A Bibliography of Publications about the Java Programming Language, 2010–2019

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Abstract
This bibliography records books about the Java Programming Language and related software.

Title word cross-reference

3 [DiP18b, FLZ+18, GBC12, JEC+12, ZXL16].
$39.95 [Ano18]. 4 + 1 [SRB18]. \tau_P [LTK17].
C_p [AÖ11]. K
PLL+18, SS19, SD16b, SGG+17. N
-core [PLL+18]. -Means [SS19]. -overlap
[ADJG19]. -safety [SD16b]. -Tier

[WZK+19].
/multi [Taf13]. /multi-threaded [Taf13].
’12 [Hol12]. 12th [Fox17a].
2015 [LSBV17]. 27th [KP15].
5 [Dan18, KHR11].
6 [Jen12].
7 [Ano15, EV13, J+12]. 75 [HWM11].
8 [BKP16, CWGA17, LYBB14, SAdB+16, UFM15].
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answering
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AOP
AOT
Apache
API
app
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approximate
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asymmetric
asymptotic
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Atomicity
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augmentation
Augmenting
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awareness [VGS14]. axiomatic [TVD10].

Bad [dGRdB+15]. baggage [KFB+12]. balances [FMBH15]. balancing [PDPM+16]. Ball [DD13]. Bar [WCG+18]. Barrier [CHMY19, CHMY15, VB14a]. barriers [HJH10, WBM+10]. Based [AFGG11, DLR16, GM12, GGZ+15, GGC18, LTD+12, MdV12, MD12, PTML11, PDCH11, PE11, RBL12, RT14, SGD15, SLS+12, ST15, SWF12, YPMM12, AYZ10, AZLY18, AST+16, AD13, BBF+10, BBP13, BB17, BL15, CDTM10, CNRG19, CSKB12, CJ17, CJ19, CPST14, CPST15, EKU10, GT10a, GMC+13, GGC19, HWM14, HWT+12, HOKO14, HWML11, HWN12, IRJ+12, JEC+12, JMO14, KATS12, KS13, KRCH14, KyRHA14, KS14, Lon10a, Lon10b, MCC17, MB12, MCY+10, Ott18, PDPM+16, PSW11, SZ11, SBK13, SMP10, SPY+16, SV17, SNS+14, UIY10, UPR+18, VSG17, XHH12, YP10, YKA+19, ZYQ+12, ZYY+19].


Behavior [Sun18, LWB+15, RLBV10, TABS12, WX16]. Behavioral [LN15, AMWW15]. behaviors [PCL14].


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Board [GLGA19]. boilerplate.

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[IN12, ZP14]. caches [NGB16].
calculations [VSG17]. Calculi [FFF17].
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*Encoding* [MH19], casts [SH12].
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*Centric* [DMM+12, FOPZ14]. CERT [LMS+12].
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[AGH17, PLL18]. **deconstructing**
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**deprecation** [SRB18].
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**Desktop** [GS11].
**detect** [GGC18].
**Discovering** [Sev12a].
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**discrete** [DDDF17].
**Disease** [PE11].
**Dissimilar** [JJCO19].
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**domain-specific** [CSIL16, EK+13, HWW15].
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**DSU** [PVH14].
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e-Science

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extraction
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Extremal [LTD+12].

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Eye-Tracking
[OAC18, RLMM15].

F [GMT14, TTD12].

F-bounded [GMT14].

F-MPJ [TTD12].

FAA [Sch10a].

FACADE [NW1+15].

face [XHF12].

Facebook
[Ano13, HOSC16].

Facets
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Factors
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failing
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failures [CRAJ10].

false
[HWI+12].

familiarized [Ame13].

family
[KHM+11, KvRHA14].

family-based
[KvRHA14].

Fast
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YMHB19, Zak18, BB17, KMMV14, KCP+17,
LX19, MDM17, MHBO13, SV15b, WSH+19].

Faster
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Faults
[SRTR17, KPP+18, ZZK13].

FC
[YWW+18].

Featherweight
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[AH10, KvRHA14, OJ12, SS19].

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[KvRHA14].

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FIFO [QSaS+16].

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find [Ryu16].

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Fine
[BVGVEA11f, DRN14].

fine-grained
[DRN14].

Fingerprints
[MSSK16].

Finite
[BLH12, MB12].

Finite-State
[BLH12].

first
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first-class
[SC16, TSD+12].

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J [KMLS15]. J2M [LZYP16]. J2ME

[Bro12, Den18, Fox17a, Gve13, HWM11, HTW14, MV15, Ngo12, Sch13, VK12, AO11, KvGS14, PQTGS17, SAitB16, ABC18, AShDMGM14, AST12, AFGG11, AYZ110, AdScDr19, AS14, AAB10, Alt12, Ame13, AdCGGH16, AT16, And14, Ano12, Ano13, ABMV12, AGR12, AGR17, ABC10, ADI13, ABFM12, AK13, BK12, BH17, BMR14, BH12, BDT10, BVGVEA10, BVEAGV10, BVGVEA11a, BVGVEAEFG11, BVGVEA11b, BVGVEA13, BVGV14a, BVGV14b, BS12, BMDK15, BO11, BO12, BO13, BP19, BCR11, BDGS13, BCD13, BD17, BRGG12, BlvdS17, Bla18, BR12, BH10, BR15, BB12, BNP11, BL15, BW12, BA12, BZD17, BSOG12, BMO12, BKP16, BA17, BJBK12, CIA13, FGB19, CSZ17, CZ14, CM17, CWW13, CV14, CS12, CDTM10, CCFB15, CNRG19, CC15, CRJ10, CW17, CSF16, CSK17, CCH11, CJ17, CJ19]. Java

[CYWD19, CDG17, Cle16, CDMR19, CK18, CSdL16, CCA12, CM110, CRAW10, DJLP10, Dan18, DDDF17, DLM10, DLZ13, DVL13, DR10, DHS15, DJB16, DMS11, EOS15, EK13, ESI14, EQT10, Esq11, EABVGV14, Esg13, EV13, ETTD12, ET15, FLZ18, FRGPLF12, FGR12, Fer13, FFF17, FLL13, FHSR12, Fox17b, FMS11, GLGA19, GMPS12, GvRN11, GYB11, GM12, GIS14, GDC12, GS11, GS12, Gon11, GMC13, GT10b, GJS13, GJS14, Gtt17, GPT12, GK15, HL13, HD17, HD17, Has12, HWM10, HWM13, HWM14, HA13, HM12, HTLC10, HKVG14, HH13, HOKO14, HGCA11, Hor11, Hor12, HC13, HC10, HZK19, HWLM11, HJ12, IHW12, IN12, IS18, IF16, JC10, JEC12, JQJ16, JLL17, Jen12, JB12, JYKS12, JTO12, JH11, J+12, JMB12, JMO14, KHR11, KHM11, KMLS15]. Java

[KS13, KW10, KW11, KPP18, KM10, KSR14, KSPK12, KDPG18, KS14, KF11, KB11, LSVB, LSVB, LTD12, LMK16, LSWM16, LLL13, LT11, LT14, LZY16, LXP18, LYBB13a, LYBB13b, LYB14, LZ12, LKP19, Loc13, Loc18, Lon10a, Lon10b, LMS12, LMS13, LO15, LPA13, LWC17, LTK17, LS11, Lyo12, MKZ14, MS13, MME10, MLGA11, MDS17, MCC17, MPM15, MHN19, MZC10b, MKTD17, MM16, MHH10, MAH12, MB12, MLC10, MG19, MP12, MLM17, ML19, MKK12, M KK13, MSL10, MCW19, MV15, MT14, MDHS10, NM10a, NCS10, NS12, Nil12a, Nil12b, NG13, NNTK17, NNT19, NM10b, NBB18, OAK14, OOK10, OM10, OIA13, OUY13, OW16, OJ12, OCFL14, PS11, PLL18, PdMG12, PTML11, PMLT14, PTH14, PL12, PiLCH11, PBH13, PB19, PPH15, PMP16, PQD12, PVH14, PTF15]. Java

[PS10a, PS10b, PDPM16, Ps19, PWS11, Puf13, PKC13, QLS17, RD15, RDCP12, RTE13, RTET15, RR14, RS12, RHT13, R13, RBL12, RA16, RS12, Rey13, Rez12, RV11, RLMM15, RRB19, RB15, RV14, S118, SSB14a, SE12, SRB18, SRT17, ST12, SS12, Sch14, Sch13, Sch10a, SPP10, SKK11, SD17, Sch10, SMS10, SSMG10, SZ10, Set13, SMSB11, SMS12, SM12, SD12, SMW17, SW12, SGV12, SEV19, SKBL11, SD16a, SJS10, SLS12, SK17, SS14, SABB19, SP10b, SMP10, Sp16, SBE19, SPP10, SWB15, SSB01, SSB14b, ST15, SM19, SPS17, SSG14, SS19, STS13, Sve14, SW12, TRTD11, TTD11, TTD12, TRE13, TLL11, TWX10, TFPB14, TN19, TNN12, TG17, TLL18, TLT15, UR15, UFM15, UPR18, VSG17, VR15, VB16, VBMD16, VBG14, VBAM10a, VBAM10b, VBMA11]. Java

[WG11, Wam11, WZdS17, WCST19, W119, WBM10, WK12, WCB16, WN10, WZ17].

Java-to-HDL [OY{U}^{+13}].
Java-to-JavaScript [LSWM{16}].
Java.util.Collection.sort [dGRdB^{+15}].
Java./JSP [Sch{10b}].
Java/Scala [Post{19}].
JavaBean [MZC^{10a}].
JavaBIP [BMSZ{17}].
JavaCC [GN{16}].
JavaCOP [MME^{+10}].
JavaAdapler [PK{C}^{+13}].
JavaFX [FBG{17}, Top{14}].
JavaGI [WT{10}, WT{11}].


K-Java [BR{15}, kernel [HDK^{+11}, Key [BBB^{+17}, DFR{13}, JB{12}, key-value [DFR{13}, keynote [Mck{16}, Kirk [Del{13}.]
KiWi [BBB+17]. KJS [PSR15].
Knorneschild [Del13]. knot [LBF12].
know [DBJ16, Gra15, Han15]. Knowledge [KSPK12, UMP10]. known [Han15].
Kraken [Ano14].

Lake [Hol12]. lambda [MKTD17].
lambdas [UFT15]. landscape [Sve14].
Language [DLPT14, GJS+13, GJS+14, GSS+18, JCT10, KSPK12, MAHK16, NM10b, Sev12h, SS13, WBHN18, ABCR10, CMM17, CSDL16, DAA13, EKR+12, Fee16, GSS+16, Hos12, HWW+15, KRCH14, LWH+10, LE16, MDM17, SC16, SZ10, SKR17, SNS+14, VB14a, WCG14, WHH+17, ZWSS15, dCMMN12]. language-level [WCG14].
Language-Neutral [WBHN18].
Languages [CSGT17, MSM+16, PTHH14, YKM17, AGGZ10, BCD13, CMS+12, DTM+18, EEE+13, ER14, FMBH15, Han15, HBT12, HJS+10, KRR+14, MSM+10, NED+13, PULO16, SPKT18, SY+16, Zha12].

Lessons [URJ18]. Level
AC16, MGH14, SWU+15, YXS+19, EKUR10, Hos12, IHW12, KBL14, LWC17, MGI17, RFBJ14, TTD+11, VWJB10, WCG14].
leveraging [WCST19]. Lexical [GN16].
Lexicon [TAF+18].
Libraries [BK12, RDCP12, BIvdS17, Cho14, EKR+12, PMTL14, PLR18, TTD+11].
Library [CH17, CWGA17, NBB18, OCFL14, TAF+18, WN10, dJM18, CMM17, PMP+16, PQTGS17, Pos19, TFPB14, TGZ17].
Linux [Ric14]. Linux-basierte [Ric14].
Listener [JH11]. little [Han15]. liveness [LDL14]. load [PDPM+16]. loaders [SM12].
loading [WGF11]. Local [NBB18, DDDF17]. localised [SP10b].
locality [HIJH10, OJ12]. localize [ZZK13].
location [NCS10]. Locators [SDM12].
Lock [FC11, NM10a, NFV15, UMP10].
Lock-free [FC11, NFV15]. Locking [GGRSY17, JTO12, GGRSY14, GGRSY15, YKA+19]. locks [SPS17]. Logging [CV19, CJS17].
Logic [ZLP18, GMS12, Pha18, SD16b]. loop [DD13, HWT+12, PLR18]. Loops [RD15, LLI13]. loss [WHIN11].
Low [ETR+15, GM12, SWU+15, WCG14, ZHCB15, ZKF+16, BCR13, XMA+10].
Low-Budget [GM12]. Low-latency [ETR+15]. Low-level [WCG14].
Low-overhead [ZHC15, ZKF+16].
low-utility [XMA+10]. lunch [DTLM14].

m [MZC10b]. m-JGRIM [MZC10b]. M2M [Pau14]. Machine [JJCO19, LYBB14, Ame13, CBLFD12, KS13, KC12, McM11, Piz17, SMGD10, WGF11, WHV+13, BZD17, Cle16, LYBB13a, LYBB13b, LTK17,
PTHH14, RRB19, SSB⁺14a, Sch13, Set13, SSB11, SGG12, SSB01, SSB14b, UR15.

Machine-Learning [JJCO19]. Machines [AGR12, GTS⁺15, JK13, KRCH14, NK10], macros [DFHF15]. Magic [SP10b].


malware [CSK17]. Managed [MAHK16]. MAPLE [BG17, JYKS12, SSM11, SGV12, SSB01, SSB14b, UR15].

management [BG17, JYKS12, SSM11, SGV12, SSB01, SSB14b, UR15].

Managed-Language [MAHK16]. Management [OTR⁺18, Pau14, PMLM12, AHK⁺15, BVGV14a, BGS⁺13, EKUR10, HB13, KCP⁺17, KB17, MLM17, Nil12b, PCL14, SWB⁺15, Tar11, WGW⁺11]. manipulating [KRR19, YS10].


MATLAB [Alt12, FBB17, PMTL14, VF10, Has12].


memories [ASME18]. Memory [BG17, JYKS12, MSM⁺16, NWW⁺18, OTR⁺18, SS14, ST15, WZL⁺18, AHK⁺11, AHK⁺15, AGG10, BMSB16, BFS⁺18, CWW13, DLZ⁺13, DVL13, FC11, FF10, GYB⁺11, HBB⁺14, HB13, KHL⁺17, KCP⁺17, KB17, Loom13, MSM⁺10, MLM17, Nl12b, OMK⁺10, RW17, SMS⁺12, SEPV19, SMN⁺12, SWB⁺15, SV15a, Tar11, TLD10, VB18, WGW⁺11, XR13, YSCX17, ZP14, ZHCB15, ZBB17]. memory-performance [SEPV19]. MemSAT [TV10]. merge [ABC18]. Mergesort [LL15]. merging [SZZ⁺19, TLX17]. Message [KF11, ETTD12, TRT11, TTD12, UR15].

message-passing [ETTD12, TRT11, TTD12, UR15]. messages [eBH11]. meta [MD15, SZ10]. meta-circular [SZ10]. meta-compilation [MD15]. metadata [DVL13, WCST19].

MetaFJig [SZ10]. metaheuristics [DDDF17]. metapartitioning [PS11].

Method [AC16, BVGV14a, BA19, GD12, AST12, AL16, HMDE12, SS19, SS16, VBMD16, ZYY⁺19]. Method-Level [AC16]. Methods [MM16, Pau14, VBZ⁺18, Bra14, GRF11, LSV16, LSV17, SS18].

Metrics [KB11, JK11, SSK13, Sh13]. MeTRiken [Sh13]. Microscopic [RXK⁺17]. Microservices [KH18, LSCPE18].

Microsoft [Ano13]. Middleware [RTE⁺13, AdSCdR⁺19, HOKO14, HWLM11, MZC10b]. middleweight [IP16, MT14].

midstream [SSG⁺14]. Migrating [AST⁺16, CDTM10, FGB⁺19]. Migration [OWKPM15, Fee16]. migrations [TFPB14].


Mock [SABB19]. Model

Names [SRTR17]. Naming [STST12].

Native [JQJ+16, LT11, LT14, KFBK+15, STS+13].

Natural [LL15]. naturalness [HBG+16].

NDetermin [BENS12]. nested [CHM16, ZLB+13]. Netflix [Liu14].

Network [CC15, GGC18, GGC19, RR14].

Networking [Hol12]. Networks [AFGG11, ETR15, HNTL12].

Neural [YWW+18, ZYY+19]. neural [YWW+18, ZYY+19].

neuromorphic [HNTL12].

Neutral [WBHN18]. Next [YWW+18, CRJ+10, CMM+10].

Next-Generation [YWW+18]. NG2C [BOF17].

NGS [YWW+18]. NGS-FC [YWW+18].

Nicolai [Bla18]. Nixon [Ano15]. No [BVGVEA10].

No-Heap [BVGVEA10]. NoCs [PWA13]. Node [HC11, BJBK12].

Node.js [BGS+12, MTL15, Ano14]. nodes [DRN14].

Nominal [BO13]. Non [BVGVEA11b, BSOG12, GGZ+15, TD17, WZL+18, YKM17, MZC10a, OMK+10, SSL18, ZP14].

Non-Adequate [GGZ+15].

non-cache-coherent [ZP14]. non-cloned...

PaaS [ZLHD15]. Package
[SLS+12, CRAT+12, MB12, OW16, AK13]. Packages [PiLCH11]. PackedObjects
[YKA19]. panic [Ano12]. Paper
[DDDF17, PDPM+16, Cha18, SV15a]. paperback [Ano18]. Papers
[DV13, HL13, LMK16, Pufi13]. Parallel
[DS16, Esqi11, LLI13, LHR19, MKG+17, NKH16, NBB18, QSaS+16, RD15, RSI12,
AACC18, BPI0, BP13, BSMB16, CRP+10, MGS19, NG12, NG13, PPMH15, Siei0, SZ11,
TDD12, Taf13, VYY10, BKP16, WN10]. Parallelisation [GS11]. Parallelism
[NKH16, BENS12, HSS13, MZC10a, RHSD15, TILW12, ZLB+13]. Parallelization
[DTM+18, SS16, YRBH13]. parallelize [LPA13]. Parallelizing [NKH16, eYJD12]. parameters
[GBS14]. Parametric [AGGZ10, PULO16, UTO13]. Parlog
[Bla18]. Part [KP15]. ParTejas [MKG+17]. Partial
[CSK17, JB12, SGD15, SMP19, BS13, LX19, MD15, TD15, WGF11, WWH+17]. Partial-Order
[SGD15, TD15]. Partially
[BLH12, BCR11]. Partitioning
[AD16, BS12]. party [FOPZ14, LVG10]. passing
[ETTD12, TRTD11, TDD12, UR15]. Path
[SGD15, AZLY18, DD13, HSS13, SMP10]. path-based [AZLY18]. path-length
[SMP10]. Path-Sensitive [SGD15]. pathfinder [KPP12, CS12, MP12, NTK17, NTT+19, PdMG12, SM12,
vdMvdMV12, Den18, RRI4, SMP19]. patient [EKUR10]. patient-level
[EKUR10]. pattern [GSD+15, SAdB+16]. Patterns
[RC17, BVGVEA11b, Del13, Ste10]. PayPal
[Ano14]. PCR [YCYC12]. PCR-RFLP
[SLE+17]. Perform [LMZP19]. Performance
[ACCR18, CSZ17, CCH11, DR10, GBC12,
Hol12, HJ12, SM+16, Oak14, OCF114,
QSaS+16, RVT18, TRE+13, TPG15,
THC+14, URJ18, VP16, WWG+18, WN10,
ACS+14, AAB+10, BRGG12, BRWA14,
CBGM12, Del11, GSS+16, HWI+12, IRJ+12,
JH11, Ngo12, ODL15, PSNS14, SE12,
SEP19, TDD+11, TWX+10, WFF18,
WHIN11, WWH+17, Zak10]. performance-guided [PSNS14]. permission
[HB12, SNS+14]. permits
[PPS16]. Persistence [LZ12]. Perspective
PHP [Ano15, Ott18, TTS+10]. Phynx
[EKUR10]. Physics [Zak18, JEC+12]. pickler [MHBO13]. pickles [MHBO13]. pipeline
[LPA13], pipelines [CRP+10]. Pivot
[AD16, MRF18]. PL [FGB+19]. PL/SQL [FGB+19]. place [DV13]. Plan
[DLZ+13]. Platform [AFGG11, PE11,
WBH18, BD17, CRJ+10, CMM+10, GD10,
GMC+13, MKZ+14, PWA13, YP10]. Platforms
[DR10, Has12, BP10, JMO14, KSR14].
PLDI [FLL+13]. pluggable [MME+10]. Point
[Jaf13, AJL16]. Pointer
[LHR19, LTMS18, LX19, TL17]. Pointers
[RKN+18, AT16]. Points [BK12, SDC+12,
BSAL18, DHS15, SBK13, TLX17]. Points-To
[SGC+12, BSAL18, DHS15, SBK13, TLX17]. Policies
[FH12, MPS12, BVG14a]. policing [DW10]. Policy [YPMM12, JK13]. Policy-Driven
[YPMM12]. polyglot
[EV13]. Polymorphic [Zha12]. polymorphism
[GMT14, PUL16, UTO13]. polynomial
[Pos19]. POPL [BCR13]. Popular
[Has12, SRB18]. Popular-but-Seemingly-Dissimilar
[Has12]. portable [BM18, LTK17, RGM13].


Quicksort [KM10]. query- [FWDL15]. query- [FWDL15]. questions [KM10]. Quicksort [AD16].

R [CH17, Dan18, KMMV14, NL14, SLS+12, Vit14]. Race [BH10, EP14, RD15, AMT17, BGOS18, EQT10, HHH+14, RGB18, WFF18].

Reachability [NS13]. React [HOSC16]. reaction [SRB18]. reactive [BCvC+13, MvH15]. read [NM10a]. read-only [NM10a]. Reading [Jaf13].

ready [RHS15]. Real [BVEAGVA10, BBB+17, Fox17b, HTW14, KW11, Nil12a, Pau14, SLES15, SLE+17, VK12, BCR13, BVGVEA10, BVGVEA11a, BVGVEA11b, BVGVEA13, BVGV14a, BVGV14b, CRAJ10, DW10, EABVG14, Fox17a, GMC+13, HTLC10, KHM+11, KPHV11, KvGS+14, KW10, KPP+18, KSR14, LTK17, MDS+17, PS10b, PZM+10, PSW11, Puf13, RHT13, SP10a, Sie10, SPS17].

Real-Time [BVEAGVA10, BBB+17, Fox17b, HTW14, KW11, Pau14, SLES15, SLE+17, VK12, Nil12a, BCR13, BVGVEA10, BVGVEA11a, BVGVEA11b, BVGVEA13, BVGV14a, BVGV14b, CRAJ10, DW10, EABVG14, Fox17a, GMC+13, HTLC10, KHM+11, KPHV11, KvGS+14, KW10, KSR14, LTK17, PS10b, PZM+10, PSW11, Puf13, RHT13, SP10a, Sie10, SPS17].


Reduction [BO12, MSS19, SMP19, TD15]. redundant [HLO15]. reengineering [FGB+19]. Refactoring [AS14, STST12, VBZ+18, ZHL+12, FMM+11, FM13, SZZ+19].

refactoring-aware [SZZ+19]. Reference [Sch14, Sun18, UJR14, HMDE12]. refinement [GY16, JLP+14, KSW+14, MCW19, SNCMI9, ZMG+14, ZFZ+16].

relaxed [DNB+12, KHL+17, PPS16].
relaxed-memory [KHL+17]. Release
[Ano14], reliability [HWLM11], reliable
[LMS+13], relating [IN12].
Remodularizing [OJ12]. Remote
[BVGVEA10, BVGV14a, BJBK12, GSD+15, SS19, BVGVAFG11]. removal
[MRMV12, WGF11]. removing [PLR14].
rename [FM13], Repair [SEK+19],
XMD+17, ZLN18, MDS+17, SHU16].
repeatability [Vit14]. Replacement
[WBHN18, BCD13]. Replay [BH12].
Replaying [WKG17], replication
[CJ17, UIY10]. replication-based [UIY10].
report [CBLFD12, Sch10a]. Reports
[OW16]. repository [HC10].
representation [AZL+18]. reproducibility
[Vit14]. reproduction [SR14b].
Requirements [ZMM19, AGGZ10]. ResAna
[KvGS+14]. Research
[SR17, TRE+13, CRJ+10, CBLFD12,
EKUR10, Rub14, VBMDP16, Vit14].
RESOLVE [Sun18]. Resource
[BVGV14a, WZK+19, YPMM12, ADI13,
ES14, KvGS+14, KSR14, SGV12].
resource-aware [SGV12]. resource-based
[ADI13]. responsive [SPP+10].
responsiveness [PSNS14]. restart [CNS13].
Restructuring [RC17]. results [OD18].
Retention [ZMM+16]. Rethinking
[LHR19, Xue12, RCR+14]. retrofitted
[TTS+10]. retrofitting [LPGK14].
Reusability [Tai13]. reusable
[HC10, MME14]. reuse [WR10]. Reusing
[PKPM19]. Reverse
[CCA+12, MLM17, MLM19]. Review
[Ano15, Ano18, Bro12, Del13, Gve13, Kie13,
Ngo12, Teo12, Teo13, EKUR10]. Revisited
[Mei14, Gon11]. rewriting
[GGC19, HLO15]. rewriting-based
[GGC19]. RFID [AYZ10]. RFLP
[YCYC12]. richer [CV14]. rigor [Vit14].
Rigorous [AGR17]. rings [Pos19, Pos19].
Rise [DiP18a]. risk [MPM+15]. River
[HHSS13]. RJ [OW16]. RMI [SS19]. Road
[RXK+17, SWU+15]. Robin [Ano15].
Robotic [DiP18b, LM15]. Robots [SWF12].
Robust
[VM15, VDV17, MKZ+14, SGV12, VM10].
Rod [Teo12]. ROM [MLM19]. row [Lei17].
row-typed [Lei17]. RTSJ [ZW10]. Rubah
[PVH14]. Ruby [Teo12]. Rule
[YPMM12, QLBS17]. Rules
[CCA+12, HLO15, PTRV18], run
[WAB+11]. run-time [WAB+11]. Running
[HC11, TWX+10, YK14], runs [FIF+15].
Runtime [BLH12, CMM+10, GSS+18,
MAHK16, MSS10, NWB+15, OCFLI14,
XMA+14, BRGG12, EQT10, GTL+10,
GSS+16, LMK16, MS10, OOK+10, PKC+13,
RO12, STY+14, TWSC10, VBAM10a,
WLL19, YRHBL13, dCMMN12]. runtimes
[BMI4, CSV15, RCR+14, WWH+17], ryu
[ALB+19].
S [Gve13]. Safe [Eug13, GvRN+11, JTO12,
Loc18, MPS12, RSF+15, SWB+15, WAB+11,
HJS+10, HAW13, KHR11, KMLS15,
KCP+17, Loc13, RDP16, WWS13]. Safety
[MCW19, RS12, SDH+17, WCB16,
ZLCW14, AGR17, EKUR10, GMC+13,
Nil12b, PG12, SD16b, Taf13, YS10, CWW13,
HL13, LWC13, WK12]. Safety-Critical
[MCW19, WCB16, ZLCW14, RS12,
SDH+17, AGR17, CWW13, LWC17].
Salespoint [ZDS14]. Salt [Hol12]. SAM
[BO13]. San [KP15]. Sane [MPS12].
sanitizer [VS11]. Sapphire [URJ18]. SAT
[UPR+18]. Satin [VWJB10]. SAW
[CFH+13]. Scaffolding [RT14]. Scala
[SMS+12, AT16, Hin13, Lew13, PTML11,
Pos19, SMS11, SMS+12]. Scala-Based
[PTML11]. Scala.js [DS16]. Scalability
[CCH11, VP16, WZK+19, AAB+10,
DSEE13, BFS+18, GTSS11]. Scalable
[BBB+17, BS12, DFR13, GGRSY17, HC11,
JQJ+16, RXK+17, RTE+13, XMA+14,
XXCL19, ET TD12, FC11, GGRSY15, NFV15, PIR17, PLR18, RTET15, TD12.
Simple [BO11, BO12, KCP+17, BVGV14b, MSM+10]. Simplicity [Dei11]. Simplifying [Mor18, Ano18]. Simulating [LM15].

Simulation [HWLM11, FLZ+18, KKW11, Rim12, ZXL16]. Simulation-based [HWLM11]. simulations [MCY+10].


smalltalk [FIF+15, HKVG14]. smart [BL15, GMPS12]. Smartcard [RBL12].

SMARTO [TGZ17]. Smartphones [RT14]. SMARTS [RKK+17]. snapshots [AST12].

Snippets [SWU+15]. SNIP [YCYC12]. SoC [TKL+15]. social [GGC18, GGC19]. Socket [WA19].

Soft [WZK+19, JACS10].

Software [BSA14, CC15, KH18, LMZP19, PBM+19, RC17, Wan11, YQTR15, YMBB19, BMSZ17, BTR+13, CBBGM12, CFH+13, CJ17, CJ19, CDMR19, DV13, EKUR10, FRGPLF+12, FC11, GT10a, HBG+16, JiEd11, JK11, LPA13, MHR+12, NGB16, OIA+13, PLL+18, PBB19, RAS16, SZZ+19, SV17, XR13, YRBL13, ZKZ13, ZHCB15, ZDS14, CKS18].


Specification [GJS+13, GJS+14, IF16, KW11, LN15, LYBB13a, LYBB13b, LYBB14, MCW19, TWW12, BVGVEA11a, BCF+14, KR12, KW10, MRA+17, YP10, dCMMN12].


SqueakJS [FIF+15]. SSNTDs [VSG17]. Stability [BSA14, LL15]. stabilizing [hED12].

Stack [WBHN18, CDBD18, KRCH14, Xue12].

stack-based [KRCH14]. stage [WRI+10]. staged [SC16]. staging [RO12].


State [AGR12, BLH12, MvDL12, MS14, GN16, YP10]. state- [YP10]. statecharts [MS13].

Statement [XMD+17, PLR14, ZWS15]. statements [PLR14].

Static [BGK17, BNE16, JCI0, LMZP19, MTL15, ODL15, PilLCH11, PLR18, RD15, SW12, Spol16, SBE+19, SNCM19, SH12, AM14, BGOS18, CGJ+16, Fer13, FLL+13, IF16, KSW+14, LS11, MHR+12, PR17, TLMM13].

statically [BTR+13, NED+13]. statistical [Bra14, ZFK+16]. statistically [PPMH15].

statistics [HCN14]. stealing
[KFB+12, TWL12]. STM [CHM16, Sub11].
STM/HTM [CHM16]. StMungo
[KDPG18]. stochastic [CRAT+12]. stock
[PVH14]. Stop [LWB+15]. stops [BNP+18].
Storage [Holl12, VDV17]. Store
[BS12, Sta10]. stores [DFR13]. Story
[Ano14]. strategic [BMR14]. strategy
[PDP+16]. Stream [CWGA17, KBPS17,
MV16, BRWA14, SS+14, ZDK+19].
streaming [MRA+17, STCG13].
StreamJIT [BRWA14]. StreamQRE
[MRA+17]. streams [SGG+17, UFM15].
Strength [KCD12]. String
[HOKO14, CSK17]. Strings
[HWM11, HWM10, LSSD14]. strong
[UMP10, ZHCB15, ZBB17]. Structure
[ZLNHP18, LO15, PLL+18, UMP10].
structured [ABC18, LSWM16]. Structures
[GT10b, CDTM10, XMA+10]. studies
[EKUR10]. Studio [RT14, FH16].
Studio-Based [RT14]. Study
[BF18, KB11, LMZP19, OBPM17, RVT18,
RLMM15, WZK+19, ZMM+16, BRGG12,
CCFB15, CJ17, ECS15, JK11, KFBK+15,
MHN19, MHR+12, RCS10, OMK+10,
PTF+15, SSL18, SH12, TFPBI4, VBDM16,
WXR16, YW13]. studying [CJ19]. style
[UFM15]. substitute [PMPH15]. substrate
[GTL+10]. subtypes [HL13]. Subtyping
[LN15]. Suite [MSS19, SMSB11, BB12].
Suites [GGZ+15]. Summaries
[BH17, BA19]. Summarization
[MIM16, RLMM15]. Superblock [KS13].
Supercharged [Cec11, BB12].
Superposition [HD17]. supertype
[RRB17]. supervenience [Rez12]. Support
[ALB+19, CSGT17, KKK+17, KKK+18,
BVGEA13, Cha18, DVL13, GMC+13,
Hos12, NGB16, SN+12]. supported
[FMM+11]. Supporting [LVG10, EKUR10].
Surfaces [FBS17]. Surgical [RSB+14].
surprises [FMBH15]. Survey [AGM17,
OAC18, RVT18, BCvC+13, GD10].
SurveyMan [TB14]. surveys [TB14].
suspension [TWL12]. SV [CKS18].
SV-COMP [CKS18]. sweeping [KBL14].
Sweeten [DFHF15]. Swift [ZY+12].
SWIM [Sch10a]. symbol [Tar11].
Symbolic
[Bul18, CYWD19, NNTK17, NNT+19,
FMTPT12, SWM17, MPR+12, Rim12].
synchrobench [Gra15]. Synchronisation
[CHMY19, CHMY15, WBM+10].
synchronization [DHM+12, Gra15, Sub11].
Synchronized [BG17].
Synchronized-by-Default [BG17].
synchronizing [DTM+18]. Synchronous
[BVEAGA10, SK12, MvH15]. syntactic
[LE16, MJK+12, MJK+13, QBS17].
Syntax [SS13, KMMV14, SSK13].
synthesis [SR14a, STR16, SS16].
synthesizable [ABCR10]. synthesizer
[OYU+13]. Synthesizing
[GK15, SRJ15, LWH+10]. Synthetic
[PSJ18]. System [BO13, KCD12, MAHK16,
ACS+14, AYZI10, AGRI17, BDB11, ELW15,
HA13, HDM+11, HWLM11, KR12, MS10,
STY+14, TL11, NII+12]. systematic
[TD15]. Systems
[BG17, BSA14, BNE16, CCH11, DLPT14,
Fox17b, HTW14, JMB12, LM15, LMZP19,
MRF18, FNF+18, NWB+18, RTR+13,
SLES15, SLE+17, AT16, CJ19, DW10, FH16,
Fox17a, HDM17, HW+12, HTLC10,
LPGK14, LT17, MHR+12, MAH12,
MvH15, OIA+13, PLL+18, PDM12, PBB19,
PDP+16, RHT13, SDH+17, SSMD10,
SABB19, SH12, TTD12, TWX+10, THC+14,
UIY10, Vit14, YRBH13, VK12].
Tableau [FFF17]. Tagged [RKN+18].
Tailoring [LZ12]. Take [Kie10]. Taking
[SW+15]. Tales [Sew12]. talk
[Piz17, Sic17]. Taming [TL11, SC16].
Tardis [BM14]. target [Cle16]. Task
[RRB19, Fec16, TWL12, ZLB+13].
TaskLocalRandom [PMPH15]. Tasks
PMMH15, SPP

PPSG17, PWSG19, ST15, HAW13,
PPMH15, SPP\textsuperscript{+10}. Taurus [MAHK16].

Taxonomy [SS14]. Teaching

[GLGA19, HA13, SWF12, CHM13, ZDS14],
teasing [LBF12]. Technical [YXS\textsuperscript{+19}].
technique [SZZ\textsuperscript{+19}, SSK13], Techniques

[LMZP19, RD15, EV13, KS13].

Technologies [Fox17b, HTW14, VK12,
Fox17a, HTLC10, KFBK\textsuperscript{+15}, NL14, RHT13].
technology [NED\textsuperscript{+13}. TeJaS [LPGK14].

Template [MME14, HJS\textsuperscript{+10}], templates

[FOPZ14, AK13].

Terminating [FFF17], Termination

[BMOG12, RDCP12, BSOG12, SMP10].

Test [AGM\textsuperscript{+17}, BB12, BM18, GGZ\textsuperscript{+15},
LMZP19, MSS19, Pha18, Rim12, SPKT18,
ST15, MT13, PSNS14, SR14a, SKR17].

Test-driven [BM18]. tested [Mil13].

Testing [Ame13, BR12, Hia13, MM12,
MMP15, MMP\textsuperscript{+12}, CSS\textsuperscript{+16}, CNS13,
KPP\textsuperscript{+18}, Ler10, SABB19, Too12, TD15].

tests [AO11, NYCS12, SRJ15]. Textbooks

[BNP11]. their [RDP16]. theorem [SSH17].

There [Eqi11], thin [OD18, PPS16],
thin-air [PPS16]. things [McK16]. Think

[WR10]. Third [Aon15, FOPZ14, LVG10].
third-party [FOPZ14, LVG10]. THOR

[TWX\textsuperscript{+10}]. Thoth [KB17]. Thou [LCW18].

Thread [MGI14, BKC\textsuperscript{+13}, CRAJ10, MGI17,
PCL14, PG12, SS10, WLL19, YDF15].

Thread-Level [MGI14, MGI17], threaded

[DSEE13, JTO12, SE12, Taf13], threads

[UR15, WLL19], threat [BGS\textsuperscript{+13}], threats

[BGS\textsuperscript{+13}]. Three [ZMM\textsuperscript{+16}, Vit14]. Tier

[WKZ\textsuperscript{+19}]. TigerQuoll [BBP13]. Tim

[Teo13].

Time

[BVEAGVA10, BBB\textsuperscript{+17}, BLH12, DLR16,
Fox17b, HTW14, JMB12, Kie10, KW11,
PKPM19, Pan14, SLES15, SLE\textsuperscript{+17}, TN19,
VK12, BCR13, BM14, BVGVEA10,
BVGVEA11a, BVGVEA11b, BVGVEA13,
BVGV14a, BVGV14b, CRAJ10, DW10,
EABVGV14, Fox17a, GMC\textsuperscript{+13}, HTLC10,
KHM\textsuperscript{+11}, KPHV11, KHL\textsuperscript{+13}, KvGS\textsuperscript{+14},
KW10, KSR14, LMK16, LTK17, MGI17,
Nil12a, PS10b, PZM\textsuperscript{+10}, PWW11, Puf13,
RHT13, SP10a, SPPH10, Sie10, SPS17,
SH12, TTS\textsuperscript{+10}, WSH\textsuperscript{+19}, WAB\textsuperscript{+11}].

time-travel [BM14], time-triggered

[EABVGV14], timed [LKP19]. Times

[BKP16, DW10], timing [AGH\textsuperscript{+17}, LS11].

TIMP [SL5\textsuperscript{+12}, tiny [Xue12]. To-many

[SV18]. to-one [SV18]. Tolerance [RK19].
tolerant [PZM\textsuperscript{+10}]. Tool [FMM\textsuperscript{+11},
NBB18, PQD12, SW12, SSK13, ABFM12,
CRAT\textsuperscript{+12}, ETR12, KSR14, LS11, TWX\textsuperscript{+10}].

Tool-supported [FMM\textsuperscript{+11}]. toolchain

[KDPG18, SMN\textsuperscript{+18}]. Toolkit [FBG17].

Tools [Bro12, CSZ17, CS12, CKS18,
ABK\textsuperscript{+16}, KPP\textsuperscript{+18}, VBAM10b]. toolset

[KvGS\textsuperscript{+14}]. top

[RVP11, SGG\textsuperscript{+17}, ZMNY14]. top-

[SGG\textsuperscript{+17}]. top-down [ZMNY14]. Topics

[Hor11, Jen12]. topology [DDM11]. Toy

[DiP18b]. Trace

[HWM14, PiLCH11, SR14b, BBF\textsuperscript{+10},
HWM13, HWI\textsuperscript{+12}, IHWN12, WHIN11].

trace-based

[BBF\textsuperscript{+10}, HWM14, HWI\textsuperscript{+12}, IHWN12].

Traceability [CSK12]. tracer [CZ14].

Traces [WKG17, BA12, RGM13]. Tracing

[BP10, DLR14, DLR16, MAK19, MRF18,
MD15]. track [VSG17]. TrackEtching

[VSG17]. Tracking [OAC18, RLMM15,
SBC\textsuperscript{+12}, WLL19, KHL\textsuperscript{+13}, OOK\textsuperscript{+10}].

Tracks [RGM13]. tradeoff [UTO13].

Traffic [RXK\textsuperscript{+17}]. Trail [HSS13]. Train

[MSS16]. training [KMZN16]. trait

[BCD13, VM15]. traits [BDGS13, BD17].

Transactional

[URJ18, DVL13, FC11, ZHCB15].

Transactions [SdSG12, CHM16, DFR13].

transfer [BL15]. transformation

[AST\textsuperscript{+16}, PDDD17]. transformations

[AK13, MHM10, PMP\textsuperscript{+16}, TL17].

Transforming [dMRH12]. transitioning

[HWM14]. Translating [RFRS14].

Translation
[BO12, LSWM16, LXP18, TJLL18].
translators [UTO13]. translator
[YZYP16]. Translators [WWG+18].

Transmission
[PE11, BVGVEA11b, BJJK12].
transparent [BD11]. transpiler [STA18].
travel [BM14]. traversals [OD15]. Treble
[YMH19]. Tree
[Lvo12, HLO15, KMMV14, SSK13, YKA19]. trees
[RBV16]. Trends
[CC15, MSS10, SR17]. trie [SV17].
trie-based [SV17]. tries
[SV15a, SV15b, SV18]. triggered
[EABVGV14]. triggers [FGB+19]. TRINi
[PDP+16]. Trusted [TWNH12, BCF+14].
TUOFX [FBG17]. tuning
[AAB+16, BVGVEA11b, SKBL11]. Turf
[CH17]. Turing [Gri17]. Turn [HOSC16].

Tutorial
[JM14]. twirler [Guy14]. Two [Has12].
Type [BO13, CGJ+16, KSW+14, KATS12,
Le17, Loc18, RKN+18, SGD15, WT11,
ACS+14, AT16, BS13, CMS+12, CVG+17,
DL10, FH16, GBS14, HyG12, KML15,
KRR+14, KRH16, KvRHA14, KDPG18,
LPK14, LE16, MHR+12, SV18, SH12,
TLL11, Zha12, eBH11]. Type-Based
[SGD15]. type-dependent [LE16].
type-heterogeneous [SV18]. Type-Safe
[Lc18, KML15]. Typechecking
[KDPG18, CL17]. Typed [BO13, KKK+17,
MHL15, CMS+12, KRCH14, Le17, RDP16].
Types [BO13, RvB14, SPAK10, BDGS13,
CHJ12, DDM11, HH13, MME+10, YDFF15].
TypeScript [Cho14, FH16, RSF+15].
Typing
[FZ17, RSF+15, Sic17, SFR+14, TSD+12].
typr [OA17].

Ubiquitous [MCY+10]. UDP
[RR14]. ulfjack [ALB+19]. ulfjack/ryu [ALB+19].
ULS [FOP14]. ultimate [BL15]. UML
[CSF+16]. unbounded [LSSD14, RGB18].

uncertain [McK16]. Unchangeable
[RR19]. Understandable [MSM+16].

Understanding
[ABC18, FRM+15, MKTD17, NWB+18,
PCL14, QLBS17, Set13, TABS12,
VBM+16, LWB+15, NII+12b, OD18].
Undocumented [Alt+12, MHR+12]. Unified
[LM15]. uniform [AH10, Ue13]. Unifying
[Has12, MCK+12, MCK+13]. union [KT15].
uniprocessors [KPV+17]. Units [LLL13].

universe [DDM11]. Unix [PVB17].
Unobtrusive [MGS19]. Unpicking
[LB12]. Unrestricted [WWS13]. unsafe
[MMP+15]. unsound [AT16]. Updates
[YMH19, PKC+13]. Upper [SW12].

Unorsortable [SGG+17]. uptrees [HB13],
USA [Hol12, KP15]. usability
[FH16, MHR+12, WA19]. Usage
[OAC+18, RC17, PTF+15, QLBS17]. Use
[BGK17, Guy14, MPM+15, AMW15,
MKT+17, PBH13, Sch13]. use-case
[AMW15]. used [XR10]. useless
[RFC+17]. User [Liu14, MvdL12, RK+18,
SL+12, DAA13, FMS+11, PSN14].

user-defined [FMS+11]. User-guided
[RK+18]. Using
[ASdMG+14, BS12, BSA14, BNE16,
DL10, GLG19, HCN14, KFBK+15,
KH18, MV16, MSSK16, NBB18, Pan14,
PQD12, RC17, SDM12, SLE+17, UMP10,
Wan11, WKG17, WCG+18, XMA+14,
YC+12, Zai+18, BB17, Dan+18, DDDF17,
Del+13, FH16, FOPZ14, GBS14, Ivv16,
KML15, KT14, KC12, LYG10, Lew+13,
LD14, MT13, PIR17, PLR18, Ph18,
RK+18, RAS16, SAdB+16, SSK13, SSH17,
SHU16, SS19, VGS14, WLL19, WBM+10,
WR+10, X13, ZLNP18, vMvdMV12].

UT [Hol12]. utility [CSV15, XMA+10].

utilization [BCR13].

v [Sam12]. V8 [MGI+17]. Validating
[HLSP13]. Validation
[SSB14b, CSdL16, HCV17, SSB01]. Value
REFERENCES

yang [CBGM12]. years [BTR+13].
yieldpoint [LWB+15]. yin [CBGM12].

Z [SBF+10]. Z-rays [SBF+10]. Zero [ZW13].

References

Altman:2010:OTJ


Acar:2018:PCM


Accioly:2018:USS


Auerbach:2010:LJC


Avvenuti:2012:JTC


Abanades:2016:DAR

Miguel Abánades, Francisco Botana, Zoltán Kovács,
REFERENCES


**Ansaloni:2012:DAO**


**Akai:2010:EAS**


**Anjo:2016:DML**


**Ahn:2014:IJP**


**Aumuller:2016:OPD**


**Amighi:2016:PCC**

Afshin Amighi, Pedro de Carvalho Gomes, Dillion Gurov, and Marieke Huisman. Provably correct control flow graphs from Java bytecode programs with exceptions. In-
Autili:2013:HAR


Almeida:2019:GPD


Austin:2012:MFD


Arnold:2011:AOJ

REFERENCES

SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).


[AGR17] Paolo Arcaini, Angelo Gargantini, and Elvinia Riccobene. Rigorous development process of a safety-critical system: from ASM models to Java code. International Journal on Soft-


[Aigner:2011:STM]

[Aigner:2015:AJE]

[Andrysco:2016:PFP]

[Axelsen:2013:PTD]

[Adams:2019:URP]
[Ulf Adams, Stephan T. Lavavej, Alexander Bolz, Vinnie Falco, David Tolfay, Mitchell Blank, Jr.,


Anonymous:2012:AMJ


Anonymous:2013:FM


Anonymous:2014:RKS


Anonymous:2015:BRL


Anonymous:2018:BRS


Arslan:2011:JPM


Altidor:2014:RJG

John Altidor and Yannis Smaragdakis. Refactoring Java generics by inferring wildcards, in practice. *ACM SIGPLAN No-
REFERENCES

Adalid:2014:USA

Austin:2017:MFD

Akram:2018:WRG

Afek:2012:ISJ

Alshara:2016:MLO

Akram:2016:BPG
Shoaib Akram, Jennifer B. Sartor, Kenzo Van Craeynest, Wim Heirman, and Lieven Eeckhout. Boosting the priority of garbage: Scheduling collection on heterogeneous
REFERENCES


Amin:2016:JST


Ali:2010:DJB


Alon:2018:GPB


Lasse Berglund and Cyrille Artho. Method summaries for JPF. *ACM SIG-


REFERENCES


REFERENCES


[BDB11]


[BDGS13]


[BDT10]


[BF18]


REFERENCES


[BK13] Michael D. Bond, Milind Kulkarni, Man Cao, Minjia Zhang, Meisam Fathi Salmi, Swarnendu Biswas, Ari-

**Brooks:2016:CST**


**Bouillard:2015:UCF**


**Black:2018:NPJ**


**Bodden:2012:PEF**


**Barr:2014:TAT**


**Bouraqadi:2018:TDD**

REFERENCES


[BNP11] Jürgen Börstler, Marie Nordström, and James H.

**Baxter:2018:PAS**


**Burnim:2012:SCS**


**Bellia:2011:PJS**


**Bellia:2012:ERT**


**Bellia:2013:JST**


**Bruno:2017:NPG**


**Barabash:2010:TGC**

Katherine Barabash and Erez Petrank. Tracing garbage collection on highly


Bosboom:2014:SCC


Bedla:2012:SSJ


Balatsouras:2013:CHC


Bouktif:2014:PSO


Bastani:2018:ALP


Bonetta:2016:GSM


Brachthäuser:2018:EHM

Jonathan Immanuel Brachthäuser, Philipp Schuster, and Klaus

**Brockschmidt:2012:ADN**


**Bodden:2013:SLS**


**Bultan:2018:SCA**


**Basanta-Val:2010:SSS**


**Basanta-Val:2014:RMP**


**Basanta-Val:2014:SDG**

Pablo Basanta-Val and Marisol García-Valls. A simple distributed garbage collector for distributed real-time Java. *The Jour-


Ravi Chugh, David Herman, and Ranjit Jhala. Dependent types for JavaScript.
REFERENCES


Carro:2013:MDA


Chapman:2016:HSH


Cogumbreiro:2015:DDV


Chong:2014:CCT


Campbell:2013:ICC


Chen:2017:CLP

Boyuan Chen and Zhen Ming (Jack) Jiang. Char-

Chen:2019:ESL


Cordeiro:2018:BJV


Canino:2017:PAE


Clerc:2016:OJJ


Costa:2010:RMN

Castro:2017:JLC


Chang:2012:IOT


Celib:2019:DIA

Ahmet Celik, Pengyu Nie, Christopher J. Rossbach, and Milos Gligoric. Design, implementation, and application of GPU-based Java bytecode interpreters.


Choi:2013:GGT


Cliford:2014:AFB


Cliford:2015:MMD

REFERENCES


Matteo Ceccarello and Nastaran Shafei. Tools to generate and check consistency of model classes for

**Cordoba-Sanchez:2016:ADS**

**Chavez:2016:ACC**

**Choi:2017:SAS**

**Chawdhary:2017:PES**

**Chanda:2012:TBS**
REFERENCES


daCosta:2012:JSL


Dhawan:2012:EJT


DElia:2013:BLP


DeBeukelaer:2017:ECP


Dietl:2011:SOT


Deitcher:2010:JEJ

Deitcher:2011:SPJ


DelRa:2013:BRJ


Dennis:2018:MFI


Disney:2015:SYJ


Dey:2013:STA


deGouw:2015:OJU


DHondt:2012:ISS


DeFrancesco:2010:UAI


DeNicola:2014:FAA


Dissegna:2014:TCA


Dissegna:2014:FAA


Demange:2013:PBB


deMol:2012:GTJ


REFERENCES

David:2014:CMC


DosSantos:2010:MPB


Daloze:2018:PDL


Estevez-Ayres:2014:CSS


elBoustani:2011:ITE


Dias:2013:SIP


EABVG14


EABVG14


elBoustani:2011:ITE

Emeric:2012:CP


Ebert:2015:ESE


Erdweg:2012:GLE


Egbring:2010:POS

REFERENCES


**Eslamimehr:2014:RDS**


**Elmas:2010:GRA**


**Erdweg:2014:FEL**


**Eichelberger:2014:FRM**


**Endrullis:2012:WEM**


**Exposito:2015:LLJ**

REFERENCES

Expósito:2012:DSJ


Eugster:2013:SUP


Evans:2013:WGJ


Fetter:2017:TJT


Foley-Bourgon:2017:EIC


Fernandes:2011:LFS

Sérgio Miguel Fernandes and João Cachopo. Lock-free and scalable multiversion software transac-
REFERENCES


Fogus:2011:JC

Fischer:2016:EIE

Forth:2012:RAA

Fontaine:2012:VCF

Freudenberg:2015:SMP
Flanagan:2013:PES


Fan:2018:VCJ


Feldgentreff:2015:CBC


Feldthaus:2013:SAR


Feldthaus:2011:TSR


Frantzeskou:2011:SUD


REFERENCES


**Funés:2012:RMC**


**Feng:2015:EQD**


**Fritz:2017:TSA**


**Gherardi:2012:JVC**


**Gerakios:2013:FIS**


**Gerakios:2014:RTP**

Gama:2010:SAA

German:2012:MOS

Gupta:2018:HDB

Gupta:2019:CSJ

Golan-Gueta:2014:ASL

Golan-Gueta:2015:ASA


**Gonzalez:2013:HBP**


**Gadyatskaya:2012:JCA**


**Gardner:2012:TPL**


**Greenman:2014:GFB**


**Gupta:2016:LSA**


**Gong:2011:JSA**


**Grossschadl:2012:EJI**

Johann Großschädl, Dan Page, and Stefan Tillich. Efficient Java implementation

**Gramoli:2015:MTY**


**Grech:2011:JGE**


**Giacaman:2011:OOP**


**Gil:2012:SFJ**


**Gill:2015:RMD**


Lokesh Gidra, Gaël Thomas, Julien Sopena, and Marc

**Gunther:2014:ACC**


**Guo:2017:MJF**


**Guyer:2014:UJT**


**Gvero:2013:BRC**


**Gampe:2011:SMB**


**Grigore:2016:ARG**


**Garbervetsky:2011:QDM**

Diego Garbervetsky, Sergio Yovine, Victor Braberman, Martin Rouaux, and Alejandro Taboada.

**Hauswirth:2013:TJP**


**Hanenberg:2015:WDW**

Stefan Hanenberg. Why do we know so little about programming languages, and what would have happened if we had known more? *ACM SIGPLAN Notices*, 50(2):1, February 2015. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

**Hasbun:2012:UTP**


**Haverbeke:2011:EJM**


**Heumann:2013:TEM**


**Huang:2013:ECS**

Jipeng Huang and Michael D. Bond. Efficient context sensitivity for dynamic analyses via calling context up-trees and customized memory management. *ACM
REFERENCES


Hindle:2016:NS


Hedin:2016:IFS


Heidegger:2012:APC


Hsiao:2010:EST

Chun-Feng Hsiao and Chih-Ping Chu. Enhancing SCORM through creating a reusable Java class repository. Software—Practice and Experience, 40(10):865–881, September 2010. CO- DEN SPEXBL. ISSN 0038-0644 (print), 1097-024X (electronic).

Hughes-Croucher:2011:NRS


Horstmann:2013:CJF


Herrera:2018:NCW

David Herrera, Hanfeng Chen, Erick Lavoie, and Laurie Hendren. Numerical computing on the web: benchmarking for


REFERENCES


Hunt:2012:JP

Hellyer:2010:LCW

Heidenreich:2010:GST

Hlopk:2014:ISJ

Haddad:2013:SIP

Hague:2015:DRC

Herczeg:2013:TFF
[HLSK13] Zoltán Herczeg, Gábor Lóki, Tamás Szirbicz, and


REFERENCES


[HWI+12] Hiroshige Hayashizaki, Peng


[J+C10] Perry R. James and Patrice Chalin. Faster and more


Minseok Jeon, Sehun Jeong, Sungdeok Cha, and Hakjoo Oh. A machine-learning algorithm with disjunctive model for data-driven program analysis. *ACM Transactions on Programming
Jayaraman:2017:CVJ


Johari:2011:ESE


Jagtz:2013:ESM


Jung:2012:EJA


Jung:2014:HCO

REFERENCES

DEN ???. ISSN 1539-9087 (print), 1558-3465 (electronic).


Kumari:2011:AAO


Kunjir:2017:TA


Kim:2014:LBL


Kiselyov:2017:SFC


Kulkarni:2012:MCO


Krishnaveni:2012:HOJ

Kedia:2017:SFS


Kouzapas:2018:TPM


Kereki:2015:JAW


Kuehnhausen:2011:AJM


Kumar:2012:WSB


Khan:2015:UJW

Knoche:2018:UML


Kerschbaumer:2013:IFT


Kang:2017:PSR


Kalibera:2011:FRT


Kabanov:2011:DSF


Kienle:2010:ATT


Kienle:2013:BRE

Kim:2017:TAA


Krieger:2011:AES


Kaiser:2014:WAM


Kalibera:2014:FAS

REFERENCES


[KR12] Seonghoon Kang and Suky-


REFERENCES

Krebs:2014:JJB  
Krebs, Nico; Schmitz, Lothar  

Kroshko:2015:OPN  
Kroshko, Andrew; Spiteri, Raymond J.  
2015. odeToJava: a PSE for the numerical solution of IVPs.  

Kouneli:2012:MKD  
Kouneli, Aggeliki; Solomou, Georgia; Pierrakeas, Christos; Kameas, Achilles  
2012. Modeling the knowledge domain of the Java programming language as an ontology.  

Korsholm:2014:RTJ  
Korsholm, Stephan E.; Søndergaard, Hans; Ravn, Anders P.  

Kashyap:2014:TRS  
Kashyap, Vineeth; Sarracino, John; Wagner, Ben; Wiedermann, Ben; Hardekopf, John  
2014. Type refinement for static analysis of JavaScript.  

Keil:2014:EDA  
Keil, Matthias; Thiemann, Peter  
REFERENCES


REFERENCES

1340 (print), 1523-2867 (print), 1558-1160 (electronic). VEE '12 conference proceedings.

Lauinger:2018:TSD


Li:2014:MHD


Lorenzen:2016:STD


Leijen:2017:TDC


Lerner:2010:FTJ


Lewis:2013:IAP


Liu:2019:RIP

Bozhen Liu, Jeff Huang, and Lawrence Rauchwerger. Rethinking incremental and parallel pointer analysis. *ACM Transactions on Programming Languages and Systems*, 41 (1):6:1–6:??, March 2019. CODEN ATPSDT. ISSN
REFERENCES

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

Liu:2014:JNU


Liva:2019:SDE


Leino:2015:APS


Leung:2013:PEJ


Lin:2015:STU


Lee:2016:ECP

REFERENCES


REFERENCES

-tices, 50(10):675–694, October 2015. CODEN SIN-ODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).


REFERENCES

2867 (print), 1558-1160 (electronic). OOPSLA ’11 conference proceedings.

Li:2014:EAJ


Laskowski:2012:DJP


Luckow:2017:HTP


Li:2018:PGC


Liu:2014:FFL


Lerner:2010:SDT

Lin:2015:SGU


Luckcuck:2017:SCJ


Lee:2010:JSD


Lu:2019:PPY


Li:2018:ATJ


Lindholm:2013:JVMa


Lindholm:2013:JVMb


[LZ12] Lindholm:2014:JVM


[LZYP16] Liu:2018:JIO

REFERENCES

10.1007/s10664-011-9169-

[MAH16] Martin Maas, Krste Asanovic, Tim Harris, and John Kubi-
atowicz. Taurus: a holis-
tic language runtime sys-
tem for coordinating dis-
tributed managed-language
applications. Operating Sys-
tems Review, 50(2):457–
471, June 2016. CODEN
OSRED8. ISSN 0163-5980
(print), 1943-586X (elec-
tronic).

[MAK19] M. Maas, K. Asanovic, and J. Kubiatowicz. A
hardware accelerator for
tracing garbage collection.
IEEE Micro, 39(3):38–46,
May/June 2019. CODEN
IEMIDZ. ISSN 0272-1732
(print), 1937-4143 (elec-
tronic).

[MB12] Timothy J. McIntyre and
Alexis I. Bishop. Fringe —
a Java-based finite fringe
analysis package. Computer
Physics Communications,
183(9):2014–2018, Sep-
tember 2012. CODEN
CPHCBZ. ISSN 0010-4655
(print), 1879-2944 (elec-
tronic). URL http://
www.sciencedirect.com/
science/article/pii/S0010465512001506.

[MCW19] Alvaro Miyazawa, Ana Cava-
alcanti, and Andy Wellings.
SCJ-Circus: Specification
and refinement of safety-
critical Java programs. Sci-
cence of Computer Pro-
gramming, 181(??):140–176,


AQCUAEE. ISSN 1542-7730 (print), 1542-7749 (electronic).

Martinsen:2014:HTL


Martinsen:2017:CTL


Mehrabi:2019:PUP


Miller:2013:IPG


Matsakis:2015:TOJ


McGachey:2010:CJC

Mastrangelo:2019:CAD


Mayer:2012:ESI


Miller:2013:TSG


Malhotra:2017:PPS


Misra:2012:JSC


Misra:2013:JSC

Mazinanian:2017:UUL


Marek:2014:SRC


Martinez-Llario:2011:DJS


Mesbah:2017:REJ


Mesbah:2019:REJ


Madsen:2017:MRA

Mirshokraie:2012:JJA


McBurney:2016:ASC


Markstrum:2010:JDP


Martin:2014:TCR


Mirzaei:2012:TAA


Mirshokraie:2015:GMT

Morgan:2018: SJW


Mastrangelo:2015:UYO


Mercer:2012:CVI


Magazinius:2012:SWS


Mamouras:2017:SMS


Mace:2018:PTD


Meawad:2012:EBS

Fadi Meawad, Gregor Richards, Floréal Morandat, and Jan
REFERENCES


REFERENCES


Motika:2015:LWS


Mateos:2010:ANI


Nowicki:2018:MPI


Nasseri:2010:CMR

REFERENCES


apps with Google app engine by Adriaan de Jonge. 


REFERENCES

2010. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).


[Nguyen:2015:FCR] Khanh Nguyen, Kai Wang, Yingyi Bu, Lu Fang, Jian-
REFERENCES


Nguyen:2018:UCM


Naik:2012:AT


Omar:2017:PSF


Obaidellah:2018:SUE


Oaks:2014:JPD


Ocariza:2017:SCC

References


Odaira:2010:ERT


Olson:2018:CLM


Ottoni:2018:HJP


Ohkawa:2013:RHO


Olsson:2016:ERR


Oh:2015:MWA


Paul:2014:RTP

[Pau14] Anand Paul. Real-time power management for embedded M2M using intel-

**Pascarella:2019:CCC**

**Ponzanelli:2019:AIC**

**Parnin:2013:AUJ**

**Pinto:2014:UEB**

**Philips:2017:DDD**

**Panizo:2012:EJP**
Laura Panizo and María del Mar Gallardo. An extension of Java PathFinder for hybrid systems. *ACM SIGSOFT Software Engineering Notes*, 37(6):1–5,
Portillo-Dominguez:2016:ECP


Pano:2018:FAL


Phan:2018:TIG


Park:2011:DCM

REFERENCES

128

Park:2017:PSS


Pizlo:2017:JVM


Pukall:2013:JFR


Piao:2015:JJF


Park:2019:ROC


Parizek:2012:PAJ


Pan:2018:ASJ

Weifeng Pan, Bing Li, Jing Liu, Yuta Ma, and Bo Hu.


Michael T. Porter. js-emass: A flexible JavaScript im-
REFERENCES


Poslavsky:2019:REJ


Passerat-Palmbach:2015:TSS


Pham-Quang:2012:JAD


Piedrahita-Quintero:2017:JGA


Pour:2011:MBD


Pinto:2015:LSS


Pape:2014:EJV


Papadimitriou:2011:SES


Paletov:2018:ICA

REFERENCES

Puffitsch:2013:SIP


Pettrashko:2016:CGL


Powers:2017:BBG


Pina:2014:RDJ


Plumbridge:2013:BPR


Pan:2017:GCF


Pan:2019:GCF


REFERENCES


REFERENCES


Radoi:2014:TIC


Roemer:2018:HCU


Richards:2011:ACJ


Ricci:2013:ETP


Richards:2013:FAC


Radoi:2015:WAR


[RK19] Mohammad Roohitavaf and Sandeep Kulkarni. Automatic addition of fault-tolerance in presence of unchangeable environment ac-


REFERENCES

SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

**Rodeghero:2015:ETS**


**Rompf:2012:LMS**


**Ryu:2019:ATG**


**Rathje:2014:FMC**


**Rosa:2017:ARC**


**Rosa:2019:AOT**

REFERENCES


**Rubin:2014:HCW**


**Rowe:2014:STA**


**Ricci:2011:SAO**


**Raychev:2015:PPP**


**Raychev:2019:PPP**


**Ramos:2018:APS**

Rudafshani:2017:LDD


Ramamohanarao:2017:SSM


Ryu:2016:JFB


Spadini:2019:MOT


Serbanescu:2016:DPO


Samuelson:2012:LSO


Spoto:2019:SII

[SBE+19] Fausto Spoto, Elisa Burato, Michael D. Ernst,


Schmeisser:2013:MOE


Schildt:2014:JCRb


Sluanschi:2016:AAD


Sousa:2016:CHL


Sridharan:2012:CTP


Schoeberl:2017:SCJ

Shah:2012:AMJ


Sartor:2012:EMT


Stolee:2014:SSS


Staples:2019:SAB


Simao:2019:GWS


Serrano:2018:JA


Seth:2013:UJV


REFERENCES

147


[SK12] Zhe Shan and Akhil Kumar. Optimal adapter creation for process compo-


1523-2867 (print), 1558-1160 (electronic).

**Steele:2014:FSP**

**Snellenburg:2012:GJB**

**Shafiei:2012:MCL**

**Singh:2012:EPS**

**Santos:2018:JJV**

**Spoto:2010:TAJ**

**Storey:2019:SDP**
Kyle Storey, Eric Mercer, and Pavel Parizek. A sound dynamic partial order reduction engine for Java Pathfinder. *ACM SIGSOFT Software Engineer-
Sew:2012:NSI

Sew:2011:CCS

Stein:2019:SAD

Stork:2014:APB

Schoeberl:2010:NRT

Spoto:2010:MSL
Fausto Spoto and Étienne Payet. Magic-sets for localised analysis of Java bytecode. Higher-Order and
REFERENCES


Strom:2017:HLR


Stefanescu:2016:SBP


Samak:2014:MTS


Samak:2014:TDD


Sun:2017:AJP


Sawan:2018:RDC


Samak:2015:SRT

Malavika Samak, Murali Krishna Ramanathan, and Suresh Jagannathan. Synthesizing racy tests.
REFERENCES


Scanniello:2017:FFC


Sutherland:2010:CTC


Scheben:2012:VIF


Stefik:2013:EIP


Sor:2014:MLD


Surendran:2016:APP

REFERENCES


SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Singh:2013:TGC


Saini:2018:CNC


Sciampacone:2010:EMS


Stone:2015:WMT


Stark:2010:BIA


Sayed:2018:ITI

REFERENCES

Santos:2013:DDS

Stefanov:2010:JP

Samak:2016:DSF

Sun:2013:BJW

Schäfer:2012:CAN

Su:2014:RVP

Subramaniam:2011:PCJ
Venkat Subramaniam. Programming concurrency on the JVM: mastering synchronization, STM, and ac-

Sun:2018:RAR


Steindorfer:2015:CSM


Steindorfer:2015:OHA


Steindorfer:2017:TSP


Steindorfer:2018:MOA


Silva:2017:ICL


Sverdlove:2014:JVL

Harry Sverdlove. The Java vulnerability landscape.
REFERENCES


Siek:2012:FDT


Stancu:2015:SEH


Szweda:2012:ANB


Sharma:2017:VCS


Simon:2015:STH


Savrun-Yeniceri:2014:EHI

Gülfem Savrun-Yeniçeri, Wei Zhang, Huahan Zhang, Eric Seckler, Chen Li, Stefan Brunthaler, Per Larsen, and Michael Franz. Ef-

**Servetto:2010:MMC**


**Siegel:2011:AFV**


**Shen:2019:IRA**


**Tamayo:2012:UBD**


**Taf13**


**Tanyalcin:2018:LVL**

REFERENCES


[TD15]

[Tai13]

[Tar11]

[TB14]

[Teo12]

[Teo13]
Vasile G. Teodorovici. Book review: Learning JavaScript: a hands-on guide to the

[Teyton:2014:SLM]

[Tommasel:2017:SJL]

[Tu:2014:PPP]

[Tran-Jorgensen:2018:ATV]

[Thiessen:2017:CTP]
Rei Thiessen and Ondrej Lhoták. Context transformations for pointer analy-
REFERENCES

Tate:2011:TWJ  

Tetali:2013:MSA  

Tan:2017:EPP  
Tian Tan, Yue Li, and Jingling Xue. Efficient and precise points-to analysis: modeling the heap by merging equivalent automata. *ACM SIGPLAN Notices*, 52(6):278–291, June 2017. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Terra:2013:QCC  

Thakur:2019:PFP  

Toledo:2012:AJA  
REFERENCES

163


REFERENCES

Taboada:2011:DLC


Taboada:2012:FMS


Tatsubori:2010:EJT


Torlak:2010:MCA


Tardieu:2012:WSS


Toegl:2012:SSJ

REFERENCES

Titzer:2010:ICR


Teng:2010:TPA


Urma:2015:JAL


Ugawa:2010:IRB


Ugawa:2014:ROP


Upadhyaya:2010:UDS


Uva:2018:AWJ

[UPR+18] Marcelo Uva, Pablo Ponzio, Germán Regis, Nazareno

Upadhyay:2015:EML


[UR15]

Ugawa:2018:TSL


[URJ18]

Vilk:2014:DBB


[Vilk:2018:BAD]

Vilk:2014:DBB

John Vilk and Emery D. Berger. BLeak: automatically debugging memory leaks in web applications.

[Vilk:2014:DBB]

Vouillon:2014:BJJ


[Vouillon:2014:BJJ]

Urec:2013:MIS

REFERENCES


Villazon:2010:ARA

Villazon:2010:HCA

Vidal:2016:ECJ

Villazon:2011:CAW

Vidal:2016:UAE

Vidal:2018:ARB
REFERENCES


REFERENCES


REFERENCES

VanNieuwpoort:2010:SHL


Vechev:2010:PPC


Wijayarathna:2019:WJC


Wurthinger:2011:SAR


Walker:2012:SNJ


Wampler:2011:FPJ


REFERENCES


[Wang:2019:DEJ]


[Wagner:2011:CMM]


[Wilcox:2018:VVH]


[Wagner:2011:SJV]


[Wagner:2011:RTS]


[WGF11]


[WGF11]


Wang:2018:IDG


Wurthinger:2017:PPE


Wang:2017:CJ


Wei:2016:ESD


Wang:2019:OT

Wu:2018:EBJ


Xu:2019:EEG


Xi:2012:MDA


REFERENCES

177


[XR10] Xu:2010:DIU

[XR13] Xu:2013:PML

[Xue12] Xue:2012:RJC

[XXCL19] Xue:2019:ASC


**Yang:2013:CPP**


**Yoo:2014:WRR**


**Yang:2017:EJV**


**Yessenov:2017:DAD**


**Yim:2019:TFS**

Keun Soo Yim, Iliyan Malchev, Andrew Hsieh, and Dave Burke. Treble: Fast software updates by creating an equilibrium in an active software ecosystem of globally distributed stakeholders. *ACM Transactions on
REFERENCES


REFERENCES


Yue:2013:MSI


Yu:2018:NFN


[YW13]

Yan:2019:ACL


Zheng:2015:APP


Zakas:2010:HPJ


Zakhour:2012:JTS


Zakai:2018:FPW


ZBB15

Zheng:2015:APP

REFERENCES

Zhang:2017:ACE


Zhang:2015:SYB


Zeuch:2019:AES


Zschaler:2014: SJF


Zuo:2016:LOF


Zhao:2012:PTI


Zhang:2015:LOS

Minjia Zhang, Jipeng Huang, Man Cao, and Michael D.

Zhang:2012:RAJ


Zacharopoulos:2017:EMM


Zheng:2016:CMD


Zhao:2013:INT


Zhang:2014:AIO


Zeyda:2014:CMS

Frank Zeyda, Lalkhumsanga Lalkhumsanga, Ana Cavalcanti, and Andy Wellings. Circus models for safety-critical Java
REFERENCES

Zabolotnyi:2015:JCG

Zheng:2018:ADS

Zhang:2014:ARP

Zhou:2016:IRO

Zhang:2014:HTB

Zakkak:2014:JJM
Foivos S. Zakkak and Polyvios Pratikakis. JDMM: a Java memory model for non-cache-coherent memory architectures. ACM SIGPLAN Notices, 49(11):83–92, November 2014. CODEN SINODQ. ISSN 0362-
1340 (print), 1523-2867 (print), 1558-1160 (electronic).


