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 [GBC12, JEC+12, ZXL16]. $C_p$ [AÖ11]. $k$ [SD16b, SGG+17]. $Z_p$ [AÖ11].

-safety [SD16b].

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

'12 [Hol12].

27th [KP15].

5 [KHR11].

6 [Jen12].

7 [EV13, J+12]. 75 [HWM11].

8 [LYBB14, SA+16, UFM15].

938 [Gun14]. 978-1-4493-1103-2 [Bro12].

Abbreviated [SRTR17]. ABS [SA+16].
absence [AGH+17]. Abstract
[AGR12, BDT10, DLR16, XMA+14, DLM10, DLR14, FSC+13, KMMV14]. Abstraction

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

circular [Gun14, SZ10]. Circus [ZLCW14].

city [Hol12]. Class [BS13, NCS10, HC10, HM10, SC16, TSD+12]. Classes [And14, WT11, CZ14, SZ10, TSD+12, VBDPM16].

Classifies [SD16a]. classification [SS14].


Closures [BO11, BO12, BO13]. Cloud [VDV17, GGC18, LZY16, TLM13].

cloud-based [GCC18]. cluster [TRTD11]. Cocoa [Sta10].

Code [BH17, BNE16, HC11, RVK15, SRTR17, SV15a, SED14, AGR17, AK13, CCFB15, DRN14, FH16, FMS+11, LVG10, NG13, OJ12, PMP+16, PSW11, RFSR14, RBV16, RO12, UTO13, VSG17, WKJ17, WGF11, WBA+11, WAB+11, WWS13, ZHL+12, ZXL16, ZWSS15].
coding [LMS+12]. coherent [ZP14]. Cold [BZD17, WGF11]. collected [AGGZ10].

collecting [AHK+11].

Collection [ASV+16, GM12, QSaS+16, BP10, BOF17, KPHV11, KBL14, NGB16, ODL15, PZM+10, PDP+16, SP10a, SBM14, SIE10, SB110, SKBL11, UIY10, UJR14].

Collections [GS12, PL12, SV15b, SV17]. collectives [RTET15, TTS11]. Collector
Correctness [AdCGGH16, AJL16, DJLP10].

[GTSS11, SKBL11]. corpus [HCN14].
correct [AdCGGH16, AJL16, DJLP10].

Correctness [LL15, BENS12, Cho14].


CPS [PDDD17]. CPU [PKO+15].


Cross [MDM17, AMWW15, BKC+13, GSS+16, KMZN16]. cross-cutting [AMWW15]. Cross-language [MDM17, GSS+16]. cross-program [KMZN16]. cross-thread [BKC+13].

Crowdsourcing [BH17].

CrowdSummarizer [BH17].

Cryptography [GPT12], CSS [HLO15, Sta10]. Curve [GPT12].

customizations [LVG10]. customized [HB13]. cutting [AMWW15]. Cyclic [BMOG12, RS12].

DD [GBC12, JEC+12, ZX16]. DAA [DR10].

Data [Bra14, BMOG12, BA17, GM12, GTS+15, GT10, NKH16, NBW+15, dMRH12, B14, BB17, BOF17, BBXC13, BJKD12, CRP+10, DFR13, DHM+12, FOPZ14, KB17, LDL14, MRA+17, NL14, SAdB+16, SSG+14, SGG+17, UMP10, WKJ17, WCG14, XXX13, XMA+10, ZlvdS17]. data-centric [DHM+12, FOPZ14]. Data-Parallel [NKH16, CRP+10]. database [Dei10, TABS12]. databases [MLGA11].

Dataflow [BR12]. Datalog [ZMG+14].


debugging [ASdMGM14, BM14, KS14, TB14, ZFK+16].

Deciding [SGD15]. decision [RBV16].

Declarative [DRN14, RS12, FOPZ14, MMD+10].

Decomposition [AGH+17].

deconstructing [ACS+14]. decoupled [LPA13].
deduplication [HOKO14].

Default [BG17, SNS+14]. defects4j [MDS+17]. defined [FMS+11].

Definite [NS12].

Definition [SS14b, AK13, SSB01].

Definitive [Oak14].

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

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

demonstrations [YKSL17].

Deoptimization [KRC14].

Dependence [PDDD17, JWM15].

Dependence-driven [PDDD17]. dependences [BKC+13].

dependencies [EL15].

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

depth [Rau14].

Design [AC16, ET1D12, MLGA11, Pu13, RTE+13, SW12, TRT11, TRL+15, VGRS16, YCY12, BBX13, CSdL16, GSD+15, IR+12, OAI7, SAdB+16, SMS11, VM10, Xue12].

Designing [Sev12b, KHR11]. Desktop [GS11].

destructive [FF10].

Detecting [BK12, HLO15, PiLCH11, XR10, FF10].

Detection [BSoG12, KCD12, MS14, RD15, XMA+14, CSK17, LMK16, LS11, ODL15, PG12, RDF15, RW17, SR14a, SR14b, SS14, WCG14, XXZ13, XR13].

detectors [LWH+10].

Determinacy [AM14].

deterministic [DNB+12].

developer [EV13, Top11, ZK13].

Developers [Bro12, BM14, DJB16, HH13, Wan11].

developing [R+13].

Development [ABK+16, AYZI10, AGRH7, FRRP12+12, PSW11, SH12, WBA+11, ZDS14].

Device [TTD+11, XHH12].

Devices [GPT12, JQ+16, MV16, ETR+15, Xue12].

DFC [BR12].

diagnosis [RW17].

DIAl [STCG13].

dialects [BlvdS17].

difference [PS11].

differential [CSS+16].
Differentiation [FHP+12, PQD12, SD16a, digital [JMO14], dimensional [TGZ17], Directed [STR16, CSS+16, EP14, Lei17, NG13, NED+13, WM10], directives [VGS14], Discovering [Sev12a], discovery [YKSL17], discrete [DDDF17], Disease [PE11], Dissimilar [Has12], Distance [ZW13], distributable [CRAJ10],

Distributed
[BVEAGVA10, LTD+12, LM15, MAHK16, PE11, BVGVEA10, BVGVEA11b, BVGV14b, CRAJ10, EABGV14, STCG13], distributing [TGZ17], divide [SBF+10],

Do [HH13, Han15], Does [BRGG12, Rub14], DOJ [hEYJD12], DOM [GGC18],

DOM-Based [GGC18], Domain [KSPK12, CsDL16, EEK+13, HWW+15, PIR17], domain-specific
[CsDL16, EEK+13, HWW+15], dominance [CPST14], Doppio [VB14a],

DoubleChecker [BHSB14], down [Ker15, ZMYN14], drf [MSM+16], DFRX [MSM+10, SMN+12], Driven
[CCA+12, CHM13, FWDL15, MTL15, PDDL17, SR14b], DSL [KARO12], DSLs [KLR11, RO12, SC16], DSU [PVH14], Dual [AD16], Dual-Pivot [AD16], Dynamic [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, RCR+14, RRB17, SR14b, SJPS10, SH12, TPG15, VBMAm10, WX16, WBA+11, WAB+11, WWS13, WWH+17, ZBB15],
dynamic-memory [GYB+11],
dynamically [CZ14, CMS+12, hEYJD12], Dynamo [BDB11],

e-Science [SGV12], ease [DRN14], Easy [Jaf13, CRP+10], economic [CSV15], economics [JMO14], edition [LYBB14], editor [EKR+12], Editorials
[Fox17, HTW14, RHT13], EDSLs [RDP16], Educator [BA17], EE [Jen12, MCC17], effect [CCFB15], Effective
[BMR14, PTML11, RD15, CsDL16], Effectively [UR15], effects
[FH16, HAW13, Lei17], Efficient
[DVL13, GPT12, HW11, HB13, KT14, KW10, OOK+10, RSF+15, RFBJ14, SMN+12, TLX17, TD17, AK13, BHSB14, CRP+10, ETR12, HW10, KKW11, MRA+17, MSM+10, Sio17, SGV12, SWB+15, SV15a, TRTD11, UMP10, VWJB10, XXZ13], Efficiently [FBH17, BKC+13, FOPZ14],

Einsatzszenerien [Sch13], Einsteiger [Ric14], Elektronik [Ric14],

Elektronik-Projekte [Ric14], Elephant [RGM13], elimination [GvR+11], elision [NM10], Elliptic [GPT12], Eloquent [Hav11], Embedded [Fox17, HTW14, JMB12, KARO12, Pan14, SLES15, SLE+17, TKL+15, VK12, Dei10, GMC+13, HTLC10, KHR11, LMK16, OIA+13, RHT13, SC16, SFR+14, UIY10, Xue12, ZY+12],

embedding [KMLS15, SC16], Empirical
[SS13, WXR16, BJBK12, FH16, HH13, MHR+12, NCS10, SH12, VBDPM16, VBMDP16], emulated [THC+14],

emulator [KS13], Enabled
[GPT12, DR10, ETR+15, RBL12, SGV12], encapsulation [DDM11],

End [GM12, DAA13], End-to-End [GM12], end-user [DAA13],
energy [CL17, PCL14], energy-aware [CL17], enforcement [IF16], enforcing [JWMC15],
engine [MG17, OUY13, Tar11], Engineering
[CCA+12, VF10], engineers [Bra14],
engines [KLR16, SSC+14], enhanced
[LMK16, WBA+11], Enhancing
[BDT10, BVGVEA13, DcSG12, HC10],

Ensuring [HDK+11],

Enterprise
[Ano14, AAB+10], entities [ETR12], Entry
[BT12], enumeration [SSH17],

Environment [Kol10, PTML11, EKR+12], environments [EABGV14, GTL+10],
HOKO14, KF11, RDP16, RCB17, SVG12.
ERAM [Sch10a]. ERRatum [HWM11].
error [eBH11]. ES5 [DFHF15]. Escape [SLES15, SLE+17]. estimation [LMK16].
etched [VSG17]. Ethereum [Dan17].
eval [Mil13, RMRM12]. Evaluating [BLH12, MDHS10]. Evaluation [GBC12, JMB12, OCFL14, TTS+10, Wan11, CK17, MRA+17, MD15, WH17+17].
Evaluator [JB12]. Event [KW11, MV16, BBP13, KW10, MTL15, WK12, YP10].
event-based [BBP13, YP10]. event-driven [ML15]. EventBreak [PSNS14].
Exceptionization [YKM17]. Exceptions [ASF17, AdCGGH16, HDM17, SMN+12, ZBB17]. Execution [OwKPM15, JJL17, JiED11, LLL13, RCB17, SPPH10].
execeptions [AsdMG14, PPS16, STR16].
exe cutives [RS12]. Exemplar [ZW13]. exhaustive [DHS15]. exhibitionism [VBMDP16]. existential [AT16].
Experience [ABMV12, OW16, Sch10a, CBLLF12, TRE+13, WT10]. experiment [MDS+17, HWLM11]. explicit [NGB16].
Expression [NS12, PIR17]. expressions [GK15]. expressive [VYY10]. Extended [DDDF17, FGR12, FLL+13, JC10, LMK16, PDP+16]. Extending [AC10, BBGVEA11a, LPA13, PTHH14].
Extensible [ZlvdS17, ER14, KMLS15, MBB10]. Extension [RS12, LE16, MLGA11].
extensions [Zha12]. Extensive [Wan11].
Ext racting [CCA+12, KM10]. Extremal [LTD+12]. eye [Guy14].

F [GMT14, TTD12]. F-bounded [GMT14].
F-MPJ [TTD12]. FAA [Sch10].
FACEADE [NB+15]. face [XHH12].
Fast [CSGT17, HyG12, SM14, SLF14, BB17, KMMV14, KCP+17, MDM17, MBB10, S15b].
Faster [BMDK15, JC10, AJL16]. fault [RBL12].
Faults [SRTR17, ZK13]. Featherweight [RVR14]. feature [AH10, KVR14, OJ12].
feature-based [KVR14]. Feedback [NED+13, NG13, WM10].
Feedback-directed [NED+13, NG13, WM10]. fields [PQTGS17].
FIFO [QSaS+16]. filtering [HHT12]. find [Ryu16].
Finding [XMA+10]. Fine [BBVHAADF11, DRN14]. fine-grained [DRN14].
Fingerprints [MSK16]. Finite [BLH12, MB12]. Finite-State [BLH12].
first [SC16, TSD+12]. first-class [SC16, TSD+12]. fix [TPG15]. Fixing [SRTR17, LTZ14]. flexibility [SBF+10].
Flexible [ES14, SM+16, KCP+13, RHN+13, BCD13, KHR11, ZW10]. Fluent [LTZ14]. Floating [JAF13, AJL16].
Floating-Point [JAF13, AJL16]. Flow [ASF17, FHSR12, LMK16, SS12, AdCGGH16, AF12, ABF14, B14, FWDL15, HBS16, KHL+13, LSW16].
Flow-sensitive [LMK16]. FlumeJava [CRP+10]. fly [UJR14]. folding [JPS14].
Footprint [GS12, WHIN11]. foreign [LWH+10]. forge [Ler10]. fork [MZH10].

fragmentation [PZM +10]. fragmentation-tolerant [PZM +10]. fragments [OA17]. frames [SJPS10].

Framework [CCA +12, FFF17, LM15, RBL12, Ame13, AC16, DDF17, ER14, FRGPLF +12, JEC +12, KMLS15, PKO +15, RR14, STY +14, ZW10, ZDS14]. frameworks [PPMH15]. Francisco [KP15].

free [DTLM14, FC11, GK15, HHB +14, NFV15]. free-form [GK15]. free-lunch [DTLM14].

frequency [ZWSS15]. Friendly [RBL12].

fringe [MB12, MB12]. Full [SRTR17, DRN14]. Full-Word [SRTR17].


Game [MT14, Wan11]. Gap [PVB17, ZLHD15]. Garbage [AV+16, BH12, GTS +15, QSaS +16, Sch13, SKBL11, AGGZ10, BCR13, BP10, BVGVEA10b, BOF17, GTSS11, KPHV11, KBL14, NGB16, PZM +10, PDPM +16, Puf13, SP10a, SBB14, SLJ10, UY10, UJR14].

garbage-collection [Sie10]. GC [NGB16, RGM13]. GEMs [BSMB16].

general [CHMY15]. generalized [WT10].

Generating [HJS +10, RDP16, GRF11, KS14, MHB013].

Generation [BE17, CRJ +10, PPMH15, PSNS14, RO12, UMP10].


generics [AS14, Gri17, PBMH13]. Genetic [YC12]. Genotyping [YC12].

GeoGebra [ABK +16]. geosciences

[MCY +10]. German [Sch13]. get [Ame13].

Getaway [SLES15, SLE +17]. Gets [BH12].


Goldilocks [EQT10]. Good [dGrdB +15].


granularity [CZ14]. Graph [dMRH12, BS13]. Graphical [SLS +12].

Graphics [Cec11, LLL13]. graphs

[AdCGGH16, DSEE13, JWMC15, PUL016].


GUI [CNS13, VGS14, WBA +11].


Guidelines [GGZ +15, HLSK13].

Handling [KW11, ECS15, HWM14, KW10, KW12]. happened [Han15]. happens [TD15].
happens-before [TD15]. hard [Puf13].

Hardware [SKKR11, SPS17, CBGM12, IN12, SE12].

hardwired [OUY +13]. hash [SV15a, SV15b]. hash-array [SV15b].

hashing [GRF11]. HDFS [IRJ +12]. HDL [OUY +13]. heap [CSV15, LDL14, TLX17, Tar11, VYY10, YS10, BVGVEA10].

heap-manipulating [YS10]. Helping [RT14]. Hera [MS10]. Hera-JVM [MS10].

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

Heterogeneous-race-free [HHB+14].
eheuristics [LSM16]. Hidding [RBL12]. hierarchy [BS13]. [GSS+16, Hol12, IRJ+12, MSM+16, SWU+15, WN10, Zak10, BRWA14, Hos12, RFBJ14, TTD+11, TGZ17, VWJB10, WWH+17, TRE+13].

High-dimensional [TGZ17]. high-level [Hos12, RFBJ14, VWJB10].


Implementing [FFF17, GM12, WCB16, EEE+13, FBH17, PMP+16]. implications [BRGG12]. implicit [IvdS16, SPAK10]. imply [BRGG12]. Improve [QSaS+16].


Inference [BO13, YHY13, AGGZ10, CGJ+16, HyG12, HMDE12, Zha12]. inferring [AS14, BENS12]. InfiniBand [ETTD12, IRJ+12]. infinite [ASdMG14].


Interfaces [WT11, Cho14, DLM10, LWH+10, PSNS14, WT10]. interference [YDFF15]. International [Hol12, KP15]. interoperability [GSS+16].

Interpretation [BDT10, DLR16, DLM10, DLR14]. Interpretation-Based [DLR16]. interpreter [D'H12, KMMV14].

interpreters [HWW+15, IvdS16, MD15, ZLB14].

Interprocedural [CPV15, FWDL15, ZMY14]. Interrupting [AST12]. intersection [KT15]. intra
WN10, WRI+10, WHV+13, WHIN11, WBA+11, WAB+11, WWS13, XHH12, XR13, Xue12, YP10, YKM17, YDFF15, ZIvdS17, Zak12, ZPI14, ZLC14, ZHL+12, ZXL16, ZKB+16, ZWSS15, ZPL+10, ZDS14, dCMMN12, dMRH12, eBH11, hED12.

**Java-Based**

[AFGG11, SLS+12, SWF12, CJ17, HOKO14, JMO14, KS13, KS14, MB12, MCY+10].

**Java-compatible** [ABCR10].  **Java-like** [BDGS13, BCD13, DJLP10, SZ10].

**Java-to-HDL** [OUY+13], **Java-to-JS** [OYT+13], **Java-to-JavaScript** [LSWM16].

Java.utils.Collection.sort [dGRdB15].

Java/JS [SCH+10b].  **JavaBean** [MZF10a].

JavaCC [GN16].  **JavaCOP** [MME+10].

JavaAdaptor [PKC12].  **JavaFX** [Top11].

JavaGI [WT10, WT11].  **JavaScript** [Ric14, ACS+14, AHK+15, AMW15, BCF+14, BBP13, CEC11, CGJ+16, CBLF12, Cho14, CHJ+12, Dei10, Dei11, DocG12, DHFH15, FMM+11, FM13, FH16, FBH17, FSC+13, FZ17, FOPZ14, GMS12, Guo17, HyG12, HAV11, HBS16, HLSK13, HHS+S13, HC11, KR12, KSW+14, KRH16, KT14, KRI+15, KFBK+15, Kie10, KBL14, KAR012, Kri12, LSWM16, Ler10, LVG10, LPK14, LIA14, LML17, MTL15, MPS12, MGI17, MHL15, MRMV12, MiL13, MM12, NK16, PRL14, PSS15, PKO+15, Ran14, RLBV10, RGEV11, RHN+13, RW17, Ryu16, Srv12a, Srv12b, SDC+12, Sta10, Ste10, SFR+14, TT11, VM15, VB14b, Wal12, WXR16, YW13, Zak10, KCD12, Mei14].

JavaScriptCore [Piz17].  **JAWS** [PKO+15].

JBInsTrace [CZ14].  **JCloudScale** [ZHDL15].  **JCMIL** [dCMMN12].  **JCSI** [ABFM12].  **JCSIP** [WBM+10].

**JDiffraction** [PQTG17].  **JDMM** [ZP14].  **JEqualityGen** [GRF11].  **JET** [LT11].

**JGRIM** [MZF10a].  **Jinn** [LW10+10].  **JIT** [BBF+10, BB17, CMS+12, HW14, IHWN12, JK13, NED+13, RSB+14, WKJ17, ZY+12].  **JIT-based** [BB17].  **JITs** [KRCH14].  **jMarkov** [CRAT+12].  **JML** [CRJ+10].  **JNI** [CDG+17].  **Journey** [Ryu16].  **joy** [FH11].  **JP2** [SSB+14a].  **JPC** [CMM17].  **jQuery** [AM14, PIR17].  **JR** [OW16].  **JR-like** [OW16].  **JRE** [CZ14].  **JS** [AHK+15].  **Js_of_ocaml** [VB14b].  **JSART** [MM12].  **JSetL** [RB15].  **JSON** [BB17].

**JSmordb** [Dei10].  **JTabWb** [FF17].

**JTRES** [HTW14].  **JTRES2011** [RHT13].  **JTRES2013** [Fox17].

**Juliet** [BB12].  **Jule** [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].

**JVMs** [BK14, ZY+12].

K-Java [BR15].  **kernel** [HDK+11].

**Key** [BBB+17, DFR13, JB12].  **key-value** [DFR13].  **keynote** [McK16].

**KiWi** [BBB+17].  **KJS** [FSR15].  **knot** [LBF12].

**know** [DB16, Gra15, Han15].  **Knowledge** [KSPK12, UMP10].  **known** [Han15].

**Kraken** [Ano14].

**Lake** [Hol12].  **lambdas** [UFM15].

**Language** [DLPT14, GJS+13, GJS+14, JC10, KSPK12, MAHK16, Sev12b, SSI13, ABCR10, CMM17, CSS1L6, DAA13, EKR+12, Fei16, GSS+16, Hos12, HWW+15, KRCH14, LWH+10, LE16, MDM17, SC16, SZ10, SNS+14, VB14a, WCG14, WW+17, ZWSS15, dCMM12].

**language-level** [WCG14].

**Languages** [CSGT17, DSM+16, PTHH14, YKM17, AGGZ10, BCD13, CMS+12, EKK+13, ER14, FMBH15, Han15, HBT12, HJS+10, KRR+14, MSL+10, NED+13, PULO16, SPY+16, Zha12].

**LARD** [WCG14].

**Large** [BA17, AST+16, CCFB15, MDS+17, MCY+10, PTF+15, WHIN11].

**Large-Scale**
[BA17, MDS+17, MCY+10, PTF+15, WHIN11]. Larus [DD13]. Latency
Layer [SKKR11]. layered [RCR+14]. lazy
[TD15]. Leading [MS10]. leak
[SS14, XR13]. Leaks [Andi14, RW17].
LeakSpot [RW17]. lean [BRGG12, SV15b].
Learn [RT14]. Learning
[Pau14, RT14, CNS13, KC12]. learnt
[GY16]. Legally
[Sam12]. length [SMP10].
Less [BNE16]. Level [AC16, SWU+15],
Hos12, IIW12, KBL14, MGI17,
RFBJ14, TTD+11, VWJB10, WCG14].
Lexical [NGN16]. Libraries
[BK12, RDCP12, BCR13, Cho14, EKR+12,
PMTL14, TTD+11]. Library
[OCFL114, WN10, CMM17, PPM+16,
PQTG1, TQ17]. License [GD12]. Life
[Esq11]. LIFT [BTR+13]. Lightweight
[BW12, KBL14, KKK+17, RO12]. like
[BDG13, BCD13, DJLP10, PMTL14, SZ10,
VGS14, OW16]. Lime [ABCR10]. line
[SV17]. linearizability [LTZ14]. lines
[BTR+13, KATS12]. linguistic [UR15].
Linux [Ric14]. Linux-basierte [Ric14].
Listener [JH11]. little [Han15]. liveness
[LDL14]. load [PDP+16]. loading
[WGF11]. local [DDF17]. localised
[SP10b]. locality [JHH10, OJ12]. localize
[ZZK13]. location [CNS10]. Locators
[SDM12]. Lock
[FC11, NM10, NVF15, UMP10]. Lock-free
[FC11, NVF15]. Locking
[GGR17, JTO12, GGR14, GGR15].
locks [SPS17]. logging [CJ17]. logic
[GMS12, SD16b]. loop [DD13, HW1+12].
Loops [RD15, LLL13]. loss [WHIN11].
Low [ETR+15, GM12, SWU+15, WCG14,
ZHC15, ZFK+16, BCR13, XMA+10].
Low-Budget [GM12]. Low-latency
[ETR+15]. Low-level [WCG14].
Low-overhead [ZHC15, ZFK+16].
low-utility [XMA+10]. lunch [DTLM14].
m [MZC10b]. m-JGRIM [MZC10b]. M2M
[Pau14]. Machine [LYBB14, Ame13,
CBLF1, KS13, KC12, Piz17, SSMD10,
WGF11, WHV+13, BZD17, LYBB13a,
LYBB13b, PTHH14, SSB+, Sch13, Set13,
SMSB11, SGB12, SSD1b, SSB1b, UR15].
Machines
[AGR12, GTS+15, JK13, KRC14, NK10].
macros [DFH15]. Magic [SP10b].
Magic-sets [SP10b]. Magnitude [BNE16].
Making [Loc13, Sta10, PS11]. malformed
[SH16]. Malicious [KCD12]. malleable
[MZC10]. malware [CSK17]. Managed
[MAHK16, BM14, CBGM12, GTL+10,
ZvdS17]. Managed-Language [MAHK16].
Management [Pau14, AHK+15, BVGV14a,
HB13, KCP+17, KB17, Nil12b, PCL14,
SWB+15, Tar11, GWG+11]. manipulating
[YS10]. Manipulation [MS14]. manual
[KCP+17]. many [GTS11]. Map
[BBB+17]. mapped [SV15b]. Mapping
[LT+12, UR15]. MapReduce
[LZYP16, RFR14, SKBL11]. maps
[NVF15]. mashup [ETR12]. masses
[IvdS16]. mastering [Sub11].
Mathematical [BW12]. MATLAB
[Alt12, FBH17, PMTL14, VF10, Has12].
MATLAB-like [PMTL14]. matrix
[HH17, TQ17]. matters [DB16]. Maxine
[WHV+13]. ME [GM12, XHH12].
ME-Based [GM12]. mean [Rub14].
measurement [YW13]. Measuring
[DW10, DTL14, Gra15, JH11].
mechanical [ZZK13]. mechanised
[BCF+14]. Media [Bro12]. meets
[KHL+13]. Memento [CPST15].
memoization [TPG15]. Memory
[BG17, JYK12, MSM+16, SS14, AHK+, AHK+15, AGGZ10, BSM16, CWW13,
DLZ+13, DVL13, FC11, FF10, GYB+11,
HHB+14, HB13, KHL+17, KCP+17, KB17,
Loc13, MSM+10, Nil12b, OMK+10, RW17,
SMS+12, SMN+12, SWB+15, SV15a, Tar11,
TVD10, GWG+11, XR13, ZP14, ZHC15].
Sie10, SZ11, TTD12, Taf13, VYY10, WN10].

Parallelisation [GS11]. Parallelism
[NKH16, BENS12, HHSS13, MZC10a, RHSD15, TDLW12, ZLB+13].

Parallelization [SS16, YRHH13].

Parallelize [LPA13]. Parallelizing
[NKH16, hEYJD12]. parameters [GBS14].

Parallel Platform [AGGZ10, PULO16, UTO13].

Parallelism [GS11].

Parallelisation [KP15]. ParTejas [MKG+17]. Partial
[CSK17, JB12, SGD15, SB13, MD15, TD15, WGF11, WHH+17]. Partial-Order
[SGD15, TD15]. Partially [BLH12, BCR11].

Partitioning [AD16, BS12]. party
[FOPZ14, LVG10], passing
[ETTD12, TRTD11, TTD12, UR15]. Path
[SGD15, DD13, HHS13, SMP10].

path-length [SM10]. Path-Sensitive
[SGD15]. Pathfinder [RR14]. pattern
[GS+15, SADB+16]. patterns
[BVGVEA11b, Ste10]. PayPal [Ano14].

PCR [YCYC12]. PCR-RFLP [YCYC12].

PE [JL12]. PE-KeY [JB12]. application
[LBF12]. C [NED+13]. HTM [CHM16].

Join [MZC10a]. JSP [Sch10b].

multi-threaded [Taf13]. perceptible
[JH11]. Perfect [SLE+17]. Performance
[CCH11, DR10, GBC12, Hol12, HJ12,
MSM+16, Oak14, OCFL14, QSaS+16,
TRE+13, TPG15, THC+14, WN10, ACS+14,
AAB+10, BRG112, BRWA14, CBG12,
Dei11, GSS+16, HWI+12, IRJ+12, JH11,
ODL15, PSNS14, SE12, TTD+11, TWX+10,
WHIN11, WWH+17, Zal10].

performance-guided [PSNS14].

permission [HTB12, SNS+14]. permits
[PPS16]. Perspective [YHY13]. pervasive
[MHM10]. PHALANX [VYY10]. phase
[KC12]. phase-ordering [KC12].

phoneME [RDCP12]. Phosphor [BK14].

PHP [TTS+10]. physics [JEC+12]. pickler
[MHB013]. pickles [MHB013]. pipeline
[LPA13]. pipelines [CRP+10]. Pivot
[AD16]. place [DVL13]. Plan [DLZ+13].

Platform [AFGG11, PE11, BD17, CRJ+10,
GMC+13, MKZ+14, PWA13, YP10].

Platforms [DR10, Has12, BP10, JMO14, KSR14].
PLDI [FLL+13]. pluggable [MME+10].

Point [Jaf13, AJL16]. pointer [TL17].

pointers [AT16]. Points
[BK12, SDC+12, DHS15, SBK13, TLX17].

Points-To
[SDC+12, DHS15, SBK13, TLX17]. Policies
[FHSR12, MPS12, BVGVEA14a]. policing
[DW10]. policy [JK13]. polyglot [EV13].

Polymorphic [Zh12]. polymorphism
[GMT14, PULO16, UTO13]. POPL
[BCR13]. Popular [Has12].

Popular-but-Seemingly-Dissimilar
[Has12]. portable [RGM13]. portable
[Mcy+10]. Power [MV16, Fau14, BRGG12,
CBG12, THC+14]. pp. [Bro12]. PQL
[RS12]. Practical [JACS10, SLES15, VS10,
WHH+17, FIF+15, WT10]. Practice
[HT11, AS14, LWC17, TRE+13].

practices [CJ17, YW13]. pragmatic
[RO12]. pre [SBK13]. pre-processing
[SBK13]. Precise [PIR17, XR13, BHSB14,
HyG12, PG12, RGM13, TLX17]. precision
[RBS+14]. Predicate [PL12]. Predicting
[BSA14, RVK15]. prediction [ZWZ+14].

presence [ZBB15]. preserving [AK13].

pressure [DTLM14]. pretenuring [BOF17].

Preventing [MSSK16]. Primer [YCYC12].

primitives [BJSB12]. Principles
[GBCA11, JEC+12, VM10]. Printing
[AJV16]. Prioritized [NGB16]. Priority
[ASV+16, HMD12]. Privacy [And14].

Proactive [CL17]. PROB [YP10].

Probabilistic [RBV16, SY6, ZWZ+14].
Problem [YHY13, ZW13, J+12, KC12].

problem-solution [J+12]. problems
[TGP15]. Proceedings [Hol12, KP15].

Process [SK12, AGR17]. Processes
[BMDK15]. Processing
[LLL13, WN10, SBK13, SSG+14, UJR14].

Processor
[TKL+15, Puf13, SPPH10, SMN+12].
Processors [ASV +16, MKG +17].
producers [DAA13]. product
[BTR +13, KATS12, KvRHA14, SV17].
product-based [KvG14], production
[RGM13]. professionals [JACS10]. profile
[VSG17, WKJ17]. profiler [DTLM14].
profilers [MDHSL10]. profiling
[DD13, JH11, NK10, RCB17, SSB +14a, STY +14, THC +14, XR13, ZBB15].
Program [KKW14, RVK15, RT14, ZKB +16, AO11, DS16, GMS12, HCN14, JJJ17, JWM15, KM10, KMZN16, MKZ +14, NS13, SCH10a, SPY +16, TABS12, WGF11, ZMG +14].
Programmable [OA17, AYZI10].
Programmers [Esq11, Rau14].
Programming [AFGG11, ABMV12, BCR11, Bro12, BA17, DLPT14, HWMI11, HGCA11, Köl10, KSPK12, LM15, MK16, PTML11, RS12, RB15, SS13, Sub11, Alt12, AMWW15, BCvC +13, BMRL14, BSMB16, BRWA14, CL17, ECG12, EV13, FMBH15, Han15, HA13, Hav11, Lew13, MSM +10, OW16, PTF +15, RVP11, RFB14, SNS +14, SGG +17, TB14, UFM15, VWJB10, VBAM10b, Wan11, WRF +10, WBA +11, ZWS15].
Programs [AGR12, BH17, BR12, BM10, GS11, JB12, LDT +12, SS12, SD12, ZLCW14, ASQ16, MG14, AcCGG16, BA12, BNSI2, DL1P10, EC15, ES14, EP14, Fer13, HL13, IN12, LO15, LPA13, MRMV12, NG12, OJ12, PL12, RR14, RAS16, RLBV10, SNS +12, SZ11, SJPS10, SH16, Taf13, YS10, dCMMN12, eHD12]. progress
[Sie17, ZHCB15]. Project [Wan11].
Proofs [BMOG12]. propagation
[IvdS16, PQG17]. Properties [BO11, RVK15, SS12, FWDL15, SD16b, YS10].
Protecting [MPS12]. Protein [YHY13].
Protocol [GM12, FGR12]. prototyping
[PWA13]. Provably [AdCGGH16, DJLP10]. providing [O16]. proving
[AGH +17, Ta13]. Proxies
[VM10, EU13, KT14]. PSE [KS15]. pseudorandom [PPLH15, SL14]. pure
[SS16]. Purely [RS12, NVF15].
Purely-Declarative [RS12].
purely-functional [NVF15]. purity
[HMDE12]. Python [Ric14].

Quality [BNP11, CCFF15, WKJ17]. Quantitative [CPV15, GYB +11, MRA +17]. queries [GK15, MRA +17, SGG +17]. query
[FWDL15]. question-queries [FWDL15]. questions
[KM10]. Quicksort [AD16].

R [KMMV14, NL14, SLS +12, Vit14]. Race
[EP14, RD15, EFT10, HBB +14].
race-aware [EFT10]. races
[FF10, WCG14, XZ13]. Racket [YK14].
re [RJ15]. Range [BS12]. rapid
[PWA13]. raw [HH13]. rays [SBF +10].
RCDC [DNB +12]. RDMA
[ETR +15, IRJ +12]. RDMA-based
[IRJ +12]. RDMA-enabled [ETR +15]. re
[NCS10]. re-location [NCS10].
Reachability [NS13]. reactive [BCvC +13]. read
[NM10]. read-only [NM10]. Reading
[Jaf13]. ready [RHSD15]. Real
[BVEAGV10, BB +17, Fox17, HTW14, KW11, NIII2a, Pau14, SLES15, SLE +17, VK12, BCR13, BVGVEA10, BVGVEA11a, BVGVEA11b, BVGVEA13, BVGVEA14a, BVGVEA14b, CRAJ10, DW10, EABVGV14, GMC +13, HTLC10, KHM +11, KPHV11, KnGS +14, KW10, KSR14, MDS +17, PS10, PZM +10, PSW11, fet13, RHT13, SPI10, Sie10, SPS17]. Real-Time
[BVEAGV10, BB +17, Fox17, HTW14, KW11, Pau14, SLES15, SLE +17, VK12, NIII2a, BCR13, BVGVEA10, BVGVEA11a, BVGVEA11b, BVGVEA13, BVGVEA14a, BVGVEA14b, CRAJ10, DW10, EABVGV14, GMC +13, HTLC10, KHM +11, KPHV11,
KvGS+14, KW10, KSR14, PS10, PZM+10, PSW11, PuF13, RHT13, SP10a, Sea10, SPS17.

realtime [OUY+13]. Reasoning
[LN15, ABK+16]. Recaf [Bvds17], recipes
[J+12]. recompilation [NED+13].

Reconfigurable
[OY+13, STY+14, OIA+13]. reconstruction [LWM16]. Recovering
[CRAJ10]. Reducing [MV16, WHIN11].

Reduction [BO12, TD15]; redundant
[HLO15]. Refactoring
[AS14, ZHL+12, FM+11, FM13]. Reference
[Sch14, UJR14, HMDE12].

refinement [GY16, JLP+14, KSW+14, ZMG+14, ZFK+16]. Reflexes [SPP+10].

regions [AC10]. register [ZYZ+12], register-based [ZYZ+12]. Regression
[Mi12]. regular [PJR17]. reification
[RRB17]. Reified [GSB14]. Reim
[HMDE12]. ReImInfer
[HMDE12].

relation [TD15]. relational [MLGA11].

relationship [SH12]. relaxed
[DNB+12, KHL+17, PPS16].

relaxed-memory [KHL+17]. Release
[Ano14]. reliability [HWM11]. relying
[IN12]. Remodularizing [OJ12]. Remote
[BVGVEA10, BVGVi14a, BGBK12, GSD+15, BVGVEAGF11]. removal
[MRMV12, WGF11]. removing [PLR14].

rename [FM13]. repair [MDS+17, SHU16].

repeatability [Vit14]. replacement
[BCD13]. Replay [BH12]. replication
[CJ17, UY10]. replication-based [UY10]. report
[CBLFD12, Sch10a]. Reports
[OW16]. repository [HC10].

reproducibility [Vit14]. reproduction
[SR14b]. requirements [AGGZ10].

ResAna [KvGS+14]. Research
[ADI13]. responsive [SPP+10].

responsiveness [PSNS14]. restart [CNS13].

Retention [ZMM+16]. Rethinking
[Xue12, RCR+14]. retrofitted [TTS+10].

retrofitting [LPK14]. reusable
[HIC10, MME14]. reuse [WR10]. Reverse
[CA+12]. Review [Bro12]. Revisited
[Mei14, Gon11]. rewriting [HLO15]. RFID
[AYZ10]. RFLP [YCYC12]. richer [CV14].

rigor [Vit14]. Rigorous [AGR17]. risk
[MPM+15]. River [HHS13]. RJ [OW16].

Road [RXK+17, SWU+15]. Robotic
[LH15]. Robots [VWF12]. Robust
[VM15, VDV17, MKZ+14, SGV12, VM10].

row [Lei17]. row-typed [Lei17]. RTSJ
[ZW10]. Rubah [PVH14]. rule [QLBS17].

Rules [CCA+12, HLO15]. run [WAB+11].

run-time [WAB+11]. Running
[HCl11, TXW+10, YK14]. runs [FIF+15].

Runtime
[BLH12, MAHK16, MSS10, NBW+15, OCFI14, XMA+14, BRGG12, EQT10, GTL+10, GSS+16, LMK16, MS10, OOK+10, PKC+13, RO12, STY+14, TWS10, VBAM10a, YRHBL13, dCMMN12].

runtimes
[BMI14, CSV15, RCR+14, WWH+17].

Safe [Eug13, GvRN+11, JTO12, MPS12, RSF+15, SWB+15, WAB+11, IIJS+10, HAW13, KHR11, KMLS15, KCP+17, Loc13, RDP16, WWS13]. Safety
[RS12, WCB16, ZLCW14, AGR17, GMC+13, Nil12b, PG12, SD16b, Taf13, YS10, CWW13, HL13, LWC17, WK12]. Safety-Critical
[WCB16, ZLCW14, RS12, AGR17, CWW13, LWC17]. Salespoint [ZDS14]. Salt [Hol12].

SAM [BO13]. San [KP15]. Same [MPS12].

Satinn [VWJB10]. SAW [CFH+13].

Scaffolding [RTJ14]. Scala [SMS+12, AT16, Hin13, Lew13, PTML11, SMSB11, SMS+12].

Scala-Based [PTML11]. Scala.js [DS16].

Scalability
[CCH11, AAB+10, DSEE13, GTSS11].

Scalable
[BBB+17, BS12, DFR13, GGRSY17, HC11,
SV17, XR13, YRHBL13, ZZK13, ZHCB15, ZDS14. Solidity [Dan17]. Solution
[KS15, J+12]. Solving [SED14, FMBH15]. Sound
[BO13, LE16, BHSB14, ELW15, PPMH15]. soundly [BS13]. Source [BSA14, GD12, SRTR17, SED14, AK13, CJ17, DRN14, FMS+11, OJ12, PMP+16, ZWSS15].
[Rau14, Sam12]. Special
[DL13, HL13, HGCA11, Pu13, HTLC10, RHT13, HTW14, VK12]. specialization [KRR+14, SV15a]. specific
[CSiL16, EEEK+13, HWW+15]. Specification [GJS+13, GJS+14, IF16, KW11, LN15, LYBB13a, LYBB13b, LYBB14, TWHN12,BVGVEA11a,BCF+14, KR12, KW10, MRA+17, YP10, dCMMN12]. specifications [BENS12, TVD10]. 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 [FIR+15]. SSNTDs
[VSG17]. Stability [BSA14, LL15].
stabilizing
[hED12]. stack
[KRC14, Xuc12]. stack-based
[KRC14]. stage [WRT+10]. staged
[SC16]. staging
[RO12]. standard
[LMS+12]. Standardization
[TWN12]. StarL
[LM15]. State [AGR12, BLH12, MvDL12, MS14, GN16, YP10]. state-
[YP10]. statecharts
[MS13]. statement
[PLR14, ZWSS15]. statements
[PLR14]. Static
[BNE16, JC10, MTL15, ODL15, PiLCH11, RD15, SW12, SH12, AM14, CGJ+16, Fer13, FLL+13, IF16, KSW+14, LS11, MHR+12, PIR17, TLMM13]. statically
[BTX+13, NED+13]. statistical
[Bra14, ZFK+16]. statistically
[PPMH15]. statistics
[HCN14]. stealing
[KFB+12, TWL12]. STM
[CHM16, Sub11]. STM/HTM
[CHM16]. stochastic
[CRAT+12]. Stop
[LWB+15]. Storage
[Hol12, VDV17]. Store
[BS12, Sta10]. stores
[DFR13]. Study
[Ano14]. strategy
[BMR14]. strategy
[PDP+16]. Stream
[KBPS17, MV16, BRWA14, SSG+14]. streaming
[MRA+17, STCG13]. StreamJIT
[BRWA14]. StreamQRE
[MRA+17]. streams
[SGG+17, UFM15]. Strength
[KCD12]. String
[HOKO14, CSHK17]. Strings
[HWM11, HWM10, LSSD14]. strong
[UMP10, ZHCB15, ZBB17]. structure
[LO15, UMP10]. structured
[LSWM16]. Structures
[GT10, XMA+10]. Studio
[RT14, FH16]. Studio-Based
[RT14]. Study
[ZMM+16, BRGG12, CCFB15, CJ17, ECS15, KFBK+15, MHR+12, NCS10, OMK+10, PTF+15, SH12, VBDPM16, WXR16, YW13].
style
[UFM15]. substitute
[PPMH15]. substrate
[GT10+10]. subtypes
[HL13]. Subtyping
[LN15]. suite
[SMBS11, BB12]. Suites
[GGZ+15]. Summaries
[BH17]. Superblock
[KS13]. Supercharged
[Cec11, GBS13]. Superposition
[HD17]. supertype
[RRB17]. supervenience
[Rez12]. Support
[CSTM17, KKK+17, BVGVEA13, DVL13, GMC+13, Hos12, NGB16, SMN+12].
supported
[FMM+11]. Supporting
[LVG10]. Surgical
[RSB+14]. surprises
[FMBH15]. survey
[BCC13]. SurveyMan
[TB14]. surveys
[TB14]. suspension
[TWL12]. sweeping
[KBL14]. Sweeten
[DFHF15]. Swift
[YZ+12]. SWIM
[Sch10a]. symbol
[Tar11]. synchronobench
[Gra15]. synchronisation
[CHMY15, WBM+10]. synchronization
[DHM+12, Gra15, Sub11]. Synchronized
[BG17]. Synchronized-by-Default [BG17].
Synchronous [BVEAGVA10, SK12].
syntactic [LE16, QLBS17]. Syntax
[SS13, KMMV14]. synthesis
[SR14a, STR16, SS16]. synthesizable
[ABCR10]. synthesizer
Synchronized-by-Default [BG17].

RTE [DLPT14, Fox17, HTW14, JMB12, LM15,
[BG17, BSA14, BNE16, CCH11, AYZI10, AGR17, BDB11, ELW15, HA13,
HDK+11, HWLM11, KR12, MS10, STY+14, TLL11, Nil12a]. systematic [TD15].

Systems [BG17, BSA14, BNE16, CCH11,
DLPT14, Fox17, HTW14, JMB12, LM15,
RTE+13, SLES15, SLE+17, AT16, DW10,
FH16, HDI17, HWI+12, HTLC10, LPGK14,
MHR+12, MAHI2, OIA+13, PDPM+16,
RHT13, SSMGD10, SH12, TTD12, TWX+10,
THC+14, UIY10, Vit14, YRHL13, VK12].

Tableau [FFF17]. Take [Kie10]. Taking
[SWU+15]. Tales [Sew12]. talk
[Piz17, Sie17]. Taming [TLL11, SC16].

Tardis [BM14]. task
[Fee16, TWL12, ZLB+13].
TaskLocalRandom [PPMH15]. tasks
[HAW13, PPMH15, SPP+10]. Taurus
[MAHK16]. Taxonomy [SS14]. Teaching
[HA13, SWF12, CHM13, ZDS14]. teasing
[LBF12]. Techniques [RD15, EV13, KS13].

Technologies [Fox17, HTW14, VK12,
HTLC10, KFBK+15, NL14, RHT13].
technology [NED+13]. TeJaS [LPGK14].
Template [MME14, HJS+10]. templates
[FOPZ14, AK13]. term [AHK+11].

Terminating [FFF17]. Termination
[BMOG12, RDCP12, BSOG12, SMP10].
Test [BB12, GGZ+15, PNSN14, SR14a].
tested [Mii13]. Testing
[Ame13, BR12, Hin13, MM12, CSS+16,
CNS13, Ler10, TD15]. tests
[AÖ11, NYCS12, SRJ15]. Textbooks
[BNP11]. their [RPD16]. theorem [SSH17].
There [Esq11]. thin [PPS16]. thin-air
[PPS16]. things [McK16]. Think [WR10].
third [FOPZ14, LVG10]. third-party
[FOPZ14, LVG10]. THOR [TWX+10].
Thoth [KB17]. thread [BKC+13, CRAJ10,
MG117, PCL14, PG12, SS10, YDFF15].
thread-level [MG117]. threaded
[DSEE13, JTO12, SE12, Tafl3]. threads
[UR15]. Three [ZMM+16, Vit14].

TigerQuoll [BBP13]. Time
[BBEAVGA10, BBB+17, BLH12, DLR16,
Fox17, HTW14, JMB12, Kie10, KW11,
Pau14, SLES15, SLE+17, VK12, BCR13,
BM14, BVGVEA10, BVGVEA11a,
BVGVEA11b, BVGVEA13, BVGV14a,
BVGV14b, CRAJ10, DW10, EABVGV14,
GMC+13, HTLC10, KHM+11, KPHV11,
KHL+13, KvGS+14, KW10, KSR14, LMK16,
MG117, Nil12a, PS10, PZM+10, PSW11,
Puf13, RHT13, SP10a, SPPH10, Sie10,
SPS17, SH12, TTS+10, WAB+11].
time-travel [BM14]. time-triggered
[EABVGV14]. times [DW10]. timing
[AGH+17, LS11]. TIMP [SLR+12]. tiny
[Xue12]. tolerant [PZM+10]. Tool
[FMM+11, PQD12, SW12, ABFM12,
CRAT+12, ETR12, KSR14, LS11, TWX+10].

Tool-supported [FMM+11]. Tools
[Bro12, ABK+16, VBAM10b]. toolset
[KvGS+14]. top
[RVP11, SGG+17, ZMNY14]. top-
[SNG+17]. top-down [ZMNY14]. Topics
[HOR11, Jen12]. topology [DDM11]. Trace
[HWM14, P1LCH11, SR14b, BBF+10,
HWM13, HWI+12, IHWN12, WHIN11].

trace-based
[BBF+10, HWM14, HWI+12, IHWN12].
tracer [CZ14]. traces [BA12, RGM13].
Tracing [BP10, DLR14, DLR16, MD15].
track [VSG17]. TrackEtching [VSG17].
Tracking [SCD+12, KHL+13, OOK+10].
Tracks [RGM13]. tradeoff [UTO13].
Traffic [RXK+17]. Trail [HHSS13]. Train
[MSK16]. training [KMN16]. trait
[BCD13, VM15]. traits [BDGS13, BD17].
transactional [DVL13, FC11, ZHCB15]. Transactions [DcSG12, CHM16, DFR13].
transformation [AST+16, PDDD17]. transformations
[AK13, MHH10, PMP+16, TL17].
Transforming [dMRH12]. transitioning [HWM14]. Translating [RFRS14].
Translation [BO12, LSWM16].
translations [UTO16]. translator [LZYP16]. Transmission
[PE11, BVGVEA11b, BJBK12].
transparent [BDB11]. travel [BM14].
traversals [ODL15]. Tree
[Lyo12, HLO15, KMMV14]. trees [RBV16].
Trends [MS10]. trie [SV17]. trie-based [SV17]. tries [SV15a, SV15b]. triggered
[EAVGV14]. TRINI [PDMF16].
Trusted [TWNH12, BCFT14]. tuning
[AAB+10, BVGVEA11g, SKBL11].
Turing [Gri17]. Tutorial
[Jun12, Nil12b, Taf13, Zak12]. TV [JMO14].
twitter [Guy14]. Two [Has12]. Type
[BO13, CGJ+16, KSV+14, KAT12, Lei17, SGD15, WT11, ACS+14, AT16, BS13, CMS+12, DLM10, FH16, GBS14, HG12, KMLS15, KRR+14, KRH16, KvRHA14, LPGK14, LE16, MHR+12, SH12, TLL11, Zha12, eBH11]. Type-Based [SGD15].
type-dependent [LE16]. type-safe
[KML15]. typechecking [CL17]. Typed
[BO13, KKK+17, MLH15, CMS+12, KRCH14, Lei17, RDP16]. Types
[BO13, RVB14, SPAK10, BDGS13, CH12, DDM11, HH13, MME+10, YDF15].
TypeScript [Cho14, FH16, RSF+15].
Typing
[FZ17, RSF+15, Sic17, SFR+14, TSD+12].
typy [OA17].
Ubiquitous [MCY+10]. UDP [RR14]. ULS
[FOPZ14]. unbounded [LSSD14].
uncertain [McK16]. Understandable
[MSM+16]. Understanding
[FRM+15, PCL14, QLBS17, Set13, TABS12, VBMDP16, LWB+15, Nil12b].
Undocumented [Alt12, MHR+12]. Unified
[LM15]. uniform [AH10, Eun13]. Unifying
[Has12]. union [KT15]. unprocessors
[KPHV11]. Units [LL13]. universe
[DDM11]. Unix [PVB17]. Unpicking
[LBF12]. Unrestricted [WWS13]. unsafe
[MPM+15]. unsound [AT16]. updates
[PKC+13]. Upper [SW12]. Upsortable
[SGG+17]. uptrees [HB13]. USA
[Hol12, KP15]. usability [FH16, MHR+12].
usage [PTF+15, QLBS17]. Use [Guy14, MPM+15, AMWW15, PBHMH13, Sch13].
use-case [AMWW15]. used [XR10].
useless [FR1+17]. User [Liu14, MvdL12, SLS+12, DAA13, FMS+11, PSN14].
user-defined [FMS+11]. Using
[ASdMG14, BS12, BSA14, BNE16, DLM10, HCN14, KFBK+15, MV16, MSHK16, Pau14, PQD12, SDM12, SLE+17, UMP10, Wan11, XMA+14, YCYC12, BB17, DDF17, FH16, FOPZ14, GBS14, IvdS16, KMLS15, KT14, KC12, LYG10, Lew13, LDM14, PIR17, RAS16, SAdB+16, SSH17, SHU16, YGS14, WBM+10, WRT+10, XR13].
UT [Hol12]. utility [CSV15, XMA+10].
utilization [BRC13].
v [Sam12]. V8 [MG17]. Validating
[HSLK13]. Validation
[SSB14b, CSD16, HCV17, SSB01]. Value
[BBB+17, DFR13]. variables [NS13].
Verifiable [FHSR12]. Verification
[KKW14, KP15, RAS16, SS12, SSB14b, CHMY15, DLM10, HCV17, PSW11, SZ11, SPS10, SSH17, SSB01, dCMNN12].
verification-validation [HCV17]. Verified
[HM12, JLP+14]. Verifier [BDT10, Rey13].
verifiers [SPY+16]. Verifying
[LM15, YS10, SD16b]. version
[FC11, HD17, ZXL16]. vertical [STY+14].
via [DMS11, GGRS15, GGRS17, Hos12, HB13, JWMC15, LSWM16, SS16, TD17].
view [Guy14]. violations
REFERENCES


REFERENCES


Albert:2010:PIM

Antonopoulos:2017:DIS

Arcaini:2012:CCM

Arcaini:2017:RDP

Apel:2010:CUF

Aigner:2011:STM
Aigner:2015:AJE


Andrysco:2016:PFP


Axelsen:2013:PTD


Altman:2012:USM


Andreasen:2014:DSA


Ament:2013:ATG

Ashrov:2015:UCB


Andersen:2014:PLJ


Anonymous:2014:RKS


Arslan:2011:JPM


Altidor:2014:RJG


Adalid:2014:USA


Austin:2017:MFD

[ASF17] Thomas H. Austin, Tommy Schmitz, and Cormac Flanagan. Multiple facets for dynamic information flow with exceptions. *ACM Transactions on Programming Lan-
Afek:2012:ISJ


Alshara:2016:MLO


Amin:2016:JST


Ali:2010:DJB


Bradel:2012:ITJ

References

Brown:2017:NJP

Boland:2012:JCC

Bonetta:2017:FJF

Basin:2017:KKV

Bebenita:2010:STB

Bonetta:2013:TPE

Bu:2013:BAD
Bettini:2013:FDT


Bodin:2014:TMJ


Bainomugisha:2013:SRP


Bettini:2017:XTJ

REFERENCES


[BJBK12]


[BH17]


[BHSB14]


[BIvdS17]
Bond:2013:OCC


Bodden:2012:PEF


Barr:2014:TAT


Bell:2015:VFB


Brockschmidt:2012:ATP


Balland:2014:ESP


[BWA14] Jeffrey Bosboom, Sumanaruban Rajadurai, Weng-Fai Wong, and Saman Ama-


[Bodden:2013:SLS] Eric Bodden, Társis Tolédo, Márcio Ribeiro, Claus Brabrand, Paulo Borba, and Mira Mezini. SPL LIFT: statically analyzing


Cecco:2011:SJG


Carter:2013:SSA


Chandra:2016:TIS


Chugh:2012:DTJ


Carro:2013:MDA


Chapman:2016:HSN


Cogumbreiro:2015:DDV


Chong:2014:CCT

Stephen Chong. Checking correctness of TypeScript


[CL17] Anthony Canino and Yu David Liu. Proactive and adaptive energy-aware program-


**Clifford:2014:AFB**


**Clifford:2015:MMD**


**Chatterjee:2015:QIA**


**Curley:2010:RDT**


**Cote:2012:JPS**


**Chalin:2010:TIG**

Patrice Chalin, Robby Perry R. James, Jooyong Lee, and George Karabotsos. Towards an industrial grade IVE for Java and next generation research platform for JML. *Inter-
REFERENCES


Chambers:2010:FEE

Cordoba-Sanchez:2016:ADS

Choi:2017:SAS

Chawdhary:2017:PES

Chen:2016:CDD
REFERENCES

Cameron:2015:JFE


Cazzola:2014:JBR


Cavalcanti:2013:SCJ


Caserta:2014:JTJ


Diaz:2013:LEU


Dannen:2017:IES

**REFERENCES**

**daCosta:2012:JSL**


**Dhawan:2012:EJT**


**DeBeukelaer:2017:ECP**


**Dietl:2011:SOT**


**Dzialka:2013:BLP**


**DeItcher:2010:JEJ**


Dietrich:2016:WJD


Dam:2010:PCI


DeFrancesco:2010:UAI


DeNicola:2014:FAA


Dissegna:2014:TCA


Dissegna:2016:AIB

REFERENCES

Demange:2013:PBB


DeMol:2012:GTJ


Duarte:2011:ICS


Devietti:2012:RRC


Dietrich:2010:POD


Dyer:2014:DVE

Doeraene:2016:PIW


Bois:2013:BGV


David:2014:CMC


Dias:2013:SIP


DosSantos:2010:MPB


Estevez-Ayres:2014:CSS

elBoustani:2011:ITE


Emerick:2012:CP


Ebert:2015:ESE


Efftinge:2013:XID


Erdweg:2012:GLE


Erdweg:2015:SOI

Sebastian Erdweg, Moritz Lichter, and Manuel Weiel. A sound and optimal incremental build system with dynamic dependencies. ACM SIGPLAN No-
Eslamimehr:2014:RDS


Elmas:2010:GRA


Erdweg:2014:FEL


Eichelberger:2014:FRM


Esquembre:2011:TPL


Endrullis:2012:WEM


Exposito:2015:LLJ

Exposito:2012:DSJ


Eugster:2013:SUP


Evans:2013:WGJ


Foley-Bourgon:2017:EIC


Fernandes:2011:LFS


Feeley:2016:CML

Ferrara:2013:GSA


Flanagan:2010:AMD


Ferrari:2017:JFF


Femminella:2012:EJC


Fogus:2011:JC


Fischer:2016:EIE


Forth:2012:RAA

Shaun Forth, Paul Hovland, Eric Phipps, Jean Utke, and Andrea Walther, editors. *Recent Advances in Algorithmic Differentiation*, volume 87 of *Lecture Notes in Computational Science and Engineering*. Springer-Verlag, Berlin, Germany / Hei-
REFERENCES


Proceedings of the Sixth International Conference on Automatic Differentiation (AD2012) held July 23–27, 2012, in Fort Collins, Colorado, USA.

Fontaine:2012:VCF


Feldthaus:2013:SAR

Feldthaus:2011:TSR


Frantzeskou:2011:SUD


Fu:2014:FDC


CODEN ????. ISSN 2150-8097.

Fox:2017:EJT


Fernandes:2017:AUM


Fdez-Riverola:2012:JAF


[Gerakios:2014:RTP] Prodromos Gerakios, Aggelos Biboudis, and Yan-

[GGGRSY14]

Golan-Gueta:2017:ASA


Gligoric:2015:GCB

REFERENCES

1049-331X (print), 1557-7392 (electronic).


Gardner:2012:TPL


Greenman:2014:GFB


Gupta:2016:LSA


Gong:2011:JSA


Grossschadl:2012:EJI


Gramoli:2015:MTY


Grech:2011:JGE

Grigore:2017:JGT


Giacaman:2011:OOP


Gil:2012:SFJ


Gill:2015:RMD


Grimmer:2016:HPC


Goodrich:2010:DSA


Geoffray:2010:VSM

Nicolas Geoffray, Gaël Thomas, Julia Lawall, Gilles Muller, and Bertil Folliot. VMKit: a substrate for managed runtime

Gidra:2015:NGC


Gidra:2011:ASG


Gunther:2014:ACC


Guo:2017:MJF


Guyer:2014:UJT


Gampe:2011:SMB


Grigore:2016:ARG


[Han15] 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).
Huang:2013:ECS


Hindle:2016:NS


Hedin:2016:IFS


Heidegger:2012:APC


Hsiao:2010:EST


Hughes-Croucher:2011:NRS


Horstmann:2013:CJF

REFERENCES


REFERENCES

CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic). PPOPP ’12 conference proceedings.


[Herranz:2012:VIP] Ángel Herranz and Julio Mariño. A verified imple-
References


Hosking:2012:CHL


Haas:2017:BWS


Higuera-Toledano:2014:EIS


Higuera-Toledano:2010:ISI


Hayashizaki:2012:IPT


Huang:2011:SBA


Iranmanesh:2016:SSE

Islam:2012:HPR

Inoue:2012:AML

Inoue:2012:ISC

Inostroza:2016:MIM

Juneau:2012:JRP

Joseph:2010:PII
Damien Joseph, Soon Ang, Roger H. L. Chang, and Sandra A. Slaughter. Practical intelligence in IT: as-


Ansar Javed, Bibrak Qamar, Mohsan Jameel, Aamir

**Johnsen:2012:SLM**


**Kossakowski:2012:JED**


**Jin:2012:JMM**


**Kastner:2012:TCA**


**Johnson:2015:EES**

REFERENCES

Kunjir:2017:TAM


Kim:2014:LBL


Kiselyov:2017:SFC


Kulkarni:2012:MCO


Krishnaveni:2012:HOJ


Kedia:2017:SFS


Kereki:2015:JAW

Federico Kereki. JavaScript all the way down. *Linux Journal*, 2015(250):1–1:??, February 2015. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-
REFERENCES


...
REFERENCES

Kabanov:2011:DSF

Kienle:2010:ATT

Kim:2017:TAA

Krieger:2011:AES

Kaiser:2014:WAM

Ko:2010:EAW

Karakoidas:2015:TSE
Vassilios Karakoidas, Dimitris Mitropoulos, Panagiotis Louridas, and Diomidis

Krieger:2011:AES

Kaiser:2014:WAM

Ko:2010:EAW

Karakoidas:2015:TSE
Vassilios Karakoidas, Dimitris Mitropoulos, Panagiotis Louridas, and Diomidis


Kedlaya:2014:DDL


Kedlaya:2016:SST


Krishnamurthi:2012:SAJ


Kaufmann:2013:SCO


Krebs:2014:JJJB


Rody W. J. Kersten, Bernard E. van Gastel, Olha
<table>
<thead>
<tr>
<th>REFERENCES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Florian Lorenzen and Sebastian Erdweg. Sound type-dependent syntactic</td>
<td><strong>Lorenzen:2016:STD</strong></td>
</tr>
<tr>
<td>Florian Lorenzen and Sebastian Erdweg. Sound type-dependent syntactic</td>
<td><strong>Lorenzen:2016:STD</strong></td>
</tr>
</tbody>
</table>
REFERENCES


REFERENCES

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


Liu:2014:FFL


Lerner:2010:SDT


Lin:2015:SGU


Luckcuck:2017:SCJ


Lee:2010:JSD

REFERENCES

Lindholm:2013:JVMa


Lindholm:2013:JVMb


Lindholm:2014:JVM


Lyon:2012:JTW


Li:2016:JJM


McIntosh:2012:EJB


Maas:2016:THL

McIntyre:2012:FJB


Martinez:2017:MBA


McKinley:2016:PWU


Mclane:2010:UVI


Marr:2015:TVP


Mytkowicz:2010:EAJ


Mirshokraie:2012:JJA


Mastrangelo:2015:UYO


Markstrum:2010:JDP


Magazinius:2012:SWS


Martin:2014:TCR


Mamouras:2017:SMS


[MZC10a] Cristian Mateos, Alejandro Zunino, and Marcelo Campo. An approach for non-intrusively adding malleable fork/join parallelism into ordinary JavaBean compliant applications. *Computer Languages,


REFERENCES


enhancements/fy1503/2013954669-t.html.

Nakaike:2010:LER


Nikolic:2012:DEA


Nikolic:2013:RAP


Nguyen:2015:FCR


Naik:2012:AT


Omar:2017:PSF


Oaks:2014:JPD

REFERENCES

96

pp. LCCN QA76.73.J38.
URL http://proquest.
safaribooksonline.com/
9781449363512.


Laure Philips, Joeri De Koster, Wolfgang De Meuter, and Coen De Roover.


Pukall:2013:JFR


Piao:2015:JJF


Parizek:2012:PAJ


Papadimitriou:2014:MLS


Park:2014:AAS


Pawlak:2016:SLI

Passerat-Palmbach:2015:TSS


Pichon-Pharabod:2016:CSR


Pham-Quang:2012:JAD


Piedrahita-Quintero:2017:JGA


Pitter:2010:RTJ


Palmer:2011:BJM

REFERENCES


Park:2012:CB


Pradel:2014:EAR


Pinto:2015:LSS


Pradel:2014:EAR

Papadimitriou:2011:SES


Puffitsch:2013:SIP


Petrashko:2016:CGL


Powers:2017:BBG


Pina:2014:RDJ


Plumbridge:2013:BPR

REFERENCES

Pizlo:2010:SFT


Qiu:2017:USR


Qian:2016:EFS


Rayns:2013:CJS


Rehman:2016:VMJ


Rauschmayer:2014:SJD

REFERENCES

Rossi:2015:NPJ


Razafindralambo:2012:FFH


Raychev:2016:PMC


Rosa:2017:APV


Robatmili:2014:MRL


Radoi:2015:ETS


Ramírez-Deantes:2012:MTA

Rhodes:2015:DDO


Reynders:2016:GSB


Reynolds:2013:MJB


Reza:2012:JS


Richard-Foy:2014:EHL


Radoi:2014:TIC

REFERENCES

Richards:2011:ACJ

Ricci:2013:ETP

Richards:2013:FAC

Radoi:2015:WAR

Ravn:2013:EIS

Richardson:2014:BEL

Richards:2010:ADB
Gregor Richards, Sylvain Lebresne, Brian Burg, and Jan Vitek. An analysis


Veselin Raychev, Martin Vechev, and Andreas
REFERENCES


Ricci:2011:SAO


Rudafshani:2017:LDD


Ramamohanarao:2017:SSM


Ryu:2016:JFB


Serbanescu:2016:DPO


Samuelson:2012:LSO


REFERENCES

Schildt:2014:JCRb

Sluanschi:2016:AAD

Sousa:2016:CHL

Sridharan:2012:CTP

Shah:2012:AMJ

Sartor:2012:EMT

Stolee:2014:SSS
[Kathryn T. Stolee, Sebastian Elbaum, and Daniel Dobos. Solving the search for source code. *ACM Transactions on Software
Seth:2013:UJV


Severance:2012:DJO


Severance:2012:JDL


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

REFERENCES


Shan:2012:OAC


Salkeld:2013:IDO


Singer:2011:GCA


Schoeberl:2011:HAL


Stilkerich:2017:PGU


Stilkerich:2015:PGA


Schoeberl:2010:NRT

Spoto:2010:MSL

Serrano:2016:GH

Steimann:2010:TMI

Spring:2010:RAI

Schoeberl:2010:WCE
[Martin Schoeberl, Wolfgang Puffitsch, Rasmus Ulslev...

**Strom:2017:HLR**


**Stefanescu:2016:SBP**


**Samak:2014:MTS**


**Samak:2014:TDD**


**Samak:2015:SRT**


**Scanniello:2017:FFC**

REFERENCES


[SSB+14a] Aibek Sarimbekov, Andreas Sewe, Walter Binder, Philippe Moret, and Mira...


Ivo Santos, Marcel Tilly, Badrish Chandramouli, and Jonathan Goldstein. DiAl:
REFERENCES


**Stefanov:2010:JP**


**Samak:2016:DSF**


**Subramaniam:2011:PCJ**


**Steindorfer:2015:CSM**


**Steindorfer:2015:OHA**

Michael J. Steindorfer and Jurgen J. Vinju. Optimizing hash-array mapped tries


REFERENCES

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


REFERENCES


Tommasel:2017:SJL


Tu:2014:PPP


Tsai:2015:JPI


Thiessen:2017:CTP


Tate:2011:TWJ


Tetali:2013:MSA

Sai Deep Tetali, Mohsen Lesani, Rupak Majumdar, and Todd Millstein. Mr-Crypt: static analysis for secure cloud computations. ACM SIGPLAN Notices, 48 (10):271–286, October 2013. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160
REFERENCES

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).


REFERENCES

**Toledo:2011:ACJ**


**Taboada:2011:DLC**


**Taboada:2012:FMS**


**Tatsubori:2010:EJT**


**Torlak:2010:MCA**


**Tardieu:2012:WSS**


**Toegl:2012:SSJ**

[TWNH12] Ronald Toegl, Thomas Winkler, Mohammad Nau-
REFERENCES


[UMP10] Gautam Upadhyaya, Samuel P. Midkiff, and Vijay S. Pai. Using data structure knowledge for efficient lock gen-
REFERENCES


REFERENCES


REFERENCES

Vikas:2014:MGA


Vitek:2014:CTR


Vitek:2012:ISI


VanCutsem:2010:PDP


VanCutsem:2015:RTC


VanderHart:2010:PC


Varier:2017:TNJ

[VSG17] K. Muraleedhara Varier, V. Sankar, and M. P. Gagadathan. TrackEtching — a Java based code for etched track profile calculations in SSNTDs. *Com-
REFERENCES


VanNieuwpoort:2010:SHL


Vechev:2010:PPC


Wurthinger:2011:SAR


Walker:2012:SNJ

Henry M. Walker. SIGCSE by the numbers: JavaScript. SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education), 44(1):8, January 2012. CODEN SIGSD3. ISSN 0097-8418.

Wampler:2011:FPJ


Wang:2011:EEU


Paul D. Witman and Terry Ryan. Think big for reuse. *Communications of the ACM*, 53(1):142–147,
January 2010. CODEN CACMA2. ISSN 0001-0782 (print), 1557-7317 (electronic).

**Westbrook:2010:MJM**


**Wehr:2010:JBP**


**Wehr:2011:JIT**


**Wurthinger:2017:PPE**


**Wurthinger:2013:USD**


**Wei:2016:ESD**

REFERENCES


REFERENCES


[www.sciencedirect.com/science/article/pii/S0167642315001483]


[www.sciencedirect.com/science/article/pii/S0167642315001483]


[www.sciencedirect.com/science/article/pii/S0167642315001483]
REFERENCES

Yessenov:2017:DAD


Yang:2010:JIP


Yi:2015:SCC


Yiapanis:2013:OSR


Yahav:2010:VSP


Yue:2013:MSI


Zakas:2010:HPJ

Zakhour:2012:JTS


Zheng:2015:APP


Zhang:2017:ACE


Zhang:2015:SYB


Zhao:2012:PTI


Zschaler:2014: SJF


Zuo:2016:LOF

REFERENCES

Zhang:2015:LOS


Zhang:2012:RAJ


Zacharopoulos:2017:EMM


Zheng:2016:CMD


Zhao:2013:INT


Zhang:2014:AIO


Zeyda:2014:CMS

Frank Zeyda, Lalkhumsanga Lalkhumsanga, Ana
REFERENCES


Zabolotnyi:2015:JCG


Zhang:2014:ARP


Zakkak:2014:JJM


Zibin:2010:OIG

Yoav Zibin, Alex Potanin, Paley Li, Mahmood Ali, and Michael D. Ernst. Ownership and immutability in generic Java. ACM SIG-
REFERENCES


Zhu:2013:EAZ


Zhu:2015:APL


Zhao:2014:CSP


Zhang:2012:SRB


Zhang:2016:NVC


Zhao:2014:CSP

Zhang:2013:IMF