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

Preston Briggs
Tera Computer Company
2815 Eastlake East
Seattle, WA 98102
USA
Tel: +1 206 325-0800
E-mail: preston@tera.com

and

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

17 October 2015
Version 2.121

Title word cross-reference

<table>
<thead>
<tr>
<th>Term</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>[SRW02], + [Han81a], $T^M$ [Bla03], $ex$</td>
<td></td>
</tr>
<tr>
<td>[AW82],</td>
<td></td>
</tr>
<tr>
<td>[JMSY92], $R_{Lin}$ [VR95], $\ell$ [ADG+94],</td>
<td></td>
</tr>
<tr>
<td>$O(nn)$ [Pet82], $\phi$ [CF95, DR05], $\pi$ [ABL03],</td>
<td></td>
</tr>
</tbody>
</table>

$(k)$ [ADGM91, BL94b, KM81]. 2 [Dam03]. 3
-calculus [ABL03]. -Exclusion [ADG+94].
-function [DR05]. -Nodes [CF95]. -Tree [Han81a]. -valued [SRW02].

256 [App15].

568 [Han81b].

90 [DP99]. 95 [WJS+00].

Abstract [BGL93, BK11, CMB+95, CFG+97, DGG97, ELS+14, EO80, GS98, HL82, JPP91, Lan80, LO94, LV94, LR13, Loe87, MSJ94, MP88, SS98, She91, Wei89, van88, ABS09, BDL99, BdlBH99, Leu04, RM07, SYYH07, SJ03].

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

Algebra [Koz97, Wil82a, KBC+99]. Algebraic [BP82, BWP87, Jen97, Lin93, JBP06, SP07].

Algorithm [AB81, Bak82, BB79, BP82, DSW82, Dha91, DP93, GHS83, Hua90, Hud91, LV94, LY98, Lei90, LT79, LH91, MM82, MC82a, Pet82, SH89, TB98, Wis79, BKR98, BH99, DR05, DVD07, JNZ06, Van96a, Van96b, Han81b, BKR95].

Algorithmic [BP82, GM12, Loe87].

Algorithms [Apt86, BA84, CS95, CN83, GLO88, KRS84, KKM90, Kro82, Kro83, Kro84, Kro85, Kro86, Kro87, Kro88, Kro89, Kro90, Kro91, Kro92, MM89, RD87, RH87, RP88, TM93, WW95, Atp00, DAS98, GC01, ZG05].

Aliasing [Hor97, HBCC99, RSSY08].

All-Purpose [Boe85, Ram94, RLS+01].

Allocating [ZP07].

Allocation [BB79, Bred89, CH90, CS95, FLBB89, GS90, Sah99, CH90, CH91, HCS10, LGAT00, PS99, PF96, RDG08, SRM10, TP04].

Alma [ABPS98].

Almost [Duc08, Ram99].

Alternative [Gho93, GH80, Zav85].

Alway [Gri79].

Ambient [BCC04, LS03, MH06].

Ambiguity [Tho94].

Amortized [AH12].

Amulet [ZHM+01].

Analyses [AC94, CC95, CFM94, KSV96, SJ03].

Analysis [AB90+05, AD98, Bae84, BC85b, Blo94, BE13, Bur90a, CMN91, DL93, Deh95, DP97, DAW88, GNS+15, GJ93, HP96, Hil88, Hor97, ISY88, Jen97, KD94, LR13, McG82, MWB94, MOS90b, OHL+14, Pal95, PO95, PCC85, PP91, PW94, PW98, Pur91, RTD83, RP88, SR95, SSS83, SGL98, SS13, ABB+09, BDFZ09, BAL07, Bla03, Blu99, BCG+07, CSW06, Cha02, CGS+03, CKT86, DD99, DGS97, FF99, GHB+06, GJ05, GZ04, GCRN11, HAM+05, HPMS00, HBCC99, HVDH07, HA12, IK05, JLR10, KBC+99, KK07, KSK07, LP00, LH08, MP03, NS13, PHP02, Pal98, PSH07, Ram00, Rep00, RSL10, RD97, RR03, RR05, RLS+01, SRW98, SRW02, STS03, SdSCP13, SV10, TP04].
Constraints [AKP94, DFR15, HG83, Mye90, BA08, RM10, TFK+11, Van96b, ZHM+01, Van96a].
Construct [Ans87, BS93, Kat93].
Construction [ADGM91, HIT97, LaL81, MB83, RH87, SL92, CMS03, GC01].
Constructive [Ans87, BS93, Kat93].
Context [GHR80, Ode93, PK80, Ram00, RTD83, Rep00].
Context-Dependent [Ode93, RTD83].
Context-Free [GHR80].
Context-sensitive [Ram00, Rep00].
Contexts [Ode93].
Continuation [BDM15, Wan82].
Continuation-Passing [BDM15].
Continuations [BDM15, HF87].
Continuous [KF03].
Contracts [SDTF13, CGP09].
Contravariance [Cas95].
Control [ABLP93, Bur84, CL94, CFR+91, DP97, FM87b, Kat93, Lam88, Lin79, NBG13, PB97, PBR+15, Set83, SS13, Tur84, Wat83, Wei89, BCM99, BCC04, HO07, PSS05, RAB+07, Zho96].
Controlled [Min84, Tho94, JC97].
Controlling [BALP06, LaL81, LMD98].
Convention [AF84].
Conversion [CS87, SW97b, SA00, YK97].
Cooperating [GLR83, NO79].
Cooperation [BS83, Fid93, Hua90, LS84, Zic94].
CSP-Like [Hua90].
Cryptographic [App15].
Cross-Interferences [FTJ95].
Data [AMT14, ANP89, AM85, Bac84, BC85b, BL87, Bur90a, Cha93, CS87, Deb89, DP93, DD85, El82, EO80, FL81, GMH81, HL82, Her93, Hos88, Hol87, Jen97, KH92, Kam83, KZC15, KK98, LaL99, LO94, LN02, Lo87, Mal82, MRR95, MCT96, PP91, QG95, RCR95, RP88, SSS81, Sku95, SGL98, SM81, TWW82, WL85, Wei89, Wei90, Wet82, Wey83, CFP+04, DHM+12, DGS97, HBJ98, KBC+99, KF00, LK02, Rep00, SP07, VALG05, YUW02, ZGZ05, Pur91].
Data-Driven [DHM+12].
Data-Flow [BC85b, Bur90a, Wet82, RP88, KBC+99].
Data-Independence [Rep00].
Data-Parallel [Cha93, HBJ98].
Database [Bar85, CB80].
Datalog [LS09].
Deadlock [Hua90, Kobl98].
Debugging [CMN91, CM93, Cop94, Hen82, WST85].
Decision [GGL15].
Declarative [MTG80, NO79].
Decompilation [BB94].
Decrease [LDK+96].
Deducing [TB95].
fractions

Frameworks [MMR95, KK07]. Francez [Fra81, Moh81, Moi83]. Free [AP94, GHR80, Her91, Kar84, Kob98, JJD98, KSV96]

freedom [KS10]. frontiers [Ano02b]. fully [GB99]. Fully [JPP91]. function [DR05, FF08]. Functional [AFV98, Ban87, Blo94, Bou05, Bur84, DW89, FL91, ISY88, JPP01, WM95, Web95, Wil82a, ABH06, Bon06, DWWW88, DF98, PS08, San96, SP97]. Functions [AKP94, AK82, Bou92, PB80, SM89, Lee09, MBC04, MB99, MT08, PPT08]. Further [CM93]. Fusion [LGAT00]. Fusion-based [LGAT00].


Generation [AGT89, AS80, BOV85, BM94, DS83, DS90, GF85, GVC15, HKR92, HKR94, Pro95, Rei83, Rob79, She91, ST00b, UJ92, DAS98, MSRR00, PHEK99]. Generative [Gel85]. Generator [PS97]. Generators [Cat80, GHK81]. Generic [LV94, DDM11]. generics [IV06].


Hackers [App94a]. Hancock [CFP’04]. handle [VJB12]. Handling [Hau96, LiR81, Piq96, SSS83, UM02, YB85, YB87, YB88, CRN’08, LS98, LP80, SSD09, Hen83]. Hard [Hor97]. Hardware [BKL’97, Mis86]. harmful [Gor04]. Hashing [PB80, Duc08].

Haskell [GRS’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, AV01, CP96]. hierarchically [MBC04]. hierarchies [ST00a, Van69a, Van69b]. hierarchy [KF00]. High [Cam80, Fat82, CMS03, VWJB10].

High-Level [Cam89, Fat82, CMS03, VWJB10]. Higher
Higher-Order

Hoare

Hoc

Homomorphisms

HOP

Hybrid

I-Structures

I/O

Idioms

IDL

IEEE

Ignorance

Illustrative

Impact

Imperative

Implementation

impl

implemented

Implementing

Implemented

Implement

Improvements

Improving

Improvement

Incremental

Incrementally

Indefinite

Independence

Index

ind extrem

indices

Indirect

[AC94, AD98, CJK95, BBTS07, DF11, SKS11, SP97]. Higher-Order [AC94, AD98, CJK95, BBTS07, DF11, SKS11, SP97].

Higher

Highly

Hoare

Hoc

Homomorphisms

HOP

Hybrid

I-Structures

I/O

Idioms

IDL

IEEE

Ignorance

Illustrative

Impact

Imperative

Implementation

impl

implemented

Implementing

Implemented

Implement

Improvements

Improving

Improvement

Incremental

Incrementally

Indefinite

Independence

Index

ind extrem

indices

Indirect

[AC94, AD98, CJK95, BBTS07, DF11, SKS11, SP97]. Higher-Order [AC94, AD98, CJK95, BBTS07, DF11, SKS11, SP97].

Higher

Highly

Hoare

Hoc

Homomorphisms

HOP

Hybrid

I-Structures

I/O

Idioms

IDL

IEEE

Ignorance

Illustrative

Impact

Imperative

Implementation

impl

implemented

Implementing

Implemented

Implement

Improvements

Improving

Improvement

Incremental

Incrementally

Indefinite

Independence

Index

ind extrem

indices

Indirect

[AC94, AD98, CJK95, BBTS07, DF11, SKS11, SP97]. Higher-Order [AC94, AD98, CJK95, BBTS07, DF11, SKS11, SP97].

Higher

Highly

Hoare

Hoc

Homomorphisms

HOP

Hybrid

I-Structures

I/O

Idioms

IDL

IEEE

Ignorance

Illustrative

Impact

Imperative

Implementation

impl

implemented

Implementing

Implemented

Implement

Improvements

Improving

Improvement

Incremental

Incrementally

Indefinite

Independence

Index

ind extrem

indices

Indirect

[AC94, AD98, CJK95, BBTS07, DF11, SKS11, SP97]. Higher-Order [AC94, AD98, CJK95, BBTS07, DF11, SKS11, SP97].

Higher

Highly

Hoare

Hoc

Homomorphisms

HOP

Hybrid

I-Structures

I/O

Idioms

IDL

IEEE

Ignorance

Illustrative

Impact

Imperative

Implementation

impl

implemented

Implementing

Implemented

Implement

Improvements

Improving

Improvement

Incremental

Incrementally

Indefinite

Independence

Index

ind extrem

indices

Indirect
Interval-Based [Bur90a]. Introduction [DeM83, HCW82, Per90, Rep86, Sag07, Wol92]. Invariant [BKJ80]. Invariants [Cla80]. Irreducible [Hav97, UM02]. Irregular [YF98]. Irrelevant [GP81]. Isolation [Wha94]. Isomorph [JJD98]. Isomorph-free [JJD98]. Issue [Sag07]. Issues [BO94]. Iterated [GA96]. Iteration [Cam89, MOSS96, GS11, JLF02, Qia00]. Iterative [Ans87, Par90, DR05, JNGG10, LS04]. Jade [RL98]. Jam [ALZ03]. Java [AFF06, ALZ03, AAD+07, BH05a, Bla03, BALP06, CGS+03, CMS03, CSCM00, FFLQ08, FM99, GPF08, IPW01, KKN06, KGM00, KN06, KPN01, LST02, LP06, LS08, Loc13, MMG00, NR06, OKN06, Qio00, SLCO03, SMP10, SA09, SYK+05, TSL+02, WR08]. Java-like [KN06]. JavaCOP [MME+10]. JavaGI [WT11]. JR [KGM004]. Jump [LS80, RS84a]. just [SYK+05]. just-in-time [SYK+05]. JVM [HO07].


[BF87]. Load [KPF95]. Loaded [BG98a].

Local [BDFZ90, CBGDF95, PT00, TSBR08, Weis99, Dam03, San96]. Locality
[MCT96, VALG05, ZSD90]. Locally
[AB81, Bac84, Min84]. locating [JNGG10].


Logic [AS89, AVF98, APL01, BGL93, BL87, BCD90, BDJ13, BMPT94, CS04, CES86, CFM94, DW89, Deh89, DL93, Deh95, JPP91, Kar84, LS84, Lam94, MW84, MJ94, MM92, SS98, Sok87, TK94, TB95, BBT97, BMR91, BCG97, BDLB99, CU08, CG86, CS99, DDV99, DPP90, GB98, GW99].

Logical [GGL15, GS98, RSL10, Tar07].

Look [DP82]. Look-Ahead [DP82].

Lookahead [KM81, MFF88]. Loop [CS87, MCT96, Sit79, RSK12]. Loops
[BAGM12, Boo82, CK94, DB85, FJ95, Hay97, Wat91, Aro02b, LS04, LSR95, Ram99, RDG08, SGL96, UM92].

Low [CSCM00]. low-end [CSCM00].

LR [ADGM91, BL94b, BF87, CPR92, DMM98, Jef03, KC01, LRL01, LS04, SSM98, ST00b]. LR-based [KC01].

M [Bur91, Mul92]. M-LISP [Mul92].

Machine
[CGJ97a, Cat80, GNS95, Gie83, Han94, LR13, ML80, RF97, SS98, Wal92, Zav98, Aro02b, CEG07, CF04, HK07, KN06, Oho07].

machine-checked [KN06]. Machine-Code [LR13].

Machine-Independent [ML80].

Machine-Specific [Gie83]. machinery [FKW00]. Machines
[ACW90, BC04, CGST95, GC86, KK98, PS93, P991, Rob79, RCR95, AY01, AG04, ABE90, AB90, TS90, Pur91].

Madsen
[El02, SM82]. Magma2 [Tur84].

Maintenance [GKL94]. Making
[JC97, Loc13].

malware [PCJD08].

Management
[JP81, Mur91, van88, BP12, WCM00, Zho96].

Managing [Bob80]. manipulating [YS10].

Manipulation [DVL95]. many [AE98].

massive [BHK07].

Matching [AC96, AGT89, CP95, KPS92, ADR96, Van06].

Matching-Based [CP95].

materializations [RMH06]. Mathematical
[Ban11, Hes88, LW93].

MATLAB [DP99].

MATLAB(R) [JB09]. Matrix [FTJ95].

Matrix-Vector [FTJ95]. Maximal
[BS99, Rep98]. Maximal-munch [Rep98].

Maximization [GLO88]. Maximum
[Kna90].

May [Hr97]. May-Alias [Hor97].

MCALIB [FL15]. Measuring [FL15].

Mechanically [DSW11]. Mechanism
[CO90, YBS95, DNS06].

Mechanisms
[Rei83, HSM06].

Mechanizing [Pau04].

Median
[Com80].

Medians
[KRS84].

megaflops [MM97]. member [KF90].

Memory
[AMT14, CK94, Cha93, KZ15, KK98, KRS88, Mis86, RCR95, SS88, ABHI11, BP12, GMM99, GW99, JNGG10, KF00, LK02, Loc13, QR00, RR05, TS00, TP04, VBLG04, WCM00, MMM07].

memory-efficient [TP04].

memory-hierarchy [KF00]. Merge
[Ber94].

Merlin
[HBM+06]. Message
[CSW06, SS84, Gor04].

Messages
[BBS97, Jef03]. meta
[Tra08].

meta-programming
[Tra08].

Metalevel
[Jag94].

Metaprogramming
[Tra08].

Method
[BCD90, BF97, HS82, Jon83, Loe87, JJD98].

Methodology
[Ban87, Her93, Sku95].

Methods
[DAW88, KM81].

METRIC
[MMM07].

Microanalysis
[HCP92].

Microcode
[MV87]. Middle
[BDP14].

Middle-End
[BDP14]. Might
[Be94].

migration
[Piq96].

Minimal
[FKW98, IP96]. Minimization
[RS84a].

minimizing
[RMH06]. Minimum
[GH98].

Minimum-Weight
[GH98]. Mining
[AMT14].

Misled
[Cop94].

miss
[GH99].
Mixin [HL05, RD13], mixins [ALZ03]. ML [Blu99, HM93, HT04, PS03, RD13, Spo86].

Mobile
[LS03, VHB+97, BCC04, KS10, SWU10],

mod [Bon92], mode [PS08, ZP10]. Model
[AY01, Ang89, BL87, BGP99, CGL94, ES97, GS98, GG85, GL94, Han81a, HW82, Hol87, KH92, MMG92, VSS94, ACM11, AM01, AE01, JJD98, JPS+08, KN06, QQ00, SG04, VWJB10, VALG05, YMW97]. Model-Checking [ES97, BGP99].

Modeling [AF84].

Modelling [AMT14].

Models [GJ93, KZC15].

Modern [BCF04, RAB+07].

Modes [Deb89].

modest [LS08].

Modiﬁcation [Lei90, RLS+01].

Modification [EO80].

Modular
[AG04, BMPT94, LN15, MBC04, Wei89, dJKVS12, KV00, MFRW09, MOS07b]. modularity [BA09].

Module [PAS+15, RD13].

Modules [CL95, HW82, Lam83, HL05].

Monadic [MH04].

Monitors [BLH12, BH05b]. Monolingual [HK85].

Monte [FL15]. Morel [Dha91, DS88, Sor89].

Morphing [HS11].

Morris [Wis79]. Mostly [YF09, BBYG+05].

Motion [KRS94, Hai98].

MPI [TSY00].

multi-language [MF09].

Multiaenglish [WM95].

multidimensional [RDG08].

MultiJava [CMLC06].

Multilisp [Hal85].

multimethod [DAS98].

Multimethods [CL95].

Multiparty [JS94].

Multiple [NSTD+15].

Multiply [FTJ95].

Multithread [Lam79, Lam80].

Multiprocessing [ABR81].

Multiprocessor [GP81].

Multiprocessors [Cha93, KR988].

Multisource [MMR95].

Multithreaded
[EGP14, JSB+12, KKKW14, NR06].

Multivariate [HAH12].

Multiway [Van96a, Van96b].

munch [Rep98].

Mutandis [SHB+07].

Mutatis [SHB+07].

Mutual [LH91, ABHI11].

Mutual-Exclusion [LH91].

Myths [Gor04].

n [CTK86].

Naming [BDP93].

Natural [GZ04, dJKVS12, ACE96].

Neighborhood [BG89a, BG94].

Network [WGS92, WGS93].

Networks [CGJ97b, GC96, KR98, dBB85].

Nicholson [FA93].

node [JC97, UM02].

Nodes [CF95, Han81a]. Nomadic [SWU10].

Nominal [CU08].

Nominal [BS88].

Noncanonical [Tai79].

Noncorrecting [Ric85].

Nondeterminate [TK94].

Nondeterminism [Ber80, Res88, WM95].

Nondeterministic [QG95, MT08].

Noninterfering [HPR89].

nonnumerical [ME97].

Nonprocedural [PS97].

nonrectangular [JLF02].

nonscalars [CRN+08].

Nonsequentiality [Bar81].

Nonstrict [Blo94].

Nontermination [PM06].

normal [LMD98].

Normalize [CRN+08], norms [BCG+07].

Notation [Ren81, Wi82].

Note [Co80, CM93, MS88, WST85, Cohn88, Pa11b, YK90].

Notes [SK95].

Notion [LW94].

NP [Hor97].

NP-Hard [Hor97].

NQALR [BS88].

nulled [SJ06].

Numbers [GLR83].

numeric [Hal86].

O
[ABPS98, Car95].

Object [DF84, HU96, KH92, WC90, WC91, BSvGF03, DMM01, DDDCG02, FM99, GPW08, HBM+06, JPS+08, LPS004, Pi96, WJS99].

Object-Based [KH92].

Object-Oriented [HU96, BSvGF03, DMM01, JPS+08, WJS99].

Objects [AM85, CJK95, HF87, HW90, Her93, SM89, VHB+97, Wal80, Wal81, Win84, GPV07, HBJ98, KF00, Sto04, WJS+00, Sk95].

Obligations [DSW11].

Observability [Gaz83].

Observations [Sha82].

Occur [AP94].

Occur-Check-Free [AP94].

Offline [CG04, GJ05].

Old [AL94].
Old-Fashioned [AL94]. On-Line [Bal94].
On-The-Fly [CF95, BA84, LP06, PBK+07].
One [Bak82, BG89b, ZHM+01]. One-Pass [Bak82].
one-way [ZHM+01]. online [CG04, HVDH07]. only [PZJ05].
Opacity [QG95]. Operating [HM84, BCP08].
Operational [BLRS12, Han94, MF09].
Operations [AKBLN89, CK94, Lee86, LS79].
Operator [CSV01, Hen83, LdR81]. Operators [Ive79, She91].
Optimal [Bak82]. one-way [ZHM+01]. online [CG04, HVDH07].
obly [PZJ05].
Optimality [CP96]. Optimally [BL94a].
Optimistic [PM04]. Optimization [Bee94, Blo94, BT93, DF84, DP97, DDDH84, Dha91, DS88, FOW87, HG83, Pes83, PP94, SS82, Sor89, Tv89, Web95, Ass00, BHK07, KBC+99, KF03, PE08, TVA07, ZP10, CG95, LaL84, OKN06].
Optimizations [CC95, JSB+12, CGS+03, CKT86, GMP+00, SYK+05]. optimize [DMM01, VBLG04].
Optimized [CM93, Cop94, Hen82, WST85, DS98, UM02].
Optimizer [DF80, FSS83, DF81].
Optimizers [Gie83].
Optimizing [CEG07, KMM+98, ML80, NSZS13, QR00, BGKR09]. Or-Parallel [GJ93].
orchestration [PE08]. Order [AC94, AD98, Bur84, CJK95, DP07, JPP91, JS94, SS98, BBTS07, DF11, SKS11, SP97].
ordering [GS99]. Organization [Han81a].
Oriented [Bor81, Dar90, Ell82, GTWA14, GKL94, GP81, HU96, SM81, Tur84, YB87, YB88, BSvGF03, DWWW08, DMM01, JPS+08, WKD04, WP10, WJS+08]. origins [San09]. OSI [CFDP89]. Output [Ber80, BS83]. overflow [KOE+06].
overhead [BP12, SS96]. overlays [SWU10].
Overload [Bak82]. overloading [SS05b].
Overview [AOC+88]. ownership [DDM11, SS96]. Oz [VHB+97].
Package [Hi88]. Paper [GM81]. Parallel

[ANP89, BOV85, BO94, BE13, Cha93, CGST95, CMN91, CL94, DS83, Fos96, GLO88, GJ93, GPA+01, HCHP92, HIT97, JF81, Kna90, Mis94, NSZS13, OA88, Rao94, SS88, BBYG+05, CG86, GB09, HBJ98, KSV96, LK02, MVV+08, RR03, YF98].
Parallelizing [PP96, ME97, RD97]. Parameter [Gaz83, Zho96].
Parameterization [TW82].
Partially [BLH12, Kob98, RRSY08]. partially-flow-sensitive [RRSY08].
Partitioning [RM07, YF09]. Parts [Son87].
Pascal [LS79]. Parse [Bak82, BM94].

[EPG14, ADR06, Jay04, MTSS09, Van06]. Pattern-Based [EGP14]. Patterns [GH80].
PDS [Han81b]. PEAK [PE08]. Peephole
[DF80, DF81, Pes83, Tv89]. PegaSys

[MH86]. CS [CD79]. CV3 [CZ84]. fold
[RKRR04]. Semantic [HCW82]. subscribe

[Eug07]. time-efficient [YF98]. write

[AEO1]. Pennello [Sag86]. Perfect [Duc08]. Performance
[HU96, PB80, FF00, PE08].
Mye90, Pet83b, RCS93, SS84, SNS+14, SZBH86, TK94, ABH06, BMR01, Bou06, BdlBH99, CU08, CG86, CKT86, DWWW08, DPPR00, GW99, HBJ98, JPS+08, KGM004, MVV+01, MTSS09, MQ05, Tra08, VVJB10, WKD04, WJS+00, Bir85, SWU10].

Programming-in-the-Large [MK94].

Programs [AWW95, AK87, AFV98, AR80, AP94, AC94, BL94a, Ban87, BGL93, BC85a, BC85b, Ber94, BCD90, BE94, BE13, CR87, CB80, CM86a, Cha93, CEW14, CMN91, Cla80, CM86b, Cha93, CEW14, CMN91, Cla80, CFM94, CS87, DGMP97, DW89, Deb89, DL93, Deb95, DP97, Di90, EGP14, GG85, GM81, Har80, HCHP02, HPR89, How80, HIT97, IS88, Jor83, JF81, Kna90, Lam79, LS83, MSJ94, MH86, NSZS13, OA88, OL82, PS92, QL01, Rao94, SS98, Sch82, SSS91, SS88, Ven95, Wad90, Web95, Wil82a, AE01, AAE04, BCG07, CSW06, CSS99, DP99, DSV99, DS08, DMMO1, EGM01, GM12, GBH+96, GH97, GPA+01, Han96, HPSM00, JPS+08, KS96, LMD98, Leu04, LS09, MF09, NR06, PM06, RKRR04, RR03, San96, VJB12, WM12, YS10, Yin11, dBH+96, Bur84, Lam80].

PROLOG [LV94, AP94, AB94, BC91, CH87, FA93, GPA+01, MWB94, NL89, Zho96].

Promotion [Bir84, Bir85].

Proof [AFdR80, BDJ13, FRW90, GB99, GPA+01, MWB94, KP99, NB99, Oho07].

Proof-Directed [BDJ13].

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

Propagation [SR95, WA91, APT00, CP96, SS05a, SS08, SO90].

Properties [ACW90, AS89, Kar84, OL82, RY88, TB95, Wei98, YS10].

Proposed [Fat82].

proxima [MP10b].

Protected [PAS+15, WJS+00].

Protocol [SL92, YS97].

Protocols [MB93, BFTG08, 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].

subscribe [Eug07].

Pure [HU96, Pip97, Tar07].

Purpose [App94b, HSS+14, Spo86].

qualifiers [FJK06].

Quantification [Vol91, Bur91].

Quantified [Gro06, STS03].

Quantum [FDY12, BH99, YS01].

Queries [Bal94].

Queuing [BB79].

Quiescence [CM86a].

R [AW82, CKT86, KMM+98].

race [AFF06, PFH11].

Races [KZC15].

Random [AS80].

Rank [Dam03].

Ranking [Lee09].

Ratio [CK94].

rational [GS11].

rationale [CMC06].

Reach [FKW98].

Reachability [NS13].

Reactive [DFR15, AG04, DGG97].

read [AE01, PZ05].

read-only [PZ05].

read/write [AE01].

Readable [Spo86].

Reading [Pet83a].

Real [AL94, MMG92, RS84b, GH97, HK07, LS98, YMW97].

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

realities [Gor04].

Reasoning [BKOZB13, BLRS12, BD93, BP82, BH99, CB80, Lam88, LN15, Rao94, TSBR08].

receive [Gor04].

receptive [ABL03].

Recipe [AL94].

reclassification [DZD02].

recognition [ATD08].

Recognizer [GHR80].

Recognizing [BL94b].

Recombination [Kau84].

Recombination-Delaying [Kau84].

Recompilation [BT93, SK86, Tie88].

Reconciling [HU96].

Reconstruction [YR94].

Record [LS97, Oho95].

Recovery [AB81, ACS84, Buc84, BF87, PK80, Ric85, dJKVS12].

recurrences [VJB12].

Recursion [AK82, Col84, Hen93, KRU93, Mis94, YK97].

Recursive [AC93, AK82, Ban87, Coh83, Coh85, Sij89, ABE+05, AM01, CF04, Dug02, Pal98].

Recursively [BE13].

Reduce [BB99, MYD95, BALP06, KOE+06, SS96].
reduced [SG04]. Reducible [Hav97, JC97].
Reduction [Bee94, Bur84, FRW90, Geo84, KLS92, Mul92, NN86, CSV01].
Redundancies [DS88, Sor89]. redundancy [KCL+99]. Redundant [Coh83, Coh85].
Reentrant [Bob80]. Reexamination [CG95]. Refactoring [TFK+11]. Reference [Bob80, Wis79, KSK07, KOE+06, LP06, MDJ05]. reference-counting [LP06].
Redundancies [DS88, Sor89]. redundancy [KCL+99]. Redundant [Coh83, Coh85].
Referring [HS11]. reconnection [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].
Registers [BCT94, CH90, GSO94, JLF02, RDG08, SH89, GA96, HCS10, LGAT00, PM04, PS99, PF96, TP04]. registers [ZP07].
Register [BCT94, CH90, GSO94, JLF02, RDG08, SH89, GA96, HCS10, LGAT00, PM04, PS99, PF96, TP04]. registers [ZP07].
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].
Schemes [Mur91, YR94, IV06, WC97].
Schemes [Son87, TM93]. Schorr [BP82].

Register [BCT94, CH90, GSO94, JLF02, RDG08, SH89, GA96, HCS10, LGAT00, PM04, PS99, PF96, TP04]. registers [ZP07].
Reference [Bob80, Wis79, KSK07, KOE+06, LP06, MDJ05]. reference-counting [LP06].
Register [BCT94, CH90, GSO94, JLF02, RDG08, SH89, GA96, HCS10, LGAT00, PM04, PS99, PF96, TP04]. registers [ZP07].
Reference [Bob80, Wis79, KSK07, KOE+06, LP06, MDJ05]. reference-counting [LP06].
Register [BCT94, CH90, GSO94, JLF02, RDG08, SH89, GA96, HCS10, LGAT00, PM04, PS99, PF96, TP04]. registers [ZP07].
Reference [Bob80, Wis79, KSK07, KOE+06, LP06, MDJ05]. reference-counting [LP06].
Reference [Bob80, Wis79, KSK07, KOE+06, LP06, MDJ05]. reference-counting [LP06].
Register [BCT94, CH90, GSO94, JLF02, RDG08, SH89, GA96, HCS10, LGAT00, PM04, PS99, PF96, TP04]. registers [ZP07].
Schwanke [Tic88]. Scientific [How80].
Scope [App94b]. Scratchpad [SRM10].
Screen [MM89]. SDF [VHK02]. Search [Dar90, BH99, SS05a]. Searching [CC97].
Section [Wol92]. Secure [BCEM15, PAS + 15, BBF + 11, HY07].
Securely [RB94]. security [BFGT08, BFG08]. see [BR10].
Selecting [DF84, SSS81]. Selective [Min84, ME97].
Self [BP89, DHS09, Gom92, ABB + 09]. self-adjusting [ABB + 09]. Self-applicable [Gom92].
Self-Stabilization [Gho93, DHS09]. Self-Stabilizing [BP89].
Semantic [AAR + 10, AW95, GGL15, MH06].
Semantics [ABHI11, Ans87, AB94, AW82, BGL93, Ber94, BLRS12, Bou88, Boy10, CPS93, CD79, FA93, GM81, Gud92, Han94, JPP91, Kai89, Mul92, NF99, Set83, Sou84, WM95, Wan82, dBB85, ACE96, BM90, Bou06, GZ04, MF09, PCJD08, SWU10, SJ03, Tar07, WKD04].
Semantics-Based [BGL93, CPS93, PCJD08].
Semantics-Directed [Han94, Set83].
Semaphore [CR87]. Semiring [BMR01].
Semiring-based [BMR01]. Send [Gor04].
Send-receive [Gor04]. sensitive [PKH07, Ram00, Rep00, RRSY08].
Separation [BDJ13, OYR09, BBTS07].
Separators [GSO94]. Sequences [GSW95].
Sequent [AB509]. Sequential [AFdR80, Ber80, GLR83, HM84, KNS97, MS82, Moi83, Sou84]. Series [Wat91].
Share [SS88]. Shared [Cha93, FLBB89, KH92, KRS88, Pet83b, Dug92, HBJ98, 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].
sin} [Lam90]. Single [BM94, CFR + 91, GPF08].
Smarter [SK88, Tic88]. Smooth [JF81].
Soisalon-Soininen [LaL84]. Solution [ADG + 94, DS88, Gho93, Pet83b, Sor89, WP10]. Solving [GS11, NSTD + 15, SRW98].
Some [AB94, AK82, Sha82, Sor89].
Sometimes [Gri79]. Soundness [Sok87].
time-efficient [YF98]. spaces [JLF02].
Syntax-Directed [DMM88].
Syntax-Error-Handling [SSS83]. Syntax/Semantic [HCW82].
System [AFdR80, AW85, BS86, BOu88, CB80, Fea82, GD82, GP81, Han81b, HM84, JMSY92, LR13, ML80, Moi83, MH86, PO95, RD13, SA99, WC97, BH05a, FH04, FM99, HO07, JB06, KS10, MTSS09, NP08, PE08, STSP05, MWC99]. systematic [DF89, PSS05].
Systems [ABLP93, AR84, ACS84, BKS88, BG89a, BDP93, CI84, CDFP89, CBDGF95, CES86, Lam84, LW93, Mis86, WGS92, WGS93, WC90, van88, AE89, AE98, BCP08, BCM99, BGP99, CSCM00, DGG97, GS11, TP04, TZ07, YMW97, WC91].
Systolic [Hen86].
T [Zic94]. Table [BMW91, PK80, DAS98].
Table-Drive [PK80]. Tabled [SS98]. Tables [ADGM91, DDH84].
Tail [DP97, CF04]. Tail-Call [DP97].
tail-recursive [CF04]. Tailored [Kau84].
Task-Level [GP95], Task-Parallel [NSZS13]. Tasking [Dil90]. Tasks [GP81].
tcc [PHEK99]. Technical [BS88, Bur90b, Bur91, Coh91, CM93, DS88, Ell82, FA93, Fra81, Hen83, La83, La84, Moh81, Moi83, MS88, NN86, Par90, Pem83, Sor89, SM82, Tan83, Tiet88, Vol91, WST85, Wir91, YB88, MM90]. Technique [AW95, BN99, BCD+15, JSB+12, KKM90, SSS81, SSS83, JNGG10, KBC+99, RD97, SYN06]. Techniques [AK82, CMM91, DP99, GLR83, How80, TWW82, WC90, WC91, BHK07, DDD05, DEMD00, LS98, MRR00, SS96, TSL+02]. technology [LS98].
Temporal [AS89, CBDGF95, CES86, Kar84, Lam94, MW84, GS99, KWL09].
Tenuring [UJ92]. Term [KKSD94, MBT09, GRSK+11].
Termination [AF84, Apt86, BAGM12, BCG+07, Fra80b, GJ05, HSP83, MC82b, TM93, BAL07, BA08, DAV99, GRSK+11, Lee09, PR07, SMP10, Fra80a, Moh81].
Test [Wey83, WW95, Duc08]. Testing [AMT14, GMH81, TK94].
Tests [Coh91, Koz97, Wir91, GZ05]. Text [CC97].
Their [Kan83, La84, SS82, PS96].
Theoretic [ES97, Shag82, KV00]. Theories [NSTD+15, Bout06]. Theory [CZ84, KD94, KRS94, MBG94, MG94, SSM94, SM94, TM93, BAL07, BALP06, BHRW98, BHRW05, DDD05, GH97, GMP+00, GB99, GW99, HK07, LS98, LPP01, LS09, Min99, Rep98, SYK+05, Tra08, TZ07, Wu94, YMW97, WC91].
Time-Constrained [Zic94, LPP01].
Time-Critical [PS93]. time-efficient [GB99].
Timed [Zic94]. Timeout [Lam84].
Timing [LJ99].
Tolerance [LJ99].
Tolerant [CS95, Lam84, AA04].
Tool [CPS93].
Toolkit [BDHF07].
Tools [van88].
TOPLAS [MPl0a, MP10b].
topology [DDM11].
Total [San96].
Trace [FGL94, WGS92, Ban11, RM07, SJ03, WGS93, WM12]. Trace-Based [WGS92, WGS93, WM12].
traces [HBM+06, WR08].
Tracing [BL94a, MMM+07].
tradeoffs [ZGZ05].
Trailing [VR95]. Traits [DNS+06].
transactional [ABHI11, CFP+04].
Transactions [HKMN94]. Transducer [DVLM15]. Transducer-Based [DVLM15].
Transformation [BKB80, Fed82, FL91, NSZS13, Wat91, RKRR04, San96, TSY00, WZ07].
Transformational [BDFH97, Bir84, Bir85, DSW82, OA88, RC03]. Transformations [BKB80, EGM01, Geo84, LdR81, LF14, 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, BGKR09, DP99, RC03].
Transmission [HL82]. Transparently [JSB+12]. Transport [Min84]. transpose [CRN+08].
Traversal [LPSO04].
Treating [YB87, YB88]. Tree [AGT89, BOV85, BMW91, DVLM15, DS83, Han81a, Hen83, LdR81, FGM+07a]. Trees [Com80, GHS83, MTG80, Sip82, Wad90, ACM11, SGL97]. trick [DMF96].
TS model [LR13].
Tuning [GMM99, PE08]. Tuples [Rem81]. Tutorial [GM81].
Two [BO94, CDFP98, GPWZ08, FMoPS11].
Two-dimensional [GPWZ08].
two-variable [FMoPS11].
Type [Bur90b, Car95, CEW14, Coh91, CZ84, Dug02, Eug07, HHPW96, HM93, Hen93, KPS92, KTU93, KR01, Lam80, LO94, LST02, LY98, LP00, MP88, NBG13, PO95, SA99, SM89, TWW82, Van06, Wal80, WT11, Wir88, WC07, BsvGF03, BCG+07, FJKA06, FGM07b, FM99, FF08, G207, GMZ00, HO07, HDOH02, HY07, KF10, KS10, NP08, NCH+05, PT00, STSP05, TFK+11, TZ07, Wal81, Wir91] Type-based [Eug07, LP00, BCG+07].
Type-Extension [Coh91, Wir91].
Type-Graphs [KPS92].
Type-preserving [LST02].
Type-Safe [Dug02, BSvGF03, NCH+05].
Typechecking [CL95, MBC04].
Typed [ACP91, Geo84, Koh89, NN86, WCM00, AAR+10, LP99, MWCG99].
Types [AFF06, AC93, BB94, Bcem15, DD85, EO80, FFLQ08, HL82, Hes88, Jen97, Kam83, LaL89, LO94, Loes87, Mal82, MP88, WL85, Wei89, Wei90, AM01, BBE+11, Dym03, DDM11, DMM01, Gro06, GPV07, HV05, IV06, MME+10, PS96, Pa98, STS03, SP07].
Tyepstate [GTWA14].
Tyepstate-Oriented [GTWA14].
Typing [ACP91, Dug99, RM10, SV96].
ultimate [PS08].
Ultracomputers [Sch80].
Unassigned [Win84].
unbounded [BGP99].
uncaught [LP00].
Undecidability [Ram94, Rep00, Cha02].
undecidable [Ram00].
Understanding [ST00a].
undo [Lee86].
unfold [RKRR04].
unfold/fold [RKRR04].
Unidirectional [Pet82].
Unification [MM82, DRSS96].
Unified [VSS94].
Uniform [AS80, BP89, Hua93, AH10, HY07].
Uniformly [DB85].
unifying [TVW07].
unique [Van06].
UNITY [Pan01, TB95].
universe [DDM11].
Unnecessary [BT93].
Update [Hud91, FGM+07a, GW99].
Updating [HSS+14, HN05, SRW98, SHB+07].
Upper [PW94].
Usage [MS83, BDFZ90, IK05, QR00].
Use [FOW87, GH80, HS94, LaL84, PPS79, She91, SS82, CC97].
usefulness [HDH02].
User [ACS84, DS90, Mye90, Wal80, Wal81, Wat83, van88].
User-Defined [Wal80, Wal81].
Using [AGT89, Bob80, CGJ+07a, CES86, CH87, DP93, Di90, DMM01, FLBB89, GSW95, GSO94, HR90, JTM08, Kar84, LaL89, Lam84, Mye90, Ode93, Pet83b, PP94, PBR+15, SS84, SS96, Sok87, SGL98, TV882, ACM11, BH99, CSW06, CGS+03, DR05, GS99, GCRN11, KWL09, KSK07, MTSS09, RD03, ST00a, SGL96, TFK+11, VJB12, XA07, YUW02, ZSD09, Pem83].
Utilizing
REFERENCES

[ES97].


W [Tic88]. Wait [Her91]. Wait-Free [Her91]. Waite [BP82]. Warp [LW93]. way [ZHM+01]. Weak [AMT14, KZC15]. weakening [SYYH07]. Weaker [Boo82]. web [BF08, BLRS12, CHY12, CGP09, CMS03]. Weight [GHS83]. While [Pet83a, BC85b, GMS81]. while-Programs [BC85b]. Widening [KKW14, VJB12]. winning [Lam90]. Within [FKW98]. Without [Cop94, Ode93, AS89, Cas95, Sto04, VR95].


XARK [ATD08]. XML [HVP05, HFC09]. XSL [MOS07a].

Years [Apt81].

References


Amal Ahmed, Andrew W. Apple, Christopher D. Richards, Kedar N. Swadi, Gang Tan, and Daniel C. Wang. Semantic foundations for typed assem-


AAD+07]


REFERENCES


**Anderson:1981:LLC**


**Arbab:1994:SCD**


**Acar:2009:EAS**


**Alur:2005:ARS**


**Acar:2006:AFP**


**Abadi:2011:STM**


**Amadio:2003:RDC**

REFERENCES


[AC94] J. Michael Ashley and Charles Consel. Fixpoint computation for polyvariant static analyses of higher-order applicative programs. *ACM Trans-

Abadi:1996:SM


Attali:1996:NSE


Alur:2011:SMC


Abadi:1991:DTS


Alcher:1984:URR


Aggarwal:1990:ALP
Ashley:1998:PFF


Ager:2006:FPE


Afek:1994:BFF


Apt:1984:MDT

Krzysztof R. Apt and Nissem Francez. Modeling the distributed termination convention of CSP. *ACM Transactions on Programming Lan-
REFERENCES


Appel:1994:E


Appel:1980:PSC


Abadi:2006:TSL


Alpuente:1998:PEF


Appel:1993:Eb


Alur:2004:MRH


Aho:1989:CGU

REFERENCES


REFERENCES


Anger:1989:LIC

Anonymous:1985:IA

Anonymous:1986:AI

Anonymous:1987:IA

Anonymous:1988:AI
REFERENCES


REFERENCES

Anonymous:1995:AI

Anonymous:1998:AI

Anonymous:2002:ADC

Anonymous:2002:LDD

Arvind:1989:SDS

Anson:1987:GIC

Andrews:1988:OSL

Apt:1994:OCF
REFERENCES

Abadi:2007:E

Appel:1993:Ea

Appel:1994:ABG

Appel:1994:PS

Appel:2015:VCP

Apt:1981:TYH

Apt:1986:CPD

Apt:2000:RCC
Andrews:1980:AAI


Appelbe:1984:ECS


Arnold:1980:URG


Alpern:1989:VTP


Assmann:2000:GRS


Arenaz:2008:XEF


Ashcroft:1982:RS

REFERENCES

Avrunin:1985:DAD

[AW85]

Aiken:1995:SST

[AWW95]

Alur:2001:MCH

[AY01]

Ben-Ari:1984:AFG

Blume:1999:HM

Ben-Amram:2008:SCT

Backhouse:1984:GDF
REFERENCES

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


REFERENCES

Banerjee:2011:MFT


Barnden:1981:NCA


Barstow:1985:CTD


Bengtson:2011:RTS


Biering:2007:BHH


Beyer:1979:SED


Bengtson:2011:RTS

[BBYG+05] Katherine Barabash, Ori Ben-Yitzhak, Irit Goff, Elliot K. Kolodner, Victor Leikehman, Yoav Ossia, Avi Owshank, and


Adam Betts, Nathan Chong, Alastair F. Donaldson, Jeroen Ketema, Shaz Qadeer, Paul
REFERENCES


**Bugliesi:2015:ART**


**Benton:2004:MCA**


**Bruynooghe:2007:TAL**


**Bottoni:1999:SDC**


**Bhatia:2008:RSE**


**Briggs:1994:IGC**


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Blackburn:2007:PBP

Bird:1984:PAS

Bird:1985:APA

Barthe:2011:AMC

Broy:1980:DIA

Breuer:1997:RCS

Barthe:2013:PRR
Buchsbaum:1998:NSL


Buchsbaum:2005:CNS


Bic:1987:DDM


Ball:1994:OPT


Bates:1994:RSL


Blanchet:2003:EAJ

REFERENCES


REFERENCES


REFERENCES


[BOV85] Ilan Bar-On and Uzi Vishkin.

**Boydland:1996:CAG**


**Boyland:2010:SFP**


**Broy:1982:CAA**


**Burns:1989:USS**


**Bendersky:2012:SOB**


**Baumgartner:1997:ISC**


**Balakrishnan:2010:WWY**

Gogul Balakrishnan and Thomas Reps. WYSINWYX: What you see is not what you eXecute.
REFERENCES


[BS83] 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.


Budd:1984:ACV


Burton:1984:ACP


Burke:1990:IBA


Burton:1990:TCT


Burton:1991:TCA


Broy:1987:ADP

Cameron:1989:EHL


Carlisle:1995:TCC


Castagna:1995:CCC


Cattell:1980:ADC


Casanova:1980:FSR


Charron-Bost:1995:LTP


Click:1995:CAC

REFERENCES


Chen:2014:ETI


Choi:1994:SSP


Cytron:1995:ECN


Clements:2004:TRM


Cortesi:1997:CAI


Codish:1994:SAC


Cortes:2004:HLA


REFERENCES


S. Carr and K. Kennedy. Improving the ratio of memory op-

[Cooper, 1986]


[Cooper, 1986]


[Chandy, 1986]

REFERENCES


[CN83] Jacques Cohen and Alexandru Nicolau. Comparison of compacting algorithms for garbage


[CN83] Jacques Cohen and Alexandru Nicolau. Comparison of compacting algorithms for garbage

**Clemm:1990:MEI**


**Cohen:1983:ERR**


**Cohen:1985:NCE**


**Coh91**


**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 ATPSDT. ISSN 0164-0925
REFERENCES

Carle:1995:MBI

Carle:1996:OCP

Corchuelo:2002:RSE

Carson:1987:GSP

Cooke:2008:NTD

Cuny:1987:CDD
Janice E. Cuny and Lawrence


Richard Carlsson, Konstantinos Sagonas, and Jesper Wilhelmsson. Message analysis for concurrent programs using mes-
REFERENCES


Collberg:2007:DGB


Cheney:2008:NLP


Constable:1984:TTP


Damiani:2003:RIT


Darlington:1990:SDG


Dujardin:1998:FAC


Dillon:1988:CET

Laura K. Dillon, George S. Avrunin, and Jack C. Wiledon. Constrained expressions: Toward broad applicability of analysis methods for distributed software systems. ACM Transactions on Programming Languages and Systems, 10(3):
REFERENCES


DeSutter:2005:LTB


DeBruin:1985:DSD


Dencker:1984:OPT


Dunlop:1985:GSU


Drossopoulou:2002:MDO


Donahue:1985:DTV

Decorte:1999:CBT


Debray:2000:CTC


DeFraine:2012:EA


Dershowitz:1985:PAI

REFERENCES


[DGG97] Dennis Dams, Rob Gerth, and Orna Grumberg. Abstract interpretation of reactive systems. ACM Transactions on Programming Languages and Systems, 19
REFERENCES


[DHM00] Mari García De La Banda, Manuel Hermenegildo, and Kim

Dolby:2012:DCA


Dolev:2009:SSP


DeMoura:2009:RC


Dillon:1990:USE


Dolev:2009:SSP


Dolev:2009:SSP


DeMoura:2009:RC


Dillon:1990:USE


DeMoura:2009:RC


Dillon:1990:USE


DeMoura:2009:RC


**Degano:1988:EIL**


**Diwan:2001:UTA**


**Danvy:1996:EED**


**Ducasse:2006:TMF**

DNS +06

Stéphane Ducasse, Oscar Nierstrasz, Nathanael Schärl, 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**

REFERENCES


Drechsler:1988:TCS


Dewan:1990:ASA


Derrick:2011:MVP


Ducournau:2008:PHA


Duggan:1999:DTD

Dominic Duggan. Dynamic typing for distributed programming in polymorphic languages. *ACM Transactions on Programming Languages and Systems*, 21
REFERENCES


REFERENCES

Ellis:1982:TCS


Elder:2014:ADA


Ernst:1980:SAD


Emerson:1997:USW


Eugster:2007:TBP


Finlay:1993:TCC


Fateman:1982:HLL


REFERENCES


Foster:2007:CBT


Fournet:2007:TDA


Fernandez:2004:ICS


Fidge:1993:FDP


Fischer:1980:PCA


Foster:2006:FIT


Fuchs:1985:OPF

REFERENCES


[Finkel:1987:DDI] Raphael Finkel and Udi Manber. DIB — a distributed im-
REFERENCES


REFERENCES

Programming Languages and Systems, 2(3):463, July 1980. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic). See [Fra80b, Moh81, Fra81].


[NY85] Nissim Francez and Shaula A. Yemini. Symmetric inters...

**George:1996:IRC**


**Gazinger:1983:PSP**


**Greiner:1999:PTE**


**Gulavani:2011:BSA**


**Gergeron:1982:SAS**

REFERENCES


REFERENCES

GarciaDeLaBanda:1996:GAC


Giegerich:1983:FFD


Gupta:1993:APE


Graham:1980:ICF


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).

Gupta:1993:APE

REFERENCES


[GLR83] Allan Gottlieb, Boris D. Lubachevsky, and Larry Rudolph. Basic techniques for the efficient coordination of very large numbers of cooperating sequential processors. *ACM Trans-

Ghezzi:1979:IP

Greif:1981:SSW

Ganty:2012:AVA

Gannon:1981:DAI

Ghosh:1999:CME

Grant:2000:BCD

Dan Grossman, Greg Morrisett,


Gal:2008:JBV


Grothoff:2007:EOC


Gil:2008:TDB


Gries:1979:SEB


Griswold:1982:EEI


Grossman:2006:QTI


Giesl:2011:ATP


Giacobazzi:1998:LMR


REFERENCES


REFERENCES


REFERENCES

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


REFERENCES


[Hall:1996:TCH][HHPW96] Cordelia V. Hall, Kevin Hammond, Simon L. Peyton Jones,


Heering:1994:LIP


Hirshowitz:2005:MMC


Hull:1984:CSP


Herlihy:1982:VTM


Hamlen:2006:CCE


Hicks:2005:DSU


Harper:1993:TSS

REFERENCES

Hoffman:1982:PE


Higuchi:2007:STS


Hobson:1984:DEE


Holt:1987:DDC


Horwitz:1997:PFI


Howden:1980:ASV


Haghighat:1996:SAP


Hermenegildo:2000:IAC

[HPMS00] Manuel Hermenegildo, German Puebla, Kim Marriott, and Peter J. Stuckey. Incremental analysis of constraint logic programs.

Horwitz:1989:INV

Henzinger:2002:AGR

Hennessy:2002:IFV

Horwitz:1990:ISU

Harrold:1994:ECI

Huang:2011:MSS
REFERENCES


Hudson:1991:IAE


Haridi:1999:ELV


Hirzel:2007:FOP


Hosoya:2005:RET


Holt:1982:MIE


Herlihy:1990:LCC


Hudak:1991:CIE

REFERENCES

(Honda:2007:UTS)

(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)
REFERENCES

Joisha:2006:AAS


Janssen:1997:MGR


Jefferson:1985:VT


Jeffery:2003:GLS


Jensen:1997:DPA


Juelich:1981:CAS


Jackson:1998:IFM

REFERENCES


Jimenez:2002:RTN


Jagannathan:2014:ARV


Jeannet:2010:RAI


Jaffar:1992:CLS


Jeffrey:2010:ESA


Joshi:2006:DPA


Jones:1983:TST

REFERENCES


Juan:1998:CVC


Kaiser:1989:IDS


Kamin:1983:FDT


Karp:1984:PFF


Katayama:1984:TAG


Katz:1993:SCC


Kaufman:1984:TLR

Arie Kaufman. Tailored-list and recombination-delaying buddy
systems. ACM Transactions on Programming Languages and Systems, 6(1):118–125, January 1984. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).

Kandemir:1999:GCO


Kim:2001:ERV


Kennedy:1999:PRE


Khedker:1994:GTB


Kistler:2000:ADM


Kistler:2003:CPO

Thomas Kistler and Michael Franz. Continuous program...

Kennedy:1998:ADL


Karkare:2007:IBC


Korach:1990:MTD

REFERENCES

Kawahito:2006:ESE

[102x681] REFERENCES
[0x0] 106


Kennaway:1994:AGR


Kopman:1992:CBC


Kristensen:1981:MCL


Kelly:1998:OCC


Klein:2006:MCM

REFERENCES

Knapp:1990:EFD

Kobayashi:1999:LPC

Kobayashi:1998:PDF

Kurlander:1995:EIS

Katzenelson:1992:TMT

Kim:2006:ERI

Kozen:1997:KAT

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

Krogh:1987:AAP

Krogh:1988:AAP

Krogh:1989:AAP

Krogh:1990:AAP

Krogh:1991:AAP

Krogh:1992:AAP

Korach:1984:DAF

Kruskal:1988:ESM

Knoop:1994:OCM
REFERENCES

Kieburtz:1979:CCS

Kieburtz:1983:ARE

Keller:1986:AC

Kennaway:1989:CDS

Kobayashi:2010:HTS

Khedker:2007:HRA
REFERENCES


REFERENCES

LaLonde:1984:TCC

LaLonde:1989:DFD

Lamport:1979:NAP
Lam79 Leslie Lamport. A new approach to proving the correctness of multiprocess programs. ACM Transactions on Programming Languages and Systems, 1(1):84–97, July 1979. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic). See also corrigendum [Lam80].

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

Lamport:1990:WSP

Lamport:1994:TLA

Liao:1996:SAD

Lee:2007:DIE

LaLonde:1981:HOP
Wilf R. LaLonde and Jim des Rivieres. Handling operator precedence in arithmetic expressions with tree transformations. ACM Transactions on Programming Languages and Systems, 3 (1):83–103, January 1981. CODEN ATPSDT. ISSN 0164-0925...
REFERENCES

LeMetyer:1988:AAC

Leeman:1986:FAU

Lee:2009:RFS

Leiss:1990:KME

Leuschel:2004:FIP

Liang:2014:RGB

Lueh:2000:FBR
REFERENCES

Lycklama:1991:FCF

Lhotak:2008:RAB

Lindstrom:1979:BGC

Lin:1993:PIA

Liu:1999:SVF

Lee:2002:ADC

Leuschel:1998:CGP
Michael Leuschel, Bern Martens, and Danny De Schreye. Controlling generalization and polymvariance in partial deduction of normal logic programs. *ACM Transactions on Programming Languages and Systems*, 20(1):
REFERENCES


REFERENCES

117


Leroy:2000:TBA


Levanoni:2006:FRC


Lieberherr:2004:TOS


Leung:2001:STC


Lim:2013:TSG


Luckham:1979:VAR


Leverett:1980:CSD

Lindstrom:1981:RRB


Liskov:1983:GAL


Lamport:1984:HLC


Lang:1998:SAE


Levi:2003:MSA


Li:2004:ATI


Liquori:2008:FME


Liu:2009:DRE

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

[Liu:2005:OAA]

[Lamport:1982:BGP]
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 7?) cannot be reached unless fewer than one-third of the processes are faulty. This result assumes that authentication, i.e., the encrypting 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.


[League:2002:TPC]
Christopher League, Zhong Shao, and Valery Trifonov. Type-preserving compilation of Featherweight Java. *ACM Transactions on Programming Languages and Systems*, 24(2):112–152, March 2002. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).

[Lengauer:1979:FAF]

[LeCharlier:1994:EEG]
REFERENCES


Lipton:1983:VLP

Leivent:1993:MFT

Liskov:1994:BNS

Lee:1998:PAF

Mallgren:1982:FSG

Merlin:1983:CSS

Morris:1999:SF
REFERENCES

Millstein:2004:MTH

Morris:2009:TTN

Misra:1982:TDD

McGraw:1982:VLD

McKinley:1996:IDL

Morrison:1991:AHA
R. Morrison, A. Dearle, R. C. H. Connor, and A. L. Brown. An ad hoc approach to the implementation of polymorphism. ACM Transactions on Programming Languages and Systems,
REFERENCES


Moreau:2005:BDR

Moon:1997:PNC

Mauney:1988:DEL

Matthews:2009:OSM

Millstein:2009:EMP

Moriconi:1986:PSP
Mark Moriconi and Dwight Hare. The PegaSys system: Pictures as formal documentation of large programs. ACM Transactions on Programming Languages and Systems, 8(4):524–546, October 1986. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).

Mirani:2004:FCM
Rajiv Mirani and Paul Hudak. First-class monadic schedules.
REFERENCES


Merro:2006:BBS


Milne:1985:CRC


Minsky:1984:SLC


Misra:1981:EPE


Misra:1994:PSP


Micallef:1994:EAG

Ma:1980:DMI


Martelli:1982:EUA


Myers:1989:RRA


Markstrum:2010:JDP

Masticola:1995:LFM


Morgan:1996:PPT


Mohan:1981:TCF


Molmitra:1983:TCA


Monniaux:2008:PVF


Morgan:1988:SS


Moller:2007:SVX

REFERENCES

Muller-Olm:2007:AMA


Murer:1996:IAS


Mitchell:1988:ATE


Moore:2002:AC


McKinley:2007:ECG


McKinley:2010:DVT


McKinley:2010:PVT


Menon:2003:FSA

REFERENCES

813, November 2003. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).

Moreau:2005:RAP

Morgan:1988:RC

Maher:1983:API

Murphy:1988:NDP

Marriott:1994:DAI

Madhavan:2000:EGG

Morris:2008:DNF
REFERENCES

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

**Moret:1980:AVR**


**MacDonald:2009:DDP**

[Steve MacDonald, Kai Tan, Jonathan Schaeffer, and Duane Szafron. Deferring design pattern decisions and automating structural pattern changes using a design-pattern-based programming system. *ACM Transactions on Programming Languages and Systems*, 31(3):9:1–9:49, April 2009. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).]

**Muller:1992:MLR**


**Murtagh:1991:ISM**


**Mueller:1987:RMS**


**Maassen:2001:EJR**


**Manna:1980:DAP**

[Zohar Manna and Richard Waldinger. A deductive ap-
REFERENCES


**Manna:1984:SCP**


**Mulkers:1994:LSD**


**Morrisett:1999:SFT**


**McKenzie:1995:ERS**


**Myers:1990:CUI**


**Narlikar:1999:SES**

REFERENCES


REFERENCES

Nielson:1986:TCC


Nanda:2006:ISM


Nikolic:2013:RAP


Nowatzki:2015:SFS


Naik:2008:TSE


Nandivada:2013:TFO

REFERENCES


REFERENCES


REFERENCES


Paulson:2001:MTP


Papadimitriou:1980:PBH


Pingali:1997:OCD


Paz:2007:EFC


Porter:2015:PFG


Park:1985:NAL


Preda:2008:SBA

REFERENCES


[PF96] Todd A. Proebsting and Charles N. Fischer. Demand-driven reg-
References

Pratikakis:2011:LPS


Poletto:1999:CTL


Piquer:1996:IDG


Pai:1980:GCR


Pippenger:1997:PVI


Paek:2002:EPA

REFERENCES


[PP94] Shlomit S. Pinter and Ron Y. Pinter. Program optimization and parallelization using idioms. ACM Transactions on Programming Languages and Systems,
REFERENCES


REFERENCES

Poletto:1999:LSR

Pottier:2003:IFI

Pearlmutter:2008:RMA

Pottier:2005:SAS

Pierce:2000:LTI

Purushothaman:1991:CDF

Purtilo:1994:PSB

Pugh:1994:SAU


Pugh:1998:CBA


Palsberg:1995:EIA


Palsberg:2005:ADC


Qian:1995:CR


Qian:2000:SFI

|------------------------|---------------------------------|

|-----------------------|--------------------------------|

|-----------------------|--------------------------------|

<table>
<thead>
<tr>
<th>Rao:1994:RAP</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Josyula R. Rao. Reasoning about probabilistic parallel programs. <em>ACM Transactions on Programming Languages and Systems</em>, 16(3):798–</td>
<td></td>
</tr>
</tbody>
</table>
REFERENCES


Rinard:2003:ESB


Rossberg:2013:MMM


Rong:2008:RAS


Rem:1981:APN


Reiss:1983:GCS


Reps:1986:GEI


Reps:1998:MMT


Reps:2000:UCS

REFERENCES

Ramsey:1997:SRM

Rosenkrantz:1987:EAA

Rhiger:2003:FEL

Richter:1985:NSE

Roychoudhury:2004:UFT

Renganarayanan:2012:PLT

Rinard:1998:DIE
Martin C. Rinard and Monica S. Lam. The design, implementation, and evaluation of Jade. *ACM Transactions on Programming Languages and Systems*, 20(3):483–545, May 1998. CODEN ATPS DT. ISSN 0164-


REFERENCES


REFERENCES


REFERENCES

Sangiorgi:2009:OBC


Schwartz:1980:U


Schneider:1982:SDP


Schmidt:1985:DGV


Sampaio:2013:DA


Strickland:2013:CFC


Sethi:1983:CFA


Stamos:1990:RE

REFERENCES

150


Sistla:2004:SRS [SG04]

Sreedhar:1996:ILU [SGL96]

Sreedhar:1997:ICD [SGL97]

Sreedhar:1998:NFE [SGL98]

Steenkiste:1989:SIR [SH89]

Sharir:1982:SOC [Sha82]
Stoyle:2007:MMS


Sheard:1991:AGU


Sijtsma:1989:PRL


Sipala:1982:CSB


Sites:1979:CLI


Spoto:2003:CAA


Scott:2006:RNG


Smans:2012:IDF

REFERENCES

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

**Schwanke:1988:SR**


**Sangiorgi:2011:EBH**


**Skudlarek:1995:NMI**


**Shankar:1992:SRH**


**Schultz:2003:APS**


**Sloane:1995:EAG**


**Steensgaard-Madsen:1981:SOA**

REFERENCES


REFERENCES


REFERENCES

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


REFERENCES

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


Terauchi:2008:CCC


Terauchi:2008:WSE


Tai:1979:NSG


Tanenbaum:1983:TCT


Tardieu:2007:DLS


Tsay:1995:DFP


Tofte:1998:RIA


Tzannes:2014:LSR

REFERENCES


Gerard Tel and Friedmann Mattern. The derivation of dis-
REFERENCES


[TSL+02] Thammanur:2004:FME


[TSR08] Torp-Smith:2008:LRA


[TSL+02] Tip:2002:PET

[TSL+02] Thammanur:2004:FME

[TSL+02] Thammanur:2004:FME

[TSL+02] Thammanur:2004:FME

[TSL+02] Thammanur:2004:FME

[TSL+02] Thammanur:2004:FME

[TSL+02] Thammanur:2004:FME

[TSL+02] Thammanur:2004:FME

[TSL+02] Thammanur:2004:FME

[TSL+02] Thammanur:2004:FME

[TSL+02] Thammanur:2004:FME

[TSL+02] Thammanur:2004:FME

[TSL+02] Thammanur:2004:FME

[TSL+02] Thammanur:2004:FME

[TSL+02] Thammanur:2004:FME

[TSL+02] Thammanur:2004:FME

[TSL+02] Thammanur:2004:FME

[TSL+02] Thammanur:2004:FME

[TSL+02] Thammanur:2004:FME

[TSL+02] Thammanur:2004:FME

[TSL+02] Thammanur:2004:FME

[TSL+02] Thammanur:2004:FME

[TSL+02] Thammanur:2004:FME

[TSL+02] Thammanur:2004:FME

Thies:2007:STU


Tanenbaum:1982:UPO


Thatcher:1982:DTS


Tse:2007:RTP


Ungar:1992:ATP


Unger:2002:HIL


Vera:2005:ACM

Xavier Vera, Jaume Abella, Josep Llosa, and Antonio González. An accurate cost model for guiding data locality transformations. ACM Transactions on Programming Languages and Systems, 27(5):946–987, September 2005. CO-
REFERENCES

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


Peter Van Roy, Seif Haridi, Per Brand, Gert Smolka, Michael Mehl, and Ralf Scheidhauer. Mobile objects in Distributed Oz. *ACM Transactions on Programming Languages and Systems*, 19(5):804–851, September


REFERENCES


REFERENCES

Waters:1983:UFC

Waters:1991:ATS

Waters:1994:CBP

Wright:1997:PST

Walker:2000:TMM

Wileden:1990:CEO

Wileden:1991:CCE
REFERENCES

Webber:1995:OFP

Weihl:1989:LAP

Weihl:1990:LSA

Wagner:1998:EFI

Widom:1992:TBN

Wetherell:1982:EDV

Weyuker:1983:ATD
REFERENCES


Widom:1993:CTB


Walley:1994:AIC


Williams:1982:FNS


Winner:1984:UO


Wing:1987:WLI


Wirth:1988:TE

REFERENCES

46167.html. See remarks [Coh91, Wir91].

Wirth:1991:TCR


Wise:1979:MGC


Wright:1998:PSE


Wand:2004:SAD


Weihl:1985:IRA


Wellings:2000:IOO


Wright:1998:PSE


[WS97] Deborah L. Whitfield and Mary Lou Soffa. An approach


REFERENCES


Ying:2011:FHL


Yu:1997:NCI


Yang:1997:SMC


Yu:1994:LTS


Yellin:1991:ILI


Yellin:1997:PSC


Young:1999:SCB

Cliff Young and Michael D. Smith. Static correlated branch prediction. *ACM Transactions on Programming Languages and Systems*, 21(5):1028–1075, September 1999. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593
REFERENCES

174


Yaha:2010:VSP


Yang:2002:EEB


Zave:1985:DAF


Zhao:2007:FFS


Zhang:2005:CPT


Zanden:2001:LLA


Zhou:1996:PPC

Neng-Fa Zhou. Parameter passing and control stack manage-


