Title word cross-reference

N [RKBL19], z [LCZL14].

-Equivalent [LCZL14]. -way [RKBL19].

2002 [Ano02]. 2013 [HP15].

Abbreviated [SRTR17]. ABC [SF18].
Able [HNRA20]. Abstract
[XMA+_14, Jac95a, Pon02]. Abstracting
[Gun00]. Abstraction
[AEK+_16, CF03, Egy02]. abstractions
[BG98, DBGU13]. access [BDL06].
accommodates [YHR92]. Accounting
[SM12]. Accuracy
[ASNB19, CWW+_20, ODE21]. Achieving
[BJMH02, HAB13, LBZ14].
Acknowledgement [ACM05]. ACM
[NP08]. across [CSV13]. action [HN98].
Active [ASNB19, MS15]. Activities
[SHLW21, WFW+_20]. activity [Esh06].
activitycharts [BRG+_01]. Ada
[Dil93, Dil97, DBDS94, YTL+_95]. ADAM
[GL14]. adapt [DPT13]. Adaptation
[SEM17]. Adaptive [BS16, CLBY18, DR11,
SMBO21, HWH14, VTA04]. Addendum
[HT98]. Address [Zav04]. Adequacy
[GRS+_16, KSD08]. Adequate [GGZ+_15].
Admitted [RXX+_19]. adopting [SAB+_14].
Adversarial [KL21]. Affected [VCF21].
against [EWS14, IC14]. agents [MPR06].
Aggregation [SPAS21]. aggregator
[BPT10]. agile [CF10]. AI [OHDB92].
AI-based [OHDB92]. aided [SB06]. AIOps
algebra [ZB13]. Algebraic [SZH+19, HRD08, PPP94]. algebras [BCD02]. algorithm [BS07, YHR92].

Algorithms [DBNG15, ARL+15, HT17, HT98, HVT98, KK93]. aliasing [FYD+08]. alignment [UFG14]. Alignments [TC20]. Allocation [SMBO21]. alloy [FPB+05, MPF14, Jac02]. Algebraic [FDB+12]. Alternatives [KDM17]. Amoeba [DCS09]. among [GL11]. Amplifying [ZE14]. Analyses [CST16, CTA+21, RKBL19, LS13]. Analysis [AMS+18, AEK+16, AGRR19, Bjo19, CFL+16, DG17, EHF20, FCLL21, HNRA20, JZL+19b, LCZL14, DDGR18, MGTR18, PBC10, SEM17, SGD15, SLB+21, VLJ+18, YXK+17, YBL15, ZYW+21, BP98, BGO+14, CS12, CK96, CK99, Cor00, CSX08, DRW06, Dev99, DBDS94, DCCN04, For94, GL14, GM01, GSH07, HKMB+14, He06, HH95, HZZ+13, HT98, HVT98, HN98, LH08, LH02, MRR05, NP08, O092, PTY95, PGM12, RM03, Rob08, SGG+14, Snel96, SRK06, TPT13, WP93, XCKX13, YTL+95, YBL13, FPGA07, MVM07].


GN93, HJL96, HAB+20, JO15, DGD+19, MS14, PGZ+20, RKBL19, STGR21, TM14, WB13, YBL15, BGO+14, CS12, CAC08, FN03, FRB+06, TBS92, XM07, XM08.

Automatically [CGPP15, CF03, DSV03, MGTR18, UKR21, BRRP05, DO93].

Automatically [CMM+15, Mem08, YJW+20, LS13].

Automaton [EM18].

Avoiding [Hie06].

Aware [KAT12, MS15, VLJ+18, DFB99a, DFB99b, MGMM11, WYM20].

B [SB06]. Back [Not13]. Based [AB12, ARL+15, ASMP16, BMM+17, DDE11, GGZ+15, JZL+19b, MWP+21, OKS+16, SMBO21, SGD15, TSPRC18, WB13, YXK+17, ZLW+21, ZZY+21, AAP+20, BDv92, BCTW96, CMP13, CDSM10, CY11, CCX+20, Cia93, CMCP+99, CPPRM03, CW98, CZ19, DBGU13, DBPU13, GGGU21, Ham09, HAB13, KATS12, KKLS02, Kip92, LS13, MWP+21, OKS+16, SMBO21, SGD15, TSPRC18, WB13, YXK+17, ZLW+21, ZZY+21, AAP+20, BDv92, BCTW96, CMP13, CDSM10, CY11, CCX+20, Cia93, CMCP+99, CPPRM03, CW98, CZ19, DBGU13, DBPU13, GGGU21, Ham09, HAB13, KATS12, KKLS02, Kip92, KK04, Kuh99, LY05, LH08, MMST14, Mem08, MB07, MS03, MG00, MFP14, NL11, OPK+21, PBO07, PZS+20, QNR13, RXX+19, RKBL19, SS06, SGE00, SB02, Sne96, TZZ09, TPT13, TTHB06, TD01, TK02, UKM04, WAF00, XM07, XCKX13, XL20, YHC13, ZXX+21, OHDB92].

Baseline [SP18, WOM15]. Basis [AG97, AG98]. Bayesian [PLM15, SMY19].

BDD [HH08]. BDD-based [HH08].

Behavior [FDB+12, DDGR18, SS02, DBGU13, LK14, MG00, PP93, UKM04].


Bootstrap [SMY19]. bound [CM08].

Boundaries [CSV13]. boundary [Hie06].


Bug-Fixing [TWB+19]. Bugs [AMS+18, ZSL+13, Jac95a]. Building [ELN+92, KKL02]. Business [LDUD13, DCS09, ODV+09].

C [BCGB21, CWM+20, DLRA15, SRT17].


Catalog [YBZK21]. Category [CXH+21].

Causing [NL11]. centered [ACF97, DFG01]. Centralised [Hie14].


Changes [DR11, DPB17, PSV01]. Channel [EWS14, GZSW19]. characteristics [CF10, SM12]. Charts [YLS12]. Checker [MWP+21, WYM20, SGE00]. Checking [BHB16, CK99, EBE+14, DDGR18, dFSLV14, BS07, BRPP05, BGL00, CDEG03, Esh06, FM94, FGMP03, HJL96, IW00, JGB12, KATS12, KF07, NEFE03, PBO07, PMS13, SGL12, MAC08, WGGD07, XCCY10]. checkpoint [CY11]. Chef [RRPW21]. Chief [Pez99d, Ros19]. Choice [EW11]. class [BM13, CTCC98, CT01, CCX11, Egy02, LY05, PPP94, ZLX14]. class-level [CTCC98]. Classes [AB12, VCF21, GRT09, HRD08, KB07, Kuh99, Pon02, Tiw08, TK02].
Classification

Classified [WCG+21, DFB99a, DFB99b].

Classifying [OSH04].

cleanroom [TBS92], Clematis [ASMP16],

Client [MS14], Client-State [MS14],

Clone [DER10], Cloud [LJL+20], cluster [CTC01], cmath [BCGB21], co [VD13],

co-installability [VD13], coarse [BRR01],

code [BXX+20, BFFG19, CXH+21, DNRN15, GXG+20, HNRA20, HZBS14, HAB+20, KS20, MB15, OKS+16, PZS+20, PGZ+20, PLM15, SKBD14, SGR+15, SRTR17, SURL11, SED14, WLS+20, YJW+20, ZE14, Dev99, DER10, FMMH+14, MPG+13, PRM01, RM07, SGG+14].

Code-Smell [SKBD14].

Coded [IC14].

Cognitive [SHLW21].

Cohesion [AB12, CBRO16, CSC06, KK04, MB07],

coincidental [Hie06, MA14], collaboration [Sin10, SB02], collaboration-based [SB02],

combinations [HWH14], collection [TM14], Combating [NWB+18].

Combinatorial [NL11], Combining [DBNG15, Hie14, SMAC08, XZZL18],

Comment [CXH+21].

Comments [Bre95, Pet97, ZWCH21], Commercial [ZMM+16], Commitments [EBE+14],

communicating [Bro93], Communication [CCY+21], Communities [ZMM+16],

Community [DR15], comparative [BRR01], Comparing [Hie02, PSW+20, YHC13, XM07],

Comparison [WB13].

Comparisons [GGZ+15].

Competitiveness [YXK+17].

Compiler [MKH11, DFG00].

Complete [MWP+21, XL20], Completion [PLM15, WYMW20], Completion-aware [WYMW20], Complex [BS16],

Component [SEM17, BCC92, CMP13, Ham09, IWY00, VD13], component-based [CMP13], components [BO92, CFM00, DFB99a, DFB99b, ZW97], Composing [BLW09].

Composite [BGL00, KDM17].

Composition [Ost99, Ham09, REM+04, ZJ93],

Compositional [HG+16, CK96, CK99],

Comprehensibility [SGR+15, SGG+14],

Comprehension [MTRK14, RST+14, OSH04],

comprehensive [DvdHT05].

Computing [LJL+20, OHDB92, TC20, EF05, FGL+12, MZ09, RMP97, XCCY10].

Concept [PM12, Sne96].

Concepts [DG17, MG00, SGL12], Conceptual [QT12, TZZ09].

Concerns [MVM07, RM07],

Concurrency [MQLR16, ZSL+13, DL13, YTL+95],

Concurrent [AGRR19, Cor00, DCM+94, DCCN04, HZ13, MRK+97, PTV95],

Conditional [EBE+14].

conditions [KB07, SRK06], Conference [MP14],

Configurable [AMS+18].

Configuration [BNB14, ELvdH+05, Gun00, Jez99],

configurations [Sne96], Configuring [XZZL18],

Conflict [BFFG19, ZSHD20, FN03],

Conformance [ZCT18, Ber94, LK14, PBO07, Pet97],

confounding [XZLC14].

Conjunction [ZJ93], ComMem [ZSL+13], connection [AG97, AG98], connectors [LWF03],

Consistency [SEM17, HJL96, NEFE03, PBO07, XCCY10],

consistent [SS02], Consolidation [LDUD13], constrained [BM13],

Constraint [DBNG15, GWD+21, SSB20, XCCY10],

Constraints [C19, MKW15, QT12, SGG15, CY11, CK96, OO92],

constructing [Hen97].

Construction [ARL+15],

Constructs [KS20], Consumption [LVBBC+18], container [XR13],

containing [CFM00].

Context [CK96, KAT12, KGA+12, LH08, XCCY10, vdBV96],

Context-Aware [KAT12],

context-free [KGA+12, vdBV96],

context-sensitive [LH08], Continuous [BZSW14], Contract [YABL20, ZOJH21].

Contracts
Deterministic [HT17].

Developer
[BFFG19, CCY+21, EHEZ21, SHLW21, WFW+20, CF10, FMMH+14, Sin10].

Developers
[PZS+20, ZWCH21].

Developing [HRD08, TAA+19, ZJW03, ZOJH21, MGMM11]. Development
[BFFG19, CFL+16, GTD21, MS15, ZCT18, AM11, DvdHT05, ESA08, ELN+92, GJ08, KK93, MHF02, PSV01, SCK13, Tiw08].

diagnostic [CDFG96].

diagnosis [NLR11].

diagram [BP05]. diagrams
[BM13, Egy02, Esh06, LK14]. DiaPro
[CST16]. Differential [MLQR16, TCDZ19].

Dijkstra [Ano02]. Directed [YPRK14].

discipline [KLV05].

Discovering
[CW98, GL11]. Discovery
[Böhm18, SPK14, GL14]. discrete [Ost99].

Discussions [EHEZ21]. Distinguishing
[HT17]. Distributed
[BLX+20, FCLL21, GTD21, Hie14, TG11, WME93, KK93, MU00].

distribution
[TS09]. diversity [HAB13]. Do
[CMM+15, LYYC14, SURL11, CAC08].

Documentation
[UKR21, TBS92].

Documenting
[SGR+15]. documents
[SMT92]. Does
[CXH+21, FSM+15].

Domain
[ASNB19, Bjo19, HZS08, ZE14, BJMH02, BAD08, Hie09, JW94, SS06, ZAW92].

Domain-specific
[HZS08, BJMH02, SS06]. domain-testing
[JW94]. domains [Hie02].

Double
[For94]. Driven
[CLBY18, DG17, PVHW17, BDLO6, GL14, GTD21].

DSD
[CSX08]. DSD-Crasher
[CSX08].

Duplicate
[WYMW20]. Duplication
[ZLL+21, DER10].

DynamAlloy
[FPGA07].

Dynamic
[CST16, FCLL21, KMYK19, DDGR18, NKWF14, PXJ17, PSW+20, XMA+14, CY11, DR10, FC00, FPB+05, GSH97, PJRR10].

dynamically
[WGSD07]. Dynamite
[MPF14].

E3
[JPL98]. Early
[KDM17].

Easier
[CMM+15]. Easy
[ZWCH21].

editing
[BGdV92].

Editor
[Pez19d, Ros19].

Editor-in-Chief
[Pez19d, Ros19].

Editorial
[DR15, GMR03, Ghe05, Ghe07, Not07a, Not07b, Not07c, Not08a, Not08b, Not09, Not10, Not12, Not13, GOKW05, Pez19d, Pez19a, Pez19b, Pez19c, Pez20a, Pez20b, Pez21, Ros13a, Ros14c, Ros14a, Ros14b, Ros16, Ros17, Ros18a, Ros18b, Ros19].

Edsger
[Ano02]. Effect
[GRS+16, HZBS14, RST+14, ZSL+13, O89, Sin10, ZXL14].

Effect-Oriented
[ZSL+13]. Effective
[FYD+08, RD15, ZOJH21, CF10, FCLL21, Hen97, REM+04]. Effectiveness
[CST16, CMM+15, GRS+16, MKW15, ODE21, CM08]. Efficiency
[CMM+15, LH02]. Efficient
[AGRR19, AVY11, CWW+20, FPGA07, SRK06, dFLSV14, RH97]. Efficiently
[DL11]. Effort
[SP18, SMY19, WOM15, AM11, BM07, GJ08, MY13].

elaboration
[UKM04]. Eliciting
[JPL98]. Elite
[WFW+20]. Embedded
[BNB14, MFLL12, GGLT07]. Emergent
[LBZ14]. Emoji
[CCY+21].

Emoji-powered
[CCY+21]. Emotion
[CCY+21]. Empirical
[AROK21, AAP+20, CWMM+20, EHEZ21, FSM+15, MBH09, ODE21, RWEB19, TWB+19, VLJ+18, YXK+17, ZHO+18, BM07, BGH07, GHK+01, HT98, HVT98, MB07, MC08, MNGL98, SR05, Tiw08].

emulators
[MPR+13]. enabled
[VTA04].

Enabledness
[DBGU13, GGGU21].

Enabledness-based
(DBGU13, GGGU21). end
[Dev99, LASL13]. end-user
[LASL13].

Energy
[LVBBC+18]. Engineering
[AAP+20, DG17, DL11, DR15, MBH+17, MP14, OKS+16, STS+18, SP18, WFW+19, ACF97, CDP04, ElvdH+05, KLV05, LASL13, RSB05, SR05, TBS92, UFG14, XL20, ZJ97].
engineers [HBB +09]. Engines [SURL11]. enhanced [SS06]. Enhancing [TS09]. Enough [CBRO16]. Ensuring [SEM17].

environment [ATW94, Bre95, FGMP03, Kli93, MRK +97, Rei99, RVRM04, SN92, TY92]. environments [ACF97, DHW98, ELN +92, KK93, Kli93, MGP +13, PJRR10, PWD +99]. equations [BRG +01, KGA +12].


Ethereum [ZOJH21]. evaluate [MGP +13]. Evaluating [LH08, TAA +19, WGG13]. Evaluation [AAP +20, FA14, KDM17, MS15, RWEB19, CAC08, DBDS94, KKK93, MBH09, XCKX13].


evolvability [CS12]. evolving [DCS09, QRLV12]. EvoMaster [Arc19]. EvoSuite [FA14]. Exact [HKMB +14]. Examination [ZYL +18]. Examples [BS16]. Exception [CMP +18, ZE14, RM03].

Executables [AEK +16]. Execution [CPCT21, KPC18, WCB +20, YPRK14, AM04, Di93, DHW98, SMAC08].


Exploiting [CGPP15]. exploration [QNR13]. Explorations [PBUI6]. Exposing [LBZ14]. expressions [KGA +12].


factory [BCC92, FLM +98]. Failure [NL11, Wey96]. Failure-Causing [NL11]. Failures [JO15, LJL +20]. families [BCD02].

Family [GHM18, RKBL19, SGR +15, WFF +19]. Family-based [RKBL19]. Fan [MVM07]. Fan-In [MVM07].

Far [ZYL +18]. Farewell [Ros19]. Fault [AROK21, EKL +19, KMYK19, Kuh99, TSPrC18, YHC13, YXK +17, CCX11, Hie02, Hie09, KB07, LY05, MA14, SMT92, TK02, XCKX13, ZXLC14].


Field [DPB17, JO15]. finding [CSX08]. Fine [PGZ +20, BRR01, DL13].


Floating-Point [BCGB21]. Flow [DCCN04, For94]. flow-sensitive [For94].
flows [MP09]. Follow [STS+18]. Foraging [FSP+13]. Formal [BP05, CTA+21, CR94, EWS14, GXSC21, RO18, YJW+20, AG97, AG98, BRRP05, BKM07, CS12, CMCP+99, CRST12, CPPRM03, FP02, MMST14, PGM12, SCK13, VTA04, SB06].

Formalizing [AAG95, CD98, BP98, CDFG96]. formally [CMCP+99]. formally [vdBV96].

Formed [TC20]. formulas [XCKX13].

forward [Ros13a]. foundation [SCK13].

Foundations [KF07]. Four [ZJ97, CD98].

des [KK04]. Framework

[AEK+16, CTA+21, DR11, KAT12, MS15, YBL15, BCTW96, CDP04, CDFG96, Dev99, For94, MS03, SGL12, WGG13]. free

[KGA+12, vdBV96]. Freedom [ABB+18].

des [Dev99]. front-end-retargetable

[Dev99]. FSMs [HT17]. Full [SRTR17].

Full-Word [SRTR17]. Functional

[Bro93, GD08, RST+14, MGP+13].

Functions

[BCGB21, Hie09, MPG+13, VK03].


Gas [ZOJH21]. general [CCX11].

Generated [CMM+15, LS13, WGSD07].

Generating [ARG17, DRW96, GXX+20, HT17, IC14, SSB20, YJW+20, KI93].

Generation [Arc19, AG20, BFAG19, FA14, FSM+15, GSYT21, HLL+20, HAB+20, MGTR18, SMBO21, vdBV96, EF05, FK96, FRB+06, HZS08, PWX14].

Generative [KAT12]. Generator [NKWF14, DO93].

Generic [CWM+20, LL00]. Genetic

[DBNG15, YXX+17]. GENOA [Dev99].

Gitter [EHE21]. Global

[ABB+18, CFL+16, WFF+19]. Goals

[BBS16, DBPU13]. Google [CCH+21].

governed [MU00]. GQM [FLM+98].

grained [BRR01, DL13, PGZ+20].

grammars [KGA+12]. grammarware

[KLV05].

Graph

[ARL+15, CWH+21, PTY95, MNLG98]. graphical [DKM+94, MRK+97]. graphs

[SRK06]. GreASE [dFLSV14]. growth

[JMS08]. guarantee [CAC08]. GUI

[Men08, XM07, XM08]. GUI-based

[XM07]. Guide [HAB+20]. Guided

[CLBY18, PWX14, TCDZ19]. Guidelines

[GGZ+15]. GUIs [LVBB+18].

HAMPi [KGA+12]. handle [LYYC14].

handlers [CMP13]. Handling

[AG20, ZE14]. hard [CAG08]. HCSSP

[YJW+20]. healing [CMP13]. Help

[FSM+15]. heterogeneous [MU00].

Heuristic [ZHO+18, ZZX+21].

Hierarchical

[YWC16, BO92, SLD+13, WJ10].

hierarchies [CCX11]. hierarchy

[BM13, DFBB99a, DFB99b, LY05].

hierarchy-aware [DFBB99a, DFB99b]. high

[CF03]. high-quality [CF03]. Higher

[GSXC21, LWF03]. Higher-Order

[GSXC21, LWF03]. Highly [AMS+18].

History [ARG17, OPK+21, FM94].

History-based [OPK+21].

history-checking [FM94]. hosts [MPR06].

HOTTest [SS06]. Human

[SPAS21, YXX+17, CDFG96].

human-centered [CDFG96]. Hybrid

[GSXC21, GSH97, ZMM+16, CRST12, CSX08]. Hybridized [BBS16]. Hyper

[ZHO+18]. Hyper-Heuristic [ZHO+18].

hypotheses [Hie02, Hie09].

ICSE [MP14]. Identification [GHM18].

Identifier [SRTR17]. Identify [HNRA20].

Identifying [MVM07]. III [MKS+15].

Image [CCX+20]. Impact

[CST16, ELvdH+05, PVWH17, Tivx08.

ZLW+21, EAS08, MA14, RSB05, SGG+14].

Impact-Driven [PVWH17].

Implementation [KDM17, ZCT18, BO92, BPT10, LH08, SB02]. Implementations

[GZSW19, TCDZ19]. implementing

[CDP04]. implicit [SPAK10]. implied
Model-based [MMST14, HAB13, MS03, SS06, TZZ09].

Model-checking [BGL00, CDEG03, FGMP03, KF07].

Model-Driven [DG17, GTD21]. Modeling [BRG01, FMMH14, JZL19b, MFLL12, MR99, MRRR02, SLD13, BCFM06, BAD08, CDP04, DCS09, DHW98, PWD99, SB06].

Modelling [BZSW14, Bj19, DGC14, DGK21, Jac02].

Models [BMM17, DG18, EM18, FDB12, HLL16, DGD19, RGCS14, TC20, WB13, YJW20, YBL15, BDL06, CMCP99, CW98, Cor00, JPL98, MGP13, MG00, MPF14, ODV09, PTY95, SGG14, SCK13, UKM04, YBL13].

modern [RSB05]. modifiability [SGG14].

Modular [SGR10, WLS20, DvdHT05, FC00].

modularity [CS12, HE13, SPAK10].


MPI [GYT21]. Multi [AROK21, BS16, CDEG03, CLBY18, DG18, LVBBC18, OKS16, XL20, ZHO18].

Multi-Criteria [OKS16, XL20].

Multi-Language [AROK21]. Multi-Level [DG18]. Multi-Objective [CLBY18, LVBBC18, ZHO18, XL20].

Multi-Step [BS16]. Multi-valued [CDEG03]. Multiagent [DL11, ZW03].


[OLR96]. Mutants [CPCT21]. My [CCH21, CXH21].

Names [SRTR17]. natural [GZ05]. need [LYYC14]. nesting [MBH09]. Network [CWW20, CWH21, RX19, WLS20].


noninteractive [ZZL06]. notation [FP02, Jac02]. notations [BP05, CDP04]. Notkin [Ros13b]. Novice [CZ19]. NSGA [MKS15]. NSGA-III [MKS15].

numerical [SMAC08]. Nygaard [Ano02].

Obfuscation [GHM18]. Obfuscation-Resilient [GHM18].

Oblivious [HE13].

OBSERV [TY92].

Observer [HT17]. observational [PSV01]. OCL [QT12]. Ole [Ano02].

Open [CWM20, RGCS14, WFW20, MFH02, Sin10].

Open-Source [RGCS14, Sin10].

Operational [SZH19]. operators [OLR96]. opinion [CF10]. Optimal
Partial-Order, organizational [DCS09]. Organized [ZWCH21]. Oriented
[AB12, ZSL+13, AM11, CTCC98, CTC01, CSC06, DF99a, DF99b, DF94, DR10, FGL+12, HE13, DGK21, MS94, ODV+09, RS09, RM03, SB02, SGR+10]. OSS
[ZMM+16]. outcome [GJ08]. Outgoing
[Ros19]. output [KM10, QNR13]. Overflow
[ARG17, DLRA15, GXG+20, ZWCH21]. overlapping [HaK92].

Pacemaker [BZSW14]. Pan [BGdV92].
Parallel
[HT17, KK93, PSV01, RD15, SMAC08].
Parameter [TG11]. parameterization
[BAD08]. Parameterized [MRR05].
Parameters [RGCS14]. Part [ELN+92].
Partial
[FDB+12, PBU16, SGD15, XCCY10].
Partial-Order [SGD15]. Particular
[XL20]. Passing [TG11]. Patch
[MGTR18, STGR21]. Patches
[KPC18, TWB+19]. Path
[DDE11, GSYT21, QNR13, SGD15, TPT13, LS13, SRK06]. Paths- [TPT13].
Path-Sensitive [SGD15]. Paths [YWC16].
Pattern [CZ19, SGR+15]. Pattern-based
[CZ19]. Patterns [KAS20, DDGR18, ZB13]. Peer
[RGCS14]. Performance
[CFL+16, RXX+19, ZHZ+21, Tiw08].
Person [ZSHD20]. Personalized [ZL13].
Perspective [FSP+13]. pervasive
[MZ09, XCCY10]. phase [JGB12].
philosophies [MSW12]. pilot [XM08]. PL
[DL11]. Place [MS15]. Place-Aware
[MS15]. Planning [ZHO+18]. Platform
[EHEZ21, LJL+20, ZOJH21]. Platys [MS15].
Play [CCH+21]. Point [BCGB21, BTI14].
pointers [OSH04]. points [LH08, MRR05].
points-to [LH08, MRR05]. Policies
[BBS16, BLW09]. Polychronous [GGLT07].
Polynomial [NKWF14]. Popular
[CCH+21]. Portfolio [MPG+13]. Post
[JMS08]. Post-release [JMS08]. Posteriori
[DG17]. Posts [ARG17]. potentially
[ZXL14]. Power [LSV08]. Powered
[ZOJH21, CCY+21]. Practical
[BCGB21, CWW+20, SZH+19, SSB20].
practice [ELvdH+05]. pragmatic [HW12].
Precise [AB12, KMYK19, LRCIS14, XR13].
Precision [PSW+20]. Predicting
[LJL+20, MBH+17, ZHZ+21]. Prediction
[CXL+21, SMY19, ZLYL+18, ZXL14].
Predictions [ZZX+21]. Predictive
[LRCIS14, HZ13]. preliminary [YTL+95].
presence [FYD+08, FC00, Hei02, OSH04].
preserving [YHR92]. Prevalence [MA14].
PRIME [PWD+99, MGMN11]. Principles
[Bjo19]. Prioritization
[EM15, HZ14, ZZ10, YHC13]. Privacy
[BBS16, ML00]. Probabilistic
[EM18, PBU16, JGB12]. Problem
[SKBD14, XL20, HKMB+14, MY13].
procedure [BHR95, MPG+13]. Process
[BCFM06, PVHW17, LDUD13, TC20, ACF97, BCD02, BAD08, CW99, DHW98, GRT09, JPL98, ODV+09, PWD+99, SR05, SH095]. process-centered [ACF97].
process-integrated [PWD+99].
process-oriented [ODV+09]. Processes
[HWG+16, Cia93, CW98, DCS09, FGMP03].
processing [ATW94, Bre95]. Product
[CTA+21, DL11, HLL+16, HLL+20, XZZL18, ZCT18, BJMH02, KATS12, MC08].
product-lines [BJHM02]. production
[TBS02]. products [JMS08]. profiling
[XR13]. Program [ASJDW21, BHR95, GWD+21, GRS+16, MTRK14, RKL19, YWC16, YB20, BG96, BG07, BG98, DBGU13, EF05, GN93, HZ08, KM10, LH02, OSH04, SLB+21, YHR92].
Programmed [EKL+19]. Programming
[DBNG15, BXX+20, CWM+20, KS20, 
slicing-based [TD01]. Small
[HZBS14, Sin10]. small-world [Sin10].
Smalltalk [CL94]. Smart
[YABLR20, ZOJH21]. SMC [SGE00]. Smell
[SKBD14]. Smells
[AROK21, HZBS14, RRPW21]. SMT
[AGRR19]. SNIAPL [ZZL+06]. Snippets
[GXG+20]. Sociotechnical [KAS20].
Software [AAP+20, BNBI4, B&018, CBRO16, CTA+21, CLBY18, CCM+21, CWH+21, CW99, CFA+16, CZ19, DHW98, DR15, DRNR15, EWS14, EM18, EF05, EW11, FSM+15, GZSW19, HLL+20, HH95, KPC18, MFL12, MBH+17, MY13, MB20, MRS+15, MP14, OKS+16, RKEL98, RGCS14, SP18, STS+18, SMY19, SF18, WB13, WPB19, WOM15, XZZL18, XL20, YQTR15, ZSHD20, ZHG+21, AAG95, ACF97, BCTW96, BO92, BGO+14, BCD02, CS12, CTF01, CM08, CIA93, CW98, CDP04, CD98, DvdHT05, DFT07, DCCN04, ELN+92, ELvdH+05, FK96, FL+98, GJ08, Gun00, HBB+09, Hen97, HW12, JPL98, JMS08, KKL93, LASL13, LSV08, MMST14, MRRR02, MSW12, MFH02, MC08, NLR11, NP08, OF92, ODF+09, PPS91, PPR93, PMM+99, PSMV98, Ro08, RSB05, SRK06, SN92, SHO95, TZZ09, Tio08, TBS92, UF14, VD13, WP93, WGG13, XM07].
software [XR13, ZW95, ZW97].
Software-engineering [XL20]. Solution
[JL+20]. Solutions [XL20]. solver
[KGA+12]. Solvers [XZZL18]. Solving
[AGRR19, SSB20, SED14, XL20]. Some
[HZBS14]. Sound [MWP+21, XL20].
Source
[CWM+20, DRNR15, HNRA20, KS20, MB15, PZS+20, RCSC14, SGR+15, SRTR17, SED14, WLS+20, WFW+20, Dev99, DER10, MFH02, MN96, RM07, SGG+14, Sin10, SAB+14].
Source-Code
[DNRR15, SGR+15, SGG+14]. sources
[PSM98]. Space
[STS+18, CD98, DBDS94]. Special
[HP15, MP14, NP08]. specialization [SS02].
Species [Boh18]. specific
[BJMH02, BGL00, HZS08, SS06].
Specification
[KAS20, KL21, ZW97, Bro93, CDSM10, CL94, CR94, ELN+92, FN03, Kuh99, LY05, MS94, PPFP94, RMP97, TK02, WM93].
specification-based [Kuh99, LY05, TK02].
Specifications [EHF20, PSS+20, CCX11, DV93, FM94, HIL96, HD08, HN98, Jac95b, KB07, MMST14, MS03, Pon02, PMS13, UKM04, WP93, FPFG07].
specify [CFM00]. specifying [DKM+94]. spectra
[NLR11]. spectra-based [NLR11].
Spectrum
[TSPR18, YXX+17, MSW12, XCKX13].
Spectrum-Based
[TSPR18, YXX+17, XCKX13].
Speculative [WCB+20]. Speed [ODE21].
spi [DSPV3]. spreadsheet [FRB+06].
spreadsheets [RBL+01]. SQL [AG20].
[TC179]. SSL/TLS [TC19]. Stack
[AEK+16, ARG17, GXG+20, ZWCH21].
STADS [Boh18]. State [EM18, MS14, RWEB19, WB13, Co10, DBDS94, WJ10].
State-Based [WB13]. statecharts
[BRG+01, HaK92, HN96]. stateful
[S1D+13]. STATEMATE [HN96]. States
[LCZL14]. Static
[HNRA20, IY00, KMK19, RD15, RWEB19, RM03, VLI+18, WGD07, BG07, FPB+05, GH97, MNGL98, OO92, ZZZ+06].
Statically [CWH+21]. Statistical
[RCSC14]. Status [WFF+19]. Step
[BS16, SLB+21]. Stepwise [EK11].
Stochastic [CFL+16]. strategy [JW94].
stratified [PM+09]. StreamGen
[GT21]. Streaming [GT21]. strength
[MP09]. Stress [DRMG15]. string [TPT13].
strings [KGA+12]. Structural [Kip92].
Structure [GSS+16, WB13, RM03].
structured [BP98]. Structures [KDM17].
Structuring [JAC95]. Stubborn
[CPCT21]. Studies [CAI20, SPAS21, BM07].
CD98, HBB+09, MFH02. Study [AROK21, CWM+20, CCH+21, EHE221, FSM+15, ODE21, OKS+16, PZS+20, RRWP21, TWB+19, VLJ+18, ZOJH21, ZE14, ZHO+18, ZMM+16, BJMH02, BRR01, BGH07, CF10, GHK+01, MB07, MNGL98, PSV01, SMT92, SR05, Tw08, TBS02, XM08, ZLCL14].

HWH14, MS03, RM03. Supporting [ZMM+16, BGL00, BMMST14, MG00, OHDB92, RVMRM04, SSB20, ZCT18, BGdV92, CDSM10, IWY00, TWB16, CCH20, EHE221, EKL+19, FCLL21, KAS20, MPT+21, NBW+18, PSW+20, TG11, YBZK21, ZHZ+21, BO92, BCD02, Bro93, Cal95, CMP13, CY11, CFM00, CRST12, CDFG96, DFOT07, DJ97, DKKM+94, DCCN04, FM94, FP02, FS93, GM01, JGB12, Kip92, KK04, LYYC14, MU00, MS94, MRK+97, Ost99, ODV+09, Pon02, RM03, SLD+13, TZZ09, THHB06, WAF00, ZJW03].

TACCLE [CTC01]. Tactics [YBZK21].
Tagger [WYMW20]. tailoring [CF10].
Taming [SLB+21]. Target [KMYK19].

Task [DBNG15, BBS16, Di09, ZSHD20, SCK13].
tasking [Di93].
Tasks [FSP+13, MBH+17].
taxonomy [UFG14].

Teams [CFL+16].

Technical [GXLG21, RXX+19, UKR21].
technique [KKLS02, RH97, SS06, SB02].

Techniques [Bje19, RD15, BRR01, GHK+01, SM12].
technology [EAS08], telecom [MC08].
telecommunication [Zav04]. Templates [CWM+20].

Temporal [CY11, Pon02, LYYC14, PMS13].

Term [VKV03].
Termination [TAA+19, Di97].

Terms [WB13]. Test
[Arc19, AG20, CMM+15, DPT13, EM15, FA14, FSM+15, GRS+16, GGZ+15, GSYT21, HZZ+14, HLL+20, HAB+20, IC14, KB07, MPT+21, MK15, MGTR18, SMBO21, SS20, XL20, Ber94, BRR01, DQ93, FK06, FRB+06, GHK+01, HGS93, HAB13, Hi02, Hi09, KSD08, Mem08, PWX14, Pet97, RH97, REM+04, SS06, UFG14, XM07].

Test-and-adapt [DPT13].

Test-Equivalence [MGTR18].
test-selection [BRR01].
Test-suite [XL20].
testability [BHL11, MBH09].

Testers [FSM+15].

Testing [DBNG15, BG96, Böh18, CWW+20, DPB17, GGGU21, Hie14, KPC18, MB20, NL11, PGZ+20, TCDZ19, TAA+19, WPB19, ZSHD20, Ber94, CTCC98, CTC01, CM08, DRW96, DF94, DSV03, FRB+06, Ham09, HAB13, Hie09, JW94, KSD08, Kip92, Kuh99, LY05, MP+13, MB09, Mem08, MS03, NP08, Off92, OSH04, Pet97, RBL+01, REM+04, SS06, SM12, TM14, TK02, Wey96, XM08, ZAW92].

testing-based [Ham09]. Tests

[GWD+21, SPK14, ZE14].

Text [MBH+17].
Their [WB13, MPG+13].

theoretic [YHC13].

Theoretical

[SLB+19, YXK+17, XCKX13].

Theory
[FSP+13, RGCS14, WFF+19, HBB+09, Ham09, PPP94]. Things [YBZK21]. Three [BMJ07, ZMM*16, CSC06]. time
[Bro93, Cal95, FM94, FP02, GGLT07, MS94, MRK+97, Ost99, Pon02, SDL+13, WME93, ZHZ+21]. time-critical [MS94].
time-sensitive [Bro93, Cal95]. Timed [BMM+17, PBCT10, SDL+13]. Timeliness [WPB19]. Titles [GXG*20]. TLS
[TC21]. TLTL [LS11]. Tool [dFLSV14, CSX08, ELN*92, MS03, MF14, YTL+95, ZW95]. Tools
[FSP+13, Ham09, DRW96, Tiw08]. topics [BGO*14]. Topology [Rob08]. TOTA [MZ09]. Trace [MWP+21, HZZ13].

Trace-Based [MWP+21]. Traceability [BFN*14, DFOT07]. Traces [MWP+21]. tracking [DER10]. Trading [HE13].

Transactional [MWP+21]. Transactions [ZOJH21]. transformation [BHL11, CF03, MB09]. Transformations
[ASJWD21, BS16, DGD+19, TSPRC18, YHR92]. Transforming [MHK11, BHL11]. transition
[YBL13]. Translation
[TWB+19, Zav04]. Transplantation
[STGR21]. traversal [VKV03]. Tree
[WL+20]. triage [AM11]. Triggering
[ZSL+13]. TRIO [FM94]. trustability
[HH95]. Twitter [ST*18]. Two
[MFH02, JGB12]. two-phase [JGB12].

Type [ARL+15, KATS12, ODE21, SG15, BGL00, TD01]. Type-Based
[ARL+15, SG15]. type-specific [BGL00]. Types [ASJWD21, SPAK10]. typestate
[FYD+08]. Typing [DG17, DGD+19].

UI [CC+20, CCH+21]. Ultra
[DNR15, LIL+20]. Ultra-Large-Scale
[DRNR15, LIL+20]. UML
[BM13, BMM+17, BDL06, Esh06, MFLL12, QT12, SGG+14, SB06, YBL15]. UML-B
[SB06]. unbounded [JGB12]. Uncertainty
[WPB19, ZZY+21, GJ08]. Uncertainty-wise [ZZY+21]. Understand
[GL11, AAG95]. Understandable [CZ19]. Understanding [ASMP16, DLRA15, LTX19, NWB+18, PSMV98]. Unified
[HZZ+14, ZS97, MRRR02]. Unifying
[CST16, RS09]. Unit
[FA14, FSM+15, KSD08, SPK14].

Unit-level [KSD08]. UNITY
[MR99, PRM01, RMP97]. Unnecessary
[HNRA20]. until [JGB12]. Unveiling
[FWF+20]. upper [CM08]. Usage
[KS20, MB20, UKR21, ZOJH21]. uses
[MPP+13]. Use [DGC14, SCK13, YBL15, DJ97, HBB+09, YBL13]. Used
[CWM+20].

User [CCH+21, BRRP05, LASL13, SMT92].

Using
[AGRR19, BBS16, CBRO16, CWH+21, CFM00, Cor00, EM15, FA14, GSYT21, HLL+16, HAB+20, KMYK19, MV07, MGP+13, MFS+16, OKS+16, Wey96, XM08, XMA+14, CK99, DFOT07, DFG00, IYW00, KK04, LS13, LH08, ML00, PGM12, SDL+13, TC20, UKM04, XR13, ZW95]. utility
[CSC06].

Validate [ZE14]. Validating
[FM94, MSW12]. Validation
[CRST12, QT12, TCDZ19, CW99, DBGU13]. value
[FBC+13, Hie06]. valued
[CDEG03]. Variability
[AMS+18, VLJ+18].

Variability-Aware [VLJ*18]. Variable
[CST16]. Variant [RKBL19]. Variant-rich
[RKBL19]. variants [Jez99]. Variation
[EW11, SPAS21, PSMV98]. Verdict [Hie09].

Verification [ASJWD21, AGRR19, BCGB21, BMM+17, BLS11, CSV13, EWS14, GXSC21, HGW+16, NBB15, QT12, BGL00, CDSM10, CY11, DSV03, FLG12, FGMP03, FYD+08, FC00, MF14, SGE00, WME93].

verify [SMAC08]. Verifying
[CJM00, GZSW19, DCCN04, SLD09]. Unit
[CZN09]. Use
[CZ19]. Variation
[EB11, SPAS21, PSMV98]. Verdict [Hie09].

Verification [ASJWD21, AGRR19, BCGB21, BMM+17, BLS11, CSV13, EWS14, GXSC21, HGW+16, NBB15, QT12, BGL00, CDSM10, CY11, DSV03, FLG12, FGMP03, FYD+08, FC00, MF14, SGE00, WME93].

verify [SMAC08]. Verifying
[CJM00, GZSW19, DCCN04, SLD09]. Unit
[CZN09]. Use
[CZ19]. Variation
[EB11, SPAS21, PSMV98]. Verdict [Hie09].

Verification [ASJWD21, AGRR19, BCGB21, BMM+17, BLS11, CSV13, EWS14, GXSC21, HGW+16, NBB15, QT12, BGL00, CDSM10, CY11, DSV03, FLG12, FGMP03, FYD+08, FC00, MF14, SGE00, WME93].

verify [SMAC08]. Verifying
[CJM00, GZSW19, DCCN04, SLD09]. Unit
[CZN09]. Use
[CZ19]. Variation
[EB11, SPAS21, PSMV98]. Verdict [Hie09].

Verification [ASJWD21, AGRR19, BCGB21, BMM+17, BLS11, CSV13, EWS14, GXSC21, HGW+16, NBB15, QT12, BGL00, CDSM10, CY11, DSV03, FLG12, FGMP03, FYD+08, FC00, MF14, SGE00, WME93].

verify [SMAC08].
Views [DL13, Jac95b]. violation [LYYC14].
Violations [MWP+21, MM13]. Virtual
[BFFG19, DHW98, Pon02]. visual
[CDP04, Di93, KSD08, MG00].
visualization [BG98]. Visualizing
[BLX+20]. vs [SRTR17]. Vulnerabilities
[CWH+21, MS14]. Vulnerability
[GWD+21, ZZX+21].

warehouses [BCC+01]. way [RKBL19].
Weak [FDB+12]. web
[LASL13, BM07, BCFM06, BPT10,
CGPP15, NBB15, SURL11, ZL13].
web-centred [LASL13]. Weighted
[HGW+16]. Well
[SURL11, TC20, ZWCH21]. Well-Formed
[TC20]. white [CTCC98]. Who [STS+18].
Whole [SLB+21]. Whole-program
[SLB+21]. Wild [TWB+19]. Wireframe
[CCX+20]. Wireframe-based [CCX+20].
wise [ZZY+21]. within [DHW98]. Word
[SRTR17, KGA+12]. Work [CXH+21].
Workarounds [CGPP15]. workflow
[CY11, LYYC14]. world [Sin10]. Wrapper
[THHB06]. Wrapper-based [THHB06].
Wybe [Ano02]. WYSIWYT [FRB+06].

XP [CF10]. XPis [SGR+10].

Z [Jac95b].

References

[AAG95] Gregory D. Abowd, Robert
Allen, and David Garlan. Formalizing style to understand
descriptions of software archi-
tecture. ACM Transactions
on Software Engineering and
Methodology, 4(4):319–364, Oc-
tober 1995. CODEN ATSMER.
ISSN 1049-331X (print), 1557-
7392 (electronic). URL http://
www.acm.org/pubs/articles/
journals/tosem/1995-4-4/p319-
abowd/p319-abowd.pdf; http://
www.acm.org/pubs/citations/
journals/tosem/1995-4-4/p319-
abowd/.

Shaukat Ali, Paolo Arcaini,
Dipesh Pradhan, Safdar Aqeel
Safdar, and Tao Yue. Quality
indicators in search-based soft-
ware engineering: an empirical
evaluation. ACM Transactions
on Software Engineering and
Methodology, 29(2):10:1–
10:29, April 2020. CODEN
ATSMER. ISSN 1049-331X
(print), 1557-7392 (electronic).
URL https://dl.acm.org/
doi/abs/10.1145/3375636.

[AlDallal:2012:PMM]
Jehad Al Dallal and Lionel C.
Briand. A precise method-method
interaction-based cohesion metric for
object-oriented classes. ACM
Transactions on Software En-
gineering and Methodology, 21
(2):8:1–8:??, March 2012. CO-
DEN ATSMER. ISSN 1049-
331X (print), 1557-7392 (elec-
tronic).

[Attie:2018:GLD]
Paul C. Attie, Saddek Bensalem,
Marius Bozga, Mohammad Jaber,
Joseph Sifakis, and Fadi A.
Zaraket. Global and
local deadlock freedom in BIP.
ACM Transactions on Software
REFERENCES

Ambriola:1997:APC


Anand:2016:SMA


Allen:1997:FBA


Allen:1998:EFB

REFERENCES


Arcuri:2020:HSD


Antonino:2019:EV


Akgul:2004:AIL


Anvik:2011:REB


Abal:2018:VBH


Anonymous:1996:A1

Anonymous:2002:OOJ


Arcuri:2019:RAA


Azad:2017:GAC


Ali:2015:TBC


Abidi:2021:MLD


Al-Sibahi:2021:VPT


Alimadadi:2016:UJE

[ASMP16] Saba Alimadadi, Sheldon Sequeira, Ali Mesbah, and Karthik Pattabiraman. Understanding JavaScript event-based interactions with Clema-
REFERENCES


Bonifati:2001:DDM


Bernardo:2002:AFS


Brambilla:2006:PMW


Bagnara:2021:PAV


Barrett:1996:FEB


Basin:2006:MDS

REFERENCES

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


REFERENCES


[BLX+20] Ivan Beschastnikh, Perry Liu, Albert Xing, Patty Wang, Yuriy Brun, and Michael D. Ernst. Visualizing distributed system executions. *ACM Transactions on Software Engineer-
REFERENCES


[BNB14]

[BO92]

[Boh18]
REFERENCES


REFERENCES


Cobleigh:2008:BHD


Cai:2020:AIM


Callison:1995:TSO


Candela:2016:UCC


Chen:2021:HSI


Chen:2011:RFC

Chen:2020:WBU


Chen:2021:EPS


Crow:1998:FSS


Chechik:2003:MVS


Cugola:1996:FFI


Costagliola:2004:FMI

Gennaro Costagliola, Vincenzo Deufemia, and Giuseppe Polese.
REFERENCES


Chen:2010:VSI


Cohen:2003:AHQ


Conboy:2010:MDC


Czekster:2016:SPA


Ciancarini:2000:UCL


Carzaniga:2015:AWE

Antonio Carzaniga, Alessandra Gorla, Nicolò Perino, and Mauro Pezzè. Automatic workarounds: Exploiting the intrinsic redundancy of Web ap-


REFERENCES


REFERENCES


Chekam:2021:KSM

Coen-Porisini:2003:FAD

Creveuil:1994:FSD

Cimatti:2012:VRH

Cai:2012:FMA

Counsell:2006:IUT
ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).


REFERENCES

Cook:1998:DMS

Cook:1999:SPV

Cheng:2021:DSD

Chen:2020:HCT

Chen:2020:PAE

Chen:2021:WMC
Qiuyuan Chen, Xin Xia, Han

Chen:2011:TDB


Czepa:2019:HUP


Duri:1994:AEE


DeCaso:2013:EBP


Alesio:2015:CGA

Dippolito:2013:SNE


Dwyer:2004:FAV


Desai:2009:AMM


Diep:2011:LBS


Lucia:2018:DBD


Duala-Ekoko:2010:CRD


Devanbu:1999:GCF

REFERENCES


REFERENCES


DeLucia:2007:RTL


DeLara:2017:PTM


DeLara:2018:RML


DeLara:2014:WHU


Lara:2019:ARM


Lara:2021:FOM

REFERENCES


[DL11] Josh Dehlinger and Robyn R.

Demsky:2013:VSF


Dietz:2015:UIO


Dyer:2015:BUL


DiNardo:2017:AFD


Denaro:2013:TAA

REFERENCES

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

Dyer:2010:SDA

Dagenais:2011:RAC

Dwyer:2015:EJF

Devanbu:1996:GTA

Durante:2003:ATE

Dashofy:2005:CAD

Emmerich:2008:IRD
Wolfgang Emmerich, Mikio Aoyama, and Joe Sventek. The impact of research on the devel-

**ElKholy:2014:CCR**


**Erwig:2005:SRS**


**Egyed:2002:AAC**


**Ehsan:2021:ESD**


**El-Hokayem:2020:MDS**


**Ebnenasir:2011:FSD**


**Ellis:2019:RFD**

[EKL+19] Samuel J. Ellis, Titus H. Klinge, James I. Lathrop, Jack H. Lutz,


REFERENCES

Eldib:2014:FVS


Fraser:2014:LSE


Fong:2000:PLM


Fu:2021:SSC


Fischbein:2012:WAM

REFERENCES

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


[Fritz2014] Thomas Fritz, Gail C. Murphy,


REFERENCES


REFERENCES


[Tanja:2008:ROF] Tanja M. Gruschke and Magne Jørgensen. The role of outcome feedback in improving the uncertainty assessment of software development effort estimates. ACM Transactions on Software Engineering and Methodology,
REFERENCES


REFERENCES

Goel:2009:IPC

Gupta:1997:HSI

Gong:2021:TDG

Guerriero:2021:SMD

Gunter:2000:ADB

Gao:2021:BTP
REFERENCES

Gao:2020:GQT


Gao:2021:TQS


Hemmati:2013:ASM

Holmes:2020:URL
Josie Holmes, Iftekhar Ahmed, Caius Brindesecu, Rahul Gopinath, He Zhang, and Alex Groce. Using relative lines of code to

**Harel:1992:SO**


**Hamlet:2009:TES**


**Hall:2009:SRT**


**Hoffman:2013:TOM**


**Henninger:1997:EA**


**Harrold:1993:MCS**

M. Jean Harrold, Rajiv Gupta, and Mary Lou Soffa. A methodology for controlling the size of a test suite. *ACM Transactions on Software Engineering


Constance L. Heitmeyer, Ralph D. Jeffords, and Bruce G. Labaw.


Haas:2020:SAA


Harman:2015:ISI


Henkel:2008:DDA

REFERENCES

Holmes:2012:SPS

Huang:2013:SPA

Haesevoets:2014:ACS

Hall:2014:SCS
Tracy Hall, Min Zhang, David Bowes, and Yi Sun. Some code smells have a significant but small effect on faults. *ACM Transactions on Software Engineering and Methodology*, 23(4):33:1–33:??, August 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Hao:2014:UTC

Huang:2008:DSL

Huang:2013:SP

Hao:2014:UTC

Islam:2014:GTC
Mainul Islam and Christoph Csallner. Generating test cases for programs that are coded against interfaces and annotations. *ACM Transactions on Software Engineering and Methodology*, 23(3):21:1–21:??, May 2014. CODEN ATSMER.
REFERENCES

Inverardi:2000:SCS


Jac95a


Jac95b


Jezequel:1999:RV


Jennings:2012:TPA

REFERENCES


REFERENCES

Kafali:2020:DSS


Kulkarni:2012:GPF


Kastner:2012:TCA


Kiezun:2012:HSW

Adam Kiezun, Vijay Ganesh, Shay Artzi, Philip J. Guo, Pieter Hooimeijer, and Michael D.

Kapoor:2007:TCF


Karanikolas:2017:EEI


Krishnamurthi:2007:FIA

REFERENCES


[KL93] P. Klint. A meta-environment for generating programming en-

Klint:2005:TED


Ko:2010:EAW


Kim:2019:PLR


Kuchta:2018:SSE


Kapur:2020:DES


Karam:2008:ULT

REFERENCES

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

Kuhn:1999:FCE


Lizcano:2013:WCA


Layman:2014:MER


Li:2014:SSA


Rosa:2013:BPM


Liang:2002:EAA


Lhotak:2008:EBC

Ondřej Lhoták and Laurie Hendren. Evaluating the benefits of context-sensitive points-to analysis using a BDD-based

**Li:2020:PNF**


**Li:2014:RIP**


**Le:2013:MDF**


**Louridas:2000:GMR**


**Louridas:2008:PLS**

REFERENCES

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

Li:2019:UAJ

Linares-Vasquez:2018:MOO

Lopes:2003:HOA

Lau:2005:EFC

Liu:2014:DWN
Xiao Liu, Yun Yang, Dong Yuan, and Jinjun Chen. Do we need to handle every temporal violation in scientific workflow systems? *ACM Transactions on Software Engineering and Methodology*, 23(1):5:1–5:??, February 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Masri:2014:PCC

Meyers:2007:ESS
Mahmoud:2015:ESR


Miranda:2020:TRU


McMinn:2009:EEN


Mills:2017:PQQ


Mohagheghi:2008:EIS


Memon:2008:ARE


Mockus:2002:TCS

REFERENCES

Mattsson:2012:AMA


Mills:2000:KBM


Miles:2011:PMD


Marin:2013:UFS


Mechtaev:2018:TEA


Maoz:2011:CMS


Mkaouer:2015:MOS

[MKS‡15] Wiem Mkaouer, Marouane Kessentini, Adnan Shaout,


REFERENCES

Masri:2009:MSI


Murphy:2014:ISI


Moscato:2014:DTV


Mcmillan:2021:PSR

REFERENCES

Machado:2016:CDD

McCann:1999:MMI

Moser:1997:GED

Milanova:2005:POS

Medvidovic:2002:MSA

Morzenti:1994:OOL
REFERENCES


Miller:2003:FTS

Moller:2014:ADC

Murukannaiah:2015:PAL

Meneely:2012:VSM

Maalej:2014:CPC

Minsky:2000:LGI
Marin:2007:ICC


Mcminn:2015:ETC


Ma:2021:RTB


Minku:2013:SEE


Mamei:2009:PPM


Nijjar:2015:DMP


Nentwich:2003:FCC

REFERENCES


Notkin:2009:E


Notkin:2010:E


Notkin:2012:E


Notkin:2013:ELB


Notkin:2008:ISS


Nguyen:2018:UCM


Ore:2021:EST


Ouyang:2009:BPM

[ODV+09] Chun Ouyang, Marlon Dumas, Wil M. P. Van Der Aalst, Arthur H. M. Ter Hofstede, and Jan Mendling. From business process models to process-oriented software systems. ACM Transactions on Software Engineering and Methodology, 19
REFERENCES


**Offutt:1992:IST**


**Osterweil:2005:E**


**Ostertag:1992:CSR**


**Ouni:2016:MCC**


**Offutt:1996:EDS**


**Olender:1992:ISA**

Kurt M. Olender and Leon J. Osterweil. Interprocedural


REFERENCES


[PSMV98] Adam Porter, Harvey Siy, Audris Mockus, and Lawrence Votta. Understanding the sources of variation in software inspections. *ACM Transactions on Software Engineering and

Perry:2001:PCL


Polyvyanyy:2020:MPR


Pezze:1995:GMR


Polyvyanyy:2017:IDP


Pohl:1999:PTP

REFERENCES


[RBL+01] Gregg Rothermel, Margaret Burnett, Lixin Li, Christopher Dupuis, and Andrei Shere- tov. A methodology for testing spreadsheets. *ACM Transactions on Software Engineering and Methodology*, 10
REFERENCES


Radoi:2015:ETS


Reiss:1999:DE


Rothermel:2004:TSC


Rigby:2014:PRO


Roychoudhury:2012:SMS


Rothermel:1997:SER

REFERENCES

Reuling:2019:AWP

Robillard:2003:SAS

Robillard:2007:RCS

Roman:1997:MUR

Robillard:2008:TAS

Rosenblum:2013:ELF
REFERENCES


REFERENCES


[Ren:2019:NNB] Xiaoxue Ren, Zhenchang Xing, Xin Xia, David Lo, Xinyu


REFERENCES


**Sharafi:2021:TOM**


**Sutton:1995:ALS**


**Sinha:2001:ICD**


**Singh:2010:SWE**


**Sahin:2014:CSD**

Sun:2021:TRE


Sun:2013:MH


Strecker:2012:ADC


Siegel:2008:CSE


Scalabrino:2021:ASB


Schneider:1992:ESF

REFERENCES


REFERENCES

Santhiar:2014:MUT


Sommerville:2005:ESI


Snelting:2006:EPC


Scanniello:2017:FFC


Schrefl:2002:BCS


Sinha:2006:HMB


Soltana:2020:PCS

Shirideen:2021:APT


Sharma:2018:RWF


Sim:2011:HWD


Sheng:2019:TPA


Tramontana:2019:DEO


Tichy:1995:AR


REFERENCES


**Tiwana:2008:ICD**


**Tsuchiya:2002:FCE**


**Tappenden:2014:ACC**


**Tateishi:2013:PIS**


**Tilevich:2009:JOE**


**Troya:2018:SBF**


**Tufano:2019:ESL**

Michele Tufano, Cody Watson, Gabriele Bavota, Massimiliano Di Penta, Martin White, and Denys Poshvyanyk. An empirical study on learning bug-fixing patches in the wild via neural machine translation. *ACM..."


[WFF+19] Stefan Wagner, Daniel Méndez Fernández, Michael Felderer, Antonio Vetrò, Marcos Kalinowski, Roel Wieringa, Dietmar Pfahl, Tayana Conte,

Wang:2020:UED


Wurationsch:2013:EQQF


Whittle:2010:SHS


Wang:2020:MTN

REFERENCES


References


REFERENCES


Yu:2020:SCR


Yu:2020:TBE


Yue:2015:AAF


Yanez:2021:AIT


Yoo:2013:FLP

REFERENCES

Yang:1992:PIA

Yan:2020:AGS

Yang:2014:DIS

Yi:2015:SCC

Young:1995:CAT

Yang:2016:HPP
REFERENCES

Yo:2017:HCG


Zhu:2013:ADP


Zave:2004:ATT


Zeil:1992:DLE


Zhang:2014:ATV


Zhang:2018:ESM

[ZHO+18] Yuanyuan Zhang, Mark Harman, Gabriela Ochoa, Guenter Ruhe, and Sjaak Brinkkemper. An empirical study...
REFERENCES

of meta- and hyper-heuristic search for multi-objective re-
lease planning. ACM Transactions on Software Engineer-
ing and Methodology, 27(1):3:1–3:??, June 2018. CODEN
ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Zhao:2021:PPA

[ZHJ+21] Guoliang Zhao, Safwat Hassan, Ying Zou, Derek Truong, and
Toby Corbin. Predicting performance anomalies in software
systems at run-time. ACM Transactions on Software En-
geineering and Methodology, 30 (3):33:1–33:33, May 2021. CO-
DEN ATSMER. ISSN 1049-331X (print), 1557-7392 (elec-

Zave:1993:CC

[ZJ93] Pamela Zave and Michael Jackson. Conjunction as com-
position. ACM Transactions on Software Engineering and
Methodology, 2(4):379–411, October 1993. CODEN ATSMER.
ISSN 1049-331X (print), 1557-7392 (electronic). URL http://
www.acm.org/pubs/articles/journals/tosem/1993-2-4/p379-
zave/p379-zave.pdf; http://
www.acm.org/pubs/citations/journals/tosem/1993-2-4/p379-
zave/.

Zhao:2021:ISD

[LW+21] Yanjie Zhao, Li Li, Haoyu Wang, Haipeng Cai, Tegawendé F.
Bissyandé, Jacques Klein, and John Grundy. On the impact of
sample duplication in machine-learning-based Android mal-

Zhao:2021:ISD


REFERENCES

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

