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], $ex$
[AW82], || [DDDCG02], A [DES12], $R$
[JMSY92], $R_{Lin}$ [VR95], $\ell$ [ADG94].

$O(nm)$ [Pet82]. $\phi$ [CF95, DR05]. $\pi$ [ABL03].
Abstract [BGL93, BK11, CMB+95, CFG+97, DLR16, ELS+14, EO80, GS98, HL82, JPP91, Lan80, LO94, LV94, LM18, LR13, Loe87, MS94, MP88, SS98, She91, van88, ABS09, BDL+08, BDlBH99, Leu04, RM07, SYYH07, SJ03].

Abstraction [CGL94, CL94, Der85, GMH81, SM81, BMR05, BBTS07, GMZ00, LN02, LH08, MOSS96, PR07, Ell82].

Abstractions [BCF04].

Access [ABLP93, BCC04, KS83, Mis86, NBG13, HR02, HO07, KSK07, PHP02, PSS05].

Access-Right [KS83]. accessed [RR05].

Accessing [CB80].

Accumulation [Bir84, Bir85].

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accuracy [CEG07, HDH02]. accurate [CG04, VBLG04, VALG05].

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ACM [Kro82, Kro83, Kro84, Kro85, Kro86, Kro87, Kro88, Kro90, Kro91, Kro92].

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agents [BCC04]. aggregate [LSLR05].

Alarms [LLK+17].

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Algebraic [BP82, BWP87, Jen97, Lin93, JB06, SP07].

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Algorithmic [BP82, GM12, Loe87].

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[Coh85]. coherence [SS96]. coinduction [San09]. Collecting [HY91]. Collection
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[App94a, Bud84, CM86b, DK17, DEMD00, FT94, FGL94, JSB+12, Rei83, Slo95, Son87, Wha94, YBL16, Ano02a, CMLC06, DHS09, GMM99, KN06, PE08, PHEK99, SYK+05, VHK002]. Compiler-Driven [YBL16]. Compilers [BDHF97, DDH84, HP96, Han94, BGK09, RD97, SY06]. Compiling
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deduction [LMD98]. Deductive [MW80].
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Deleting [GP81]. Delimited [BDM15].
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Director [KS88, KS89]. Directory [Han81b].
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dispatching [GZ07].
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do [SS05a]. Documentation [MH86]. does [DMP96]. dolce [MP10a]. Domain [LM18, Tra08, RM07, SS05a].
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drf [MSM+16]. Drinking [CM84, MS88]. Drive [PK80]. Driven [BL87, CS87, GF85, GSW95, PA85, PA86a, PA86b, YBL16, DGG07, PF96, YMW97].
Dually [MT08]. Dummy [Lam88]. During [BKB80]. DyC [GMP+00]. Dynamic [ACPP91, AGT89, ASF17, BB79, BMD15, Bre89, CTT07, DS98, Dug99, HSS+14, HN05, Kai99, KRR95, RCRH95, Ven95, WR08, dBB85, ACE96, BP12, CE1+07, DDDCG02, GZ07, MMM+07, PHEK99, SJP12, SHB+07, SYK+05, SYN06, WKD04, ZGZ05].
eager [FKW00]. Earley [Lei90]. Early [AB81]. ECCS [CDFP89]. Edge [DP93].
Editing [FL81, HT86, Nix85]. Editor [FM87b, DeM83, Per90, Rep86, Wol92].
Editorial [AP97, App93, AG93, AF94, MP07, Pal11a, Pal11b, Pal12, Pal13, Pal15, FP02, OP04].
Editors [DMM88, MM89, RTD83, Wat94]. EDO [OKN06]. effect [RLS+01]. Effective [BS83, Col84, KKK06, N105, PE08, WJ98, YUW02]. Effectiveness [BdIBH99, SH99]. Effects [Boe85, TA08b].
Efficient [AKBLN89, ADGM91, BB79, BGH+13, Bre89, Cam89, CS95, DP82, DMM88, GZ05, GZ07, GLR83, GLO88, GSO94, HVB+99, HS94, HSS+14, HIT97, JP81, Jon90].
KMK90, KRS88, KPF95, MVV+01, MM82, NB99, N105, PHP02, PXL95, PKH07, PA85, PA86b, RH87, SS08, SA00, SS88, WG98, YUW02, BCP08, GB99, KSV96, LPS004, LS09, PBK+07, TP04, VWJB10, YF98, PA86a, SS09]. Efficiently [Bal94, CFR+91, CF95]. Eiffel [ACE96].
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[AWW95, Wha94, CPR92, JNGG10]. Escape [Bla03, CGS+03]. ESOP’05
[Sag07]. Essential [DES12]. Esterel [Tar07]. Eta [DMP96]. Eta-expansion
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[Bou92]. Evaluating [BLH12]. Evaluation
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Floating-Point
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[HRB90, KPS92, Kna90, SGL98, DR05].
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[BH99]. growth [BALP06]. Guarantee
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High-Level
[Cam89, Fat82, CMS03, VWJB10]. Higher
[AC94, AD98, CJ95, DPP+16, BBTS07,
DF11, SKS11, SP97]. Higher-Order
[AC94, AD98, CJ95, DPP+16, BBTS07,
DF11, SKS11, SP97]. Highly [Her93, Sku95].
Hoare [Apt81, GM81, LS84, Sok87, Yin11].
Hoc [MDCB91]. Holistic [ZMVPJ17].
Homomorphisms [HIT97]. HOP
[BLRS12]. Hybrid [KF10, KS10].
Hyperball [LM18]. hyperdoctrines
[BBTS07].

I-Structures [ANP89]. I/O [Car95]. Icon
[GHK81, Gri82]. id [Bee94]. idempotency
[KOE+06]. Identical [FLBB89].

Identification [BGH+13]. identify
[MMM+07]. Identifying [Ram99, SGL96].
Idioms [PP94]. IDL [Lam87]. IEEE
[Fat82]. Ignorance [GNS+15]. Illustrative
[Oss83]. Impact [OLH+16, CKT86].
Imperative [ABPS98, DFR15, Gro06].
Implementation [AKBLN89, AOC+88,
BCD+15, Bn88, Bres9, BSS83, CRM86,
GMH81, Gaz83, Lin93, MDCB91, PXL95,
RL98, WL85, CMLC06, FMS7a, GB99,
LDM07, LPS004, Tra08, Zho96].

Implementations
[BBF+11, BFGT08, DF98]. Implemented
[DB85]. Implementing [BR97, Her93, HW82,
Sku95]. Implications [Fat82]. Implicit
[BH05b, SJ12]. Implicit-signal [BH05b]. improve
[KF00]. Improved [GHR80, Mur91, KK07].
Improvement [MS83, San96].

Improvements [BCT94]. Improving
[CK94, CMB+95, MCT96, TCP+17, WS97].
impure [Pip97]. incomplete [GLMM05].
Incremental
[Bur90a, CP95, DMM88, GM79, HKR92,
HKR94, HPM80, Hud91, Kais9, Lar95,
LST98, PS92, RTD83, RP88, SGL97, W998,
YS91, BBY9+05, CP96, Van96a, Van96b].
Incrementally [QL91]. Independence
[DHMO00, Rep00]. Independent
[ML80, Mul92]. Index
[Ano86a, Ano89a, Ano89a, Ano90a, Ano91a,
Ano92a, Ano94, Ano95, Ano98]. indexed
[AM01]. indices [RR05]. Direct
[Pi96, CEG07, YK97]. Induction
[GSW95, Sit79]. inefficiencies [MMM+07].
Inessential [SS82, LS84]. Inference
[CEW14, Deb89, Hen93, LO94, LY98, TB98,
Wey83, FFLQ08, JB06, PM06, PTO0, PS03,
Van06]. Influence [FT95]. Information
[AR80, Ano82, Ano83, Ano84, Ano85,
Ano86b, Ano87, Ano88b, Ano90b, Ano91b,
Ano92b, ASF17, BC85b, HRR2, 
NGB13, PBR+15, PS03, GS99, HY07, LN02,
OYR09, TZ07]. Information-Flow
GW99, RS97, Rhi03, SRW98, SKS11, SP97, SWU10, Wol92. Larch [Win87]. Large [GLR83, MK94, MH86, WCW90, WCW91].
Lattice [AKBLN89, MMR95, FH04]. Lauer [GM81]. Layout [KK98, LVV+83, GPWZ08, KF00]. Lazy [ABM93, FKW00, HRR94, Hu91, TCVB14, Chi05]. LCF [Sok87]. lead [SS05a]. Least [AB81, Bac84]. Least-Cost [AB81, Bac84]. Left [FKW98]. Left-Linear [FKW98]. legacy [NCH+05]. length [SMP10]. Lessons [VHM+01]. Let [LY98]. Let-Polymorphic [LY98]. Level [Cam89, Fat82, GP95, YBL16, CMS03, VWJB10].
Liveness [ACW90, GC86, OL82, RY88, HDH02]. LL [BF87]. Load [KPF95]. Loaded [BG89a]. Local [BDFZ90, CBDFG95, PT00, TSBR08, Wei89, Dam03, San96]. Locality [BAC16, MCT96, VALG05, ZSD09]. Locally [AB81, Bac84, Min84]. locating [JNGG10]. Locator [ZMPVJ17]. Lock [GEGP17, KS10]. Lock-Free [GEGP17]. lock-freedom [KS10]. locking [AFF06].

LOCKSMITH [PFH11]. Logic [AS89, AFV98, Apt81, BGL93, BL87, BCD90, BD13, BMPT94, CS04, CES86, CFM94, DW98, Deb89, DL93, Deb95, DJP+16, JPP91, Kar84, LS84, Lam94, MW84, MSJ94, MMG92, SS98, Sok87, TK94, TB95, BBTS07, BMR01, BCG+07, BdlBH99, CU08, CG86, CS99, DDV99, DPPR00, GHb+06, GW99, HVB+99, HPMS00, KWL09, LMD98, Len04, PM06, RKRR04, SRW02, Yin11, dHB+96]. Logical [GGL15, GS98, RSL10, Tar07]. Look [DP82]. Look-Ahead [DP82]. Lookahead [KM81, MF88]. Loop [BAC16, CS87, MCT96, Sit79, RKSR12]. Loops [BAGM12, Boo82, CK94, DB85, FT95, Hay97, Wat91, Ano02b, LS04, LSLR05, Ram99, RDG08, SGL96, UM02]. low [CSCM00]. low-end [CSCM00]. Lower [PW94]. LR [ADGM91, BL94b, BF87, CPRT02, DMM88, Je03, JP17, KC01, LaL81, LaL84, SS82, ST00b]. LR-based [KC01].

[AC96, AGT89, CP95, KPS92, ADR06, Van06]. Matching-Based [CP95].
materializations [RMH06]. Mathematical
[Ban11, Hes88, LW93]. MATLAB [DP99],
MATLAB(R) [JB06]. Matrix [FTJ95].
Matrix-Vector [FTJ95]. Maximal
BG98b, Rep98]. Maximal-munch [Rep98].
Maximization [GL988]. Maximum
[Ban90]. May [Hor97]. May-Alias [Hor97],
MCALIB [FL15]. Measuring [FL15].
Mechanically [DSW11]. Mechanism
[CO90, YB85, DNS+06]. Mechanisms
[Rei83, HMS06]. Mechanizing [Pau01].
Median [Com80]. Medians [KRS84].
mega
ops [MMG00]. member [KF00].
Memory
[AMT14, CK94, Cha93, KZC15, KK98,
KRS88, MSM+16, Mis86, RCRH95, SS88,
ABHI11, BP12, GMM99, GW99, JNG10,
KF00, LK02, Loc13, QRO0, RR05, TSY00,
TP04, VBG04, WCM00, MMM+07],
memory-efficient [TP04].
memory-hierarchy [KF00]. Merge
[Ber94]. Merlin [HBM+06]. Message
[CSW06, SS84, Gor04]. Messages
[BB79, Je03]. meta [Tra08].
meta-programming [Tra08]. Metalevel
[Jag94]. Metaprogramming [CIS4].
Method
[BCD90, BF87, HL82, Ons87, Loc87, JJD98].
Methodology [Ban87, Her93, Sku95].
Methods [DAW88, KM81]. METRIC
[MMM+07]. Mezzo [BPP16].
Microanalysis [HCHP92]. Microcode
[MV87]. Middle [BPD14]. Middle-End
BDP14]. Might [Bee94]. migration
[Pic96]. 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, HM93, HT04, PS03, RD13, Spo86].
Mobile
[LS03, VHB+97, BCC04, KS10, SWU10].
mod [Bou92]. mode [PS08, ZP10]. Model
[AY01, Ang89, BK11, BL87, BGP99, CGL94,
DLR16, ES97, GS98, GS85, GL94, Han81a,
HW82, Hol87, KHR2, MSM+16, MMRG92,
ND16, VSS94, ACM11, AM01, AE01, JJD98,
JPS+08, KN06, KV00, Loc13, NP08, QR00,
SG04, VWJB10, VALG05, YM97].
Model-Checking [ES97, BGP99].
Modeling [AF84]. Modelling [AMT14].
Models [GJ93, KZC15]. Modern
[BCF04, RAB+07]. Modes [Deb89].
modest [LS08]. Modification
[Lei90, RLS+01]. Modula [EO80]. Modular
[AG04, BMPT94, CDK+18, GL94, Jag94,
KKM90, LN15, MBC04, Wei89, YB85,
dJVS12, KV00, MFRW09, MOS07b].
modularity [BA99]. Module
[PA+15, RD13]. Modules
[CL95, HW82, Lam83, HL05]. monadic
[MLH04]. Monitors [BLH12, BH05].
Monolingual [HK85]. Monte [FL15].
Morel [Dha91, DS88, Sor89]. Morphing
[HS11]. Morris [Wis79]. Mostly
[YF09, BBY+05]. Motion [KRS94, Hai98].
MPI [FKJ+17, TSY00]. multi [MF09].
multi-language [WM95]. Multialgebraic
[MML95]. multidimensional [RDG08].
MultiJava [CML06]. Multilisp [Hal85].
multimethod [DAS98]. Multimethods
[CL95]. Multiparty [JS94]. Multiple
[ASF17, NSTD+15]. Multiply [FTJ95].
Multiprocess [Lam79, Lam80].
Multiprocessing [ABR81].
Multiprocessor [GP81]. Multiprocessors
[Cha93, KRS88]. Multisource [MMR95].
Multithreaded
[EPG14, JSB+12, KKW14, NR06].
Multivariate [HAI12]. Multiway
[Cha87, Van96a, Van96b]. munch [Rep98].
Mutandis [SHB+07]. Mutatis [SHB+07].
Mutual [LH91, ABHI11].
Mutual-Exclusion [LH91]. Myths [Gor04].
Package [Hil88]. Paper [GM81]. Parallel [ANP89, BOV85, BO94, BE13, Cha93, CGST95, CMN91, CL94, DS83, Fos96, GLO88, GJ93, GPA+01, HCHP92, HJT97, JF81, Kua90, Mis94, NSZS13, OAA8, Rao94, SS88, BBYG+05, CG86, GB99, HBJ98, KSV96, LK02, MVV+01, RR03, YF98].

Parallelism [Bur84, GP95, KSV96, NB99, PW94, TCVB14, YBL16]. Parallelization [BAC16, BDJ13, PP94, BdlBH99, HAM+05].

Parameter [Gaz83, Zho96]. Parameterization [TWW82]. Parameterized [CGJ97b, CK93, Gaz83, RKSR12]. Parametric [HFC09, MMG92, SRW02, IV06].

Parenthesis [AS80]. Parlog [CG86]. Parsed [Wad90]. Parser [DDH84, JP17, LaL84, SS82]. Parsers [BN99, LaL81, MYD95, PK80, CPRT02, SJ06, ST00b]. Parsing [CH87, DMM88, Fis80, GM79, Lar95, RH87, Sam80, WG98, KCO1]. Part [LaL81, PA85, PA86a, PA86b, Apt81].

Partial [AFV98, CP17, CK93, DS88, Gom92, KCL+99, Sor89, ADR06, BP12, CG04, JG05, LMD98, Len04, ST00b]. Partially [BLH12, Kob98, RR05]. partially-flow-sensitive [RR05]. partitioning [RM07, YF09]. Parts [Son87].


time-efficient [YF98]. write [AE01].


Point [C94, Fat82, GJ05, Han96, Mon08]. Pointer [LS79, RR03, HBCC99, HVD07, PKH07, RLS+01]. Pointers [SS13, RR05]. points [WKD04]. Pointwise [VSS94].


Polymorphic [BMR05, Dug99, HT04, Hen93, KU93, LO94, LY98, Oho95, SIG17, SV96, JW98, BSvGF03, DWWW08].

Polymorphism [Bur90b, MDCB91, HFC09]. polynomial [BAL07]. PolyTOIL [BSvGF03]. polyvariance [LMD98].

Polyvariant [AC94, WJ98]. Polyvariance [LMD98].

PQ [PQ-encoding]. Practical [AD98, BAC16, BF87, CP17, Dia91, ND16, PBR+15, SS13, TSL+02, WC97, Bou05, DR05, DVD07, DGS97, JNZ06, PFH11]. Practice [KRS94, Ryu16, Bla03, DRSS96].
DSW11, Oho07]. proof-carrying [AM01].
Proof-Directed [BDJ13]. Proofs
[Apt86, BC85a, CM86b, JW17, LY98, Oss83, GRSK+11]. Propagation [SR95, WZ91,
Apt00, CP96, SS05a, SS08, SS09].
Properties [ACW90, AS89, Kar84, LM18,
OL82, RY88, TB95, Wei89, YS10].
Proposed [Fat82]. prossima [MP10b].
Protected [PAS+15, WJS+00]. Protocol
[SL92, YS97]. Protocols [MB83, BFGT08, SS96].
Prototype [WCW90, WCW91]. Prototypes [HW82].
provably [GB99]. provenly [AAD+07].
Proving [DGMP97, GC86, Hen86, Kar84,
Lam79, Lam80, OL82]. Pruning [BN99].
PSG [BS86]. publish [Eug07]. publish/
subscribe [Eug07]. Purpose
[App94b, HSS+14, Spo86].
qualifiers [FJKA06]. Quantification
[Vol91, Bur91]. Quantified [Gro06, STS03].
Quantum [FDY12, BH99, Yin11]. Queries
[Bal94]. Queuing [BB79]. Quiescence
[CM86a].
R [AW82, CKT86, KMM+98]. R. [Tic88].
race [AFF06, PFH11]. Races [KZC15].
Random [AS80]. Range [CG95]. Rank
[Dam03]. Ranking [Lee09]. Ratio [CK94].
Rational [GS11]. rationale [CMLC06].
Reach [FKW98]. Reachability [NS13].
Reactive [DFR15, AG04, DGG97]. read
[AEO1, PZJ05]. read-only [PZJ05]. read/
write [AEO1]. Readable [Sp086]. Reading
[Pet83a]. Real [AL94, MMG92, RS84b,
GH97, HK07, L598, YMW97]. Real-Time
[MMG92, RS84b, GH97, HK07, L598,
YMW97]. realities [Gor04]. Reals [DK17].
Reasoning
[BKOZB13, BLRS12, BDP93, BP82, BH99,
CB80, Lam88, LN15, Rao94, TSBR08].
receive [Gor04]. receptive [ABL03].
Recipe [AL94]. reclassification
[DDDCG02]. recognition [ATD08].
Recognizer [GHR80]. Recognizing
[BL94b]. Recombination [Kau84].
Recombination-Delaying [Kau84].
Recompilation [BT93, SK88, Tic86, Tic88].
Reconciling [HU96]. Reconstruction
[YS97]. Record [LS79, Oho95]. Recovery
[AB81, ACS84, Bac84, BF87, PK80, Ric85,
dJKVS12]. recurrences [VJB12].
Recursion
[AK82, Col84, Hen93, KTU93, Mis94, YK97].
Recursive
[AC93, AK82, Ban87, Coh83, Coh85, LBN17,
Sij89, ABE+05, AM01, CF04, Dug02, Pal98].
Recursively [BE13]. Reduce
[BN89, MYD95, BALP06, KOE+06, SS96].
reduced [SG04]. Reducible [Hay97, JC97].
Reduction [Bee94, Bur84, FRW90, Geo84,
KLS92, Mul92, NN86, CSV01].
Redundancies [DS88, Sor89]. redundancy
[KCL+99]. Redundant [Coh83, Coh85].
Reentrant [Bob80]. Reexamination
[CG95]. Refactoring [Ste18, TFK+11].
Reference
[Bob80, Wis79, KSK07, KOE+06, LP06, MDJ05]. reference-counting [LP06].
References [Han92, SY96]. Referencing
[LS81]. Referential [QG95]. Refinement
[BBF+11, BKL+97, BCEM15, CM86a,
DGL+79, GEGP17, JLP+14, MRG88, SL92,
AG04, QG95]. reflecting [HS11]. reflection
[SW97a]. Region [TB98, SYN06].
region-based [SYN06]. regions [RR05].
Register [BCT94, CH90, GSO94, JLF02,
RDG08, SH89, GA96, HCS10, LGAT00,
PM04, PS99, PF96, TP04]. registers
[ZP07]. Regular [CC97, HVP05, LaL81].
Relation [LBN17, MTC80]. Relational
[BKOZB13, CB80, GS98, TLHL11, JJD98,
JLRS10]. Relations [ELS+14, HT86, LH08].
Relationship [BS88]. Reliability
[LM18, WN08]. Reliably [TCP+17]. Rely
[GEGP17, LFF14]. Rely-Guarantee
[GEGP17]. Rely-Guarantee-Based
[LFF14]. Remembrances [PM09]. Remote
[BCP08, SG90]. Removal [AK82].

Rendezvous [Cha87]. Renvoice
[DH91, DS88, Sor89]. Reoptimization
[PS92]. reordering [YUW02]. Repair
[BN99, MF88, MYD95, KC01]. Repairing
[CPRT02]. Replacement [MM89].

Replicate [Rb94]. replication [RD03].

Reply
[Bur91, Fra81, LaL83, Tan83, Wir91, SM82].

Representation
[DGL+79, Mul92, SM89, Wad90, Wan82, Mil85].

Representation-Independent [Mul92].

Representations
[Lam87, RF97, Wa80, Wai81, BGP99].

Reshaping [ZCG+07]. Resilient [WL85].

Resolution
[ABR81, Bak82]. Resolved
[SIG17]. Resource
[CS95, Cla80, MK05, MQ05, BDFZ09, CEI+07, HR02, HA12].

Resources
[And81, FLBB89]. Respect
[Gaz83]. Response
[Tie88].

Responsiveness
[HU96]. Restores
[Wis79].

Result
[Ven95, BGP99, SYYH07]. Retargetable
[DF80, DF81, MV87]. Retention
[LS81].

Retraining [NCH+05]. reuse
[DNS+06, GW99, ZSD09]. Reversal
[ACS84]. Reverse
[PS08]. Reverse-mode
[PS08]. Revised
[SIG17]. Revision
[FM87b]. revisited
[MDJ05, Zho96].

Revisiting
[DI09]. Rewrite
[FKW98, Ass00]. Rewriting
[KKSD94, BCM99, DDD03, FKW00, GRSK+11, MMM+07]. Right
[KS83, LaL81, SJ06]. Rings
[BP89, Hua93].

RISC
[PS93]. Rivieres
[Hen83]. RMI
[MVV+01]. Robust
[LS83]. Roever
[Mol83]. role
[Apt00]. Roman
[PB97].

Rounding
[FL15]. Row
[MM89]. rule
[HQRT02]. Rules
[GL80, JTM98, SS84, LS09, SSD09]. Run
[ISY88, TZ07, GMP+00]. Run-Time
[ISY88, TZ07, GMP+00]. Runtime
[BLH12, BEF+16, TCVB14, BH05a, TSY00].

S
[HCW82]. S/SL
[HCW82]. Safe
[AWW95, DG02, JW17, 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].

Scalability
[TCP+17]. Scalable
[FT94, XA07]. ScalaExtrap
[WM12].

Scaling
[TCP+17]. scan
[PS99]. Scanners
[HKR92]. Scanning
[VC15]. Scavengers
[UI02]. Schanuel
[KPS92]. schedulability
[GH97]. schedule
[TVAO7]. Scheduler
[TCVB14]. schedules
[MH04].

Scheduling
[BG98b, FGL94, KR79, KPF95, LPP01, LK99, 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
[VIK02]. Search
[Dar90, BH99, SS05a]. Searching
[CC97].

Section
[Wol92]. Secure
[BCEM15, PAS+15, BBF+11, HY07].

Security
[RB94]. security
[BFGT08, BFG08]. see
[BR10]. Selection
[DF84, SSS81]. Selective
[Min84, OLR+16, ME97]. Self
[BP89, DHS09, Gho93, Gem92, ABB+09]. self-adjusting
[ABB+09]. Self-applicable
[Gem92]. Self-Stabilization
[Gho93, DHS09]. Self-Stabilizing
[BP89]. Semantic
[AAR+10, AWW95, GGL15, MH06].

Semantics
[ABHI11, An87, AB94, AW82, BGL93, Ber94, BLRS12, Bou88, Boy10, CPSS93, CD79, FA93, GM81, Gud92, Han94, JPP91, Kai89, Mul92, NF89, Set83, Son84, WM95, Wan82, dBB85, ACE96, BMRO1, Bou06, GZ04, MF09, PCJD08, SWU10, SJ03, Tar07, WKD04].
Sublinear [RD87]. Sublinear-Space
[RD87]. Submodule [MB83]. Subroutines
[SA99]. Subscript [CG95]. Subsequence
[Han92]. Subset [BL87]. Substrings
[BL94b, Han92], subtype [Duc08, KR01].
Subtypes [Vol91, Bur91]. Subtyping
[AC96, AC93, GGL15, LN15, LBN17, LW94,
GZ05, IV06]. Subtyping-Relation
[LBN17]. SUIF [HAM+05]. Supercompiler
[Tur86]. Superimposition [Kat93].
Support [Bal94, D90, Fea87, LS83, MK94,
Wei90, TSY00]. Supporting [RCRH95].
Supports [APPS98]. Suppression
[DS88, FGL94, S90, JN91]. Survey
[Apt81, GPA+01]. Suspension [CFM94].
Symbol [ABR81, Rei83]. Symbolic
[Di90, HP96, Hal85, Hen82, RR05, YMW97,
BGP99, MPM03, CM93, WST85].
Symmetric [FY85]. Symmetry
[ES97, SG04]. Synchronization
[Bag89, D9+16, Her91, KRS88, RS84b,
Sch82, CGS+03, DHM+12, Ram00, RD03].
synchronization-sensitive [Ram00].
Synchronizing [And81]. Synchronous
[CS87, TLH11]. synchrony [CS04].
Syntactic
[BF87, GMZ00, MF88, PK80, W82]. Syntax
[DD98, Ode93, Ric85, SS93]. Synthesis
[AE98, AE01, AE04, Ban87, BDJ13,
BKL+97, Cla80, MW80, MW84, MV87].
System [AFdR80, AW85, BS86, Bou88,
CB80, Fea82, GD82, GP81, Han81b, HM84,
JMSY92, LR13, ML80, M83, MHS6, PO95,
RD13, SA99, WC97, BH05a, FH04, FMM99,
HO07, JB06, KS10, MTSS99, NP08, PE08,
STSP05, MWCG99]. systematic
[DF89, PSS05]. Systems
[ABL93, AR84, AC84, BKS88, BG9a,
BDP93, CI84, CDFP99, CBDFG95, CES86,
CPS93, DAW88, Fae87, FKW98, Hen86,
Jag94, Jon94, JTM98, Kar84, Kat93, Kau84, Lam84, LW93, Mis86, WGS92, WGS93, WCW90, van88, Ass00, AE98, BCP08, BCM99, BGP99, CSMC00, DGG97, GS11, TP04, T207, YMW97, WCW91. Systolic [Hen86].


technique [BS88, Bur90b, Bur91, Coh91, CM93, DS88, Ell82, FA93, Fra81, Hen83, LaL83, LaL84, Moh81, Moll83, MS88, NN86, Par90, Pen83, Sor89, SM82, Tan83, Tie88, Vol91, WST85, Wir91, YB88, MMG00].

Temporal [AS89, CBDGF95, CES86, Kar84, Lam94, MW84, GS99, KWL90].

temporal-ordering [SS99].

Temporal [AS89, CBDGF95, CES86, Kar84, Lam94, MW84, GS99, KWL90].

temporal-ordering [SS99].

temporaries [RMH06].

Temporal [AS89, CBDGF95, CES86, Kar84, Lam94, MW84, GS99, KWL90].

temporal-ordering [SS99].


Termination [AF84, Apt86, BAGM12, BCG*07, CDK*18, Fra80b, GJ05, HSP83, MC82b, TM93, BAL07, BA08, DDV99, GRSK*11, Lee09, PR07, SMP10, Fra80a, Moh81].

Test [Wey83, WW95, Dwn08].

Testing [AMT14, GMH81, TK94].

Tests [Coh91, Koz97, Wir91, GZ05]. Text [CC97].

Their [Kam83, LaL84, SS82, PS96].

Theoretic [ES97, Sha82, KV00]. Theories [NSTD+15, Bou06]. Theory [CZ84, KD94, KRS94, NBG13, Ryu16, TLHL11, CGP09, MH06, Oho07, Pau01, SS05b, Blao3, FG03].

ThingLab [Bor81]. things [PM09].

Thinking [WLBF16]. Thinning [Web95].

Third [Wol92]. ThisType [Ryu16].

Thread [YBL16]. Thread-Level [YBL16].

threaded [TSY00]. Three [Oss83].

Tichy [Tic88]. tiling [JLF02, LS04, RKR12].

Time [AL94, ABR81, BL94b, BLH12, Coh91, DLR16, Hol87, ISY88, Jef85, Lam84, MMG92, PS93, RS84a, RS84b, Wir91, YR94, Zic94, BAL07, BALP06, BKRW98, BKRW05, DDD05, GH97, GMP*00, GB99, GW99, HK07, LS98, LPFO1, LS09, Mi85, Ram99, Rep98, SYK*05, Tra08, TZ07, Wu04, YMW97, LW93].

Time-Constrained [Zic94, LPP01]. Time-Critical [PS93].

time-efficient [GB99].

Timed [Zic94].

Timeout [Lam84]. Timing [LJ99].

tokenization [Rep98]. Tolerance [LJ99].

Tolerant [CS95, Lam84, AAE04]. Tool [CPS93]. Toolkit [BDHF97].

toolkits [VHM+01].

Tools [van88].

TOPLAS [MP10a, MP10b]. topology [DDM11].

Total [San96].

Trace [FG94, WS92, Ban11, RM07, SJ03, WS93, WM12].

Trace-Based [WS92, WS93, WM12].

traces [HBM*06, WR08].

Tracing [BL94a, DLR16, MMM+07].

tradeoffs [ZGZ05].

Trailing [VR95].

Traits [DNS+06].

transactional [ABHI11, CFP*04].

Transactions [HKMN94].

Transducer [DVM15].

Transducer-Based [DVM15].

Transformation [BKB80, Faa82, FL91, NSS13, Wat91, RKRR04, San96, TSY00, WZ07].

Transformational [BDHF97, Bir84, Bir85, DS82, OA88, RC03].

Transformations [Bar85, EGM01, Geo84, LD81, LFF14, MS83, MCT96, Nie85, FGM+07a, KWL09, MOS07a, VALG05, WS97, Hen83, NN86].
Pet83b, Rem81, Sch85, BGP99, HVB+99, NS13, SV96. **Variant** [IV06]. variants [FG03]. **Variational** [CEW14]. **Vector** [AK87, Bud84, Fis80, FTJ95, KD94, Per79, KK07]. **Verifiable** [YB85]. Verification [App15, BDP14, BCD+15, CDFP89, CES86, CPS93, DiI90, EGP14, GL94, Jon94, JTM98, KKW14, LFF14, LJ99, LS79, NBG13, RY88, BDL+08, GPFO8, GM12, Qia00]. Variant [IV06]. variants [FG03]. Variational [CEW14]. Vector [AK87, Bud84, Fis80, FTJ95, KD94, Per79, KK07]. Verifiable [YB85]. Verification [App15, BDP14, BCD+15, CDFP89, CES86, CPS93, DiI90, EGP14, GL94, Jon94, JTM98, KKW14, LFF14, LJ99, LS79, NBG13, RY88, BDL+08, GPFO8, GM12, Qia00].

**References**

Ancona:2007:PCT


Attie:2004:SFT


Ahmed:2010:SFT

REFERENCES

Anderson:1981:LLC

Arbab:1994:SCD

Acar:2006:AFP

Abadi:2011:STM

Amadio:2003:RDC

Abadi:1993:CA
C. Martín Abadi, Andrew Birrell, Butler Lampson, and Gordon Plotkin. A calculus for access control in distributed systems. *ACM Trans-

Afek:1993:LC


Apt:1998:AIL


Amadio:1993:SRT


Ashley:1994:FCP

REFERENCES


Afek:1994:BFF


Ancona:1991:ECL


Appel:2006:FPE


Attie:1998:SCS


Attie:2001:SCP


Apt:1984:MDT


Appel:1994:E

REFERENCES

ISSN 0164-0925 (print), 1558-4593 (electronic).

Apt:1980:PSC

Abadi:2006:TSL

Alpuente:1998:PEF

Appel:1993:Eb

Alur:2004:MRH

Alur:1998:FF

Aho:1989:CGU

Aho:1989:CGU

REFERENCES

**Apel:2010:CUF**


**Aung:2014:SS**


**Arsac:1982:STR**


**Allen:1987:ATF**


**Ait-Kaci:1989:EIL**


**Alglave:2017:DSF**


**Ait-Kaci:1994:FPC**


**Abadi:1993:CS**

Martín Abadi and Leslie Lamport. Composing specifications.
REFERENCES


Abadi:1994:OFR


Abadi:1995:CS


Ancona:2003:JDJ


Atkinson:1985:PPD


Appel:2001:IMR


Alglave:2014:HCM


REFERENCES

ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).

Anger:1989:LIC


Anonymous:1982:IA


Anonymous:1983:IA


Anonymous:1984:IA


Anonymous:1985:IA


Anonymous:1986:AI


Anonymous:1986:IA


Anonymous:1987:IA


Anonymous:1988:AI


REFERENCES


REFERENCES

Abadi:2007:E

Appel:2015:VCP

Apt:1981:TYH

Apt:1986:CPD

Apt:2000:RCC
Andrews:1980:AAI


Appelbe:1984:ECS


Arnold:1980:URG


Alpern:1989:VTP


Austin:2017:MFD


Assmann:2000:GRS


Arenaz:2008:XEF

Manuel Arenaz, Juan Touriño, and Ramon Doallo. XARK: an extensible framework for automatic recognition of computational kernels. *ACM Trans-


REFERENCES

ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).


Tim Brecht, Eshrat Arjomandi, Chang Li, and Hang Pham. Con-
trolling garbage collection and heap growth to reduce the execution time of Java applications. ACM Transactions on Programming Languages and Systems, 28(5):908–941, September 2006. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).


[BBC16] Somashekaracharya G. Bhaskaracharya, Uday Bondhugula, and Albert Cohen. Automatic storage optimization for arrays. ACM


Antonio Brogi and Paolo Ciancarini. The concurrent language, Shared Prolog. *ACM Transactions on Programming Languages and Systems*, 1991:CLS.
REFERENCES


Bugliesi:2004:ACM

Bossi:1990:MSL

Betts:2015:DIV

Bugliesi:2015:ART

Benton:2004:MCA

Bruynooghe:2007:TAL

Bottoni:1999:SDC
P. Bottoni, M. F. Costabile, and P. Mussio. Specifica-
REFERENCES

Bhatia:2008:RSE

Briggs:1994:IGC

Bergstra:1997:TCT

Bartoletti:2009:LPR

Blackburn:2016:TWT
REFERENCES

CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).


REFERENCES

Bernstein:1980:OGN


Berzins:1994:SMS


Burke:1987:PML


Bhargavan:2008:VPB

Karthikeyan Bhargavan, Cédric


 REFERENCES


[Bir84] R. S. Bird. The promotion and accumulation strategies in transformational programming. *ACM Transactions on Programming Languages and Systems*, 6


REFERENCES

Buchsbaum:2005:CNS


Back:1988:DCA


Bic:1987:DDM


Ball:1994:OPT


Bates:1994:RSL


Blanchet:2003:EAJ


Bodden:2012:PEF

REFERENCES

Bloss:1994:PA


Boudol:2012:RA


Blume:1999:DAS


Bistarelli:2001:SBC


Ball:2005:PPA

[BM05] Thomas Ball, Todd Millstein, and Sriram K. Rajamani. Polymorphic predicate abstraction. ACM Transactions on Programming Languages and Systems, 27
REFERENCES


REFERENCES

ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).


REFERENCES


[Bre89] R. P. Brent. Efficient implementation of the first-fit strategy

G. N. Buckley and Abraham Silberschatz. An effective implementation for the generalized input-output construct of CSP. *ACM Transactions on Programming Languages and Systems*, 5(2):223–235, April 1983. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic). They present a distributed algorithm for CSP output guards based on priority ordering of processes. Their algorithm has the property that two processes that can communicate and do not establish communication with a third process will communicate within a bounded time.


Timothy A. Budd. An APL


Carlisle:1995:TCC


Castagna:1995:CCC


Cattell:1980:ADC


Casanova:1980:FSR


Charron-Bost:1995:LTP


Click:1995:CAC


Clarke:1997:URE

REFERENCES


DEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).

Cytron:1991:ECS


Clark:1986:PPP


Chin:1995:ROA


Christensen:2004:OPE


Calder:1997:EBS


Clarke:1997:VPN

REFERENCES


REFERENCES


[Carr:1994:IRM] S. Carr and K. Kennedy. Improving the ratio of memory op-


REFERENCES


REFERENCES


Cohen:1991:TCT

Colussi:1984:RES

Comer:1980:NMS

Copperman:1994:DOC
Max Copperman. Debugging optimized code without being misled. ACM Transactions on Programming Languages and Systems, 16(3):387–427, May 1994. CODEN ATPSDE. ISSN 0164-0925
REFERENCES


[CRN+08] Daniel E. Cooke, J. Nelson Rushton, Brad Nemanich,
REFERENCES


[CSV01] Keith D. Cooper, L. Taylor Simpson, and Christopher A.

Carlsson:2006:MAC


Collberg:2007:DGB


Cheney:2008:NLP


Constable:1984:TTP


Damiani:2003:RIT


Darlington:1990:SDG


Dujardin:1998:FAC

REFERENCES


Peter Dencker, Karl Dürre, and Johannes Heuf-


[Demillo:1983:GEI]

DeMillo:1983:GEI


Debray:1989:SIM


Debray:2000:CTC


Dershowitz:1985:PAI

Nachum Dershowitz. Program abstraction and instantiation.
REFERENCES


REFERENCES


Dams:1997:AIR


Dew:1979:PRE


DeBoer:1997:PCC


Duesterwald:1997:PFD


Dhandhere:1991:PA


delBanda:1996:GAC

Transactions on Programming Languages and Systems, 18(5): 564–614, September 1996. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).


DeLaBanda:2000:ICL


Dolby:2012:DCA


Dolev:2009:SSP


DeMoura:2009:RC


Dillon:1990:USE


DeJonge:2012:NFE


Dodds:2016:VCS

Mike Dodds, Suresh Jaganathan, Matthew J. Parkinson, Kasper Svendsen, and Lars

Darulova:2017:TCR


Drinic:2007:PPC


Debray:1993:CAL


Dissegna:2016:AIB


Degano:1988:EIL


Diwan:2001:UTA


Danvy:1996:EED

Olivier Danvy, Karoline Malmkjær, and Jens Palsberg. Eta-expansion does the trick. *ACM Transactions on Programming Languages and Systems*, 18(6):
REFERENCES


Ducasse:2006:TMF

Stéphane Ducasse, Oscar Nierstrasz, Nathanael Schärli, Roel Wuyts, and Andrew P. Black. Traits: a mechanism for fine-grained reuse. *ACM Transactions on Programming Languages and Systems*, 28(2):331–388, March 2006. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).

DeRemer:1982:ECL


Dhamdhere:1993:EAB


Debray:1997:ICF


DeRose:1999:TTM


Dovier:2000:SCL


Das:2005:PFI


Dawson:1996:PPU


Dekel:1983:PGP


Drecchsler:1988:TCS


Dewan:1990:ASA


Dhamdhere:1998:DCD

REFERENCES

Dewar:1982:TDG

Derrick:2011:MVP

Ducournau:2008:PHA

Duggan:1999:DTD
Dominic Duggan. Dynamic typing for distributed programming in polymorphic languages.

Duggan:2002:TSL

DeSutter:2007:PID

Danton:2015:FTB
Debray:1989:FCL


Dantas:2008:APA


Etalle:2001:TCP


Esparza:2014:PBV


Ellis:1982:TCS


Elder:2014:ADA


Ernst:1980:SAD


Emerson:1997:USW


Eugster:2007:TBP


Finlay:1993:TCC


Fateman:1982:HLL


Feng:2012:BQP


Feather:1982:SAP


Feather:1987:LSS


Flanagan:1999:CSB

ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).


REFERENCES

ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).


REFERENCES


REFERENCES


REFERENCES

ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).


References

George:1984:TRS

Ganapathi:1985:AGD

Gini:1985:DWM

Gesbert:2015:LAD

Griswold:1980:AUP

Gerber:1997:SR

GarciaDeLaBanda:1996:GAC
REFERENCES

Griswold:1981:GI
Ralph E. Griswold, David R. Hanson, and John T. Korb. Generators in Icon. *ACM Transactions on Programming Languages and Systems*, 3(2):144–161, April 1981. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).

Ghosh:1993:ASP

Graham:1980:ICF

Gallager:1983:DAM

Giegerich:1983:FFD

Gupta:1993:APE

Glenstrup:2005:TAS

Garlan:1994:TAM
David Garlan, Charles W. Krueger, and Barbara S. Lerner.
REFERENCES


Gries:1980:APC


Grumberg:1994:MCM


Gavanelli:2005:DIK


Greenberg:1988:SEA


Gottlieb:1983:BTE


Ghezzi:1979:IP


Greif:1981:SSW

Irene Greif and Albert R. Meyer. Specifying the semantics of while

Ganty:2012:AVA


Gannon:1981:DAI


Ghosh:1999:CME


Grant:2000:BCD


Gange:2015:IAM

Graeme Gange, Jorge A. Navas, Peter Schachte, Harald Søndergaard, and Peter J.

Gomard:1992:SAP


Gorlatch:2004:SRC


Grit:1981:DIT


Girkar:1995:ETL


Gupta:2001:PEP


Gal:2008:JBV


Grothoff:2007:EOC

Gil:2008:TDB


Gries:1979:SEB


Griswold:1982:EEI


Grossman:2006:QTI


GRSK+11


Giacobazzi:1998:LMR


Gloy:1999:PPU

Gawlitza:2011:SSR


Gupta:1994:ERA


Gerlek:1995:BIV


Garcia:2014:FTO


Gudeman:1992:DSG


Grosser:2015:PAG


Gudjonsson:1999:CTM


REFERENCES

Hall:2005:IPA


Hansen:1981:CMI


Hanson:1981:APP


Hansen:1992:SRF


Hannan:1994:OSD


Harel:1980:PNA


Hauser:1996:HFP


Havlak:1997:NRI

[Hav97] Paul Havlak. Nesting of reducible and irreducible loops.

Hind:1999:IPA


Harman:2009:DCS


Hassen:1998:TDP


Hertz:2006:GOL


Hickey:1992:CAM


Huang:2010:DBR

Yuqiang Huang, Bruce R. Childers, and Mary Lou Sofla. Detecting bugs in register allocation. ACM Transactions
REFERENCES

94


Holt:1982:ISS


Hirzel:2002:UTL


Hennessy:1982:SDO


Henderson:1983:TCL


Hennessy:1986:PSS


Henglein:1993:TIP


Herlihy:1991:WFS

Herlihy:1993:MIH


Hesselink:1988:MAN


Haynes:1987:ECP


Hosoya:2009:PPX


Hennessy:1983:PCO


Hall:1996:TCH


Hilfinger:1988:APD

REFERENCES


**Hu:1997:FDE**

**Heering:1985:TMP**

**Haines:1994:CFC**

**Heering:1992:IGL**

**Heering:1994:LIP**

**Herlihy:1982:VTM**
Maurice P. Herlihy and Barbara Liskov. A value transmission


REFERENCES


Henzinger:2002:AGR


Hennessy:2002:IFV


Horwitz:1990:ISU


Huang:2011:MSS


Hirzel:2017:SEL


Hart:1983:TPC


Hayden:2014:KEG

[HSS+14] Christopher M. Hayden, Karla

Horwitz:1986:GEE


Helsen:2004:PSM


Hudson:1991:IAE

REFERENCES


REFERENCES

Igarashi:2005:RUA

Igarashi:2001:FJM
Atsushi Igarashi, Benjamin C. Pierce, and Philip Wadler. Featherweight Java: a minimal core calculus for Java and GJ. *ACM Transactions on Programming Languages and Systems*, 23(3):396–450, May 2001. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).

Inoue:1988:AFP

Igarashi:2006:VPT

Iverson:1979:O

Jagannathan:1994:MBB

Jay:2004:PC

Joisha:2006:AAS
Pramod G. Joisha and Prithviraj Banerjee. An algebraic array shape inference system for MATLAB(R). *ACM Transactions on Programming Lan-
REFERENCES

Janssen:1997:MGR


Jefferson:1985:VT


Jeffery:2003:GLS


Jensen:1997:DPA


Juelich:1981:CAS


Jackson:1998:IFM


Jimenez:2002:RTN

Marta Jiménez, José M. Llaberia, and Agustín Fernández. Register tiling in nonrectangular iteration spaces. *ACM Transactions
REFERENCES

Jagannathan:2014:ARV


Jerey:2010:ESA


Jeannet:2010:RAI

Bertrand Jeannet, Alexey Logi

Joshi:2006:DPA


Jones:1983:TST


Jones:1990:EEC

Jonsson:1994:CSV


Jazayeri:1981:SES


Jourdan:2017:SPC


Jagadeesan:1991:FAS


Jacobs:2008:PMC


Joung:1994:CF


Joisha:2012:TTE

Pramod G. Joisha, Robert S. Schreiber, Prithviraj Banerjee, Hans-J. Boehm, and Dhruba R. Chakrabarti. On a technique for transparently empowering classical compiler optimizations

**Juan:1998:CVC**


**Jakobs:2017:PPF**


**Kaiser:1989:IDS**


**Katayama:1984:TAG**


**Katz:1993:SCC**

REFERENCES


REFERENCES


Kistler:2003:CPO


Knowles:2010:HTC


Keen:2004:JFD


Kaiser:1992:OBP


Kennedy:1998:ADL


Karkare:2007:IBC


Korach:1990:MTD

REFERENCES

Kawahito:2006:ESE

Kennaway:1994:AGR

Kaiser:2014:WAM

Koopman:1992:CBC

Kristensen:1981:MCL

Kelly:1998:OCC

Klein:2006:MCM
Gerwin Klein and Tobias Nipkow. A machine-checked model for a Java-like language, virtual machine, and compiler. *ACM Transactions on Program-
REFERENCES

Knapp:1990:EFD


Kobayashi:1998:PDF


Kim:2006:ERI


Kozen:1997:KAT


Kurlander:1995:EIS


Katzenelson:1992:TMT


Kobayashi:1999:LPC

Naoki Kobayashi, Benjamin C.

Kennedy:1979:DAG


Knoblock:2001:TES


Krogh:1982:AAP


Krogh:1983:AAP


Krogh:1984:AAP


Krogh:1985:AAP


Krogh:1986:AAP


Krogh:1987:AAP

F. T. Krogh. ACM algorithms policy. ACM Transactions on Programming Lan-
REFERENCES


REFERENCES


REFERENCES


REFERENCES

LaLonde:1984:TCC


LaLonde:1989:DFD


Lamport:1979:NAP


Lamport:1980:CNA


Lamport:1983:SCP


Lamport:1984:UTI


Lamb:1987:ISI


Lamport:1988:CPB

[Lam88] Leslie Lamport. Control predicates are better than dummy variables for reasoning about program control. *ACM Transactions on Programming Languages and Systems*, 10(2):267–281, April 1988. CODEN
REFERENCES

116

ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).


REFERENCES


REFERENCES


[LK02] Peizong Lee and Zvi Meir Kedem. Automatic data and computation decomposition on distributed memory parallel computers. *ACM Transactions on Programming Languages and
REFERENCES


[Loc13] Andreas Lochbihler. Making the Java memory model safe. ACM Transactions on Programming Languages and Systems, 35
REFERENCES


Karl Lieberherr, Boaz Patt-Shamir, and Doug Orinles. Traversals of object structures:
References

Lim:2013:TSG
Lim:2013:TSG


Luckham:1979:VAR
Luckham:1979:VAR


Leverett:1980:CSD
Leverett:1980:CSD


Lindstrom:1981:RRB
Lindstrom:1981:RRB


Liskov:1983:GAL
Liskov:1983:GAL


Lamport:1984:HLC
Lamport:1984:HLC


Lang:1998:SAE
Lang:1998:SAE

REFERENCES


[LSP82] Leslie Lamport, Robert Shostak, and Marshall Pease. The Byzantine generals problem. *ACM Transactions on Programming Languages and Systems*, 4(3):382–401, July 1982. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic). 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.

REFERENCES


League:2002:TPC


Lengauer:1979:FAF


LeCharlier:1994:EEG


Lee:1998:PAF

[LY98] Ouksel Lee and Kwangkeun Yi. Proofs about a folklore let-polymorphic type inference al-

Lipton:1983:VLP


Leivent:1993:MFT


Liskov:1994:BNS


**Mallgren:1982:FSG**


**Merlin:1983:CSS**


**Morris:1999:SF**


**Millstein:2004:MTH**


**Morris:2009:TTN**


**Misra:1982:DGA**


**Misra:1982:TDD**

REFERENCES

125


Carlmark:1982:VLD


McG82


MCT96


MDCB91


MDJ05


ME97


MF88

Jacob Matthews and Robert Bruce Findler. Operational semantics...

**Millstein:2009:EMP**


**Moriconi:1986:PSP**


**Mirani:2004:FCM**


**Merro:2006:BBS**


**Milne:1985:CRC**


**Minsky:1984:SLC**


**Misra:1981:EPE**

Misra:1986:AMA


Misra:1994:PSP


Micallef:1994:EAG


Ma:1980:DMI


Martelli:1982:EUA


Myers:1989:RRA


Markstrum:2010:JDP

REFERENCES


REFERENCES

Monniaux:2008:PVF

Morgan:1988:SS

Moller:2007:SVX

Müller-Olm:2007:AMA

Moller-Olm:2007:AMA

Müller-Olm:2007:AMA

Moller:2007:SVX

Müller-Olm:2007:AMA

Moller:2007:SVX

Müller-Olm:2007:AMA
REFERENCES

0164-0925 (print), 1558-4593 (electronic).

McKinley:2007:ECG

McKincrey:2010:DVT

McKinley:2010:PVT
Kathryn S. McKinley and Keshav Pingali. La prossima vita at TOPLAS. *ACM Transactions on Programming Languages and Systems*, 32(6):20:1, August 2010. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).

Menon:2003:FSA

Moreau:2005:RAP

Morgan:1988:RC

Maher:1983:API

Murphy:1988:NDP


**Murtagh:1991:ISM**


**Mueller:1987:RMS**


**Mulkers:1994:LSD**


**Manna:1980:DAP**


**Manna:1984:SCP**


**Mulkers:1994:LSD**


**Morrisett:1999:SFT**

Greg Morrisett, David Walker, Karl Crary, and Neal Glew.
REFERENCES


McKenzie:1995:ERS


Myers:1990:CUI


Myers:2017:F


Narlikar:1999:SES


Nanevski:2013:DTT


Necula:2005:CTS

REFERENCES

ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).

Norris:2016:PAM


Nelson:1989:GDC


Nielson:1986:TCC


Nguyen:2005:EEA

[NI05] Thi Viet Nga Nguyen and François Irigoin. Efficient and effective array bound checking.

Nelson:1979:SCD


Naik:2008:TSE


Nanda:2006:ISM


Nikolic:2013:RAP


Nowatzki:2015:SFS


Nandivada:2013:TFO


Olderog:1988:FPP

REFERENCES

**Odersky:1993:DCD**


**Olmedo:2018:CPP**


**Oh:2014:GSA**


**Ohori:1995:PRC**


**Ohori:2007:PTM**


**Ogasawara:2006:EED**


**Owicki:1982:PLP**


**Oh:2016:SXS**

[OLH+16] Hakjoo Oh, Wonchan Lee, Kihong Heo, Hongseok Yang, and Kwangkeun Yi. Selective X-sensitive analysis guided by im-
REFERENCES


**Odersky:2004:GE**


**Oppen:1980:P**


**Ossefort:1983:CPC**


**O’Hearn:2009:SIH**


**Pingali:1985:EDD**


**Pingali:1986:CFI**


**Pingali:1986:EDD**

Palsberg:1995:CA


Palsberg:1998:EBF


Palsberg:2011:E


Palsberg:2011:EN


Palsberg:2012:E


Palsberg:2013:E


Palsberg:2015:E


Parnas:1990:TCI


Patrignani:2015:SCP

[PAR+15] Marco Patrignani, Pieter Agten, Raoul Strackx, Bart Jacobs,
REFERENCES


Paulson:2001:MTP


Papadimitriou:1980:PBH


Pingali:1997:OCD


Paz:2007:EFC


Porter:2015:PFG


Park:1985:NAL


Preda:2008:SBA

Mila Dalla Preda, Mihai Christodorescu, Somesh Jha, and Saumya

Pan:2008:PFE


Pemberton:1983:TCT


Perrott:1979:LAV


Perry:1990:GEI


Peterson:1982:UAC

Gary L. Peterson. An $O(n \log n)$ unidirectional algorithm for the circular extrema problem. *ACM Transactions on Programming Languages and Systems*, 4(4):758–762, October 1982. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic). Peterson presents a deterministic distributed algorithm for finding the largest of a set of $n$ uniquely numbered processes in a ring. The algorithm requires $O(n \log n)$ messages in the worst case, and is unidirectional. The number of processes is not initially known.

Peterson:1983:CRW


Peterson:1983:NSL

Gary L. Peterson. A new solution to Lamport’s concurrent programming problem using small shared variables. *ACM
REFERENCES


Proebsting:1996:DDR


Pratikakis:2011:LPS


Pip97


Poletto:1999:CTL


Piq96


Paek:2002:EPA


Piper:1997:PVI
142

REFERENCES

Pai:1980:GCR

Paige:1982:FDC

Pearce:2007:EFS

Park:2004:ORC

Payet:2006:NIL

Pingali:2009:RTP

Palsberg:1995:TSE

Peng:1991:DF
REFERENCES


**Pinter:1994:POP**


**Proebsting:1995:BAG**


**Prywes:1979:UNS**


**Park:2008:PLB**


**Palem:1993:STC**


**Podelski:2007:TP**

Andreas Podelski and Andrey Rybalchenko. Transition predic-
REFERENCES


REFERENCES


Zhenyu Qian. Standard fixed-point iteration for Java byte-

**Quong:1991:LPI**


**Quillere:2000:OMU**


**Ranganath:2007:NFC**


**Ramalingam:1994:UA**


**Ramalingam:1999:ILA**


**Ramalingam:2000:CSS**

REFERENCES


REFERENCES


Rinard:2003:ESB


Rossberg:2013:MMM


Rong:2008:RAS


Reiss:1983:GCS


Rem:1981:APN


Reps:1986:GEI


Reps:1998:MMT

REFERENCES

Rosenkrantz:1987:EAA

Rhiger:2003:FEL

Richter:1985:NSE

Roychoudhury:2004:UFT

Renganarayan:2012:PLT

Ramsay:1997:SRM

Rosenkrantz:1987:EAA

Reps:2000:UCS

Rhiger:2003:FEL

Richter:1985:NSE

Roychoudhury:2004:UFT

Renganarayan:2012:PLT
REFERENCES


REFERENCES


Sukyoung Ryu. ThisType for object-oriented languages: From theory to practice. *ACM Transactions on Programming Languages and Systems*, 38(3):8:1–8:??, May 2016. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).


REFERENCES


Strickland:2013:CFC


Sethi:1983:CFA


Stamos:1990:RE


Sistla:2004:SRS


Sreedhar:1996:ILU


Sreedhar:1997:ICD


Sreedhar:1998:NFE

Steenkiste:1989:SIR


Sharir:1982:SOC


Stoyle:2007:MMS


Sheard:1991:AGU


Sekiyama:2017:PMC


Sijtsma:1989:PRL


Sipala:1982:CSB

REFERENCES

Sites:1979:CLI


Spoto:2003:CAA


Scott:2006:RNG


Smans:2012:IDF


Schwanke:1988:SR


Sangiorgi:2011:EBH


Skudlarek:1995:NMI


Shankar:1992:SRH

A. Udaya Shankar and Simon S. Lam. A stepwise refinement heuristic for protocol construction. *ACM Trans-
REFERENCES


Schultz:2003:APS


Sloane:1995:EAG


Steensgaard-Madsen:1981:SOA


Steensgaard-Madsen:1982:TCS


Steensgaard-Madsen:1989:TR


Stork:2014:APB


[SP07] Vincent Simonet and François Pottier. A constraint-based

**Spooner:1986:MAR**


**Sekar:1995:FSA**


**Suhendra:2010:SAC**


**Sagiv:1998:SSA**


**Sagiv:2002:PSA**


**Soisalon-Soininen:1982:IEE**


**Schlichting:1984:UMP**

Richard D. Schlichting and Fred B. Schneider. Using message passing for distributed pro-

**Shasha:1988:ECE**


**Skeppstedt:1996:UDA**


**Sagonas:1998:AMT**


**Schulte:2005:WDB**


**Stuckey:2005:TO**


**Schulte:2008:ECP**

REFERENCES


REFERENCES

Steimann:2018:CBR

Stone:2004:EOL

Saha:2003:IAQ

Shao:2005:TSC

Smith:1996:PTV

Sabry:1997:RCV

Steckler:1997:LCC

Sewell:2010:NPP
Peter Sewell, Paweł T. Wojciechowski, and Asis Unyapoth. Nomadic pict: Programming languages, communication infrastructure overlays, and semantics for mobile computation.

Suganuma:2005:DED


Suganuma:2006:RBC


Seo:2007:GDW


Swinehart:1986:SVC


Terauchi:2008:CCC


Terauchi:2008:WSE


Tai:1979:NSG

REFERENCES


Tip:2011:RUT


Thorup:1994:CGA


Tichy:1986:SR


Tichy:1988:TCT


Tick:1994:DTN


Tripakis:2011:TSR


Tel:1993:DDT

REFERENCES

Thammanur:2004:FME


Tratt:2008:DSL


Torp-Smith:2008:LRA


Tip:2002:PET


Tang:2000:PTR


Turini:1984:MLO


Turchin:1986:CS

Thies:2007:STU


Tanenbaum:1982:UPO


Thatcher:1982:DTS


Tse:2007:RTP


Ungar:1992:ATP


Unger:2002:HIL


Vera:2005:ACM


vandenBos:1988:AIT

Jan van den Bos. Abstract interaction tools: a language for user

VanderZanden:1996:CIA


VanderZanden:1996:IAS


Vansummeren:2006:TIU


CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).

Vera:2004:FAF


Venkatesh:1995:ERD


VanRoy:1997:MOD


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Wirth:1988:TE


Wirth:1991:TCR


Wise:1979:MGC


Wright:1998:PSE


Wellings:2000:IOO


Wand:2004:SAD


Weihl:1985:IRA

[WL85] William Weihl and Barbara


[WW95] Pei-Chi Wu and Feng-Jian Wang. A worst case of circularity test algorithms for attribute grammars. ACM Transactions on Programming Lan-
REFERENCES

Wegman:1991:CPC

Ward:2007:SPT

Xie:2007:SSF

Yemini:1985:MVE

Yemini:1987:ATE

Yemini:1988:TCA

Yiapanis:2016:CDS
Paraskevas Yiapanis, Gavin
References


[178]


[178]


[178]


[178]


[178]

REFERENCES


Zhang:2005:CPT


Zhou:1996:PPC


Zic:1994:TCB


ZHANG:2017:SSH


Zhuang:2007:AAR


Zhuang:2010:OFE


Zhong:2009:PLA

Yutao Zhong, Xipeng Shen, and Chen Ding. Program locality analysis using reuse distance. *ACM Transactions on Programming Languages and Systems*,
REFERENCES