A Complete Bibliography of Publications in *ACM Transactions on Programming Languages and Systems (TOPLAS)*

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**Title word cross-reference**

\[ k \quad [ADGM91, BL94b, KM81]. 2 \quad [Dam03]. 3 \]

\[ [SRW02], ^+ [Han81a], ^{TM} [Bla03], ^{-} [AW82]. \]
\[ II [DDDGC02], \ A [DES12], \ R [JMSY92], \]
\[ R_{Lin} [VR95], \ \ell [ADG+94], \ O(n \log n) \]
\[ [Pet82], \ \phi [CF95, DR05], \ \pi [ABL03]. \]
Automatic
[AKNP17, AK87, Ano02a, BBC16, Cat80, CES86, DS90, KK98, Le 88, LK02, LS04, MS83, PJ05, RH87, SSS81, SLC03, She91, VS22, Wha94, ABHI11, ATD08, BallBH99, CRN+08, ZCG+07].

Automatically [Slo95].

Automating [GKL94, MTSS09].

Avoidance [FGL94].

Aware [BPRB23, MQ05].

Axiomatic [AR80, App94a, Boe85, Sou84, YB87, YB88, LP80].

Axioms [Mis86].

B [Han81a].

Backpropagator [PS08].

Backtracking [Lin79, VR95, FM87a].

Backward [DL18, Mye18].

Balanced [AS80, PB80, vHK00].

Barrier [CHMY19].

Base [NcS20, LS98].

Based [BPP16, BGL93, Bur90a, CGJ+97a, CI84, CP95, CH90, CPS93, DVLM15, DLR16, EGP14, GG85, JTM98, KR79, LFF14, PW98, RTD83, SR95, SGL98, Ste18, SNS+14, TY18, Wat94, WGS92, vPS81, BFG08, BM01, BM07, BCG+07, CTT07, DDV99, Evg07, FF99, HB98, JKT23, KBC+99, KK07, KC01, LP00, LH08, LGAT00, ML21, MTK21, MH06, Pal98, PPT08, PCJD08, SP97, SP07, SMP10, SYN06, BDP14, WGS93, WM12].

Basic [CGG+19, GLR83].

Bayesian [HOYY18].

BDD [LH08].

BDD-based [LH08].

Be [Bee94, Coh91, Wir91, CG04, LP99].

Behavior [KLS92, GMM99, VBLG04].

Behavioral [LN15, LW94].

Behavioural [SV20].

Being [Cop94].

benefits [GMP+00].

Better [Gri79, Lam88].

between [BS88].

Beyond [GWS95].

BI [BTS07].

BI-hyperdoctrines [BBTS07].

Bisimulation [FY12, MH06, San09].

bisimulation-based [MH06].

Bisimulations [SV19, SKS11].

Bit [CDK+18, KD94, KK07].

Bit-Precise [CDK+18].

bitvector [KSV96].

Bliss [GNS+15].

Block [LS81, Mur91].

Block-Structured [LS81].

Blockchain [COE+20].

Blocked [FTJ95].

Blocks [Jag94].

Boolean [XA07].

Bootstrapping [App94a].

Borrowing [Pea21].

Both [KZC15].

bottlenecks [RD03].

Bottom [BGL93, GCRN11].

Bottom-Up [BGL93, GCRN11].

bound [KK07, NI05].

Bounded [ADG+94, ITF+22, MXZ+22, LLOY23].

Bounds [CP17, FNBG20, ISIRS22, PW94, BP12, CEI+07, RR05, SS05a].

Box [WLBF16].

boxed [BCC04].

Branch [CGJ+97a, CEG07, YUW02, YS99].

Branches [WZ91, RC03].

Branching [CBMO19].

Broad [DAW88].

Buddy [Kan84].

Buffer [Zic94].

bugs [HCS10].

Building [Jag94].

BURLS [Pro95].

Bus [Pur94].

Bytecode [SA99, BDL+08, CSM00, FM99, GPF08, KR01, Qia00, SMP10, WR08].

Byzantine [LSP82].

'C [PHEK99, BR97, HSS+14, MRGP20, ND16, PKH07, PFH11, Ven95].

C# [BCF04].

C/C [ND16].

C11 [JP17].

Cache [GMM99, KLS92, MMM+07, SS96, VBLG04].

Caching [ABM93, FK85, KS86, LST98].

Calculational [Bou06].

calculi [ABS09].

Calculus [ABLP93, BKL+97, BN94, Gom92, Kc98, LBTTT22, Mis19, MRG88, Neh89, Oho95, WM95, AB22, BBN05, BMM04, DES12, HR02, IPW01, Jay04, TA08a].

Call [DP97, GL80, dBH21, GC01, HH05, SW97a].

Call-by-Value [dBH21, HL05, SW97a].

Calls [BN18, CBT08, CBT08, FDF08].

Can [Boe85, Coh91, Wir91, CG04].

Capabilities [SDB20, WCM00].

capability [TA08a].

Capturing [BGOL+23].

Carlo [FL15].

Carrying [AM01].

Case
PE08, PHEK99, SYK+05, VHKO02.
Compiler-Driven [YBL16].
Compiler-Level [BPRB23]. Compilers [BDFH97, DDH84, HP96, Han94, BGKR09, RD97, SYN06]. Compiling [Cha93, CH87, Fis80, Set83, VHKO02].

Compiler-Driven [YBL16].
Compiler-Level [BPRB23]. Compilers [BDFH97, DDH84, HP96, Han94, BGKR09, RD97, SYN06]. Compiling [Cha93, CH87, Fis80, Set83, VHKO02].

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Compiler-Driven [YBL16].
Compiler-Level [BPRB23]. Compilers [BDFH97, DDH84, HP96, Han94, BGKR09, RD97, SYN06]. Compiling [Cha93, CH87, Fis80, Set83, VHKO02].
Continuation [BDM15, Wan82].
Continuation-Passing [BDM15].
Continuations [BDM15, HF87].


Corrigendum [Ano18, BKRW05, DF81, Fra80a, KS89, Lam80, Pur91, QG95, TGT20, Van96a, Wat81, WGS93]. Cost [AB81, Bac84, DL93, Hai98, Han81a, ZGZ05, VALG05]. Cost-optimal [Hai98]. costs [GMP+00]. Counting [Bal94, LP06].


D. [Bur91]. Data [AMT14, ANP89, AM85, Bac84, BNN22, BC85b, BL87, Bur90a, Cha93, CS87, Deb89, DP93, DD85, ELL82, EO80, FL81, GM81, GEGP17, HL82, Her93, Hess88, Holi87, Jen97, JCO19, KH92, Lam83, KZ15, KK98, KD94, LaL89, LO94, LN02, LVRG21, Loc87, Mal82, MMR95, MCT96, PFP91, QG95, RCR95, RP88, SSS81, Suf95, SGL98, SM81, TWW82, WLL85, Wei89, Wei90, Wet82, Wey83, CFP+04, DSH97, HBJ98, KBC+99, KO02, LK07, SP07, VALG05, YWU02, ZGZ05, Pur91].

data-centric [DMM+12]. Data-Driven [BL87, CS87, JCO19]. Data-Flow [BC85b, Bur90a, Wet82, RP88, KBC+99].

data-independence [Rep00].

data-member [KF00]. Data-Parallel [Cha93, HBJ98]. Database [Bar85, CB80].

Databases [SR21]. Dataflow [Deg95, DFR15, MWB94, SS13, SS96, Van96a, Van96b, VHM+01]. datalog [LGS09, ZSS20]. datatypes [MBC04].


Debugging [CMN91, CM93, Cop94, Hen82, WST85, ZSS20]. Decentralized [RKW+23].

Decidable [LB22]. Deciding [GL15].

Decision [MTG80, NO79].

decisions [MTSS09]. Declarative [ABPS98, TCVB14, Bon05, MME+10].
Decomposition [BB94]. Decomposing [BDL+08]. decomposition [LK02].
decrease [LDK+96]. Deducing [TB95].
deduction [LMD98]. Deductive [MW80].
Deep [YW22]. Default [SNS+14, LMM21].
definite [Wal92, BWP87, CI84, CD79, Fid93, HS94, WCD90, WCD91, Wol94].
Definition [Bou92, BWP87, CI84, CD79, Fid93, HS94, WCD90, WCD91, Wol94].
Definition-Use [HS94]. Definitions [BS86, Wal82, BM02, Si89].
Delay [BG89b]. Delayed [KPF95, RC03].
Delayed-Load [KPF95]. Delaying [Kau84].
Deleting [GP81]. Delimited [BDJ15].
Demand [FPS19, GSW95, PA85, PA86a, PA86b, PF96, SR95, DG97].
Demand-Driven [GSP89, WA91, MF92, Han94, Set83, SYH97, OKN06].
Demanded [SCH94, MBS94, MBS95, SDR95].
Demining [KPF95]. Depiction [HBS22, CSS99].
Dependence [BKB80, Cat80, DSW82, Gie93, HIT97, Kna90, TM93, Ano92a].
Dependence-Based [ML21]. Dependencies [PW94].
Dependency [Deb98, HBS22, CSS99].
Dependent [LS80, Miq94, NBG13, Ode93, RTD83, Rho97].
DeRemer [Sag86]. Derivation [BKB80, Cat80, DSW92, Gie93, HIT97, Kna90, TM93, Ano92a].
Derivative [JKT23].
Deriving [Wan82, Bou96]. Describing [AW85].
Descriptions [Bou85, BKL+97, Cat80, Ano92a].
Describers [Hol87]. Design [BPP16, BCD+15, BO94, DF80, DF81, DC22, FT94, HM84, KKM90, LDM07, ML80, RCS93, RL98, SK9+05, Bou96, MTSS09, CMLC06].
design-pattern-based [MTSS09].
Detection [CM86a, Hua90, MC82a, MC82b, TM93, AFF06, HDH02, PFH11, PCJD08, XA07].
determinism [TA98a].
Development [KK97, YGJ83, DL81, Tar07].
Diagnosis [BF87]. Dialect [Mul92]. Dialects [CP95].
dialogue [BCM09]. DIB [FM87a].
difference [BA98]. Differenting [PK82, RSL10]. Differential [BKOZ13, TDA+13, ZP07].
Differentiation [SHA82, VS22]. Diffusing [MC82b].
Dijkstra [BN94, Ne98].
Dimensional [Hil88, GPWZ08]. direct [YK97].
Directed [BDJ13, DMM88, Gud92, Han94, Set83, SYH97, OKN06].
Direction [Dar90]. Directly [Hob84].
Directory [KS88, KS98].
Discipline [VMLY22, FGM07b].
Disciplines [SS84]. Discovering [FJK+17].
discovery [PZ90]. Discrete [Bar81].
Discrete-Event [Bar81]. Disintegration [NC20].
Disjunctive [Jen97, JCC99]. dispatch [DAS98, MFRW99]. dispatching [GZ07].
Distance [Wol94, ZSD90].
distribute [CRN+08]. Distributed [ABLP93, AF84, APT86, AW5, BKS88, BCP15, Bur84, CJK95, CM86a, CBDGF95, C9S9, DAW98, Dug99, FLBB99, Fra80b, GHS83, HSG17, Hua90, HM84, Jon94, Kat93, KKM90, LAM84, LS83, MC82a, RCR95, SS84, Sch82, TM93, TCP+17, Zav85, ABLO3, FM87a, HVB+99, KM804, LK02, MDJ05, Piq96, Fra80a, Moh81, VHB+97].
Distributed-Memory [KK98, RCR95].
div [Bou92]. Dive [YW22].
Divergence [SDSCP13].
DJ [DR05, SGL96, SGL98, UM02]. DJ-graphs [UM02]. DLLs [Dug02]. do [SS05a].

Exception-Driven [OKN06]. Exception-Handling [YB85, LS98]. Exceptional [WN08]. Exceptions [ASF17, Han96, LP00]. Exclusion [ADG+94, LH91, ABHH11]. Executable [OB84]. executors [YF09]. eXecute [BR10]. Execution [BNV+21, CS87, Di90, GJ93, JGN10, JS80, SS88, BALP06, GPA+01, TY00, YF98].

First-In [ADG+94]. First-Order [DP97, JPP91, JS94, MPLM23]. Fit [Bres89].

Fixed [SS98]. Fixed-Order [SS98].

Fixpoint [AC94, Qia00]. Flexible [AD98, Hud91, MSM+16, WG98, Wil82b, dJKVS12, IV06, KGMO04]. Floating [CK94, Fat82, SBB+19, Hau96, Mon08].

Floating-Point [CK94, Fat82, SBB+19, Hau96, Mon08]. Flop [MMG00]. Flow [AR80, AD98, ASF17, Bac84, BC85b, Bur90a, DP97, DP93, FJKA06, Hor97, KDF94, MMR95, NBG13, PO95, PP91, PBR+15, Pur91, RSPS23, Set83, SGL98, SS13, Wet82, DGS97, HR02, HY07, KBC+99, Pal98, PS03, RRSY98, RP88, SCP23, TZ07, WJ98].

Flow-Insensitive [Hor97, FJKA06]. Flowback [CMN91]. Flowgraph [LT79].

Flows [Kna90]. Floyd [Yin11]. Fly [CF95, BA84, LP06, PKB+07, URJ18].

Focusing [EKD23]. fold [RRKR04].

Folklore [LY98]. Font [FK85]. Fool [FA93].

ForeC [YGRBA23]. foreign [FF08].

Foreword [Mye17, Mye18]. Form [AK87, BOV85, BM94, CFR+91, GSW95, Pal95, PG21, GP08, KCL+99]. Forma [ZCG+07].

Formal [ADG+21, BS86, BDP14, CB80, CD79, Fid93, Gie83, HHT97, Kna90, Lee86, Mal82, MH86, SSFZ+23, Sha82, WP10].

Formalism [Pea21]. Formalisms [PCCS85].

Formalization [BPP16]. Formally [SP97].


Fortran [AK87, DP99].

Foundation [KRR18, Ban11, RAB+07, Rhi03].

Foundational [HRV+23, AM01].

Foundations [GTWA14, LW93, AAR+10].

Fractal [MPP03]. fractional [Boy10].

Frames [MPLM23, SJP12]. Framework [BGL93, Gie83, HRV+23, JW17, KRR18, NSZS13, NSTD+15, OHL+14, SGL98, TN19, ATD08, DGS97, GMM99, GZ04, GC01, Leu04, PS08, RKRR04, TP04, VBLG04, XA07, ZCG+07, ZP10, vHK00].

Frameworks [MMR95, KK07].

Frameworks [MMR95, KK07]. Framing [BNN18, BNN22].

Franchise [Frap81, Moh81, Mio83].

Free [AP94, GEK17, GHR80, Her91, Kav84, Koa98, Pad19, JJD89, KPB22, KSV96].

freedom [KS10]. Fresh [GMN+21].

Frontiers [Ano02b]. full [GB99]. Fully [JPP91, TY21]. function [DR05, FF08].

Functional [AFV98, Ban87, Blg94, Bov05, Bw84, DW89, FL91, ISY88, JPP91, WM05, Web95, Wil82a, ABH06, Bov06, DWW08, DF08, PS08, San96, SP97].

Functions [AKP94, AK82, Bov92, PB80, SM89, TY21, Lee09, MBC04, MB99, MT08, PPT08].

Further [CM93]. Fusion [JB20, LGAT00].

Fusion-based [LGAT00].

G. [Tie88]. Garbage [BA84, CN83, DSW82, ISY88, JCMC91, TM93, URF18, WLBF16, Wis79, YW22, BbY99, Bp06, HH02, LP06, Pi96, TSB08].

Garnet [VH9+01].

General [BGL93, CHERMY19, HSS+14].

General-Purpose [HSS+14].

Generalization [Nel89, LMD98].

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Generalizing [DB85]. Generals [LSP82].

Generate [Son87]. Generated [Slo95, dJKVS12].

Generating [HBM+06, HT86, Jef03, LR13, JNZ06].

Generation [AGT89, AS80, BOV85, BM94, DS83, DSN92, GB85, GCV15, HKR92, HKR94, Pro95, Re83, Rob80, She91, ST00b, U92, DAS98, MSRR00, PHEK99].

Generative [Ge85]. Generator [JKT23, PPS79].

Generators [Cat80, GHK81].

General [LV94, DDM11].

generics [IV96].

Geometry [CR87].

Geoffrey [NN86].

GJ [IPW01].

Glanville [MSRR00].

Global [Bac84, Dha91, GHH+96, OHL+14, PK80, PS92, Sch85, Sor89, dHB+96, CS04, KBC+99, DS88].

Globally [DHH+24].

GLR [SJ06].

Goal
Goal-Directed [Dar90, Gud92, SYYH07]. Goal-Oriented [Dar90].
Goto [CF94]. GPU [BCD+15]. Gradual [TGT18, TGT20]. Gradualizing [LBMTT22]. Graham [MSRR00]. Graham-Glanville [MSRR00]. Grained [HL22, PBR+15, DSFG21, DNS+06].
Hardware [BKL+97, Mis86]. Hare [Dan23]. harmful [Gor04]. Hashing [PB80, Duc08]. Haskell [GRSK+11, HHPW96]. Heap [KSK07, BALP06, KF00, YS10]. heap-manipulating [YS10]. Heavily [BG89a]. Hennessy [CM93, WST85]. Herding [AMT14]. Heuristic [SL92]. hiding [LN02, OYR09]. hierarchic [AG04]. Hierarchical [BA99, CP95, CD79, Ay01, CP96]. hierarchically [MBC04]. hierarchies [ST00a, Van96a, Van96b]. hierarchy [KF00].
High [Cam89, Fat82, MSM+16, URJ18, CSM03, VWJB10]. High-Level [Cam89, Fat82, CMS03, VWJB10].
High-Performance [URJ18]. Higher [AC94, AD98, CJK95, DJP+16, FPS19, SV19, BBTS07, DF11, SKS11, SP97]. Higher-Order [AC94, AD98, CJK95, DJP+16, FPS19, SV19, BBTS07, DF11, SKS11, SP97].
Iterative
[Ans87, Par90, DR05, JNGG10, LS04].

Jade [RL98]. Jam [ALZ03]. Java
[AFF06, ALZ03, AAD07, BH05a, Bla03, BALP06, CGS+03, CMS03, CSCM00, FFLQ08, FM99, GF08, IPW01, KKN06, KGM004, KN06, KR01, LST02, LP06, LS08, Loc13, MME+10, MMG00, NRS06, OKN06, Qia00, RRB19, SLC03, SML10, SBE+19, SA99, SYK+05, TN19, TSL+02, WR08]. Java-like [KN06].

JavaCOP [MME+10]. JavaGI [WT11].

Join [WKD04]. JR [KGMO04]. Jump
[LS80, RS84a].

Just [DLR16, TN19, SYK+05]. Just-In-Time
[TN19, DLR16, SYK+05]. JVM [HO07].

KaffeOS [BH05a]. Kaiser [Tic88]. Kernels
[BCD+15, ATD08]. Keys [PB80]. Kilbury
[Lei90]. Kitsune [HSS+14]. Kleene [Koz97].

Knot [MC82a]. knowledge [GLMM05].

Labels [Sto04]. Laboratory [Bor81].

LaLonde [Heu83, LaL83]. LALR
[DP82, KM81, PCC85]. Lambda
[Geo84, Gom92, NN86, PS08]. Laminar
[PBR+15]. Lamport [Ang89, Pet83b].

Language
[ACPP91, AOC+88, Ano18, ABPS09, BS86, BPP16, BO94, Bor81, BC91, DVLM15, Fat82, Fea87, FFF+18, GSS+18, Gu92, Hal85, HSG17, JMSY92, JPP91, Kístico91, LVRG21, McG82, Per79, PPS79, RTD83, RCS93, RKW+23, Spo86, SNS+14, SSD21, Tur84, Wet82, Win87, YS91, YB87, dJKV12, van88, Bou05, BS-GF03, CPF+04, DWWW08, DF08, FM99, Gro06, HBJ98, KN06, LP99, MF09, MWC09, PPT08, PHEK99, Tra08, VHH002, HCW82, YB88].

Language-Based [Kístico91, RTD83].

Languages

Large [HL22]. Large-scale [ZSS20].

Lattices [AKBLN89, MMR95, FM99, Gro06, HBJ98, KN06, LP99, MF09, MWCG99, PPT08, PHEK99, Tra08, VHKO02, HCW82, YB88].

Lazarus [Win87].

Large [GLR83, HSD22, MK94, MH86, WCW90, WCW91, ZSS20].

LAM [BH94b, BL94b, FKW98, PS99, RS84a, TDA+23, YR94, BKRW98, BKRW05, FMP011, KBC+99, Ram99, Rep98, RM10].

Linear-Time [YR94, BKRW98, BKRW05].

Linearizability [KPT95].

Linear Time [HL22]. Linearization [SCP23].

Linguistic [LS83, We90, FGM+07a]. Link
[DDD05]. Link-time [DDD05]. Linking
[QL91, Dug02]. LIPS [CDFP89].

LISP [GCRN11].

Live [MWB94]. Liveness
[ACW90, GC86, OL82, RY88, HDH02].

Live-Structure [MWB94]. Load
[KF95].

Linguistic
[HKR92, SJW23]. libraries [Dug02]. LIFE
[AKP94]. lifetime [HB+06]. Lifetimes
[Pee21]. Lightweight [Pee21, SW97b]. Like
[Hua90, KN06]. Limitations [CP17].

Linchpin [BGH+13]. Linda [Gel85]. Line

Lessons [URJ18, VHM+01]. Let
[LY98].

Let-Polymorphic
[LY98]. Level
[BPR23, Cam89, Fat82, GF95, YBL16, CMS03, VVJB10].

Lexical
[HKR92, SJW23]. libraries [Dug02]. LIFE
[AKP94]. lifetime [HB+06]. Lifetimes
[Pee21]. Lightweight [Pee21, SW97b]. Like
[Hua90, KN06]. Limitations [CP17].

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Linguistic [LS83, We90, FGM+07a]. Link
[DDD05]. Link-time [DDD05]. Linking
[QL91, Dug02]. LIPS [CDFP89].

LISP [GCRN11].

Live [MWB94]. Liveness
[ACW90, GC86, OL82, RY88, HDH02].

Live-Structure [MWB94]. Load
[KF95].
Local [HMY+24]. Local-1st [HMY+24]. Locality [BAC16, MCT96, VALG05, ZSD09]. Locality [AB81, Bac84, DHH+24, Min84]. locating [JNGG10]. Locator [ZMVPJ17]. Lock [GEGP17, KS10]. Lock-Free [GEGP17]. Lock-freedom [KS10]. locking [AFF06]. LOCKSMITH [PFH11]. Logic [AS89, AFV98, Apt81, BNNN22, BGL93, BL87, BCD90, BDJ13, BMPT94, CS04, CES86, CFM94, DW89, Deb97, Deb95, DJP+16, JPP91, Kar84, LSS8, Lam94, MW84, MSJ94, MMG92, MPLM23, PZ22, SS98, Sok87, TK94, TB95, dBH21, BBTS07, BdlBH99, CU08, CG86, CSS99, DDV99, DPP00, GB9+96, GW99, HVB+99, HPM00, KWL09, LMD98, Leu04, PM06, RKR04, SRW02, Yin11, dHB+96]. Logical [BNN18, GGL15, GS98, TY18, RSL10, Tar07]. Look [DP82, GMN+21]. Look-Ahead [DP82]. Lookahead [KM81, MF88]. Loop [BAC16, CS87, MCT96, SIT79, RKK912]. Loops [BAGM12, Boo82, CK94, DB85, FT95, Hav97, Wat91, Ano02b, LS04, LSLR05, Ram99, RDG08, SGL96, UM02]. LoRe [HMY+24]. low [CSCM00]. low-end [CSCM00]. Lower [FNBG20, PW94]. LR [La84, ADGM91, BL94b, BF87, CPR02, DMM08, Jef03, JP17, KC01, LaL81, SS82, ST00b]. LR-based [KC01].


[CRN]+08. Nonsequentiality [Bar81].
Nonstrict [Blo94]. Nonterminating
[ML21]. Nontermination [PM06]. normal
[LMD98]. Normalize [CRN]+08. norms
[BCG]+07. Notation [Rem81, Wil82b].

Note [Com80, CM93, MS88, WST85, Coh85,
Pal11b, YK97]. Notes [Sku95]. Nothing

NP-Hard [Hor97]. NQALR [BS88].
nulled [SJ06]. Number [Ste22]. Numbers
[GLR83]. numeric [Han96].

O [ABPS98, Car95]. Object
[DF84, GMP24, HU96, KH92, Ryu16, Ste22,
WCW90, WCW91, BsVGF03, DMM01,
DCCG02, FM99, GPWZ08, HBM]+06,
PJS+08, LPS004, Pq96, WJS+00.

Object-Based [KH92]. Object-Oriented
[HU96, Ryu16, Ste22, GMP24, BsVGF03,
DMM01, PJS+08, WJS+00]. Objects
[AM85, CJK95, HF87, HW90, Her93, SM98,
VHB+97, Wal80, Wal81, Win84, GPV07,
HB98, KFO0, Sto04, WJS+00, Skn95].

obligations [DSW1]. Observability
[Gaz83]. Observation [LWR21].
Observations [Sha82]. Obsidian
[COE]+20. Occur [AP94].
Occur-Check-Free [AP94]. Octagons
[GMN+21]. Off [SBB+19]. Offline
[CG04, GJ05]. Old [AL94]. Old-Fashioned
[AL94]. Omnissemantics [CEG07].

On-Line [Bal94]. On-The-Fly
[CF95, BA84, URJ88, LPF06, PBK+07]. One
Bak82, BG88b, VHM+01. Onew-Pass
Bak82. one-way [VHM+01]. online
CG04, HVDO07. only [PZ95]. OO
RPSP23. Opacity [GQ95]. OpenJDK
YW23. Operating
[HLH]+23, HM84, BCP08. Operational
[BLRS12, Han94, MO91]. Operations
[AKBLN89, CK94, Lee86, LS79]. Operator
[CCM00, CSV01, Hen83, LDR81].

Operators [Ive79, She91]. Optimal
[BOV85, CGST95, FK85, JCM91, KR94,
Lar95, PB97, Hai98, JNZ06, KSV96,
MSR00]. optimality [CP96]. Optimally
[BL94a]. Optimistic [PM04].

Optimization [PRB23, Bee94, BBC16,
Bla94, BAC16, BT93, DF84, DP97, DHD84,
Dha91, DS88, FOW87, HG83, HOY18,
Pem83, PP94, RBB91, SS82, Sor89, TV82,
Web95, Ass90, BHK07, KBC+99, KFO3,
PE08, TVA07, ZP10, CC95, LA9, ON06].

Optimization-Aware [PRB23].

Optimizations [CC95, JSB+12, CGS+03,
CT86, GMP+00, SYK+05]. optimize
[DMM01, VBLG04]. Optimized
[CM93, Cop94, Hen82, WST85, DS98, UM02].

Optimizer [DF80, FSS83, HRL+23, DF81].
Optimizers [Gie83]. Optimizing
[CEG07, KMM+98, LLO23, LS05, ML08, NSZ13, QR00, BGKR09].

Or-Parallel [GJ93]. orchestration [PE08].
Order [AC94, AD98, Bur84, CJK95, DP97,
DJP+16, JPP91, JS94, SS06, BBTS07, DF11,
FPS19, MPL23, SKS11, SV19, SP97].

Ordering [SH23, GS99]. Organization
[Han81a]. Oriented [Bor81, Dar90, Ell82,
FFF+18, G-talk14, GL94, GS1, HU96,
Ryu16, SM81, Ste22, Tur89, YB87, YB88,
BSVGF03, DWW08, DMM01, GMP24,
PJS+08, WDK04, WP10, WJS+00]. origins
[San09]. OSI [CDP89]. Output
[Ber80, BS33]. overflow [KOE+06].
overhead [BP12, SS96]. overlays [SUW1].

Overload [Bak82]. overloading [SS05].
Overview [AO+88]. ownership
[DDM11, SS96]. Oz [VHB+97].

Package [Hil88]. Paper [GM81]. Parallel
[ANP98, BG22, BOV85, BQ94, BE13,
Cha93, CGST95, CMN91, CL94, DS83,
Fos96, GLO88, GJ93, GPA+01, HCHP92,
HIT97, JF81, Kna90, LHR19, Mis94,
NSZ13, OA88, Rao94, SS98, VMLY22,
YGRB23, BYG+05, CG86, GBB99, HBJ98,
KSV96, LK02, MVY+01, RR03, YF98].

Parallelism [Bur84, GP95, KSV96, NB99,
Parallelization [BAC16, BDJ13, PP94, BdlBH99, HAM+05].
Parallelizing [HP96, ME97, RD97].
Parameter [Gaz83, Zho96].
Parameterization [TWW82].
Parameterized [CGJ97b, CK93, Gaz83, RKSR12].
Parametric [HFC09, MMG92, SRW02, IV06].
Parametricities [DPP22].
Parenthesis [AS80].
Parlog [CG86].
Parsed [Wad90].
Parser [DDH84, JKT23, JP17, LaL84, SS82].
Parsers [BN99, LaL81, MYD95, PK80, CPRT02, SJ06, ST00b].
Parsing [CH87, DMM88, Fis80, GM79, Lar95, RH87, Sam80, SJW23, WG98, KC01].
Part [LaL81, PA85, PA86a, PA86b, Apt81].
Partial [AFV98, CP17, CK93, DS88, Gom92, KCL+99, SCP23, Sor89, ADR06, BP12, CG04, GJ05, LMD98, Leu04, ST00b].
Partially [BLH12, Kob08, VP23, RRSY08].
partially-flow-sensitive [RRSY08].
partitioning [RM07, YF09].
Parts [Son87].
Pascal [LS79].
Pass [Bak82, BM94].
Passing [BDM15, Gaz83, SS84, VMLY22, CSW06, Gor04, Zho96].
Passive [AKP94].
Passport [SSFZ+23].
past [PM09].
Path [Bl04, CIJGP18, SMP10].
path-length [SMP10].
Patient [FFF+18].
Patient-Oriented [FFF+18].
Pattern [EGP14, ADR06, Jay04, MTSS09, Van06].
Pattern-Based [EGP14].
Patterns [GH80].
PDS [Han81b].
PEAK [PE08].
Peephole [DF80, DF81, Pem83, TV82].
PegaSys [MH86].
Pennello [Sag86].
Perfect [Duc08].
Performance [H96, MSM+16, PB80, URJ18, VP23, KF00, PE08].
Performed [Col91, Wir91].
Permission [BPP16, SNS+14].
Permission-Based [BPP16, SNS+14].
permissions [Boy10].
Persistent [AM85].
Petri [JTM98].
Petri-Net-Based [JTM98].
Phases [Bar81].
Philosopher [CM84].
Philosophers [MS88].
Pi [BG22, HR02, KPT99].
Pi-calculus [BG22, HR02, KPT99].
pict [SWU10].
Pictures [MH86].
Pipeline [HG83].
Pipelined [BG89b, LPP01, RDG08].
pipelining [ME97].
pitfalls [Mon08].
PL [CD79, CZ84, FFF+18].
PL/CS [CD79].
PL/CV3 [CZ84].
place [GW99].
Placement [DP93, GS99, vHK00].
Platform [TCP+17].
pluggable [MME+10].
Plurals [Ste22].
Pluto [BAC16].
Point [CK94, Fat82, SBB+19, GJ05, Haut96, Mon08].
Pointer [LTMS20, LHR19, LS79, RR03, SDB20, HBC99, HVDH07, PKH07, RLS+01].
Pointers [SS13, RR05].
Points [GKM20, WKD04].
Points-to [GKM20].
Pointwise [VSS94].
Policies [NBG13, BDFZ09, FGM07b].
Policy [Kro82, Kro83, Kro84, Kro85, Kro86, Kro87, Kro88, Kro89, Kro90, Kro91, Kro92, UJ92, BFG08].
policy-based [BFG08].
Polyhedra [GVC15].
Polyhedral [GVC15, QR00].
POLYLITH [Pur94].
PolyMage [JB20].
Polymorphic [BMR05, Dug99, Gor21, HT04, Hen93, KTU93, LO94, LY98, Oho95, SIG17, SV96, TY21, WJ98, BSvGF03, DWWW08].
Polynomial [Bur90b, MDCB91, HFC09].
polynomial [BAL07, CFC19].
PolyTOIL [BSvGF03].
polyvariance [LMD08].
Polyvariant [AC94, WJ98].
POP [FFF+18].
POP-PL [FFF+18].
Portable [DDH84, Han81b, HK07].
Porting [HLH+23].
Possibly [JP17, ML21].
Postfix [DS83].
Postpass [HG83].
Power [TWW82, SS09].
Powerlist [Mis94].
PPMexe [DKV07].
PQ [GZ05].
PQ-encoding [GZ05].
Practical [AD98, BAC16, BF87, CP17, Dha91, LR19, ND16, PBR+15, SS13, TSL+02, WC97, Bou05, DR05, DVD07, DGS97, JNZ06, PFH11].
Practice [KRS94, Ryu16, Bla03, DRSS96].
Pragmatic [BDH+16].
Pragmatics
[Gom92]. **Pre** [OLH+16]. **Pre-analysis** [OLH+16]. **Precedence** [CMPP23, Hen83, LdrR81]. **Precise** [CDK+18, FJK+17, GKM20, Hor97, TN19, PHP02]. **Precise-yet-efficient** [TN19].

**precision** [ZGZ05]. **Precondition** [Boo82]. **Predicate** [Lam90, BMR05, Bou05, Bou06, MFRW09, MMS96, PR07]. **Predicates** [CBDGF95, Lam88]. **Predictable** [SHB+07, HK07]. **Prediction** [CGJ+97a, CEG07, YS99]. **Predictive** [FJK+17]. **Prepaging** [FK85].

**Prescription** [FFF+18]. **Presence** [AWW95, CF04, KTU93]. **preserving** [DHS09, LST02]. **pretenuring** [BHM+07]. **Pretty** [Chi05]. **Prettyprinter** [Wat83]. **Prettyprinting** [Opp80]. **Principals** [TZ07]. **Principled** [LTMS20]. **Principles** [Bou88, DRSS96]. **Printing** [Chi05]. **Priority** [CH90, Fid93].

**Priority-based** [CH90]. **Prisma** [RKW+23]. **Privacy** [BKGOZB13, LVRG21, TDA+23]. **Privileges** [Min84]. **Probabilistic** [AB20, BKOZB13, CFNHI8, DG19, HSP83, MMS96, OGG+18, Rao94, SV19, BH99, PPT08]. **Problem** [ADG+94, CM84, DS88, Gho93, LSP82, MS88, Pet82, Pet83b, PB97, Sor89, FGM+07a, Wu04]. **Problems** [Bac84, CFNHI8, DP93, MMR95, SRW98].

**Procedural** [HF87, Lin93, VSS94]. **Procedural** [CDK+18, GS99, GL80]. **Procedural-modular** [CDK+18]. **Procedures** [AM85, KAT84, NO79]. **Process** [Kob98, vPS81, WP10]. **Process-oriented** [WP10]. **Processes** [AFdR80, Bag89, FDY12, HM84, KS79, MW84, MC82b, Oas83, RY88, Sou84, TY18, dBB85, AE98, KS10, Ber80, Mio83]. **Processing** [GH80, HSG17, Rei83]. **Processor** [BG89b, Bud84]. **Processors** [GLR83, Per79, LPP01, ZP10]. **Product** [EMH20, RTP17]. **Production** [Wad90]. **Productivity** [Sij89]. **Profile** [BHM+07, YUW02]. **Profile-based** [BHM+07]. **Profiles** [VP23]. **Profiling** [ASA19, BL94a, BPRB23, SP97].

**Program** [Bal94, BNNN22, Bar85, BAL07, BKB80, Col84, DKKL18, Der85, FSP19, Fea82, FOW87, FT94, FL91, HSP83, HK94, HSD22, HLH+13, Jen97, JCCO19, KKW14, KWL09, Lam83, Lam88, LLOYD23, LFF14, LWR21, MS83, MV80, Ms81, Nie85, PP94, PPS79, Rem81, RTP17, SBS22, TSY00, Wat94, Wey83, ZSD09, Ass00, DDD05, GZ04, KF03, LH08, NS13, Pau01, RAB+07, SLC03, WZ07, WN08, YF09, DVK07].

**Programming** [AGT89, ANO18, AR84, ABBPS98, BSS6, BPP16, BHM+19, BL87, Bir84, Bor81, BMPT94, BWP87, BCEM15, CHY12, COE+20, CL94, Dar90, DFR15, DGG+79, DH+24, Du99, FFG+18, Fos96, FL15, GTWA14, GMP24, HMY+24, Har80, HK85, HOS2, Kais9, KHR2, Lee86, LVV+83, LMM21, LVRG21, MK94, Mye90, OGG+18, Pet83b, RCS93, SS84, Ste22, SNS+14, SZBH86, TK94, TGT20, YGRABA23, ZS021, ABH06, BMR01, Bou06, BdBH90, CUF08, CG86, CTK86, DWW+08, DPPR00, GW99, HB98, JPS+08, KGM04, MVV+01, MTSS09, MQ05, Tra08, VVJB10, WKD04, WJS+00, Bir85, SWU10].

**Programming-in-the-Large** [MK94]. **Programs** [AWW95, AK87, AFV98, AB20, AR80, AP94, AC94, BL94a, Ban87, BGL93, BC85a, BC85b, Ber94, BCD90, BE94, BE13, BEF+16, CR87, CB80, CM86a, Cha93, CFNHI8, CFG19, CEW14, CMN91, Cla80, CCM94, CS87, DSFG21, DL18, DGM97, DW89, Deb89, DL03, Deb95, DP97, DI90, EMH20, EGP14, FJK+17, FNBG20, GG85, GMS1, Har80, HCHP92, HPR89, How80, HIT97, IS88, ITF+22, JKBK18, JW17, Jon83, JF18, Kna90, Lam79, LS83, MSJ94, ML21, MTK21, MRGP20, MH86, Mye18, NSZS13, OA88, OL82, PS92, QL91, Rao94, SS98, Sch82, SSS81, SSS88, TOUH21, TN9, VMLY22, Ven95, Wad90, Web95, WII8a,
AE01, AAE04, BCG+07, CSW06, CSS99, DP99, DDV99, DS98, DMM01, EGM01, GM12, GH8+96, GH97, GPA+01, Hau96, HPMS00, JPS+08, KSV96, programs [LMD98, Lue04, LS09, MF09, NR06, PM06, RKRR04, RR03, San96, VJB12, WM12, YS10, Yin11, dHB+96, Bur84, Lam80].

PROLOG [LV94, AP94, AB94, BC91, CH87, FA93, GPA+01, MWB94, NF89, Zho96]. Programs [LMD98, Leu04, LS09, MF09, NR06, PM06, RKRR04, RR03, San96, VJB12, WM12, YS10, Yin11, dHB+96, Bur84, Lam80].

Proof-carrying [AM01].

Proof-Directed [BDJ13].

Proofs [Apt86, BC85a, CM86b, HRV23, JW17, LY98, OSS84, GRSK+11].

Propagation [SR95, WZ91, Apt00, CP96, SS05a, SS08, SS09].

Properties [ACW90, AS89, CIJGP18, Kar84, LM18, OL82, RY88, TB95, Wei89, YS10].

Prophecy [LM22].

Proposed [Fat82].

protected [PAS+15, WJS+00].

Protected [PAS+15, WJS+00].

Protocols [MB83, RKW+23, BFGT08, SS96].

Protocol [WCW90, WCW91].

Prototypes [HW82].

Provenance [ZSS20].

Properties [ACW90, AS89, CIJGP18, Kar84, LM18, OL82, RY88, TB95, Wei89, YS10].

Proving [DGMP97, GC86, Hen86, Kar84, Lam88, LN15, Rao94, SDB20, TB95, Wei89, YS10].

Public [Eug07].

Publish/subscribe [Eug07].

Public [Eug07].

Publish/subscribe [Eug07].

Purpose [App94b, HSS+14, Spo86].

Purpose [App94b, HSS+14, Spo86].

Pushdown [CBM19, KJT23].

Puget [TRN19].

Qualifiers [FJKA06].

Quantitative [CFNH18].

Quality [BHM+19].

Quantification [Voi91, Bur91].

Quantified [Gro06, STS03].

Quantitative [CFNH18].

Quantum [FDY12, HRL+23, BH99, Yin11].

Queries [Bal94, CGG+19].

Queuing [BB79].

Quiescence [CM86a].

R [CKT86, KMM+98, AW82].

Random [AS80].

Randomized [TOUH21].

Range [CG95].

Rank [Dam03].

Rational [CK94].

Real [Kau84].

Real-Time [MMG92, RS84b, GH97, HK07, LS98, YMW97].

Real-Time [MMG92, RS84b, GH97, HK07, LS98, YMW97].

Realities [Gor04].

Reals [DK17].

Reasoning [BKOZB13, BLRS12, BDP93, Lam88, LN15, Rao94, SDB20, TB95, Wei89, YS10].

Real-Time [MMG92, RS84b, GH97, HK07, LS98, YMW97].

Real-Time [MMG92, RS84b, GH97, HK07, LS98, YMW97].

Realities [Gor04].

Recall [ATD08].

Recall [ATD08].

Recognizer [GHR80].

Recognizing [BL94b].

Reduction [Bee94, Bur84, FRW90, Geo84, KLS92, Mul92, NN86, CSV01].

Recursive [BE13].

Reducible [BB79].

Redundancy [BB79].

Redundancy [BB79].
[URJ18]. Sather [MOSS96]. Satin
[SVJF98], satisfaction [DF11].
Satisfiability [FSH23, XA07], satisfying
[Van96a, Van96b]. Saturn [XA07].
Scalability [TCP+17]. Scalable
[FT94, GKM20, ZSS20, XA07].
ScalaExtrap [WM12]. scale [ZSS20].
Scaling [TCP+17]. scan [PS99]. Scanners
[HK92]. Scanning [GVC15]. Scavengers
[UJ92], Schanuel [KPS92]. schedulability
[GH97]. schedule [TVA07]. Scheduler
[TCVB14]. schedules [MH04]. Scheduling
[BG89b, FGL94, KR79, KPF95, LPP01,
LJ99, LCBS19, NB99, NSTD+15, PS93,
TCVB14, Ban11, ME97, YF98]. Schemes
[RLS+01]. Scheme
[Mur91, YR94, IV96, WC97]. Schemes
Son87, TM93. Schorr [BP82], Schwanke
[Tic88]. Scientific [How80]. Scope
[App94b]. Scratchpad [SRM10]. Screen
[MM89]. SDF [VHK02]. Search
[Dar90, LLOY23, BH09, SS05a]. Searching
[CC97]. Section [Müll21, Wol92]. Secure
[ABC+21, BCGM15, PAS+15, PG21,
BBF+11, HY07]. Securely [RB94].
Securing [BNV+21]. Security
[TGT18, TGT20, BFG08, BFG08]. see
[BR10]. Selection [DF84, SSS81]. Selective
[LTMS20, Min84, OLH+16, ME97]. Self
[BP89, DFIH09, Gho93, Gom92, ABB+09].
self-adjusting [ABB+09]. Self-applicable
[GM92]. Self-Stabilization
[Gho93, DFIH09]. Self-Stabilizing [BP89].
Semantic [AR+10, AW95, GGL15,
LCK+22, ML21, MH06, HCW82].
Semantics [AR+11, Ans87, AB94, AW82,
BGL93, Ber94, BLS812, Bou88, Boy10,
CP939, CD79, DFIH+24, FA93, GM81,
Gud92, Han94, JPP91, Kai89, Mul92, NFF89,
Set83, Sou84, WM95, Wan82, dBB85,
ACE96, BMR01, Bou06, GZ04, MF09,
PCJD08, SWU10, SJ03, Tar07, WKD04].
Semantics-Based
[BGL93, CPS93, PCJD08].
Semantics-Directed [HAN94, Set83].
Semaphore [CPR87]. Semiring [BMR01].
Semiring-based [BMR01]. Send [Gor4].
Send-receive [Gor4]. Sensitivity
[OLH+16, HBS22, PKH07, Ram00, Rep00,
RRSY08, VP23]. Sensitivity
[FL15, KRB18, LTMS20]. Separating
[DDM11, Ste22]. Separation
[BDJ13, DFP+16, OYR09, BBT307, PZ22].
Separators [GSS94]. Sequences
[GSW95, LWR21]. Sequential [ABS90, MIq19].
Sequential [AFDR80, Ber80, Gor21, GLR83,
HM84, KS79, MC82b, Moi83, Sou84].
Sequentialization [ITF+22]. Series
[Wat91]. Served [LH91]. server [LDM07].
servers [BBYG+05]. service [CMS03].
Services [CHY12, RB94, BFG08, CGP09].
Session [DDMP22, KBF22, Pad19, YF18].
Session-Based [YF18]. Sessions [YF21].
Set [Sha82, FF99]. set-based [FF99].
SETL [DGL+79, FSS83, SSS81]. Sets
[DP82, DPPL00]. Setting
[Lin79, Nie85, HL05]. SHA [App15].
SHA-256 [App15]. shape
[GCRN11, JLR810, JB06, SRW98, SRW02].
shape-analysis [SRW98]. shaping [HS11].
Share [SS88]. Shared
[Cha93, FLBB89, KH92, KRS88, LB22,
Pet83b, Dug02, HBJ98, TSY00, BC91].
Shared-Memory [Cha93, TSY00]. Sharing
[CSS99, Lam87]. SHErrLoc [ZMV17].
Shift [BN99, MYD95]. Shift-Reduce
[BN99, MYD95]. Short [Sag86]. Should
[LP99]. Side
[Boe85, SCP23, KWL09, RLS+01, TA08b].
Side-channel [SCP23]. side-effect
[RLS+01]. sign [KKN06]. signal [BH05b].
Signatures [BR97]. Signedness [GNS+15].
similar [AE98]. Simple
[Boe85, GLO88, JP17, LMS22, SH89].
simpler [BBRW98, BFRW05].
Simplification [LZ22, N79]. Simula
[Lan80]. Simulating [KKSD94].
Simulation
sin [Lam90]. Single [BM94, CFR+91, JBK18, GPF08].


Size-change [BA08, Lee09]. Sized [DG19].

Sketches [HSD22]. Slicing [AB20, AHJR14, CF94, DL18, GH97, HRB90, ML21, Mye18, Ven95, WZ07, BHK07, GZ07, NR06, RAB+07, WR08, ZGZ05]. SLR [BS88, Tai79]. Small [BNV+21, FLBB89, LH91, Pet83b]. Smart [Tic86]. Smarter [SK88, Tic88]. Smaller [SK90].


Software [ACW90, BLH12, CES86, GC86, PP91, Pur91, Zav85, AY01, ABE+05, MBT09].


Some [AB94, AK82, Sha82, Sor89].


Space/time-efficient [YF98]. spaces [JLF02]. Span [LS09, Rob79]. Span-Dependent [LS09, Rob79].

Spanning [GHS83]. Sparse [OHL+14].


SSA-Based [BDP14]. SSSProve [HRV+23].

Stabilization [Gho93, DHS09]. Stabilizing [BP89]. Stack [CGS+03, FG03, LaL81, SDB20, CF04, Zhou96]. Stack-Controlling [LaL81]. Standard [Fat82, HM93, Qia00, Blu99]. State [ACW90, BLH12, CES86, GC86, PP91, Pur91, Zav85, Ay01, ABE+05, MBT09].

Statement [Ein82, Mor88, SM81]. Statement-Oriented [Ein82, SM81].

Statements [CF94]. States [ADGM91, CBMO19]. Static [AKNP17, AC94, BM94, CG+97a, CF94, CFR+91, DL18, Deb89, HOYY18, LLK+17, LST98, MGRP20, M0S07a, Mye18, PW94, SBE+19, YS99, ZMVP17, CEI+07, GPFO8, GZ04, HO07, PSS05, PFH11, RSL10, VJB12, WCM00, YF09, AFF06, FFLQ08].

Statically [ACP91]. Statistical [LLK+17].

Statistics [Lan80]. Staveren [Pen83].

Steensgaard [Ein82, SM82]. Steensgaard-Madsen [Ein82, SM82].

stencil [LS04]. Step [Col84, TVA07]. Steps [Jon83]. Stepwise [CM86a, SL92].


Stratified [SS98]. Stream [HSG17].

streams [CFP+04]. strength [CSV01].
Strict [Bee94]. Strictness [Bee94, SR95].
String [GH80]. Strings [AS80, KS88, KS89, ADR06, KK07]. Strong [KZC15, PZ22]. Strong-separation [PZ22].
Structural [SZBH86, MTSS09]. Structurally [HS11]. Structure [BC79, GKL94, HM93, Mis94, MWB94, She91, HY07]. Structure-Oriented [GKL94].
Study [BHM19, FTJ95, BHK07, BDdB99, DF98, KF03, LS98]. Style [BDM15, LR19].
Sublanguage [DGL79]. Sublinear [RD87]. Sublinear-Space [RD87].
Submodule [MB83]. Subroutines [SA99]. subscribe [Eug07]. Subscript [CG95].
Subsequence [Han92]. Subset [BL87]. Substrings [BL94b, Han92]. subtype [Duc08, KR01]. Subtypes [Vol91, Bur91].
Subtyping [AC96, AC93, GGL15, LN15, LR19, LBN17, LW94, XBO920, ZZO22, GZ05, IV06].
Subtyping-Relation [LBN17]. SUIF [HAM+05]. Summarization [SCS24].
Supercompiler [Tur86]. Superimposition [Kat93]. Supermartingales [TOUH21].
Support [Bal94, DS90, Fea87, LS83, MK94, Wei90, TSY00]. Supporting [RCRH95].
Supports [ABPS98]. Suppression [DS88, FGL94, Sor89, JNGG10]. Survey [Apt81, GPA+01]. Suspension [CFM94].
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They proved that Byzantine agreement (the subject of Section ??) cannot be reached unless fewer than one-third of the processes are faulty. This result assumes that authentication, i.e., the crypting of messages to make them unforgeable, is not used. With unforgeable messages, they show that the problem is solvable for any \( n \geq t > 0 \), where \( n \) is the total number of processes and \( t \) is the number of faulty processes.

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