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


-core [PLL18]. -safety [SD16b].

/multi [Taf13]. /multi-threaded [Taf13].

'12 [Hol12]. 12th [Fox17a].
5 [KHR11].
6 [Jen12].
7 [Ano15, EV13, J12]. 75 [HWM11].
8 [BKP16, LYBB14, SAdB16, UFM15].
Abbreviated [SRTR17]. ABS [SAdB+16]. absence [AGH+17]. Abstract
[AGR12, BDT10, DLR16, KPP12, XMA+14, DLM10, DLR14, FSC+13, KMMV14, NSDD17, SSK13]. Abstraction
[BW12, Bro12, KY16, SKKR11, PL12, ZMG+14, ZFK+16]. Abstracts
[NYCS12, RFBJ14, UR15, SPP+10]. Accelerated [PQTGS17]. Accelerating
[KMZ16, ZLB14]. accelerator [OIA+13]. accelerators [PWA13]. Access
[CSGT17, HBT12, TT11, TNT12, BB17, KT14, MMH10, RHN+13, XHH12]. Accessibility
[STST12, VBMD16]. Acculock [XXZ13]. accuracy [MDHS10]. Accurate
[Jaf13, RBB17, ZBB15, XZ13]. ACDC [AHK+15]. ACDC-JS [AHKK+15]. across
[DD13, DFR13, HLSK13]. action [KB17, UFM15]. Actor [RCB17]. actors
[Sub11]. Ada [Car11, Sch10a, WCB16]. adaptable [ADI13]. adaptation
[VBAM10a]. Adapter [SK12]. Adaptive
[AFG+11, IHWN12, NFV15, RXK+17, CL17, PKO+15, PDP+16, VBAM10b]. add [DLM10]. adding [MZC10a].
addressing [GD10, VBMD16]. Adequate
[GGZ+15]. ADiJaC [SD16a]. Adoption
[PBMM13]. Adriaran [Ngo12]. Advanced
[Hor11, VBAM10a, djM18, Jen12]. Advances
[FHP+12]. Adversarial [FF10]. Aegis
[Nil12a]. AEminimum [SNS+14]. affects
[LO15]. affordable [BM14]. Agent
[AFGG11, PE11, RVP11, Den18]. Agent-Based [PE11]. agent-oriented
[RVP11]. aggregates [BRC11]. Agility
[Bro12]. Ahead [BLH12, JMB12, PKPM19]. Ahead-of-Time
[JMB12, PKPM19]. Aided
[KP15]. air [PPS16]. Ajax [MvDL12].
Ajax-Based [MvDL12]. algebraic [LCh17].
algebras [ItvS16, ZCdSOvdS15]. Algorithm
[YYC12, ZW13, MT13, Por18, Gun14]. Algorithmic
[FHP+12]. Algorithms
[GT10b, Gra15]. Aliasing
[NS12]. alike
[DAA13]. Allocation
[CPST14, CPST15, OOK+10]. allocation-site-based [CPST15]. Almost
[NWB+15, SC16], alternatives [SHU16]. Alting
[WB+10]. always [AJL16].
Analyses
[Kr12, HB13, KMZN16, PMP+16, ZMG+14]. Analysis
[AGM+17, CPV15, Hol12, KCD12, LHR19, MvDL12, NS12, RDCP12, SGD15, SW12, SDC+12, SLES15, SLE+17, SR17, ZKB+16, AM14, Bra14, CFH+13, DHS15, GYB+11, HCN14, HWLM11, KSW+14, KT14, KvG+14, KPP+18, LSRBV16, LSVB17, LT14, MTL15, MKZ+14, MCC17, MB12, NSDD17, NS13, PIR17, PLR18, Puf13, RLBV10, RPB17, SPP10b, SMSB11, SGBK13, SPM10b, TLX17, TWX+10, TLMM13, TL17, TPG15, ZMY14, ZWS15, CH17].
Analytics
[BBB+17, KB17, STCG13]. analyzer
[Fer13, GN16, SMP10].
Analyzing
[PLL+18, ZDK+19, BTR+13, PSNS14].
Android
[CNS13, MMP+12, STY+14, THC+14, ZHL+12, ZKB+16, vdMvdMV12]. Ann
[CSdL16]. annotated
[TJLL18]. annotation
[CV14, KATS12]. annotation-based
[KATS12]. annotations
[CSdL16, GBS14]. announcement
[SPAK10]. anomalies
[FRM+15]. answering
[KM10]. any
[FIF+15]. anytime
[STCC13]. anywhere
[STCC13]. AOP
[WAB+11]. AOT
[WKJ17]. Apache
[CJ17, FRM+15]. apart
[LF12]. API
[FIH16, MPM+15, TWH12, YKSL17].
APIs
[HBS16, RDP16, Sani12, SRB18, VM10]. app
[Ngo12, Sta10]. Apple
[Ano13]. Application
[BH12, CCA+12, KF11, KB11, LZ12, RDCP12, RLM15, SWF12, AYZI10, AAB+10, AO11, Del13, FRGPLF+12, HWLM11, LBF12, OUY+13, SE12, WAB+11, XHH12, HD17]. Application-Aware
[LZ12]. Application-Replay
[BH12].
Applications
[GMPS12, GD12, MAHK16, MvDL12, MMP15, NKH16, NWB+15, OwKPM15, SLES15, WBA+11, AMT17, AST+16, AC16, AMWW15, ADI13, ABFM12, DSEE13, BOF17, BBXC13, EABVGV14, GMC+13, HLO15, JH11, MTL15, MZC10a, MZC10b, PLR14, PKC+13, RHUD15, R+13, RVP11, RW17, Ryu16, Sch10b, SdB+16, SG12, SPP+10, TWX+10, WHIN11, XGD+19, vdmvdMV12]. applying [CMM17].

Approach
[BDT10, CSF+16, DLPT14, KKW14, STST12, ADI13, CHM13, CSKB12, Dm+12, HLO15, Hm17, J+12, MZC10a, MvH15, PWS11, RVP11, RO12, SNS+14]. approachable [WHV+13]. approaches [GD10, MD15, SS14]. approximate [CNS13]. Approximation [RvB14].

Approximations
[SS12]. apps [BM18, CNS13, MPM+12, Ngo12, Sta10].

Architectural
[CSGT17, KKK+17].

Architecture
[GMPS12, Wan11, AMWW15, Del13, Gon11].

Architectures
[KKK+17, RKN+18, ABCR10, Hos12, M10, ZF14]. arena [TRE+13]. arithmetic [TGZ17]. Arm

Aspect
[ABMV12, BH10, VBM10b, VBMA11, WBA+11]. Aspect-Oriented
[ABMV12, BH10, VBM10b, WBA+11].

Aspectizing
[TNTN12]. Aspect* [AC10]. aspects [LVG10]. Assertion [MM12].

Assertion-Based
[M12]. Asserational
[LL15]. assertions [VYY10]. Assessing
[GTSS11, VBZ+18, JACS10]. assessment [IS18]. assignment [KT15].

ASYNCHRONOUS
[KW11, SK12, WK12, FZ17, KW10, LML17]. atomic [WAB+11]. Atomicity
[GGRSY17, JLP+14, BHSB14, BNS12, GGRSY15, UMP10]. atomicos [PPS16].

ATTACK
[XHH12]. authorship [FMS+11].

AUTO TUNING
[SK11]. auto-tuning [SK11].

AUTOMATA
[TLX17, ZWZ+14]. Automated
[BH17, BSOG12, BMG12, SI14, RVE11, SDM12, TLJ18, UPR+18, AsdMG14, MRMV12, ZFK+16]. Automatic
[GGRSY14, GGRSY15, GGRSY17, IS18, KKKW11, MDS+17, MM16, PPD12, SZ11, SD16a, SJPS10, SS16, WM10, XMD+17, ABK+16, FM13, PG12]. automatically
[TB14]. Autonomic
[GMPS12]. average [DL14].

B
[DLZ+13]. back [Car11]. Background
[PWSG17, PWSG19]. Backstage
[PS11].

BAD
[dGRdB+15]. baggage [KFB+12]. balances [FMBH15]. balancing
[PDP+16]. Ball
[DD13]. Barrier
[CHMY19, CHMY15, VB14a]. barriers
[HIJ10, WBM10]. Based
[AFFG11, DLR16, GM12, GGG+15, GGC18, LTD+12, MvDL12, MM12, PTML11, PilCh11, PE11, RBL12, RT14, SG15, SLS+12, ST15, SWF12, AZY10, AST+16, ADI13, BBF+10, BBP13, BB17, CDTM10, CSKB12, CJ17, CPST14, CPST15, EKUR10, GT10a, GMC+13, HWM14, HWI+12, HOK10, HWLM11, HWN12, IRJ+12, JEC+12, JMO14, KATS12, KS13, KRCH14, KvRSA14, KS14, Lon10a, Lon10b, MCC17, MB12, MCB+10, PDPM+16, PSW11, SNS11, SBK13, SMP10, SPPY+16, SV17, SNS+14, UTY10, UPR+18, VSG17, XHH12, YP10, ZYZ+12].

BASIC
[BZ14]. basic-block [CZ14].

BATTERY
[Zak12]. basierte
[Ric14]. Battery
[ST15]. battlefield
[WT10].


block-level [KBL14]. blocking [DW10].

Blockly [AMWW15]. Blueshell [PWA13].

boilerplate [ZCdSOvdS15]. Book [Ano15, Bro12, Del13, Gve13, Kie13, Ngo12, Teo12, Teo13]. Boosting [ASV+16, AC16].


Bringing [CV14, HRS+17, STS+13]. Broken [dGRd+15]. Browser [MSK16, PVBl7, FIF+15, VS11, VB14a, WGG+11, YK14].

Browsers [HLSk13]. Browsix [PVBl7].


Building [Sta10, HWW+15, Ngo12]. Business [CCA+12]. Bytecode [BDT10, BSOG12, FHSR12, NS12, RDCP12, Rey13, AdCGGH16, CZ14, DLM10, SP10b, SMP10, VB14b].


Calls [SW12, SS16]. came [Car11]. can [TPG15]. capabilities [Ame13]. capability [RDF15].

capo [SMBS11]. capturing [BK+13].

Card [GMPS12, ABFM12, MLM19, dCMM12].

Cards [BH12, GMPS12]. care [EKUR10].

Caring [DAA13]. carry [Ame13].

Cartesian [SD16b]. Case [ZMM+16, dGRdB+15, AMWW15, HNTL12, JK11, MT13, SPPH10, Vit14].

Cassandra [FRM+15]. casts [SH12].

categorising [CMM17]. Catena [TD17].

Causes [OBPM17, FRM+15]. CAV [KP15].

Cay [Gve13]. CC [LSBV16, LSBV17]. CCA [FLZ+18, ZXL16]. Center [Hol12].

centric [DHM+12, FOPZ14]. CERT [LMS+12].


Changing [SSG+14]. channels [AGH+17, LS11]. characteristics [ABC18].

Characterizing [CJ17]. check [CS12, GvRN+11]. Checking [BNE16, CSF+16, Cho14, FSK12, JC10, JYKS12, ABFM12, BHS14, BNS12, CVG+17, DLM10, FLL+13, HMDE12, KATS12, KvRHA14, LT11, RR14, RAS16, RDF15, TVD10, VYY10].

checkpointing [SGV12]. checkpointing-enabled [SGV12].
Checks [FMBH15]. CHERI [CDG+17].
chip [PS10, Puf13, RS12, SPS17].
chip-multiprocessor [PS10].

Circles [ZLCW14].

Cloud [VDV17, GGC18, LZYP16, TLMM13].
Closing [ZLHD15]. Closures [BO11, BO12, BO13]. Cloud [VDV17, GGC18, LZYP16, TLMM13].
Cocoa [Sta10]. Code [BH17, BNE16, HC11, MM16, PKPM19, RVK15, RLM15, SRTR17, SVB+17, SV15a, SED14, AGR17, AK13, CCFB15, DRN14, FLZ+18, FH16, FMS+11, IS18, LVG10, M KK+12, MKK+13, NG13, OJ12, PMP+16, PWS11, RFRS14, RBV16, RVK19, RO12, SSK13, Tai13, UTO13, VSG17, W KJ17, WGF11, WBA+11, WAB+11, WWS13, ZHL+12, ZXL16, ZWSS15]. coding [LMS+12]. Coffin [Teo12]. coherent [ZP14].

compatible [DJB16, OIA+13]. compatible [ABCR10, Hor12]. Compilation [DLR16, PKPM19, CGJ+16, CMS+12, DLR14, FSC+13, IHWN12, JLP+14, JK13, JMO14, KS13, KHL+13, Lei17, MD15, MG17, ZBB15]. compiled [NED+13, RO12, TMVB13]. Compiler [JMB12, Loc18, NKH16, NWB+15, BFF+10, BRWA14, CIAD13, HWM14, IHWN12, KMLS15, KS14, KC12, LSW16, MDM17, Rub14, TTS+10, TWSC10, VB14b, ZYZ+12]. compiler-compiler [KS14].

compiler-runtime [TWSC10]. compilers [Hos12, LMK16, RSB+14]. Compiling [Fee16, Hos12]. complementation [BS13]. Complete [BO13, BR15, JC10, Sch14, Gri17, PS15, RGM13, RRB17].
D

[DiP18b, FLZ+18, GBC12, JEC+12, ZXL16].

DAA [DR10]. Data [Bra14, BMOG12, BA17, GM12, GTS+15, GT10b, NKH16, NWB+15, N WB+18, TAF+18, YWW+18, dMRH12, BK14, BB17, BOF17, BBXC13, BJBK12, CDTM10, CRP+10, DFR13, DHM+12, EKUR10, FOPZ14, KB17, LDL14, MRA+17, NL14, SADB+16, SSG+14, SGG+17, UMP10, W KJ17, WCG14, XXZ13, XMA+10, XGD+19, Z1vdS17]. data-centric [DHM+12, FOPZ14]. Data-Intensive [NWB+18]. Data-Parallel [NKH16, CRP+10]. database [Dei10, EKUR10, TABS12]. databases [EKUR10, MLGA11]. DataIntensive [Sev12b]. Data-Parallel [DRN14, RSI12, FOPZ14, MME+10].

Datalog [ZMG+14]. dataset [MDS+17].


December [LSBV17]. Deciding [SGD15].

decision [RBV16]. Declarative [DRN14, RSI12, FOPZ14, MME+10].

Decomposition [AGH+17, PLL+18].

deco nstructing [ACS+14]. decoupled [LPA13]. deduplication [HOKO14].

Default [BG17, SNS+14]. defects4j [MDS+17]. defined [FMS+11]. Definite [NS12]. Definition [SSB14b, AK13, SSB01].

Definitive [OAK14]. delegation [GBS13].

delimited [PDDD17]. DelphiJ [GBS13]. demand [FWDL15, ZHL+12].

demand-driven [FWDL15]. DemoMatch [YKSL17]. demonstrations [YKSL17].

Deoptimization [KRC14]. depend [LCW18]. dependability [GD10].

Dependence [PDDD17, JWC15].

Dependence-driven [PDDD17].

dependencies [BKC+13, WLL19].

dependencies [ElW15]. Dependent [CHJ12, LE16]. deploying [R+13].

deprecation [SRB18]. depth [Rau14].

Design [AC16, ETTD12, MLGA11, Pufl3, RTE+13, SW12, TRTD11, TKL+15, VGRS16, YCYC12, BBXC13, CSdL16, GSD+15, IRJ+12, Lon10a, Lon10b, OA17, SAdB+16, SMB11, VM10, Xue12].


Detection [BH10, BSOG12, KCD12, MS14, RD15, XMA+14, AMT17, CSK17, LMK16, LS11, ODL15, PG12, RDF15, RW17, SR14a, SR14b, SS14, WCG14, XXZ13, XR13].

detectors [LWH+10]. Determinacy [AM14]. deterministic [DNB+12, MvH15].

developer [EV13, Top11, ZK13].

Developers [Bro12, BMR14, DJB16, HH13, Wam11].

developing [R+13]. Development [ABK+16, AYII10, MT13, AGR17, BM18, FRGPLF+12, GT10a, PSW11, SKR17, SH12, WBA+11, ZDS14].

Device [TTD+11, XHH12]. Devices [GPT12, QJ+16, MV16, ETR+15, Xue12].


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Do [HH13, Han15]. Does [BRGG12, Rub14].

DOJ [hEYJD12]. DOM [GGC18].

DOM-Based [GGC18]. Domain [KSPK12, CSdL16, EEK+13, HWW+15, PIR17].

domain-specific
[CSdL16, EKE+13, HW+15]. dominance [CPST14]. Doppio [VB14a].
DoubleChecker [BHS14]. down [Ker15, ZMN14]. DRAM [OTR+18].
DRFX [MSM+16]. Dominance [CPST14].
Doppio [VB14a]. DoubleChecker [BHS14]. DRFX [MSM+16, SMN+12].
Driven [CCA+12, BM18, CHM13, FWDL15, MTL15, PDD17, SR+14b].
drug [EKUR10]. DSL [KAR12]. DSLs [KAR12, RO12, SC16]. DSU [PVH14].
Dual [AD16]. Dual-Pivot [AD16]. Dynamic [AGM+17, ABMV12, ASF17].
CHMY15, MvDL12, PTHH14, RDF15, XMA+14, ZKB+16, AF12, BDB11.
BK14, BCD13, BOF17, CSV15, CPST15, ELW15, GYB+11, HB13, KRCH14.
KRR+14, KT14, LW+10, LVG10, MKZ+14, Nil12b, NG12, NED+13, RLBV10.
RKR+14, RR14, SJPS10, SH12, TP15, VBAM10b, WXR16, WBA+11, WAW+11.
WWS13, WHH+17, ZBB15].
dynamic-memory [GYB+11, dynamically [CZ14, CMS+12, hEYJD12].
Dynamo [BDB11].

e-Science [SVG12]. ease [DRN14]. Easy [Jaf13, CRP+10].
economic [CSV15]. economics [SBJL10]. Edition [Ano15, Gve13, LYBB14].
editor [EKR+12]. Editorial [Fox17a]. Editorials [Fox17b, HTW14, RHT13].
EDSLs [RP16]. Educator [BA17]. EE [Jen12, MCC17].
Effect [JK11, CCFB15]. Effective [BMV14, PTML11, RD15, CSdL16, KPP+18, Kic13].
Effectively [UR15]. effects [FH16, HAW13, Lei17]. Efficiency [OTR+18].
Efficient [DV13, GPT12, HW11, HB13, KT14, KW10, OOK+10.
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VVJB10, XXZ+13, ZDK+19]. Efficiently [FBH17, BKC+13, FOPZ14].
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Elektronik-Projekte [Ric14]. Elephant [RGM13]. Elimination [RKN+18, GvR+11].
elision [NM10]. Elliptic [GPT12]. Eloquent [Hav11].
emass [Por18]. Embedded [Fox17b, HTW14, JMB12, KAR12, Pau14].
SLES15, SL+17, TKL+15, VK12, Dei10, Fox17a, GMC+13, HTLC10, KHR11.
LMK16, LTK17, OIA+13, RHT13, SC16, SDH+17, SRF+14, UIY10, Xue12, ZY+12].
FH16, HH13, KPP+18, MHR+12, NCS10, SH12, Tai13, VBD16, VBMD16].
Employing [CC15]. Emscripten [Zak18].
emulated [THC+14]. emulator [KS13].
Enabled [GPT12, DR10, ETR+15, RBL12, SVG12].
encapsulation [DDM11]. End [GM12, DAA13]. End-to-End [GM12].
end-user [DAA13]. Energy [OTR+18, CL17, PCL14]. energy-aware [CL17]. enforcement [IF16].
enforcing [JWMC15]. engine [MGI17, Ngo12, OUY+13, Tar11, Ngo12].
Engineering [CCA+12, GT10a, MLM19, VF10].
engineers [Bra14]. engines [KRH16, SSG+14]. enhanced [LMK16, WBA+11].
Enhancing [BD10, BVGVEA13, DSG12, HC10].
Ensuring [HD+11]. Enterprise [Ano14, AAB+10].
entities [ETR12]. Entry [BK12]. enumeration [SSH17].
Environment [Kö10, PTML11, EKR+12].
environments [EABV14, GTL+10, HOKO14, FIF11, RDP16, RCB17, SVG12].
equality [GRF11]. Equivalence [BO12].
equivalent [TLX17]. equivocation [TD17].
Escape [SLES15, SL+17]. Essential [Ngo12].
estimation [LMK16]. etched [VSG17].
Ethereum [Dan17]. eval [Mil13, MRMV12].
Evaluating [BGK17, BLH12, MDHS10].
Evaluation [CSZ17, GBC12, JMB12, OCFLI14, TTS⁺¹⁰, Wan11, CSK17, MRA⁺¹⁷, MD15, WWW⁺¹⁷, XGD⁺¹⁹].
Evaluator [JB12]. Event [KW11, MV16, BBP13, KW10, MTL15, WK12, YP10].
event-based [BBP13, YP10]. event-driven [MTL15]. EventBreak [PSNS14].
everyone [Hor15]. Evolution [CC15, GMP12, Me14, JK11, MAH12, NCS10, WBA⁺¹¹, WAB⁺¹¹, WWS13].
evolving [ZK13]. everyone [Hor12].
Examples [BN11, ECS15, HWM14, LT11].
Exceptionization [YKM17]. Exceptions [ASF17, AdCGG16, HDM17, SMN⁺¹², ZBB17].
Execution [NNTK17, OwKP15, SWMV17, JJJL17, JhEd11, LLL13, MPP⁺¹², RCB17, SPPH10].
evaluations [ASdMG14, PPS16, STR16].
executives [RS12]. Exemplar [ZW13].
exhaustive [DHS15]. exhibitionism [VB16].
existential [AT16]. Exogenous [BMSZ17].
Experience [ABMV12, OW16, Sch10a, CBLD12, TRE⁺¹³, WT10]. Experiment [BKP16, MDS⁺¹⁷, HWL11].
experimental [XGD⁺¹⁹]. explicit [NGB16]. exploit [Ano13]. Exploitation [SSMGD10, ML1M].
Exploiting [NKH16, QSS⁺¹⁶]. exploration [FWDL15]. explorative [AKH⁺¹⁵].
Exploratory [BKP16, ECS15].
EXPLORER [FWDL15]. Exploring [JK13, JWC15, SE12]. exposed [VB16].
Express [JQJ⁺¹⁶]. Expression [NS12, PR17]. expressions [GK15, MKTD17].
expressive [VYY10]. Extended [DDD17, FGR12, FLL⁺¹³, JC10, LMK16, PDP⁺¹⁶].
Extending [AC10, BVG11a, LPA13, PTHH14].
Extensible [ZvdS17, ER14, KMLS15, MHBO13].

Extension [RS12, LE16, MLGA11, PdMG12].
extensions [MPR12, Zha12]. Extensive [Wan11]. Extracting [CCA⁺¹², KM10].
Extremal [LTD⁺¹²]. Eye [RLMM15, Guy14]. Eye-Tracking [RLMM15].

F [GMT14, TTD12]. F-bounded [GMT14].
F-MPJ [TTD12]. FAA [Sch10a].
FACADE [NWB⁺¹⁵]. face [XHH12].
Facebook [Ano13]. Facets [AS17, AF12].
facilities [BVG11]. FAD.js [BB17].
Fast [CVG⁺¹⁷, CSGT17, HyG12, SBM14, SLF14, Zak18, BB17, KMM14, KCP⁺¹⁷, MDM17, MHBO13, SV15b]. Faster [BMDK15, JC10, AJL16]. fault [RBL12].
Faults [SRW17, KPP⁺¹⁸, ZZK13]. faults [CRAJ10]. family [KHM⁺¹¹, KvRHA14]. family-based [KvRHA14].
Feedback [NED⁺¹³, NG13, WM10]. Feedback-directed [NED⁺¹³, NG13, WM10]. fields [PQT17].
fine-grained [DRN14]. Fingerprints [MSK16]. Finite [BLH12, MB12]. Finite-State [BLH12].
Flexible [ES14, MSM⁺¹⁶, PCK⁺¹³]. RH⁺¹³, BCD13, KHR11, Por18, ZW10].
Flink [LTZ14]. Floating [Jaf13, AJL16].
Floating-Point [Jaf13, AJL16]. Flow [ASF17, FHS12, LMK16, S12, AdCGG16, AF12, ABF12, BK14, FWD15, HBS16, KHL⁺¹³, LSW16, PMTP12].
formalised [CWW13]. Format [YWW†18]. Forsaking [GBS13]. FORSETI [CSV15].
Forward [FOF14]. Foundation [CJ17]. Four [MSS10]. FPGA [OU†13].
fragmentation [PZX†10]. fragmentation-tolerant [PZX†10]. fragments [AA†17]. frames [SJPS10].
Framework [CCA†12, D18, FFF17, LM15, PWS17, PWS19, RBL12, A13, AC16, DDDF17, ER14, FRLP†12, JEC†12, KMLS15, Lon10a, Lon10b, MT13, PKO†15, RR14, STY†14, ZW10, ZDS14].
Frameworks [PPMH15, A13].
Free [DTLM14, FC11, G15, HHB†14, NFV15].
free-form [GK15]. free-lunch [DTLM14].
frequency [ZWSS15]. Frequent [RC†17].
Friendly [RBL12]. fringe [MB12, MB12].
Full [SRTR17, DRN14]. Full-Word [SRTR17]. Fully [FSC†13, PG12, ZFK†16].
Fundamentals [HC13, Teo13, Gve13].
Fusing [MS13, ETR12, WM10]. fusion [KBPS17]. future [SS16]. fuzzer [Guo17].
Game [MT14, Wan11]. Gap [PVB17, ZLHD15].
Garbage [ASV16, BH12, GTS†15, JCM19, QSaS†16, Sch13, SKBL11, UIR18, AGGZ10, BCR13, BP10, BVGV14b, BOF17, GTSS11, KPH11, KBL14, NGB16, PZX†10, PDPM†16, Puf13, SP10a, SMB14, Sie10, SJBL10, UIY10, UJR14, XGD†19].
General [CHMY19, CHMY15, EKUR10].
generalized [WT10]. generate [CS12].
generated [BM13]. Generating [HJS†10, RDP16, G11, KS14, MHB13, SSK13].
Generation [AGM†17, BH17, YWW†18, CRJ†10, PPMH15, PSNS14, Rim12, RO12, UMP10].
generations [BOF17]. generators [SLF14].
generic [DDM11, Fer13, HH13, ZPL†10, eBH11].
generics [AS14, Gri17, PBMH13]. Genetic [YCYC12, MT13]. Genotyping [YCYC12].
GeoGebra [ABK†16]. geosciences [MCY†10]. Geospatial [CH17].
German [Sch13]. get [Ame13]. Getaway [SLES15, SLE†17]. Gets [BH12]. getters [M13].
Getting [G14]. Giga [DHS15].
Giga-scale [DHS15]. glimpse [SP16].
Glottan [SLS†12]. go [LWB†15].
Goldilocks [EQT10]. Good [dGRdB†15].
Google [Ngo12, MGH17, Sam12]. GPGPU [PQTGS17]. GPGPU-accelerated [PQTGS17].
GPU [PKO†15]. GPUs [Hos12]. grade [CRJ†10].
Gradual [RSF†15, SFR†14, TSD†12, Sie17].
grained [DRN14]. grammars [GN16, SHU16].
granularity [CZ14].
Graph [dMRH12, BS13]. Graphical [SLS†12].
Graphics [Cec11, LLL13]. graphs [AdCGGH16, DSEE13, JWMC15, PULO16].
green [BRGG12]. Greenfoot [K10]. grid [SG12, WWB10, MZX10].
Gridifying [MZX10]. grounded [EV13].
Growing [EKR†12]. growth [LDL14]. guarantees [JWMC15, ZHCB15].
GUI [CMS13, VGS14, WBA†11].
GUI-awareness [VGS14].
Guide [Ame13, Oak14, Rau14, Teo13, Top11].
Guided [CMS13, DiP18b, MMP15, GY16, PSNS14, SSH17].
Guidelines [GGZ†15, HJSL13].
Handling
[KW11, ECS15, HWM14, KW10, WK12].

Hands [CSZ17, Teo13]. Hands-on [CSZ17, Teo13]. happens [TD15]. happened [Han15].

Hands [CSZ17, Teo13].

happens [TD15]. happens-before [TD15].

hard [LTK17, Puf13]. Hardware [SKKR11, SPS17, CBGM12, IN12, SE12, ZDK + 19].

hardwired [OUY + 13]. harness [Kie13].


Hera-JVM [MS10]. Herman [Kie13].

Heterogeneous [ASV + 16, HHH + 14, Rub14, AYZI10, ABCR10, DFR13, MS10].

Heterogeneous-race-free [HH + 14].

heuristics [LMK16]. Hidding [RBL12]. hierarchy [BS13]. High

[GS + 16, Hol12, IRJ + 12, MSM + 16, SWU + 15, UIRJ18, WN10, Zak10, BRWA14, Hos12, Ngo12, RFBJ14, TTD + 11, TGZ17, VWHB10, WWH + 17, TRE + 13]. high-dimensional [TGZ17]. high-level [Hos12, RFBJ14, VWHB10].

High-Performance

[URJ18, WN10, GS + 16, BRWA14, Ngo12, TTD + 11, WWH + 17]. higher [KT15].

higher-order [KT15]. highly [BP10, SPP + 10]. history [DRN14]. hit [Ano13]. Hoare [SD16b]. hole [Ano13].


HotSpot

Sch13, BOF17. HotWave [ABMV12, VBAM10b]. HPC [JQJ + 16].

HTM [CHM16]. HTML [Sta10].

HTML5 [HLO15, NKH16, Ano15]. Hunting [GFC18].

HVM [LTK17]. Hybrid

[CHM16, JQJ + 16, JMO14, KCD12, VDV17, ZMN14, ZMM + 16, ADI13, HyG12, PdMG12, SWB + 15]. Hybris [VDV17]. hygienic [DFHF15]. hypervisor [GMC + 13].

IaaS [ZLHD15]. identification


Identifying

[IN12, SVB + 17]. if [Han15]. illuminating [BK14]. Image [WN10]. immutability

[HMDE12, ZPL + 10]. immutable [SV15b]. impact

[CMS + 12, Gra15, HLW11, MPR12, WKJ17]. imperative [RFRS14]. implement [HdM17]. Implementation

[CSF + 16, GPT12, HM12, OA17, Por18, VGRS16, YP10]. implementations

[CSS + 16, OJ12]. Implementing

[FFF17, GM12, WCB16, EEE + 13, FHB17, PMP + 16]. implications [BRGG12]. implicit

[IVD16, SPAK10]. imply

[BRGG12].

Improve

[OTR + 18, QSaS + 16]. Improved

[KRR + 14, UIY10, OJ12, XHH12].

Improvement

[RC17]. Improving

[ACS + 14, HWT + 12, TWSC10, eBH11, UTO13]. in-depth [Ran14]. in-place

[DVL13]. including [Den18]. Incremental

[LHR19, DS16, ELW15, UIY10].

independent

[IF16, VS11]. industrial

[CRJ + 10]. inefficiently

[XR10]. inefficiently-used

[XR10].

Inference

[BO13, YHY13, AGGZ10, CGJ + 16, HyG12, HMDE12, Zha12]. inferring

[AS14, BENS12]. InfiniBand

[ETTD12, IRJ + 12]. infinite [ASdMG14].

Inflow

[ZMM + 16]. influence

[MHR + 12].

Informa [HA13]. Information

[ASF17, HBS16, KHL + 13, RKN + 18, SS12, AF12, ABFM12, BVGVEA11b, CMS + 12, PMTP12, RRB17]. Information-flow

[HBS16]. Infrastructure

[Den18, NG12].

Inheritance

[LN15, WT11, AST + 16, GBS13, NCS10].

Initial

[LTD + 12]. initialization

[AMT17, MME14]. Initialization

[FRG12].

Injecting

[ZZK13]. inline

[DJLP10].

Inlining

[BA12, HWM13]. insecure

[YW13]. Insight

[VF10]. instanceof

[SMS + 12]. Instant

[MHBO13]. instantiation

[AST + 16]. instead
[AGH+17, BTR+13]. instrumenting [CZ14]. Integrated [Tar11, YP10].
integrating [SPP+10]. integration [Ame13, HKVG14, Sch10a]. integrity [HDK+11]. intelligence [JACS10].
Intelligent [Pau14]. Intensive [NWB+18, SadB+16]. inter [CMM17].
Interface [Lin14, MvDL12, SLS+12, AYZI10, MT14, LT11, LT14]. Interfaces [WT11, Cho14, DLM10, LWH+10, PSNS14, WT10]. interference [YDF15].
International [Hol12, KP15, Fox17a]. Interoperability [GSS+18, GSS+16].
Interpretation [BDT10, DLR16, DLM10, DLR14, NSDD17].
Interpretation-Based [DLR16]. interpreter [D'H12, KMMV14].
interpreters [HWW+15, IvdS16, MD15, ZLBF14].
Introducing [Dan17, DMS11].
Introduction [BJBK12, CIAD13, CSZ17, HTLC10, HTW14, Lew13, RHT13, VK12, Hav11, VF10].
Isolation [ZLB+13]. Issue [DVL13, HL13, HTW14, Puf13, VK12, Fox17a, HTLC10, HGCA11, RHT13].
iterations [DD13]. iterators [ZLBF14].
IVE [CRJ+10]. IVPs [KS15].
[Bro12, Den18, Fox17a, Gve13, HWW11, HTW14, MVH15, NGO12, Sch13, VK12, AO11, KvGS+14, PQTGS17, SADB+16, ABC18, ASDGM+14, AST12, AFGG11, AYZI10, AS14, ABB+10, Alt12, Ame13, AdCGGH16, AT16, And14, Ano12, Ano13, ABMV12, AGR12, AGR17, ABCR10, AD13, AFB12, AK13, BK12, BH17, BMR14, BH12, BDT10, BVGVEA10, BVEAGVA10, BVGVEA11, BVGVEAGF11, BVGVEA11b, BVGVEA13, BVGVEA14a, BVGVEA14b, BS12, BMDK15, BO11, BO12, BO13, BCR11, BDGS13, BCD13, BD17, BRGG12, BvdS17, BR12, BH10, BR15, BB12, BN11, BW12, BA12, BZD17, BSOG12, BMGO12, BKP16, BA17, BJ12, CIAD13, CSZ17, CZ14, CMM17, CWW13, CV14, CS12, CDTM10, CCFB15, CC15, CRJ+10, CSF+16, CSK17, CCH11, CJ17, CD+17, CS16, CCA+12, CRAJ10, DJL10, DDD17, DLM10].
Java [DLZ+13, DVL13, DR10, DSH15, DJB16, DMS11, EES+13, ES14, EQT10, Esq11, EABVGV14, Eug13, EV13, ET1D12, ETR+15, FLZ+18, FRGPLF+12, FGR12, Fer13, FFF17, FLL+13, FHSR12, Fox17b, FMS+11, GIMS12, GrV+11, GYY+11, GM12, GBS14, GD12, GBC12, GS11, GS12, Gom11, GMC+13, GT10b, GJS+13, GJS+14, Grl17, GPT12, GKL15, HLS13, HD17, HD17, Has12, HWW10, HWW13, HWW14, HA13, HM12, HTLC10, HKVG14, HH13, HKOC14, HGCA11, Hor11, Hor12, HC13, HC10, HWW11, HH12, HWW12, IN12, IS18, IF16, J10, JEC+12, JQJ+16, JLL17, Jen12, JB12, JYKS12, JTO12, JH11, J+12, JMB12, JMO14, KHR11, KH+11, KMLS15, KS13, KW10, KW11, KPP+18, KM10, KSR14,
KSPK12, KDPG18, KS14, KF11, KB11, LSBV16, LSBV17, LTD+12, LMK16, LSWM16]. **Java** [LLL13, LT11, LT14, LZYP16, LYBB13a, LYBB13b, LYBB14, LZ12, Loc13, Loc18, Lon1a0, Lon1b0, LMS+12, LO15, LPA13, LWC17, LTK17, LS11, Lyo12, MKZ+14, MS13, MME+10, MLGA11, MDS+17, MCC17, MPM+15, MZC10b, MKTD17, MM16, MMH10, MAH12, MB12, MCY+10, MPR12, MLM19, MKK+12, MKK+13, MSS10, Mv1H15, MT14, MDHS10, NM10, NCS10, NS12, Nil12a, Nil12b, NG13, NNTK17, Oak14, OOK+10, OM+10, OA+13, OUY+13, OW16, OJ12, OCFLI14, PS11, PLL+18, PdMG12, PTML11, PMTL14, PTHH14, PL12, PiLCH11, PPMH15, PPM+16, PQD12, PVH14, PTF+15, PS10, PDP+16, Po19, PSW11, Pu13, PKC+13, QLS17, RD15, RDCP12, RTE+13, RTET15, RR14, RS12, RHT13, R+13, RBL12, RAS16, RSI12, Rey13, Rez12, RV11, RLM15, RB15, RvB14, SSL18, SSB+14a, SE12]. **Java** [SRB18, SRTR17, STST12, SS12, Sch14, Sch13, Sch10a, SPPH10, SKR11, SDH+17, Sch10b, SSMGD10, SZ10, Set13, SMSB11, SMS+12, SM12, SDM12, SWMV17, SW12, SVG12, SKBL11, SD16a, SJP10, SLS+12, SK17, SS14, SP10b, SMP10, SPP+10, SWB+15, SSB01, SSB14b, ST15, SPS17, SSG+14, STS+13, Sve14, SWF12, TRTD11, TTD+11, TTD12, TRE+13, TLI11, TXW+10, TFPB14, TNW12, TN12, TG17, TJL118, TKL+15, UR15, UF15, UP+18, VSG17, VGRS16, VBDPM16, VBM10, VBM10, VBM11, WGF11, Wam11, WZdSOS17, WLL19, WBM+10, WK12, WCB16, WN10, WRI+10, WHV+13, WH111, WBA+11, WAB11, WWS13, XHH12, XR13, XMD+17, Xue12, YP10, YKM17, YDF15, Zvd17, Zak12, ZP14, ZLCW14, ZHL+12, ZXL16, ZKB+16, ZWS15, ZPL+10, ZDS14, dCMMN12, dMHR12, eBH11, hED12, vdMvdMV12, De13]. **Java-Based** [AFGG11, SL5+12, ST15, SWF12, CJ17, HOKO14, JMO14, KS13, KS14, MB12, MCY+10]. **Java-compatible** [ABCR10]. **Java-like** [BDGS13, BCD13, DJL10, SZ10]. **Java-to-HDL** [OUY+13]. **Java-to-JavaScript** [LSWM16]. **Java.utils.Collection.sort** [dGRdB+15]. **Java/Java** [SRB18]. **Java/Scala** [SRB18]. **JavaCC** [GN16]. **JavaCOP** [MME+10]. **JavAdaptor** [PKC+13]. **JavaFX** [Top11]. **JavaGI** [WT10, WT11]. **JavaScript** [Ano15, Kie13, Teo13, CH17, AMT17, ACS+14, AKH+15, AGM+17, AMW15, BCF+14, BBP13, Cee11, CGJ+16, CVG+17, CBLFD12, Cho14, CHJ12, De11, De11, DeSG12, DiP18a, DiP18b, DFHF15, FMM+11, FM13, FH16, FBH17, FSC+13, FZ17, FOPZ14, GMS12, Guo17, Hy12, Hav11, HBS16, HLSK13, HSS13, HC11, KR12, KSW+14, KR16, KT14, Ker15, KFBK+15, Kie10, KBL14, KAR012, Kri12, LSWM16, Ler10, LYG10, LPGK14, Liu14, LML17, MTL15, MTL17, MPS12, MG17, MHL15, MRMV12, Mil13, MM12, MMP15, NKH16, NSDD17, OBPM17, PWS17, PWSG19, PLR14, PS15, PKM19, PDD+17, PKO+15, Por18, Rau14, RLVB10, RGEV11, RHN+13, RW17, Ryn16, SMN+18, Sev12a, Sev12b, SVB+17, SDC+12, Sta10, Ste10, SR17, SFR+14, TAF+18, TT11, VM15, VB14b, Wal12]. **JavaScript** [WX16, YW13, Zai18, Zai10, dJM18, BM18, KCD12, Me14, Kie13, Teo12, Teo13]. **JavaScriptCore** [Piz17]. **JaVerT** [SMN+18]. **JAWS** [PKO+15]. **JBInSTrace** [CZ14]. **JCloudScale** [ZL1D15]. **JCML** [dCMMN12]. **JCSI** [ABFM12]. **JCS** [EBF12]. **JDiffraction** [PQTS17]. **JDK** [SRB18]. **JDM** [ZP14]. **JEqualityGen** [GRF11]. **JET** [LT11]. **JGRIM** [MZC10a]. **Jinn** [LWH+10]. **JIT** [BB1F+10, BB17, CMS+12, HW14,
IHWN12, JK13, NED+13, RSB+14, WKLJ17, ZYZ+12. JIT-based [BB17]. JIts
[KRC14]. jMarkov [CRAT+12]. JML
[CRJ+10, TJL18]. JML-annotated
[TJLL18]. JNI [CDG+17], join [MZC10a].
Jonge [Ngo12]. Journey [Ryu16]. joy
JPF [WKG17]. JPR [WKG17]. jQuery
[AM14, PIR17]. JR [OW16]. JR-like
[OW16]. JRE [CZ14]. JS [AHK+15, Por18].
js-emass [Por18]. Js_of_ocaml [VB14b].
JSART [MM12]. JSetL [RB15]. JSON
[BB17]. JSormdb [Dei10]. JSP [Sch10b].
JTahWb [FFF17]. JTRES [HTW14].
JTRES2011 [RHT13]. JTRES2013
[Fox17b]. JTRES2014 [Fox17a]. judgment
[CSV15]. Juliet [BB12]. July
[Bro12, KP15]. jungle [Sew12]. Just
[DLR16, KHL+13, LMK16, MGI17, TTS+10].
Just-in-Time
[DLR16, KHL+13, LMK16, MGI17, TTS+10].
JVM [AC16, AFG+11, CSS+16, Guy14,
MS10, PVH14, R+13, RRB17, SV15b, Sub11,
WKG17]. JVMs [BK14, ZYZ+12].

K-Java [BR15]. kernel [HDK+11]. Key
[BBB+17, DFR13, JB12]. key-value
[DFR13]. keynote [Mck16]. Kirk [Del13].
KiWi [BBB+17]. KJS [PSR15].
Knorenschild [Del13]. knot [LBF12].
know [DJB16, Gra15, Han15]. Knowledge
[SPK12, UMP10]. known [Han15].
Kraken [Ano14].

Lake [Hol12]. lambda [MKTD17].
lambdas [UFM15]. landscape [Sve14].
Language [DLPT14, GJS+13, GJS+14,
GSS+18, JC10, KSPK12, MAHK16, Sev12b,
SS13, ABCR10, CMM17, CsdL16, DAA13,
EKR+12, Fee16, GSS+16, Hos12, HWW+15,
KRCH14, LWH+10, LE16, MDM17, SC16,
SZ10, SKR17, SNS+14, VB14a, WCG14,
WWH+17, ZWSS15, dCMMN12].
language-level [WCG14]. Languages
[CSGT17, MSM+16, PTHH14, YKM17,
AGGZ10, BCD13, CMS+12, EEEK+13, ER14,
FMBH15, Han15, HBT12, HJS+10,
KRR+14, MSM+10, NED+13, PULO16,
SPY+16, Zha12]. LARD [WCG14]. Large
[BA17, AST+16, CCsB15, LSdB16, LSdB17,
MS+17, MCI+10, PTF+15, WH111].
Large-Scale [BA17, MDS+17, MCI+10,
PTF+15, WH111]. Larsus [DD13].
Latency [MV16, ETR+15, JH11]. lawn
[CH17]. laws [DMS11]. Layer
[OTR+18, SKKR11, Den18]. layered
[RBC+14]. lazy [TD15]. Leading [SS10].
learn [SS14, XR13]. Leaks [And14, RW17].
LeakSpot [RW17]. lean [BRG12, SV15b].
Learn [RT14]. Learning
[Pan14, RT14, CNS13, KC12, Ano15, Teo13].
learnt [GY16]. Legacy [SBV+17, CDM10].
Legally [Sam12]. length [SM10]. Less
[BNE16]. Lessons [UR18]. Level
[AC16, SWU+15, EKUR10, Hos12, IHWN12,
KBL14, LWC17, MG17, RFB14, TTD+11,
VVJ10, WCG14]. Lexical [GN16].
Lexicon [TA+18]. Libraries
[BR12, RDC12, RvDvS17, Ch14, EKR+12,
PMTL14, PLR18, TTD+11]. Library
[CH17, OCFLI14, TAF+18, WNL0, dJM18,
CMM17, PMP+16, PQTGS17, Pos19,
TFPB14, TGZ17]. License [GD12]. Life
[Esq11]. LIFT [BTR+13]. Light [MV15].
Light-weight [MV15]. Lightweight
[BW12, KBL14, KKK+17, RO12]. like
[BDGS13, BCD13, DJLP10, PMTL14, SZ10,
VGS14, OW16]. Lime [ABCR10]. line
[SV17]. linearizability [LTZ14]. lines
[BTR+13, KAT12]. linguistic [UR15].
Linux [Ric14]. Linux-basierte [Ric14].
Listener [JH11]. little [Han15]. liveness
[DL14]. load [PDP+16]. loaders [SM12].
loading [WGF11]. local [DD17].
localised [SP10b]. locality [JJH10, OJ12].
localized [ZZK13]. location [NC10].
Locators [SD12]. Lock
[FC11, NM10, NVF15, UMP10]. Lock-free
Locking [GGRSY17, JTO12, GGRSY14, GGRSY15].
Locks [SPS17].
logic [GMS12, SD16b].
Loops [SPS17].
Logic [CJ17].
loop [DD13, HWI+12, PLR18].
Low [ETR+15, GM12, SWU+15, WCG14, ZHCB15, ZFK+16, BCR13, XMA+10].
Low-Budget [GM12].
Low-latency [ETR+15].
Low-level [WCG14].
Low-overhead [ZHCB15, ZFK+16].
Low-utility [XMA+10].
Low-level [WCG14].
low-utility [XMA+10].
lunch [DTLM14].
m [MZC10b].
m-JGRIM [MZC10b].
M2M [Pau14].
Machine [LYBB14, Amel13, CBLFD12, KS13, KC12, Piz17, SSMGD10, WGF11, WHV+13, BZD17, LYBB13a, LYBB13b, LTK17, PTHH14, SB+14a, Sch13, Set13, SSMB11, SVG12, SSB10, SSB14b, UR15].
Machines [AGR12, GTS+15, JK13, KRCH14, NK10].
macros [DFHF15].
Magic [SP10b].
Magic-sets [SP10b].
Magnitude [BNE16].
major [Ano12].
Making [Loc13, Sta10, PS11].
malformed [SHU16].
Malicious [KCD12].
malleable [MZC10a].
malware [CSK17].
Managed [MAHK16, NBW+18, BM14, CBGM12, GTL+10, ZvdS17].
Managed-Language [MAHK16].
Management [OTR+18, Pau14, AHK+15, BVGV14a, BGS+13, EKUR10, HB13, KCP+17, KB17, Nil12b, PCL14, SWB+15, Tar11, WGW+11].
manipulating [YS10].
Manipulation [MS14].
manual [KCP+17, KPP+18].
manv [GTSS11].
Map [BBB+17].
mapped [SV15b].
Mapping [LTD+12, UR15].
MapReduce [LYYP16, RFRS14, SKBL11].
maps [NFV15].
mashup [ETR12].
Masses [BSMV18, IvdS16].
Massive [BSMV18].
mastering [Sub11].
Math.Js [dJM18].
Mathematical [BW12].
Mathematics [dJM18].
MATLAB [Alt12, FBH17, PMTL14, VF10, Has12].
MATLAB-like [PMTL14].
matrix [HD17, TGZ17].
matters [DJB16].
Maxine [WHV+13].
MCAPL [Den18].
me [LCW18, GM12, XHH12].
ME-Based [GM12].
mean [Rub14].
measurement [YW13].
measuring [DW10, DTLM14, Gra15, JH11].
mechanical [ZZK13].
mechanised [BCF+14].
Mechanising [Loc18].
Media [Bro12].
meets [KHL+13].
Memento [CPST15].
memoization [TPG15].
Memory [BG17, JYKS12, MSM+16, NBW+18, OTR+18, SS14, ST15, AHK+11, AHK+15, AGGZ10, BSMB16, CWW13, DLZ+13, DVL13, FC11, FF10, GYB+11, HB13, KHL+17, KCP+17, KB17, Loc13, MSM+10, Nil12b, OMK+10, RW17, SMN+12, SWB+15, SV15a, Tar11, TVD10, WGW+11, XR13, ZP14, ZHCB15, ZBB17].
MemSAT [TVD10].
merge [ABC18].
Mergesort [LL15].
moving [TLX17].
Message [KF11, ETTD12, TRTD11, TTD12, UR15].
messsage-passing [ETTD12, TRTD11, TTD12, UR15].
messages [eBH11].
meta [MD15, SZ10].
meta-circular [SZ10].
meta-compilation [MD15].
metadata [DVL13].
MetaFJig [SZ10].
metaheuristics [DDDF17].
metaparallelisation [PS11].
Method [AC16, BVGVEAFG11, GD12, AST12, AJL16, HMEDE12, SS16, VBMDP16].
Method-Level [AC16].
Methods [MM16, Pau14, VBZ+18, Bra14, GRF11, LSBV16, LSBV17, SSL18].
Metrics [KB11, JK11, SSK13, Sch13].
Metriken [Sch13].
Microscopic [RXK+17].
Microsoft [Ano13].
Middleware [RTE+13, HOKO14, HWLM11, MZC10b].
middleweight [IF16, MT14].
midstream [SSG+14].
Migrating [AST+16, CDTM10].
Migration [OwKPM15, Fee16].
migrations [TFPB14].
Minboxing [UTO13].
minimal

non-intrusively [MZC10a]. Non-Java
[YSO12, OMK+10]. Non-termination
[BSOG12]. Nonblocking [RTET15, SP10a].
Nondeterministic [RB15, BENS12], noninterference [IF16],
Nopol [XMD+17].
NoSQL [DFR13]. Notation [Sev12a].
Novel [NK10, MZC10b]. November
[Hol12]. Novice [BA17]. Novices [RT14].
null [AT16]. NullPointerExceptions
[BSOG12]. NUMA [GTS+15]. NumaGiC
[GTS+15]. number [PPMH15, SLF14].
Numbers [Jaf13, AJL16, Wal12].
Obfuscated [KCD12]. obfuscation
[CCFB15]. obfuscations [SK17]. Object
[CSGT17, GS11, KB12, LZW12, NBW+15,
PTHH14, PiLC11, RC17, Sev12a, SW12,
AST+16, BDZ17, DDF17, FMBH15,
Ivds16, MME14, MHB013, RDF15, UJR14,
VM10, WM10, ZCdSolv15, Zha12, ZDS14,
hEYJD12]. Object-Bounded [NBW+15].
object-constraint [FMBH15].
Object-Oriented [GS11, KB11, RC17,
PTHH14, AST+16, DDF17, MHB013,
VM10, ZDS14, hEYJD12]. Objective
[Sta01]. Objective-C [Sta01]. Objects
[BS12, RKN+18, MHL15, SK13, WXR16,
BVGVEA10]. Observations [ABB+10].
Octet [BKC+13]. odeToJava [SK15].
offloading [ZHL+12]. on-demand
[ZHL+12]. On-the-fly [URJ18, UJR14].
ones [AST+16]. Online
[NG13, GGC18, HCV17, NK10]. only
[NM10]. Ontology [KSPK12]. OoOJava
[JhED11]. Open [BSA14, GD12, ABC18,
CJ17, EKUR10, JK11, Tai13, VGRS16].
Open-Source [BSA14, ABC18, Tai13].
OpenJDK [CHM16, dGRdB+15].
OpenMP [VGS14]. OpenMP-like
[VGS14]. operating [HDK+11]. operation
[KKW11]. operations [TABS12, TGD17].
Operator [PQD12]. opportunities
[TPG15]. Optimal
[AD16, JCM19, SK12, ELW15]. optimale
[Sch13]. optimally [BGS+13].
optimisation [PPS16]. optimistic
[SGF11]. Optimization
[LTD+12, YKM17, AFG+11, BDB11,
DDF17, JO14, SK13, KC12, NG12].
Optimizations [DR10, BB17, CST15,
DS16, NG13, SAdB+16]. Optimized
[PKPM19]. Optimizing [SV15b, YRHBL13,
HWW+15, KHR16, MD15, ZLB14].
optional [CMS+12]. Oracle
[LMS+12, Sam12]. ORB [OY+13]. Order
[SG15, JhED11, KT15, TD15]. ordering
[KC12]. Orders [BNE16]. ordinary
[MZC10a]. O’Reilly [Ano15, Bro12].
Oriented [AMV12, BH10, GS11, KB11,
RC17, AST+16, DDF17, EABVGV14,
MHB013, PTHH14, RVP11, VM10,
VBAM10b, WBA+11, ZDS14, hEYJD12].
OSck [HDK+11]. osgi
[BVGEVA13, GD10, DdL13]. OSS
[ZMM+16]. other [EKUR10, KS13].
out-of-order [JhED11]. output [KM10].
Over-exposed [VBDPM16]. overhead
[BCR13, ZHCB15, ZFK+16]. overlay
[CDT10]. Overloading [PQD12].
overview [Nil12b]. own [MPM+15].
Ownership [ZPL+10, BGS13, DDM11].
PaaS [ZLHD15]. Package
[SLS+12, CRAT+12, MB12, OW16, AK13].
Packages [PiLC11]. panic [Ano12].
Paper [DDF17, PDPM+16, SV15a].
Papers [DVL13, HL13, LMK16, Puf13].
Parallel [DS16, Esq11, LLL13, LHR19,
MKG+17, NIH16, QSaS+16, RD15, RSI12,
BP10, BBP13, BSBM16, CRP+10, NG12,
NG13, PPMH15, Si10, SZ11, TTD12, Ta13,
VYY10, BK16, WN10]. Parallelisation
[GS11]. Parallelism
[NKH16, BENS12, HHSS13, MZC10a,
RHSD15, TWL12, ZLB+13].
parallelization [SS16, YRHBL13].
[BMDK15]. Processing [LLL13, WN10, SBK13, SSG±14, UJR14, ZDK±19].

Processor
[TKL±15, Puf13, SPPH10, SMN±12].

Processors
[ASV±16, MKG±17].

processors [DAA13].

product [BTR±13, KATS12, KvRHA14, SV17].

product-based [KvRHA14].

production [RGM13].

professionals [JACS10].

product [BTR±13, KATS12, KvRHA14, SV17].

product-based [KvRHA14].

production [RGM13].

professionals [JACS10].

Program
[BGK17, KKW14, RVK15, RT14, ZKB±16, AÖ11, DS16, GMS12, HCN14, JLL17, JWM15, KM10, KMH16, MKZ±14, NS13, RVK19, Sch10a, SPY±16, Ta13, TABS12, UPR±18, WGF11, ZMG±14].

Programmable [OA17, AYZ10].

Programmers [Esq11, RLMM15, Rau14].

Programming [AFGG11, ABMV12, BCR11, Bro12, BA17, DLPT14, HWM11, HGCA11, Kö10, KS1K12, LM15, Mck16, PTML11, RSI12, RB15, SS13, Sub11, AIt12, AMWW15, BcVC±13, BMR14, BSN16, BRWA14, CL17, ECG12, EV13, FMB15, Han15, HA13, Hav11, Lew13, MSM±10, MvH15, OW16, PT±15, RFP11, RBF14, SNS±14, SGG±17, TBI14, UF1M5, VWJB10, VBA10b, Wam11, WRI±10, WBA±11, ZWSS15].

Programs
[AGR12, BH17, BR12, BMOG12, GS11, JB12, LTD±12, STST12, SS12, SDM12, SR17, XMD±17, ZLCW14, ASDMG14, AdCGG16, BA12, BNS12, DJLP10, ECS15, ES14, EP14, Fer13, HL13, IN12, LO15, LPA13, MRMV12, NG12, OJ12, PL12, RR14, RAS16, RLVB10, SMS±12, SZ11, SIPS10, SHU16, Ta13, YS10, dCMMN12, hEYJD12].

progress [Sie17, ZHCB15].

Project
[Wan11].

Projects
[ZMM±16, ABC18, CJ17].

Projekte [Ric14].

Prolog [CMM17, Tar11].

promises [MLT17]. promising [KHL±17].

Proof
[LL15].

Proofs [BMGG12].

propagation [TvdS16, PQTG17].

Properties
[BQ11, RVK15, SS12, FWDL15, RVK19, SD16b, YS10].

Protecting [MPS12].

Programs
[AGR12, BH17, BR12, BMOG12, GS11, JB12, LTD±12, STST12, SS12, SDM12, SR17, XMD±17, ZLCW14, ASDMG14, AdCGG16, BA12, BNS12, DJLP10, ECS15, ES14, EP14, Fer13, HL13, IN12, LO15, LPA13, MRMV12, NG12, OJ12, PL12, RR14, RAS16, RLVB10, SMS±12, SZ11, SIPS10, SHU16, Ta13, YS10, dCMMN12, hEYJD12].
BVGV14b, BVGV14a, BVGV11b, BVGV14b, CRAJ10, DW10, EABVG14, Fox17a, GMC+13, HTLC10, KHM+11, 
KPHV11, KvGS+14, KW10, KPP+18, 
KR14, LTK17, MDS+17, PS10, PZM+10, 
PSW11, Puf13, RHT13, SP10a, Sire10, SPS17. 

Real-Time 
[BVEA10, BB+17, Fox17b, HT14, 
KW11, Pau14, SLE15, SLE+17, V12, 
Nil12a, BCR13, BVG10, BVG11a, 
BVG11b, BVG13, BVG14a, 
BVG14b, CRAJ10, DW10, EAVG14, 
Fox17a, GMC+13, HTLC10, KHM+11, 
KPHV11, KvGS+14, KW10, KPP+18, 
KR14, LTK17, MDS+17, PS10, PZM+10, 
PSW11, Puf13, RHT13, SP10a, Sire10, SPS17]. 

Real-time [Ouy+13]. 

Reasoning [LN15, AB+16, MLT17]. 

Recaf [Blvd17]. recipes [J+12]. 

recompilation [NED+13]. Reconfigurable 
[Ouy+13, STY+14, OIA+13]. 

reconstruction [LSW16]. Recovering 
[CRAJ10]. Reducing [MV16, WH11]. 

Reduction [BO12, TD15]. redundant 
[HLO15]. Refactoring [AS14, STST12, 
VB+18, ZHL+12, FM+11, FM13]. 

Reference [Sch14, UJR14, HMDE12]. 
refinement [GY16, JLP+14, KSW+14, 
ZMG+14, ZFK+16]. Reflexes [SP+10]. 
regions [AC10]. register [ZY+12]. 

register-based [ZY+12]. Regression 
[MJ12]. regular [PR17]. reification 
[RR17]. Reified [GBS14]. Reim 
[HMDE12]. Reinf [HMDE12]. 
relation [TD15]. relational [ML11]. 
relationship [LSB16, LSB17, SH12]. 
relaxed [DNB+12, KHL+17, PPS16]. 

relaxed-memory [KHL+17]. Release 
[Ano14]. reliability [HLM11]. relying 
[IN12]. Remodularizing [OJ12]. Remote 
[BVG10, BVG14a, BJ12, GSD+15, 
BVG14b, BVG14c]. removal 
[MRV12, WGF11]. removing [PLR14]. 

rename [FM13]. Repair 
[XMD+17, MDS+17, SHU16]. repeatability 
[Vit14]. replacement [BCD13]. Replay 
[BH12]. Replying [WKG17]. replication 
[CJ17, UIY10]. replication-based [UIY10]. 
report [CBLFD12, Sch10a]. Reports 
[Ou16]. repository [HC10]. 
reproducibility [Vit14]. reproduction 
[SR14b]. requirements [AGZ10]. 

ResAna [KvGS+14]. Research 
[SR17, TRE+13, CRJ+10, CBLFD12, 
EKUR10, Rub14, BM16, Vit14]. 

Resource [BVG14a, ADI13, ES14, 
KvGS+14, KSR14, SGV12]. 

resource-aware [SGV12]. resource-based 
[ADI13]. responsive [SP+10]. 

responsiveness [PSNS14]. restart [CNS13]. 
Restructuring [RC17]. Retention 
[ZMM+16]. Rethinking 
[LHR15, Xue12, RCR+14]. retrofitted 
[TTS+10]. retrofitting [LPG14]. 

Reusability [Tai13]. reusable 
[H10, MME14]. reuse [WR10]. Reusing 
[PKP19]. Reverse [CCA+12, MLM19]. 

Review [Ano15, Bro12, Del13, Gve13, Kie13, 
Ngo12, Teo12, Teo13, EKUR10]. Revisited 
[Me14, Gon11]. rewriting [HLO15]. RFID 
[AY10]. RFLP [CYC12]. richer [CV14]. 

rigor [Vit14]. Rigorous [AG17]. rings 
[Pos19, Pos19]. Rise [DP18a]. risk 
[MPM+15]. River [HHSS13]. RJ [Ou16]. 

Road [RXK+17, SWU+15]. Robin [Ano15]. 
Robotic [DiP18b, LM15]. Robots [SWF12]. 

Robust 
[V15, VD17, MKZ+14, SGV12, VM10]. 

Rod [Teo12]. ROM [MLM19]. row [Lei17]. 

row-typed [Lei17]. RTSJ [ZW10]. Rubah 
[PVH14]. Ruby [Teo12]. rule [QL17]. 
Rules [CCA+12, HLO15]. run [WAB+11]. 
run-time [WAB+11]. Running 
[H11, TWX+10, YK14]. runs [FIF+15]. 

Runtime [BLH12, GSS+18, MAH16, 
MSS10, NWB+15, OCFLI14, XMA+14, 
BRG12, EQ10, GXL+10, GSS+16, 
LMK16, MS10, OK+10, PK+13, RO12, 
STY+14, TWSC10, VBAM10a, WLL19].
YRHBL13, dCMNN12]. runtimes [BM14, CSV15, RCR+14, WWH+17].


Scalable [BBB+17, BS12, DFR13, GGRSY17, HC11, JQJ+16, RXX+17, RTE+13, XMA+14, ETTL12, FC11, GGRSY15, NFV15, PIR17, PLR18, RTET15, TTD12]. ScalaLab [PTML11, PTML14]. scalar [PQTGS17]. Scale [BA17, PE11, DHS15, LO15, MDS+17, MCY+10, PTF+15, WHIN11]. SCAL [DLPT14]. scenarios [AMWW15, Sch13]. Scheduler [QSS+16, IF16, TWL12]. scheduler-independent [IF16].


scientists [Bra14]. SCORM [HC10]. Scrap [ZCdsOvdS15]. Script [MSSK16].

Scripting [CSGT17, KKK+17, HBT12, KRR+14, PTML14, Zha12]. SE [LYBB14]. Seamless [OwKPM15]. Search [SED14, DDDF17]. searching [ETR12].


Semantics [BO12, BR15, Kri12, LML17, SPY+16, AK13, FBH17, FZ17, KH+17, Mil13, MT14, PSR15, PPS16, ZHCB15].

Semantics-based [SPY+16]. semantics-preserving [AK13]. Semi [FM13, ABC18, MRMV12].

semi-automated [MRMV12].


Server-Side [HC11, KRH16, D’H12]. Service [BVEAGVA10, SDM12, CSKB12, EABGAV14, GD10, HWLM11, KF11].

service-oriented [EABGAV14]. services [MZC10b]. session [KDPG18, FGR12]. Set [SBK13, Lon10a, Lon10b].

Set-based [SBK13, Lon10a, Lon10b]. sets [SP10b].

setters [Mil13]. setting [BDGS13].

Settings [GM12]. Seven [ST15]. Shadow [NNTK17]. ShadowVM [MKZ+14]. shalt [LCW18]. shape [GMT14]. Shared
[BG17, BSMB16]. Shared-Memory
[BG17, BSMB16]. sharing [PKO+15].
Short [AHK+11, SV15a, Zak12].
Short-term [AHK+11], shortcut
[MLM19, CSGT17]. Side
[HC11, OBPM17, D'H12, KRH16]. SIGCSE
[Wal12]. Signatures [DR10]. significance
[FMS+11]. simpA [RVP11]. Simple [BO11,
BO12, KCP+17, BVG14b, MSM+10].
Simplicity [Dei11]. Simulating [LM15].
Simulation [HWLM11, FLZ+18, KKW11,
Rim12, ZXL16]. Simulation-based
[HWLM11]. simulations [MCY+10].
Simulator [MKG+17, RXK+17], single
[JK13]. Sinking [CDG+17]. site
[CPST15, SSB+14a]. sites [OOK+10]. size
[AST12, UTO13]. sizing [CSV15]. SJL
[MvH15]. skills [JACS10]. Slicing
[XMA+14]. Slimming [WGF11]. SLOC
[LSBV16, LSBV17]. Smaller [GS12].
smalltalk [FIF+15, HKVG14]. Smart
[GMS12]. Smartcard [RBL12].
SMAROp [TGZ17]. Smartphones [RT14].
SMARTS [RXK+17]. snapshots [AST12].
Snippets [SWU+15]. SNMP [YCYC12]. SoC
[TKL+15]. social [GGC18]. soft [JACS10].
Software [BSA14, CC15, RC17, Wan11,
YQTR15, BMS27, BTR+13, CBGM12,
CFH+13, CJ17, DVL13, EKUR10,
FRGPLF+12, FC11, GT10a, HBG+16,
JhED11, JK11, LPA13, MHR+12, NG16,
OIA+13, PLL+18, RAS16, SV17, XR13,
YRB113, ZZK13, ZHCB15, ZDS14].
Solidity [Dan17]. Solution
[KS15, EKUR10, J+12]. Solving
[SED14, FMBH15, UPR+18]. Sorting
[BKP16]. Sound [BO13, BGK17, LE16,
BSB14, ELW15, PPM15]. soundly
[BS13]. Source [BSA14, GD12, MM16,
RLMM15, SRTR17, SED14, ABC18, AK13,
CJ17, DRN14, EKUR10, FMS+11, JK11,
MKK+12, MKK+13, OJ12, PMP+16,
SSK13, Tai13, ZWSS15]. source-code
[MKK+12, MKK+13]. source-to-source
[AK13]. sources [IN12]. sparse [TGZ17].
sparse-matrix [TGZ17]. spatial
[MLGA11]. Speaking [Rau14, Sam12].
Special [DVL13, Fox17a, HL13, HGCA11,
Puf13, HTLC10, RHT13, HTW14, VK12].
specialization [KRR+14, SV15a]. specific
[CSdL16, EK+13, HWW+15, Kie13].
Specification [GJS+13, GJS+14, IF16,
KW11, LN15, LYBB13a, LYBB13b,
LYBB14, TWH12, BVGVEA11a, BCF+14,
KR12, KW10, MRA+17, YP10, dCMMN12].
specifications [BENS12, TVD10, UPR+18].
specified [BCR11]. Specifying
[BNS12, HL13]. Speculation
[AC16, MGI17]. speculative
[BB17, YRHBL13]. speed
[HRS+17, SBF+10, UTO13]. SPIN
[AsdMG14]. SPL [BTR+13]. splittable
[SLF14]. SPOON [PMP+16]. spot
[LMK16]. SPUR [BBF+10]. SQL
[KMLS15]. SqueakJS [FIF+15]. SSNTDs
[VSG17]. Stability [BSA14, LL15].
stabilizing [hED12]. stack
[KRCH14, Xuc12]. stack-based [KRCH14].
stage [WRI+10]. staged [SC16]. staging
[RO12]. Standard [KRG17, LMS+12].
Standardization [TWH12]. StarL
[LM15]. State [AGR12, BLH12, MvDL12,
MS14, GN16, YP10]. state-
[YP10].
statecharts [MS13]. Statement
[XMD+17, PLR14, ZWSS15]. statements
[PLR14]. Static
[BGK17, BNE16, JC10, MTL15, ODL15,
PILCH11, PLR18, RD15, SW12, SH12,
AM14, CGJ+16, Fer13, FLL+13, IF16,
KSW+14, LS11, MHR+12, PI17, TLMM13].
statically [BTR+13, NED+13]. statistical
[Bra14, ZFK+16]. statistically [PPM15].
statistics [HCN14]. stealing
[KFB+12, TLW12]. STM [CHM16, Sub11].
STM/HTM [CHM16]. StMungo
[KDPG18]. stochastic [CRAT+12]. stock
[PVH14]. Stop [LWB+15]. Storage
[Hol12, VDV17]. Store [BS12, Sta10].
stores [DFR13]. Story [Ano14]. strategic
[BMR14]. strategy [PDPM+16]. Stream
[KBP17, MV16, BRWA14, SSG+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
[UIMP10, ZHCB15, ZBB17]. structure
[LO15, PLL+18, UMP10]. structured
[ABC18, LSWM16]. Structures
[GT10b, CDTM10, XMA+10]. studies
[EKUR10]. Studio [RT14, FH16].

Studio-Based [RT14]. Study
[KB11, OBPM17, RLMM15, ZMM+16,
BRGG12, CCFB15, CJ17, ECS15, JK11,
KFBBK+15, MHR+12, NCS10, OMK+10,
PTF+15, SSL18, SH12, TFPB14, VBDPM6,
WXR16, YW13]. style [UFM15].

substitute [PPMH15]. substitute
[GTL+10]. subtypes [HL13]. Subtyping
[LN15]. suite [SMSB11, BB12]. Suites
[GGZ+15]. Summaries [BH17].

Summarization [MM16, RLMM15].
Superblock [KS13]. Supercharged
[Cec11, GBS13]. Superposition [HD17].
supertype [RRB17], supervenience
[Rez12]. Support
[CSGT17, KKK+17, RKN+18, BVGVEA13,
DVL13, GMC+13, Hos12, NGB16, SMN+12].
supported [FMM+11]. Supporting
[LVG10, EKUR10]. Surgical [RSP+14].
surprises [FMBH15]. Survey
[AGM+17, BCvC+13, GD10]. SurveyMan
[TB14]. surveys [TB14]. suspension
[TWL12]. sweeping [KBL14]. Sweeten
DFHF15]. Swift [YZZ+12]. SWIM
[Sch10a]. symbol [Tar11]. Symbolic
[NNTK17, PMTP12, SWMV17, MMP+12,
Rim12]. synchrombench [Gra15].

Synchronisation
[CHMY19, CHMY15, WBM+10].
synchronization [DHM+12, Gra15, Sub11].
Synchronized [BG17].
Synchronized-by-Default [BG17].
Synchronous
[BVEAGVA10, SK12, MvH15]. syntactic
[LE16, MKK+12, MKK+13, QLBS17].
Syntax [SS13, KMMV14, SSK13].
synthesis [SR14a, STR16, SS16].
synthesizable [ABCR10]. synthesizer
[Ouy+13]. Synthesizing
[GK15, SRJ15, LH+10]. System
[BO13, KCD12, MAHK16, ACS+14, AYZI10,
AGR17, BDB11, ELW15, HA13, HDK+11,
HWLM11, KR12, MS10, STV+14, TLL11,
Nill2a]. systematic [TD15]. Systems
[BG17, BSA14, BNE16, CCH11, DLPT14,
Fox17b, HTW14, JMB12, LM15, NWP+18,
RTE+13, SLES15, SLE+17, AT16, DW10,
FH16, Fox17a, HD17, HWI+12, HTLC10,
LPGK14, LTK17, MHR+12, MAH12,
MvH15, OIA+13, PLL+18, PDGM12,
PDPM+16, RHT13, SDH+17, SSMGD10,
SH12, TTD12, TWX+10, THC+14, UIY10,
Vit14, YRHBL13, VK12].

Tableau [FFF17]. Tagged [RKN+18].
Tailoring [LZ12]. Take [Kie10]. Taking
[SWU+15]. Tales [Sew12]. talk
[Piz17, Siel17]. Taming [TLL11, SC16].

Tardis [BM14]. task
[Fe16, TWL12, ZLB+13].
TaskLocalRandom [PPMH15]. Tasks
[PWSG17, PWSG19, ST15, HAW13,
PPMH15, SPP+10]. Taurus [MAHK16].

Taxonomy [SS14]. Teaching
[HA13, SWF12, CHM13, ZDS+14]. teasing
[LB12]. technique [SKK13]. Techniques
[RD15, EV13, KS13]. Technologies
[Fox17b, HTW14, VK12, Fox17a, HTLC10,
KFBBK+15, NL14, RHT13]. technology
[NED+13]. TeJaS [LPGK14]. Template
[MM14, HJS+10]. templates
[FOPZ14, AK13]. term [AHK+11].
Terminating [FFF17]. Termination
Test-driven [BM18], tested [Mil13].
Testing [Ame13, BR12, Hinz13, MM12, MMP15, MMP+12, CSS+16, CNS13, KPP+18, Lr10, Teo12, TD15].
tests [Aö11, Nycs12, Srj15]. Textbooks [BnP11], their [RDP16]. theorem [SSH17].
Third [Esq11], thin [PPS16], thin-air [PPS16], things [McK16]. Think [WR10].
Third-party [FopZ14, LG10], THOR [TWX+10]. Thoth [KB17]. Thou [LCW18].
thread [BKC*13, CraJ10, Mgi17, Pcl14, PG12, SS10, WLL19, YDF15].
TigerQuoll [BBP13]. Tim [Teo13]. Time [Bveagva10, Bbb*17, BLH12, DLR16, Fox17b, HTW14, JMB12, Kie10, KW11, Pkm19, Pau14, Sles15, SL*17, VK12, BCR13, BM14, BVGVEA10, BVGVEA11a, BVGVEA11b, BVGVEA13, BVGVE14a, BVGV14b, CRAJ10, DW10, EABVGV14, Fox17a, GMC+13, HTLC10, KHM+11, KPHV11, KHL+13, KvGs+14, KW10, Ksr14, LMK16, LTK17, MGI17, Ngl2a, Psl0, Pz+m10, PSW11, Puf13, Rht13, SP10a, Spfh10, SIE10, SPS17, SH12, TTS+10, WAB+11]. time-travel [BM14].
Timp [Sls+12]. tiny [Xue12]. tolerant [Pzm+10]. Tool [Fmm+11, Pqd12, SW12, Ssk13, ABF12, CRAT+12, ETR12, KSR14, LS11, TWX+10]. Tool-supported [Fmm+11].
toolchain [KdpG18, SMN+18]. Tools [Bro12, CSZ17, CS12, ABK+16, KPP+18, Vbam10b].
trace-based [BBF+10, Hwm14, HWI+12, IHW12]. Traceability [Cskb12], tracer [CZ14].
Traces [Wkg17, BA12, RGM13]. Tracing [BP10, DLR14, DLR16, MD15]. track [Vsg17]. TrackEtching [Vsg17].
Tracking [RLM15, SDC+12, WLL19, KHL+13, OOK+10], Tracks [RGM13], tradeoff [UTO13]. Traffic [Rkx+17]. Trail [Hhss13]. Train [Mssk16], training [Kmzn16], trait [BCD13, VM15]. traits [BGDS13, BD17]. Transactional
[Urj18, DVL13, FC11, Zhcb15]. Transactions [Dcsg12, CHM16, DRF13].
transformation [AST+16, Pddd17]. transformations [AK13, Mhm10, Pmp+16, TL17].
Transforming [dMrh12]. transitioning [Hwm14]. Translating [Rfrs14].
transparent [Bdb11], travel [BM14].
traversals [ODL15]. Tree [Lyo12, HLO15, KMMV14, Ssk13]. trees [RBV16]. trends [CC15, Mssk10, SR17].
trie [SV17]. trie-based [SV17]. tries [SV15a, SV15b]. triggered [EABVGV14].
TRINi [PdpM+16]. Trusted [TwnH12, BCF+14]. tuning
twitter [Guy14]. Two [Has12]. Type [BO13, CGJ+16, KSW+14, Kats12, Lei17, Loc18, RKN+18, SGD15, WT11, ACS+14, AT16, BS13, CMS+12, CVG+17, DLM10,
FH16, GBS14, HyG12, KMLS15, KRR⁺¹⁴, KRH16, KvRHA14, KDPG18, LPKG14, LE16, MHR⁺¹², SH12, TLL11, Zha12, eBH11. Type-Based [SGD15].

type-dependent [LE16]. Type-Safe [Loc18, KMLS15]. Typechecking [KDPG18, CL17]. Type-Safe [Loc18, KMLS15]. Typechecking [KDPG18, CL17]. Typed [BO13, KKK⁺¹⁷, MHL15, CMS⁺¹², KRCH14, Lei17, RDP16].

Types [BO13, RVB14, SPAK10, BDGS13, CHJ12, DDM11, HH13, MME⁺¹⁰, YDFF15]. TypeScript [Cho14, FH16, RSF⁺¹⁵]. Typing [FZ17, RSF⁺¹⁵, Sie17, SFR⁺¹⁴, TSD⁺¹²]. typy [OA17].


Understandable [MSM⁺¹⁶]. Understanding [ABC18, FRM⁺¹⁵, MKTD17, NWB⁺¹⁸, PCL14, QLBS17, Set13, TABS12, VMDBP16, LWB⁺¹⁵, Nil12b].


Upportable [SGG⁺¹⁷]. uptrees [HB13].

USA [Hol12, KP15]. usability [FH16, MHR⁺¹²]. Usage [RC17, PTF⁺¹⁵, QLSB17]. Use [BGK17, Guy14, MPM⁺¹⁵, AMWW15, MKTD17, PBHM13, Sch13]. use-case [AMWW15]. used [XR10]. useless [FRC⁺¹⁷]. User [Liu14, MvDL12, SLS⁺¹², DAA13, FMS⁺¹¹, PSNS14]. user-defined [FMS⁺¹¹]. Using [ASdMGM14, BS12, BSA14, BNE16, DLM10, HCN14, KFBK⁺¹⁵, MV16, MSSK16, Pau14, PQD12, RC17, SDM12, SLE⁺¹⁷, UMP10, Wan11, WKG17, XMA⁺¹⁴, YCYC12, Zak18, BB17, DDDF17, Del13, FH16, FOPZ14, GBS14, IvdS16, KMLS15, KT14, KC12, LVG10, Lew13, LDR14, MT13, PIR17, PLR18, RAS16, SAdy⁺¹⁶, SSK13, SSH17, SHU16, VGS14, WLL19, WBM⁺¹⁰, WRI⁺¹⁰, XR13, vdMvdMV12]. UT [Hol12].

utility [CSV15, XMA⁺¹⁰]. utilization [BCR13].


Veritesting [SWMV17]. Version [FLZ⁺¹⁸, FC11, HD17, SM12, TMVB13, ZXL16].

vertical [STY⁺¹⁴]. via [DMS11, GGRSY15, GGRSY17, Hos12, HB13, JWM15, LSWM16, Rm12, SS16, TD17]. view [Guy14]. violations [LTZ14, PG12, RDF15].


Visualization [TAF⁺¹⁸, JEC⁺¹², JIL17, MCY⁺¹⁰]. visualizing [DSEE13, KS14, MPR12]. vital [EV13]. VM [LBF12, YKM17].

VM/application [LBF12]. VMKit [GT⁺¹⁰]. volume [Gve13]. Vroom
REFERENCES

[BMDK15]. vs [BA17, GBC12, MD15, SRTK17, SK12, SH12, WKJ17].
Vulnerabilities [MS14, GGC18].
vulnerability [MLM19, Sve14].

Wampler [Bro12]. wanted [Gra15].
watering [Ano13]. wave [PQTGS17]. way [Ker15, PLR18, WGF11].
ways [Kie13].
weak [WRI+10]. Weapon [Nil12a].
weaving [VBMA11].
web [AMT17, EKUR10, ETR12, HRS+17, HCN14, KFBK+15, MCC17, MCY+10, RUSD15, RCR+14, Ryu16, WGW+11, DAA13, HSL13, Kri12, MvDL12, MAF15, NL14, OwKPM15, RFB14, Sch10b, YW13, Zak18].
web-based [EKUR10].
web-portal [MCY+10].
WebAssembly [HRS+17].
WebCL [KFBK+15]. Websites [KCD12].
weight [MvH15]. weighted [PLL+18].
well [EV13]. well-grounded [EV13].
WETSUIT [ETR12]. Whalesong [YK14].
whole [DS16].
Widening [KKW14].
wild [MPM+15, Ryu16, STS+13].
wildcards [AS14, TLL11].
Wrench [CFH+13].
work [MPM+15, Ryu16, STS+13].
workaround [UPR+18].
workbench [CFH+13]. Working [ST15].
workshop [Fox17a]. world [CIAD13, McK16, STS+13].
Worst [SPPH10, dGRdB+15].
Worst-case [SPPH10].
would [Han15]. wrap [FOPZ14].
Wrappers [MPS12].
Wright [Teo13].
write [HJH10].
Writing [Jaf13].

x [MSM+16]. X10 [TWL12].
Xbase [EEK+13]. XIR [TWSC10].
XML [NL14].
XSS [GGC18, MSSK16, VS11]. Xtraitj [BD17].

yieldpoint [LWB+15]. yin [CBGM12].

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

References

Altman:2010:OTJ


Accioly:2018:USS


Auerbach:2010:LJC

Joshua Auerbach, David F. Bacon, Perry Cheng, and Rodric Rabbah. Lime: a
REFERENCES


Avvenuti:2012:JTC


Abanades:2016:DAR


Ansaloni:2012:DAO


Akai:2010:EAS


Anjo:2016:DML


Ahn:2014:IJP

Wonsun Ahn, Jiho Choi, Thomas Shull, María J. Garzarán, and Josep Torrel-

**Aumuller:2016:OPD**


**Amighi:2016:PCC**


**Autili:2013:HAR**


**Austin:2012:MFD**


**Arnold:2011:AOJ**


**Aiello:2011:JBA**

Francesco Aiello, Giancarlo Fortino, Raffaele Gravina, and Antonio Guerrieri. A
REFERENCES


REFERENCES


Apel:2010:CUF


Aigner:2011:STM


Aigner:2015:AJE


Andrysco:2016:PFP


Axelsen:2013:PTD


Altman:2012:USM

REFERENCES


Anonymous:2014:RKS


Anonymous:2015:BRL


Arslan:2011:JPM


Altidor:2014:RJG


Adalid:2014:USA


Austin:2017:MFD

Afek:2012:ISJ


Amin:2016:JST


Alshara:2016:MLO


Akram:2016:BPG


Ali:2010:DJB


Bradel:2012:ITJ


Brown:2017:NJP

Neil C. C. Brown and Amjad Altadmri. Novice


Bettini:2013:FDT


Bodin:2014:TMJ


Bainomugisha:2013:SRP


Bettini:2017:XTJ

REFERENCES

[Bala:2011:DTD]

[BDB11]

[Bettini:2013:CTB]

[BG17]

[Barbuti:2010:AIA]

[BENS12]

[BDG17]

[BDT10]

[BGK17]

[Burnim:2012:NIN]

[Bettini:2013:CTB]

[BFT10]

[BDT10]

[Berman:2017:EUS]
Lewis Berman, Keith Gallagher, and Suzanne Kozaitis. Evaluating the use of sound in static program comprehension. ACM Transactions on Applied Perception,
Bedi:2013:MMT


Bodden:2010:AOR


Biboudis:2017:RJD

Burdette:2012:ECJ


Baar:2012:DEP


Bell:2014:PID


Bond:2013:OCC


Brooks:2016:CST


Bodden:2012:PEF

Barr:2014:TAT


Bouraqadi:2018:TDD


Bell:2015:VFB


Brockschmidt:2012:ATP


Balland:2014:ESP


Boldi:2018:BMC


Bludzhe:2017:ECC

Simon Bludzhe, Anastasia Mavridou, Radoslaw Szymieck, and Alina Zolotukhina. Exogenous co-


REFERENCES

Barabash:2010:TGC

Bluemke:2012:DTJ

Bogdanas:2015:KJC

Brandt:2014:DAS

Bhattacharya:2012:DLI

Brown:2012:BRF
Bosboom:2014:SCC


Bedla:2012:SSJ


Balatsouras:2013:CHC


Bouktif:2014:PSO


Bonetta:2016:GSM


Brockschmidt:2012:ADN

REFERENCES


REFERENCES

236, June 2012. CODEN CANED2. ISSN 0163-5964 (print), 1943-5851 (electronic). ISCA ’12 conference proceedings.


Chisnall:2017:CJS


Carter:2013:SSA


Chambra:2016:TIS


Chamberlain:2017:PLR


Chugh:2012:DTJ

[CHJ12] Ravi Chugh, David Herman, and Ranjit Jhala. Dependent types for JavaScript.
REFERENCES


REFERENCES

Chen:2017:CLP


Canino:2017:PAE


Castro:2017:JLC


Chang:2012:IOT


Choi:2013:GGT


Clifford:2014:AFB

REFERENCES


REFERENCES


[CSKB12] Jayeeta Chanda, Sabnam Sengupta, Ananya Kanjilal,

Chen:2016:CDD


Cameron:2015:JFE


Casale:2017:PEJ


Cazzola:2014:JBR


Chaudhuri:2017:FPT


Cavalcanti:2013:SCJ


Dietrich:2016:WJD

Dam:2010:PCI

DeJong:2018:MJA

DeFrancesco:2010:UAI

DeNicola:2014:FAA

Dissegna:2014:TCA
REFERENCES

56

1523-2867 (print), 1558-1160 (electronic). POPL ’14 conference proceedings.

Dissegna:2016:AIB


Demange:2013:PBB


demMol:2012:GTJ


Duarte:2011:ICS


Devietti:2012:RRC


Dietrich:2010:POD


[EABVGV14] Iria Estévez-Ayres, Pablo Basanta-Val, and Marisol


REFERENCES

Egbring:2010:POS

Erdweg:2014:FEL

Eichelberger:2014:FRM

Esquembre:2011:TPL
Francisco Esquembre. There is parallel life for Java scientific programmers! *Com-


[FBH17] Vincent Foley-Bourgon and Laurie Hendren. Efficiently implementing the copy se-


REFERENCES


[Cormac Flanagan, K. Rustan M. Leino, Mark Lillicbridge, Greg Nelson, James B. Saxe, and Raymie Stata. PLDI 2002: Extended static checking for Java. ACM SIGPLAN No-
REFERENCES

icles, 48(4S):22–33, April 2013. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).


REFERENCES

CODEN ????, ISSN 2150-8097.

Java technologies for real-time and embedded sys-
tems (JTRES2014). Concurrency and Computation:
Practice and Experience, 29 (22):??, November 25, 2017.
CODEN CCPEBO. ISSN 1532-0626 (print), 1532-
0634 (electronic).

[Fox2017:EJT] Geoffrey Fox. Editorials: Java Technologies for Real-
Time and Embedded Sys-
tems (JTRES2013). Concurrency and Computation:
Practice and Experience, 29(6):??, March 25, 2017.
CODEN CCPEBO. ISSN 1532-0626 (print), 1532-
0634 (electronic).

[Fernandes:2017:AUM] Leonardo Fernandes, Márcio
Ribeiro, Luiz Carvalho, Ro-
hit Gheyi, Melina Mongiovi,
André Santos, Ana Cavalcanti,
Fabiano Ferrari, and José Carlos Maldon-
ado. Avoiding useless mu-
tants. ACM SIGPLAN No-
tices, 52(12):187–198, Dec-
ember 2017. CODEN SIN-
ODQ. ISSN 0362-1340
(print), 1523-2867 (print),
1558-1160 (electronic).

[Fdez-Riverola:2012:JAF] F. Fdez-Riverola, D. Glez-
Peña, H. López-Fernández,
M. Reboiro-Jato, and J. R.
Méndez. A Java applica-
tion framework for scientific software development.
Software—Practice and Ex-
perience, 42(8):1015–1036,
August 2012. CODEN
SPEXBL. ISSN 0038-0644
(print), 1097-024X (elec-
tronic).

[Fan2015:UCC] Hua Fan, Aditya Ramaraju,
Marlon McKenzie, Wojciech
Golab, and Bernard Wong.
Understanding the causes of consistency anomalies in
Apache Cassandra. Proceedings of the VLDB Endow-
ment, 8(7):810–813, Febru-
ary 2015. CODEN ????,
ISSN 2150-8097.

[Fournet:2013:FAC] Cedric Fournet, Nikhil
Swamy, Juan Chen, Pierre-
Evariste Dagand, Pierre-
Yves Strub, and Benjamin
Livshits. Fully abstract
compilation to JavaScript.
ACM SIGPLAN Notices, 48
CODEN SINODQ. ISSN
0362-1340 (print), 1523-
2867 (print), 1558-1160
(electronic).


Kiev Gama and Didier Donsez. A survey on approaches for addressing dependability attributes in the OSGi ser-


Philippa Anne Gardner, Sergio Maffeis, and Gareth David

**Greenman:2014:GFB**


**Gupta:2016:LSA**


**Gong:2011:JSA**


**Grossschadl:2012:EJI**


**Gramoli:2015:MTY**


**Grecch:2011:JGE**


**Grigore:2017:JGT**

Radu Grigore. Java generics are Turing complete. *ACM SIGPLAN Notices*, 52(1):
REFERENCES

73–85, January 2017. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Giacaman:2011:OOP


Gil:2012:SFJ


Gill:2015:RMD


Grimmer:2016:HPC


Grimmer:2018:CLI


Gill:2010:MDP

REFERENCES

Goodrich:2010:DSA


Geoffray:2010:VSM


Gidra:2015:NGC


Gunther:2014:ACC


Guo:2017:MJF


Guyer:2014:UJT

Gvero:2013:BRC


Gampe:2011:SMB


Grigore:2016:ARG


Garbervetsky:2011:QDM


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

REFERENCES

CIDEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

[102x581]Haverbeke:2011:EJM


[102x192]Heumann:2013:TEM


[102x340]Hedin:2016:IFS


[102x530]Heidegger:2012:APC

Hsiao:2010:EST


Hughes-Croucher:2011:NRS


Horstmann:2013:CJF


Hsiao:2014:UWC


Hammer:2017:VOV


Halder:2017:JSV


Hofmann:2011:EOS

REFERENCES

Hanazumi:2017:FAI

HunEom:2012:SSJ

HunEom:2012:DDP

Horspool:2011:PPP

Hoppe:2013:DDB

Hover:2014:HRF
REFERENCES

Herhut:2013:RTP


Hinojosa:2013:TS


Hunt:2012:JP


Hellyer:2010:LCW


Heidenreich:2010:GST


Hlopko:2014:ISJ


Haddad:2013:SIP


[Hague:2015:DRC]

[HLO15]

[HLSK13]

[Herranz:2012:VIP]

[HMDE12]

[HNTL12]
REFERENCES


Hayashizaki:2012:IPT


Huang:2011:SBA


Haubl:2010:CES


Haubl:2011:ECE


Haubl:2013:CST


Haubl:2014:TTE

Christian Häubl, Christian Wimmer, and Hanspeter Mössenböck. Trace transitioning and exception handling in a trace-based JIT compiler for Java. *ACM
REFERENCES


Humer:2015:DSL

Hackett:2012:FPH

Iranmanesh:2016:SSE

Inoue:2012:AML

Inoue:2012:ISC

Islam:2012:HPR
REFERENCES

Insa:2018:AAJ

Inostroza:2016:MIM

Juneau:2012:JRP

Joseph:2010:PII

Jaffer:2013:EAR

Ji:2012:PKP

James:2010:FMC
Perry R. James and Patrice Chalin. Faster and more complete extended static checking for the Java modeling language. *Jour-
References

Jacek:2019:OCW

Jara:2012:NVJ

Jendrock:2012:JET

Jovic:2011:LLP

Jenista:2011:OSO

Jayaraman:2017:CVJ
REFERENCES

Johari:2011:ESE

Jantz:2013:ESM

Jagannathan:2014:ARV

Jung:2012:EJA

Jung:2014:HCO

Javed:2016:TSJ

**Johnsen:2012:SLM**


**Johnson:2015:EES**


**Jin:2012:JMM**


**Kossakowski:2012:JED**


**Kastner:2012:TCA**


**Kumari:2011:AOO**

REFERENCES

ISSN 0163-5948 (print), 1943-5843 (electronic).

Kunjir:2017:TAM

Kim:2014:LBL

Kiselyov:2017:SFC

Kulkarni:2012:MCO

Krishnaveni:2012:HOJ

Kedia:2017:SFS

Kouzapas:2018:TPM
Dimitrios Kouzapas, Ornela Dardha, Roly Perera, and


REFERENCES


Kalibera:2011:SRT


Khyzha:2012:AP


Kintis:2018:HEM


Kang:2012:FSJ


Kedlaya:2014:DDL


Kedlaya:2016:SST

REFERENCES


Aggeliki Kouneli, Georgiia Solonou, Christos Pierrakeas, and Achilles Kameas. Modeling the knowledge domain of the Java programming language as an ontology. *Lecture Notes in Computer Science*, 7558:152–
REFERENCES


Korsholm:2014:RTJ  

Kashyap:2014:TRS  

Keil:2014:EDA  

Keil:2015:BAH  

Kersten:2014:RRA  

Kolesnikov:2014:CPB  
DEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

**Kim:2010:EAE**


**Kim:2011:MAE**


**Lauinger:2018:TSD**


**Li:2014:MHD**


**Lorenzen:2016:STD**


**Leijen:2017:TDC**


**Lerner:2010:FTJ**


**Lewis:2013:IAP**


**Liu:2019:RIP**


**Liu:2014:JNU**


**Leino:2015:APS**


**Leung:2013:PEJ**


**Lin:2015:STU**

[LM15] Yixiao Lin and Sayan Mitra. StarL: Towards a uni-

Lee:2016:ECP


Loring:2017:SAJ


Lopes:2015:HSA


Lochbihler:2013:MJM

REFERENCES

12:??, December 2013. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).


[LSBV16] Davy Landman, Alexander Serebrenik, Eric Bouwers,

**Landman:2017:CEA**


**Luu:2014:MCC**


**Leopoldseder:2016:JJT**


**Li:2011:JEC**


**Li:2014:EAJ**


Byeongcheol Lee, Ben Wiedermann, Martin Hirzel,


McIntosh:2012:EJB


Maas:2016:THL


McIntyre:2012:FJB


Martinez:2017:MBA


McKinley:2016:PWU


McLane:2010:UIV


Marr:2015:TVP


Mytkowicz:2010:EAJ


Martinez:2017:ARR


Meijer:2014:EJR


Martinsen:2017:CTL


REFERENCES

Misra:2012:JSC


Misra:2013:JSC


Mazinanian:2017:UUL


Marek:2014:SRC


Martinez-Llario:2011:DJS


Mesbah:2019:REJ

REFERENCES


<table>
<thead>
<tr>
<th>REFERENCES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ISSN 0163-5948 (print), 1943-5843 (electronic).</td>
<td></td>
</tr>
<tr>
<td><strong>Mirshokraie:2015:GMT</strong></td>
<td><strong>MPS12</strong></td>
</tr>
<tr>
<td><strong>Mastrangelo:2015:UYO</strong></td>
<td><strong>MRA⁺17</strong></td>
</tr>
<tr>
<td><strong>Mercer:2012:CVI</strong></td>
<td><strong>MRM12</strong></td>
</tr>
</tbody>
</table>
REFERENCES

McIlroy:2010:HJR

Marinescu:2013:FSJ

Moller:2014:ADC

Marino:2010:DSE

Marino:2016:DXU

Mitchell:2010:FTL

Mitropoulos:2016:HTY
Dimitris Mitropoulos, Konstantinos Stroggylos, Diodiris Spinellis, and Angelos D. Keromytis. How to train your browser: Preventing XSS attacks us-


Yeoul Na, Seon Wook Kim, and Youngsun Han. JavaScript parallelizing compiler for exploiting parallelism from data-parallel HTML5 applications. *ACM Transactions on Architecture and Code Optimization*, 12(4):64:1–64:??, Jan-
February 2016. CODEN ????
ISSN 1544-3566 (print),
1544-3973 (electronic).

Nolan:2014:XWT

[NL14] Deborah Ann Nolan and
Duncan Temple Lang. XML
and Web technologies for
data sciences with R. Use
R! Springer-Verlag, Berlin,
Germany / Heidelberg, Ger-
many / London, UK / etc., 2014. ISBN 1-
4614-7899-5. xxiv + 663
pp. LCCN QA76.76.H94
N65 2014. URL http://www.loc.gov/catdir/
enhancements/fy1503/2013954669-

Nakaike:2010:LER

[NM10] Takuya Nakaike and Maged M.
Michael. Lock elision for
read-only critical sections in
Java. ACM SIGPLAN No-
tices, 45(6):269–278, June
2010. CODEN SINODQ.
ISSN 0362-1340 (print),
1523-2867 (print), 1558-
1160 (electronic).

Noller:2017:SSE

[NNTK17] Yannic Noller, Hoang Lam
Nguyen, Minxing Tang, and
Timo Kehrer. Shadow sym-

colic execution with Java
PathFinder. ACM SIG-

SOFT Software Engineering
Notes, 42(4):1–5, October
2017. CODEN SFENDP.
ISSN 0163-5948 (print),
1943-5843 (electronic).

Nikolic:2012:DEA

[NL12] Durica Nikolić and Fausto
Spoto. Definite expression
aliasing analysis for Java bytecode. Lecture
Notes in Computer Science,
7521:74–89, 2012. CODEN
LNCSDD9. ISSN 0302-9743
(print), 1611-3349 (elec-
springer.com/chapter/10.1007/978-3-642-32943-
3_6/.

Nikolic:2013:RAP

[NL13] Durica Nikolić and Fausto
Spoto. Reachability anal-
ysis of program variables.
ACM Transactions on Pro-
gramming Languages and
Systems, 35(4):14:1–14:??,
December 2013. CODEN
ATPSDT. ISSN 0164-0925
(print), 1558-4593 (elec-
tronic).

Nicolay:2017:PAJ

[NSDD17] Jens Nicolay, Quentin
Stiévenart, Wolfgang De
Meuter, and Coen De
Roover. Purity analysis
for JavaScript through ab-
stract interpretation. Jour-
nal of Software: Evolu-
tion and Process, 29(12):
??, December 2017. CO-
DEN ???? ISSN 2047-7473
REFERENCES

Nguyen:2015:FCR


Nguyen:2018:UCM


Naik:2012:AT


Omar:2017:PSF


Oaks:2014:JPD


Ocariza:2017:SCC

References

Ortin:2014:RPI


Olivo:2015:SDA


Ogawa:2013:RJA


Oltszak:2012:RJP


Ogata:2010:SDA


Odaira:2010:ERT


Olson:2018:CLM

Matthew Benjamin Olson, Joseph T. Teague, Divyani Rao, Michael R. Jantz, Kshitij A. Doshi,


org/content/54/1/108.
full.pdf+html.


[PLL18] Weifeng Pan, Bing Li, Jing Liu, Yutao Ma, and Bo Hu.

**Park:2014:AAS**


**Park:2018:SAJ**


**Papadimitriou:2014:MLS**


**Phan:2012:SQI**


**Porter:2018:PJE**

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


Poslavsky:2019:REJ


Passerat-Palmbach:2015:TSS


Pichon-Pharabod:2015:CSR


Piedrahita-Quintero:2017:JGA

Pitter:2010:RTJ


Palmer:2011:BJM


Park:2012:CB


Pradel:2014:EAR


Park:2015:KCF


Pour:2011:MBD


Pinto:2015:LSS

Gustavo Pinto, Wesley Torres, Benito Fernandes, Fernando Castor, and Roberto S. M. Barros. A large-


Qian:2016:EFS

Rayns:2013:CJS
URL http://proquest.tech.safaribooksonline.de/0738438332.

Rehman:2016:VMJ

Rauschmayer:2014:SJD

Rossi:2015:NPJ

Razafindralambo:2012:FFH

Raychev:2016:PMC
Veselin Raychev, Pavol Bielik, and Martin Vechev.

**Rathee:2017:ROO**


**Rosa:2017:APV**


**Robatmili:2014:MRL**


**Radoi:2015:ETS**


**Ramirez-Deantes:2012:MTA**


**Rhodes:2015:DDO**

REFERENCES


**Richards:2013:FAC**


**Radoi:2015:WAR**


**Ravn:2013:EIS**


**Richardson:2014:BEL**


**Rimlinger:2012:TGS**


**Rodchenko:2018:TIE**

REFERENCES


[Rosa:2017:ARC] Tiark Rompf, Arvind K. Sujeeth, Kevin J. Brown,
REFERENCES


Norm Rubin. Heterogeneous computing: what does it mean for compiler research? *ACM SIG-
REFERENCES


REFERENCES


Schmidt:2010:ERA


Schultz:2010:WAJ


Schmeisser:2013:MOE


Schilbdt:2014:JCRb


Sluanschi:2016:AAD


Sousa:2016:CHL


Sridharan:2012:CTP

REFERENCES


Sewell:2012:TJ


Swamy:2014:GTE


Sherman:2015:DTB


Subercaze:2017:UPT


Simão:2012:CER


Stuchlik:2012:SVD

Steimann:2016:CRA


Siebert:2010:CPR


Siek:2017:CPT


Singer:2010:EGC


Smans:2010:AVJ


Shan:2012:OAC


Salkeld:2013:IDO

tronic). OOPSLA ’13 conference proceedings.


REFERENCES


[Andreas Sewe, Mira Mezini, Aibek Sarimbekov, and


[Spring:2010:RAI] Jesper Honig Spring, Filip Pizlo, Jean Privat, Rachid Guerraoui, and Jan Vitek. Reflexes: Abstractions for integrating highly responsive tasks into Java appli-


[SPS17] Strom:2017:HLR


[SPY+16] Stefanescu:2016:SBP


[SR17] Sun:2017:AJP


[SRB18] Sawant:2018:RDC

Anand Ashok Sawant, Romain Robbes, and Alberto
REFERENCES


Samak:2015:SR


Scanniello:2017:FFC


Sutherland:2010:CTC


Scheben:2012:VIF


Steik:2013:EIP


Sor:2014:MLD

Vladimir Sor and Satish Narayana Srirama. Memory leak detection in Java: Taxonomy and classification of

Surendran:2016:APP


Stark:2001:JJV


Su:2014:CEM


[Sarimbekov:2014:JCS


Stark:2014:JJV


Su:2014:CEM


[Sarimbekov:2014:JCS


Stark:2014:JJV


Su:2014:CEM


[Sarimbekov:2014:JCS

REFERENCES


[Santos:2013:DDS] Ivo Santos, Marcel Tilly, Badrish Chandramouli, and

Stefanor:2010:JP


Samak:2016:DSF


Su:2014:RVP


Subramaniam:2011:PCJ


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


IEEE Computer Society Press, 1109 Spring Street, Suite 300, Silver Spring, MD 20910, USA, May 2017.

Teodorovici:2012:BRC


Teodorovici:2013:BRL


Teyton:2014:SLM


Tommasel:2017:SJL


Tu:2014:PPP


Tran-Jörgensen:2018:ATV

Tsai:2015:JPI

Thiessen:2017:CTP

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

Toledo:2012:AJA
R. Toledo, A. Nunez, E. Tanter, and J. Noye. Aspectizing Java access
REFERENCES


**Topley:2011:JDG**


**Toffola:2015:PPY**


**Taboada:2013:JHP**


**Taboada:2011:DEJ**


**Takikawa:2012:GTF**


**Toledo:2011:ACJ**

IESOEG. ISSN 0740-7459 (print), 0740-7459 (electronic).


REFERENCES

Titzer:2010:ICR


Teng:2010:TPA


Urma:2015:JAL


Ugawa:2010:IRB


Ugawa:2014:ROP


Upadhyaya:2010:UDS


REFERENCES

Villazon:2010:ARA

Villazon:2010:HCA

Vidal:2016:ECJ

Villazon:2011:CAW

Vidal:2016:UAE

Vidal:2018:ARB

vanderMerwe:2012:VAA
[vdMvdMV12] Heila van der Merwe, Brink...

**[VGRS16]**


**[VGS14]**


**[Vit14]**

[VGRS16]


**[VGRS16]**

[VGRS16]


**[VGRS16]**

[VGRS16]


**[VGRS16]**

[VGRS16]

Jan Vitek and Tomas Kalibera. Introduction to the
REFERENCES


VanCutsem:2010:PDP


VanCutsem:2015:RTC


VanNieuwpoort:2010:SHL

REFERENCES


Peter Welch, Neil Brown,


**Wellings:2012:AEH**


**Wang:2017:JRJ**


**Wade:2017:AVJ**


**Wimmer:2010:AFD**


**Wendykier:2010:PCH**


**Witman:2010:TBR**

Paul D. Witman and Terry Ryan. Think big for

**Westbrook:2010:MJM**


**Wehr:2010:JBP**


**Wehr:2011:JIT**


**Wurthinger:2017:PPE**


**Wurthinger:2013:USD**


**Wei:2016:ESD**

REFERENCES

[WZdSOS17] Yanlin Wang, Haoyuan Zhang, Bruno C. d. S. Oliveira, and Marco Servetto. Clas-


**Xu:2010:DIU**


**Xu:2013:PML**


**Xue:2012:RJC**


**Xie:2013:AAE**


**Yang:2012:MPD**


**Yi:2015:CTC**


**Yang:2013:CPP**

Chao Yang, Zengyou He, and Weichuan Yu. A combinatorial perspective of the protein inference problem. *IEEE/ACM Transactions on Computational Biology*
and Bioinformatics, 10(6):1542–1547, November 2013. CODEN ITCBCY. ISSN 1545-5963 (print), 1557-9964 (electronic).

Yo:2014:WRR


Yang:2017:EJV


Yessenov:2017:DAD


Yang:2010:JIP


Yi:2015:SCC


Yiapanis:2013:OSR


Yahav:2010:VSP

Eran Yahav and Mooly Sagiv. Verifying safety prop-
REFERENCES


**[Zhang:2015:SYB]**


**[ZCdSOvdS15]**

**[Zeuch:2019:AES]**


**[ZDK+19]**


**[Zuo:2016:LOF]**


**[Zha12]**


**[ZHCB15]**

REFERENCES

Zhang:2012:RAJ

Zhang:2014:AIO

Zhao:2013:INT

Zheng:2016:CMD

Zheng:2016:CMD
REFERENCES


[ZW10] Alexandros Zerzelidis and Andy Wellings. A framework for flexible scheduling in the RTSJ. *ACM Trans-
REFERENCES


Zhu:2013:EAZ


Zhu:2015:APL


Zhao:2014:CSP

Zhijia Zhao, Bo Wu, Mingzhou Zhou, Yufei Ding, Jianhua Sun, Xipeng Shen, and Youfeng Wu. Call sequence prediction through probabilistic calling automata. ACM SIGPLAN Notices, 49(10):745–762, October 2014. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Zhang:2016:NVC


Zhang:2012:SRB


Zhang:2013:IMF

REFERENCES

CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic). OOPSLA '13 conference proceedings.