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[GL11]. **Amplifying** [ZE14]. **Analyses** [CST16, LS13]. **Analysis** [AEK+16, CFL+16, LCZL14, PBCT10, SGD15, YBL15, BP98, BGO+14, CS12, CK96, CK99, Cor00, CSX08, DRW96, Dev99, DBDS94, DCCN04, For94, GL14, GM01, GSH97, HKMB+14, Hie06, HH95, HZZ13, HT98, HVT98, HN98, LH08, LH02, MRR05, NP08, OO92, PTY95, PGM12, RM03, Rob08, SGG+14, Sne96, SRK06, TPT13, WP93, XCKX13, YTL+95, YBL13, FPGA07, MVM07]. **analyze** [CFM00]. **analyzing** [DFG00]. **annotation** [KATS12]. **annotation-based** [KATS12]. **Annotations** [IC14]. **announcement** [SPAK10]. **answering** [KM10]. **Apache** [MFH02]. **APIs** [SPK14]. **APPL** [SHO95]. **APPL/A** [SHO95]. **Application** [DBDS94, MFLL12, MS15, ZE14, LH02]. **Applications** [CGPP15, KAT12, NBB15, BM07, BCFM06, CPPRM03, CDP04, GGLT07, MZ09, MGMM11, PWX14, PBCT10, SS06, WGSD07, XM07]. **Applying** [FLM+98]. **Approach** [BZSW14, DL11, HZZ+14, MFLL12, LDUD13, YBL13, ZSL+13, CTCC98, CRST12, CPPRM03, DFB99a, DFB99b, DvdHT05, DPT13, DF94, FK96, FPB+05, Hen97, LASL13, MZ09, OHDB92, QRLV12, TD01, ZZL+06]. **approaches** [YHC13]. **approximation** [JGB12]. **APTL** [WME93]. **Architecting** [BCD02]. **Architectural** [MFLL12, AG97, AG98, LWF03, RVMRM04]. **Architecture** [BNB14, HWH14, AAG95, BCC92, DvdHT05, GL14]. **Architecture-centric** [HWH14]. **Architecture-Level** [BNB14]. **architectures** [MRRR02]. **Aria** [DRW96]. **Array** [NKWF14]. **artifact** [DFOT07]. **ASM** [BZSW14]. **Aspect** [Jac95a, DR10, HE13, KF07, RS09, SGR+10]. **aspect-** [RS09]. **aspect-oriented** [DR10, HE13, SGR+10]. **AspectJ** [HZS08, MHK11]. **aspects** [BTI14]. **Assembly** [AM04]. **Assessing** [ACF97, RST+14]. **Assessment** [CMM+15, GJ08, PJRR10, SR05, Wey96]. **assigned** [BHL11]. **assistance** [GN93]. **assume** [CAC08]. **assume-guarantee** [CAC08]. **Assumptions** [HGW+16, IWY00]. **ASTOOT** [DF94]. **aToucan** [YBL15]. **Attacks** [EWS14]. **attribute** [KK93]. **attributes** [GL14]. **Author** [Ano96, TAW95]. **Automated** [Egy02, FA14, FSM+15, GM01, GN93, HJL96, JO15, MS14, TM14, WB13, YBL15, BGO+14, CS12, CAC08, FN03, FRB+06, TBS92, XM07, XM08]. **Automatic** [CGPP15, CF03, DSV03, BRRP05, DO93]. **Automatically** [CMM+15, Mem08, LS13]. **Avoiding** [Hie06]. **Aware** [KAT12, MS15, DFB99a, DFB99b, MGMM11].

B [SB06]. **back** [Not13]. **Based** [AB12, ARL+15, ASMP16, DDE11, GGZ+15, OKS+16, SGD15, WB13, BGdV92, BCTW96, CMP13, CDSM10, CY11, Cia93, CMCP+99, CPPRM03, CW98, DBGU13, DBPU13, Ham09, HAB13, KATS12, KKLS02, Kip92, KK04, Kuh99, LY05, LH08, MMST14, Mem08, MB07, MS03, MG00, MPF14, NLR11, PBO07, QNR13, SS06, SGE00, SB02, Sne96, TZZ09, TPT13, THHB06, TD01, TK02, UKM04, WAF00, XM07, XCKX13, YHC13, OHDB92]. **Baseline** [WOM15]. **basis** [AG97, AG98]. **Bayesian** [PLM15]. **BDD** [LH08]. **BDD-based** [LH08]. **Behavior** [FDB+12, SS02, DBGU13, LK14, MG00, PP93, UKM04]. **Behavior-consistent** [SS02]. **behaviors** [IWY00]. **benefits** [LH08, MC08]. **between** [Gun00]. **Bilevel** [SKBD14]. **black** [CTCC98]. **Bloat** [XMA+14]. **Boa** [DNRN15]. **Boolean** [CCX11, KB07]. **bound** [CM08]. **Boundaries** [CSV13]. **boundary** [Hie06]. **Bounded** [PMS13]. **Breaking** [CAC08]. **Brutus** [CJM00]. **Bug** [LRCS14, AM11, CSX08]. **Bugs**

[ZSL+13, Jac95a]. **Building** [ELN+92, KKLS02]. **Business** [LDUD13, DCS09, ODV+09].

C [DLRA15]. **C/C** [DLRA15]. **Calculus** [EW11, DSV03]. **Call** [ARL+15, MNGL98]. **calls** [BHR95, MM13]. **capabilities** [TS09]. **capability** [Kuh99, TK02]. **Case** [EM15, HZZ+14, OKS+16, YBL15, ZMM+16, BJMH02, CD98, DO93, HAB13, MFH02, PSV01, SCK13, TBS92, YBL13]. **Cases** [CMM+15, IC14]. **Causing** [NL11]. **centered** [ACF97, CDFG96]. **Centralised** [Hie14]. **centred** [LASL13]. **centric** [HWH14]. **chaining** [FK96]. **Change** [YQTR15]. **Changes** [DR11, PSV01]. **Channel** [EWS14]. **characteristics** [CF10, SM12]. **Charts** [RGS12]. **checker** [SGE00]. **Checking** [BHB16, CK99, EBE+14, dFLSV14, BS07, BRRP05, BGL00, CDEG03, Esh06, FM94, FGMP03, HJL96, IWY00, JGB12, KATS12, KF07, NEFE03, PBO07, PMS13, SGL12, SMAC08, WGSD07, XCCY10]. **checkpoint** [CY11]. **Choice** [EW11]. **class** [BM13, CTCC98, CTC01, CCX11, Egy02, LY05, PPP94, ZXLC14]. **class-level** [CTCC98]. **Classes** [AB12, GRT09, HRD08, KB07, Kuh99, Pon02, Tiw08, TK02]. **classification** [DFB99a, DFB99b]. **Classifying** [OSH04]. **cleanroom** [TBS92]. **Clematis** [ASMP16]. **Client** [MS14]. **Client-State** [MS14]. **Clone** [DER10]. **cluster** [CTC01]. **co** [VD13]. **co-installability** [VD13]. **coarse** [BRR01]. **coarse-** [BRR01]. **Code** [DNRN15, HZBS14, MB15, OKS+16, PLM15, SKBD14, SGR+15, SURL11, SED14, ZE14, Dev99, DER10, FMMH+14, MPG+13, PRM01, RM07, SGG+14]. **Code-Smell** [SKBD14]. **Coded** [IC14]. **Cohesion** [AB12, CBRO16, CSC06, KK04, MB07]. **coincidental** [Hie06, MA14]. **collaboration** [Sin10, SB02]. **collaboration-based** [SB02]. **collaborations** [HWH14]. **collection** [TM14]. **Combinatorial** [NL11]. **Combining** [DBNG15, Hie14, SMAC08]. **Comments** [Bre95, Pet97]. **Commercial** [ZMM+16]. **Commitments** [EBE+14]. **communicating** [Bro93]. **Communities** [ZMM+16]. **Community** [DR15]. **comparative** [BRR01]. **Comparing** [Hie02, YHC13, XM07]. **Comparison** [WB13]. **Comparisons** [GGZ+15]. **Compiler** [MHK11, DFG00]. **Completion** [PLM15]. **Complex** [BS16]. **component** [BCC92, CMP13, Ham09, IWY00, VD13]. **component-based** [CMP13]. **components** [BO92, CFM00, DFB99a, DFB99b, ZW97]. **Composing** [BLW09]. **Composite** [BGL00]. **Composition** [Ost99, Ham09, REM+04, ZJ93]. **Compositional** [HGW+16, CK96, CK99]. **Comprehensibility** [SGR+15, SGG+14]. **Comprehension** [MTRK14, RST+14, OSH04]. **comprehensive** [DvdHT05]. **Computing** [OHDB92, EF05, FGL+12, MZ09, RMP97, XCCY10]. **Concept** [PGM12, Sne96]. **concepts** [MG00, SGL12]. **Conceptual** [QT12, TZZ09]. **Concerns** [MVM07, RM07]. **Concurrency** [MQLR16, ZSL+13, DL13, YTL+95]. **concurrent** [Cor00, DKM+94, DCCN04, HZZ13, MRK+97, PTY95]. **Conditional** [EBE+14]. **conditions** [KB07, SRK06]. **Conference** [MP14]. **Configuration** [BNB14, ELvdH+05, Gun00, Jéz99]. **configurations** [Sne96]. **conflict** [FN03]. **conformance** [Ber94, LK14, PBO07, Pet97]. **confounding** [ZXLC14]. **Conjunction** [ZJ93]. **ConMem** [ZSL+13]. **connection** [AG97, AG98]. **connectors** [LWF03]. **consistency** [HJL96, NEFE03, PBO07, XCCY10]. **consistent** [SS02]. **Consolidation** [LDUD13]. **constrained** [BM13]. **Constraint** [DBNG15, XCCY10].

Constraints [MWK15, QT12, SGD15, CY11, CK96, OO92]. **constructing** [Hen97]. **Construction** [ARL+15]. **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]. **Contracts** [YQTR15]. **Control** [BHB16, BDL06, DL13, MMST14, MU00, SHR01, TBS92]. **Controlled** [FSM+15, BFN+14]. **controllers** [DBPU13]. **controlling** [HGS93]. **cookie** [TM14]. **cooperative** [HE13]. **Coordinating** [Cia93]. **coordination** [CFM00, MU00, MPR06, Tiw08]. **CORBA** [CPPRM03]. **CORBA-based** [CPPRM03]. **corners** [ZJ97]. **correctness** [Hie06, MA14]. **Correlations** [GL11]. **correspondence** [CW99]. **Corrigenda** [DFB99a]. **Cost** [CST16, ATW94, Bre95, REM+04, Wey96]. **cost-effective** [REM+04]. **Cost-Effectiveness** [CST16]. **Countermeasures** [EWS14]. **Coupling** [CBRO16, KK04, MB07, Off92]. **Coverage** [GRS+16, GGZ+15, MWK15, YHC13]. **Coverage-Based** [GGZ+15, YHC13]. **CPU** [MPR+13]. **Crash** [ZSL+13]. **Crash-Triggering** [ZSL+13]. **Crasher** [CSX08]. **Criteria** [MWK15, OKS+16, Hie02, KSD08]. **critical** [GM01, MS94]. **cross** [DCS09]. **cross-organizational** [DCS09]. **crosscutting** [SGL12, MVM07]. **cryptographic** [DFG00]. **CSCW** [KAT12]. **CSP** [SLD+13]. **customizable** [Dev99]. **cycles** [SS02].

Dahl [Ano02]. **dark** [ZJ97]. **DARWIN** [QRLV12]. **Data** [BHB16, NBB15, BCC+01, BG98, CW98, FK96, For94, OSH04, TZZ09, WGG13]. **Database** [MWK15, CF03, PWX14, WGSD07]. **dataflow** [KSD08]. **David** [Ros13b]. **Deadlines** [DBNG15]. **deadlock** [DBDS94]. **Debugging** [CMM+15, FSP+13, JO15, MQLR16, AM04, HRD08, OSH04, QRLV12]. **decentralized** [ML00]. **Deciding** [SGD15]. **Decision** [HGW+16]. **decisions** [AM11]. **decoupling** [BTI14]. **deduction** [FS93]. **deductive** [GM01]. **defect** [SM12]. **Defects** [AVY11]. **Degree** [FMMH+14]. **Degree-of-knowledge** [FMMH+14]. **Delta** [HT98, HVT98]. **dependence** [Dil97, SHR01, SRK06]. **dependences** [Jac95a, OSH04]. **dependencies** [BGO+14, Gun00, Rob08]. **dependency** [CY11, GL14]. **dependency-based** [CY11]. **dependency-driven** [GL14]. **Deployed** [AVY11]. **depth** [ZXLC14]. **Derive** [YBL15, XM08]. **derived** [IWY00]. **description** [DvdHT05, DJ97]. **descriptions** [AAG95, BAD08, WJ10]. **descriptors** [DER10]. **Desert** [Rei99]. **Design** [BPT10, EK11, MFLL12, SGR+15, BM07, BO92, BRRP05, BFN+14, CSC06, CR94, FBC+13, FP02, GGLT07, LL00, MRK+97, RS09, SS06, SB06, SGR+10, YTL+95, ZB13]. **Design-Pattern** [SGR+15]. **Designing** [BCC+01, DL11, XM07, CPPRM03]. **designs** [SB02]. **Detecting** [AVY11, MM13, ZSL+13, Jac95a, LS13]. **Detection** [LRCS14, MS14, RD15, SKBD14, XMA+14, ZAW92, FN03, Kuh99, SMT92, TK02, XR13]. **determination** [OLR+96]. **developer** [CF10, FMMH+14, Sin10]. **Developing** [HRD08, ZJW03, MGMM11]. **Development** [CFL+16, MS15, AM11, DvdHT05, EAS08, ELN+92, GJ08, KK93, MFH02, PSV01, SCK13, Tiw08]. **development-oriented** [AM11]. **deviations** [CDFG96]. **diagnosis** [NLR11]. **diagram** [BP05]. **diagrams** [BM13, Egy02, Esh06, LK14]. **DiaPro** [CST16]. **Differential** [MQLR16]. **DIG** [NKWF14]. **Digraphs** [EM15]. **Dijkstra**

[Ano02]. **Directed** [YPRK14]. **discipline** [KLV05]. **Discovering** [CW98, GL11]. **Discovery** [SPK14, GL14]. **discrete** [Ost99]. **Distributed** [Hie14, TG11, WME93, KK93, MU00]. **distribution** [TS09]. **diversity** [HAB13]. **Do** [CMM+15, LYYC14, SURL11, CAC08]. **documentation** [TBS92]. **Documenting** [SGR+15]. **documents** [SMT92]. **Does** [FSM+15]. **Domain** [HZS08, ZE14, BJMH02, BAD08, Hie09, JW94, SS06, ZAW92]. **Domain-specific** [HZS08, BJMH02, SS06]. **domain-testing** [JW94]. **domains** [Hie02]. **Double** [For94]. **driven** [BDL06, GL14]. **DSD** [CSX08]. **DSD-Crasher** [CSX08]. **duplication** [DER10]. **DynAlloy** [FPGA07]. **Dynamic** [CST16, NKWF14, XMA+14, CY11, DR10, FC00, FPB+05, GSH97, PJRR10]. **dynamically** [WGSD07]. **Dynamite** [MPF14].

E3 [JPL98]. **Easier** [CMM+15]. **editing** [BGdV92]. **Editorial** [DR15, GMRS03, Ghe05, Ghe07, Not07a, Not07b, Not07c, Not08a, Not08b, Not09, Not10, Not12, Not13, OGKW05, Ros13a, Ros14c, Ros14a, Ros14b, Ros16]. **Edsger** [Ano02]. **Effect** [GRS+16, HZBS14, RST+14, ZSL+13, Off92, Sin10, ZXLC14]. **Effect-Oriented** [ZSL+13]. **Effective** [FYD+08, RD15, CF10, Hen97, REM+04]. **Effectiveness** [CST16, CMM+15, GRS+16, MWK15, CM08]. **Efficiency** [CMM+15, LH02]. **Efficient** [AVY11, FPGA07, SRK06, dFLSV14, RH97]. **Efficiently** [DL11]. **Effort** [WOM15, AM11, BM07, GJ08, MY13]. **elaboration** [UKM04]. **Eliciting** [JPL98]. **Embedded** [BNB14, MFLL12, GGLT07]. **Emergent** [LBZ14]. **Empirical** [FSM+15, MBH09, BM07, BGH07, GHK+01, HT98, HVT98, MB07, MC08, MNGL98, SR05, Tiw08]. **emulators** [MPR+13]. **enabled** [VTA04]. **Enabledness** [DBGU13]. **Enabledness-based** [DBGU13]. **end** [Dev99, LASL13]. **end-user** [LASL13]. **Engineering** [DL11, DR15, MP14, OKS+16, ACF97, CDP04, ELvdH+05, KLV05, LASL13, RSB05, SR05, TBS92, UFG14, ZJ97]. **engineers** [HBB+09]. **Engines** [SURL11]. **enhanced** [SS06]. **Enhancing** [TS09]. **Enough** [CBRO16]. **environment** [ATW94, Bre95, FGMP03, Kli93, MRK+97, Rei99, RVMRM04, SN92, TY92]. **environments** [ACF97, DHW98, ELN+92, KK93, Kli93, MGP+13, PJRR10, PWD+99]. **equations** [BRG+01, KGA+12]. **Equivalence** [LH02, DSV03]. **Equivalent** [LCZL14]. **Errata** [AG98]. **error** [Kuh99, TK02]. **errors** [TD01, ZAW92]. **ESP** [Cia93]. **estimates** [GJ08]. **Estimating** [MB15, PBU16, BM07]. **Estimation** [PMM+99, WOM15, MY13, TZZ09]. **evaluate** [MGP+13]. **Evaluating** [LH08, WGG13]. **Evaluation** [FA14, MS15, CAC08, DBDS94, KK93, MBH09, XCKX13]. **evaluations** [SM12]. **Event** [ASMP16, BCTW96, CW98, DBPU13, Mem08]. **Event-Based** [ASMP16, BCTW96, CW98, DBPU13]. **every** [LYYC14]. **Evolution** [DR11, RM03, RVMRM04, SN92, THHB06, WGG13]. **Evolutionary** [HLL+16, Hen97, MBH09]. **evolvability** [CS12]. **evolving** [DCS09, QRLV12]. **EvoSuite** [FA14]. **Exact** [HKMB+14]. **Examples** [BS16]. **Exception** [CMP13, ZE14, RM03]. **Executables** [AEK+16]. **Execution** [YPRK14, AM04, Dil93, DHW98, SMAC08]. **experience** [CMCP+99, YTL+95]. **experiment** [BFN+14]. **Experimental** [CMM+15, DO93, DBDS94, OLR+96, SMT92]. **Experiments** [SGR+15, Ham09, YBL13]. **expert** [CF10, Kip92]. **Explicit** [BHB16].

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Gaia [DL11, ZJW03]. **Gaia-PL** [DL11]. **general** [CCX11]. **Generated** [CMM+15, LS13, WGSD07]. **Generating** [DRW96, IC14, Kli93]. **Generation** [FA14, FSM+15, vdBV96, EF05, FK96, FRB+06, HZS08, PWX14]. **Generative** [KAT12]. **Generator** [NKWF14, DO93]. **generic** [LL00]. **Genetic** [DBNG15]. **GENOA** [Dev99]. **Global** [CFL+16]. **Goals** [BBS16, DBPU13]. **governed** [MU00]. **GQM** [FLM+98]. **grained** [BRR01, DL13]. **grammars** [KGA+12]. **grammarware** [KLV05]. **Graph** [ARL+15, PTY95, MNGL98]. **graphical** [DKM+94, MRK+97]. **graphs** [SRK06]. **GreASE** [dFLSV14]. **growth** [JMS08]. **guarantee** [CAC08]. **GUI** [Mem08, XM07, XM08]. **GUI-based** [XM07]. **Guided** [PWX14]. **Guidelines** [GGZ+15].

HAMPI [KGA+12]. **handle** [LYYC14]. **handlers** [CMP13]. **Handling** [ZE14]. **hard** [CAC08]. **healing** [CMP13]. **Help** [FSM+15]. **heterogeneous** [MU00]. **Hierarchical** [YWC16, BO92, SLD+13, WJ10]. **hierarchies** [CCX11]. **hierarchy** [BM13, DFB99a, DFB99b, LY05]. **hierarchy-aware** [DFB99a, DFB99b]. **high** [CF03]. **high-quality** [CF03]. **Higher** [LWF03]. **Higher-order** [LWF03]. **history** [FM94]. **history-checking** [FM94]. **hosts** [MPR06]. **HOTTest** [SS06]. **human** [CDFG96]. **human-centered** [CDFG96]. **Hybrid** [GSH97, ZMM+16, CRST12, CSX08]. **Hybridized** [BBS16]. **hypotheses** [Hie02, Hie09].

ICSE [MP14]. **Identifying** [MVM07]. **III** [MKS+15]. **Impact** [CST16, ELvdH+05, Tiw08, EAS08, MA14, RSB05, SGG+14]. **implementation** [BO92, BPT10, LH08, SB02]. **implementing** [CDP04]. **implicit** [SPAK10]. **implied** [UKM04]. **Improved** [CST16]. **improvement** [SR05]. **Improving** [BGO+14, DPT13, GJ08, LH02]. **in-depth** [ZXLC14]. **inconsistencies** [CDFG96, GZ05]. **inconsistent** [HN98]. **Incremental** [UKM04, YPRK14, KK93, KF07]. **incrementally** [KKLS02]. **Index** [Ano96, TPT13]. **index-sensitive** [TPT13]. **inductive** [BG96]. **Industrial** [OKS+16, CMCP+99, FLM+98, SR05]. **Inference** [NBB15]. **inferring** [MG00]. **Inflow** [ZMM+16]. **influence** [Sin10]. **Information** [FSP+13, DFOT07, FBC+13, GSH97, MP09, PGM12, TZZ09, THHB06, Wey96, YHC13]. **information-theoretic** [YHC13]. **infrastructures** [BDL06]. **inheritance** [KKLS02]. **inheritance-based** [KKLS02]. **inner** [SAB+14]. **inspections** [BFN+14, PSMV98]. **installability** [VD13]. **Instances** [SGR+15]. **instruction** [AM04]. **Integer** [DLRA15]. **integrated** [CTCC98, ELN+92, PWD+99, SCK13]. **Integrating** [FRB+06, GSH97]. **integration** [BCTW96, BHR95, SN92, YHR92]. **Integrity** [MWK15]. **Intellectual** [CSV13]. **Intelligent** [PLM15]. **Interacting** [GRT09]. **Interaction** [AB12, MU00]. **Interaction-Based** [AB12]. **Interactions** [ASMP16, PWX14]. **interchangeability** [DPT13]. **interface** [CL94]. **Interfaces** [IC14, BRRP05, BTI14]. **international** [NP08, MP14]. **interpretation** [CSC06]. **interpreters** [BP05]. **Interprocedural** [OO92, SHR01, For94]. **interval** [CDSM10, DKM+94]. **interval-based** [CDSM10]. **Intrinsic** [CGPP15]. **Introduction** [HP15, MP14, NP08]. **Invariant** [NKWF14]. **Invariants** [NKWF14]. **investigating** [HBB+09]. **Investigation** [LRCS14, MC08]. **Investigations** [Off92]. **invocation** [SPAK10]. **Involvement** [ZMM+16]. **IP** [MR99]. **ISSTA** [NP08, HP15]. **Issue** [HP15, MP14]. **items** [Gun00]. **iterative** [For94].

J [TS09]. **J-Orchestra** [TS09]. **Java** [BS07, Cor00, HRD08, KM10, MRR05, RD15, TS09, XR13]. **JavaScript** [ASMP16]. **Johan** [Ano02]. **Join** [BTI14]. **Journal** [DR15]. **Journal-First** [DR15].

KBSE [DJ97]. **Key** [SAB+14]. **knowledge** [FMMH+14, KK04, MG00]. **knowledge-based** [KK04, MG00]. **Kristen** [Ano02].

label [ML00]. **Language** [WB13, BGdV92, CL94, CFM00, GZ05, JPL98, SHO95, TY92, WAF00, MRRR02]. **language-based** [BGdV92, WAF00]. **languages** [BJMH02, BHR95, CDSM10, DvdHT05, HZS08, KSD08, RSB05, vdBV96]. **Larch** [CL94]. **Larch/Smalltalk** [CL94]. **Large** [BNB14, DNRN15, FA14, MC08, PSV01]. **Large-Scale** [BNB14, FA14, PSV01]. **latent** [BGO+14]. **Lattice** [DDE11]. **Lattice-Based** [DDE11]. **Law** [MU00]. **Law-governed** [MU00]. **laws** [LSV08]. **layers** [SB02]. **lazy** [FC00]. **leak** [XR13]. **Learning** [BS16, HGW+16, MS15, BG96, MY13]. **legacy** [THHB06]. **Less** [PBU16]. **Level** [BNB14, AM04, CTCC98, KSD08, MMST14, Sin10]. **levels** [CTC01]. **lexical** [MN96]. **libraries** [ZW95]. **library** [OHDB92]. **life** [SS02]. **Lightweight** [MN96, Jac02]. **LIME** [MPR06]. **Line** [DL11]. **linear** [ZAW92].

lines [BJMH02, KATS12, MPG+13]. **linking** [FC00]. **links** [DFOT07]. **liveness** [DBPU13, SGE00]. **localization** [MA14, XCKX13, YHC13]. **locating** [TD01]. **location** [PGM12, ZZL+06]. **logic** [DKM+94, PMS13, TPT13, ZS97]. **logical** [FGL+12, MS94]. **logics** [DJ97]. **looking** [Not13, Ros13a]. **loop** [BHL11]. **loop-assigned** [BHL11]. **Loops** [RD15]. **LSCs** [MHK11]. **LTL** [BLS11].

machines [WJ10]. **macro** [Sin10]. **macro-level** [Sin10]. **Mae** [RVMRM04]. **majority** [MM13]. **Make** [CMM+15]. **management** [DFOT07, ELvdH+05, Jéz99]. **Managing** [HN98, RVMRM04]. **Manipulation** [MS14, BG98]. **Many** [HLL+16, MKS+15]. **Many-Objective** [HLL+16, MKS+15]. **Markov** [HGW+16, WP93]. **Marple** [LS13]. **marts** [BCC+01]. **matching** [ZW95, ZW97]. **Math** [SPK14]. **mathematical** [Sne96]. **MC** [GRS+16]. **MC/DC** [GRS+16]. **MDD** [MGP+13]. **means** [BG96]. **measurement** [GD08, MGP+13]. **Measuring** [MP09, CW99]. **mechanism** [MU00, WAF00]. **memoriam** [Ros13b]. **Memory** [AEK+16, XR13]. **Merging** [FDB+12, LDUD13]. **Message** [RGS12, CR94]. **meta** [Kli93, HZS08]. **meta-AspectJ** [HZS08]. **meta-environment** [Kli93]. **metalocking** [BS07]. **Metamodel** [PBO07]. **Metamodel-based** [PBO07]. **Method** [AB12, CF10, BRRP05, MG00, MM13]. **Method-Method** [AB12]. **Methodology** [LBZ14, CTC01, DCS09, FGL+12, FRB+06, HGS93, KSD08, MPR+13, MGMM11, RBL+01, SCK13, ZJW03]. **methods** [CMCP+99, DFOT07, DBDS94]. **Metric** [AB12, PMS13]. **metrics** [CSC06, KK04, MSW12, MB07]. **middleware** [EAS08, MPR06, VTA04]. **Migration** [SPK14]. **millions** [MPG+13]. **Minimal** [NL11]. **Mining** [BBS16, DNRN15, SPK14]. **missing** [MM13]. **mitigation** [MA14]. **Mixin** [SB02]. **Mobile** [RMP97, ZE14, CFM00, FGMP03, FC00, MZ09, MR99, PRM01]. **mobility** [MPR06, PRM01]. **Mockups** [RST+14]. **Model** [BS16, BDL06, BS07, BHB16, EBE+14, GRS+16, MMST14, NBB15, LDUD13, WOM15, BKM07, BGL00, CS12, Cal95, CDEG03, CW99, Dil93, Esh06, FGMP03, HAB13, JGB12, KF07, LL00, MS03, MN96, MPR06, ML00, NLR11, PBO07, RVMRM04, SMAC08, SS06, SGE00, TZZ09, VTA04, XM08]. **Model-based** [MMST14, HAB13, MS03, SS06, TZZ09]. **model-checking** [BGL00, CDEG03, FGMP03, KF07]. **Modeling** [BRG+01, FMMH+14, MFLL12, MR99, MRRR02, SLD+13, BCFM06, BAD08, CDP04, DCS09, DHW98, PWD+99, SB06]. **Modelling** [BZSW14, DGC14, Jac02]. **Models** [FDB+12, HLL+16, RGCS14, WB13, YBL15, BDL06, CMCP+99, CW98, Cor00, JPL98, MGP+13, MG00, MPF14, ODV+09, PTY95, SGG+14, SCK13, UKM04, YBL13]. **modern** [RSB05]. **modifiability** [SGG+14]. **Modular** [SGR+10, DvdHT05, FC00]. **modularity** [CS12, HE13, SPAK10]. **modularization** [BGO+14]. **monadic** [TPT13]. **Monitoring** [DDE11]. **motivations** [HBB+09]. **Mozilla** [MFH02]. **Multi** [BS16, CDEG03, OKS+16]. **Multi-Criteria** [OKS+16]. **Multi-Step** [BS16]. **Multi-valued** [CDEG03]. **Multiagent** [DL11, ZJW03]. **Multidimensional** [GL11]. **Multilevel** [DGC14]. **Multimodal** [MHK11]. **multinational** [Tiw08]. **multiobjective** [MY13]. **Multitolerant** [EK11]. **multiuser** [KK93]. **multiview** [PBO07]. **mutant** [OLR+96].

natural [GZ05]. **need** [LYYC14]. **nesting** [MBH09]. **Networks** [PLM15, Sin10]. **next** [HKMB+14]. **Non** [GGZ+15]. **Non-Adequate** [GGZ+15]. **nonanomalous** [DBPU13]. **Nonequivalence** [dFLSV14]. **noninteractive** [ZZL+06]. **noninterference** [DFG00]. **notation** [FP02, Jac02]. **notations** [BP05, CDP04]. **Notkin** [Ros13b]. **NSGA** [MKS+15]. **NSGA-III** [MKS+15]. **numerical** [SMAC08]. **Nygaard** [Ano02].

Obituary [Ano02]. **Object** [AB12, MS94, TG11, Cal95, CTCC98, CTC01, CSC06, DFB99a, DF94, Jac02, MRR05, RS09, RM03, SS02, SB02]. **Object-Oriented** [AB12, MS94, CTCC98, CTC01, CSC06, DFB99a, DF94, RS09, RM03, SB02]. **objected** [DFB99b]. **objected-oriented** [DFB99b]. **Objective** [HLL+16, MKS+15]. **obliviousness** [HE13]. **OBSERV** [TY92]. **observational** [PSV01]. **OCL** [QT12]. **Ole** [Ano02]. **Ole-Johan** [Ano02]. **Open** [RGCS14, MFH02, Sin10]. **Open-Source** [RGCS14, Sin10]. **operators** [OLR+96]. **opinion** [CF10]. **Optimal** [HLL+16]. **Optimization** [HLL+16]. **oracles** [XM07]. **Orchestra** [TS09]. **Order** [SGD15, LWF03, TPT13]. **organizational** [DCS09]. **Oriented** [AB12, ZSL+13, AM11, CTCC98, CTC01, CSC06, DFB99a, DFB99b, DF94, DR10, FGL+12, HE13, MS94, ODV+09, RS09, RM03, SB02, SGR+10]. **OSS** [ZMM+16]. **outcome** [GJ08]. **output** [KM10, QNR13]. **Overflow** [DLRA15]. **overlapping** [HaK92].

Pacemaker [BZSW14]. **Pan** [BGdV92]. **Parallel** [KK93, PSV01, RD15, SMAC08]. **Parameter** [TG11]. **parameterization** [BAD08]. **Parameterized** [MRR05]. **Parameters** [RGCS14]. **Part** [ELN+92]. **Partial** [FDB+12, PBU16, SGD15, XCCY10]. **Partial-Order** [SGD15]. **Passing** [TG11]. **Path** [DDE11, QNR13, SGD15, TPT13, LS13, SRK06]. **Path-** [TPT13]. **Path-Sensitive** [SGD15]. **Paths** [YWC16]. **Pattern** [SGR+15]. **patterns** [ZB13]. **Peer** [RGCS14]. **C** [DLRA15]. **DC** [GRS+16]. **Smalltalk** [CL94]. **Performance** [CFL+16, Tiw08]. **Personalized** [ZL13]. **Perspective** [FSP+13]. **pervasive** [MZ09, XCCY10]. **phase** [JGB12]. **philosophies** [MSW12]. **pilot** [XM08]. **PL** [DL11]. **Place** [MS15]. **Place-Aware** [MS15]. **Platys** [MS15]. **point** [BTI14]. **pointers** [OSH04]. **points** [LH08, MRR05]. **points-to** [LH08, MRR05]. **Policies** [BBS16, BLW09]. **Polychronous** [GGLT07]. **Polynomial** [NKWF14]. **Portfolio** [MPG+13]. **Post** [JMS08]. **Post-release** [JMS08]. **potentially** [ZXLC14]. **Power** [LSV08]. **practice** [ELvdH+05]. **pragmatic** [HW12]. **Precise** [AB12, LRCS14, XR13]. **Prediction** [ZL13, ZXLC14]. **Predictive** [LRCS14, HZZ13]. **preliminary** [YTL+95]. **presence** [FYD+08, FC00, Hie02, OSH04]. **preserving** [YHR92]. **Prevalence** [MA14]. **PRIME** [PWD+99, MGMM11]. **Prioritization** [EM15, HZZ+14, YHC13]. **Privacy** [BBS16, ML00]. **Probabilistic** [PBU16, JGB12]. **Problem** [SKBD14, HKMB+14, MY13]. **procedure** [BHR95, MGP+13]. **Process** [BCFM06, LDUD13, ACF97, BCD02, BAD08, CW99, DHW98, GRT09, JPL98, ODV+09, PWD+99, SR05, SHO95]. **process-centered** [ACF97]. **process-integrated** [PWD+99]. **process-oriented** [ODV+09]. **Processes** [HGW+16, Cia93, CW98, DCS09, FGMP03]. **processing** [ATW94, Bre95]. **Product** [DL11, HLL+16, BJMH02, KATS12, MC08]. **product-lines** [BJMH02]. **production** [TBS92]. **products** [JMS08]. **profiling** [XR13]. **Program**

[BHR95, GRS+16, MTRK14, YWC16, BG96, BGH07, BG98, DBGU13, EF05, GN93, HZS08, KM10, LH02, OSH04, YHR92]. **Programming** [DBNG15, KAT12, MZ09, HE13, Kli93, RSB05, SHO95]. **Programs** [EK11, IC14, CTCC98, CF03, Cor00, DF94, FC00, HZZ13, MP09, PTY95, QRLV12, SMAC08, TS09, YTL+95]. **project** [Sin10]. **Projections** [MQLR16]. **Projects** [RGCS14, ZMM+16]. **Proof** [FC00]. **proofs** [KKLS02]. **Properties** [LBZ14, CK99, DCCN04, FPB+05, JGB12, Sin10, SGE00]. **Property** [CSV13, DDE11, NBB15]. **Protecting** [ML00]. **protocol** [Ber94, Pet97]. **protocols** [CJM00, DFG00, PBCT10]. **prototyping** [TY92]. **provenance** [MGMM11]. **provenance-aware** [MGMM11]. **Publication** [DR15]. **purely** [FPB+05]. **PVS** [MPF14].

QoS [VTA04]. **QoS-enabled** [VTA04]. **quality** [CF03, GL14, MGP+13]. **quantitatively** [CW99]. **queries** [WGSD07]. **query** [PJRR10, WGG13]. **questions** [KM10]. **QVM** [AVY11].

Race [RD15]. **rationale** [FBC+13, YTL+95]. **reachability** [CK96, CK99, PTY95]. **reactive** [FS93]. **real** [Cal95, FM94, FP02, GGLT07, MRK+97, Ost99, Pon02, SLD+13, WME93]. **real-time** [Cal95, FM94, FP02, GGLT07, MRK+97, Ost99, Pon02, SLD+13, WME93]. **Really** [FSM+15]. **Reasoning** [EBE+14, FPB+05, GZ05, PRM01, CAC08, HN98, RMP97, VTA04]. **Recommenders** [AM11]. **Recommending** [DR11]. **recompilation** [ATW94, Bre95]. **Recomposition** [BBS16]. **Reconciling** [SN92]. **Recovering** [DFOT07]. **reduce** [Cor00]. **reduced** [Ber94, Pet97]. **Reducing** [AM11]. **reduction** [DBDS94]. **Redundancy** [CGPP15, HZZ13]. **Reengineering** [Sne96, CF03]. **Refactoring** [FSP+13, OKS+16, SGL12]. **referees** [ACM05]. **reference** [BCC92]. **refinement** [Ost99]. **refinements** [SB02]. **reflective** [LL00]. **region** [DER10]. **regression** [BRR01, GHK+01, Mem08, RH97, REM+04]. **regular** [KGA+12]. **Regulatory** [GL11]. **Reifying** [Jéz99]. **reimplementation** [CF03]. **Relatedness** [MB15]. **Relational** [MWK15, FPB+05]. **release** [HKMB+14, JMS08]. **relevant** [MPG+13]. **Reliability** [ZL13, JMS08, PMM+99, Wey96]. **Remodularization** [CBRO16, MKS+15]. **Removing** [LCZL14, HZZ13]. **Repair** [NBB15]. **repairing** [Mem08]. **report** [AM11]. **repositories** [Hen97]. **Repository** [DNRN15]. **Representation** [EW11]. **representations** [BGL00]. **Representing** [RM07, DER10]. **Reproducing** [JO15]. **Required** [LK14]. **Requirements** [GL11, RST+14, CRST12, CD98, GM01, GZ05, HJL96, SMT92, SR05, UFG14, ZJ97]. **research** [EAS08, ELvdH+05, RSB05]. **Residual** [LRCS14]. **response** [TAW95]. **restructuring** [BG98, GN93]. **results** [DO93, PJRR10]. **retargetable** [Dev99]. **Retention** [ZMM+16]. **Retrieval** [SURL11, DFOT07, PGM12]. **Retrieving** [PP93]. **reusable** [BO92, PP93]. **Reuse** [FSP+13, EF05, Hen97, HW12, MC08, OHDB92]. **reverse** [AM04]. **Review** [RGCS14, HBB+09]. **Reviewers** [ACM03]. **revisit** [CCX11]. **revisited** [GD08]. **Rewards** [PBU16]. **rewriting** [VKV03]. **Risk** [GL11, LBZ14, XCKX13]. **role** [GJ08]. **router** [CR94]. **rule** [Cia93, Kip92, MM13]. **rule-based** [Cia93, Kip92]. **Rules** [MFLL12, KK04]. **Runtime** [AVY11, BLS11, XMA+14, BLW09].

safe [BRR01, BTI14, RH97]. **safety** [BFN+14, CK99, SGE00, SRK06].

SAFKASI [WAF00]. **Sampling** [DDE11, PP93, PMM+99]. **satisfiability** [BM13, PMS13]. **Sator** [BPT10]. **Scala** [ARL+15]. **Scalable** [XMA+14, BRRP05, HKMB+14, HAB13]. **Scale** [BNB14, DNRN15, FA14, PSV01]. **Scaling** [HZZ13, LCZL14]. **scenario** [UKM04, WJ10]. **scenario-based** [UKM04]. **Scenarios** [MHK11, UKM04]. **Schedule** [MQLR16]. **Schema** [MWK15, NL11]. **Schemas** [QT12]. **scientific** [CY11, EF05, LYYC14]. **Screen** [RST+14]. **Search** [BS16, OKS+16, SURL11, SED14]. **Search-Based** [OKS+16]. **Searching** [MPG+13]. **second** [TPT13]. **second-order** [TPT13]. **section** [NP08]. **security** [BDL06, BLW09, CJM00, WAF00]. **segments** [LS13]. **Selection** [HLL+16, BRR01, CY11, GHK+01, RH97]. **selective** [ATW94, Bre95]. **self** [PJRR10]. **self-assessment** [PJRR10]. **Semantic** [BAD08, MB15, PJRR10, MG00]. **Semantics** [LK14, HN96, YHR92]. **semantics-preserving** [YHR92]. **Sensing** [BZSW14]. **Sensitive** [SGD15, Bro93, Cal95, For94, LH08, TPT13]. **sensitivity** [HKMB+14, MRR05]. **Sequence** [RGS12, LK14, Mem08]. **sequence-based** [Mem08]. **sequencing** [OO92]. **service** [BPT10, DPT13, FGL+12, HWH14, PBCT10]. **service-oriented** [FGL+12]. **Services** [ZL13, BKM07]. **sets** [Hie02]. **shape** [Cor00]. **shuttle** [CD98]. **Side** [EWS14]. **Side-Channel** [EWS14]. **signal** [BRG+01]. **Signature** [ZW95]. **Significant** [HZBS14]. **similarity** [OHDB92]. **simplified** [JW94]. **Simulating** [FS93]. **simulation** [KKLS02]. **SIP** [HLL+16]. **size** [BGH07, GD08, HGS93, MGP+13, TZZ09, ZXLC14]. **slice** [BGH07, MB07]. **slice-based** [MB07]. **slices** [BFN+14]. **Slicing** [XMA+14, GSH97, LH02, TD01]. **slicing-based** [TD01]. **Small** [HZBS14, Sin10]. **small-world** [Sin10]. **SMC** [SGE00]. **Smell** [SKBD14]. **Smells** [HZBS14]. **SNIAFL** [ZZL+06]. **Software** [BNB14, CBRO16, CW99, CFL+16, DHW98, DR15, DNRN15, EWS14, EF05, EW11, FSM+15, HH95, MFLL12, MY13, MKS+15, MP14, OKS+16, RGCS14, WB13, WOM15, YQTR15, AAG95, ACF97, BCTW96, BO92, BGO+14, BCD02, CS12, CTC01, CM08, Cia93, CW98, CDP04, CD98, DvdHT05, DFOT07, DCCN04, ELN+92, ELvdH+05, FK96, FLM+98, GJ08, Gun00, HBB+09, Hen97, HW12, JPL98, JMS08, KK93, LASL13, LSV08, MMST14, MRRR02, MSW12, MFH02, MC08, NLR11, NP08, Off92, ODV+09, PSV01, PP93, PMM+99, PSMV98, Rob08, RSB05, SRK06, SN92, SHO95, TZZ09, Tiw08, TBS92, UFG14, VD13, WP93, WGG13, XM07, XR13, ZW95, ZW97]. **solver** [KGA+12]. **Solving** [SED14]. **Some** [HZBS14]. **Source** [DNRN15, MB15, RGCS14, SGR+15, SED14, Dev99, DER10, MFH02, MN96, RM07, SGG+14, Sin10, SAB+14]. **Source-Code** [DNRN15, SGR+15, SGG+14]. **sources** [PSMV98]. **space** [CD98, DBDS94]. **Special** [HP15, MP14, NP08]. **specialization** [SS02]. **specific** [BJMH02, BGL00, HZS08, SS06]. **Specification** [ZW97, Bro93, CDSM10, CL94, CR94, ELN+92, FN03, Kuh99, LY05, MS94, PPP94, RMP97, TK02, WME93]. **specification-based** [Kuh99, LY05, TK02]. **specifications** [CCX11, DSV03, FM94, HJL96, HRD08, HN98, Jac95b, KB07, MMST14, MS03, Pon02, PMS13, UKM04, WP93, FPGA07]. **specify** [CFM00]. **specifying** [DKM+94]. **spectra** [NLR11]. **spectra-based** [NLR11]. **spectrum** [MSW12, XCKX13]. **spectrum-based** [XCKX13]. **spi** [DSV03]. **spreadsheet** [FRB+06]. **spreadsheets** [RBL+01]. **Stack** [AEK+16]. **State** [MS14, WB13, Cor00, DBDS94, WJ10]. **State-Based** [WB13]. **statecharts**

[BRG+01, HaK92, HN96]. **stateful** [SLD+13]. **STATEMATE** [HN96]. **States** [LCZL14]. **Static** [IWY00, RD15, RM03, WGSD07, BGH07, FPB+05, GSH97, MNGL98, OO92, ZZL+06]. **Statistical** [RGCS14]. **Step** [BS16]. **Stepwise** [EK11]. **Stochastic** [CFL+16]. **strategy** [JW94]. **stratified** [PMM+99]. **strength** [MP09]. **Stress** [DBNG15]. **string** [TPT13]. **strings** [KGA+12]. **Structural** [Kip92]. **Structure** [GRS+16, WB13, RM03]. **structured** [BP98]. **Structuring** [Jac95b]. **studies** [BM07, CD98, HBB+09, MFH02]. **Study** [FSM+15, OKS+16, ZE14, ZMM+16, BJMH02, BRR01, BGH07, CF10, GHK+01, MB07, MNGL98, PSV01, SMT92, SR05, Tiw08, TBS92, XM08, ZXLC14]. **style** [AAG95]. **success** [Sin10]. **sufficient** [OLR+96]. **suite** [Ber94, HGS93, Pet97, REM+04, YTL+95]. **Suites** [GGZ+15, Mem08]. **Support** [DBNG15, JO15, SURL11, BFN+14, HWH14, MS03, RM03]. **Supporting** [BG98, DR10, Ham09, MPR06]. **Symbolic** [AEK+16, BHB16, Esh06, LCZL14, RGS12, YPRK14, BGL00, CDEG03, QNR13, SMAC08]. **symmetry** [SGE00]. **symmetry-based** [SGE00]. **symposium** [NP08]. **synthesis** [MMST14]. **synthesized** [PWX14]. **Synthesizing** [DBPU13, WJ10, DL13]. **SysML** [BFN+14]. **System** [LBZ14, PBU16, BGdV92, CDSM10, IWY00, MMST14, MG00, OHDB92, RVMRM04, TBS92, WME93]. **system-level** [MMST14]. **systematic** [HBB+09, MS03]. **Systematizing** [HW12]. **Systems** [AVY11, BNB14, DL11, TG11, BO92, BCD02, Bro93, Cal95, CMP13, CY11, CFM00, CRST12, CDFG96, DFOT07, DJ97, DKM+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]. **tailoring** [CF10]. **Task** [DBNG15, BBS16, Dil97, SCK13]. **tasking** [Dil93]. **Tasks** [FSP+13]. **taxonomy** [UFG14]. **Teams** [CFL+16]. **technique** [KKLS02, RH97, SS06, SB02]. **Techniques** [RD15, BRR01, GHK+01, SM12]. **technology** [EAS08]. **telecom** [MC08]. **telecommunication** [Zav04]. **Temporal** [CY11, Pon02, LYYC14, PMS13]. **Term** [VKV03]. **termination** [Dil97]. **Terms** [WB13]. **Test** [CMM+15, DPT13, EM15, FA14, FSM+15, GRS+16, GGZ+15, HZZ+14, IC14, KB07, MWK15, Ber94, BRR01, DO93, FK96, FRB+06, GHK+01, HGS93, HAB13, Hie02, Hie09, KSD08, Mem08, PWX14, Pet97, RH97, REM+04, SS06, UFG14, XM07]. **Test-and-adapt** [DPT13]. **test-selection** [BRR01]. **testability** [BHL11, MBH09]. **Testers** [FSM+15]. **Testing** [DBNG15, BG96, Hie14, NL11, Ber94, CTCC98, CTC01, CM08, DRW96, DF94, DSV03, FRB+06, Ham09, HAB13, Hie09, JW94, KSD08, Kip92, Kuh99, LY05, MPR+13, MBH09, Mem08, MS03, NP08, Off92, OSH04, Pet97, RBL+01, REM+04, SS06, SM12, TM14, TK02, Wey96, XM08, ZAW92]. **testing-based** [Ham09]. **Tests** [SPK14, ZE14]. **Their** [WB13, MPG+13]. **theoretic** [YHC13]. **theoretical** [XCKX13]. **Theory** [FSP+13, RGCS14, HBB+09, Ham09, PPP94]. **Three** [BM07, ZMM+16, CSC06]. **time** [Bro93, Cal95, FM94, FP02, GGLT07, MS94, MRK+97, Ost99, Pon02, SLD+13, WME93]. **time-critical** [MS94]. **time-sensitive** [Bro93, Cal95]. **timed** [PBCT10, SLD+13]. **TLTL** [BLS11]. **Tool** [dFLSV14, CSX08, ELN+92, MS03, MPF14, YTL+95, ZW95]. **Tools** [FSP+13, Ham09, DRW96, Tiw08]. **topics** [BGO+14]. **Topology** [Rob08]. **TOTA** [MZ09]. **trace** [HZZ13].

Traceability [BFN+14, DFOT07]. **tracking** [DER10]. **Trading** [HE13]. **transformation** [BHL11, CF03, MBH09]. **Transformations** [BS16, YHR92]. **Transforming** [MHK11, BHL11]. **transition** [YBL13]. **translation** [Zav04]. **traversal** [VKV03]. **triage** [AM11]. **Triggering** [ZSL+13]. **TRIO** [FM94]. **trustability** [HH95]. **Two** [MFH02, JGB12]. **two-phase** [JGB12]. **Type** [ARL+15, KATS12, SGD15, BGL00, TD01]. **Type-Based** [ARL+15, SGD15]. **type-specific** [BGL00]. **Types** [SPAK10]. **typestate** [FYD+08].

Ultra [DNRN15]. **Ultra-Large-Scale** [DNRN15]. **UML** [BM13, BDL06, Esh06, MFLL12, QT12, SGG+14, SB06, YBL15]. **UML-B** [SB06]. **unbounded** [JGB12]. **uncertainty** [GJ08]. **Understand** [GL11, AAG95]. **Understanding** [ASMP16, DLRA15, PSMV98]. **Unified** [HZZ+14, ZS97, MRRR02]. **Unifying** [CST16, RS09]. **Unit** [FA14, FSM+15, KSD08, SPK14]. **Unit-level** [KSD08]. **UNITY** [MR99, PRM01, RMP97]. **until** [JGB12]. **upper** [CM08]. **usages** [MPG+13]. **Use** [DGC14, SCK13, YBL15, DJ97, HBB+09, YBL13]. **user** [BRRP05, LASL13, SMT92]. **Using** [BBS16, CBRO16, CFM00, Cor00, EM15, FA14, HLL+16, MVM07, MGP+13, MKS+15, OKS+16, Wey96, XM08, XMA+14, CK99, DFOT07, DFG00, IWY00, KK04, LS13, LH08, ML00, PGM12, SLD+13, UKM04, XR13, ZW95]. **utility** [CSC06].

Validate [ZE14]. **Validating** [FM94, MSW12]. **Validation** [CRST12, QT12, CW99, DBGU13]. **value** [FBC+13, Hie06]. **valued** [CDEG03]. **Variable** [CST16]. **variants** [Jéz99]. **Variation** [EW11, PSMV98]. **Verdict** [Hie09]. **Verification** [BLS11, CSV13, EWS14, HGW+16, NBB15, QT12, BGL00, CDSM10, CY11, DSV03, FGL+12, FGMP03, FYD+08, FC00, MPF14, SGE00, WME93]. **verify** [SMAC08]. **Verifying** [CJM00, DCCN04, SLD+13]. **versioning** [ZS97]. **via** [BGO+14, PWX14, ZAW92]. **Views** [DL13, Jac95b]. **violation** [LYYC14]. **violations** [MM13]. **virtual** [DHW98, Pon02]. **visual** [CDP04, Dil93, KSD08, MG00]. **visualization** [BG98]. **Vulnerabilities** [MS14].

warehouses [BCC+01]. **Weak** [FDB+12]. **web** [LASL13, BM07, BCFM06, BPT10, CGPP15, NBB15, SURL11, ZL13]. **web-centred** [LASL13]. **Weighted** [HGW+16]. **Well** [SURL11]. **white** [CTCC98]. **within** [DHW98]. **word** [KGA+12]. **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

Abowd:1995:FSU

[AAG95] Gregory D. Abowd, Robert Allen, and David Garlan. Formalizing style to understand descriptions of software architecture. *ACM Transactions on Software Engineering and Methodology*, 4(4):319–364, October 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/.

AlDallal:2012:PMM

[AB12] Jehad Al Dallal and Lionel C. Briand. A precise method-method interaction-based cohesion metric for object-oriented classes. *ACM Transactions on Software Engineering and Methodology*, 21 (2):8:1–8:??, March 2012. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Ambriola:1997:APC

[ACF97] Vincenzo Ambriola, Reidar Conradi, and Alfonso Fuggetta. Assessing process-centered software engineering environments. *ACM Transactions on Software Engineering and Methodology*, 6(3):283–328, July 1997. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1997-6-3/p283-ambriola/p283-ambriola.pdf; http://www.acm.org/pubs/citations/journals/tosem/1997-6-3/p283-ambriola/.

Staff:2003:R

[ACM03] ACM Transactions on Software Engineering and Methodology staff. Reviewers 2002. *ACM Transactions on Software Engineering and Methodology*, 12(1): 105, 2003. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Staff:2005:AR

[ACM05] ACM Transactions on Software Engineering and Methodology staff. Acknowledgement of referees 2004. *ACM Transactions on Software Engineering and Methodology*, 14(2):246, April 2005. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Anand:2016:SMA

[AEK+16] Kapil Anand, Khaled Elwazeer, Aparna Kotha, Matthew Smithson, Rajeev Barua, and Angelos Keromytis. A stack memory abstraction and symbolic analysis framework for executables. *ACM Transactions on Software Engineering and Methodology*, 25(2):19:1–19:??, May 2016. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Allen:1997:FBA

[AG97] Robert Allen and David Garlan. A formal basis for architectural connection. *ACM Transactions on Software Engineering and Methodology*, 6(3):213–249, July 1997. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1997-6-3/p213-allen/p213-allen.pdf; http://www.acm.org/pubs/citations/

journals/tosem/1997-6-3/p213-allen/. See errata [AG98].

Allen:1998:EFB

[AG98] Robert Allen and David Garlan. Errata: "A formal basis for architectural connection". *ACM Transactions on Software Engineering and Methodology*, 7(3):333–334, July 1998. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1998-7-3/p333-allen/p333-allen.pdf; http://www.acm.org/pubs/citations/journals/tosem/1998-7-3/p333-allen/. See [AG97].

Akgul:2004:AIL

[AM04] Tankut Akgul and Vincent J. Mooney III. Assembly instruction level reverse execution for debugging. *ACM Transactions on Software Engineering and Methodology*, 13(2):149–198, April 2004. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Anvik:2011:REB

[AM11] John Anvik and Gail C. Murphy. Reducing the effort of bug report triage: Recommenders for development-oriented decisions. *ACM Transactions on Software Engineering and Methodology*, 20(3):10:1–10:??, August 2011. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Anonymous:1996:AI

[Ano96] Anonymous. Author index. *ACM Transactions on Software Engineering and Methodology*, 5(4):422–423, October 1996. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1996-5-4/p422-authorindex/p422-authorindex.pdf; http://www.acm.org/pubs/citations/journals/tosem/1996-5-4/p422-author_index/; http://www.acm.org/pubs/citations/journals/tosem/1996-5-4/p422-author_index/.

Anonymous:2002:OOJ

[Ano02] Anonymous. Obituary: Ole-Johan Dahl, 1931–2002; Edsger Wybe Dijkstra, 1930–2002; Kristen Nygaard, 1926–2002. *ACM Transactions on Software Engineering and Methodology*, 11(4):385, 2002. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Ali:2015:TBC

[ARL+15] Karim Ali, Marianna Rapoport, Ondrej Lhoták, Julian Dolby, and Frank Tip. Type-based call graph construction algorithms for Scala. *ACM Transactions on Software Engineering and Methodology*, 25(1):9:1–9:??, December 2015. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Alimadadi:2016:UJE

[ASMP16] Saba Alimadadi, Sheldon Sequeira, Ali Mesbah, and Karthik Pattabiraman. Understanding JavaScript event-based interactions with Clematis. *ACM Transactions on Software Engineering and Methodology*, 25 (2):12:1–12:??, May 2016. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Adams:1994:CSR

[ATW94] Rolf Adams, Walter Tichy, and Annette Weinert. The cost of selective recompilation and environment processing. *ACM Transactions on Software Engineering and Methodology*, 3(1):3–28, January 1994. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1994-3-1/p3-adams/p3-adams.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1994-3-1/p3-adams/`. See comment [Bre95, TAW95].

Arnold:2011:QER

[AVY11] Matthew Arnold, Martin Vechev, and Eran Yahav. QVM: An efficient runtime for detecting defects in deployed systems. *ACM Transactions on Software Engineering and Methodology*, 21(1): 2:1–2:??, December 2011. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Breaux:2008:SPP

[BAD08] Travis D. Breaux, Annie I. Antón, and Jon Doyle. Semantic parameterization: a process for modeling domain descriptions. *ACM Transactions on Software Engineering and Methodology*, 18(2):5:1–5:??, November 2008. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Bhatia:2016:MPG

[BBS16] Jaspreet Bhatia, Travis D. Breaux, and Florian Schaub. Mining privacy goals from privacy policies using hybridized task recomposition. *ACM Transactions on Software Engineering and Methodology*, 25(3): 22:1–22:??, August 2016. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Basili:1992:RAC

[BCC92] Victor R. Basili, Gianluigi Caldiera, and Giovanni Cantone. A reference architecture for the component factory. *ACM Transactions on Software Engineering and Methodology*, 1(1):53–80, January 1992. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1992-1-1/p53-basili/p53-basili.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1992-1-1/p53-basili/`.

Bonifati:2001:DDM

[BCC+01] Angela Bonifati, Fabiano Cattaneo, Stefano Ceri, Alfonso Fuggetta, and Stefano Paraboschi. Designing data marts for data warehouses. *ACM Transactions on Software Engineering and Methodology*, 10(4): 452–483, October 2001. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Bernardo:2002:AFS

[BCD02] Marco Bernardo, Paolo Ciancarini, and Lorenzo Donatiello. Architecting families of software systems with process algebras. *ACM Transactions on Software Engineering and Methodology*, 11(4):386–426, 2002. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Brambilla:2006:PMW

[BCFM06] Marco Brambilla, Stefano Ceri, Piero Fraternali, and Ioana Manolescu. Process modeling in Web applications. *ACM Transactions on Software Engineering and Methodology*, 15(4): 360–409, October 2006. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Barrett:1996:FEB

[BCTW96] Daniel J. Barrett, Lori A. Clarke, Peri L. Tarr, and Alexander E. Wise. A framework for event-based software integration. *ACM Transactions on Software Engineering and Methodology*, 5(4):378–421, October 1996. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1996-5-4/p378-barrett/p378-barrett.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1996-5-4/p378-barrett/`.

Basin:2006:MDS

[BDL06] David Basin, Jürgen Doser, and Torsten Lodderstedt. Model driven security: From UML models to access control infrastructures. *ACM Transactions on Software Engineering and Methodology*, 15(1):39–91, January 2006. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Bernhard:1994:RTS

[Ber94] Philip J. Bernhard. A reduced test suite for protocol conformance testing. *ACM Transactions on Software Engineering and Methodology*, 3(3):201–220, July 1994. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1994-3-3/p201-bernhard/p201-bernhard.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1994-3-3/p201-bernhard/`. See comments [Pet97].

Briand:2014:TSD

[BFN+14] Lionel Briand, Davide Falessi,

Shiva Nejati, Mehrdad Sabetzadeh, and Tao Yue. Traceability and SysML design slices to support safety inspections: a controlled experiment. *ACM Transactions on Software Engineering and Methodology*, 23(1): 9:1–9:??, February 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Bergadano:1996:TMI

[BG96] Francesco Bergadano and Daniele Gunetti. Testing by means of inductive program learning. *ACM Transactions on Software Engineering and Methodology*, 5(2):119–145, April 1996. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1996-5-2/p119-bergadano/p119-bergadano.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1996-5-2/p119-bergadano/`.

Bowdidge:1998:SRD

[BG98] Robert W. Bowdidge and William G. Griswold. Supporting the restructuring of data abstractions through manipulation of a program visualization. *ACM Transactions on Software Engineering and Methodology*, 7(2):109–157, April 1998. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1998-7-2/p109-bowdidge/p109-bowdidge.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1998-7-2/p109-bowdidge/`.

Ballance:1992:PLB

[BGdV92] Robert A. Ballance, Susan L. Graham, and Michael L. Van de Vanter. The Pan language-based editing system. *ACM Transactions on Software Engineering and Methodology*, 1(1):95–127, January 1992. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1992-1-1/p95-ballance/p95-ballance.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1992-1-1/p95-ballance/`.

Binkley:2007:ESS

[BGH07] David Binkley, Nicolas Gold, and Mark Harman. An empirical study of static program slice size. *ACM Transactions on Software Engineering and Methodology*, 16(2):8:1–8:??, April 2007. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Bultan:2000:CMC

[BGL00] Tevfik Bultan, Richard Gerber, and Christopher League. Composite model-checking: verification with type-specific symbolic representations. *ACM Transactions on Software Engineering and Methodology*, 9(1):3–50, January 2000. CODEN

ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/2000-9-1/p3-bultan/p3-bultan.pdf; http://www.acm.org/pubs/citations/journals/tosem/2000-9-1/p3-bultan/.

Bavota:2014:ISM

[BGO+14] Gabriele Bavota, Malcom Gethers, Rocco Oliveto, Denys Poshyvanyk, and Andrea de Lucia. Improving software modularization via automated analysis of latent topics and dependencies. *ACM Transactions on Software Engineering and Methodology*, 23(1):4:1–4:??, February 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Bauch:2016:CED

[BHB16] Petr Bauch, Vojtech Havel, and Jirí Barnat. Control explicit-data symbolic model checking. *ACM Transactions on Software Engineering and Methodology*, 25(2):15:1–15:??, May 2016. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Binkley:2011:FTT

[BHL11] David W. Binkley, Mark Harman, and Kiran Lakhotia. FlagRemover: a testability transformation for transforming loop-assigned flags. *ACM Transactions on Software Engineering and Methodology*, 20(3):12:1–12:??, August 2011. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Binkley:1995:PIL

[BHR95] David Binkley, Susan Horwitz, and Thomas Reps. Program integration for languages with procedure calls. *ACM Transactions on Software Engineering and Methodology*, 4(1):3–35, January 1995. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1995-4-1/p3-binkley/p3-binkley.pdf; http://www.acm.org/pubs/citations/journals/tosem/1995-4-1/p3-binkley/.

Batory:2002:AET

[BJMH02] Don Batory, Clay Johnson, Bob Macdonald, and Dale Von Heeder. Achieving extensibility through product-lines and domain-specific languages: a case study. *ACM Transactions on Software Engineering and Methodology*, 11(2):191–214, 2002. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Broy:2007:FMS

[BKM07] Manfred Broy, Ingolf H. Krüger, and Michael Meisinger. A formal model of services. *ACM Transactions on Software Engineering and Methodology*, 16(1):5:1–5:??, February 2007. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Bauer:2011:RVL

[BLS11] Andreas Bauer, Martin Leucker, and Christian Schallhart. Runtime verification for LTL and TLTL. *ACM Transactions on Software Engineering and Methodology*, 20(4):14:1–14:??, September 2011. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Bauer:2009:CER

[BLW09] Lujo Bauer, Jay Ligatti, and David Walker. Composing expressive runtime security policies. *ACM Transactions on Software Engineering and Methodology*, 18(3):9:1–9:??, May 2009. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Baresi:2007:TES

[BM07] Luciano Baresi and Sandro Morasca. Three empirical studies on estimating the design effort of Web applications. *ACM Transactions on Software Engineering and Methodology*, 16 (4):15:1–15:??, September 2007. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Balaban:2013:FSU

[BM13] Mira Balaban and Azzam Maraee. Finite satisfiability of UML class diagrams with constrained class hierarchy. *ACM Transactions on Software Engineering and Methodology*, 22 (3):24:1–24:??, July 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Behjati:2014:ALC

[BNB14] Razieh Behjati, Shiva Nejati, and Lionel C. Briand. Architecture-level configuration of large-scale embedded software systems. *ACM Transactions on Software Engineering and Methodology*, 23(3):25:1–25:??, May 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Batory:1992:DIH

[BO92] Don Batory and Sean O'Malley. The design and implementation of hierarchical software systems with reusable components. *ACM Transactions on Software Engineering and Methodology*, 1(4):355–398, October 1992. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1992-1-4/p355-batory/p355-batory.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1992-1-4/p355-batory/`.

Baresi:1998:TFS

[BP98] Luciano Baresi and Mauro Pezzè. Toward formalizing structured analysis. *ACM Transactions on Software Engineering and Methodology*, 7(1):80–107, January 1998. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392

(electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1998-7-1/p80-baresi/p80-baresi.pdf; http://www.acm.org/pubs/citations/journals/tosem/1998-7-1/p80-baresi/.

Baresi:2005:FID

[BP05] Luciano Baresi and Mauro Pezzè. Formal interpreters for diagram notations. *ACM Transactions on Software Engineering and Methodology*, 14(1):42–84, January 2005. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Brogi:2010:DIS

[BPT10] Antonio Brogi, Razvan Popescu, and Matteo Tanca. Design and implementation of Sator: a Web service aggregator. *ACM Transactions on Software Engineering and Methodology*, 19(3): 10:1–10:??, January 2010. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Brett:1995:CCS

[Bre95] Bevin R. Brett. Comments on "The cost of selective recompilation and environment processing". *ACM Transactions on Software Engineering and Methodology*, 4(2):214–216, April 1995. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1995-4-2/p214-brett/p214-brett.pdf; http://www.acm.org/pubs/citations/journals/tosem/1995-4-2/p214-brett/. See [ATW94, TAW95].

Beauvais:2001:MSA

[BRG+01] J.-R. Beauvais, E. Rutten, T. Gautier, R. Houdebine, P. Le Guernic, and Y.-M. Tang. Modeling statecharts and activitycharts as signal equations. *ACM Transactions on Software Engineering and Methodology*, 10(4): 397–451, October 2001. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Broy:1993:FST

[Bro93] Manfred Broy. Functional specification of time-sensitive communicating systems. *ACM Transactions on Software Engineering and Methodology*, 2(1): 1–46, January 1993. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1993-2-1/p1-broy/p1-broy.pdf; http://www.acm.org/pubs/citations/journals/tosem/1993-2-1/p1-broy/.

Bible:2001:CSC

[BRR01] John Bible, Gregg Rothermel, and David S. Rosenblum. A comparative study of coarse- and fine-grained safe regression test-selection techniques. *ACM Transactions on Software Engineering and Methodology*, 10(2):149–183, April 2001. CODEN ATSMER. ISSN

1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/2001-10-2/p149-bible/p149-bible.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/2001-10-2/p149-bible/`.

Berstel:2005:SFM

[BRRP05] Jean Berstel, Stefano Crespi Reghizzi, Gilles Roussel, and Pierluigi San Pietro. A scalable formal method for design and automatic checking of user interfaces. *ACM Transactions on Software Engineering and Methodology*, 14(2):124–167, April 2005. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Basu:2007:MCJ

[BS07] Samik Basu and Scott A. Smolka. Model checking the Java metalocking algorithm. *ACM Transactions on Software Engineering and Methodology*, 16(3):12:1–12:??, July 2007. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Baki:2016:MSL

[BS16] Islem Baki and Houari Sahraoui. Multi-step learning and adaptive search for learning complex model transformations from examples. *ACM Transactions on Software Engineering and Methodology*, 25(3):20:1–20:??, August 2016. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Bodden:2014:JPI

[BTI14] Eric Bodden, Éric Tanter, and Milton Inostroza. Join point interfaces for safe and flexible decoupling of aspects. *ACM Transactions on Software Engineering and Methodology*, 23(1):7:1–7:??, February 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Banach:2014:CAM

[BZSW14] Richard Banach, Huibiao Zhu, Wen Su, and Xiaofeng Wu. A continuous ASM modelling approach to pacemaker sensing. *ACM Transactions on Software Engineering and Methodology*, 24(1):2:1–2:??, September 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Cobleigh:2008:BHD

[CAC08] Jamieson M. Cobleigh, George S. Avrunin, and Lori A. Clarke. Breaking up is hard to do: an evaluation of automated assume-guarantee reasoning. *ACM Transactions on Software Engineering and Methodology*, 17(2):7:1–7:??, April 2008. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Callison:1995:TSO

[Cal95] H. Rebecca Callison. A time-sensitive object model for real-

time systems. *ACM Transactions on Software Engineering and Methodology*, 4(3):287–317, July 1995. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1995-4-3/p287-callison/p287-callison.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1995-4-3/p287-callison/`.

Candela:2016:UCC

[CBRO16] Ivan Candela, Gabriele Bavota, Barbara Russo, and Rocco Oliveto. Using cohesion and coupling for software remodularization: Is it enough? *ACM Transactions on Software Engineering and Methodology*, 25(3): 24:1–24:??, August 2016. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Chen:2011:RFC

[CCX11] Zhenyu Chen, Tsong Yueh Chen, and Baowen Xu. A revisit of fault class hierarchies in general Boolean specifications. *ACM Transactions on Software Engineering and Methodology*, 20(3):13:1–13:??, August 2011. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Crow:1998:FSS

[CD98] Judith Crow and Ben Di Vito. Formalizing space shuttle software requirements: four case studies. *ACM Transactions on Software Engineering and Methodology*, 7(3):296–332, July 1998. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1998-7-3/p296-crow/p296-crow.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1998-7-3/p296-crow/`.

Chechik:2003:MVS

[CDEG03] Marsha Chechik, Benet Devereux, Steve Easterbrook, and Arie Gurfinkel. Multi-valued symbolic model-checking. *ACM Transactions on Software Engineering and Methodology*, 12(4): 371–408, October 2003. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Cugola:1996:FFI

[CDFG96] Gianpaolo Cugola, Elisabetta Di Nitto, Alfonso Fuggetta, and Carlo Ghezzi. A framework for formalizing inconsistencies and deviations in human-centered systems. *ACM Transactions on Software Engineering and Methodology*, 5(3):191–230, July 1996. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1996-5-3/p191-cugola/p191-cugola.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1996-5-3/p191-cugola/`.

Costagliola:2004:FMI

[CDP04] Gennaro Costagliola, Vincenzo Deufemia, and Giuseppe Polese. A framework for modeling and implementing visual notations with applications to software engineering. *ACM Transactions on Software Engineering and Methodology*, 13(4):431–487, October 2004. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Chen:2010:VSI

[CDSM10] Chunqing Chen, Jin Song Dong, Jun Sun, and Andrew Martin. A verification system for interval-based specification languages. *ACM Transactions on Software Engineering and Methodology*, 19(4):13:1–13:??, April 2010. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Cohen:2003:AHQ

[CF03] Yossi Cohen and Yishai A. Feldman. Automatic high-quality reengineering of database programs by abstraction, transformation and reimplementation. *ACM Transactions on Software Engineering and Methodology*, 12(3):285–316, July 2003. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Conboy:2010:MDC

[CF10] Kieran Conboy and Brian Fitzgerald. Method and developer characteristics for effective agile method tailoring: a study of XP expert opinion. *ACM Transactions on Software Engineering and Methodology*, 20 (1):2:1–2:??, June 2010. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Czekster:2016:SPA

[CFL+16] Ricardo M. Czekster, Paulo Fernandes, Lucelene Lopes, Afonso Sales, Alan R. Santos, and Thais Webber. Stochastic performance analysis of global software development teams. *ACM Transactions on Software Engineering and Methodology*, 25(3): 26:1–26:??, August 2016. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Ciancarini:2000:UCL

[CFM00] P. Ciancarini, F. Franzé, and C. Mascolo. Using a coordination language to specify and analyze systems containing mobile components. *ACM Transactions on Software Engineering and Methodology*, 9(2):167–198, April 2000. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/2000-9-2/p167-ciancarini/p167-ciancarini.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/2000-9-2/p167-ciancarini/`.

Carzaniga:2015:AWE

[CGPP15] Antonio Carzaniga, Alessandra

Gorla, Nicolò Perino, and Mauro Pezzè. Automatic workarounds: Exploiting the intrinsic redundancy of Web applications. *ACM Transactions on Software Engineering and Methodology*, 24(3):16:1–16:??, May 2015. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Ciancarini:1993:CRB

[Cia93] Paolo Ciancarini. Coordinating rule-based software processes with ESP. *ACM Transactions on Software Engineering and Methodology*, 2(3):203–227, July 1993. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1993-2-3/p203-ciancarini/p203-ciancarini.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1993-2-3/p203-ciancarini/`.

Clarke:2000:VSP

[CJM00] E. M. Clarke, S. Jha, and W. Marrero. Verifying security protocols with Brutus. *ACM Transactions on Software Engineering and Methodology*, 9(4):443–487, October 2000. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/2000-9-4/p443-clarke/p443-clarke.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/2000-9-4/p443-clarke/`.

Cheung:1996:CCC

[CK96] Shing Chi Cheung and Jeff Kramer. Context constraints for compositional reachability analysis. *ACM Transactions on Software Engineering and Methodology*, 5(4):334–377, October 1996. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1996-5-4/p334-cheung/p334-cheung.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1996-5-4/p334-cheung/`.

Cheung:1999:CSP

[CK99] Shing Chi Cheung and Jeff Kramer. Checking safety properties using compositional reachability analysis. *ACM Transactions on Software Engineering and Methodology*, 8(1):49–78, January 1999. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1999-8-1/p49-cheung/p49-cheung.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1999-8-1/p49-cheung/`.

Cheon:1994:LSI

[CL94] Yoonsik Cheon and Gary T. Leavens. The Larch/Smalltalk interface specification language. *ACM Transactions on Software Engineering and Methodology*, 3(3):221–253, July 1994. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392

(electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1994-3-3/p221-cheon/p221-cheon.pdf; http://www.acm.org/pubs/citations/journals/tosem/1994-3-3/p221-cheon/.

Chen:2008:UBS

[CM08] Tsong Yueh Chen and Robert Merkel. An upper bound on software testing effectiveness. *ACM Transactions on Software Engineering and Methodology*, 17 (3):16:1–16:??, June 2008. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Ciapessoni:1999:FMF

[CMCP+99] Emanuele Ciapessoni, Piergiorgio Mirandola, Alberto Coen-Porisini, Dino Mandrioli, and Angelo Morzenti. From formal models to formally based methods: an industrial experience. *ACM Transactions on Software Engineering and Methodology*, 8(1):79–113, January 1999. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1999-8-1/p79-ciapessoni/p79-ciapessoni.pdf; http://www.acm.org/pubs/citations/journals/tosem/1999-8-1/p79-ciapessoni/.

Ceccato:2015:DAG

[CMM+15] Mariano Ceccato, Alessandro Marchetto, Leonardo Mariani, Cu D. Nguyen, and Paolo Tonella. Do automatically generated test cases make debugging easier? An experimental assessment of debugging effectiveness and efficiency. *ACM Transactions on Software Engineering and Methodology*, 25(1): 5:1–5:??, December 2015. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Chang:2013:EHH

[CMP13] Hervé Chang, Leonardo Mariani, and Mauro Pezzè. Exception handlers for healing component-based systems. *ACM Transactions on Software Engineering and Methodology*, 22(4):30:1–30:??, October 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Corbett:2000:USA

[Cor00] James C. Corbett. Using shape analysis to reduce finite-state models of concurrent Java programs. *ACM Transactions on Software Engineering and Methodology*, 9(1):51–93, January 2000. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/2000-9-1/p51-corbett/p51-corbett.pdf; http://www.acm.org/pubs/citations/journals/tosem/2000-9-1/p51-corbett/.

Coen-Porisini:2003:FAD

[CPPRM03] Alberto Coen-Porisini, Matteo

Pradella, Matteo Rossi, and Dino Mandrioli. A formal approach for designing CORBA-based applications. *ACM Transactions on Software Engineering and Methodology*, 12(2):107–151, April 2003. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Creveuil:1994:FSD

[CR94] Christian Creveuil and Gruia-Catalin Roman. Formal specification and design of a message router. *ACM Transactions on Software Engineering and Methodology*, 3(4):271–307, October 1994. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1994-3-4/p271-creveuil/p271-creveuil.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1994-3-4/p271-creveuil/`.

Cimatti:2012:VRH

[CRST12] Alessandro Cimatti, Marco Roveri, Angelo Susi, and Stefano Tonetta. Validation of requirements for hybrid systems: a formal approach. *ACM Transactions on Software Engineering and Methodology*, 21(4):22:1–22:??, November 2012. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Cai:2012:FMA

[CS12] Yuanfang Cai and Kevin Sullivan. A formal model for automated software modularity and evolvability analysis. *ACM Transactions on Software Engineering and Methodology*, 21(4):21:1–21:??, November 2012. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Counsell:2006:IUT

[CSC06] Steve Counsell, Stephen Swift, and Jason Crampton. The interpretation and utility of three cohesion metrics for object-oriented design. *ACM Transactions on Software Engineering and Methodology*, 15(2):123–149, April 2006. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Cai:2016:DUD

[CST16] Haipeng Cai, Raul Santelices, and Douglas Thain. DiaPro: Unifying dynamic impact analyses for improved and variable cost-effectiveness. *ACM Transactions on Software Engineering and Methodology*, 25(2):18:1–18:??, May 2016. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Chaki:2013:VAI

[CSV13] Sagar Chaki, Christian Schallhart, and Helmut Veith. Verification across intellectual property boundaries. *ACM Transactions on Software Engineering and Methodology*, 22(2):15:1–15:??, March 2013. CODEN ATSMER. ISSN 1049-

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

Csallner:2008:DCH

[CSX08] Christoph Csallner, Yannis Smaragdakis, and Tao Xie. DSD-Crasher: a hybrid analysis tool for bug finding. *ACM Transactions on Software Engineering and Methodology*, 17 (2):8:1–8:??, April 2008. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Chen:2001:TMO

[CTC01] Huo Yan Chen, T. H. Tse, and T. Y. Chen. TACCLE: a methodology for object-oriented software testing at the class and cluster levels. *ACM Transactions on Software Engineering and Methodology*, 10(1):56–109, January 2001. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/2001-10-1/p56-chen/p56-chen.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/2001-10-1/p56-chen/`.

Chen:1998:BWI

[CTCC98] Huo Yan Chen, T. H. Tse, F. T. Chan, and T. Y. Chen. In black and white: an integrated approach to class-level testing of object-oriented programs. *ACM Transactions on Software Engineering and Methodology*, 7(3):250–295, July 1998. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1998-7-3/p250-chen/p250-chen.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1998-7-3/p250-chen/`.

Cook:1998:DMS

[CW98] Jonathan E. Cook and Alexander L. Wolf. Discovering models of software processes from event-based data. *ACM Transactions on Software Engineering and Methodology*, 7(3):215–249, July 1998. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1998-7-3/p215-cook/p215-cook.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1998-7-3/p215-cook/`.

Cook:1999:SPV

[CW99] Jonathan E. Cook and Alexander L. Wolf. Software process validation: quantitatively measuring the correspondence of a process to a model. *ACM Transactions on Software Engineering and Methodology*, 8(2):147–176, April 1999. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1999-8-2/p147-cook/p147-cook.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1999-8-2/p147-cook/`.

Chen:2011:TDB

[CY11] Jinjun Chen and Yun Yang. Temporal dependency-based checkpoint selection for dynamic verification of temporal constraints in scientific workflow systems. *ACM Transactions on Software Engineering and Methodology*, 20(3):9:1–9:??, August 2011. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Duri:1994:AEE

[DBDS94] S. Duri, U. Buy, R. Devarapalli, and S. M. Shatz. Application and experimental evaluation of state space reduction methods for deadlock analysis in Ada. *ACM Transactions on Software Engineering and Methodology*, 3(4):340–380, October 1994. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1994-3-4/p340-duri/p340-duri.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1994-3-4/p340-duri/`.

DeCaso:2013:EBP

[DBGU13] Guido De Caso, Victor Braberman, Diego Garbervetsky, and Sebastian Uchitel. Enabledness-based program abstractions for behavior validation. *ACM Transactions on Software Engineering and Methodology*, 22(3):25:1–25:??, July 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Alesio:2015:CGA

[DBNG15] Stefano Di Alesio, Lionel C. Briand, Shiva Nejati, and Arnaud Gotlieb. Combining genetic algorithms and constraint programming to support stress testing of task deadlines. *ACM Transactions on Software Engineering and Methodology*, 25(1):4:1–4:??, December 2015. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Dippolito:2013:SNE

[DBPU13] Nicolás D'ippolito, Victor Braberman, Nir Piterman, and Sebastián Uchitel. Synthesizing nonanomalous event-based controllers for liveness goals. *ACM Transactions on Software Engineering and Methodology*, 22(1):9:1–9:??, February 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Dwyer:2004:FAV

[DCCN04] Matthew B. Dwyer, Lori A. Clarke, Jamieson M. Cobleigh, and Gleb Naumovich. Flow analysis for verifying properties of concurrent software systems. *ACM Transactions on Software Engineering and Methodology*, 13(4):359–430, October 2004. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Desai:2009:AMM

[DCS09] Nirmit Desai, Amit K. Chopra, and Munindar P. Singh. Amoeba: a methodology for modeling and evolving cross-organizational business processes. *ACM Transactions on Software Engineering and Methodology*, 19(2):6:1–6:??, October 2009. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Diep:2011:LBS

[DDE11] Madeline M. Diep, Matthew B. Dwyer, and Sebastian Elbaum. Lattice-based sampling for path property monitoring. *ACM Transactions on Software Engineering and Methodology*, 21(1): 5:1–5:??, December 2011. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Duala-Ekoko:2010:CRD

[DER10] Ekwa Duala-Ekoko and Martin P. Robillard. Clone region descriptors: Representing and tracking duplication in source code. *ACM Transactions on Software Engineering and Methodology*, 20(1):3:1–3:??, June 2010. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Devanbu:1999:GCF

[Dev99] Premkumar T. Devanbu. GENOA — a customizable, front-end-retargetable source code analysis framework. *ACM Transactions on Software Engineering and Methodology*, 8(2):177–212, April 1999. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1999-8-2/p177-devanbu/p177-devanbu.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1999-8-2/p177-devanbu/`.

Doong:1994:AAT

[DF94] Roong-Ko Doong and Phyllis G. Frankl. The ASTOOT approach to testing object-oriented programs. *ACM Transactions on Software Engineering and Methodology*, 3(2):101–130, April 1994. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1994-3-2/p101-doong/p101-doong.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1994-3-2/p101-doong/`.

Damiani:1999:CHA

[DFB99a] E. Damiani, M. G. Fugini, and C. Bellettini. Corrigenda: a hierarchy-aware approach to faceted classification of object-oriented components. *ACM Transactions on Software Engineering and Methodology*, 8(4):425–472, October 1999. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1999-8-4/p425-damiani/p425-damiani.pdf`;

http://www.acm.org/pubs/citations/journals/tosem/1999-8-4/p425-damiani/.

Damiani:1999:HAA

[DFB99b] E. Damiani, M. G. Fugini, and C. Bellettini. A hierarchy-aware approach to faceted classification of objected-oriented components. *ACM Transactions on Software Engineering and Methodology*, 8(3):215–262, July 1999. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1999-8-3/p215-damiani/p215-damiani.pdf; http://www.acm.org/pubs/citations/journals/tosem/1999-8-3/p215-damiani/.

Durante:2000:CAC

[DFG00] Antonio Durante, Riccardo Focardi, and Roberto Gorrieri. A compiler for analyzing cryptographic protocols using noninterference. *ACM Transactions on Software Engineering and Methodology*, 9(4):488–528, October 2000. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/2000-9-4/p488-durante/p488-durante.pdf; http://www.acm.org/pubs/citations/journals/tosem/2000-9-4/p488-durante/.

deFrancesco:2014:GTE

[dFLSV14] Nicoletta de Francesco, Giuseppe Lettieri, Antonella Santone, and Gigliola Vaglini. GreASE: a tool for efficient "Nonequivalence" checking. *ACM Transactions on Software Engineering and Methodology*, 23(3):24:1–24:??, May 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

DeLucia:2007:RTL

[DFOT07] Andrea De Lucia, Fausto Fasano, Rocco Oliveto, and Genoveffa Tortora. Recovering traceability links in software artifact management systems using information retrieval methods. *ACM Transactions on Software Engineering and Methodology*, 16(4):13:1–13:??, September 2007. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

DeLara:2014:WHU

[DGC14] Juan De Lara, Esther Guerra, and Jesús Sánchez Cuadrado. When and how to use multilevel modelling. *ACM Transactions on Software Engineering and Methodology*, 24(2):12:1–12:??, December 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Doppke:1998:SPM

[DHW98] John C. Doppke, Dennis Heimbigner, and Alexander L. Wolf. Software process modeling and execution within virtual environments. *ACM Transactions on Software Engineering and Methodology*, 7(1):1–40, Jan-

uary 1998. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1998-7-1/p1-doppke/p1-doppke.pdf; http://www.acm.org/pubs/citations/journals/tosem/1998-7-1/p1-doppke/.

Dillon:1993:VEM

[Dil93] Laura K. Dillon. A visual execution model for Ada tasking. *ACM Transactions on Software Engineering and Methodology*, 2(4):311–345, October 1993. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1993-2-4/p311-dillon/p311-dillon.pdf; http://www.acm.org/pubs/citations/journals/tosem/1993-2-4/p311-dillon/.

Dillon:1997:TDT

[Dil97] Laura K. Dillon. Task dependence and termination in Ada. *ACM Transactions on Software Engineering and Methodology*, 6(1):80–110, January 1997. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1997-6-1/p80-dillon/p80-dillon.pdf; http://www.acm.org/pubs/citations/journals/tosem/1997-6-1/p80-dillon/.

Devanbu:1997:UDL

[DJ97] Premkumar Devanbu and Mark A. Jones. The use of description logics in KBSE systems. *ACM Transactions on Software Engineering and Methodology*, 6(2):141–172, April 1997. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1997-6-2/p141-devalbu/p141-devalbu.pdf; http://www.acm.org/pubs/citations/journals/tosem/1997-6-2/p141-devanbu/.

Dillon:1994:GIL

[DKM+94] L. K. Dillon, G. Kutty, L. E. Moser, P. M. Melliar-Smith, and Y. S. Ramakrishna. A graphical interval logic for specifying concurrent systems. *ACM Transactions on Software Engineering and Methodology*, 3(2):131–165, April 1994. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1994-3-2/p131-dillon/p131-dillon.pdf; http://www.acm.org/pubs/citations/journals/tosem/1994-3-2/p131-dillon/.

Dehlinger:2011:GPP

[DL11] Josh Dehlinger and Robyn R. Lutz. Gaia-PL: a product line engineering approach for efficiently designing multiagent systems. *ACM Transactions on Software Engineering and Methodology*, 20(4):17:1–17:??, September 2011. CODEN

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

Demsky:2013:VSF

[DL13] Brian Demsky and Patrick Lam. Views: Synthesizing fine-grained concurrency control. *ACM Transactions on Software Engineering and Methodology*, 22(1):4:1–4:??, February 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Dietz:2015:UIO

[DLRA15] Will Dietz, Peng Li, John Regehr, and Vikram Adve. Understanding integer overflow in C/C++. *ACM Transactions on Software Engineering and Methodology*, 25(1):2:1–2:29, December 2015. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Dyer:2015:BUL

[DNRN15] Robert Dyer, Hoan Anh Nguyen, Hridesh Rajan, and Tien N. Nguyen. Boa: Ultra-large-scale software repository and source-code mining. *ACM Transactions on Software Engineering and Methodology*, 25(1):7:1–7:??, December 2015. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

DeMillo:1993:ERA

[DO93] Richard A. DeMillo and A. Jefferson Offutt. Experimental results from an automatic test case generator. *ACM Transactions on Software Engineering and Methodology*, 2(2):109–127, April 1993. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1993-2-2/p109-demillo/p109-demillo.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1993-2-2/p109-demillo/`.

Denaro:2013:TAA

[DPT13] Giovanni Denaro, Mauro Pezzè, and Davide Tosi. Test-and-adapt: an approach for improving service interchangeability. *ACM Transactions on Software Engineering and Methodology*, 22(4):28:1–28:??, October 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Dyer:2010:SDA

[DR10] Robert Dyer and Hridesh Rajan. Supporting dynamic aspect-oriented features. *ACM Transactions on Software Engineering and Methodology*, 20(2):7:1–7:??, August 2010. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Dagenais:2011:RAC

[DR11] Barthélémy Dagenais and Martin P. Robillard. Recommending adaptive changes for framework evolution. *ACM Transactions on Software Engineering and Methodology*, 20(4):19:1–19:??, September 2011. CODEN ATSMER. ISSN 1049-

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

Dwyer:2015:EJF

[DR15] Matthew B. Dwyer and David S. Rosenblum. Editorial: Journal-first publication for the software engineering community. *ACM Transactions on Software Engineering and Methodology*, 25(1): 1:1–1:??, December 2015. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Devanbu:1996:GTA

[DRW96] Premkumar T. Devanbu, David S. Rosenblum, and Alexander L. Wolf. Generating testing and analysis tools with Aria. *ACM Transactions on Software Engineering and Methodology*, 5(1):42–62, January 1996. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1996-5-1/p42-devanbu/p42-devanbu.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1996-5-1/p42-devanbu/`.

Durante:2003:ATE

[DSV03] Luca Durante, Riccardo Sisto, and Adriano Valenzano. Automatic testing equivalence verification of spi calculus specifications. *ACM Transactions on Software Engineering and Methodology*, 12(2): 222–284, April 2003. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Dashofy:2005:CAD

[DvdHT05] Eric M. Dashofy, André van der Hoek, and Richard N. Taylor. A comprehensive approach for the development of modular software architecture description languages. *ACM Transactions on Software Engineering and Methodology*, 14 (2):199–245, April 2005. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Emmerich:2008:IRD

[EAS08] Wolfgang Emmerich, Mikio Aoyama, and Joe Sventek. The impact of research on the development of middleware technology. *ACM Transactions on Software Engineering and Methodology*, 17(4):19:1–19:??, August 2008. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

ElKholy:2014:CCR

[EBE+14] Warda El Kholy, Jamal Bentahar, Mohamed El Menshawy, Hongyang Qu, and Rachida Dssouli. Conditional commitments: Reasoning and model checking. *ACM Transactions on Software Engineering and Methodology*, 24(2):9:1–9:??, December 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Erwig:2005:SRS

[EF05] Martin Erwig and Zhe Fu. Software reuse for scientific computing through program generation. *ACM Transactions on Software Engineering and Methodology*, 14(2):168–198, April 2005. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Egyed:2002:AAC

[Egy02] Alexander Egyed. Automated abstraction of class diagrams. *ACM Transactions on Software Engineering and Methodology*, 11(4):449–491, 2002. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Ebnenasir:2011:FSD

[EK11] Ali Ebnenasir and Sandeep S. Kulkarni. Feasibility of stepwise design of multitolerant programs. *ACM Transactions on Software Engineering and Methodology*, 21(1):1:1–1:??, December 2011. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Engels:1992:BIS

[ELN+92] G. Engels, C. Lewerentz, M. Nagl, W. Schäfer, and A. Schürr. Building integrated software development environments. Part I tool specification. *ACM Transactions on Software Engineering and Methodology*, 1(2):135–167, April 1992. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1992-1-2/p135-engels/p135-engels.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1992-1-2/p135-engels/`.

Estublier:2005:ISE

[ELvdH+05] Jacky Estublier, David Leblang, André van der Hoek, Reidar Conradi, Geoffrey Clemm, Walter Tichy, and Darcy Wiborg-Weber. Impact of software engineering research on the practice of software configuration management. *ACM Transactions on Software Engineering and Methodology*, 14(4):383–430, October 2005. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Emam:2015:TCP

[EM15] Seyedeh Sepideh Emam and James Miller. Test case prioritization using extended digraphs. *ACM Transactions on Software Engineering and Methodology*, 25(1):6:1–6:??, December 2015. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Eshuis:2006:SMC

[Esh06] Rik Eshuis. Symbolic model checking of UML activity diagrams. *ACM Transactions on Software Engineering and Methodology*, 15(1):1–38, January 2006. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Erwig:2011:CCR

[EW11] Martin Erwig and Eric Walkingshaw. The choice calculus: a representation for software variation. *ACM Transactions on Software Engineering and Methodology*, 21(1):6:1–6:??, December 2011. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Eldib:2014:FVS

[EWS14] Hassan Eldib, Chao Wang, and Patrick Schaumont. Formal verification of software countermeasures against side-channel attacks. *ACM Transactions on Software Engineering and Methodology*, 24(2):11:1–11:??, December 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Fraser:2014:LSE

[FA14] Gordon Fraser and Andrea Arcuri. A large-scale evaluation of automated unit test generation using EvoSuite. *ACM Transactions on Software Engineering and Methodology*, 24(2):8:1–8:??, December 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Falessi:2013:VDR

[FBC+13] Davide Falessi, Lionel C. Briand, Giovanni Cantone, Rafael Capilla, and Philippe Kruchten. The value of design rationale information. *ACM Transactions on Software Engineering and Methodology*, 22(3):21:1–21:??, July 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Fong:2000:PLM

[FC00] Philip W. L. Fong and Robert D. Cameron. Proof linking: modular verification of mobile programs in the presence of lazy, dynamic linking. *ACM Transactions on Software Engineering and Methodology*, 9(4):379–409, October 2000. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/2000-9-4/p379-fong/p379-fong.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/2000-9-4/p379-fong/`.

Fischbein:2012:WAM

[FDB+12] Dario Fischbein, Nicolas D'Ippolito, Greg Brunet, Marsha Chechik, and Sebastian Uchitel. Weak alphabet merging of partial behavior models. *ACM Transactions on Software Engineering and Methodology*, 21(2):9:1–9:??, March 2012. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Fantechi:2012:LVM

[FGL+12] Alessandro Fantechi, Stefania Gnesi, Alessandro Lapadula, Franco Mazzanti, Rosario Pugliese, and Francesco Tiezzi. A log-

ical verification methodology for service-oriented computing. *ACM Transactions on Software Engineering and Methodology*, 21(3):16:1–16:??, June 2012. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Ferrari:2003:MCV

[FGMP03] Gian-Luigi Ferrari, Stefania Gnesi, Ugo Montanari, and Marco Pistore. A model-checking verification environment for mobile processes. *ACM Transactions on Software Engineering and Methodology*, 12(4): 440–473, October 2003. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Ferguson:1996:CAS

[FK96] Roger Ferguson and Bogdan Korel. The chaining approach for software test data generation. *ACM Transactions on Software Engineering and Methodology*, 5(1):63–86, January 1996. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1996-5-1/p63-ferguson/p63-ferguson.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1996-5-1/p63-ferguson/`.

Fuggetta:1998:AGI

[FLM+98] Alfonso Fuggetta, Luigi Lavazza, Sandro Morasca, Stefano Cinti, Giandomenico Oldano, and Elena Orazi. Applying GQM in an industrial software factory. *ACM Transactions on Software Engineering and Methodology*, 7(4):411–448, October 1998. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1998-7-4/p411-fuggetta/p411-fuggetta.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1998-7-4/p411-fuggetta/`.

Felder:1994:VRT

[FM94] Miguel Felder and Angelo Morzenti. Validating real-time systems by history-checking TRIO specifications. *ACM Transactions on Software Engineering and Methodology*, 3 (4):308–339, October 1994. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1994-3-4/p308-felder/p308-felder.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1994-3-4/p308-felder/`.

Fritz:2014:DKM

[FMMH+14] Thomas Fritz, Gail C. Murphy, Emerson Murphy-Hill, Jingwen Ou, and Emily Hill. Degree-of-knowledge: Modeling a developer's knowledge of code. *ACM Transactions on Software Engineering and Methodology*, 23(2): 14:1–14:??, March 2014. CODEN ATSMER. ISSN 1049-

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

Felty:2003:FSA

[FN03] Amy P. Felty and Kedar S. Namjoshi. Feature specification and automated conflict detection. *ACM Transactions on Software Engineering and Methodology*, 12(1):3–27, 2003. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Forgacs:1994:DIF

[For94] István Forgács. Double iterative framework for flow-sensitive interprocedural data flow analysis. *ACM Transactions on Software Engineering and Methodology*, 3(1):29–55, January 1994. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1994-3-1/p29-forgacs/p29-forgacs.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1994-3-1/p29-forgacs/`.

Felder:2002:FDN

[FP02] Miguel Felder and Mauro Pezzè. A formal design notation for real-time systems. *ACM Transactions on Software Engineering and Methodology*, 11(2):149–190, 2002. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Frias:2005:RAS

[FPB+05] Marcelo F. Frias, Carlos G. López Pombo, Gabriel A. Baum, Nazareno M. Aguirre, and Thomas S. E. Maibaum. Reasoning about static and dynamic properties in alloy: a purely relational approach. *ACM Transactions on Software Engineering and Methodology*, 14(4):478–526, October 2005. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Frias:2007:EAD

[FPGA07] Marcelo F. Frias, Carlos G. Lopez Pombo, Juan P. Galeotti, and Nazareno M. Aguirre. Efficient Analysis of DynAlloy Specifications. *ACM Transactions on Software Engineering and Methodology*, 17(1):4:1–4:34, December 2007. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Fisher:2006:IAT

[FRB+06] Marc Fisher II, Gregg Rothermel, Darren Brown, Mingming Cao, Curtis Cook, and Margaret Burnett. Integrating automated test generation into the WYSIWYT spreadsheet testing methodology. *ACM Transactions on Software Engineering and Methodology*, 15(2):150–194, April 2006. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Feldman:1993:SRS

[FS93] Yishai A. Feldman and Haim Schneider. Simulating re-

active systems by deduction. *ACM Transactions on Software Engineering and Methodology*, 2(2):128–175, April 1993. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1993-2-2/p128-feldman/p128-feldman.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1993-2-2/p128-feldman/`.

Fraser:2015:DAU

[FSM+15] Gordon Fraser, Matt Staats, Phil McMinn, Andrea Arcuri, and Frank Padberg. Does automated unit test generation really help software testers? A controlled empirical study. *ACM Transactions on Software Engineering and Methodology*, 24(4):23:1–23:??, August 2015. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Fleming:2013:IFT

[FSP+13] Scott D. Fleming, Chris Scaffidi, David Piorkowski, Margaret Burnett, Rachel Bellamy, Joseph Lawrance, and Irwin Kwan. An information foraging theory perspective on tools for debugging, refactoring, and reuse tasks. *ACM Transactions on Software Engineering and Methodology*, 22(2):14:1–14:??, March 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Fink:2008:ETV

[FYD+08] Stephen J. Fink, Eran Yahav, Nurit Dor, G. Ramalingam, and Emmanuel Geay. Effective typestate verification in the presence of aliasing. *ACM Transactions on Software Engineering and Methodology*, 17(2):9:1–9:??, April 2008. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Gencel:2008:FSM

[GD08] Cigdem Gencel and Onur Demirors. Functional size measurement revisited. *ACM Transactions on Software Engineering and Methodology*, 17(3):15:1–15:??, June 2008. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Gamatie:2007:PDE

[GGLT07] Abdoulaye Gamatié, Thierry Gautier, Paul Le Guernic, and Jean-Pierre Talpin. Polychronous design of embedded real-time applications. *ACM Transactions on Software Engineering and Methodology*, 16(2):9:1–9:??, April 2007. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Gligoric:2015:GCB

[GGZ+15] Milos Gligoric, Alex Groce, Chaoqiang Zhang, Rohan Sharma, Mohammad Amin Alipour, and Darko Marinov. Guidelines for coverage-based comparisons of non-adequate test suites. *ACM*

Transactions on Software Engineering and Methodology, 24(4): 22:1–22:??, August 2015. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Ghezzi:2005:E

[Ghe05] Carlo Ghezzi. Editorial. *ACM Transactions on Software Engineering and Methodology*, 14 (2):119–123, April 2005. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Ghezzi:2007:E

[Ghe07] Carlo Ghezzi. Editorial. *ACM Transactions on Software Engineering and Methodology*, 16(1): 2:1–2:??, February 2007. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Graves:2001:ESR

[GHK+01] Todd L. Graves, Mary Jean Harrold, Jung-Min Kim, Adam Porter, and Gregg Rothermel. An empirical study of regression test selection techniques. *ACM Transactions on Software Engineering and Methodology*, 10(2):184–208, April 2001. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/2001-10-2/p184-graves/p184-graves.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/2001-10-2/p184-graves/`.

Gruschke:2008:ROF

[GJ08] 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*, 17(4):20:1–20:??, August 2008. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Gandhi:2011:DMC

[GL11] R. A. Gandhi and S. W. Lee. Discovering multidimensional correlations among regulatory requirements to understand risk. *ACM Transactions on Software Engineering and Methodology*, 20(4):16:1–16:??, September 2011. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Ganesan:2014:AED

[GL14] Dharmalingam Ganesan and Mikael Lindvall. ADAM: External dependency-driven architecture discovery and analysis of quality attributes. *ACM Transactions on Software Engineering and Methodology*, 23(2): 17:1–17:??, March 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Gargantini:2001:ADR

[GM01] Angelo Gargantini and Angelo Morzenti. Automated deductive requirements analysis of

critical systems. *ACM Transactions on Software Engineering and Methodology*, 10(3): 255–307, July 2001. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Ghezzi:2003:E

[GMRS03] Carlo Ghezzi, Jeffrey N. Magee, Dieter Rombach, and Mary Lou Soffa. Editorial. *ACM Transactions on Software Engineering and Methodology*, 12(1):1–2, 2003. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Griswold:1993:AAP

[GN93] William G. Griswold and David Notkin. Automated assistance for program restructuring. *ACM Transactions on Software Engineering and Methodology*, 2(3):228–269, July 1993. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1993-2-3/p228-griswold/p228-griswold.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1993-2-3/p228-griswold/`.

Gay:2016:EPM

[GRS+16] Gregory Gay, Ajitha Rajan, Matt Staats, Michael Whalen, and Mats P. E. Heimdahl. The effect of program and model structure on the effectiveness of MC/DC test adequacy coverage. *ACM Transactions on Software Engineering and Methodology*, 25(3):25:1–25:??, August 2016. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Goel:2009:IPC

[GRT09] Ankit Goel, Abhik Roychoudhury, and P. S. Thiagarajan. Interacting process classes. *ACM Transactions on Software Engineering and Methodology*, 18 (4):13:1–13:??, July 2009. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Gupta:1997:HSI

[GSH97] Rajiv Gupta, Mary Lou Soffa, and John Howard. Hybrid slicing: integrating dynamic information with static analysis. *ACM Transactions on Software Engineering and Methodology*, 6(4):370–397, October 1997. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1997-6-4/p370-gupta/p370-gupta.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1997-6-4/p370-gupta/`.

Gunter:2000:ADB

[Gun00] Carl A. Gunter. Abstracting dependencies between software configuration items. *ACM Transactions on Software Engineering and Methodology*, 9(1):94–131, January 2000. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392

(electronic). URL http://www.acm.org/pubs/articles/journals/tosem/2000-9-1/p94-gunter/p94-gunter.pdf; http://www.acm.org/pubs/citations/journals/tosem/2000-9-1/p94-gunter/.

Gervasi:2005:RAI

[GZ05] Vincenzo Gervasi and Didar Zowghi. Reasoning about inconsistencies in natural language requirements. *ACM Transactions on Software Engineering and Methodology*, 14(3): 277–330, July 2005. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Hemmati:2013:ASM

[HAB13] Hadi Hemmati, Andrea Arcuri, and Lionel Briand. Achieving scalable model-based testing through test case diversity. *ACM Transactions on Software Engineering and Methodology*, 22(1):6:1–6:??, February 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Harel:1992:SO

[HaK92] David Harel and Chaim arie Kahana. On statecharts with overlapping. *ACM Transactions on Software Engineering and Methodology*, 1(4):399–421, October 1992. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1992-1-4/p399-harel/p399-harel.pdf; http://www.acm.org/pubs/citations/journals/tosem/1992-1-4/p399-harel/.

Hamlet:2009:TES

[Ham09] Dick Hamlet. Tools and experiments supporting a testing-based theory of component composition. *ACM Transactions on Software Engineering and Methodology*, 18(3):12:1–12:??, May 2009. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Hall:2009:SRT

[HBB+09] Tracy Hall, Nathan Baddoo, Sarah Beecham, Hugh Robinson, and Helen Sharp. A systematic review of theory use in studies investigating the motivations of software engineers. *ACM Transactions on Software Engineering and Methodology*, 18 (3):10:1–10:??, May 2009. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Hoffman:2013:TOM

[HE13] Kevin Hoffman and Patrick Eugster. Trading obliviousness for modularity with cooperative aspect-oriented programming. *ACM Transactions on Software Engineering and Methodology*, 22(3):22:1–22:??, July 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Henninger:1997:EAC

[Hen97] Scott Henninger. An evolutionary approach to constructing effective software reuse repositories. *ACM Transactions on Software Engineering and Methodology*, 6(2):111–140, April 1997. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1997-6-2/p111-henninger/p111-henninger.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1997-6-2/p111-henninger/`.

Harrold:1993:MCS

[HGS93] M. Jean Harrold, Rajiv Gupta, and Mary Lou Soffa. A methodology for controlling the size of a test suite. *ACM Transactions on Software Engineering and Methodology*, 2(3):270–285, July 1993. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1993-2-3/p270-harrold/p270-harrold.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1993-2-3/p270-harrold/`.

He:2016:LWA

[HGW+16] Fei He, Xiaowei Gao, Miaofei Wang, Bow-Yaw Wang, and Lijun Zhang. Learning weighted assumptions for compositional verification of Markov decision processes. *ACM Transactions on Software Engineering and Methodology*, 25(3):21:1–21:??, August 2016. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Howden:1995:STA

[HH95] W. E. Howden and Yudong Huang. Software trustability analysis. *ACM Transactions on Software Engineering and Methodology*, 4(1):36–64, January 1995. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1995-4-1/p36-howden/p36-howden.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1995-4-1/p36-howden/`.

Hierons:2002:CTS

[Hie02] R. M. Hierons. Comparing test sets and criteria in the presence of test hypotheses and fault domains. *ACM Transactions on Software Engineering and Methodology*, 11(4):427–448, 2002. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Hierons:2006:ACC

[Hie06] R. M. Hierons. Avoiding coincidental correctness in boundary value analysis. *ACM Transactions on Software Engineering and Methodology*, 15(3): 227–241, July 2006. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Hierons:2009:VFT

[Hie09] Robert M. Hierons. Verdict functions in testing with a fault domain or test hypotheses. *ACM Transactions on Software Engineering and Methodology*, 18(4):14:1–14:??, July 2009. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Hierons:2014:CCD

[Hie14] Robert M. Hierons. Combining centralised and distributed testing. *ACM Transactions on Software Engineering and Methodology*, 24(1):5:1–5:??, September 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Heitmeyer:1996:ACC

[HJL96] Constance L. Heitmeyer, Ralph D. Jeffords, and Bruce G. Labaw. Automated consistency checking of requirements specifications. *ACM Transactions on Software Engineering and Methodology*, 5(3):231–261, July 1996. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1996-5-3/p231-heitmeyer/p231-heitmeyer.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1996-5-3/p231-heitmeyer/`.

Harman:2014:ESS

[HKMB+14] Mark Harman, Jens Krinke, Inmaculada Medina-Bulo, Francisco Palomo-Lozano, Jian Ren, and Shin Yoo. Exact scalable sensitivity analysis for the next release problem. *ACM Transactions on Software Engineering and Methodology*, 23(2):19:1–19:??, March 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Hierons:2016:SOP

[HLL+16] Robert M. Hierons, Miqing Li, Xiaohui Liu, Sergio Segura, and Wei Zheng. SIP: Optimal product selection from feature models using many-objective evolutionary optimization. *ACM Transactions on Software Engineering and Methodology*, 25(2):17:1–17:??, May 2016. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Harel:1996:SSS

[HN96] David Harel and Amnon Naamad. The STATEMATE semantics of statecharts. *ACM Transactions on Software Engineering and Methodology*, 5(4):293–333, October 1996. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1996-5-4/p293-harel/p293-harel.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1996-5-4/p293-harel/`.

Hunter:1998:MIS

[HN98] Anthony Hunter and Bashar

Nuseibeh. Managing inconsistent specifications: reasoning, analysis, and action. *ACM Transactions on Software Engineering and Methodology*, 7 (4):335–367, October 1998. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1998-7-4/p335-hunter/p335-hunter.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1998-7-4/p335-hunter/`.

Harman:2015:ISI

[HP15] Mark Harman and Mauro Pezzé. Introduction to the special issue on ISSTA 2013. *ACM Transactions on Software Engineering and Methodology*, 24(4): 21:1–21:??, August 2015. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Henkel:2008:DDA

[HRD08] Johannes Henkel, Christoph Reichenbach, and Amer Diwan. Developing and debugging algebraic specifications for Java classes. *ACM Transactions on Software Engineering and Methodology*, 17(3):14:1–14:??, June 2008. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Hunt:1998:ADA

[HT98] James J. Hunt and Walter F. Tichy. Addendum to "Delta algorithms: an empirical analysis";. *ACM Transactions on Software Engineering and Methodology*, 7(4):449, October 1998. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1998-7-4/p449-hunt/p449-hunt.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1998-7-4/p449-hunt/`. See [HVT98].

Hunt:1998:DAE

[HVT98] James J. Hunt, Kiem-Phong Vo, and Walter F. Tichy. Delta algorithms an empirical analysis. *ACM Transactions on Software Engineering and Methodology*, 7(2):192–214, April 1998. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1998-7-2/p192-hunt/p192-hunt.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1998-7-2/p192-hunt/`. See addendum [HT98].

Holmes:2012:SPS

[HW12] Reid Holmes and Robert J. Walker. Systematizing pragmatic software reuse. *ACM Transactions on Software Engineering and Methodology*, 21 (4):20:1–20:??, November 2012. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Haesevoets:2014:ACS

[HWH14] Robrecht Haesevoets, Danny

Weyns, and Tom Holvoet. Architecture-centric support for adaptive service collaborations. *ACM Transactions on Software Engineering and Methodology*, 23(1):2:1–2:??, February 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Hall:2014:SCS

[HZBS14] 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).

Huang:2008:DSL

[HZS08] Shan Shan Huang, David Zook, and Yannis Smaragdakis. Domain-specific languages and program generation with meta-AspectJ. *ACM Transactions on Software Engineering and Methodology*, 18(2): 6:1–6:??, November 2008. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Huang:2013:SPA

[HZZ13] Jeff Huang, Jinguo Zhou, and Charles Zhang. Scaling predictive analysis of concurrent programs by removing trace redundancy. *ACM Transactions on Software Engineering and Methodology*, 22(1):8:1–8:??, February 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Hao:2014:UTC

[HZZ+14] Dan Hao, Lingming Zhang, Lu Zhang, Gregg Rothermel, and Hong Mei. A unified test case prioritization approach. *ACM Transactions on Software Engineering and Methodology*, 24(2):10:1–10:??, December 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Islam:2014:GTC

[IC14] 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. ISSN 1049-331X (print), 1557-7392 (electronic).

Inverardi:2000:SCS

[IWY00] Paola Inverardi, Alexander L. Wolf, and Daniel Yankelevich. Static checking of system behaviors using derived component assumptions. *ACM Transactions on Software Engineering and Methodology*, 9(3):239–272, July 2000. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/2000-9-3/p239-inverardi/p239-inverardi.pdf`; `http://www.acm.org/`

pubs/citations/journals/tosem/2000-9-3/p239-inverardi/.

Jackson:1995:ADB

[Jac95a] Daniel Jackson. Aspect: detecting bugs with abstract dependences. *ACM Transactions on Software Engineering and Methodology*, 4(2):109–145, April 1995. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1995-4-2/p109-jackson/p109-jackson.pdf; http://www.acm.org/pubs/citations/journals/tosem/1995-4-2/p109-jackson/.

Jackson:1995:SZS

[Jac95b] Daniel Jackson. Structuring Z specifications with views. *ACM Transactions on Software Engineering and Methodology*, 4(4):365–389, October 1995. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1995-4-4/p365-jackson/p365-jackson.pdf; http://www.acm.org/pubs/citations/journals/tosem/1995-4-4/p365-jackson/.

Jackson:2002:ALO

[Jac02] Daniel Jackson. Alloy: a lightweight object modelling notation. *ACM Transactions on Software Engineering and Methodology*, 11(2):256–290, 2002. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Jezequel:1999:RVC

[Jéz99] Jean-Marc Jézéquel. Reifying variants in configuration management. *ACM Transactions on Software Engineering and Methodology*, 8(3):284–295, July 1999. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1999-8-3/p284-jezequel/p284-jezequel.pdf; http://www.acm.org/pubs/citations/journals/tosem/1999-8-3/p284-jezequel/.

Jennings:2012:TPA

[JGB12] Paul Jennings, Arka P. Ghosh, and Samik Basu. A two-phase approximation for model checking probabilistic unbounded until properties of probabilistic systems. *ACM Transactions on Software Engineering and Methodology*, 21(3):18:1–18:??, June 2012. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Jalote:2008:PRR

[JMS08] Pankaj Jalote, Brendan Murphy, and Vibhu Saujanya Sharma. Post-release reliability growth in software products. *ACM Transactions on Software Engineering and Methodology*, 17(4):17:1–17:??, August 2008. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Jin:2015:ASR

[JO15] Wei Jin and Alessandro Orso. Automated support for reproducing and debugging field failures. *ACM Transactions on Software Engineering and Methodology*, 24(4):26:1–26:??, August 2015. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Jaccheri:1998:ESP

[JPL98] Maria Letizia Jaccheri, Gian Pietro Picco, and Patricia Lago. Eliciting software process models with the E3 language. *ACM Transactions on Software Engineering and Methodology*, 7(4):368–410, October 1998. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1998-7-4/p368-jaccheri/p368-jaccheri.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1998-7-4/p368-jaccheri/`.

Jeng:1994:SDT

[JW94] Bingchiang Jeng and Elaine J. Weyuker. A simplified domain-testing strategy. *ACM Transactions on Software Engineering and Methodology*, 3(3):254–270, July 1994. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1994-3-3/p254-jeng/p254-jeng.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1994-3-3/p254-jeng/`.

Kulkarni:2012:GPF

[KAT12] Devdatta Kulkarni, Tanvir Ahmed, and Anand Tripathi. A generative programming framework for context-aware CSCW applications. *ACM Transactions on Software Engineering and Methodology*, 21(2):11:1–11:??, March 2012. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Kastner:2012:TCA

[KATS12] Christian Kästner, Sven Apel, Thomas Thüm, and Gunter Saake. Type checking annotation-based product lines. *ACM Transactions on Software Engineering and Methodology*, 21(3):14:1–14:??, June 2012. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Kapoor:2007:TCF

[KB07] Kalpesh Kapoor and Jonathan P. Bowen. Test conditions for fault classes in Boolean specifications. *ACM Transactions on Software Engineering and Methodology*, 16(3):10:1–10:??, July 2007. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Krishnamurthi:2007:FIA

[KF07] Shriram Krishnamurthi and Kathi Fisler. Foundations of incremental aspect model-checking. *ACM Transactions*

on Software Engineering and Methodology, 16(2):7:1–7:??, April 2007. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Kiezun:2012:HSW

[KGA+12] Adam Kiezun, Vijay Ganesh, Shay Artzi, Philip J. Guo, Pieter Hooimeijer, and Michael D. Ernst. HAMPI: a solver for word equations over strings, regular expressions, and context-free grammars. *ACM Transactions on Software Engineering and Methodology*, 21(4):25:1–25:??, November 2012. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Kiper:1992:STR

[Kip92] James D. Kiper. Structural testing of rule-based expert systems. *ACM Transactions on Software Engineering and Methodology*, 1(2):168–187, April 1992. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1992-1-2/p168-kiper/p168-kiper.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1992-1-2/p168-kiper/`.

Kaiser:1993:PDI

[KK93] Gail E. Kaiser and Simon M. Kaplan. Parallel and distributed incremental attribute evaluation algorithms for multiuser software development environments. *ACM Transactions on Software Engineering and Methodology*, 2(1):47–92, January 1993. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1993-2-1/p47-kaiser/p47-kaiser.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1993-2-1/p47-kaiser/`.

Kramer:2004:CCM

[KK04] Stefan Kramer and Hermann Kaindl. Coupling and cohesion metrics for knowledge-based systems using frames and rules. *ACM Transactions on Software Engineering and Methodology*, 13(3):332–358, July 2004. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Keidar:2002:IBT

[KKLS02] Idit Keidar, Roger Khazan, Nancy Lynch, and Alex Shvartsman. An inheritance-based technique for building simulation proofs incrementally. *ACM Transactions on Software Engineering and Methodology*, 11 (1):63–91, January 2002. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Klint:1993:MEG

[Kli93] P. Klint. A meta-environment for generating programming environments. *ACM Transactions on Software Engineering*

and Methodology, 2(2):176–201, April 1993. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1993-2-2/p176-klint/p176-klint.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1993-2-2/p176-klint/`.

Klint:2005:TED

[KLV05] Paul Klint, Ralf Lämmel, and Chris Verhoef. Toward an engineering discipline for grammarware. *ACM Transactions on Software Engineering and Methodology*, 14(3): 331–380, July 2005. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Ko:2010:EAW

[KM10] Andrew J. Ko and Brad A. Myers. Extracting and answering why and why not questions about Java program output. *ACM Transactions on Software Engineering and Methodology*, 20(2):4:1–4:??, August 2010. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Karam:2008:ULT

[KSD08] Marcel R. Karam, Trevor J. Smedley, and Sergiu M. Dascalu. Unit-level test adequacy criteria for visual dataflow languages and a testing methodology. *ACM Transactions on Software Engineering and Methodology*, 18(1):1:1–1:??, September 2008. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Kuhn:1999:FCE

[Kuh99] D. Richard Kuhn. Fault classes and error detection capability of specification-based testing. *ACM Transactions on Software Engineering and Methodology*, 8(4):411–424, October 1999. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1999-8-4/p411-kuhn/p411-kuhn.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1999-8-4/p411-kuhn/`.

Lizcano:2013:WCA

[LASL13] David Lizcano, Fernando Alonso, Javier Soriano, and Genoveva Lopez. A web-centred approach to end-user software engineering. *ACM Transactions on Software Engineering and Methodology*, 22(4):36:1–36:??, October 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Layman:2014:MER

[LBZ14] Lucas Layman, Victor R. Basili, and Marvin V. Zelkowitz. A methodology for exposing risk in achieving emergent system properties. *ACM Transactions on Software Engineering and Methodology*, 23(3):22:1–22:??, May 2014. CODEN ATSMER.

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

Li:2014:SSA

[LCZL14] Yueqi Li, S. C. Cheung, Xiangyu Zhang, and Yepang Liu. Scaling up symbolic analysis by removing z-equivalent states. *ACM Transactions on Software Engineering and Methodology*, 23(4): 34:1–34:??, August 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Rosa:2013:BPM

[LDUD13] Marcello La Rosa, Marlon Dumas, Reina Uba, and Remco Dijkman. Business process model merging: An approach to business process consolidation. *ACM Transactions on Software Engineering and Methodology*, 22(2): 11:1–11:??, March 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Liang:2002:EAA

[LH02] Donglin Liang and Mary Jean Harrold. Equivalence analysis and its application in improving the efficiency of program slicing. *ACM Transactions on Software Engineering and Methodology*, 11(3):347–383, 2002. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Lhotak:2008:EBC

[LH08] Ondřej Lhoták and Laurie Hendren. Evaluating the benefits of context-sensitive points-to analysis using a BDD-based implementation. *ACM Transactions on Software Engineering and Methodology*, 18(1):3:1–3:??, September 2008. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Lu:2014:RBS

[LK14] Lunjin Lu and Dae-Kyoo Kim. Required behavior of sequence diagrams: Semantics and conformance. *ACM Transactions on Software Engineering and Methodology*, 23(2):15:1–15:??, March 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Louridas:2000:GMR

[LL00] Panagiotis Louridas and Pericles Loucopoulos. A generic model for reflective design. *ACM Transactions on Software Engineering and Methodology*, 9(2):199–237, April 2000. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/2000-9-2/p199-louridas/p199-louridas.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/2000-9-2/p199-louridas/`.

Li:2014:RIP

[LRCS14] Kaituo Li, Christoph Reichenbach, Christoph Csallner, and Yannis Smaragdakis. Residual investigation: Predictive and

precise bug detection. *ACM Transactions on Software Engineering and Methodology*, 24(2): 7:1–7:??, December 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Le:2013:MDF

[LS13] Wei Le and Mary Lou Soffa. Marple: Detecting faults in path segments using automatically generated analyses. *ACM Transactions on Software Engineering and Methodology*, 22 (3):18:1–18:??, July 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Louridas:2008:PLS

[LSV08] Panagiotis Louridas, Diomidis Spinellis, and Vasileios Vlachos. Power laws in software. *ACM Transactions on Software Engineering and Methodology*, 18(1): 2:1–2:??, September 2008. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Lopes:2003:HOA

[LWF03] Antónia Lopes, Michel Wermelinger, and José Luiz Fiadeiro. Higher-order architectural connectors. *ACM Transactions on Software Engineering and Methodology*, 12(1):64–104, 2003. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Lau:2005:EFC

[LY05] Man F. Lau and Yuen T. Yu. An extended fault class hierarchy for specification-based testing. *ACM Transactions on Software Engineering and Methodology*, 14(3):247–276, July 2005. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Liu:2014:DWN

[LYYC14] 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

[MA14] Wes Masri and Rawad Abou Assi. Prevalence of coincidental correctness and mitigation of its impact on fault localization. *ACM Transactions on Software Engineering and Methodology*, 23(1):8:1–8:??, February 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Meyers:2007:ESS

[MB07] Timothy M. Meyers and David Binkley. An empirical study of slice-based cohesion and coupling metrics. *ACM Transactions on Software Engineering and Methodology*, 17(1):2:1–2:27, December 2007. CODEN

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

Mahmoud:2015:ESR

[MB15] Anas Mahmoud and Gary Bradshaw. Estimating semantic relatedness in source code. *ACM Transactions on Software Engineering and Methodology*, 25(1): 10:1–10:??, December 2015. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

McMinn:2009:EEN

[MBH09] Phil McMinn, David Binkley, and Mark Harman. Empirical evaluation of a nesting testability transformation for evolutionary testing. *ACM Transactions on Software Engineering and Methodology*, 18(3):11:1–11:??, May 2009. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Mohagheghi:2008:EIS

[MC08] Parastoo Mohagheghi and Reidar Conradi. An empirical investigation of software reuse benefits in a large telecom product. *ACM Transactions on Software Engineering and Methodology*, 17(3):13:1–13:??, June 2008. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Memon:2008:ARE

[Mem08] Atif M. Memon. Automatically repairing event sequence-based GUI test suites for regression testing. *ACM Transactions on Software Engineering and Methodology*, 18(2):4:1–4:??, November 2008. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Mockus:2002:TCS

[MFH02] Audris Mockus, Roy T. Fielding, and James D. Herbsleb. Two case studies of open source software development: Apache and Mozilla. *ACM Transactions on Software Engineering and Methodology*, 11(3):309–346, 2002. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Mattsson:2012:AMA

[MFLL12] Anders Mattsson, Brian Fitzgerald, Björn Lundell, and Brian Lings. An approach for modeling architectural design rules in UML and its application to embedded software. *ACM Transactions on Software Engineering and Methodology*, 21(2): 10:1–10:??, March 2012. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Mills:2000:KBM

[MG00] Kevin L. Mills and Hassan Gomaa. A knowledge-based method for inferring semantic concepts from visual models of system behavior. *ACM Transactions on Software Engineering and Methodology*, 9(3):306–337, July 2000. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://`

www.acm.org/pubs/articles/journals/tosem/2000-9-3/p306-mills/p306-mills.pdf; http://www.acm.org/pubs/citations/journals/tosem/2000-9-3/p306-mills/.

Miles:2011:PMD

[MGMM11] Simon Miles, Paul Groth, Steve Munroe, and Luc Moreau. PrIMe: a methodology for developing provenance-aware applications. *ACM Transactions on Software Engineering and Methodology*, 20(3):8:1–8:??, August 2011. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Marin:2013:UFS

[MGP+13] Beatriz Marín, Giovanni Giachetti, Oscar Pastor, Tanja E. J. Vos, and Alain Abran. Using a functional size measurement procedure to evaluate the quality of models in MDD environments. *ACM Transactions on Software Engineering and Methodology*, 22(3):26:1–26:??, July 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Maoz:2011:CMS

[MHK11] Shahar Maoz, David Harel, and Asaf Kleinbort. A compiler for multimodal scenarios: Transforming LSCs into AspectJ. *ACM Transactions on Software Engineering and Methodology*, 20(4):18:1–18:??, September 2011. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Mkaouer:2015:MOS

[MKS+15] Wiem Mkaouer, Marouane Kessentini, Adnan Shaout, Patrice Koligheu, Slim Bechikh, Kalyanmoy Deb, and Ali Ouni. Many-objective software remodularization using NSGA-III. *ACM Transactions on Software Engineering and Methodology*, 24(3):17:1–17:??, May 2015. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Myers:2000:PPU

[ML00] Andrew C. Myers and Barbara Liskov. Protecting privacy using the decentralized label model. *ACM Transactions on Software Engineering and Methodology*, 9(4):410–442, October 2000. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/2000-9-4/p410-myers/p410-myers.pdf; http://www.acm.org/pubs/citations/journals/tosem/2000-9-4/p410-myers/.

Monperrus:2013:DMM

[MM13] Martin Monperrus and Mira Mezini. Detecting missing method calls as violations of the majority rule. *ACM Transactions on Software Engineering and Methodology*, 22(1):7:1–7:??, February 2013. CODEN

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

Mari:2014:MBS

[MMST14] Federico Mari, Igor Melatti, Ivano Salvo, and Enrico Tronci. Model-based synthesis of control software from system-level formal specifications. *ACM Transactions on Software Engineering and Methodology*, 23(1):6:1–6:??, February 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Murphy:1996:LLS

[MN96] Gail C. Murphy and David Notkin. Lightweight lexical source model extraction. *ACM Transactions on Software Engineering and Methodology*, 5(3):262–292, July 1996. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1996-5-3/p262-murphy/p262-murphy.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1996-5-3/p262-murphy/`.

Murphy:1998:ESS

[MNGL98] Gail C. Murphy, David Notkin, William G. Griswold, and Erica S. Lan. An empirical study of static call graph extractors. *ACM Transactions on Software Engineering and Methodology*, 7(2):158–191, April 1998. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1998-7-2/p158-murphy/p158-murphy.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1998-7-2/p158-murphy/`.

Masri:2009:MSI

[MP09] Wes Masri and Andy Podgurski. Measuring the strength of information flows in programs. *ACM Transactions on Software Engineering and Methodology*, 19(2):5:1–5:??, October 2009. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Murphy:2014:ISI

[MP14] Gail C. Murphy and Mauro Pezzé. Introduction to the special issue International Conference on Software Engineering (ICSE 2012). *ACM Transactions on Software Engineering and Methodology*, 23(4):28:1–28:??, August 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Moscato:2014:DTV

[MPF14] Mariano M. Moscato, Carlos G. Lopez Pombo, and Marcelo F. Frias. Dynamite: a tool for the verification of alloy models based on PVS. *ACM Transactions on Software Engineering and Methodology*, 23(2):20:1–20:??, March 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Mcmillan:2013:PSR

[MPG+13] Collin Mcmillan, Denys Poshyvanyk, Mark Grechanik, Qing Xie, and Chen Fu. Portfolio: Searching for relevant functions and their usages in millions of lines of code. *ACM Transactions on Software Engineering and Methodology*, 22(4): 37:1–37:??, October 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Murphy:2006:LCM

[MPR06] Amy L. Murphy, Gian Pietro Picco, and Gruia-Catalin Roman. LIME: a coordination model and middleware supporting mobility of hosts and agents. *ACM Transactions on Software Engineering and Methodology*, 15(3):279–328, July 2006. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Martignoni:2013:MTC

[MPR+13] Lorenzo Martignoni, Roberto Paleari, Alessandro Reina, Giampaolo Fresi Roglia, and Danilo Bruschi. A methodology for testing CPU emulators. *ACM Transactions on Software Engineering and Methodology*, 22(4):29:1–29:??, October 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Machado:2016:CDD

[MQLR16] Nuno Machado, Daniel Quinta, Brandon Lucia, and Luís Rodrigues. Concurrency debugging with differential schedule projections. *ACM Transactions on Software Engineering and Methodology*, 25(2):14:1–14:??, May 2016. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

McCann:1999:MMI

[MR99] Peter J. McCann and Gruia-Catalin Roman. Modeling mobile IP in mobile UNITY. *ACM Transactions on Software Engineering and Methodology*, 8(2):115–146, April 1999. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1999-8-2/p115-mccann/p115-mccann.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1999-8-2/p115-mccann/`.

Moser:1997:GED

[MRK+97] L. E. Moser, Y. S. Ramakrishna, G. Kutty, P. M. Melliar-Smith, and L. K. Dillon. A graphical environment for the design of concurrent real-time systems. *ACM Transactions on Software Engineering and Methodology*, 6(1):31–79, January 1997. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1997-6-1/p31-moser/p31-moser.pdf`; `http://www.acm.org/pubs/citations/`

journals/tosem/1997-6-1/p31-moser/.

Milanova:2005:POS

[MRR05] Ana Milanova, Atanas Rountev, and Barbara G. Ryder. Parameterized object sensitivity for points-to analysis for Java. *ACM Transactions on Software Engineering and Methodology*, 14(1):1–41, January 2005. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Medvidovic:2002:MSA

[MRRR02] Nenad Medvidovic, David S. Rosenblum, David F. Redmiles, and Jason E. Robbins. Modeling software architectures in the Unified Modeling Language. *ACM Transactions on Software Engineering and Methodology*, 11(1):2–57, January 2002. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Morzenti:1994:OOL

[MS94] Angelo Morzenti and Pierluigi San Pietro. Object-oriented logical specification of time-critical systems. *ACM Transactions on Software Engineering and Methodology*, 3(1):56–98, January 1994. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1994-3-1/p56-morzenti/p56-morzenti.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1994-3-1/p56-morzenti/`.

Miller:2003:FTS

[MS03] Tim Miller and Paul Strooper. A framework and tool support for the systematic testing of model-based specifications. *ACM Transactions on Software Engineering and Methodology*, 12(4):409–439, October 2003. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Moller:2014:ADC

[MS14] Anders Møller and Mathias Schwarz. Automated detection of client-state manipulation vulnerabilities. *ACM Transactions on Software Engineering and Methodology*, 23(4):29:1–29:??, August 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Murukannaiah:2015:PAL

[MS15] Pradeep K. Murukannaiah and Munindar P. Singh. Platys: an active learning framework for place-aware application development and its evaluation. *ACM Transactions on Software Engineering and Methodology*, 24 (3):19:1–19:??, May 2015. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Meneely:2012:VSM

[MSW12] Andrew Meneely, Ben Smith, and Laurie Williams. Validating software metrics: a spec-

trum of philosophies. *ACM Transactions on Software Engineering and Methodology*, 21 (4):24:1–24:??, November 2012. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Maalej:2014:CPC

[MTRK14] Walid Maalej, Rebecca Tiarks, Tobias Roehm, and Rainer Koschke. On the comprehension of program comprehension. *ACM Transactions on Software Engineering and Methodology*, 23(4):31:1–31:??, August 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Minsky:2000:LGI

[MU00] Naftaly H. Minsky and Victoria Ungureanu. Law-governed interaction: a coordination and control mechanism for heterogeneous distributed systems. *ACM Transactions on Software Engineering and Methodology*, 9(3):273–305, July 2000. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/2000-9-3/p273-minsky/p273-minsky.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/2000-9-3/p273-minsky/`.

Marin:2007:ICC

[MVM07] Marius Marin, Arie Van Deursen, and Leon Moonen. Identifying Crosscutting Concerns Using Fan-In Analysis. *ACM Transactions on Software Engineering and Methodology*, 17(1): 3:1–3:37, December 2007. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Mcminn:2015:ETC

[MWK15] Phil Mcminn, Chris J. Wright, and Gregory M. Kapfhammer. The effectiveness of test coverage criteria for relational database schema integrity constraints. *ACM Transactions on Software Engineering and Methodology*, 25(1):8:1–8:??, December 2015. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Minku:2013:SEE

[MY13] Leandro L. Minku and Xin Yao. Software effort estimation as a multiobjective learning problem. *ACM Transactions on Software Engineering and Methodology*, 22(4):35:1–35:??, October 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Mamei:2009:PPM

[MZ09] Marco Mamei and Franco Zambonelli. Programming pervasive and mobile computing applications: The TOTA approach. *ACM Transactions on Software Engineering and Methodology*, 18(4):15:1–15:??, July 2009. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Nijjar:2015:DMP

[NBB15] Jaideep Nijjar, Ivan Bocić, and Tevfik Bultan. Data model property inference, verification, and repair for Web applications. *ACM Transactions on Software Engineering and Methodology*, 24(4):25:1–25:??, August 2015. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Nentwich:2003:FCC

[NEFE03] Christian Nentwich, Wolfgang Emmerich, Anthony Finkelstein, and Ernst Ellmer. Flexible consistency checking. *ACM Transactions on Software Engineering and Methodology*, 12 (1):28–63, 2003. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Nguyen:2014:DDI

[NKWF14] Thanhvu Nguyen, Deepak Kapur, Westley Weimer, and Stephanie Forrest. DIG: a dynamic invariant generator for polynomial and array invariants. *ACM Transactions on Software Engineering and Methodology*, 23(4):30:1–30:??, August 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Nie:2011:MFC

[NL11] Changhai Nie and Hareton Leung. The minimal failure-causing schema of combinatorial testing. *ACM Transactions on Software Engineering and Methodology*, 20(4):15:1–15:??, September 2011. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Naish:2011:MSB

[NLR11] Lee Naish, Hua Jie Lee, and Kotagiri Ramamohanarao. A model for spectra-based software diagnosis. *ACM Transactions on Software Engineering and Methodology*, 20(3): 11:1–11:??, August 2011. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Notkin:2007:Ea

[Not07a] David Notkin. Editorial. *ACM Transactions on Software Engineering and Methodology*, 16(1): 1:1–1:??, February 2007. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Notkin:2007:Eb

[Not07b] David Notkin. Editorial. *ACM Transactions on Software Engineering and Methodology*, 16 (2):6:1–6:??, April 2007. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Notkin:2007:Ec

[Not07c] David Notkin. Editorial. *ACM Transactions on Software Engineering and Methodology*, 17(1): 1:1–1:2, December 2007. CODEN ATSMER. ISSN 1049-

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

Notkin:2008:Ea

[Not08a] David Notkin. Editorial. *ACM Transactions on Software Engineering and Methodology*, 17 (2):5:1–5:??, April 2008. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Notkin:2008:Eb

[Not08b] David Notkin. Editorial. *ACM Transactions on Software Engineering and Methodology*, 17 (3):12:1–12:??, June 2008. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Notkin:2009:E

[Not09] David Notkin. Editorial. *ACM Transactions on Software Engineering and Methodology*, 18 (3):8:1–8:??, May 2009. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Notkin:2010:E

[Not10] David Notkin. Editorial. *ACM Transactions on Software Engineering and Methodology*, 19(3): 7:1–7:??, January 2010. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Notkin:2012:E

[Not12] David Notkin. Editorial. *ACM Transactions on Software Engineering and Methodology*, 21 (2):7:1–7:??, March 2012. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Notkin:2013:ELB

[Not13] David Notkin. Editorial — looking back. *ACM Transactions on Software Engineering and Methodology*, 22(1):1:1–1:??, February 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Notkin:2008:ISS

[NP08] David Notkin and Mauro Pezzè. Introduction to the special section from the ACM international symposium on software testing and analysis (ISSTA 2006). *ACM Transactions on Software Engineering and Methodology*, 17(2):6:1–6:??, April 2008. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

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(1):2:1–2:??, August 2009. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Offutt:1992:IST

[Off92] A. Jefferson Offutt. Investigations of the software testing cou-

pling effect. *ACM Transactions on Software Engineering and Methodology*, 1(1):5–20, January 1992. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1992-1-1/p5-offutt/p5-offutt.pdf; http://www.acm.org/pubs/citations/journals/tosem/1992-1-1/p5-offutt/.

Osterweil:2005:E

[OGKW05] Leon Osterweil, Carlo Ghezzi, Jeff Kramer, and Alexander Wolf. Editorial. *ACM Transactions on Software Engineering and Methodology*, 14(4):381–382, October 2005. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Ostertag:1992:CSR

[OHDB92] Eduardo Ostertag, James Hendler, Rubén Prieto Díaz, and Christine Braun. Computing similarity in a reuse library system: an AI-based approach. *ACM Transactions on Software Engineering and Methodology*, 1(3):205–228, July 1992. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1992-1-3/p205-ostertag/p205-ostertag.pdf; http://www.acm.org/pubs/citations/journals/tosem/1992-1-3/p205-ostertag/.

Ouni:2016:MCC

[OKS+16] Ali Ouni, Marouane Kessentini, Houari Sahraoui, Katsuro Inoue, and Kalyanmoy Deb. Multi-criteria code refactoring using search-based software engineering: an industrial case study. *ACM Transactions on Software Engineering and Methodology*, 25(3):23:1–23:??, August 2016. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Offutt:1996:EDS

[OLR+96] A. Jefferson Offutt, Ammei Lee, Gregg Rothermel, Roland H. Untch, and Christian Zapf. An experimental determination of sufficient mutant operators. *ACM Transactions on Software Engineering and Methodology*, 5(2):99–118, April 1996. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1996-5-2/p99-offutt/p99-offutt.pdf; http://www.acm.org/pubs/citations/journals/tosem/1996-5-2/p99-offutt/.

Olender:1992:ISA

[OO92] Kurt M. Olender and Leon J. Osterweil. Interprocedural static analysis of sequencing constraints. *ACM Transactions on Software Engineering and Methodology*, 1(1):21–52, January 1992. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://

www.acm.org/pubs/articles/journals/tosem/1992-1-1/p21-olender/p21-olender.pdf; http://www.acm.org/pubs/citations/journals/tosem/1992-1-1/p21-olender/.

Orso:2004:CDD

[OSH04] Alessandro Orso, Saurabh Sinha, and Mary Jean Harrold. Classifying data dependences in the presence of pointers for program comprehension, testing, and debugging. *ACM Transactions on Software Engineering and Methodology*, 13 (2):199–239, April 2004. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Ostroff:1999:CRD

[Ost99] Jonathan S. Ostroff. Composition and refinement of discrete real-time systems. *ACM Transactions on Software Engineering and Methodology*, 8(1):1–48, January 1999. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1999-8-1/p1-ostroff/p1-ostroff.pdf; http://www.acm.org/pubs/citations/journals/tosem/1999-8-1/p1-ostroff/.

Ponge:2010:AAT

[PBCT10] Julien Ponge, Boualem Benatallah, Fabio Casati, and Farouk Toumani. Analysis and applications of timed service protocols. *ACM Transactions on Software Engineering and Methodology*, 19(4):11:1–11:??, April 2010. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Paige:2007:MBM

[PBO07] Richard F. Paige, Phillip J. Brooke, and Jonathan S. Ostroff. Metamodel-based model conformance and multiview consistency checking. *ACM Transactions on Software Engineering and Methodology*, 16(3): 11:1–11:??, July 2007. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Pavese:2016:LME

[PBU16] Esteban Pavese, Víctor Braberman, and Sebastian Uchitel. Less is more: Estimating probabilistic rewards over partial system explorations. *ACM Transactions on Software Engineering and Methodology*, 25(2): 16:1–16:??, May 2016. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Petrenko:1997:CRT

[Pet97] Alexandre Petrenko. Comments on "A reduced test suite for protocol conformance testing". *ACM Transactions on Software Engineering and Methodology*, 6(3):329–331, July 1997. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://

www.acm.org/pubs/articles/journals/tosem/1997-6-3/p329-petrenko/p329-petrenko.pdf; http://www.acm.org/pubs/citations/journals/tosem/1997-6-3/p329-petrenko/. See [Ber94].

Poshyvanyk:2012:CLU

[PGM12] Denys Poshyvanyk, Malcom Gethers, and Andrian Marcus. Concept location using formal concept analysis and information retrieval. *ACM Transactions on Software Engineering and Methodology*, 21(4):23:1–23:??, November 2012. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Payton:2010:SSA

[PJRR10] Jamie Payton, Christine Julien, Gruia-Catalin Roman, and Vasanth Rajamani. Semantic self-assessment of query results in dynamic environments. *ACM Transactions on Software Engineering and Methodology*, 19(4):12:1–12:??, April 2010. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Proksch:2015:ICC

[PLM15] Sebastian Proksch, Johannes Lerch, and Mira Mezini. Intelligent code completion with Bayesian networks. *ACM Transactions on Software Engineering and Methodology*, 25(1):3:1–3:??, December 2015. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Podgurski:1999:ESR

[PMM+99] Andy Podgurski, Wassim Masri, Yolanda McCleese, Francis G. Wolff, and Charles Yang. Estimation of software reliability by stratified sampling. *ACM Transactions on Software Engineering and Methodology*, 8(3):263–283, July 1999. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1999-8-3/p263-podgurski/p263-podgurski.pdf; http://www.acm.org/pubs/citations/journals/tosem/1999-8-3/p263-podgurski/.

Pradella:2013:BSC

[PMS13] Matteo Pradella, Angelo Morzenti, and Pierluigi San Pietro. Bounded satisfiability checking of metric temporal logic specifications. *ACM Transactions on Software Engineering and Methodology*, 22(3):20:1–20:??, July 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Pons:2002:TAC

[Pon02] Alexander P. Pons. Temporal abstract classes and virtual temporal specifications for real-time systems. *ACM Transactions on Software Engineering and Methodology*, 11(3):291–308, 2002. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Podgurski:1993:RRS

[PP93] Andy Podgurski and Lynn Pierce. Retrieving reusable software by sampling behavior. *ACM Transactions on Software Engineering and Methodology*, 2(3):286–303, July 1993. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1993-2-3/p286-podgurski/p286-podgurski.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1993-2-3/p286-podgurski/`.

Parisi-Presicce:1994:ATC

[PPP94] Francesco Parisi-Presicce and Alfonso Pierantonio. An algebraic theory of class specification. *ACM Transactions on Software Engineering and Methodology*, 3(2):166–199, April 1994. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1994-3-2/p166-parisi-presicce/p166-parisi-presicce.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1994-3-2/p166-parisi-presicce/`.

Picco:2001:RAC

[PRM01] Gian Pietro Picco, Gruia-Catalin Roman, and Peter J. McCann. Reasoning about code mobility with mobile UNITY. *ACM Transactions on Software Engineering and Methodology*, 10(3):338–395, July 2001. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Porter:1998:USV

[PSMV98] Adam Porter, Harvey Siy, Audris Mockus, and Lawrence Votta. Understanding the sources of variation in software inspections. *ACM Transactions on Software Engineering and Methodology*, 7(1):41–79, January 1998. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1998-7-1/p41-porter/p41-porter.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1998-7-1/p41-porter/`.

Perry:2001:PCL

[PSV01] Dewayne E. Perry, Harvey P. Siy, and Lawrence G. Votta. Parallel changes in large-scale software development: an observational case study. *ACM Transactions on Software Engineering and Methodology*, 10 (3):308–337, July 2001. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Pezze:1995:GMR

[PTY95] Mauro Pezzè, Richard N. Taylor, and Michal Young. Graph models for reachability analysis of concurrent programs. *ACM Transactions on Software Engineering and Method-*

ology, 4(2):171–213, April 1995. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1995-4-2/p171-pezze/p171-pezze.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1995-4-2/p171-pezze/`.

Pohl:1999:PTP

[PWD+99] Klaus Pohl, Klaus Weidenhaupt, Ralf Dömges, Peter Haumer, Matthias Jarke, and Ralf Klamma. PRIME — toward process-integrated modeling environments: 1. *ACM Transactions on Software Engineering and Methodology*, 8 (4):343–410, October 1999. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1999-8-4/p343-pohl/p343-pohl.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1999-8-4/p343-pohl/`.

Pan:2014:GTG

[PWX14] Kai Pan, Xintao Wu, and Tao Xie. Guided test generation for database applications via synthesized database interactions. *ACM Transactions on Software Engineering and Methodology*, 23(2):12:1–12:??, March 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Qi:2013:PEB

[QNR13] Dawei Qi, Hoang D. T. Nguyen, and Abhik Roychoudhury. Path exploration based on symbolic output. *ACM Transactions on Software Engineering and Methodology*, 22(4):32:1–32:??, October 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Qi:2012:DAD

[QRLV12] Dawei Qi, Abhik Roychoudhury, Zhenkai Liang, and Kapil Vaswani. DARWIN: an approach to debugging evolving programs. *ACM Transactions on Software Engineering and Methodology*, 21(3):19:1–19:??, June 2012. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Queralt:2012:VVU

[QT12] Anna Queralt and Ernest Teniente. Verification and validation of UML conceptual schemas with OCL constraints. *ACM Transactions on Software Engineering and Methodology*, 21(2): 13:1–13:??, March 2012. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Rothermel:2001:MTS

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

(1):110–147, January 2001. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/2001-10-1/p110-rothermel/p110-rothermel.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/2001-10-1/p110-rothermel/`.

Radoi:2015:ETS

[RD15] Cosmin Radoi and Danny Dig. Effective techniques for static race detection in Java parallel loops. *ACM Transactions on Software Engineering and Methodology*, 24(4):24:1–24:??, August 2015. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Reiss:1999:DE

[Rei99] Steven P. Reiss. The Desert environment. *ACM Transactions on Software Engineering and Methodology*, 8(4):297–342, October 1999. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1999-8-4/p297-reiss/p297-reiss.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1999-8-4/p297-reiss/`.

Rothermel:2004:TSC

[REM+04] Gregg Rothermel, Sebastian Elbaum, Alexey G. Malishevsky, Praveen Kallakuri, and Xuemei Qiu. On test suite composition and cost-effective regression testing. *ACM Transactions on Software Engineering and Methodology*, 13(3):277–331, July 2004. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Rigby:2014:PRO

[RGCS14] Peter C. Rigby, Daniel M. German, Laura Cowen, and Margaret-Anne Storey. Peer review on open-source software projects: Parameters, statistical models, and theory. *ACM Transactions on Software Engineering and Methodology*, 23(4):35:1–35:??, August 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Roychoudhury:2012:SMS

[RGS12] Abhik Roychoudhury, Ankit Goel, and Bikram Sengupta. Symbolic message sequence charts. *ACM Transactions on Software Engineering and Methodology*, 21(2):12:1–12:??, March 2012. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Rothermel:1997:SER

[RH97] Gregg Rothermel and Mary Jean Harrold. A safe, efficient regression test selection technique. *ACM Transactions on Software Engineering and Methodology*, 6(2):173–210, April 1997. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/`

journals/tosem/1997-6-2/p173-rothermel/p173-rothermel.pdf; http://www.acm.org/pubs/citations/journals/tosem/1997-6-2/p173-rothermel/.

Robillard:2003:SAS

[RM03] Martin P. Robillard and Gail C. Murphy. Static analysis to support the evolution of exception structure in object-oriented systems. *ACM Transactions on Software Engineering and Methodology*, 12(2): 191–221, April 2003. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Robillard:2007:RCS

[RM07] Martin P. Robillard and Gail C. Murphy. Representing concerns in source code. *ACM Transactions on Software Engineering and Methodology*, 16(1):3:1–3:??, February 2007. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Roman:1997:MUR

[RMP97] Gruia-Catalin Roman, Peter J. McCann, and Jerome Y. Plun. Mobile UNITY: reasoning and specification in mobile computing. *ACM Transactions on Software Engineering and Methodology*, 6(3):250–282, July 1997. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1997-6-3/p250-roman/p250-roman.pdf; http://www.acm.org/pubs/citations/journals/tosem/1997-6-3/p250-roman/.

Robillard:2008:TAS

[Rob08] Martin P. Robillard. Topology analysis of software dependencies. *ACM Transactions on Software Engineering and Methodology*, 17(4):18:1–18:??, August 2008. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Rosenblum:2013:ELF

[Ros13a] David S. Rosenblum. Editorial — looking forward. *ACM Transactions on Software Engineering and Methodology*, 22(1): 2:1–2:??, February 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Rosenblum:2013:MDN

[Ros13b] David S. Rosenblum. In memoriam: David Notkin (1955–2013). *ACM Transactions on Software Engineering and Methodology*, 22(3):16:1–16:??, July 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Rosenblum:2014:Ea

[Ros14a] David S. Rosenblum. Editorial. *ACM Transactions on Software Engineering and Methodology*, 23(1):1:1–1:??, February 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Rosenblum:2014:Eb

[Ros14b] David S. Rosenblum. Editorial. *ACM Transactions on Software Engineering and Methodology*, 23(2):11:1–11:??, March 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Rosenblum:2014:E

[Ros14c] David S. Rosenblum. Editorial. *ACM Transactions on Software Engineering and Methodology*, 23(4):27:1–27:??, August 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Rosenblum:2016:E

[Ros16] David S. Rosenblum. Editorial. *ACM Transactions on Software Engineering and Methodology*, 25(2):11:1–11:??, May 2016. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Rajan:2009:UAO

[RS09] Hridesh Rajan and Kevin J. Sullivan. Unifying aspect- and object-oriented design. *ACM Transactions on Software Engineering and Methodology*, 19(1): 3:1–3:??, August 2009. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Ryder:2005:ISE

[RSB05] Barbara G. Ryder, Mary Lou Soffa, and Margaret Burnett. The impact of software engineering research on modern programming languages. *ACM Transactions on Software Engineering and Methodology*, 14(4): 431–477, October 2005. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Ricca:2014:AES

[RST+14] Filippo Ricca, Giuseppe Scanniello, Marco Torchiano, Gianna Reggio, and Egidio Astesiano. Assessing the effect of screen mockups on the comprehension of functional requirements. *ACM Transactions on Software Engineering and Methodology*, 24(1):1:1–1:??, September 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Roshandel:2004:MSM

[RVMRM04] Roshanak Roshandel, André Van Der Hoek, Marija Mikic-Rakic, and Nenad Medvidovic. Mae—a system model and environment for managing architectural evolution. *ACM Transactions on Software Engineering and Methodology*, 13(2): 240–276, April 2004. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Stol:2014:KFA

[SAB+14] Klaas-Jan Stol, Paris Avgeriou, Muhammad Ali Babar, Yan Lucas, and Brian Fitzgerald. Key factors for adopting inner source. *ACM Trans-*

actions on Software Engineering and Methodology, 23(2): 18:1–18:??, March 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Smaragdakis:2002:MLO

[SB02] Yannis Smaragdakis and Don Batory. Mixin layers: an object-oriented implementation technique for refinements and collaboration-based designs. *ACM Transactions on Software Engineering and Methodology*, 11(2):215–255, 2002. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Snook:2006:UBF

[SB06] Colin Snook and Michael Butler. UML-B: Formal modeling and design aided by UML. *ACM Transactions on Software Engineering and Methodology*, 15 (1):92–122, January 2006. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Sinnig:2013:UCT

[SCK13] Daniel Sinnig, Patrice Chalin, and Ferhat Khendek. Use case and task models: an integrated development methodology and its formal foundation. *ACM Transactions on Software Engineering and Methodology*, 22 (3):27:1–27:??, July 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Stolee:2014:SSS

[SED14] Kathryn T. Stolee, Sebastian Elbaum, and Daniel Dobos. Solving the search for source code. *ACM Transactions on Software Engineering and Methodology*, 23(3):26:1–26:??, May 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Sherman:2015:DTB

[SGD15] Elena Sherman, Brady J. Garvin, and Matthew B. Dwyer. Deciding type-based partial-order constraints for path-sensitive analysis. *ACM Transactions on Software Engineering and Methodology*, 24(3): 15:1–15:??, May 2015. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Sistla:2000:SSB

[SGE00] A. Prasad Sistla, Viktor Gyuris, and E. Allen Emerson. SMC: a symmetry-based model checker for verification of safety and liveness properties. *ACM Transactions on Software Engineering and Methodology*, 9(2):133–166, April 2000. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/2000-9-2/p133-sistla/p133-sistla.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/2000-9-2/p133-sistla/`.

Scanniello:2014:IUA

[SGG+14] Giuseppe Scanniello, Carmine Gravino, Marcela Genero, Jose' A. Cruz-Lemus, and Genoveffa Tortora. On the impact of UML analysis models on source-code comprehensibility and modifiability. *ACM Transactions on Software Engineering and Methodology*, 23(2):13:1–13:??, March 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Shonle:2012:FCR

[SGL12] Macneil Shonle, William G. Griswold, and Sorin Lerner. A framework for the checking and refactoring of crosscutting concepts. *ACM Transactions on Software Engineering and Methodology*, 21(3):15:1–15:??, June 2012. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Sullivan:2010:MAO

[SGR+10] Kevin Sullivan, William G. Griswold, Hridesh Rajan, Yuanyuan Song, Yuanfang Cai, Macneil Shonle, and Nishit Tewari. Modular aspect-oriented design with XPIs. *ACM Transactions on Software Engineering and Methodology*, 20(2):5:1–5:??, August 2010. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Scanniello:2015:DDP

[SGR+15] Giuseppe Scanniello, Carmine Gravino, Michele Risi, Genoveffa Tortora, and Gabriella Dodero. Documenting design-pattern instances: a family of experiments on source-code comprehensibility. *ACM Transactions on Software Engineering and Methodology*, 24(3): 14:1–14:??, May 2015. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Sutton:1995:ALS

[SHO95] Stanley M. Sutton, Dennis Heimbigner, and Leon J. Osterweil. APPL/A: a language for software process programming. *ACM Transactions on Software Engineering and Methodology*, 4(3):221–286, July 1995. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1995-4-3/p221-sutton/p221-sutton.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1995-4-3/p221-sutton/`.

Sinha:2001:ICD

[SHR01] Saurabh Sinha, Mary Jean Harrold, and Gregg Rothermel. Interprocedural control dependence. *ACM Transactions on Software Engineering and Methodology*, 10(2):209–254, April 2001. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/2001-10-2/p209-sinha/p209-sinha.pdf`;

http://www.acm.org/pubs/citations/journals/tosem/2001-10-2/p209-sinha/.

Singh:2010:SWE

[Sin10] Param Vir Singh. The small-world effect: The influence of macro-level properties of developer collaboration networks on open-source project success. *ACM Transactions on Software Engineering and Methodology*, 20(2):6:1–6:??, August 2010. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Sahin:2014:CSD

[SKBD14] Dilan Sahin, Marouane Kessentini, Slim Bechikh, and Kalyanmoy Deb. Code-smell detection as a bilevel problem. *ACM Transactions on Software Engineering and Methodology*, 24(1): 6:1–6:??, September 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Sun:2013:MVH

[SLD+13] Jun Sun, Yang Liu, Jin Song Dong, Yan Liu, Ling Shi, and Étienne André. Modeling and verifying hierarchical real-time systems using stateful timed CSP. *ACM Transactions on Software Engineering and Methodology*, 22(1):3:1–3:??, February 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Strecker:2012:ADC

[SM12] Jaymie Strecker and Atif M. Memon. Accounting for defect characteristics in evaluations of testing techniques. *ACM Transactions on Software Engineering and Methodology*, 21 (3):17:1–17:??, June 2012. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Siegel:2008:CSE

[SMAC08] Stephen F. Siegel, Anastasia Mironova, George S. Avrunin, and Lori A. Clarke. Combining symbolic execution with model checking to verify parallel numerical programs. *ACM Transactions on Software Engineering and Methodology*, 17(2): 10:1–10:??, April 2008. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Schneider:1992:ESF

[SMT92] G. Michael Schneider, Johnny Martin, and W. T. Tsai. An experimental study of fault detection in user requirements documents. *ACM Transactions on Software Engineering and Methodology*, 1(2):188–204, April 1992. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL http://www.acm.org/pubs/articles/journals/tosem/1992-1-2/p188-schneider/p188-schneider.pdf; http://www.acm.org/pubs/citations/journals/tosem/1992-1-2/p188-schneider/.

Sullivan:1992:REI

[SN92] Kevin J. Sullivan and David Notkin. Reconciling environment integration and software evolution. *ACM Transactions on Software Engineering and Methodology*, 1(3):229–268, July 1992. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1992-1-3/p229-sullivan/p229-sullivan.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1992-1-3/p229-sullivan/`.

Snelting:1996:RCB

[Sne96] Gregor Snelting. Reengineering of configurations based on mathematical concept analysis. *ACM Transactions on Software Engineering and Methodology*, 5(2):146–189, April 1996. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1996-5-2/p146-snelting/p146-snelting.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1996-5-2/p146-snelting/`.

Steimann:2010:TMI

[SPAK10] Friedrich Steimann, Thomas Pawlitzki, Sven Apel, and Christian Kästner. Types and modularity for implicit invocation with implicit announcement. *ACM Transactions on Software Engineering and Methodology*, 20(1):1:1–1:??, June 2010. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Santhiar:2014:MUT

[SPK14] Anirudh Santhiar, Omesh Pandita, and Aditya Kanade. Mining unit tests for discovery and migration of math APIs. *ACM Transactions on Software Engineering and Methodology*, 24(1):4:1–4:??, September 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Sommerville:2005:ESI

[SR05] Ian Sommerville and Jane Ransom. An empirical study of industrial requirements engineering process assessment and improvement. *ACM Transactions on Software Engineering and Methodology*, 14(1):85–117, January 2005. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Snelting:2006:EPC

[SRK06] Gregor Snelting, Torsten Robschink, and Jens Krinke. Efficient path conditions in dependence graphs for software safety analysis. *ACM Transactions on Software Engineering and Methodology*, 15(4):410–457, October 2006. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Schrefl:2002:BCS

[SS02] Michael Schrefl and Markus Stumptner. Behavior-consistent specialization of object life cycles. *ACM Transactions on Software Engineering and Methodology*, 11(1):92–148, January 2002. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Sinha:2006:HMB

[SS06] Avik Sinha and Carol Smidts. HOTTest: a model-based test design technique for enhanced testing of domain-specific applications. *ACM Transactions on Software Engineering and Methodology*, 15(3): 242–278, July 2006. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Sim:2011:HWD

[SURL11] Susan Elliott Sim, Medha Umarji, Sukanya Ratanotayanon, and Cristina V. Lopes. How well do search engines support code retrieval on the Web? *ACM Transactions on Software Engineering and Methodology*, 21(1): 4:1–4:??, December 2011. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Tichy:1995:AR

[TAW95] Walter Tichy, Rolf Adams, and Annette Weinert. Authors' response. *ACM Transactions on Software Engineering and Methodology*, 4(2):217–219, April 1995. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1995-4-2/p217-tichy/p217-tichy.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1995-4-2/p217-tichy/`. See [ATW94, Bre95].

Trammell:1992:APC

[TBS92] Carmen J. Trammell, Leon H. Binder, and Cathrine E. Snyder. The automated production control documentation system: a case study in cleanroom software engineering. *ACM Transactions on Software Engineering and Methodology*, 1(1):81–94, January 1992. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1992-1-1/p81-trammell/p81-trammell.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1992-1-1/p81-trammell/`.

Tip:2001:SBA

[TD01] F. Tip and T. B. Dinesh. A slicing-based approach for locating type errors. *ACM Transactions on Software Engineering and Methodology*, 10(1):5–55, January 2001. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/2001-10-1/p5-tip/p5-tip.pdf`; `http://www.acm.org/pubs/citations/`

journals/tosem/2001-10-1/p5-tip/.

Tilevich:2011:EEP

[TG11] Eli Tilevich and Sriram Gopal. Expressive and extensible parameter passing for distributed object systems. *ACM Transactions on Software Engineering and Methodology*, 21(1):3:1–3:??, December 2011. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Thiran:2006:WBE

[THHB06] Philippe Thiran, Jean-Luc Hainaut, Geert-Jan Houben, and Djamal Benslimane. Wrapper-based evolution of legacy information systems. *ACM Transactions on Software Engineering and Methodology*, 15(4):329–359, October 2006. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Tiwana:2008:ICD

[Tiw08] Amrit Tiwana. Impact of classes of development coordination tools on software development performance: a multinational empirical study. *ACM Transactions on Software Engineering and Methodology*, 17(2):11:1–11:??, April 2008. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Tsuchiya:2002:FCE

[TK02] Tatsuhiro Tsuchiya and Tohru Kikuno. On fault classes and error detection capability of specification-based testing. *ACM Transactions on Software Engineering and Methodology*, 11(1):58–62, January 2002. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Tappenden:2014:ACC

[TM14] Andrew F. Tappenden and James Miller. Automated cookie collection testing. *ACM Transactions on Software Engineering and Methodology*, 23(1):3:1–3:??, February 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Tateishi:2013:PIS

[TPT13] Takaaki Tateishi, Marco Pistoia, and Omer Tripp. Path- and index-sensitive string analysis based on monadic second-order logic. *ACM Transactions on Software Engineering and Methodology*, 22(4):33:1–33:??, October 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Tilevich:2009:JOE

[TS09] Eli Tilevich and Yannis Smaragdakis. J-Orchestra: Enhancing Java programs with distribution capabilities. *ACM Transactions on Software Engineering and Methodology*, 19(1):1:1–1:??, August 2009. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Tyszberowicz:1992:OPL

[TY92] Shmuel Tyszberowicz and Amiram Yehudai. OBSERV — a prototyping language and environment. *ACM Transactions on Software Engineering and Methodology*, 1(3):269–309, July 1992. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1992-1-3/p269-tyszberowicz/p269-tyszberowicz.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1992-1-3/p269-tyszberowicz/`.

Tan:2009:CDM

[TZZ09] Hee Beng Kuan Tan, Yuan Zhao, and Hongyu Zhang. Conceptual data model-based software size estimation for information systems. *ACM Transactions on Software Engineering and Methodology*, 19(2):4:1–4:??, October 2009. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Unterkalmsteiner:2014:TRE

[UFG14] M. Unterkalmsteiner, R. Feldt, and T. Gorschek. A taxonomy for requirements engineering and software test alignment. *ACM Transactions on Software Engineering and Methodology*, 23(2):16:1–16:??, March 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Uchitel:2004:IES

[UKM04] Sebastian Uchitel, Jeff Kramer, and Jeff Magee. Incremental elaboration of scenario-based specifications and behavior models using implied scenarios. *ACM Transactions on Software Engineering and Methodology*, 13(1):37–85, January 2004. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Vouillon:2013:SCC

[VD13] Jérôme Vouillon and Roberto Di Cosmo. On software component co-installability. *ACM Transactions on Software Engineering and Methodology*, 22(4):34:1–34:??, October 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

vandenBrand:1996:GFC

[vdBV96] Mark van den Brand and Eelco Visser. Generation of formatters for context-free languages. *ACM Transactions on Software Engineering and Methodology*, 5(1):1–41, January 1996. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1996-5-1/p1-van\_den\_brand/p1-van\_den\_brand.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1996-5-1/p1-van\_den\_brand/`; `http://www.acm.org/pubs/citations/journals/tosem/1996-5-1/p1-van_den_brand/`.

VanDenBrand:2003:TRT

[VKV03] Mark G. J. Van Den Brand, Paul Klint, and Jurgen J. Vinju. Term rewriting with traversal functions. *ACM Transactions on Software Engineering and Methodology*, 12(2):152–190, April 2003. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Venkatasubramanian:2004:FMR

[VTA04] Nalini Venkatasubramanian, Carolyn Talcott, and Gul A. Agha. A formal model for reasoning about adaptive QoS-enabled middleware. *ACM Transactions on Software Engineering and Methodology*, 13 (1):86–147, January 2004. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Wallach:2000:SSM

[WAF00] Dan S. Wallach, Andrew W. Appel, and Edward W. Felten. SAFKASI: a security mechanism for language-based systems. *ACM Transactions on Software Engineering and Methodology*, 9(4):341–378, October 2000. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/2000-9-4/p341-wallach/p341-wallach.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/2000-9-4/p341-wallach/`.

Walkinshaw:2013:ACS

[WB13] Neil Walkinshaw and Kirill Bogdanov. Automated comparison of state-based software models in terms of their language and structure. *ACM Transactions on Software Engineering and Methodology*, 22(2):13:1–13:??, March 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Weyuker:1996:UFC

[Wey96] Elaine J. Weyuker. Using failure cost information for testing and reliability assessment. *ACM Transactions on Software Engineering and Methodology*, 5(2):87–98, April 1996. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1996-5-2/p87-weyuker/p87-weyuker.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1996-5-2/p87-weyuker/`.

Wursch:2013:EQF

[WGG13] Michael Würsch, Emanuel Giger, and Harald C. Gall. Evaluating a query framework for software evolution data. *ACM Transactions on Software Engineering and Methodology*, 22(4): 38:1–38:??, October 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Wassermann:2007:SCD

[WGSD07] Gary Wassermann, Carl Gould, Zhendong Su, and Premkumar Devanbu. Static checking of dynamically generated queries in database applications. *ACM Transactions on Software Engineering and Methodology*, 16 (4):14:1–14:??, September 2007. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Whittle:2010:SHS

[WJ10] Jon Whittle and Praveen K. Jayaraman. Synthesizing hierarchical state machines from expressive scenario descriptions. *ACM Transactions on Software Engineering and Methodology*, 19(3):8:1–8:??, January 2010. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Wang:1993:DRT

[WME93] Farn Wang, Aloysius K. Mok, and E. Allen Emerson. Distributed real-time system specification and verification in APTL. *ACM Transactions on Software Engineering and Methodology*, 2(4):346–378, October 1993. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1993-2-4/p346-wang/p346-wang.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1993-2-4/p346-wang/`.

Whigham:2015:BMS

[WOM15] Peter A. Whigham, Caitlin A. Owen, and Stephen G. Macdonell. A baseline model for software effort estimation. *ACM Transactions on Software Engineering and Methodology*, 24 (3):20:1–20:??, May 2015. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Whittaker:1993:MAS

[WP93] James A. Whittaker and J. H. Poore. Markov analysis of software specifications. *ACM Transactions on Software Engineering and Methodology*, 2(1):93–106, January 1993. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1993-2-1/p93-whittaker/p93-whittaker.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1993-2-1/p93-whittaker/`.

Xu:2010:PCC

[XCCY10] Chang Xu, S. C. Cheung, W. K. Chan, and Chunyang Ye. Partial constraint checking for context consistency in pervasive computing. *ACM Transactions on Software Engineering and Methodology*, 19(3):9:1–9:??, January 2010. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Xie:2013:TAR

[XCKX13] Xiaoyuan Xie, Tsong Yueh Chen, Fei-Ching Kuo, and Baowen Xu. A theoretical analysis of the risk evaluation formulas for spectrum-based fault localization. *ACM Transactions on Software Engineering and Methodology*, 22(4):31:1–31:??, October 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Xie:2007:DCA

[XM07] Qing Xie and Atif M. Memon. Designing and comparing automated test oracles for GUI-based software applications. *ACM Transactions on Software Engineering and Methodology*, 16(1):4:1–4:??, February 2007. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Xie:2008:UPS

[XM08] Qing Xie and Atif M. Memon. Using a pilot study to derive a GUI model for automated testing. *ACM Transactions on Software Engineering and Methodology*, 18(2):7:1–7:??, November 2008. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Xu:2014:SRB

[XMA+14] Guoqing Xu, Nick Mitchell, Matthew Arnold, Atanas Rountev, Edith Schonberg, and Gary Sevitsky. Scalable runtime bloat detection using abstract dynamic slicing. *ACM Transactions on Software Engineering and Methodology*, 23(3):23:1–23:??, May 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Xu:2013:PML

[XR13] Guoqing Xu and Atanas Rountev. Precise memory leak detection for Java software using container profiling. *ACM Transactions on Software Engineering and Methodology*, 22 (3):17:1–17:??, July 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Yue:2013:FTU

[YBL13] Tao Yue, Lionel C. Briand, and Yvan Labiche. Facilitating the transition from use case models to analysis models: Approach and experiments. *ACM Transactions on Software Engineering and Methodology*, 22(1):5:1–5:??, February 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Yue:2015:AAF

[YBL15] Tao Yue, Lionel C. Briand, and Yvan Labiche. aToucan: an automated framework to derive UML analysis models from use case models. *ACM Transactions on Software Engineering and Methodology*, 24(3):13:1–13:??, May 2015. CODEN ATSMER.

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

Yoo:2013:FLP

[YHC13] Shin Yoo, Mark Harman, and David Clark. Fault localization prioritization: Comparing information-theoretic and coverage-based approaches. *ACM Transactions on Software Engineering and Methodology*, 22(3):19:1–19:??, July 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Yang:1992:PIA

[YHR92] Wuu Yang, Susan Horwitz, and Thomas Reps. A program integration algorithm that accommodates semantics-preserving transformations. *ACM Transactions on Software Engineering and Methodology*, 1(3):310–354, July 1992. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1992-1-3/p310-yang/p310-yang.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1992-1-3/p310-yang/`.

Yang:2014:DIS

[YPRK14] Guowei Yang, Suzette Person, Neha Rungta, and Sarfraz Khurshid. Directed incremental symbolic execution. *ACM Transactions on Software Engineering and Methodology*, 24(1):3:1–3:??, September 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Yi:2015:SCC

[YQTR15] Jooyong Yi, Dawei Qi, Shin Hwei Tan, and Abhik Roychoudhury. Software change contracts. *ACM Transactions on Software Engineering and Methodology*, 24(3):18:1–18:??, May 2015. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Young:1995:CAT

[YTL+95] Michal Young, Richard N. Taylor, David L. Levine, Kari A. Nies, and Debra Brodbeck. A concurrency analysis tool suite for Ada programs: rationale, design, and preliminary experience. *ACM Transactions on Software Engineering and Methodology*, 4(1):65–106, January 1995. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1995-4-1/p65-young/p65-young.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1995-4-1/p65-young/`.

Yang:2016:HPP

[YWC16] Chunbai Yang, Shangru Wu, and W. K. Chan. Hierarchical program paths. *ACM Transactions on Software Engineering and Methodology*, 25(3):27:1–27:??, August 2016. CODEN ATSMER. ISSN 1049-

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

Zave:2004:ATT

[Zav04] Pamela Zave. Address translation in telecommunication features. *ACM Transactions on Software Engineering and Methodology*, 13(1):1–36, January 2004. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Zeil:1992:DLE

[ZAW92] Steven J. Zeil, Faten H. Afifi, and Lee J. White. Detection of linear errors via domain testing. *ACM Transactions on Software Engineering and Methodology*, 1(4):422–451, October 1992. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1992-1-4/p422-zeil/p422-zeil.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1992-1-4/p422-zeil/`.

Zhu:2013:ADP

[ZB13] Hong Zhu and Ian Bayley. An algebra of design patterns. *ACM Transactions on Software Engineering and Methodology*, 22 (3):23:1–23:??, July 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Zhang:2014:ATV

[ZE14] Pingyu Zhang and Sebastian Elbaum. Amplifying tests to validate exception handling code: an extended study in the mobile application domain. *ACM Transactions on Software Engineering and Methodology*, 23(4): 32:1–32:??, August 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Zave:1993:CC

[ZJ93] Pamela Zave and Michael Jackson. Conjunction as composition. *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/`.

Zave:1997:FDC

[ZJ97] Pamela Zave and Michael Jackson. Four dark corners of requirements engineering. *ACM Transactions on Software Engineering and Methodology*, 6(1):1–30, January 1997. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1997-6-1/p1-zave/p1-zave.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1997-6-1/p1-zave/`.

Zambonelli:2003:DMS

[ZJW03] Franco Zambonelli, Nicholas R. Jennings, and Michael Wooldridge. Developing multiagent systems: The Gaia methodology. *ACM Transactions on Software Engineering and Methodology*, 12 (3):317–370, July 2003. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Zheng:2013:PRP

[ZL13] Zibin Zheng and Michael R. Lyu. Personalized reliability prediction of Web services. *ACM Transactions on Software Engineering and Methodology*, 22(2): 12:1–12:??, March 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Zhou:2016:IRO

[ZMM+16] Minghui Zhou, Audris Mockus, Xiujuan Ma, Lu Zhang, and Hong Mei. Inflow and retention in OSS communities with commercial involvement: a case study of three hybrid projects. *ACM Transactions on Software Engineering and Methodology*, 25(2):13:1–13:??, May 2016. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Zeller:1997:UVT

[ZS97] Andreas Zeller and Gregor Snelting. Unified versioning through feature logic. *ACM Transactions on Software Engineering and Methodology*, 6 (4):398–441, October 1997. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1997-6-4/p398-zeller/p398-zeller.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1997-6-4/p398-zeller/`.

Zhang:2013:CDC

[ZSL+13] Wei Zhang, Chong Sun, Junghee Lim, Shan Lu, and Thomas Reps. ConMem: Detecting crash-triggering concurrency bugs through an effect-oriented approach. *ACM Transactions on Software Engineering and Methodology*, 22(2):10:1–10:??, March 2013. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Zaremski:1995:SMT

[ZW95] Amy Moormann Zaremski and Jeannette M. Wing. Signature matching: a tool for using software libraries. *ACM Transactions on Software Engineering and Methodology*, 4(2):146–170, April 1995. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1995-4-2/p146-zaremski/p146-zaremski.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1995-4-2/p146-zaremski/`.

Zaremski:1997:SMS

[ZW97] Amy Moormann Zaremski and

Jeannette M. Wing. Specification matching of software components. *ACM Transactions on Software Engineering and Methodology*, 6(4):333–369, October 1997. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic). URL `http://www.acm.org/pubs/articles/journals/tosem/1997-6-4/p333-zaremski/p333-zaremski.pdf`; `http://www.acm.org/pubs/citations/journals/tosem/1997-6-4/p333-zaremski/`.

Zhou:2014:DSP

[ZXLC14] Yuming Zhou, Baowen Xu, Hareton Leung, and Lin Chen. An in-depth study of the potentially confounding effect of class size in fault prediction. *ACM Transactions on Software Engineering and Methodology*, 23 (1):10:1–10:??, February 2014. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).

Zhao:2006:STS

[ZZL+06] Wei Zhao, Lu Zhang, Yin Liu, Jiasu Sun, and Fuqing Yang. SNIAFL: Towards a static noninteractive approach to feature location. *ACM Transactions on Software Engineering and Methodology*, 15(2):195–226, April 2006. CODEN ATSMER. ISSN 1049-331X (print), 1557-7392 (electronic).