ+21, WG00, BSNP96b, BDK16, CJMS19, GL06, KJS17, KCL03, Ku04, KCC05, NMX19, Par18].
Password-Based [KV09, BSNP96b, GL06].
Pastry [Her07].
Patch [BI12, BZL+15].
PatchTable [BZL+15].
Paths [Kul84, AAB+92, VNC07].
Patricia [KS12].
Pattern [iA94, BT94a, BT94b, CG79, Fre90, Gri79, IEE88d, KR81, Sch91a, ZO13, YIAS89].
Pattern-Matching [KR81].
Patterns [BH85, CLC06, HSPZ08, OTKH11, SK98, BCGS16, BCC10, KRML09].
pebbled [Dev99, CM01].
Peer [CCF04, JXY07, KLSY07, KS12, LMSM09, PF+09, SM02, LMSM12, WHS+07].
Peer-To-Peer [PFM+09, CCF04, JXY07, KS12, LMSM09, SM02, LMSM12, WHS+07].
Peers [RMB11].
Pennsylvania [ACM76, LFP82, ACM96, HB93, IEE92b].
Pentium [BGV96, Bosxx].
Peoples [Ano83].
peptides [MIGA18].
Per-Flow [NS16b, SL16, YGS+19, HKL04, LMP+08].
Perceptual [DCM18, LC12, MV01, MV02, NS16a, RNMPM12, SB14, THY+18, WDP+12].
Perfect [AN96, AA79b, AA79a, Ari94].
BHIM12, BBD+82, BBD+86, BS94b, BS94a, BW98, Bla00, Bla95, BPZ07, BT90, BT94a, BT94b, BH86, Bur92, BC90, Cer81, CK88b, CB88, Cer85, CB85, CB85, Cer87, Cer88, CLD82, CS83a, Cha84c, Cha85c, CS85b, Cha85, CS86, CL86, Cha86b, CC88b, CCJ91, CW91, CL05, CLC06, CT12, CJ+99, CRSS83b, Cis80b, Cis80, CO92b, CHK85, CHN81, CHN92a, CM93, CHN97, Dat88, DKM+94, DH01, Die05, DHJS83, Duc08, DM11, FM96, FCD88, FCD89, FCD90, FCD90, FCD91, FCD92b, FHCD92b, FHCD92, FHCD92a, FK84, FH15, Get01, GHK91a, GHK91b, HT01, JOS0, Jae81, JD12, KH84, KM86, KM88a, KCB81, Kra82, KP94, LR85, LH06, LLLC17, Mai92, MWC92, MHC96, Mem82, NRW90, Nil94, OG94a, OG94b, Pag99, PV92, PG95].

Perfect

[Pes96, RL99, RP91, Ram92, Rog19b, SB95, Sag84, Sag85a, Sch90a, SvEB84, Spr77, Tro92, Tro95, WX01, Win90b, Wol84, YDT83, YD84, YD85, AAB+92, AG10, BJO7, BBPV11, BS94c, BT89, CB81, CK83a, CK89, CL90b, CSR88, Cze98, DF89, DKM+88, DKM+91, DHW08, FHC89, FCD92b, GS89, HK86, Han17, HM93, JW+18, Lia95, LC13, McT08, Mi95, Mi98, Pag01, RB91, SB97, SS92, ST85, SH92, SH94, SL88, Sl90b, TK99, XMCL11, WC07].

Perfectly

[CMR98].

Performance

[ACM04, AP93, ANS09, BM99, BM89, BM90a, Bre91, Br93c, CL85, CS87, Chr84, CH94, DGG+86, DR92, DH92, DS97, Don91, ESR14, FC87a, Fla81, Fla83a, Flo87, GD87, Gra88, Gra93a, Gra93b, Gri74, Hac93, HSMB91, HC13, IE94a, IG77, KS89a, Kha95, KK96, KNT92, Kue82b, Kun90, Lar80c, Lar81, Lar82a, Lar82b, Lar85c, LCK11, LCLX19, LL09, LMSF89, Lit84, Lit85, Lom88, LMC+20, LYM71, Lum73, Lyo83, MXL+12, Mac95, ML86, ML94, MY79, Mi85, Mul85, NM02a, NP99, Omi91, Pal92, PB80, Pro94, Ram89b, RZ97, RSSD90, RLH90, RLH91, Roe94, Roe95, RT78b, SD85, SD89c, SD89a, Sch79b, SC90b, SC90a, SC90c, She91, TNK92, TMB02, Tym96, Vit83, Yen91, YB95, BMQ98, BW89, CAGM07, CF89b, HM03, KOU93, LLA15].

performance [LY72, MRL+19, MA15, RFB97, SK20, SS89a, SD89d, Shii17, Sie89, MKL21, VB94, Vit80a, WL07, WTN07, XCC90, Yu18, ZHW19].

Performances [Mek83].

Performed [Wil71].

Performing [FP98b].

Period [AC74, Eck74b].

Periodicity [HG77].

Permutation [DLH09, HSR+01, NIS15, PHG12, CFTP94, DLH13, HK95, KST99, LOZ12, LMPW15].

Permutation-Based [NIS15, PHG12, KST99].

Performances [Mek83].

Perfect [Pes96, RL99, RP91, Ram92, Rog19b, SB95, Sag84, Sag85a, Sch90a, SvEB84, Spr77, Tro92, Tro95, WX01, Win90b, Wol84, YDT83, YD84, YD85, AAB+92, AG10, BJO7, BBPV11, BS94c, BT89, CB81, CK83a, CK89, CL90b, CSR88, Cze98, DF89, DKM+88, DKM+91, DHW08, FHC89, FCD92b, GS89, HK86, Han17, HM93, JW+18, Lia95, LC13, McT08, Mi95, Mi98, Pag01, RB91, SB97, SS92, ST85, SH92, SH94, SL88, Sl90b, TK99, XMCL11, WC07].
Plagiarism [CH12]. Plains [IEE88c]. plane [AI89].

Platforms [ADOAH19, LMD+12, LLL+16, Sun02, TCP+17, FNP09, MN99, QZD+18, ZLL+07].

Platforms [AS16, NMX19]. Play [But17].

Playing [Zob70a, Zob70b]. PLILP [BW92].

PLOP [KS88b, KS88c]. PLOP-Hashing [KS88c, KS88b]. PLOP [KS88b, KS88c].

PODS [TGGF10]. PODS [HF13, ACM88a, ACM89a]. PODS'08 [LL08]. PODS'10 [Van10]. PODS'13 [HF13]. Point [BL89, TK17]. Pointer [LDM92, SC90b, SC90a, SC90c, SVCC01].

Pointer-Based [SC90b, SC90a, SC90c, LDM92]. Points [AT93, Bat80, Bat82, AI89, AT90]. Poisson [Pob86, PVM94]. Poland [ACJT07, Win78].

policies [Jan05]. Policy [GGY+19, DG96]. Politecnica [CTC90]. Polling [LXL+19].

Polling-Based [LXL+19]. Poly [DSS17]. polylog [DLM07]. Polynomial [DGMP92, FS82, Saa12, Sag85a, San76, WSSO12, Win90b, Bis12, GPGO16, Kak83].

Polynomial-Advantage [WSSO12].


Popular [CLNY06, RR08]. Portable [Hek89, NADY20]. Portland [ACM85b, CLM89, IEE85a, IEE93].

Portugal [CIM+05]. positives [CVR14].

Post [BBDO9b, MKAA17, SE21, BBDO9b, BD08].

Post-Quantum [BBDO9b, MKAA17, SE21, BD08, BBDO9b].

Postal [Dos78a]. poster [ZL12].

Postortsnamen [Dos78a]. Postprocessing [RJK79]. Pour [Kar82]. Power [Dun89a, FP10, HD72, MK11, MMMT09, PT12a, PGV90b, ACP10, Ano93c, DKRT16, GP08, KM10, PT11a, PGV93g, Sch82b]. powerful [Tho17]. PQCrypto [BD08].

Pracniques [Dod82]. Practical [AS82, AB17, AG18, BR97, BHH+15, CHK85, DNSS92, DDS14, EMM07, FHCD92b, GIS05, GLLL17, HM96, IP11, LT09, Ram89b, ZZ83, Con17, JG95, LWXS18, Sil02b, SXLL08].

Practicality [TT82]. Practice [KGJO18, Mir17, Ram88b, BBPV11, RZ97, Sta06b, Tso15, KKP92]. Practitioner [SD76]. PRAM [GM91, KLadH93, KLM96, Kel93, Kel96, Lep98]. Pramanik [Pro94]. Pre [Mit12]. Pre-image [Mit12]. PRECI [BD82, DNV81]. precise [Ati20, DK12].


Prediction [TW07, DFMR15]. Predictive [DCW91, RT87a]. Predictors [DGD02, NI83, TT86]. predistribution [LND08, SN19].

Preemptible [PCL93a, PCL93b]. Preferential [VNC07].

prefetch [TKH20]. prefetching [CAGM07].

Prefix [CLNY06, BGKZ12, BLC12, DKT06, PT10b, PT12b, RRS07, RW07].

prefix-compressed [BLC12]. Prefix-Free [CLNY06]. prefix-preserving [RW07].

Prefixes [PT11b]. Preimage [ABD+16, HKKK10, Li10, Sas11, WW09, WS13, WFW+12, ZW+12, MS13].

preliminary [CMR98]. preparing [ACM91b].

Preprocessing [KR01].

Presence [RK91, WDYT91]. Presented [ACM75c, ACM76, ACM77b, LFPS82, DBGV93, ACM79, ACM91d]. preservation [DL06].

Preserve [Knu77, RS12, Vit81b, Vit82a].

Preserving [ABD+16, HKKK10, Li10, Sas11, WW09, WS13, WFW+12, ZW+12, MS13].

Prime [Bat75, HM12, MUE04, OG94a, WS03, Lar84].

Primes [Die96, ACP10]. Primitive
Primitives [LYDA19, Mue04]. Principal [Cha88, MW09, SA97, US09]. Principle [Dam90b, FDL86, Gib90]. Principles [ACM82, ACM83a, ACM83b, ACM85b, ACM86a, ACM87, ACM88a, ACM89b, ACM89a, ACM91d, ACM91a, DK02, DK15, Van10, HF13, LL08, Pre94a, Ul82, Wal88, Zhe90, KKP92, Sta06b]. Print [Cip93]. Priority [AFK83, AFK84, RT87a, GJM02]. Privacy [ADOAH19, Ano95d, BJL16, BBR88, GZX14, KAS+22, VD21, ZXL19, Cho21, QZD+18]. Privacy-Preserving [ADOAH19, BJL16, GZX14, QZD+18]. Private [PSZ18]. Probabilistic [Bla00, BK07b, Fla83b, FM85, Pit87, Sch91a, Tsa96, WVT90, Yao83, CMR98, SD95]. Probabilities [Ald88, PRK98, vM39, Ald87]. Probability [Fel50, Gon81, OT91, Spr77, LJW+17, Mil99, Pag01, SSS8a, SS90b, Sun93]. Probes [Lyo85, Ros06, Ros07]. Probing [Ald88, BBS90, Cle84, FPV98, JV16, Knu98, Lar85b, Lyo78a, MY80, PPR09, PT16, Pet13, PK87, PVM97, PV19, SL16, TZ12, VP96, VP98, Ald87, Jan05, LJW+17, PPR07, PT10a, Ram89a, Sar11]. Problem [AA79b, AA79a, Gon81, OT91, Spr77, LJW+17, Mil99, Pag01, SSS8a, SS90b, Sun93]. Problem-Based [BC06]. Problems [DSS17, DM90, GB10, HP63, Hop68b, Mit73, NAK+15, Val15, BC06, DHKP97, HCF95, LP04, Loh89, Mon19, Sun91, Sun93]. Proceedings [Col93, CHK06, Dar91, DT87, DSZ07a, DSZ07b, EF12, Fei91, FMA02, Fre90, GMJ90, Go94, GSW98, HB93, Hel94, IEE80a, IEE85b, ICD88, ICD90, IEE90, IEE91b, IEE91a, ICD91, IEE92b, IEE92a, ICD93, IEE93, IEE94c, IEE95, IEE01, IEE05, IEE07, IEE10, IEE11b, IEE13, IIRM93, Joy03, Kar98, Ker75, Kn98, Kui92, LC06, Las87, LL08, LT85, LS89, Lom93, Mat09, MK98, MV91c, MS95, Nav85, Oxb86, Pat90, PK89, QV98, RR09, RK98, Roe93, ACM77a, SZ93, Shm00, SW94b, SC77, Sti93, Sti94c, Sto92, USE91, USE00a, USE00b, Van06, Vid90, WPT90, IWS99, Yan10, Yun02, AGK+10, AFK00, ACJT07, Bel00, BJZ94, Boy05b, Bra90, BW92, CIM+05, CP88, Cop95b, Dam90a, Dam91, DMRZ06, DJNR09, FSP9, Go96, HM08, adHMR93, HKNW07, IEE11a, JB94, Kil05]. Proceedings [Lut88, QV90, QG95, Rei88, SP90, Sho05, SM08, Wie99, vL94]. Proceedings/Ninth [ICD93]. Proceedings/Seventh [ICD91]. Proceedings/Third [ICD87]. Process [FS82, Pro94]. Processes [WB90]. Processing [APV07, BG92, CCW+17, Dan13, Eld84, GST90, Ger86a, Ger86b, Gil77, GSL17, Gra92, Gra94c, HB93, Har85, HCJC06, IABV15, KMV10, LLLC17, LC96,
MK89, MS88a, Omi89b, PAPV08, Pip94, PK89, RK89, Sac86, Sch90b, SD90b, SD90a, Sha86, Sol93, SPB88, Spe92, Tha88, Toy86, WPy90, IWS99, YkWY83, BZZ12, Bra88, CP95a, CKKW00, Ged14, GC90, HLI93, Kan91, Kan93, LLC89, RAD15, Ros74, Sab94, SK88, SP89, WLLG08, YkWY83, BZZ12, Bra88, CP95a, CKKW00, Ged14, GC90, HLH13, Kan91, Kan93, LLC89, RAD15, Ros74, Sab94, SK88, SP89, WLLG08, YkWY83, BZZ12, Bra88, CP95a, CKKW00, Ged14, GC90, HLI93, Kan91, Kan93, LLC89, RAD15, Ros74, Sab94, SK88, SP89, WLLG08, YkWY83, BZZ12.

Processor

[Adi88, KL87, SM87, YCRY93, ISH91, LCRY93, TLLL07, YNW91].

Processors

[Pap94, Ros06, Ros07, Wil59, JHL15, KL08, KW94, TLLL09, YIAS89].

Producing

[DV07, RVPV02, Win83].

Product

[Du86, YGC12, OS14].

Productive

[Bor81].

Profile

[SSU13].

Profile-guided

[SSU13].

profiling

[VNC07].

Program

[Hil88, Kru84, Mai83, Mai92, Meh82, SS80, BZZ12].

Programmable

[HM12, HK12b, CFN18, LT12].

Programmer

[Cro98].

Programmiersprache

[Dit76].

Programming

[LFP82, ACM91d, dBvL80, BM87, BGS96, Dit76, Dun89a, Ers58a, Ers58b, GG86b, Har71b, Har73, IEE84, Jou85, Knu73, Knu75, Ku72, Li92, Ma88, NS82, Pat90, Ruc15, SSS05, dKC94, ACM91a, AK10, ADG98, ALS10, AMS10, ACJT07, BW92, CIM10, DLH79, Er86, Sab94, TMW10, YIAS89, BW92, LAS87].

Programs

[AR16, Hea72, PAKR93, SS88b, Ers58b, FD86, MP90, NMS08].

Progress

[Wol93b, Wol93a].

progressive

[XML11].

Progressively

[DV87].

Project

[DGS90, DGS90a, Tro92, NM02b].

Projecting

[AT93, AT90].

Projection

[Bur78, SPW90, AS89].

Projective

[ACP09, HK12a, KV99, Wec12, FH15].

PROLOG

[CJ86, Bor84, Coh84].

Proof

[Ano99b, CZLC12a, CZLC14, Cor02, LYY10, LYY19, LT12, SD14, ZM17, DLM07, HLI18, ZCQ19, ZYW20].

proofing

[CHL07].

Proofs

[CZLC12b, CS02, KK12, KK18, NTY12, WG00, Wee11, Li10].

Propagation

[DSSW90a, CML13, DSSW90b].

Properties

[BA05, Bol79, CS83b, CLC92, Lit85, RS12, TS85, WS76, ZM91, GW94].

Property

[BR06, DGKK12, FLP14, Rja12, SRY99, Ter87, FL08, FLP08].

proposal

[LLJ15].

Proposed

[CP91c, HPC02].

protected

[AGBR19].

Protecting

[LMJC07].

Protection

[DF01, DGKK12, SP21].

Protein

[LY12].

Protein-Protein

[ZL12].

Protocol

[Ano95a, BT12a, Dam93, GI12, HCN07, HPLS12, HLC10, JRPK07, JK11, OZY94b, TY03, VD21, YLZ19, CJ15, Dam94, GB17, LW04, OZY94a, SLPB14, CJ12, JL14].

Protocols

[LLL09, SDK91, KLL97].

Provable

[ANS09].

Provably

[BCG16, DY90, DT91, HM96, JP07, LM95, Sh06, IN89, SXL16].

Provably-Secure

[DY90, DY91, HM96].

Provide

[Sch01b].

Providence

[IEE07].

Proving

[Kil01, WS76].

proxies

[TC04].

Proximity

[MPP14, SX08].

Proxy

[ZJ90].

Pruning

[CT12, MD97, HC02].

Pseudo

[DW83, FLF11, WFS12, dW83b, MFK06, PVCQ8, TSY98, WS13].

Pseudo-Associative

[DW83, dW83b].

pseudo-collision

[WS13].

pseudo-random

[MFK06].

pseudo-randomness

[PVCQ8].

Pseudo-structural

[FLF11].

Pseudochaining

[HP78].

pseudoentropy

[VZ12].

Pseudorandom

[BK12, NA15, OS10, SP91, AAM03, CP13, VZ12].

PUB

[Nat95, FIP93, NIS93].

Public

[ANS97, ANS05, BBR88, CLP13, Cip93, CS02, Dam87, HR04, LYY19, LRY15, NTY12, ZCQ19, CFN18, LW17, Oka88].

Public-Coin

[CLP13].

Public-Key

[CS02, NTY12, Oka88].

Publication

[Nat92].

publish

[MI14].

publish/subscribe

[MJ14].

Puerto

[IEE07].

Purpose

[CHI91, CHI94, Sch91a].

Put

[WLC20].
putting [Col93]. pyramid [MHT+13].

QC [JY14]. Quadratic
[Ack74, AC74, Bat75, Bel70, Bel72, Bel83, BI87, Bur75a, Day70, Eck74b, HD72, Lam70, Rad70, NH74, Pri95]. quadratischen [BI87]. Quality [THY+18, YWH09, GW94]. quality-size [GW94]. Quantification [GC95]. Quantile [BI87]. Quality [THY+18, YWH09, GW94]. Quatrernary [KP96]. Quatery [KP96]. Québec [ACM02]. Queensland [SZ93]. Queries [APV07, Bur75b, CLD82, Cha84a, CHA97, DHL+94, DHL+02, GST90, GYV+19, KS12, LCM94, LOY00, LLG+17, LB07, ML86, MPP14, PAV08, PF88, SD90b, SD90a, SW91, Sol93, STU85, BZL+15, DH84, FAL88, HYKS08, HAKM15, HAK+16, HR93, HF91, Hua85, LL13, MBKS07, SWQ+14, TL93, Wil78, Wil85a]. Query
[OD89, BG92, FB87, Ger86a, Ger86b, Gra92, Gra93c, Gra94c, HLC10, HF+15, HFF+17, Kie85, Kim80, LC96, MS88a, Sac86, SD90b, Sch90b, Spec92, TS85, Toy86, CCY91, CKKW00, DSD95, GMP95, LYT+13, LMLC14, Loh89, RAD15, SP89, WLLG08, YLC+09, Yuf92]. query-adaptive [LYJ+13]. Query-aware
[HFZ+15, HFF+17]. Querying
[CN07, LÖON01, TT10, AK09, NDMR08]. Questions
[Mit09]. Queue
[KV91, MV88, KM07]. queueing [MSV87]. Queues
[AFK83, AFK84, WOO89, GJM02]. quick
[FDL86]. QuikFind
[Cha91]. Quotient
[BK70, Bel70, Bel72, Bel83, Bur75a, Lam70].

r [KKT91, LJPF19, WY15]. R* [ML86]. r-th [KKT91]. Rabin
[FH79, GBY90]. race
[Hil05]. radio
[CJP12, CJP15]. radio-frequency
[CJP12, CJP15]. RadioGatún
[BDPV06, BDPV09, BF08]. Radisson
[ACM85a]. Radix
[FBJ78, Lin63, SKD15]. Radon
[GH07, RGNPM12]. Ragged
[Ros77]. RAM
[PSR90]. RAMA [MK93]. Ramamujan
[SV06]. RANDOM
[DJRZ06, DJRN09, AD85, ANO86, BH90, BM76, BBS90, Can97, Cha84a, Cla77, Dev99, Die96, Dum56, EAA+16, FP10, FMM09, FMM11, GHR99, GUI89, HSR+01, JTO99, KLSY07, KM88b, LT12, MY79, MÖ09, MEK+14, ORX90, OL69, Ore83, Pet57, PV19, Sie04, Tra63, Yao91, de69, BR75, BK07a, BK88, CM01, DW03, FP82, GW94, HC11, JCC90, KLL+97, Kut06, Lin63, MYS12, MFK+06, Ram89a, TSY98, WL07, ZGG05]. Random-Access
[MY79, Pet57, Tra63]. Random-Walk
[FMM09, FMM11]. Randomization
[GBS94, DJRZ06, DJRN09]. Randomize
[KG12a]. Randomize-Hash-then-Sign
[KG12a]. Randomized
[AEP18, KR81, LZQH11, Mat93, YWH09, DHKP97, MS96]. randomly
[RH90]. Randomness
[AY14, Knu77, Vit81b, LW17, PVSQ08, Sar15, SS90a, Vit82a]. Range
[ACM85a, LCM94, LB07, CL91, Fal88, HR93, Wil85a]. Rank
[TC93]. Ranking
[LR96a]. RANSAC
[ZW+18]. Rapid
[CG79, Dum56, GRI79, LG96, PT11b, WK07]. Rapidly
[Dav73]. Rate
[CJKK19, IABV15, KL04]. Raton
[HB93]. raw
[CLXL15]. Ray
[ACM82, SS89b, ZRL+08]. RBIBDs
[Woa06a]. RC4
[IP08, RS14, Sar15, YZ16]. RC4-Hash
[IP08]. RC4-like
[SB91]. RC4A
[Sa15]. Rdbm
[Pei82, Pet83]. Rdbm-verwaltungsdaten
[Pei82]. RDF
[AÖD19, HAKM15, LL13]. RDMA
[CCW+17]. re
[Par18, WWG+18]. re-identification
[WWG+18].
Robust [BFMP11, CJN20, FLP08, FLP14, KMW08, KMW10, KO90, Li15, LDY+16, MGG10, MV01, MV02, OCGD11, TLZL16, WDP+12, CWC10, EAA+16, YCJ12].

Rockefeller [IEE90]. Roma [AAC+01].

Roman [Hol87]. Rockefeller [IEE90].

Roma [AAC+01].

Roman [Hol87]. Rockefeller [IEE90].

Rotational [KNR10]. Rotationally [HSPZ08].

Round [AD11, jCPB+12, DDS14, HSR+01, LP15, PT11b, GLM+10, SY11, TSP+11, WFW+12, ABM+12, CV05, ITP14].

Round-Down [PT11b]. Round-Reduced [DDS14, WFW+12]. Rounds [GK08, HSIR02, Sch11].

Route [ABC+16, DF01, BLC12, YG10]. Router [BL14, KLSV12]. routers [ATAKS07, PT12b, TKH20]. Routine [Hea82]. Routing [ABC+16, BT12a, WBWV16, Cha12, HLL18b, PT10b, SPSP16, TC04, TBC+05, WY02]. routing-based [WY02]. rows [CDH19, FH15].

Rule [Joy03, Ano95a, Jun87]. RSA [Joy03, Ano95a, Jun87].

BG92. Han90, HCKW90]. Rule-Based [BG92]. rulebase [CKKK09]. Rules [CL05, CT12, PCY95, HC02, HC07].

runtime [OOK+10]. Russia [Vau06]. Ryu [KCC05].

s [PES+12, BLC12]. S. [Pro94]. S81 [KTN92]. SAC [JY14, HSR+01]. safe [CCA+12, LPSW03, Lin96]. SAGA [HKNW07]. Saint [GQ95, QG95].

Saint-Malo [GQ95, QG95]. saliency [FXWW17]. same [Con17]. SAMOSA [PHG12]. Sampler [Mil87]. Samplers [CJ19]. samples [HYK08]. Sampling [AD85, Jak85, WM19, BZZ12, CyWM91, ORX90, RKLC+11, ZGG05]. San [ACM75b, ACM91b, ACM03a, ACM07, ACM08a, ACM11, Ano10, DT87, IEE88a, IEE91b, Joy03, Kar98, Shm00, Sto92, USE90].

Sandwich [Yas07]. Santa [Bel00, Bri92, Bri93, CRS83a, Cop95a, Cop95b, Fra04, Gol94, Sho05, Sti93, Sti94c, Wie99, Yun02].

Santiago [BJZ94]. SAP [SFA+19]. sat [DK07, MS13]. SAT-based [MS13].


scalability [DR92, Eng94, TCP+17, ATAKS07].

Scalable [CKKK09, DPH08, GLJ11, Gre21, IEE94c, LMD+12, MZL+19, MD97, MVB+21, MEK+14, PRR15, PSZ18, PW94, SSL+18, SKC07, SWTX18, TMW10, WPKK94, WSZ+16, YLZ20, ZLC+20, CLL+14, KKP+17, KYS05, KSC11, KSC12, LNS96, LHWL20, LEHN20, NMQ22, NK16, PT12b, SB14, SE21, TLL09, VBW94, KCR11, NTW09].

Scale [BI12, GGY+19, GLL17, Li15, MEK+14, MWC12, NS16a, SHF+17, YGC+12, ZZZ21, CML+13, FES09, Kos14, Shi17, SXLL08, Zha19a, ZNP16].

Scale-Invariant [NS16a]. Scaling [AK09, LL13, LHWL21, Ros21, TCP+17, FHL+19, PES+12, YSL05]. SCALLA [LMD+12]. scanner [ISHY88]. Scanning [Bur81, LLL11].

Scatter [Ban77, BMB68, Bre73, Day70, FL73, FW76, FW77, Luc72, Lyo78b, Mal77, Mau83, Mor68, Mor83b, Mau68].

Scenes [War86].

Schannel [KPS92]. schedules [GK12b].

Scheduling [Lyo79, TL93]. Scheme [AK98, Alb21, BP97, Burg4, CLD82, Cha84b, Cha84c, Cha85, CL68, Cha86a, Cha86b, CC88b, CC91, CW91, CGLC20, Dat88, DJS80, DHJS83, Fak80, Hul13, JHL08, KJC11, LW88, Lar88b, LHC05, LSS+21, NX13, Otto85a, Otto85b, PPS21, PVM94, PACT09, SGGB00, SHF+17, TC93, VV84, Vit81a, YSW+11, YY07, ZJ09].
Schemes [BDS09, CL05, CLC06, Cor02, Dam87, DSS17, ED88, HM96, HDCM09, HHL10, Jai89, Jai92a, Jai92b, Jaixx, Kal01, KM09, LM95, LRY78, LRY80, MY80, MKASJ18, Ngu06, PWY13, PF88, RL82, RS77, SDR83a, TL95, CJMS19, CQW08, DH84, GS94, HDCM11, IN89, KK96, KM10, ML94, NMX19, OS88, RS75, SNW06, ZHS94].

Schluesselwoertern [Dos78a].
Schnellen [Kue84a].
Schnorr [DBGV93, NSW09].
Sci [Sar80].
Science [ACM91b, AH03, Bar83, Gol94, Got83, IEE76, IEE80b, IEE82, IEE85a, IEE88c, IEE89, IEE90, IEE92b, IEE99, IEE06, IEE07, IEE10, IEE11b, IEE13, Knu74, Kon10, LC86b, LL83, RR99, Rie89, Rov90, Wai88, WGM88, Wil85b, Win78, TWW77, vL94, AT18].

science/3rd [TWW77].

scientific [Fis87].
Scope [CL83, GJR79].
scoped [FF90].
Scopus [AT18].
scoring [NADY20].
Scotland [AOV99].
Scratchpad [vdBGGLGL16].

SDC [KO90].

SE [Sun02, HLL18a].
Sealed [SKM01].

Sealed-Bid [SKM01].

Search [Ack74, iA91, Ban77, BM76, Boo74, Bra84a, Bra85, Bra86, Cer81, CKB83b, CKB85, Cha91, CLP17, CS82, Ekk74b, GIM99, HWZP18, HH85, KCB81, Kra82, Kut10, LL85, Luc72, MD97, MW90, Mue04, NSS+06, Pal92, PW07, V07, PGV92, Rei03, RSK17, SK99, Sho96, Sta06a, VD21, Win84, XHZ+19, Yas07, YY07, Zhe90, ZH+19, Aam03, FFGL10, GBL94, GBL94, HLL18a, In89, JFDF09, Sim98, SX16, YRY04, ZC12, ANS97, Ano02, Ano08, Ano12, Bou12, FIP02b, Nat92, Sta94].

Security [AK98, Abi12, And94, ASBdS16, CLNY06, CN08, Cor00, Cor92, FW09, GKIa2, HMNB07, HLMW93, HXMW94, ISO97, ISO04, KK12, KK18, Kil01, LC06, LT12, LLL09, MP12, Men12, NAK+15, PW06, RS12, SK20, SM02, WG00, WPS+12, Yan10, XZL19, ACM94a, ACP10, ABM+12, AMP15, Ano93a, AGBR19, BGKZ12, Kak83, Lai92, LC95, Men17, MPST16, PGV93c, SF88, Sta06b, UPV11].

Seed [PNPC20].
Segmented [CLYY92, CLYY95]. Segments [Bor84]. Sekundärteichers [Pet83]. select [FNY92]. selectable [BSNP96c, Gon95, Li95]. Selected [SC77, Ytr06, Bir07, Bor81, JY14, JY14].

Selecting [MHB90, Sou92]. Selection [DC81, FGOG07, Hea82, MS12, OGAB14, TYZO15, CD84a, HYKS08, Dos78a].

Selective [DHT+19, LYDA19]. selectivity [HYKS08, MBKS07]. Selects [Bou12].

Self [HH85, Pag85, Wog89]. Self-Adjusting [Pag85, Wog89].


Self-Monitoring [HH85, Som99, TY03]. Self-Organizing [HH85, Som99, TY03, Wil96, Wog89, ZFD9, AOID19, TKI99].

Semite-Infinite [LII92]. sensing [Ind13].

Sensitive [BT12b, CSSP15, CKPT19, KBG18, KAw15, MNP08, OWZ14, OTKH11, Pag18, ZH2W1, AT18, EFMRK+20, FWG18, GDGK20, HFT+15, HFF+17, LNS11, LWXS18, LJW+17, PCE15, QZD+18, SP12, STS+13, WY00, ZH+21, SA17].

Sentence [CH12]. Sentences [Ven86].

sentiment [ZZLZ18]. Separate [Kue82b, MUL81, Kue82a]. Separating [FK84, SG16, BV13, LS06, VT14].

Separators [Lar88b, Moh90, Moh93, CS93a].

Sept [BD88, Jou85]. September [VLD82, AAC+01, AOV+99, AA86, BJZ94, EF12, FS09, Fis87, HM08, HKNW07, Ker75, Kna89, LSC91, Vid90, Win78, Yao78].

Sequence [BC08, FP89b, Gon81, HG77, LPT12, LL85, MS88b, BJ07, CLW98, EASR22, Wog89].

Sequences [Som99, KS88a, QJ97].

sequencing [KRML09]. Sequential [AD85, BCC10, CT96, GSB94, HB89a, KKC12, Lit89, MUL72, ORE83, PIV85, SK98, SG76b, BDVP14, HB89b, IL90].

Series [BJL16]. Serious [AG18]. Served [PM89].

Server [DR92, GCL17, GBC98, Gra99, LLL+16, VB00, Tsao08]. Server-Side [GSL17].

Services [ANS05, Ano85b, HLC10]. Session [HLC10].

Set [BOS11, Kie85, PSZ18, SG76a, WC81, YD85, BGG12, GGR04, HYKS08, HDCM11, HKLS12, HM03, MB84, SA17].

set-expression [GGR04]. Set-Oriented [Kie85].

several [DLH+79, Kan90]. SHA [ANS97, Bou12, TSP+11, AAE+14, ABM+12, BCC15, jCPB+12, Con17, DR06, GLG+02, JRPK07, KRKJ07, KRJ09b, KJS17, MAK+12, NIS15, NSS+06, PPS21, SK05, Sta9a, SKP15, WYY05a, WYY05d, WYY05b, WYY05c].

SHA-0 [BC15, NSS+06, WYY05d]. SHA-1 [ANS97, AAE+14, BCC15, Con17, DR06, JRPK07, KRRKJ07, KRJ09b, KJS17, SKP15, WYY05a, WYY05b, WYY05c, GLG+02].

SHA-2 [SK05]. SHA-256 [MAK+12, PPS21]. SHA-3 [Bou12, TSP+11, ABM+12, jCPB+12, NIS15].

SHA-512 [GLG+02]. SHA1 [Con17, SBK+17]. Shading [ZDI+15].

Shading-based [ZDI+15]. Shanghai [Ano83, LC06]. Shape [SR89, SYW+20].

Share [SS88b]. Shared
[Bor84, CadHS00, DadH92, EK93, adH93, KBG18, KU88, KTN92, LTS90, MLD94, MLxx, Mey93, OmI91, PG17, SD89c, SD89a, TR02, TNKT92, VB00, Vit81a, WB03, YNW+99, Don91, GLJ11, Kan91, Kan93, KU86, MSS96, Par18, SD89d]. **Shared-Disk** [WB03]. **Shared-Everything** [KTN92, MLD94, TNKT92]. **Shared-Memory** [MLxx, TR02, Vit81a, Bor84]. **Shared-Nothing** [SD89c, SD89a, SD89d]. **shares** [ZHS94]. **Sharing** [LPWW06, KL08, KD92, SNW06, YD86b, ZHS94]. **SHARP** [VD21]. **SHAvite** [GLM+10]. **SHAvite-3-512** [GLM+10]. **Shell** [Rei03]. **Shenzhen** [IEE11a]. **Sheraton** [ACM75b]. **Sheraton-Palace** [ACM75b]. **Shop** [Sil02a]. **Short** [AB12, CW09, CDW+19, DK09, Lyo79, NR12, MT16, SV15a]. **Short-Input** [AB12]. **Short-Output** [NR12]. **Short-Time** [CW09]. **Shorter** [H¨ul13, PPB16]. **Should** [Yao81]. **Shoup** [Mir01]. **Showcase** [USE00a]. **Shrinking** [ZF06]. **SHS** [Ano08, Ano12, NIS93, Nat92]. **SIAM** [ACM94d, SDA90, SDA91, ACM97a, ACM05, ACM08a, Kar98, Mat09, Shr00]. **Sichere** [BN85]. **Side** [GO07, GSL17, TC04]. **SIFT** [MMG10]. **SIGACT** [ACM82, ACM83a, ACM83b, ACM85b, ACM86a, ACM88a, ACM89b, ACM89a, Van10, LL08]. **SIGACT-SIGMOD** [ACM83a, ACM83b, ACM85b, ACM86a]. **SIGACT-SIGMOD-SIGART** [ACM88a, ACM89b, ACM89a]. **SIGNAL** [A+90]. **SIGART** [ACM88a, ACM89b, ACM89a, Van10, LL08]. **SIGCSE** [LC86]. **SIGIR** [BIP92, YR87, BV89]. **SIGMOD** [ACM82, ACM83a, ACM83b, ACM85b, ACM86a, ACM88a, ACM89b, ACM89a, BJ93, CLM89, FMA02, GMJ90, Van10, HF13, LL08, Nav85, SW94b, Sto92, ACM81, ACM84a, BL88, HF13, Lie81, SW94a]. **SIGMOD-SIGACT-SIGART** [Van10, LL08]. **SIGMOD/PODS** [HF13]. **SIGMOD/PODS’13** [HF13]. **Sign** [CK12, GH99, PV07, GK12a]. **Signature** [ANS05, Ano09a, Ano13, BDS09, CS91, Cor02, Dam87, FC87a, FC87b, HHL10, Hill13, Kal01, LR96a, LM95, LL92, N XB13, PWY+13, RZ90, RR92, ZRT91, ZJ09, CR89, Con17, SE21, ZW05]. **Signatured** [SS83]. **Signatures** [AS16, BHH+15, But17, CK12, DK09, FL04, FFGG07, GK12a, GHR99, Hill13, HRS16, HBG+17, MKF+16, MCF17, Moh11, MKAA17, PW93, PGV03f, RR92, Ru93, TT82, CN18, NS09, PP016, ST93]. **Signed** [Sch01b, ZDI+15, SN19]. **Significance** [SP21]. **significant** [BCCL10]. **signing** [BGG94]. **SIGPLAN** [ACM79]. **Silbentrennung** [BN85]. **SIMD** [AT91, RG89]. **SIMD-MIMD** [RG89]. **Simhash** [LLD18]. **Simhash-Based** [LLD18]. **Similar** [RC94]. **similarities** [UCFL08]. **Similarity** [GMT99, HCF95, LNS11, LOO91, NADY20, NNA12, SHZ20, TWZ11, WSZ+16, YT706, CLL+14, GP08, HYK90, SP12, SA17, STS+13, ZWT+14]. **Similarity-Preserving** [SHZ20]. **Simple** [BPZ07, Cic80b, DH01, DS09c, GM94, GM98, IT93, KM08, Lom88, PSSC17, PT12a, Ram92, Sar10, Tho13, CLS95, DKR16, DW03, DS09b, DLM07, MV08, PT11a, Pri95, SKD15, SF88]. **Simplicity** [Rag93]. **Simplifies** [OVY94b, OVY94a]. **Simplify** [Dam93, Dam94]. **simplifying** [VZ12]. **Simulating** [adH93, Mey93]. **Simulation** [EK93, Hill82, Hu00, KLadH93, KLM96, KHW91a, YKW93, KHW91b, TWL+18, War14, DS84a]. **Simulation-Based** [EK93]. **Simulations** [CadHS00, DadH92, Lep98, Rev14, MSS96]. **Simultaneously** [LOY00]. **Sindhi** [SS83]. **Sino** [PPS21]. **Singapore** [SD84]. **Single** [AKS78, AA79b, AA79a, CS93a, CC88b, GIS05, Lar82c, Lar82d, Lar85c, LLD+16]
Men12, MJBD11, OT91, Spr77, YDT83, YSEL09, Men17, MA15, RT89.

spatio [CWC10, DMPP06, FXWW17].
spatio-temporal [CWC10, FXWW17].
speaking [LC95]. Special
[ACM82, DT87, Dos78a, GIS05, MO92a].
specialization [SV15a]. Specialized
[Bab79, ISH+91]. Specific
[RTK12, ARH+18, JDW+19].
Specifications [Nat92]. Specified [AU79].
Specifying [GH+93]. Spectral
[KKC12, Li15, WFT12, WB90, ZWT+14].
Speech [CW09, RJK79]. Speed
[FP98a, KMM+06, KMK89a, PSR90, TK88, WZY+18, YNKM89, BCCL10, EVF06, MCK89b, MSS96, RW07, SLC+07, SXLL08, TLLL07, XMLC11].
Speeding [FH96]. Speicher [GN80].
Speicherstrukturen [Kue84a].
Speichertechniken [LS85]. Speicherung
[BJMM94b, BJMM94a].
Speicherungsstrukturen [Kue83].
Speicherverfahren [DS84a]. Spelling
[CS82, McI82, Rad83, Zam80, MF82, Wie86].
spieziellen [Dos78a]. SPHINCS [BHH+15].
Spiral [CK94, Mul85]. Split
[LL85, MS88b, SS06, SHe78, Wog89].
Split-lived [SS06]. splits [BY89].
Splittable [CP13]. Splitting
[DR09, RT87b, Vek85]. Spoken [KRRH84].
Sponge [ARH+18, BDPV07, AMP12, BDPV08, BDP11, BDPV12].
Sponge-specific [ARH+18]. sponget
[BKL+11]. spongy [RS14]. sponsored
[Fis87, HB93, IEE84]. spots [KLL+97].
Spotting [FLF11]. Sprache [BN85]. SPRC
[Wok93a]. Spraying [KO90]. Spring
[AFI63, IEE88a]. Springs [IEE11b]. Spritz
Square [ACM89a, ACM89b, EPR99].
Squares [OG94b]. squaring [Me95].
SRAM [KHK15]. SRAM/DRAM
[KHK15]. SRS [SWQ+14]. SSD [HGG+12].
SSPIN [Cob94]. St [Vau06]. Stability
[CW09]. stable [HF91]. Stack
[Bor84, KKH91a, LLL+16, KKH91b].
STACS [AH03]. Stage [LCM+20, QZD+18].
STAIRS [RCF11]. stamped [GB17].
Stamping [Cip93, Lip02, SL16]. Standard
[Ano93b, Ano95b, Ano08, Ano09a, Ano12, Ano13, Dan13, FIP93, IXY+19, NIS93, Nat95, NIS15, SK05, CV83a, GVR08, Nam86, Ano02, Dan13, FIP02b, Nat92, Pla98, Lut88].
Standards [Bu06, Fox91, Kal03]. Stash
[ADW12, ADW14, KMW08, KM10].
State [But17, CH94, HB93, MKF+16, Pre97b, Pre99, Wo93b, vdp73, ATAK07, HL94, PV93c, WOl93a].
Stateful [NTY12, Ged14]. Stateless
[BHH+15, MKKA17, NTY12].
Stateless/Stateful [NTY12]. Static
[AA79s, AA79a, LC88, Ram92, Spr77, DMP09]. Statistical
[Fil02, HZ86, Sav90, TTY93, LZ06, MJ08].
Statistically [HR07, Wee07].
Statistically-hiding [HR07]. Statistics
[Rob86, WGM88, DKRT15]. Status
[TSP+11]. Steady [vdp73, HL94].
steady-state [HL94]. Steering [LLL18].
Step [Dit76, ZW+12, AKY13, WS13].
Step-Reduced [ZWW+12, WS13]. Steps
[HKKK10]. Stereo [ZZ83].
Stereo-Warehouse [ZZ83]. stimulating
[JFD09]. STL [Ben98]. STM [DS10].
STOC [ACM07, ACM88b]. STOC’12
[ACM12]. Stochastic [HKNW07]. stock
[She06]. Stockholm [PV85, Ros74].
Storage [ACM04, Bay74, BMB68, Bre73, Col93, Day70, FL73, Fel87, FB87, FP89b, Fro82, GL82, GL88, HCJC06, HMK20, Hin20, Kno71, HGG+12, LCK11, Les88, LCLX19, LRY+15, MSK96, Mau77, Mau83, MEK+14, Mor68, Mor83b, Mul81, Mul85, Omi88, OT91, OS83a, OS83b, Pet57, Sam81, SHF+17, TY03, TS85, Tra63, WZY+18, WCW+22, WH83, WL71, WKO78, WB87, YDT83, YLZ20, vdp72, vdp73, AY14, AK09, CRS83b, DMB19, HGR07, Mau68, MSS96,
storage-efficiency [PT10b].

Storage-efficient [HCJC06, MSK96].

Store [DW83a, LLL+16, LCM+20, MZL+19, QXL+20, dW83b, SFA+19, Shi17, BP94].

Stores [Bry84, GYW+19, JLL+20, PRRR15, SDZ21, WLC20]. Storing [AL86, FKS84, MNS07, Ros77, TY79].

Stouffer [ACM87]. Strategies [iA91, iA94, BI87, Dae95, Die07, adH90, adH93, KL87, KHT89, MD97, Mey93, MNS07, Tro95, YB95].

Strategy [CdM90, LMSM09, LC96, NKT88, RS92, GC90, LMSM12].

Stream [DC98a, cLmL07, MNS12, NCFK11, TW07, TS85, DS09a, Ged14, MV08, OCGD11, RS14, Tan83]. Streaming [CN07, STS+13, YSW+11, YGS+19, CBB05, FVS12, ZC12].

streamlining [DSS10].

Streams [Coh98, SS83, YGC+12, BMMLC+19, CH09, GGR04, SLC+07, YLC+09].

street [Sim98].

Strength [HS08, FH15, Ken73]. Stretching [BVF12].

String [Av94, Ask05, BRM+09, BH85, Bur84, CPF19, CCH09, Cha91, Dav73, KL14, LLLC17, NNA12, TK88, Tay89, TT82, ASM17, AZ10, Bur82, DC94, GBY90, Kim99, MBK07, RZ97, XMLC11].

String-indexed [Tay89].

Strings [BS97, Dit91, FM96, GLB21, Lit91, Pea90, Pea91, RC94, Sav90, Sav91, Zuk21, Evg90].

Strong [CHKO08, CHKO12, JRPK07, HLL18a, Ku04]. strong-password [Ku04].

Strongly [BG07, LK14, Tho00].

Structural [BRM+09, TWZW11, Wil96, ZMI91, FLF11, MK12, ZBB+06]. structuration [Lit77a].

Structure [AHRS92, CK12, CJC+09].

DGM89, DTF91a, DTF91b, FLF11, Flo77, FB87, GHK91a, GHK91b, Gre21, CTC90, KS12, NIS84, Omi88, SG88, WH83, Wri83, ZHW19, BR75, BGG12, IG94, KR09a, KHH89, LNS96, LCH+14, MMC01, MSK96, SB07, TMB02, YD86b].

Structure-Preserving [CK12].

Structured [CS93b, GDA10, Nak21, Piw85, SG76b, SM87, WWG+18, BPT10, GHW07, WHS+07, WLLG08].

Structures [AHU83, BDD+10, BFR87, Boy98, BJM14, CE70, Coh84, DSZ07a, DSZ07b, DP08, Ell85b, Ell82, Fei88, FZ87, FB92, Fro82, Gon84, GBY91, Gri74, Har88, Har71b, HS84, Kru84, LC86a, LRY78, LRY80, Lit84, MO92a, RW73, Sal88, SDW14, SW86, Sne92, Ste82, SW87, TA81, TA86, TGL+97, TS76, TS84, VL87, WS76, WK07, Wir86, YLB90, ZLLD18, BY89, CRS83b, FP89a, GJM02, Har73, HM03, Inc81, IGA05, Koe72, Lin96, MTB00, NT01, NM02b, OS88, She06, VL97, Vit01, Wil78, Wil85a, ZKR08].

Structuring [Bay73a]. Studies [Ano93d, GT80, GG80, Yub82]. Study [AR17, BF83, BK07b, Cha84c, Cha85, Cra85, DTS75, DJS80, DHJS83, Ell85b, Gri74, Hil78b, Hil78a, LC86a, LG78, LYD71, TL95, YLB90, HM03, LY72, Wee88, WTN07].

style [UCFL08]. Sub [WZY+18, Pri95].

Sub-Datasets [WZY+18], sub-quadratic [Pri95]. Subgraph [ZLY+12, WLLG08].

sublinear [CFN18]. Subquadratic [Val15].

subscribe [MJ14]. Subscripts [Atk75, vdSDW74b, vdSdW74a]. subset [IN89, Mon19, Pri95].

Subspace [KRJ+80, Sch11].

Substring [Boo73, Har71a, MKSIA98].

Subsystem [HLC10]. subtype [Duc08]. subtyping [DL06].

Succinct [ANS10, DP08, RRS07, FS08, SH92, SH94].

Suchen [Meh86].

Suffice [ADW12, ADW14]. Sufficiency [NY85].

Sufficient [BDPV14, IK005, IH95, Rus92, Rus93, Rus95]. suffix [BGKZ12, Kos14].

suffix-free-prefix-free [BGKZ12].

Suitable [PPS21, MZI98]. sum [IN89, Mon19]. summaries [KM08].

Summary [DLH+79], Sums [HJ96, RRS07].

Super [An95d, HLL18a, KO90].

Super-strong [HLL18a]. supercomputers [GLJ11].

Supercomputing
Superimposed [ACM04, IEE90, IEE91a, IEE93, Kha95].
Superior [PT10b]. Superjoin [TRN86].
Supervised [CJ86, FH69, SD85, SDKR87, SDR83b].
Superior [PT10b].
Superjoin [TRN86].
Superspecial [CDS20]. Supertree [GB10].
Supervised [CLL14]. Supplement [SC77, Ruc15].
Supplementary [PLKS07]. Support [CN07, Eng94, GSL17, KJC11, SK99, YCRY93, JMHO2, KLSV12, LCRY93].
Supporting [CLS12].
SURF [YCJ12]. Surface [Leb87, LDY16].
Surprising [SKD15]. Surrogate [BCH87].
Surrogates [Dee82]. Surveillance [CZ17, CJ19, Kal93, Sev74, Mil99, RAL07, UPV11].
Survey [CZ17, CJ19, Kal93, Sev74, Mil99, RAL07, UPV11]. SUSE [PT10b].
Symbol [CL83, Bat65, GJR79]. Symbolic [ACM94b, CLD82, DL80, FH96, Jen76, Lev90, Kan91, Kan93, Ng79]. Symbols [Wil59].
Symmetric [FW09, Fil02, HC13, NHS84, Oto85b, PQ98, PQ99, QG89, QG90, Roe94, SK20].
Symmetry [KTN92]. Symposia [Got83]. Symposium [ACM94d, ACM75c, ACM75a, ACM76, ACM77b, ACM79, LFP82, ACM82, ACM83a, ACM83b, ACM84b, ACM85b, ACM86b, ACM86a, ACM87, ACM88a, ACM88b, ACM89b, ACM89a, ACM89c, SDA90, ACM90, ACM91c, ACM91d, SDA91, ACM91e, ACM94b, ACM96, ACM97a, ACM97b, ACM98, ACM01, ACM02, ACM03a, ACM05, ACM08a, ACM08b, ACM11, ACM12, AH03, Ano10, A+90, AiNOW11, BW92, Co93, CHK06, EF12, Gol94, Van10, adHMR93, HL91, HF13, IEE74, IEE76, IEE80b, IEE82, IEE84, IE85a, IEE88c, IEE89, IEE91b, IEE92b, IEE99, IEE05, IEE06, IEE07, IEE10, IEE11b, IEE13, Jaj90, Jen76, Lak96, LL08, Lev95, LCS06b, Mat09, MS05, Ng79, ACM77a, Shm00, WGM88, Win78, Wol93a, Wol93b, vdHvH12, ACM91a, FS09, Fis87, HMO8, HKNW07, Kar98, IEE82].
Symssc [Jen76]. Synchronization [Oak98].
synchronizing [DTM+18, ML95].
Syndicate [HM19]. Syndrome [vMG12].
Syndrome-Based [vMG12]. synergy [GHW07]. Synonym [QCH+81]. synopses [YLC+09]. Syntactic [Ven86]. synthesis [Sab94]. synthetic [GL08, PGV93e, PGV94]. Syracuse [IEE80b]. System [ASWD18, Ano10, BGF88, BG92, CBK83, Cer85, CK85, HCL+20, HGH+12, LYX+19, Luh58, Mil85, MK93, MFK+06, PRZ99, PSR90, QXL+20, Sar80, SBS16, SPB88, SC77, TC93, YkWY83, ZZM17, ZZ83, AS09, CZ14, Gob75, HLL18a, KJS17, Kos14, MFES04, WM93, YMI89, ZCZQ19, ZYWM20].
Systematic [SSaS01]. Systems [ACM82, ACM83a, ACM83b, ACM85b, ACM86a, ACM87, ACM88a, ACM89b, ACM89a, DFI91, And91, ANT85, BˇSH12, Bor81, Cer81, CS83b, CC87, Col93, DKO+84b, DKO+84c, DKO84a, Dum56, DGKK12, Ell82, Fox91, FK84, GGY+19, GI12, GLLL17, Gro86, Van10, Han90, HCKW90, Har88, HNK20, HBL+10, HF13, Kim80, Ks12, Kcb81, Kue84b, Kum89a, LYY+18, LC86a, LL08, LLD+17, LXL+19, LCL+20, Llo81, LSZ+21, Man12, Mek+14, Mor83a, Ouk83, PFM+09, PG17, Sha86, She91, SHF+17, SWTX18, Toy86, Ull82, Web72, WB03, Yam85, YLB90, ZJM94b, ZH18, dKC94, ACM94c, AKN12, ARA94, DKO+84d, DAC+13, FP89a, FES09, GPGO16, KKP92, Lia95, Mo92b, RW07, Sk88, SGK09, SP89, TL93, Uiy10, WZ12, WTN07, ZGG05, ZJM94a, ZJM94c, SC77, Sto88].
systolic [EBD91, PjM88, PBJM90].

T3D [DS97]. Tabellen [BI87]. Table [AL86, Bat75, BRM+09, Bee99, Bur75a,
ICD88, ICD90. **TPM** [WYD+18].
[Yan05]. TX
[USE91, ACM87, ARA94, IEE94a]. Type
[KPS92, KRJ09a, TNS20, SF88, SG16, SV18]. Type-based
[KRJ09a]. Type-Graphs
[KPS92]. type-heterogeneous [SV18].
Types [EjKMP80, Hej89, Rog19b, SW87,
Wal88, LPSW03, NMS+08]. TYPHOON
[HKW05]. typing [DMP09].

Überlegungen [Kue84a]. Uebersicht
[Mer72]. UK
[AOV+99, Boy95b, Dav91, Gol96]. UL
[DSS17]. Ultra
[QXL+20, WZJS10, YBQZ18]. Ultra-Fast
[YBQZ18]. Ultra-Low-Latency [QXL+20].
ocertain [BZZ12]. Undergraduate
[Tro92]. Undergraduates [Pag06].
Understanding [Dun89a, Dun89b].
Unequal [Gon80]. Unequal-Probability
[Gon80]. unicast [ATAKS07]. unicorn
[LW17]. Unification [Büt86, Cra85].
Unified [JVM16, Mul84a, Mul84b, ABO+17, BOY11].

Uniform [ABH+73, AT93, Gui89, Kie85, KS86, KS87b,
Lar83, Leb87, LQZJ14, LPP91, LPP92,
Mal77, OP03, PP08, PCK95, Ruž08, UHT95,
Yao85b, Ald87, AT90, MC89, Rad92].
Uniform-Grid [Leb87]. uniformly
[MLP07]. Unifying [BG80, BG82]. Unique
[Boo74, DLH09, DLH13, SD78, ASW87].
Uniqueness [Kah92]. Unit [BC90, H072].
United [ACM94b, JB94]. Units
[LLLC17, WB87, SF88]. Universal
[Abi12, AS96, BKST18, Bié97, Bra09, CW77a,
CW77b, CW79, CJKK19, CS02, Dad90,
DadH92, Die96, DS09c, EPR99, Für88, GC95,
HHR+10, HJ96, JCK+18, Kil01, KR01, KL14,
MNT90, MCW78, Mhe82, Mul91, Nae95,
NY89b, NY89a, NP99, NR12, Ram88b, Sar80,
Sho96, Sho00a, Sie04, Sti91, Sti94a, Sti94b,
Woe01, van94, ACP10, Bié95, DS09b, IIL17,
KYS05, KL96, KR06, LK16, LC13, MNT93,
Sar11, Sar13, Sie89, Tho00, Woe05, Woe06a].
universality [SS89a]. universe
[Bra09, Wen92]. Universes [DS09c].
Universitat [CTC90, Dit76]. Universiteit
[BBD09b]. University [ACM81, IJW89,
CCC89, CR83a, HB93, IEE74, Jäh90, Lie81,
Oxb86, Pat90, Sch82a, Dit76]. universum
[Wenn92]. UNIX [SY91, WG00]. Unknown
[LCL+20]. Unlabeled [GCMG15]. unleash
[McN03]. Unlimp [Kah92]. unsafe [Con17].
unsigned [BCS89]. Unstructured
[Gon83, PFM+09]. Unsupervised
[CJ20, PKW09]. Untersuchung [Stu82].
Unveiling [WZY+18, BCL10]. UOWHFs
[BR97]. updatable [ZYWM20]. Update
[An95a, GO07, GGR04]. Updates
[LCLX19]. Upon
[CS83b, Cha84b, CS87, CW91]. Upper
[DKM+88, DKM+94, GadHW96, DKM+91].
URAL [GT63]. URLs [AY14]. urn
[Ram87]. USA
[ACM03a, ACM07, BD88, Be100, Bra84, Bra93,
BD08, Cop95b, Deb03, DJN09, FNY92,
Fra94, Fre90, Van10, GSW98, Joy03, Ker75,
Kil05, Lom93, Sho95, Sho93, Sho95, Wie99,
Yum02, ACM94d, ACM11, ACM12, FAMA02,
HF13, IC86, ICD86, ICD87, ICD88, IEE88b,
IC90, IEE01, IEE02, IEE05, IEE10, IEE11b,
IEE13, MS05, USE91, USE00a, USE00b].
Usability [BDS88, Sch82a]. Use
[ACM75b, AT18, Bal05, BK84, Bra81, Bra84a,
Bra85, Bra86, BC90, Gur73, NR12, Rad70, WSC1,
Er86, adHMR93, RK15, Vak85, YIAS89].
Used [Stu85, GS94, Sch91a]. USENIX
[USE91, USE00b, USE90]. User
[RTK12, YY07, Bor81, DFMR15, HL12,
LLLH02, LKY04, YRY04]. Using
[ANS97, ASW07, BSD97, Bar97,
BRM+09, BCK96b, Bor84, BÖ511, BM90b,
BI12, BT54a, BT94b, BM01, BT12b,
BMLLC+19, CP95a, CRdPH12, CKB85,
CdM89, CdM90, CLYY92, CCW+17,
CJC+99, CJKK19, Cle84, CD84b, CE70,
CRR18, CY06, DLT98, Dav73, DK07,
Dod82, DL12, DSSW90a, DGKK12,
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