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

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**Title word cross-reference**

| [SRW02], + | [Han81a], $T^M$ [Bla03], $\alpha_{ex}/$ |
| [AW82], || | [DDDCG02], $A$ [DES12], $R$ |
| [JMSY92], $R_{Lin}$ [VR95], $\ell$ [ADG+94], |
| $O(nm)$ [Pet82], $\phi$ [CF95, DR05], $\pi$ [ABL03], |

(k) [ADGM91, BL94b, KM81]. 2 [Dam03]. 3
PHP02, Pa198, PKH07, Ram00, Rep00, RSL10, RD07, RRSY08, RR03, RR05, RLS+01, SRW98, SRW02, STS03, SdSCP13, SS96, ST00a, WP10, WJ98, ZSD09, dHB+96. analyze [DMM01, VBLG04]. analyzer [SMP10]. Analyzing [AW85, Bef+16, CFP+04, GMM99]. And/Or [Har80]. Annotations [Bur84]. AOP [DES12]. APL [Bud84, GD82, Hob84]. Applicability [DAW88, How80, LS98]. Applicable [Gom92]. Application [CD79, DF80, DF81, LR13]. Applications [BLRS12, Bou88, BALP06, CMLC06, NR06]. Applicative [AC94, KS86]. apprentice [MP02]. Approach [ABR81, AR80, BAC16, BP82, Bur90a, CH90, CD79, DS90, Ell82, ES97, FT94, GGL15, Har80, Hes88, KK14, Lam79, Lam80, Lee86, MW80, MDCB91, ND16, OA88, Sam80, Spo86, SM81, SNS+14, Bou05, CRN+08, DHM+12, FGM+07a, JLR10, KV00, LP80, MBT09, PSS05, PCJD08, RC03, SP07, WS97]. approximations [BGP99]. Apt [Moi83]. architected [ZP07]. Architecture [Wal92]. Architectures [Han94, KP95, NSTD+15, PAS+15]. Arising [Bac84]. Arithmetic [Fire0, GNS+15, Hen83, Ldr81, Mos07b]. ARM [FKW98]. Array [CGST95, CG95, LS79, Per79, PW80, JB06, LSLR05, Ni05, PHP02, RMH06, RR05, ZCG+07]. array-valued [RMH06]. Arrays [BBC16]. ASF [VHK00]. aspect [DWW08, Wkd04]. aspect-oriented [DWW08, Wkd04]. AspectML [DWW08]. Aspects [Bor81, Set83]. assembly [AAR+10, MWC99]. Assertions [BKB80]. Assessing [BDH+96, Wey83]. Assignment [BM94, CFR+91, GL80, GPF08, LDK+96]. Assisted [ICHP92]. Assisting [Fea82]. Associated [PPS79]. associativity [Cha02]. Assocs [Rem81]. assume [HQR02]. assume-guarantee [HQR02]. Assumptions [ES97]. AST [GVC15]. Asynchronous [Bag89, GLO88, Mis86, GM12, HR02]. ATL [WSH15]. Atomic [WL85, Wei90, AE01]. Atomicity [JLP+14, Wei89, FFLQ08]. Attribute [CP95, Hud91, JP81, Jon90, Kat84, KR97, MK94, RD87, WW95, Boy96, CP96, Wu04]. Attributes [HT86]. Author [Ano86a, Ano88a, Ano90a, Ano91a, Ano92a, Ano94, Ano95, Ano98, Bur91]. authorization [FGM07a]. Authors [Ano82, Ano83, Ano84, Ano85, Ano86b, Ano87, Ano88b, Ano90b, Ano91b, Ano92b]. auto [ZP10]. auto-addressing [ZP10]. Automata [BMW91, ES97, Pro95, KV00]. Automata-Theoretic [ES97, KV00]. Automated [GRS+11, KZC15, KF00, Sok87, JNGG10]. Automatic [AK87, Ano02a, BBC16, Cat80, CES86, D90, KK98, Le 88, Lk02, LS04, M83, PZJ05, RH87, SSS81, SLC03, She91, Wat91, Wha94, ABH11, ATD08, BdlBH99, CRN+08, ZCG+07]. Automatically [Ska95]. Automating [GKL94, MTSS09]. Avoidance [FGL94]. aware [MQ05]. Axiomatic [AR80, App94a, Bae85, Sou84, YB87, YB88, LP80]. Axioms [Mis86]. B [Han81a]. backpropagator [PS08]. Backtracking [Lin79, VR95, FM87a]. Balanced [AS80, PB80, vHK00]. base [LS98]. Based [BPP16, BGL93, Bur90a, CGJ+97a, Cl84, CP95, CH90, CPS93, DLM15, DLR16, EGP14, GG85, H86, JTM98, K89, KR97, LFF14, PW98, RTD83, SR95, SGL98, SNS+14, Wat94, WGS92, vPS81, BFG08, BMR01, BHM+07, BCG+07, CTT07, DDV99, Eug07, FF99, HBM98, KBC+99, KK07, KC01, LP00, LH08, LGAT00, MTSS09, MH06, Pal98, PPO80, FCJD08, SP97, SP07, SMP10, SYN06, BDP14, WGS93, WM12]. Basic [GLR83]. BDD [LH08]. BDD-based
Behavior [LH08]. Be
[Bee94, Coh91, Wir91, CG04, LP99].
Behavioral [LN94, LW94]. Being [Cop94].
benefits [GMP+00]. Better [Gri79, Lam88].
between [BS88]. Beyond [GSW95]. BI
[BBT07]. BI-hyperdoctrines [BBT07].
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[DP93, MMR95, FGM+07a, GPWZ08].
binaries [STP05]. Binary
[Sip82, DDD05, MMM+07, RC03, YF99].
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bisimulations [SKS11]. Bit [KD94, KK07].
bivector [KSV96]. Bliss [GNS+15]. Block
[LS81, Mnr91]. Block-Structured [LS81].
Blocked [FTJ95]. Blocks [Jag94]. Boolean
[XA07]. Bootstrapping [App94a]. Both
[KZC15]. bottlenecks [RD03]. Bottom
[BGL93, GCRN11]. Bottom-Up
[BGL93, GCRN11]. bound [KK07, NI05].
Bounded [ADG+94]. Bounds
[PW94, BP12, CEI+07, RR05, SS05a]. Box
[WLBF16]. boxed [BCC04]. Branch
[CGJ+97a, CEG07, YUW02, YS99].
Branches [WZ91, RC03]. Broad [DAW88].
Buddy [Kau84]. Buffer [Zic94]. bugs
[HS10]. Building [Jag94]. BURS [Pro95].
Bus [Pur94]. Bytecode
[SA99, BDL+08, CSMC00, FM99, GPF08].
KR01, Qia00, SMP10, WR08]. Byzantine
[LSP82].
°C [PHEK99, BR97, HSS+14, ND16, PKH07].
PFI11, Ven95]. C# [BCF04]. C/C [ND16].
Cache
[GM99, KLS92, MMM+07, SS96, VBLG04].
Caching [ABM93, FK85, KS86, LST98].
Calculational [Bou06]. Calculi [ABS09].
Calculus
[ABL93, BKL+97, BN94, Gom92, Kob98].
MGR88, Ned89, Oh695, WM95, ABL03.
AH10, Bou05, Bou06, BBC04, DES12, HR02.
IPW01, Jay04, TA08a, KPT99]. Call
[DP97, GL80, GC01, HL05, KK07, SW97a].
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[Coh83, Coh85, FF08]. Can
[Boe85, Coh91, Wir91, CG04]. capabilities
[WCM00]. capability [TA08a]. Carlo
[FL15]. carrying [AM01]. Case
[FTJ95, WW95, BdlBH99, KF03]. Cats
[AMT14]. Cause [Cas96]. CCP [EGM01].
CCured [NCH+05]. Cedar [SZBH86].
Cells [LYS88]. Centered [CHY12]. Centers
[KRS84]. Centralized [HM84]. centric
certified [STP05]. Chaining [LS80].
Chains [HS94]. challenge [MP02]. change
[BA08, CP96, Lee09]. Changes
[Ber94, MTSS09]. changing [MP07].
Chariots [PB97]. Check [AP94]. checked
[KN06]. checker [NP08]. Checking [Car95].
CGL94, ES97, FF08, GL94, ND16, AY01.
ACM11, BGP99, FFLQ08, HQR01, JJD98.
KF10, KV00, NI05, SG04, VJB12.
YM97]. Checks [CG95, CEI+07]. Choice [BN94].
CIRCAL [Mil85]. Circular [Jon90, Pet82].
Circularity [WW95, Wu04]. Clarification
[PA86a]. Class [HKMN94, Han92, SJ03].
SDTF13, HS11, MH04, ST00a]. Classes
[SDTF13, WT11, HHPW96, HMO06].
Classical [JSB+12]. Classification
[KZC15]. Classifying [GS95]. Claus
[WP10]. Cliché [Wat94]. Cliché-Based
[Wat94]. Clique [GSO94]. Closure
[Pal95, SW97b, SA00]. CLP [DHM00].
GLM05, JMSY92, KMM+98, VR95].
Clusters [BGH+13, BGB+09]. coalescing
[GA96, Hai05, PM04]. Code
[AGT89, Cat80, Cop94, DF84, FGL94, GFS85].
Hen82, HG83, JSB+12, KRS94, LR13, ND16.
Rob79, TyS82, Wan82, AM01, DEM00.
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vHK00, CM93, Pen83, WST85]. Cohen
[Coh85]. coherence [SS96]. coinduction
[San09]. Collecting [HY91]. Collection
[BA84, CN83, DSW82, Lan80, TM93, WLBF16, BALP06, HDH02, PBK07, Piq96].

collector [BBYG05, LP06, TSBR08].

Coloring [BCT94, CH90, GSO94].


Combining [Ber94, BP82, CC95, CMB95]. Come [LH91].

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Communications [RS97].

Communication-Centered [CHY12].

Communication-Centered [RS97].

Communications [RS97].

Communication-Centered [CHY12].

Communications [RS97].

Communications-Centered [CHY12].

Communications [RS97].

Communications [RS97].

Communication-Centered [CHY12].

Communications [RS97].

Communication-Centered [CHY12].

Communications [RS97].

Communication-Centered [CHY12].

Communications [RS97].

Communication-Centered [CHY12].

Communications [RS97].

Communication-Centered [CHY12].

Communication-Centered [CHY12].

Communication-Centered [CHY12].

Communication-Centered [CHY12].
NSTD\textsuperscript{+}15, Pal95, PW98, Apt00, BMR01, DPPR00, FH04, GHB\textsuperscript{+}96, HPMS00, SS08, SS09, SP07, SSD09, dHB\textsuperscript{+}96.

Constraint-Based [PW98, DDV99, SP07].

Constraint-Oriented [Bor81].

Constraint-Solving [NSTD\textsuperscript{+}15].

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Context-Free [GHR80].

Context-sensitive [Ram00, Rep00].

Contexts [Ode93].

Continuation [BDM15, Wan82].

Continuation-Passing [BDM15].

Continuations [BDM15, HF87].

Continuous [KF03].

Contract [DF11].

Contracts [SDTF13, CGP09].

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Control [ABLP93, Bur84, CL94, CFR\textsuperscript{+}91, DP97, FM87b, Kat93, Lam88, Lin79, NGB13, PB97, PBR\textsuperscript{+}15, Set83, SS13, Tur84, Wat83, Wei89, BCM99, BCC04, HO07, PSS05, RAB\textsuperscript{+}07, Zho96].

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Convergence [Bar85].

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Currency [DS98].

Custom [DJP\textsuperscript{+}16].

Cycle [BG98b, PBR\textsuperscript{+}07].

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Cyclic [RY88].

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Data-centric [DHM\textsuperscript{+}12].

Data-Driven [BL87, CS87].

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Data-Parallel [Cha93, HBJ98].

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Dataflow [Deb95, DFR15, MBW94, SS13, Van96a, Van96b, VHM\textsuperscript{+}01].

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Distance [Wol94, ZSD09]. distribute [CRN+08]. Distributed [ABLP93, AF84, APT86, AW85, BKS88, BCEM15, Bur84, CJK95, CM86a, CBDF95, CS95, DAW88, Dug99, FLB89, Fra80b, GHS83, Hua90, HM84, Jon94, Kna93, KKK98, KR88, KKM90, Lam84, LS83, MC82a, RCR95, SS84, Sch82, TM93, Zav85, ABL03, FM87a, HVB+99, KGM004, LC02, MDJ05, Pld96, Fra80a, Mohn81, VHB+97].
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DJ-graphs [UM02]. DLLs [Dug02]. do [SS05a].
Documentation [MH86]. does [DMP96].
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[DDECG02, AAD+07]. field [PKH07]. field-sensitive [PKH07]. fields [PZ05].
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[DBR15, DNS+06]. Fine-Grained [DBR15, DNS+06]. fingerprinting [CTT07]. Finitary [AH98]. Fine
[ACW90, BLH12, CES86, GC86, PK82, PP91, Pur91, RSL10, Zav85]. Finite-State
[ACW90, BLH12, CES86].
Finite-State-Machine [Zav85]. First
[ADG+94, Bre89, DP97, HKMN94, Han92, JPP91, JS94, LH91, MH04, SDTF13].
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First-Enabled [ADG+94]. First-Fit
[Bre89]. First-In [ADG+94]. First-Order
[DP97, JPP91, JS94]. Fixed [SS98]. Fixed-Order [SS98]. Fixpoint
[AC94, Qia00]. Flexible
[AD98, Hud91, MSM+16, WG98, Wil82b, dJKVS12, IV06, KGMO04]. Floating
[CK94, Fat82, Hau96, Mon08].
Floating-Point
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[MMG00]. Flow [AR80, AD98, Bac84, BC87a, Bur90a, DP97, DP93, FJKA06, Hor97, KD94, MMR94, NMG+93, PO95, PP91, PBR+15, Pur91, Set83, SGL98, WS82, DGS97, HR02, HY07, KBZ+99, Pal98, PS03, RRSY88, RP88, TST05, WJ98].
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[FF08]. Form [AK87, BOV85, BM94].
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Herding [AMT14]. Heuristic [SL92]. hiding [LN02, OYR09]. hierarchic [AG04].
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Impact [OLH+16, CKT86]. Imperative [ABPS98, DFR15, Gro06].
Implementation [AKBLN89, AOC+88, BCD+15, Bou88, Bre89, BS83, CM86b, GMHS81, Gaz83, Lin93, MDCB91, PXL95, RL98, WL85, CMLC06, FM87a, GB99, LDM07, LPS004, Tra08, Zho96].
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Improvements [BCT94]. Improving [CK94, CMB+95, MCT96, WS97]. impure [Pip97]. incomplete [GLM05].
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Incrementally [QL91]. Independence [DHR00, Rep00]. Independent [ML80, Ml92]. Index [Ano86a, Ano88a, Ano89a, Ano90a, Ano91a, Ano92a, Ano94, Ano95, Ano98]. indexed [AM01]. indices [RR05]. Indirect [Piq96, CEG07, YK97]. Induction [GSW95, Sit79]. inefficiencies [MMM+07].
Inessential [SS82, LaL84]. Inference [CEW14, Deb89, Hen93, LO94, LY98, TB98, Wey83, FFLQ08, JB06, PM06, PT00, PS03].
Influence [FT95]. Information [AR80, Ano82, Ano83, Ano84, Ano85, Ano86b, Ano87, Ano88b, Ano89b, Ano90b, Ano91b, Ano92b, BC85b, HR02, NBG13, PBR+15, PS03, GS99, HY07, LN02, OYR09, T207]. Information-Flow [BC85b, T207]. infrastructure [SWU10]. Inheritance [LN15, WT11]. initialization [FM99]. Input [BS83, vPS81]. Input-Output [BS83]. Inputs [PA86a]. Insensitive [Hor97, FJKA06]. insertion [CJ05].
inspection [CF04, FG03]. Instantiation [Der85]. Instead [Lam84, Rem81].
Instruction [KPF95]. Instructions [LS80, PS93, RF97, Rob97, LPP01]. Integer [BAGM12, BFP+16, BGP99].
Integrated [SS13]. Integrating [HPR89, WJS+00].
Integrating [CO90, Leu04]. Intensional [STS03]. Interaction [WSS85, WT11, van88, BCM99].
Interactions [JS94]. Interactive [ACS84, BS86]. Interface [Win87, van88]. Interfaces [DS90, Mye90, TLHL11, WT11].
Interferences [FT95]. Interfering
Linear-Time [YR94, BKRW98, BKRW05].
Link-time [DDD05]. Linking [QL91, Dug02]. LIPS [CDFP89]. LISF [GCRN11].
LISP [Mul92, Pip97, SH89, Wat83]. List [BC79, HIT97, Kau84, Sij89]. listing [MDJ05].
Literature [Oss83]. Live [MWB94]. Live-Structure [MWB94].
Liveness [ACW90, GC86, OL82, RY88, HDH02]. LL [BF87]. Load [KPF95]. Loaded [BG89a].
Local [BDFZ09, CBDFG95, PT00, TSBR08, Wei89, Dam03, San96]. Locality [BAC16, MCT96, VALG05, ZSD09].
Locally [AB81, Bac84, Min84]. locating [JNGG10]. lock [KS10]. lock-freedom [KS10]. locking [AFF06].
LOCKSMITH [PFH11]. Logic [AS89, AVF98, Apt81, BGL93, BL87, BCD90, BDJ13, BMPT94, CS04, CES86, CFM94, DW99, Deb99, DL93, Deb95, DJP+16, JPP91, Kar84, LS84, Lam94, MW84, MSJ94, MMG92, SS98, Sok87, TK94, TB95, BBTs07, BMRO1, BCG+07, BdIb99, C08, CG86, CSS99, DDV99, DPPR00, GHB+96, GW99, HVb+99, HPMs00, KLW09, LMD98, Leu04, PMO6, RKRO04, SRW02, Yin11, dHB+96].
Logical [GG15, GS98, RSL10, Tar07]. Look [DP82]. Look-Ahead [DP82].
Lookahead [KM81, MF88]. Loop [BAC16, CS87, MCT96, Sil79, RKSR12].
Loops [BAGM12, Boo82, CK94, DB85, FTJ95, Hav97, Wat91, Ano02b, LS04, LSLR05, Ram99, RDG08, SGL96, UM02].
low [CSCM00]. low-end [CSCM00]. Lower [PW94]. LR [ADGM91, BL94b, BF87, CPRT02, DMM88, Je03, KC01, La81, La84, SS82, ST00b].
megaflops [MMG00]. member [KF00]. Memory [AMT14, CK94, Cha93, KZC15, KK98, KRS88, MIM+16, Mis86, RCRH95, SS88, ABHI11, BP12, GMM99, GW99, JNGG10, KFO0, LK02, Loc13, QR00, RR05, TSY00, TP04, VBLG04, WCM00, MIM+07]. memory-efficient [TP04]. memory-hierarchy [KF00]. Merge [Ber94]. Merlin [HBM+06]. Message
[CSW06, SS84, Gor04]. Messages [BB79, Jef03]. meta [Tra08].
meta-programming [Tra08]. Metalevel [Jag94]. Metaprogramming [CI84].
Method [BCD90, BF87, HL82, Jon83, Loa87, JJD98].
Methodology [Ban87, Her93, Skr95]. Methods [DAW88, KM81].
METRIC [MMM+07]. Mezzo [BPP16].
Microanalysis [HCP92]. Microcode [MV87]. Middle [BDP14]. Middle-End [BDP14].
Might [Bee94]. migration [Piq96]. Minimal [FKW98, IPW01].
Minimization [RS84a]. minimizing [RMH06]. Minimum [GHS83].
Minimum-Weight [GHS83]. Mining [AMT14]. Misled [Cop94]. miss [GMM99].
Mixin [HL05, RD13]. mixins [ALZ03]. ML [Blu99, EO80].
Model [AY01, Ang89, BK11, BL87, BGP99, CGL94, DLR16, ES97, GS98, GG85, GL94, Han91, HW82, Hol87, KH92, MM92, ND16, VSS94, ACM11, AM01, AE01, JJD98, JPS+08, KN06, KV00, Loc13, NP08, QR00, SG04, VVJ910, VALG05, YMW97].
Model-Checking [ES97, BGP99].
Modelling [AMT14].
Models [GJ93, KZC15]. Modern [BCF04, RAB+07]. Modes [Deb89].
Modules [CL95, HW82, Lam83, HL05]. monadic [MH04]. Monitors [BLH12, BH05b]. Monolingual [HK85].
MPI [TSY00]. multi [MF09]. multi-language [MF09]. Multialgebraic [WM95]. multidimensional [RDG98].
MultiJava [CMLC06]. Multilisp [Hal85].
Multiprocess [Lam79, Lam80].
Multiprocess [ABR81].
Multiprocessor [GP81]. Multiprocessors [Cha93, KRS88]. Multisource [MMR95].
multithreaded [EP914, JSB+12, KKW14, NR06].
Multivariate [Bha12]. Multiway [Cha87, Van96a, Van96b]. munch [Rep98].
Mutual-Exclusion [LH91]. Myths [Gor04].

Nesting [Hav97, Boy10]. Nests [BAC16].
Net [JTM98]. Network [WGS92, WGS93].
Networks [CGJ97a, GC86, KRS84, dBB85].
Nicholson [FA93]. node [JC97, UM02].
Nodes [CF95, Han81a]. Nomadic [SWU10].
Nominal [CU08]. non [BS88]. non- [BS88].
Noncanonical [Tai79]. Noncorrecting [Ric85].
Nondeterminate [TK94].
Nondeterminism [Ber80, Hes88, WM95].
Nondeterministic [QG95, MT95].
Noninterfering [HPR89]. nonnumerical [ME97].
Nonprocedural [PPS79].
nonrectangular [JLF02]. nonscalars [CRN+08].
Nonsequentiality [Bar81].
Notation [Rem81, Wil82]. Note [Com80, CM93, MS88, WST85, Coh85, Pal11b, YK97].
Notes [Sku95]. Nothing [BDH+16].
Notion [LW94]. NP [Hor97]. NP-Hard
LMD98, Leu04, ST00b. Partially
[BLH12, Kob98, RRSY08].
Partially-flow-sensitive [RRSY08].
Partitioning [RM07, YF09]. Parts [Son87].
Partition [LS79]. Pass [Bak82, BM94].
Passing [BDM15, Gaz83, SS84, CSW06, Gor04, Zho96]. Passive [AKP94]. past
[PM09]. Path [Blo94, SMP10]. path-length
[SMP10]. Pattern
[EGP14, ADR06, Jay04, MTSS09, Van06].
Pattern-Based [EGP14]. Patterns [GH80].
PDS [Han81b]. PEAK [PE08]. Peephole
[DF80, DF81, Pen83, Tv882]. PegaSys
[MH86]. C [ND16]. CS [CD79]. CV3
[CZ84]. fold [RKRR04]. Semantic
[HCW82]. subscribe [Eng07].
time-efficient [YF98]. write [AE01].
Pennello [Sag86]. Perfect [Dnc08].
Performance
[HU96, MS16, PB80, KF00, PE08].
Performed [Coh91, Wir91]. Permission
[BPP16, SNS14]. Permission-Based
[BPP16, SNS14]. permissions [Boy10].
Persistent [AM85]. Petri [JTM98]. Phases
[Bar81]. Philosopher [CM84].
Philosophers [MS88]. pi [HR02, KPT99].
pi-calculus [HR02, KPT99]. pic [SWU10].
Pictures [MH86]. Pipeline [HG83].
Pipelining [BG89b, LPP01, RDG08].
pipelining [ME97]. pitfalls [Mon08]. PL
[CD79, CZ84]. PL/CS [CD79]. PL/CV3
[CZ84]. place [GW99]. Placement
[DP93, GS99, vHK00]. pluggable
[MME10]. Pluto [BAC16]. Point
[CK94, Fat82, GJ05, Han96, Mon08].
Pointer [LS79, RR03, HBCC99, HVDH07, PKH07, RLS01]. Pointers [SS13, RR05]. points
[WKD04]. Pointwise [VSS94].
Policies [NBG13, BDFZ90, 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].
Polymorphic [BMR05, Dug99, HT04, Hen93, KIU93, LO94, LY98, Oho95, SV96, WJ98, BSvGF03, DWW08].
Polymorphism [Bur90b, MDCB91, HFC09].
polynomial [BAL07]. PolyTOIL
[BSvGF03]. polyvariance [LMD98].
Polyvariant [AC94, WJ98]. Portable
[DDH84, Han81b, HK07]. Postfix [DS83].
Postpass [HG83]. Power [TW82, SS09].
Powerlist [Mis94]. PPMexe [DKV07]. PQ
[GZ05]. PQ-encoding [GZ05]. Practical
[AD98, BAC16, BF87, Dha91, ND16, PBR15, SS13, TSL12, WC97, Bou05, DR05, DVD07, DGS97, JN06, PFH11].
Practice [KRS94, Ryu16, Bla03, DRSS96].
Pragmatic [BDH16]. Pragmatics
[Gom92]. Pre [OLH16]. Pre-Analysis
[OLH16]. Precedence [Hen83, LdR81].
Precise [Hor97, PHP02]. precision
[ZGZ05]. Precondition [Boo82]. Predicate
[Lam90, BMR05, Bou05, Bou06, MFR09, MMS96, PR07]. Predicates
[CBGD95, Lam88]. predictable
[SHB07, HK07]. Prediction
[CGJ97a, CEG07, YSS99]. Preparing
[FK85]. Presence [AWW95, CF94, KIU93].
Preserving [DHS09, LST02]. pretenuring
[BHM07]. Pretty [Chi05]. Prettyprinter
[Wat83]. Prettyprinting [Opp80].
Primitive [App15]. principals [TZ07].
Principles [Bou88, DRSS96]. printing
[Chi05]. Priority [CH90, Fir93].
Priority-Based [CH90]. Privacy
[BKOZB13]. Privileges [Min84].
Probabilistic [BKOZB13, HSP83, MMS96, Rao94, BH99, PPT08]. Problem [ADG+94, CM84, DS88, Gho93, LPS82, MS88, Pet82, Pet83b, PB97, SSW90, FGM+07a, Wu04].
Problems [Bac84, DP93, MMR95, SRW98].
Procedural [HF87, LIN93, VSS94].
Procedure [GS99, GL80]. Procedures
[AM85, KTT84, NO79]. Process
[Kob98, vPS81, WP10]. process-oriented
Processes
[AFdR80, Bag89, FDY12, HM84, KS79, MW84, MC82b, Oss83, RY88, Sou84, dBB85, AE98, KS10, Ber80, Moi83].

Processing
[GH80, Rei83].

Processor
[BG89b, Bud84].

Processors
[GLR83, Per79, LPP01, ZP10].

Production
[Wad90].

Productivity
[Sij89].

Profile
[BHM+07, YUW02].

Profile-based
[BHM+07].

Profiling
[BL94a, SP97].

Program
[Bal94, Bar85, BAL07, BKB80, Col84, Der85, Fea82, FOW87, FT94, FL91, HSP83, HKR94, Jen97, KKW14, KWL09, Lam83, Lam88, LFF14, MS83, MW80, Mis81, Nie85, PP94, PPS79, Rem81, TSY00, Wat94, Wad90, Wey83, ZSD09, Ass00, DDD05, GZ04, KF03, LH08, NS13, Pau01, RAB+07, SLC03, WZ07, WN08, YF09, DKV07].

Programming
[AGT89, AR84, ABPS98, BS86, BPP16, BL87, Bir84, Bor81, BMPT94, BCEM15, CHY12, CL94, Dar90, DFR15, DGL+79, Dug99, Fos96, FL15, GTWA14, Har80, HK85, HOS2, Kain9, Kh92, Lee86, LVV+83, MK94, Mye90, Pet83b, RCS93, SS84, SNS+14, SZBH86, TK94, ABH06, BMR01, Bou06, BdlBH99, GM12, GPA+01, LV94, AP94, AB94, BC91, CH87, FA93, GPA+01, MW94, NF89, Zho96].

Program-in-the-Large
[MK94].

Programs
[AWW95, AK87, AFV98, AR80, AP94, AC94, BL94a, Ban87, BGL93, BC85a, BC85b, Ber94, BCD90, BE94, BE13, BEF+16, CR87, CS80, CM86a, Cha93, CEW41, CM91, Cla80, CMF94, CS87, DGM97, DW89, Deb89, DL93, Deb95, DP97, Dill90, EGP14, GG85, GM81, Har80, HCHP92, HPR89, How80, HIT97, ISY88, Jon83, Js81, Kna90, Lam79, LS83, MSJ94, MH86, NSZS13, OA88, OL82, PS92, QL91, Rao94, SS98, Sch82, SSS81, SS88, Ven95, Wad90, Web95, Wil82a, AE01, AAE04, BCG+07, CSW06, CSS99, DP99, DV99, DS98, DMM01, EGM01, GM12, GHB+96, GH97, GPA+01, Hau96, HPMS00, JPS+08, KSV96, LMD08, Leu04, LS09, MF09, NR06, PM06, RKRR04, RR03, San96, VJB12, WM12, YS10, Yin11, dHB+96, Bur84, Lam80], PROLOG
[LV94, AP94, AB94, BC91, CH87, FA93, GPA+01, MW94, NF89, Zho96].

Promotion
[Bir84, Bir85].

Proof
[AFdR80, BDJ13, FRW90, GL80, Moi83, Sag86, SS84, Sok87, WGS92, WGS93, AM01, DSW11, Oho07], proof-carrying
[AM01].

Proof-Directed
[BDJ13].

Proofs
[Apt86, BC85a, CM86b, LY98, Oss83, GRSK+11].

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

Properties
[ACW90, A859, Kar84, OL82, TB95, Wei99, YS10].

Proposed
[Fat82], provably
[MP10b].

Protected
[PAS+15, WJS+00].

Protocol
[SL92, YS97].

Protocols
[MB83, BF908, SS96].

Prototype
[WCW90, WCW91].

Prototypes
[HW82].

Publish
[Eug07].

Publish/subscribe
[Eug07].

Pure
[HU96, Pip07, Tar07].

Purpose
[App94b, HSS+14, Spo86].
[ISY88, TZ07, GMP⁺00]. **Run-Time**
[ISY88, TZ07, GMP⁺00]. **Runtime**
[BLH12, BEF⁺16, TCVB14, BH05a, TSY00].

**S** [HCW82]. **S/SL** [HCW82]. **Safe** [AWW95, Dug02, AFF06, BSvGF03, LS03, Loc13, NCH⁺05, SA00, ZCG⁺07, MH06, SHB⁺07]. 
**safe-for-space** [SA00]. **safety** [FF08, YS10].
**same** [SS05a]. **sampling** [PPT08]. **Santa** [WP10]. **Sather** [MOSS96]. **Satin** [VWJB10]. **satisfaction** [DF11].
**satisfiability** [XA07]. **satisfying** [Van96a, Van96b]. **Saturn** [XA07]. **Scalable** [FT94, XA07]. **ScalaExtrapp** [WM12]. **scan** [PS99]. **Scanners** [HKR92]. **Scanning** [GVC15]. **Scavengers** [UJ92]. **Schanuel** [KPS92]. **scheduling** [GH97]. **schedule** [TVA07]. **Scheduler** [TCVB14]. **schedules** [MH04].
**Scheduling** [BG89b, FGL94, KR79, KPF95, LPP01, LJ99, NB99, NSD⁺15, PS93, TCVB14, Ban11, ME97, YF98]. **schema** [RLS⁺01].
**Scheme** [Mur91, YR94, IV06, WC97].
**Schemes** [Son87, TM93]. **Schorr** [BP82].
**Schwanke** [Tie88]. **Scientific** [How80].
**Scope** [App94b]. **Scratchpad** [SRM10].
**Screen** [MM89]. **SDF** [VHK002]. **Search** [Dar90, BH99, SS05a]. **Searching** [CC97].
**Section** [Wo92]. **Secure** [BCEM15, PAS⁺15, BBF⁺11, HY07].
**Securely** [RB94]. **security** [BFG08, BFG08]. **see** [BR10].
**Selection** [DF84, SSS81]. **Selective** [Min84, OLH⁺16, ME97]. **Self** [BP89, DHI09, Gho93, Gom92, ABB⁺09].
**self-adjusting** [ABB⁺09]. **Self-applicable** [Gom92]. **Self-Stabilization** [Gho93, DHI09]. **Self-Stabilizing** [BP89].
**Semantic** [AAR⁺10, AWW95, GGL15, MH06].
**Semantics** [ABHI11, Ans87, AB94, AW82, BGL93, Ber94, BLRS12, Bou88, Boy10, CPS93, CD79, FA93, Gud92, Han94, JPP91, Kai89, Mul92, NF89, 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** [CR87]. **Semiring** [BM901].
**Semiring-based** [BM901]. **Send** [Gor04].
**Send-receive** [Gor04]. **Sensitive** [OLH⁺16, PKH07, Ram00, Rep00, RRS08].
**Sensitivity** [FL15]. **Separating** [DDM11].
**Separation** [BDJ13, DJP⁺16, OYR09, BBT07].
**Separators** [GSO94]. **Sequences** [GSW95].
**Sequential** [ABS09]. **Sequential** [AFDR80, Ber80, GLR83, HM84, K79, MC82b, M83, SO4, Series [Wat91].
**Served** [LH91]. **server** [LDM07]. **servers** [BBY⁺05]. **service** [CMS03].
**Services** [CHYW12, RB94, BFG08, CGP09]. **Set** [Sha82, FF99]. **set-based** [FF99]. **SETL** [GDL⁺79, FSS83, SSS81]. **Sets** [DP82, DPP00].
**Setting** [Lin79, Nie85, HL05]. **SHA** [App15].
**SHA-256** [App15]. **shape** [GCRN11, JLRS10, JB06, SRW98, SRW02].
**shape-analysis** [SRW98]. **shaping** [HS11].
**Share** [SS88]. **Shared** [Cha93, FLBB98, KH92, KRS88, Pet83b, Dug02, BHJ98, TSY00, BC91].
**Shared-Memory** [Cha93, TSY00]. **Sharing** [CSS99, Lam87]. **Shift** [BN99, MYD95].
**Shift-Reduce** [BN99, MYD95]. **Short** [Sag86]. **Should** [LP99]. **Side** [Boe85, KWL09, RLS⁺01, TA08b].
**side-effect** [RLS⁺01]. **sign** [KKN06]. **signal** [BH05b].
**Signatures** [BR97]. **Signedness** [GNS⁺15]. **similar** [AE98].
**Simple** [Boe85, GLO88, SH99]. **simpler** [BKRW98, BKRW05]. **Simplification** [NO79]. **Simulat** [Lam80].
**Simulating** [KKSD94]. **Simulation** [AMT14, Bar81, Bor81, LFF14, HQT02].
**sin** [Lam90]. **Single**
ThingLab [Bor81]. things [PM09].
Thinking [WLBF16]. Thinning [Web95].
Third [Wol92]. ThisType [Ryu16].
Thread [YBL16]. Thread-Level [YBL16].
threaded [TSY00]. Tichy [Tic88].
tiling [JLF02, LS04, RKSR12].
Time [AL94, ABR81, BL94b, BLH12, Coh91, DLR16, Hol87, ISY88, Jef85, Lam84, MMG92, PS93, RS84a, RS84b, Wir91, YR94, Žic94, BAL07, BALP06, BKRW98, BKRW05, DDD05, GMP+00, GB99, GW99, HK07, LS98, LPP01, LS09, Mil85, Ram99, Rep98, SYK+05, Tra08, TZ07, Wu04, YMW97, LW93].
Time-Constrained [ˇZic94, LPP01].
Time-Critical [PS93].
time-efficient [GB99].
Timed [ˇZic94].
Timeout [Lam84].
tokenization [Rep98].
Tolerance [LJ99].
Tolerant [CS95, Lam94, AA04].
Toolkit [BDFH97]. toolkits [VHM+01].
Tools [van88].
Topological [DDM11].
Total [San96].
Trace [FGL94, WGS92, Ban11, RM07, SJ03, WGS93, WM12].
Tracing [BL94a, DLR16, MMM+07].
tradeoffs [ZG05].
Trailing [VR95].
Traits [DNS+06].
transactional [ABHI11, CFP+04].
Transactions [HKMN94].
Transducer [DVLM15].
Transducer-Based [DVLM15].
Transformation [BKBR80, FCR91, NSZS13, Wat91, RKRR04, San96, TSY00, WZ07].
Transformational [BDFH97, Bir84, Bir85, DSW82, OA88, RC03].
Transformations [Bar85, EGMO1, Geo84, LDR81, LFF14, MS83, MCT96, NIE85, FGM+07a, KWL09, MOS07a, VALG05, WS97, Hen83, NN86].
Transformers [Lam90, MMS96, MBT09].
TransformGen [GKL94].
Transforming [AWW95, BE94].
Transition [PR07].
Translation [AK87, BK11, Kat84, Son87, AAD+07, BGRK09, DP99, RC03].
Transmission [HL82].
Transport [Min84].
transpose [CRN+08].
Traversals [LPSO04].
Treatment [YB87, YB88].
Tree [AGT85, BOV85, BMW91, DVLM15, DS83, Han81a, Hen83, LDR81, FGM+07a].
Trees [Con80, GHS83, MTG80, Sip82, Wad90, ACM11, SGL97].
trick [DMP96].
Truth [BDH+16].
TSL [LR13].
tuning [MMM+07].

two-variable [FM09].
Type [Bur90b, Car95, CEW14, Coh91, C84, Dug02, Eun07, HHPW96, HM93, Hen93, KPS92, KRU93, KRU01, Lam80, LO94, LST02, LY98, LP00, MP88, NG13, PO95, SA99, SM89, TWW82, Van06, Wal80, WT11, Wir88, WC97, BSvGF03, BCG+07, FJKA06, FGM07b, FM99, FF08, GZ07, GMZ00, HO07, HD02, HY07, KF10, KS10, NP08, NCH+05, PT00, STS05, TFK+11, TZ07, Wal81, Wir91].
Type-based [Eun07, LP00, BCG+07].
Type-Extension [Coh91, Wir91].
Type-Graphs [KPS92].
Type-preserving [LST02].
Type-Safe [Dug02, BSvGF03, NCH+05].
Typechecking [CL95, MBC04].
Typed [ACPP91, Geo84, Kob98, NN86, WCM00, AAR+10, LP99, MWGC99].
Types [AFF06, AC93, BB94, BCDM15, DD85, EO80, FLQ08, HL82, Hess88, Jen97, Kam83, LaL89, LO94, Lo87, Ma82, MP88, WL85, Wei89, Wei90, AM01, BBF+11, Dam03, DDM11, DMM01, Gre06, GPV07, HVP05, IV06, MME+10, PS96, Pa98, STS03, SP07].
Typestate [GTWA14].
Typestate-Oriented [GTWA14].
Typing [ACPP91, Dug99, RM10, SV96].
ultimate [PS08].

Unassigned [Win84].

unbounded
[BGP99]. uncaught [LP00].

Undecidability [Ram94, Rep00, Cha02].


Unification [MM82, DRSS96]. Unified [VSS94]. Uniform [AS80, BP89, Hua93, AH10, HY07].

Understanding [ST00a]. Understandable [MSM+16]. Unique [Van06]. UNITY [Pau01, TB95].

Understandable [MSM+16]. Unification [MM82, DRSS96]. Unified [VSS94]. Uniform [AS80, BP89, Hua93, AH10, HY07].

Understanding [ST00a]. Understandable [MSM+16]. Unique [Van06]. UNITY [Pau01, TB95].

unique [Van06]. UNITY [Pau01, TB95]. universe [DDM11]. Unnecessary [BT93].

Update [Hud91, FGM+07a, GW99].

Updating [HSS+14, TN95, SRW98, SHB+07].

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