

A Complete Bibliography of Publications in *IEEE Transactions on Software Engineering* (2010–2019)

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org, beebe@computer.org (Internet)
WWW URL: <http://www.math.utah.edu/~beebe/>

23 April 2020
Version 1.16

Title word cross-reference

`#ifdef` [MRG⁺18].

π [PMR11]. *T* [HPP⁺14].

-Calculus [PMR11]. **-Wise** [HPP⁺14].

1-out-of-2 [LP13a, LP13b].

Ability [RDT⁺10]. **Abstract** [GHL⁺13].

Abstracting [MSSF13]. **Abstractions**

[dCBGU12]. **Accelerating** [UR18].

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[MHS⁺13]. **Accepting** [WSC⁺15]. **Access**

[Ano12o, BBH17, CSJ⁺16, MMPT19,

TNTN12]. **Accessibility** [STST12].

Accuracy [AGA13, LRCL14, PLN10].

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[KMK⁺13, KMD15]. **Activities**

[LL14, MBM⁺17]. **Activity** [SMWO11].

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[dSMST17, YXS⁺19]. **Advanced** [GW19].

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Ano11i, Ano11q, Ano11r, Ano11-32, Ano12o,

Ano12v, Ano12w, Ano12x, Ano12-32].

Affordances [MOd19]. **against**

[HPSW16, NR19]. **Agent**

[MLS⁺14, PZTM13]. **Aggregate** [ZHMZ17].

aggregation [DJ11]. **Agile** [HA16, HNM13]. **Agreements** [SRE10]. **AIG** [NZ16]. **Aircraft** [MLS⁺14]. **Alerts** [Ano11z]. **Algebra** [MPS12, OF13, TDGH12, TGH12]. **Algorithm** [Gar10, LMW⁺17, MSY14, MA13, WZ11, XJRL12]. **Algorithm-Based** [Gar10]. **Algorithmic** [WDS10]. **Algorithms** [AML11, BDR⁺20, BBA⁺15, BBL10, HT16, POPD15, SFH⁺17]. **Aligning** [AGL⁺15]. **Alleviate** [BKP⁺18, LKTC14]. **Allocation** [EB10, PRT10]. **Alloy** [OF13]. **Ambient** [CD12]. **Ambiguity** [PLM15]. **Amir** [Nus10e]. **Amorphous** [ACH⁺13]. **Analogy** [KMBK12]. **Analogy-Based** [KMBK12]. **Analyses** [LGN12]. **Analysis** [AB12, Arc12, BSGM15, BTS17, BDP16, BKML14, BDM18, BP16a, BWRR17, BBL10, BMB⁺15, CCP13, CGdL17, DFG16, DLR13, FTG16, GFM⁺15, GAB⁺10, GRH13, HCHM⁺13, HMC19, HBC13, HYH⁺17, HJ14, HTG19b, IRBW16, JGP13, JH11, LMST10, LS13, LHWZ17, LLC⁺16, MTHG15, MMPT19, MPP11, MSJ⁺17, MWMK19, MSY14, MBEN15, NRDB17, OLJM16, OT12, PG13, RM13, SBGM17, SDMW14, SBL12, SSP18, SJMH⁺19, SYX14, TLLV20, TSBB20, TGH12, UR18, WZX⁺13, XCZ⁺19, dIVBWM16]. **Analyzing** [AEP⁺14, BKML14, BTEGF12, CXK⁺19, DLvL14, NWCS20]. **Android** [BKML14, BSGM15, BYW⁺18, BCBR18, BLVBC⁺15, LRCL14, OLJM16, SBGM17, WLX⁺16, YLQ⁺18]. **Annotated** [DPS12]. **Annual** [Ano11a, Ano12a, Ano13a]. **Anomaly** [BBH17]. **ANSI** [CFMS12]. **ANSI-C** [CFMS12]. **Ant** [CZ13]. **Antipatterns** [PMG19]. **API** [ANN⁺19, BLVBC⁺15, MR13, RBK⁺13, ZNKZ18, ZM19]. **API-Misuse** [ANN⁺19]. **APIs** [SPTRC18]. **App** [BSGM15, LBK⁺15, MSJ⁺17]. **Application** [ABHPW10, BPH10, BBH17, CCS⁺13, JJW⁺15, LZ12, MN17, OLJM16, RDT⁺10, RLMM15]. **Application-Aware** [LZ12]. **Application-Level** [MN17]. **Applications** [AKD⁺10, ADTP12, BYW⁺18, BCE⁺14, CMCS12, CBCB12, CSJ⁺16, CD12, DS11, JPAB19, KT10, LZX10, LXCL14, LMW⁺17, MSCC13, MGP⁺12, MC10, MvDR12, MM13, MMP15, MGB12, PCPS15, PHLW18, RRL⁺13, SER⁺10, SRZ15, TSBB20, YWHH19, vH19, NB13]. **Applying** [HA16, Lat14]. **Approach** [AGR19, BKP⁺18, BRLM11, CRV13, CSF⁺16, CCP13, DLGRCBC15, EKAYW16, FAHCC14, HC18, JGP13, KKS⁺14, LH14, LH12, MPS17, MHZ⁺12, MSK⁺18, MBP⁺17, NBKC15, OY16, PSA13, PRT10, STST12, STM13, TSBB20, VBP12, WSC⁺15, YDCP14, ZKZ10, dCMS⁺17]. **Approaches** [HKB17, HTG18, KKMY10, MJC17, RBH18, HTG19a]. **Appropriating** [DSB14]. **Approximate** [BPHB19, KRG⁺13]. **Approximation** [Cai18, TFB14]. **Apps** [BCBR18, BLVBC⁺15, MSK⁺18, MBCC⁺20, SBR⁺19, WLX⁺16, YLQ⁺18]. **Appstore** [LLL⁺18]. **Appstore-Service** [LLL⁺18]. **Architectural** [KGM⁺16, KKMY10, LM11, MMPT10, MLM⁺13, MCH16]. **Architecture** [ABG⁺13, BKBR12, CXK⁺19, DLGRCBC15, LCG⁺18, MMR12, PRT10, SCF⁺12, XXCL19]. **Architecture-Based** [BKBR12, PRT10]. **Architectures** [BGM11, BMB⁺15]. **Archival** [Nus11b]. **ARENA** [MBP⁺17]. **Arguments** [PG13]. **Arising** [SRvdH12]. **Array** [MYK19]. **Arrays** [DXCW17]. **Art** [KZDB18]. **ASCENT** [WDS10]. **Aspect** [BH10, KGRX12, MGB12]. **Aspect-Oriented** [BH10, KGRX12, MGB12]. **Aspectizing** [TNTN12]. **Aspects** [BCB⁺17, EALK⁺15, LH14]. **Assembly** [CGMM16]. **Assertion** [Cha10]. **Assess** [CPR16]. **Assessing** [AGI⁺13, LB10, MHS⁺13, MBLD11, TMK15]. **Assessment** [HC18, LYC14, SBGM17, ZXC16]. **Assessor** [LP13a]. **Assets** [ACDO12]. **Assignment**

[BBL10, LLC⁺16]. **associate** [Nus13b]. **Associations** [FRGCH20]. **Assumptions** [KMBK12, LAL⁺14]. **Assurance** [CWG⁺18, Li12, KSA⁺13]. **Asymmetric** [NR19]. **Asymptotic** [LYC14, SFCR16]. **Asynchronous** [LW13]. **Atomic** [WGC⁺16]. **Atomicity** [LPZ12, SHCX16]. **Atomcity-Violation** [LPZ12]. **Attack** [ANC⁺10, MW11]. **Attribute** [HYJY14]. **Attributes** [AA18]. **Auction** [HYJY14]. **Augmentation** [YHW20]. **Augmented** [SL12]. **Author** [SHB18]. **Authoring** [BXXL19]. **authors** [Ano10v, Ano10-27, Ano10y, Ano10z, Ano10x, Ano10w, Ano11-27, Ano11-31, Ano11-30, Ano11-29, Ano11-28, Ano12-31]. **Autofolding** [FCR⁺17]. **Automata** [BKKL10, PBU16, RNP13, VDC17, WSW⁺15, WSWQ17]. **Automated** [AKL13, ASBZ15, ASBZ17, BTS17, BDR⁺20, BI15, BP16a, BWB12, CBD⁺17, GSWH15a, GRH17, HWM18, LHS⁺15, LRCL14, LXCL14, LWY⁺19, MBP⁺17, NRDB17, PZTM13, PKT18, PFN⁺14, POM13, PC10, RBH18, RBK⁺13, SER⁺10, SGM13, TMHM19, XLD⁺17, dCBGU12]. **Automatic** [CLP17, CK15, GMM19, JPAB19, KS12, LNFW12, LLNL16, MM16, MWMK19, MvDR12, PLM15, PBM⁺19, RMM14, VBP12, WYZ⁺18, XCZ⁺19, XMD⁺17, KDO14]. **Automatically** [DKM⁺12, DLWF19, Egy11, dSMST17, ZKB16]. **Automating** [GITT17, YXS⁺19]. **Autonomic** [BRDG16, KGDS13]. **Autonomous** [CDGC12]. **AutoSense** [NRDB17]. **available** [Ano11q, Ano11r]. **Average** [KRX11]. **Aware** [BG18, CGMM16, HYJY14, HBS⁺17, Kim14, KT10, LZ12, MC10, MSK⁺18, PZF⁺19, SER⁺10, SYB18, SMJ19, TdIRSCB16, WLX⁺16, YZL⁺15, Yil13]. **Awareness** [dSR11]. **Away** [TPB⁺17].

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[Ano10c, Ano10f, Ano10d, Ano10h, Ano10g, Ano10e, Ano11h, Ano11e, Ano11d, Ano11c, Ano11g, Ano11f, Ano12e, Ano12g, Ano12f, Ano12c, Ano12d, Ano12h, Ano12m, Ano11s, Ano12q, Ano12r, Ano12p, Ano12-31]. **Backbone** [XJRL12]. **Backbone-Based** [XJRL12]. **Background** [PWGS19]. **Bad** [FRA⁺19, LMSN12, TPB⁺17]. **Bailout** [BBD17]. **Balancing** [PMGZ13]. **Based** [ABHPW10, AHG13, AM13, AGR19, BSM17, BB15, BJGB10, BKP⁺18, BDM18, BCD⁺18, BBL⁺11, BPR19, BKBR12, BMB⁺15, BRLM11, CGK⁺11, CBCB12, CAC⁺17, CZ13, CK15, CB17, CNKM19, CCP13, CFMS12, DLvL14, DNT14, DSP11, DLGRCBC15, EEM13, FPTO11, FFM⁺10, GRPF13, Gar10, GRH17, HM10a, HM10b, HHY⁺14, HYJY14, HZZ⁺17, HBS⁺17, JGP13, JWDX17, KKS⁺14, KMBK12, KMD15, LMST10, LW13, Li12, LLHF17, LO17, LL14, LP13a, LP13b, LCNM12, LGS13, LLNL16, LMW⁺17, MJC17, MHL⁺12, MC10, MBK⁺13, MvDR12, MM13, MSY14, MB14, MBCC⁺20, MBLD11, PZTM13, PRT10, PG13, RRS19, RCKH16, RRL⁺13, SWAK13, SSP18, SCP14, SZ10, SCF19, TZL⁺15, WWY⁺17, WHY18, WMW11, XJRL12, YZL⁺15, YM10, NB13]. **Baseline** [CNKM19, KM19]. **Batched** [JMC13]. **Bayesian** [DVB13, KKMY10, MB14, WWY⁺17]. **Be** [HZZ⁺16, Nus10c]. **Behavior** [BGP⁺19, DCS⁺18, KKR10, LBK⁺15, LYC14, MNBB19, YLQ⁺18, ZKZ10, ZM15]. **Behavioral** [IRBW16, SGM13, WMW11]. **Behaviors** [GRH17]. **Behaviour** [CMM⁺19]. **Beliefs** [BGP⁺19]. **Bellwethers** [KM19]. **Benchmark** [HTG18, HTG19a, LBFW17, YBL16]. **Benchmarks** [CKKR12, LHS⁺15]. **Benefits** [KZN14, VAJ16, WNM12]. **Best** [RZ10]. **Better** [HLP10]. **Between** [DLWF19, PPZ⁺18, BVD15, CSF⁺16, COLY15, FRGCH20, GS12]. **Bias**

[SBH14, SHB18, TMHM16]. **Biases** [JG12]. **Bidirectional** [BDP16]. **Binary** [HYH⁺17, LMW⁺17, QSM16, XXCL19]. **Birthmarking** [TLZ⁺18]. **Birthmarks** [TZL⁺15]. **Bisimulation** [BSM17]. **Bitstate** [IJK13]. **Black** [SM16]. **Black-Box** [SM16]. **Blind** [ARM18]. **BLISS** [RGA⁺15]. **Boolean** [YT18]. **Both** [JWDX17]. **Bound** [CGC19]. **Bounded** [CFMS12, GRPF13, RGA⁺15]. **Bounds** [GRPF13, LP13a, SFCR16]. **Box** [SM16]. **BPEL** [BG11]. **Branch** [BDP16]. **Breakdowns** [CH13]. **Breaking** [GRPF13]. **Bristlecone** [DS11]. **Bug** [DPD⁺18, HOLL19, KTKZ13, MHZBN15, PZF⁺19, PTYN19, RMM14, SWAK13, TNBH13, XLD⁺17, YBL16, ZPB⁺10, dCMS⁺17]. **Bug-Introducing** [dCMS⁺17]. **Bugs** [AKD⁺10, BLZ⁺19, BLZ⁺20, CMM⁺11, GW19, HMMB18, LPZ12, NWCSS20, OBPM17, WWY⁺18, XMD⁺17, ZWL⁺16]. **Build** [KSD11]. **Building** [HZZ⁺17]. **BURN** [CKKR12]. **Burstiness** [CKKR12, CMCS12]. **Bursting** [KGDS13]. **Bursts** [KRX11]. **Business** [GBvBD⁺18, HJ14, MPO⁺19]. **Bypassing** [HPP⁺14].

C [CFMS12, DCMS14, LHS⁺15]. **C-O** [DCMS14]. **CACheck** [DXCW17]. **Caching** [MN17]. **Calculus** [PMR11]. **Callback** [WLX⁺16]. **Callback-Aware** [WLX⁺16]. **Calling** [SZWZ12]. **Callstack** [HLP10]. **Callstack-Sensitive** [HLP10]. **Candidate** [BCD⁺18]. **Candidate-Based** [BCD⁺18]. **Capabilities** [LED13, SWEK15]. **Capability** [CDT⁺18, COLY15]. **Capsule** [MM13]. **Capsule-Based** [MM13]. **Case** [ABHPW10, AA11, ACCA15, BSH⁺18, BWRR17, CWW⁺14, DMTR10, ET16, FCC13, GSWH15b, HZZ⁺16, KGM⁺16, KKK11, LMZP19, MK18, MFL⁺16, MBK⁺13, MLS⁺14, MAT12, OF13, POPD15, PKT18, PBS⁺18, SM16, Thi15, Yil13, YT18, dBFP⁺13, CPTT12]. **Case-Aware** [Yil13]. **Case-Based** [MBK⁺13]. **Cases** [AM13, CWG⁺18, DKM⁺12, MIA⁺16, MHZ⁺12, YM10]. **categorieS** [CPTT12]. **Cause** [RE13]. **Causes** [OBPM17]. **Causing** [NNL⁺20]. **CCBot** [CLP17]. **CEGAR** [TDD14]. **Cell** [DXCW17, YT18]. **Centered** [DPD⁺18]. **Centric** [KSD⁺13]. **Centroidal** [STM13]. **Chain** [BPR19]. **Chains** [BDR⁺20, BP16b]. **Challenge** [SZF⁺17]. **Challenges** [BKML14, BSH⁺18, KZN14, KZDB18, LBK⁺15, RNP13]. **Change** [BLVBC⁺15, BWRR17, SWAK13, YXS⁺19, diVBWM16]. **Change-** [BLVBC⁺15]. **Change-Based** [SWAK13]. **Change-Level** [YXS⁺19]. **Changes** [DR14, KNGW13, MK18, SRvdH12, dCMS⁺17]. **Channel** [LR12, LP13b]. **Channels** [SZF⁺17]. **Characterization** [JJW⁺15]. **Checkers** [BSM17, KKK11]. **Checking** [AL10, AKRU13, ASBZ15, AKD⁺10, BYW⁺18, CSF⁺16, CCS⁺13, CFMS12, DPS12, GFM⁺15, GBvBD⁺18, IJK13, LW13, LAH⁺14, LCL⁺13, MDB13, NZ16, PHV16, SFCR16, TDD14, WSW⁺15, WSWQ17]. **Checks** [BKML14]. **Chief** [Kra10, Med18]. **CHiP** [MYK19]. **choicE** [CPTT12]. **choiceS** [CPTT12]. **Choosing** [PBS⁺18]. **Chord** [Zav17]. **Churn** [SMWO11]. **Cina** [XXC⁺15]. **Claims** [BBL⁺11]. **Clarifications** [LBFW17]. **Class** [AI 11, BKP⁺18, BBL10, CSF⁺16, CT13, CGC19, JMC13, JWDX17, POM13, SPG10, ZNKZ18]. **Class-Imbalance** [JWDX17]. **Class-Level** [CT13]. **Class-names** [ZNKZ18]. **Classes** [FRGCH20, RLR14]. **Classification** [CSVC11, FDMM18, MJC17, PBM⁺19]. **Classifier** [TNBH13]. **Classifiers** [DVB13]. **Client** [MSCC13, OBPM17]. **Client-Side** [MSCC13, OBPM17]. **Clocks** [RNP13, WWY⁺18]. **Clockwork** [Hat14]. **Clone** [NNP⁺12]. **Clones** [TMK15].

Clonesat [WDZ⁺14]. **Cloud** [CB17, KGDS13, NB13]. **Cloud-Based** [CB17]. **Clustered** [HOLL19]. **Clustering** [ASBZ17, BWB12, MA13, PHY11, WYZ⁺18]. **Co** [HKB17]. **Co-Evolution** [HKB17]. **Cochange** [GS12]. **Code** [AA18, ANVZ14, BCB⁺17, BW10, CCK14, DDO11, EKAYW16, FRGCH20, FCR⁺17, KKS⁺14, KNGW13, Kim14, LW12, LLNL16, LMW⁺17, LCG⁺18, MSCC13, MSS19, MM16, MGP⁺12, MCH16, MGD10, PBP⁺15, PHLW18, QSM16, RLMM15, SPG15, SRvdH12, SMWO11, SWAK13, SYA⁺13, TPB⁺17, UR18, WDZ⁺14, WNM12, XXCL19, ZKB16, ZNKZ18]. **Code-Smells** [KKS⁺14]. **Cognitive** [SL12]. **Cohesion** [Al 11, YZL⁺15]. **Collaboration** [BHEN13]. **Collaborative** [FDMM18, LF12, TS12]. **Colony** [CZ13]. **Combinatorial** [TNBH13]. **Combinatorial** [HYJY14, HPP⁺14, PCHY15, WNP⁺20, Yil13, YDCP14]. **Combined** [DNT14]. **Combining** [MSS19, MBLD11, TZM⁺17]. **Coming** [Ano12n, Ano12x]. **Command** [HA16]. **Comments** [BP16b, Her17, SSSM13, SHB18, TMHM16]. **Commonality** [FAHCC14]. **Communicating** [BKKL10, TS12]. **Communication** [SZF⁺17]. **Community** [DBF⁺16, DR16, ZM15]. **Companies** [GPU⁺16, SGR⁺12]. **Company** [PMGZ13]. **Comparative** [DVMB12, HTG18, HTG19a, KKK11, MOTJ14]. **Comparing** [BWB12, MBLD11, WNM12]. **Comparison** [ARM18, BJGB10, BBA⁺15, FPTO11, KRG⁺13, LMW⁺17, PPZ⁺18, Pre11, SBGM17, TMHM17, WNP⁺20, Her17]. **Comparisons** [MA13]. **Competition** [SCF19]. **Competition-Based** [SCF19]. **Compiler** [Cha10, KPJ⁺18]. **Complete** [GBvBD⁺18, Hie15]. **Completeness** [RM17]. **Complex** [GRH13, RO13]. **Complexity** [LED13, RKH12, RLR14, SMWO11]. **Component** [BI15, BKBR12, BMB⁺15, CSVC11, CGdL14, DFG16, KS12, Li12, PMM18, PBS⁺18, RRL⁺13, TLB14]. **Component-Based** [BMB⁺15, Li12, RRL⁺13]. **Components** [BGMM17, DBM19, LH12, SWHJ14]. **Composability** [ZB15]. **Composite** [MRD12, OLJM16]. **Composition** [AKL13]. **Compositional** [BSGM15, CPV13, LAL⁺14, XLP⁺16]. **Comprehensible** [DVB13]. **Comprehension** [AGI⁺13, ARM18, BP16b, CZvD11, RDT⁺10, SPA⁺17, XBL⁺18]. **Comprehensive** [STST12, SGS19]. **Compromising** [NR19]. **Computational** [PCPS15]. **Computer** [AHG13, Ano10b, Ano10o, Ano11q, Ano11r, Ano12m, Ano12n]. **Computer-Based** [AHG13]. **Computing** [CBCB12, PWSG19]. **Concerns** [TS12, ZJ12]. **Concurrency** [WWY⁺18, YWHH19, ZWL⁺16]. **Concurrent** [ABL14, BMP18, PHV16, SBL12, YHW20, ZCW15]. **Conditional** [XMD⁺17]. **Conducted** [LLLW15]. **Conference** [AI12, MS10]. **Confidence** [KKRD12]. **Configurable** [MYK19, TLLV20]. **Configuration** [CDGC12, LKB18, NBKC15, TNBH13, XZH⁺15]. **Configurations** [HPP⁺14, SPF14]. **Conflicts** [BHEN13, SRvdH12]. **Conformance** [ASBZ15, GBvBD⁺18, MDB13]. **Congruence** [KSD11]. **Connecting** [DBF⁺16]. **ConPredictor** [YWHH19]. **conquer** [CPTT12]. **Consequences** [OBPM17]. **Conservation** [Hat14]. **Conservative** [BBL⁺11, LP13a, LP13b]. **Considering** [IRBW16]. **Consistency** [BGMM17, CSF⁺16, CYH⁺11, MS18, WDZ⁺14, WMW11]. **Consistency-Maintenance** [WDZ⁺14]. **Consistent** [KDO14]. **Constant** [OLJM16, WZX⁺13]. **Constrained** [MAT12]. **Constraint** [TSBB20].

Constraints [AIAB13, CL16, DMTR10, LWY⁺19, NBKC15]. **Construction** [BSD14, LBFW17]. **Constructor** [MYK19]. **Contemporary** [BCB⁺17]. **content** [KMK⁺13]. **Contents** [Ano12-27, Ano12-30, Ano12-29, Ano12z, Ano12-28, Ano12y]. **ConTesa** [YHW20]. **Context** [BWRR17, KT10, MM16, SER⁺10, SZWZ12, XXC⁺15, YCM11]. **Context-Aware** [KT10, SER⁺10]. **Contexts** [KPJ⁺16]. **Continuous** [ABM19, MBEN15]. **Contract** [CLP17, dCBGU12]. **Contracts** [ABL14, PFN⁺14]. **Control** [BRDG16, CBD⁺17, MMPT19, SBWM18, TNTN12]. **Control-Theoretical** [SBWM18]. **Controllable** [Hie15]. **Controlled** [ADJ16, CZvD11, DMTR10, JG11, PR11]. **Conversion** [EKAYW16]. **Cooperative** [KKS⁺14]. **Coordination** [BSH⁺18, BVD15, CH13, KSD11, LED13]. **Coping** [ZB12b]. **Copy** [WDZ⁺14]. **Copy-and-Paste** [WDZ⁺14]. **Correct** [CD12, Zav17]. **Correction** [HTG19a]. **Corrections** [BLZ⁺20]. **Correctness** [RHB⁺12]. **Cost** [HHY⁺14, MSS19, MS18, MA13, MHS⁺13, WHYY18]. **Cost-Effective** [HHY⁺14, WHYY18]. **Costs** [DLWF19]. **COTS** [PBS⁺18]. **Counterexamples** [AL10]. **Counting** [FAHCC14]. **Country** [LBK⁺15]. **Coupling** [PR11]. **cover** [Ano10c, Ano10f, Ano10d, Ano10h, Ano10g, Ano10e, Ano10k, Ano10m, Ano10i, Ano10l, Ano10n, Ano10j, Ano10q, Ano10r, Ano10t, Ano10p, Ano10s, Ano10u, Ano11h, Ano11e, Ano11d, Ano11c, Ano11g, Ano11f, Ano11n, Ano11m, Ano11k, Ano11p, Ano11o, Ano11l, Ano11s, Ano11v, Ano11y, Ano11x, Ano11u, Ano11w, Ano11t, Ano12e, Ano12g, Ano12f, Ano12c, Ano12d, Ano12h, Ano12k, Ano12l, Ano12q, Ano12r, Ano12p, Ano12m, Ano12u, Ano12s, Ano12t, Ano12-27, Ano12-30, Ano12-29, Ano12z, Ano12-28, Ano12y, Ano12-31]. **Cover2** [Ano12i]. **Cover3** [Ano12j]. **Coverage** [Arc12, BPR19, GSWH15b, IJK13, MSS19, SPG15, SPF14, TdlRSCB16]. **Coverage-Aware** [TdlRSCB16]. **Coverage-Based** [BPR19]. **Coverage-Directed** [GSWH15b]. **Covering** [MYK19, YT18]. **COVERT** [BSGM15]. **Crash** [CK15]. **Crashes** [KWK⁺11]. **Creating** [MOd19]. **Criteria** [CT13, SBM13]. **Criterion** [SYB18]. **Critical** [BH13, BWRR17, CKMR13, DLvL14, MG20]. **Criticality** [BBD17, WHYY18]. **Criticality-Based** [WHYY18]. **Critiquing** [AHG13]. **Cross** [EKAYW16, HTG18, HTG19a, HTG19b, JWDX17, PMGZ13, XLP⁺16, XXCL19]. **Cross-Architecture** [XXCL19]. **Cross-Company** [PMGZ13]. **Cross-OS** [XXCL19]. **Cross-Platform** [EKAYW16]. **Cross-Project** [HTG18, HTG19a, JWDX17, XLP⁺16]. **Crosschecking** [CCK14]. **Crosscutting** [ZJ12]. **Crossover** [VAJ16]. **Crowd** [SBR⁺19]. **Crowdsourcing** [SCF19]. **CS** [SMG11]. **CS/SE** [SMG11]. **CSDP** [Ano10o, Ano11j, Ano11i]. **Culture** [ABM19, SZF⁺17]. **Customer** [KRX11, SCF19]. **Customized** [CKKR12]. **Customizing** [SWEK15]. **Cyber** [BDM18, FRA⁺19]. **Cyber-Physical** [BDM18, FRA⁺19]. **Cycle** [CRV11]. **Cycles** [WSC⁺15]. **Data** [AIAB13, BHKZ13, BCE⁺14, CSJ⁺16, CCK14, DVMB12, GSWH15a, KZDB18, MHL⁺12, MBK⁺13, NRDB17, SCF⁺12, SRS12, SSSM13, SMJ19, TWL13, ZCW15, KMK⁺13]. **Data-Aware** [SMJ19]. **Data-Management** [BCE⁺14]. **Data-Parallel** [CCK14]. **Database** [BBH17, MWMK19, TdlRSCB16]. **Datasets** [SSSM13]. **Date** [DSB14]. **David** [Nus13d]. **Deadlocks** [CC14, CL16, SBL12]. **Dealing** [CMCS12, VBJM14]. **Debt**

[dSMST17, RK14, RK19, YXS⁺19]. **Debug** [GZS⁺15, LBB⁺13]. **Debugging** [CTZ11, HLP10, KWK⁺11, LLHF17, LL14]. **DEC** [KKRD12]. **Decade** [Nus10b]. **DECAF** [HYH⁺17]. **Decentralized** [CGMM16, NB13]. **Decision** [DLvL14, MOA15, MB14, SDMW14, WGC⁺16]. **Decision-Based** [DLvL14]. **Decision-Making** [MOA15, MB14, SDMW14]. **Decisions** [FRA⁺19, MBK⁺13]. **Declarative** [BBA⁺15]. **Decomposition** [AGR19]. **Decomposition-Based** [AGR19]. **DECOR** [MGDL10]. **Deep** [CDT⁺19]. **Defect** [BKP⁺18, HTG18, HTG19a, HTG19b, JWDX17, LNH⁺16, LJZ⁺19, MK18, MBC⁺13, NFK⁺18, PMGZ13, SSSM13, SBH14, SHB18, SJS⁺11, SGS19, SNAH15, TMHM16, TMHM17, TMHM19, WNM12, XLP⁺16, YWHH19, ZHMZ17, Her17]. **Defect-Proneness** [SJS⁺11, SNAH15]. **Defects** [HKS12, RM17, YGV17, dBFP⁺13]. **Defining** [RT12]. **Delay** [MBEN15]. **Delivery** [CDT⁺18]. **Demand** [KKRD12, LP13b]. **Dense** [HPSW16]. **Dependability** [BBL⁺11, GPK10]. **Dependence** [BPH10, Cai18, WLG⁺17]. **Dependencies** [KL11, LCG⁺18]. **Dependency** [GS12, eZHM13, XCZ⁺19]. **Deployment** [CDGC12, MMR12]. **Derivation** [DLGRCBC15, Kim14]. **Deriving** [BSM17, WZ11]. **Descartes** [HBS⁺17]. **Description** [YLQ⁺18]. **Description-to-Behavior** [YLQ⁺18]. **Design** [ACCA15, CXK⁺19, CMSSS13, DFG16, Egy11, HMC19, JGP13, KRG⁺13, KPJ⁺16, LKR14, MSY14, MGDL10, MHZBN15, NDMX16, PLN10, RE13, SPG10, SZ10, ZB12a, ZB15]. **Designers** [MLPvdH15]. **Designing** [BRDG16, WDS10]. **Designs** [VAJ16]. **DESSERT** [CPTT12]. **Detect** [dSMST17]. **Detecting** [BLZ⁺19, BLZ⁺20, DXCW17, Egy11, KPJ⁺18, MCH16, MGS⁺18, PBP⁺15, SYX14, WSC⁺15, ZWL⁺16]. **Detection** [ABL14, AB12, BH10, BBH17, BHEN13, CC14, JJW⁺15, KDO14, KKS⁺14, KS12, LMSN12, LLNL16, LMW⁺17, MWMK19, MGDL10, PMG19, PCHY15, PLN10, PLM15, SRvdH12, TZM⁺17, TZL⁺15, TLZ⁺18, WLX⁺16, XXC⁺15]. **Detectors** [ANN⁺19]. **Determination** [YXS⁺19]. **Determined** [SFCR16]. **Determining** [RE13]. **Developed** [CSJ⁺16]. **Developer** [BGP⁺19, DSSP17, DCS⁺18, DPD⁺18, Lat14, LNH⁺16, RDT⁺10, SMWO11]. **Developers** [BVD15, MBM⁺17, MHZBN15, SJMH⁺19]. **Developing** [BCE⁺14, BSM11]. **Development** [BSH⁺18, BCB⁺17, BWB12, CBCB12, CEM11, CH13, CDT⁺18, DSB14, EKAYW16, FET⁺17, GPU⁺16, HA16, HNM13, JH11, JG11, JG12, Lat14, LED13, MDB13, MBEN15, NDMX16, PBM⁺19, Pre11, RM13, Ram14, SRvdH12, SCF19, SZF⁺17, TS12, TRD15, WNM12, ZB12b]. **Devices** [BHCC11, LRCL14]. **Diagnose** [SJMH⁺19]. **Diagnosing** [MPP11]. **Diagnosis** [ABL14, BPH10, LXCL14, TZM⁺17]. **Diagram** [KRG⁺13]. **Diagrams** [AGI⁺13, CGC19, DCMS14, KKMY10]. **Differences** [IRBW16, LBK⁺15]. **Different** [PHLW18]. **Differential** [TGH12]. **Digital** [VW12]. **Directed** [AL10, GSWH15b, YHW20]. **Directives** [MRG⁺18]. **Discipline** [MRG⁺18]. **Disclosed** [DBM19]. **Discovering** [BLZ⁺19, BLZ⁺20, LH14, MOd19, SPF14, SZ10]. **Discovery** [ANC⁺10, MN14, ZKZ10, ZSDS13]. **Discriminative** [Al 11]. **Dispersion** [LED13]. **Display** [dSR11]. **Dissatisfaction** [NR19]. **Dissection** [FET⁺17]. **Distinguish** [Ano11j, Ano11i]. **Distributed** [BGMM17, BHKZ13, ByBEM15, Hie12, Hie15, LAH⁺14, MMR12, MS18, Ram14, RNP13, VDC17]. **Distribution** [CMM⁺11]. **Distributions**

[GRH13, KA11]. **Diverse** [LR12, LLL⁺18]. **Diversity** [BKP⁺18, POPD15, SYB18]. **Diversity-Aware** [SYB18]. **Divide** [CPTT12]. **Divide-and-conquer** [CPTT12]. **Do** [LMZP19, NBKC15, ZB12a]. **Documentation** [DR14, KGM⁺16, MR13, MJK⁺18, TRD15]. **Does** [FET⁺17, HKS12, KSD11, LKTC14]. **Domain** [ACDO12, AA11, ADJ16, ABD⁺16, BGRJ16, BSL⁺13, GHL⁺13, HCHM⁺13, MHL⁺12, MFL⁺16, MVDS20, MRD12]. **Domain-Specific** [ACDO12, AA11, BGRJ16, GHL⁺13, MFL⁺16, MVDS20, MRD12]. **Domains** [PW12]. **Double** [ABM19]. **Downstream** [PHLW18]. **Driven** [ABY16, BCE⁺14, BMB⁺15, BSM11, CCG⁺12, CFMS15, FDMM18, FZ12, FET⁺17, Lat14, LH14, MDB13, NM14, RM13, TFB14, WNM12, YDCP14]. **DTMC** [KA11]. **Duplicate** [RBH18]. **during** [SZ10]. **Dynamic** [AKD⁺10, ADTP12, BTS17, BGMM17, CL16, Cai18, CGK⁺11, CWG⁺18, CYH⁺11, GFM⁺15, HSH⁺12, HYH⁺17, HCBB12, KS12, LM11, Li12, LGN12, LLNL16, LMZP19, MPP11, MNBB19, PKT18, RO13, RHB⁺12, SMBY16, SMJ19, TZL⁺15, WWY⁺17]. **Dynamics** [BCB⁺17].

Early [ABD⁺16, BHEN13, KWK⁺11, LH14, PCHY15, SRvdH12]. **Early-Stage** [ABD⁺16]. **EARMO** [MSK⁺18]. **Eclipse** [CMM⁺11, DSB14]. **Edit** [LKKS15]. **Editor** [AI12, Kra10, Med18]. **Editorial** [Dwy15, DR16, Kra10, Med18, Med19, Nus10a, Nus10c, Nus10b, Nus10d, Nus11a, Nus11b, Nus13a, Nus13b, Nus13c, OT12]. **Editors** [Nus10d, Nus13b, CEM11, GRI10, GPK10, MS10]. **Edits** [ASM⁺18]. **Education** [SMG11]. **EDZL** [LS13]. **Effect** [ACCA15, ADJ16, BTEGF12, KSD11, MHL⁺12, SPA⁺17, SYA⁺13]. **Effective** [BDP16, Cai18, GKZ⁺14, HHY⁺14, TSBB20, WHY18]. **Effectively** [HWM18, LKTC14]. **Effectiveness** [AGI⁺13, ADJ16, ABL14, MHS⁺13, ZB12a]. **Effects** [DMTR10, HAES10, KGM⁺16, Lat14, NWCS20, RM13, SWEK15, YDCP14]. **Efficiency** [BCBR18, BP16a, HC18, LRCL14, PW12, PCHY15]. **Efficient** [BGMM17, BVD15, GRPF13, MPS17, PC10, TDD14, WMW11, WSC⁺15]. **Efficiently** [SPF14]. **Effort** [DVMB12, JG11, KMBK12, KMK12, LMSN12, MJK⁺18, MBC⁺13, SYA⁺13, YZL⁺15, KMK⁺13]. **Effort-Aware** [YZL⁺15]. **Efforts** [KWK⁺11]. **Elaborating** [AKRU13]. **Elaboration** [DLR13]. **Electronic** [BBC⁺10, SRE10]. **Eleven** [SGR⁺12]. **Elicitation** [ADJ16, CWW⁺14, LF12, MLS⁺14, DJ11]. **Eliminating** [YYG⁺18]. **Embedded** [BBD17, BHCC11, CKMR13, CFMS12, LH12, MDB13]. **Embedding** [BGS⁺13, CFMS15]. **Emergent** [Pre11]. **Empirical** [AA18, ABHPW10, Arc12, BH13, FCC13, Gar10, GS12, HM10b, HJ14, KZN14, MSKM10, MN14, NBKC15, PCHY15, POM13, SMG11, SPA⁺17, SDdS16, SYB18, TMHM17, WNP⁺20, YZL⁺15, ZM19, DJ11, Her17, KSA⁺13]. **Empirically** [SFCR16]. **Employing** [CC15]. **Emulation** [XXCL19]. **Enabling** [CKKR12]. **Encoding** [SZWZ12]. **End** [GKZ⁺14, NDMX16]. **Energy** [BCBR18, BPHB19, DLWF19, LXCL14, MSK⁺18]. **Energy-Aware** [MSK⁺18]. **Energy-Efficiency** [BCBR18]. **EnergyPatch** [BCBR18]. **Enforcement** [MMPT19]. **Enforcing** [BGRJ16]. **Engine** [CDGC12, MGP⁺12]. **Engineering** [ABY16, CWG⁺18, Cha10, CNKM19, DBF⁺16, DR16, Dwy17, EEM13, FDMM18, HBB⁺12, HM10a, KKS⁺14, KSD⁺13, KMD15, KKR10, LBK⁺15, LZX10, MSKM10, MSJ⁺17, MG20, MB14, MS10, Ral19, RRS19, RCKH16, SDdS16, VAJ16, VCMG20, WGC⁺16, Ano19a, AI12, Ano15a, Ano17a, Ano18a, HM10a].

Engineering-Utilizing [WGC⁺16]. **Engineers** [FdS20, KBZ⁺19]. **Engines** [MGS⁺18, SGM13, ZXC16]. **English** [AGL⁺15]. **Enhanced** [BBD17, EKAYW16]. **Enhancing** [YLQ⁺18]. **Ensemble** [KMK12]. **Enterprise** [RK14]. **Entropy** [SSP18]. **Entry** [Thi15]. **Environment** [BDM18, CEM11, DSB14, LED13]. **Environments** [CGMD19, CBD⁺17, RO13]. **ePUB** [Ano11q, Ano11r]. **Equality** [CT13]. **Equally** [PG13]. **Equals** [CT13]. **Equivalence** [BSM17, CT13]. **Equivalences** [KPJ⁺18]. **Equivalent** [FCC13, MOTJ14]. **ERP** [SL12]. **Error** [XZH⁺15]. **Errors** [HPSW16, MHB12]. **Essential** [KMBK12, KMK⁺13]. **Estimates** [JG11]. **Estimating** [CDT⁺19, PCPS15]. **Estimation** [DVMB12, LJK13, JG12, KKR12, KMBK12, KMK12, LH12, MBC⁺13, MA13, KMK⁺13]. **Ethnographic** [SDdS16]. **Evaluate** [MN14]. **Evaluating** [BCD⁺18, CSJ⁺16, HSH⁺12, KGM⁺16, MOA15, PR11, RT12, SMWO11, SNAH15, dCMS⁺17]. **Evaluation** [AA18, ANN⁺19, BH13, BMB⁺15, Gar10, GPK10, HBC13, MGB12, PLN10, RBH18, UGI⁺12, YBL16, ZSDS13]. **Event** [BB15, BSM11, CZ13, CCP13, MC10, NM14, YJ13, YM10, YCM11]. **Event-Based** [BB15, CZ13, MC10]. **Event-Driven** [BSM11, NM14]. **Evidence** [GS12, MB14, diVBWM16]. **Evidence-Based** [MB14]. **Evolution** [ABP12, CC15, CFMS15, DR14, HKB17, KA11, POM13, SMJ19]. **Evolutionary** [LKS10, MSY14, SFH⁺17, SPG10]. **Evolving** [KGRX12, NNP⁺12]. **Exact** [FAHCC14, LHWZ17]. **Exception** [BGRJ16, BG18, FFM⁺10, GRI10, LCO⁺10, SGH10]. **Execution** [CGMD19, CK15, HJ14, JMC13, LZX10, MSS19, QSM16, RGA⁺15, SCP14, WLG⁺17, YYG⁺18]. **Exemplar** [MGP⁺12]. **Exercise*** [NM14]. **Existing** [NDMX16, ZB12b]. **Expanding** [LLLW15, ZNKZ18]. **Expectations** [BLZ⁺19, BLZ⁺20]. **Experience** [AKL13, BBC⁺10, Lat14, RDT⁺10]. **Experiment** [ADJ16, BP16b, CZvD11, JG11, KSD⁺13, KPJ⁺16, MOTJ14, PR11, Pre11]. **Experimental** [RKH12]. **Experiments** [AGI⁺13, DMTR10, JGP13, KSD⁺13, MBLD11, RDT⁺10, VAJ16]. **Expert** [HWM18]. **Experts** [SGH10]. **Explicit** [AL10, AKD⁺10, WSW⁺15]. **Explicit-State** [AKD⁺10, WSW⁺15]. **Exploit** [JPAB19]. **Exploiting** [BB15, KMBK12, RHB⁺12]. **Exploratory** [IML13, Pre11]. **Exploring** [COLY15, DLWF19, NDMX16]. **Explosion** [HPP⁺14]. **Exposure** [YJ13]. **Expression** [FPTO11]. **Expression-Based** [FPTO11]. **Expressions** [KGRX12, YT18]. **Extended** [ACH⁺13, FAHCC14, SGR⁺12]. **Extending** [EALK⁺15, LGN12]. **Extensibility** [BBA⁺15]. **Extensible** [MMMR12]. **Extension** [BSM17]. **Extensive** [LMZP19, PPZ⁺18]. **External** [RM13]. **Externalize** [WZX⁺13]. **Extract** [CAC⁺17]. **Extracted** [HCBB12]. **Extracting** [BKML14, TRD15, VBP12]. **Extraction** [ASBZ17, NBKC15]. **Eye** [RLMM15]. **Eye-Tracking** [RLMM15]. **Facilitating** [BVD15]. **Factors** [NDMX16]. **Failure** [LP13b, NNL⁺20, OY16]. **Failure-Causing** [NNL⁺20]. **Failures** [CH13, CCP13]. **Family** [AGI⁺13]. **Farming** [MBK⁺13]. **Fault** [AB12, ADTP12, BPH10, BLVBC⁺15, BTWV15, DVB13, GRH13, HBB⁺12, MHS⁺13, NCDM13, PW12, PCHY15, SER⁺10, WHY18, WGL⁺16, YZL⁺15]. **Fault-Proneness** [BLVBC⁺15, YZL⁺15]. **Faults** [ABL14, LLHF17, MPP11, NNL⁺20]. **Feature** [EEM13, FAHCC14, MJC17, NSC⁺12, YBL16]. **Feature-Based** [MJC17]. **Feature-Oriented** [EEM13]. **Featured** [CCS⁺13]. **FeatureHouse** [AKL13].

Features [HCHM⁺13, KDO14, MSCC13, PMR11, SWAK13]. **Feedback** [LLNL16, MBEN15, YDCP14, YM10]. **Feedback-Based** [LLNL16]. **Fermat** [WZ11]. **Fidelity** [DLWF19, YLQ⁺18]. **Field** [HKS12, JG11, RK19, XBL⁺18]. **Files** [YBL16]. **Filtering** [LF12, PTYN19]. **Finding** [AKD⁺10, CSJ⁺16, KMK⁺13, LPZ12, MGP⁺12]. **Findings** [PCHY15]. **Fine** [YBL16]. **Fine-Grained** [YBL16]. **Finite** [ACH⁺13, HT16, Hie17]. **First** [DR16, FET⁺17, GZS⁺15, KWK⁺11, NZ16]. **Five** [AGI⁺13]. **Fix** [HMMB18, KWK⁺11, KTKZ13, MK18]. **Fix-Inducing** [MK18]. **Fixes** [MHZBN15, XZH⁺15]. **Fixing** [PFN⁺14, SHCX16]. **Flexible** [CGMD19, EB10]. **Floating** [CCK14]. **Floating-Point** [CCK14]. **FLOSS** [ZM15]. **Flow** [LMST10, QSM16, SYX14]. **Flowchart** [YF11]. **FlowTalk** [BHCC11]. **Fluid** [HBC13, TDGH12, Tri13]. **Fly** [MPS12]. **Foraging** [LBB⁺13]. **Forecasting** [CC15, SL12]. **Formal** [AB12, CMM⁺19, LSL⁺18, LCNM12]. **Formalism** [BBL⁺11]. **format** [Ano11q, Ano11r]. **Formulating** [HHY⁺14, WHY18]. **FOSS** [DBM19]. **Foundation** [HPSW16]. **Foundations** [CCS⁺13, MS10]. **Four** [RDT⁺10]. **Fragments** [PBM⁺19]. **Framework** [BKML14, CCG⁺12, CSVC11, EEM13, FDM18, HCBB12, JWDX17, KT10, LSL⁺18, MMR12, MMPT19, MVDS20, NRDB17, PWSG19, RK19, SJS⁺11, TLB14, TLLV20, ZSDS13, dCMS⁺17]. **Framework-Usage** [HCBB12]. **Frameworks** [AA11, CSJ⁺16]. **Friendly** [MHB12]. **Front** [Ano10k, Ano10m, Ano10i, Ano10l, Ano10n, Ano10j, Ano11n, Ano11m, Ano11k, Ano11p, Ano11o, Ano11l, Ano12k, Ano12l, Ano12-27, Ano12-30, Ano12-29, Ano12z, Ano12-28, Ano12y, Ano10q, Ano10r, Ano10t, Ano10p, Ano10s, Ano10u, Ano11v, Ano11y, Ano11x, Ano11u, Ano11w, Ano11t, Ano12u, Ano12s, Ano12t]. **Frontier** [LLHF17]. **FSC** [WGC⁺16]. **Full** [SYX14]. **Full-Sparse** [SYX14]. **Fully** [CGMM16, CGMD19, TFB14]. **Functional** [AGI⁺13, ABL14, CAC⁺17, eZHM13]. **Functions** [QSM16]. **Future** [DCS⁺18]. **Fuzzing** [BPR19]. **Fuzzy** [PSB⁺17, SL12].

Gain [BTEGF12]. **GALE** [KMD15]. **Game** [FRA⁺19, HPSW16]. **Game-Theoretic** [HPSW16]. **Gaussian** [TWL13]. **GEA** [LH14]. **General** [RLR14, SJS⁺11]. **Generalize** [KPJ⁺16]. **Generalized** [WZX⁺13]. **Generate** [AA11, HPP⁺14, MBH⁺18]. **Generating** [AIAB13, AM13, DKM⁺12, DHL⁺13, Hie15, HT16, YM10]. **Generation** [ABHPW10, AL10, AGR19, AKD⁺10, BCD⁺18, CRV13, FZ12, FA13, GSWH15b, JPAB19, LMP14, MNBB19, MHL⁺12, MBP⁺17, PZTM13, PKT18, SM16, UKB10, YT18, CPTT12]. **Generator** [Gar10, SPG15]. **Generic** [GITT17, LNF12]. **Genetic** [AML11, BBL10, Gar10, KKR10, POPD15, PHLW18]. **GenProg** [LNF12]. **Geometric** [KMD15]. **GitHub** [LMZP19]. **GK** [MPS17]. **GK-Tail** [MPS17]. **Global** [BG18, HM10b, LED13, MHL⁺12, MBC⁺13]. **Global-Aware** [BG18]. **Globally** [Ram14]. **Glossary** [ASBZ17]. **Go** [TPB⁺17]. **Goal** [CWW⁺14, DLR13, LH14]. **Goal-Driven** [LH14]. **Goal-Obstacle** [DLR13]. **GoF** [ACCA15]. **Good** [FRA⁺19, ZPB⁺10]. **GoPrime** [CGMM16]. **Gossip** [TLB14]. **GossipKit** [TLB14]. **Governed** [KA11]. **Governing** [Ram14]. **Grained** [YBL16]. **Grammar** [AGL⁺15, ZKZ10]. **Graph** [BPH10, QSM16, ZKZ10]. **Graphical** [MBCC⁺20]. **Great** [Ano10b, KBZ⁺19]. **GreenDroid** [LXCL14]. **Greenfield** [GPU⁺16]. **Greybox** [BPR19]. **Guest** [OT12, AI12, CEM11, GRI10, GPK10, MS10]. **GUI** [GCZM16, YM10, YCM11]. **Guided**

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I/O [WSC⁺15]. **ICPMD** [EKAYW16]. **IDE** [BGP⁺19, DCS⁺18, DSB14]. **Identification** [HC18, PBM⁺19, SER⁺10, SE13]. **Identifier** [AEP⁺14, Zav17]. **Identify** [FRGCH20, QSM16]. **Identifying** [CMM⁺19, CAC⁺17, KNGW13, LLLW15, MSCC13, NNL⁺20, dCMS⁺17, CPTT12].

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Imbalanced [SGS19]. **Impact** [AA18, BLVBC⁺15, BWRR17, Cai18, CH13, CSJ⁺16, JG11, LKKS15, LCG⁺18, MFL⁺16, PR11, RM17, SL12, SE13, TMHM19, TNBH13, dIVBWM16]. **Impacted** [FRGCH20]. **Impediments** [SWEK15].

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[BDM18, CTZ11, EKAYW16, TSBB20].
Integrating [RK19]. **Integration** [MPP11, MPO⁺19, SCF⁺12]. **Integrative** [ABM19]. **Intelligence** [CD12]. **Intensive** [CCS⁺13, PBS⁺18]. **Inter** [BSGM15, WLX⁺16]. **Inter-App** [BSGM15]. **Inter-Procedural** [WLX⁺16]. **Interact** [MLPvdH15]. **Interaction** [AB12, CBD⁺17, LNH⁺16, PCHY15, RRS19, SPF14, Yi13, YDCP14, YCM11]. **Interactions** [DSSP17, PMM18]. **Interactive** [BXXL19, GKZ⁺14, SPG10, XZH⁺15]. **Interdependence** [JG12]. **Interface** [HMC19, MM13, PBU16]. **Interfaces** [ABY16, MBCC⁺20, NWCS20, Thi15]. **Interleaving** [LPZ12]. **Internally** [ADJ16]. **International** [OT12, AI12]. **Internationalization** [WZX⁺13]. **Interoperability** [BI15, MMPT10]. **Interpretable** [GBvBD⁺18]. **Interview** [MG20, SGR⁺12]. **IntroClass** [LHS⁺15]. **Introducing** [MFL⁺16, dCMS⁺17]. **Introduction** [Ano12v, AI12, CEM11, GRI10, GPK10, HM10a, MS10, RZ10]. **Invariant** [BCD⁺18, MvDR12]. **Invariant-Based** [MvDR12]. **Invariants** [GFM⁺15]. **Investigating** [LBK⁺15]. **Investigation** [ABHPW10, Sha10, SGS19]. **Irrelevant** [JG11, MHL⁺12]. **Isolation** [PW12]. **ISSTA** [RZ10]. **Issue** [Ano11z, ANVZ14, BKP⁺18, HM10a, RBH18]. **Issues** [LJZ⁺19, Nus10c]. **Item** [TS12]. **Iterative** [CDT⁺18, HYJY14]. **iTree** [SPF14].

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Kaizen [ABM19]. **KAOS** [CWW⁺14]. **Keeping** [DSB14]. **Key** [TZL⁺15]. **Keyword** [HZZ⁺17]. **Kits** [ACDO12]. **Know** [MHPB12, ZB12a]. **Knowledge** [ADJ16, HWM18, IML13, MR13].

Language [AKL13, ASBZ15, BGRJ16, BHCC11, BRLM11, DFG16, DS11, FCC13, GH1⁺13, HJ14, HBS⁺17, LMP14, LGN12, dSMST17, SCF⁺12, WSWQ17, YF11]. **Language-Based** [BRLM11]. **Language-Independent** [AKL13]. **Languages** [AA11, BJGB10, BSL⁺13, MMPT10, MLM⁺13]. **Large** [BKML14, BSH⁺18, CC14, JH15, KGM⁺16, LF12, LLL⁺18, MM13, WGC⁺16, XBL⁺18, XJRL12, dBFP⁺13, KSA⁺13]. **Large-Scale** [BSH⁺18, CC14, JH15, LF12, LLL⁺18, MM13, WGC⁺16, XBL⁺18, KSA⁺13]. **Last** [FET⁺17]. **Latency** [BHCC11]. **layered** [Tri13]. **Lazy** [RGA⁺15]. **Leading** [SBL12]. **Leak** [WLX⁺16]. **Leakage** [BSGM15]. **Leaks** [BCBR18, SYX14]. **Learn** [MPS17]. **Learning** [ABM19, AKRU13, BKKL10, BW10, CDT⁺19, EEM13, GKZ⁺14, KMD15, KM19, Lat14, LAL⁺14, MBK⁺13, MBCC⁺20, PSA13, SBH14, SHB18, SGS19, TMHM16, KMK⁺13]. **Learning-Based** [EEM13, MBCC⁺20]. **Legacy** [MGB12]. **Legal** [MOA15]. **LEILA** [CMM⁺19]. **Length** [Arc12]. **Lens** [BGM11]. **Lessons** [MBC⁺13]. **Level** [CT13, MUA13, MN17, SRE10, WYZ⁺18, YXS⁺19]. **Levels** [Sha10]. **Leveraging** [FRGCH20]. **Lexical** [PLM15]. **Lexicographical** [ET16]. **Lexicon** [DDO11]. **Library** [QSM16]. **Life** [CRV11, MBM⁺17]. **Light** [WLX⁺16]. **Light-Weight** [WLX⁺16]. **Lightweight** [OY16, ZWL⁺16]. **Like** [SE13]. **Line** [ACDO12, KDO14]. **Linear** [LW13, LLC⁺16]. **Linearizability** [LCL⁺13, ZCW15]. **Lines**

[HPP⁺14, UKB10, VBP12]. **Link** [GS12]. **Links** [AGA13, DR14]. **List** [Ano10a, Ano11b, Ano12b, Ano13b, Ano14, Ano19b, Ano16]. **List*** [Ano15b, Ano17b, Ano18b]. **Listening** [SBR⁺19]. **Listings** [HCHM⁺13]. **Literature** [AA18, ABG⁺13, GWT⁺14, HBB⁺12, HTG19b, MOTJ14, SMG11, SBWM18, UGI⁺12, YGV17, vH19]. **Live** [GITT17]. **Load** [JH15, LKB18]. **Load-Time** [LKB18]. **Loadings** [KS12]. **Local** [HM10b, MHL⁺12, MBC⁺13, WWY⁺18]. **Localization** [ADTP12, BTWV15, HOLL19, TNBH13, WGL⁺16]. **Locating** [GW19, LLHF17, WZX⁺13]. **Location** [MC10]. **Location-Aware** [MC10]. **Logic** [NZ16, PSB⁺17]. **Logs** [CCP13]. **Long** [BHCC11]. **Long-Latency** [BHCC11]. **Longitudinal** [HKS12, MK18]. **Look** [PSA⁺20]. **Loop** [ABM19, ABB⁺18, GFM⁺15, SDMW14, XCZ⁺19]. **Loupe** [BGM11]. **LTL** [CCS⁺13].

Machine [GKZ⁺14, MBCC⁺20, MBLD11, PSA13, SBH14, SHB18, TMHM16]. **Machine-Based** [MBLD11]. **Machines** [ACH⁺13, CGMD19, HT16, Hie17]. **MADMatch** [KRG⁺13]. **Magazines** [Ano11q, Ano11r]. **Magiclock** [CC14]. **Magnifying** [BGM11]. **MAHAKIL** [BKP⁺18]. **Maintainability** [PR11]. **Maintenance** [GRI10, MFL⁺16, RHB⁺12, SL12, SYA⁺13, WDZ⁺14]. **Make** [Zav17]. **Makes** [KBZ⁺19, Nus11b, ZPB⁺10]. **makeSense** [MPO⁺19]. **Making** [MOA15, MB14, SDMW14, TDD14]. **Malicious** [CMM⁺19]. **Management** [BCE⁺14, BRDG16, CGK⁺11, HBS⁺17, KL11, MBK⁺13, NNP⁺12, RK19, RO13, RRL⁺13, SCF⁺12]. **Manager** [KBZ⁺19]. **Managing** [RK14]. **Manual** [ASM⁺18]. **Many** [FTK⁺17, KRG⁺13, PKT18]. **Many-Objective** [FTK⁺17, PKT18].

Many-to-Many [KRG⁺13]. **ManyBugs** [LHS⁺15, LBFW17]. **Map** [FDMM18]. **Mapping** [AHG13, BTS17, CSJ⁺16, MTHG15, YBL16]. **Maps** [SL12]. **Markov** [BPR19, HMMB18]. **MARTE** [SBL12]. **Mary** [Nus13e]. **Mashups** [SE13]. **Masking** [YDCP14]. **Massive** [UR18]. **Massively** [XLP⁺16]. **Matching** [KKMY10, KRG⁺13, NSC⁺12, PSB⁺17]. **Matter** [FET⁺17]. **Matters** [MRG⁺18]. **Maturity** [SRS12]. **Maximum** [HPSW16]. **MDD** [VBJM14]. **Measure** [RT12]. **Measurement** [UGI⁺12, WMW11]. **Measuring** [AI 11, BSD14, LW12, LCG⁺18, XBL⁺18]. **mechanism** [NB13]. **Mediators** [BI15]. **Meets** [OF13]. **Memoriam** [Nus10e, Nus13d, Nus13e]. **Memory** [ADG16, SYX14]. **Merging** [NSC⁺12]. **Message** [BRLM11]. **Meta** [HTG19b, RM13]. **Meta-Analysis** [HTG19b, RM13]. **Metamodels** [HKB17]. **Metamorphic** [LKTC14, SFSRC16, SPTRC18, ZXC16]. **Metering** [CWW⁺14]. **Method** [BOG⁺14, BP16b, CAC⁺17, CTZ11, KM19, LNF12, MGDL10, PG13, SBY16, SBL12, SCF19, WYZ⁺18, KRX11]. **Method-Level** [WYZ⁺18]. **Methodbook** [BOG⁺14]. **Methodological** [Ral19]. **Methodology** [ABD⁺16, BCE⁺14, CBCB12, DSP11, KL11, MN14, CPTT12]. **Methods** [ABG⁺13, BWB12, MM16]. **Metric** [BW10, MW11]. **Metrics** [AI 11, LNH⁺16, Sha10, SMWO11, TWL13, YZL⁺15, ZHMZ17]. **Micro** [LNH⁺16]. **Microsoft** [BCB⁺17, KZN14]. **Microtask** [LDR⁺19]. **Middleware** [CGMM16, MC10, SCF⁺12]. **Migration** [SMJ19]. **Milner** [Nus10e]. **Minimum** [LLHF17]. **Mining** [AGA13, ABB⁺18, DKM⁺12, DSSP17, DVMB12, HCHM⁺13, KDO14, LW12,

PBP⁺15, SWHJ14, SRZ15, ZJ12].
Misalignment [BSH⁺18]. **Misleading** [JG11]. **Mission** [CKMR13, HA16].
Mission-Critical [CKMR13]. **Misuse** [ANN⁺19]. **Mixed** [BBD17]. **Mobile** [CMM⁺19, CKMR13, EKAYW16, LBK⁺15, MC10, MSK⁺18, MBCC⁺20, NDMX16, SBR⁺19]. **Modal** [HOLL19, SBUK13].
Model [ABY16, AL10, AKRU13, AGR19, AKD⁺10, BYW⁺18, BDR⁺20, BCE⁺14, BB15, BDM18, BBA⁺15, BKBR12, BMB⁺15, BSM11, BTWV15, CXK⁺19, CSF⁺16, CYH⁺11, CDT⁺19, CCS⁺13, CFMS12, CGdL14, CGdL17, CFMS15, DPD⁺18, DPS12, DNT14, EALK⁺15, FAHCC14, FTK⁺17, FDMM18, GRH17, GPU⁺16, HMMB18, HBS⁺17, IJK13, KKK11, KTKZ13, LKR14, LMP14, LAH⁺14, LO17, LL14, MJC17, MMPT10, MDB13, NM14, NZ16, PZTM13, PZF⁺19, PHV16, POM13, RE13, SRS12, SBL12, SFCR16, TMHM17, TDD14, VBJM14, XLP⁺16, XLD⁺17, YBL16, Her17, Tri13, CRV11].
Model-Based [AGR19, BDM18, DNT14, GRH17, HBS⁺17, LO17, PZTM13].
Model-Driven [ABY16, BCE⁺14, BMB⁺15, CFMS15, FDMM18, MDB13].
Model-Inference [BBA⁺15].
Model-Transformation [LKR14].
Modeling [ACDO12, BJGB10, CB17, HBS⁺17, LCO⁺10, LKS10, MM13, RNP13, SWEK15, SDMW14, TLLV20, TWL13, VDC17, ZM15].
Modelling [MFL⁺16, MVDS20]. **Models** [AM13, ABD⁺16, BOG⁺14, BSL⁺13, CMCS12, CC15, CBD⁺17, CSV11, DCS⁺18, DVB13, Egy11, FAHCC14, GAB⁺10, HKB17, Kim14, KKR10, LM11, MPS17, MN14, MNBB19, MA13, PLM15, SWEK15, SRZ15, TMHM17, TMHM19, TGH12, WMW11, ZHMZ17, Her17].
Moderator [KPJ⁺16]. **Modern** [LMZP19, MvDR12, ZKB16]. **Modification** [VW12]. **Modular** [LAH⁺14].
Modularization [FTK⁺17]. **Module** [PHY11, VCMG20]. **Monitor** [LGS13, dSR11]. **Monitor-Based** [LGS13].
Monitoring [BHKZ13, BBH17, HHY⁺14, MCH16].
Morphology [BB15]. **MOSES** [CCG⁺12].
Motifs [WWY⁺17]. **Motifs-Based** [WWY⁺17]. **Motivation** [FdS20]. **Move** [BOG⁺14]. **Moving** [MK18]. **MSCs** [BKKL10]. **MSeer** [GW19]. **Multi** [BBL10, CMCS12, HYJY14, HOLL19, KPJ⁺16, MIA⁺16, POPD15, PCPS15, PHY11, SFH⁺17, SM16, SSP18, SCF19, TFB14, WHY18]. **Multi-Attribute** [HYJY14]. **Multi-Method** [SCF19].
Multi-Modal [HOLL19]. **Multi-Objective** [BBL10, MIA⁺16, POPD15, PHY11, SFH⁺17, SM16, TFB14]. **Multi-Site** [KPJ⁺16]. **Multi-Tenant** [WHY18].
Multi-Threaded [PCPS15]. **Multi-Tier** [CMCS12]. **Multi-Version** [SSP18].
Multicore [ADG16, LS13]. **Multicriteria** [MAT12]. **Multilevel** [XJRL12].
Multimedia [AA11]. **Multiple** [GW19, LJZ⁺19, LKS10, MA13, NNL⁺20].
Multithreaded [CC14, Kim14, TLZ⁺18].
Mutable [PW12]. **Mutant** [KPJ⁺18, MOTJ14]. **Mutants** [MWMK19].
Mutation [BH13, FZ12, GFM⁺15, JH11, MOTJ14, MUA13, MWMK19, MMP15, SYB18, ZZH⁺19]. **Mutation-Driven** [FZ12]. **My** [dSR11].
Name [PG13]. **Name-Based** [PG13]. **names** [ZNKZ18]. **Naming** [STST12].
NASA [SSSM13]. **Natural** [ASBZ15, FCC13, LMP14, dSMST17].
Nature [AEP⁺14]. **Navigate** [MHZBN15, TRD15]. **Need** [WZX⁺13].
Need-to-Externalize [WZX⁺13]. **Needs** [MLM⁺13]. **Nets** [CRV11, DSP11].
Network [BRLM11, CC15, DVB13, HOLL19, SCP14, dSR11].
Network-Clustered [HOLL19]. **Networks**

[LF12, MB14, MPO⁺¹⁹, WWY⁺¹⁷, WYZ⁺¹⁸, Tri13]. **Neutral** [HYH⁺¹⁷]. **Newsletter** [Ano12w]. **Next** [XJRL12]. **NLP** [CWW⁺¹⁴]. **NLP-KAOS** [CWW⁺¹⁴]. **Non** [WSW⁺¹⁵, WSWQ17]. **Non-Zenoness** [WSWQ17, WSW⁺¹⁵]. **Nonequivalence** [CT13]. **Nopol** [XMD⁺¹⁷]. **Normative** [DCMS14, RK19]. **Notation** [EALK⁺¹⁵]. **Notations** [vH19]. **Notes** [MBP⁺¹⁷]. **Notkin** [Nus13d]. **Novices** [SGH10]. **Number** [Thi15]. **Numerical** [TZM⁺¹⁷].

O [DCMS14, WSC⁺¹⁵]. **OBEY** [JMC13]. **Obfuscation** [LMW⁺¹⁷]. **Obfuscation-Resilient** [LMW⁺¹⁷]. **Object** [Al 11, AA18, ABL14, BTS17, BBL10, CT13, CSJ⁺¹⁶, Kim14, LZ12, MTHG15, POM13, SPG15, Sha10, SPG10]. **Object-Oriented** [Al 11, AA18, ABL14, BBL10, CT13, Kim14, MTHG15, POM13, Sha10, SPG10]. **Object-Relational** [BTS17, CSJ⁺¹⁶]. **Objective** [BBL10, FTK⁺¹⁷, MIA⁺¹⁶, POPD15, PKT18, PHY11, SFH⁺¹⁷, SM16, TFB14]. **Objects** [VW12]. **Observable** [CBD⁺¹⁷]. **Observation** [ADG16]. **Observe** [NM14]. **Observe-Model-Exercise*** [NM14]. **Obstacle** [DLR13]. **Occurrence** [PLN10]. **OCL** [AIAB13, CGC19, LWY⁺¹⁹]. **Off** [GAB⁺¹⁰, Nus14]. **On-the-Fly** [MPS12]. **One** [LR12, LP13b]. **Online** [CB17, HCHM⁺¹³, OY16, WWY⁺¹⁷]. **OnlinePlus** [Ano12n, Ano12v, Ano12x]. **Only** [GKZ⁺¹⁴]. **Ontology** [DLGRCBC15]. **Ontology-Based** [DLGRCBC15]. **Open** [Ano12o, BCB⁺¹⁷, KGM⁺¹⁶, LL14, PMM18, RT12, Sha10, SSP18]. **Open-Source** [Sha10]. **Operations** [BHCC11]. **Opportunities** [CAC⁺¹⁷, LLLW15]. **Optimal** [BDR⁺²⁰, HZZ⁺¹⁶, JMC13]. **Optimisation** [PKT18]. **Optimisations** [KPJ⁺¹⁸]. **Optimization** [ABG⁺¹³, CGK⁺¹¹, CZ13, FTK⁺¹⁷, LKS10, MAT12, SM16, TMHM19]. **Optimized** [LCL⁺¹³]. **Optimizer** [CNKM19]. **Optimizing** [KGDS13]. **Options** [LKB18]. **Oracle** [BHM⁺¹⁵, GSWH15a, GKZ⁺¹⁴, GZS⁺¹⁵, LO17, LKTC14, PZTM13]. **Oracles** [ABL14, BPHB19, FZ12, GRH17, Hie12, LRCL14]. **Order** [MOTJ14, MUA13, NZ16]. **Ordered** [KGDS13]. **Ordering** [ET16]. **Organisational** [COLY15]. **Organizations** [ABM19]. **Organizing** [HNM13]. **Oriented** [Al 11, AA18, ABL14, BH10, BBL10, CCG⁺¹², CT13, EEM13, KGRX12, Kim14, MTHG15, MGB12, PR11, POM13, SPG15, Sha10, SPG10, WWY⁺¹⁷]. **Origins** [PBS⁺¹⁸]. **OSS** [PBS⁺¹⁸]. **Output** [DLWF19, HLP10]. **Outsourcing** [PBS⁺¹⁸]. **Overcoming** [MOTJ14]. **Overly** [MGS⁺¹⁸]. **Oversampling** [BKP⁺¹⁸]. **Overtime** [SFH⁺¹⁷].

Packages [RK14]. **Pair** [HAES10, SMG11, dBFP⁺¹³]. **Palantir** [SRvdH12]. **Palladio** [BKBR12]. **Papers** [RZ10]. **Paradigm** [MLS⁺¹⁴, NM14]. **Parallel** [ADG16, CCK14, GW19, HT16, KKS⁺¹⁴, MYK19, SRvdH12]. **Parameter** [JLR15, TMHM19]. **Parameterization** [CMCS12]. **Parameters** [SFCR16]. **Parametric** [KKR10]. **Partial** [CBD⁺¹⁷, Hie17]. **Participant** [ZM15]. **Participatory** [SZF⁺¹⁷]. **Paste** [WDZ⁺¹⁴]. **Path** [BSM17, BDR⁺²⁰, XCZ⁺¹⁹, YYG⁺¹⁸]. **Pattern** [PLN10]. **Patterns** [ACCA15, AGL⁺¹⁵, BGP⁺¹⁹, BBH17, KPJ⁺¹⁶, LKR14, LCO⁺¹⁰, LLL⁺¹⁸, MR13, SER⁺¹⁰, WGC⁺¹⁶, ZB12a, ZB15]. **PCM** [DSP11]. **PCM-Based** [DSP11]. **Peer** [ZKB16]. **Perceived** [MBM⁺¹⁷, SWEK15]. **Perfect** [LR12, LP13b]. **Perform** [LMZP19]. **Performance** [ADG16, ANVZ14, BMB⁺¹⁵, CSJ⁺¹⁶, COLY15, HBB⁺¹², HBC13, HBS⁺¹⁷, KRX11, KKR10, MTHG15, RBH18, ZHMZ17]. **Perils** [VAJ16]. **PerLa** [SCF⁺¹²]. **Permission**

[BSGM15, BKML14]. **Persistence** [LZ12]. **Persistent** [POM13]. **Persona** [BWB12]. **Personality** [HAES10]. **Personas** [M0d19]. **Perspective** [LBB⁺13, SCF19]. **Perspectives** [IRBW16]. **Pert** [LZ12]. **Perturbation** [SFCR16]. **Pervasive** [CBCB12, SCF⁺12]. **Petri** [CRV11, DSP11]. **pfd** [LP13a]. **Phase** [HC18, KTKZ13]. **Physical** [BDM18, FRA⁺19]. **Physics** [vH19]. **Pipe** [SE13]. **Pipe-Like** [SE13]. **Plagiarism** [JJW⁺15, LMW⁺17, TZL⁺15, TLZ⁺18]. **Plan** [JMC13]. **Planning** [BSH⁺18, NR19, SFH⁺17, SBR⁺19]. **Plat Forms** [Pre11]. **Platform** [EKAYW16, HYH⁺17, Pre11, RCKH16]. **Platform-Based** [RCKH16]. **Platform-Neutral** [HYH⁺17]. **Pnueli** [Nus10e]. **Point** [CCK14]. **Pointcut** [KGRX12]. **Points** [CDT⁺19]. **Policies** [BGRJ16, BTEGF12, MMPT19]. **Policy** [YLQ⁺18]. **Polychrony** [BGS⁺13]. **Polynomial** [TFB14]. **Positive** [SPA⁺17]. **Possible** [GKZ⁺14]. **Possibly** [LR12, LP13b]. **Post** [YZL⁺15]. **Post-Release** [YZL⁺15]. **Postconditioned** [YYG⁺18]. **Potential** [CC14, SJMH⁺19]. **Power** [Al 11]. **Practical** [AIB12, LH12, PCHY15]. **Practice** [BCB⁺17, SGR⁺12, dIVBWM16]. **Practices** [DSB14, VCMG20]. **Practitioners** [MG20]. **Precise** [SZWZ12]. **Precision** [TZM⁺17]. **Preconditions** [LLC⁺16, MGS⁺18]. **Predict** [HMMB18]. **Predicting** [CDT⁺18, DCS⁺18, KWK⁺11, KRX11, SWHJ14, WDZ⁺14]. **Prediction** [BKP⁺18, BKBR12, Cai18, DVB13, DPD⁺18, HBB⁺12, HTG18, HTG19a, HTG19b, JWDX17, KKR10, LNH⁺16, LJZ⁺19, MK18, MBC⁺13, MHS⁺13, NFK⁺18, OY16, PZF⁺19, PMGZ13, PTYN19, SBH14, SHB18, SWAK13, SJS⁺11, SGS19, TMHM16, TMHM17, TMHM19, WWY⁺17, XLP⁺16, YZL⁺15, YWHH19, ZHMZ17, Her17]. **Predictive** [ZZH⁺19]. **Preemptive** [CRV11]. **Preprocessor** [MRG⁺18]. **Presence** [NNL⁺20]. **Preservation** [LJZ⁺19]. **Preventing** [LYJC11, RM17]. **Principles** [FCC13]. **Prioritization** [BSM11, DMTR10, ET16, eZHM13, HZZ⁺16, LMZP19, MNBB19, PSA13]. **Prioritize** [HPP⁺14, KWK⁺11, MIA⁺16]. **Prioritizing** [MJK⁺18, MHZ⁺12]. **Privacy** [LJZ⁺19, PMGZ13, YLQ⁺18]. **Proactive** [CKMR13, SMBY16, ZSDS13]. **Proactive-Rescheduling** [SMBY16]. **Probabilistic** [AGL⁺15, BPH10, BP16a, PHV16, PBU16, SFCR16]. **Probability** [AB12, KA11, LMST10, LP13a, LP13b, SFCR16]. **Probability-Based** [LMST10]. **Probes** [HBC13]. **Problem** [BHM⁺15, BBL10, FTK⁺17, LKTC14, MOTJ14, MSY14, PKT18, PHY11, SPG15, XJRL12]. **Problems** [ADG16, EB10, JWDX17]. **Procedural** [WLX⁺16]. **Process** [BJGB10, BCB⁺17, COLY15, FET⁺17, HKS12, HJ14, LED13, LMP14, LCO⁺10, MPS12, PLM15, Ra19, Ram14, SWEK15, SRS12, TDGH12, TGH12, UGI⁺12, WMW11]. **Processes** [BG11, DLvL14, FFM⁺10, GBvBD⁺18, MPO⁺19, RK19, SDMW14, SMJ19, TWL13]. **Processing** [ASBZ15, BRLM11, FCC13, dSMST17]. **Product** [ACDO12, DLGRCBC15, HCHM⁺13, HPP⁺14, KDO14, Ram14, RCKH16, UKB10, VBP12]. **Product-Line** [KDO14]. **Productivity** [CH13, MBM⁺17, RM13]. **Professionals** [XBL⁺18]. **Profiles** [LLL⁺18, WMW11]. **Profiling** [BBH17, CDF14]. **Program** [ARM18, BPH10, Cai18, CTZ11, CZvD11, DFG16, GRH17, JJW⁺15, LZX10, NRDB17, OLJM16, SBGM17, TLZ⁺18, XBL⁺18, ZKZ10, MSSF13]. **Programmer** [MHB12, RKH12]. **Programmer-Friendly** [MHB12]. **Programmers** [ARM18, LBB⁺13, PSA⁺20, RLMM15]. **Programming** [BXXL19, BSD14, HAES10,

KT10, LDR⁺19, LW13, MS18, OF13, SMG11, SPA⁺17, YF11, dBFP⁺13].

Programming-Based [LW13]. **Programs** [BBH17, CC14, GITT17, LHS⁺15, LCNM12, LLC⁺16, PFN⁺14, STST12, XMD⁺17].

Project [CZ13, HTG18, HTG19a, HTG19b, JWDX17, KGM⁺16, KSD11, KL11, MBK⁺13, MSY14, RT12, SBY16, XLP⁺16]. **Projects** [CEM11, LMZP19, SFH⁺17]. **Proneness** [BLVBC⁺15, SJS⁺11, SNAH15, YZL⁺15].

Proofs [BNR⁺10]. **Propagation** [OLJM16]. **Properties** [GAB⁺10, Pre11, RLR14]. **Property** [AGL⁺15, LW13, RBK⁺13].

Protection [PW12]. **Protocol** [BBD17, BRLM11, MDB13, SCP14]. **Protocols** [LSL⁺18, MPS12]. **Prototyping** [CD12, MBCC⁺20]. **Provably** [CD12].

Provenance [MBH⁺18]. **Providing** [MMPT10]. **Proving** [CTZ11, CTZ11].

Publication [DR16, Nus11b]. **Publish** [BGM11, VDC17]. **Publishing** [Ano12o, Dwy17]. **Putting** [CRV11]. **PVS** [BDM18]. **PVS-Simulink** [BDM18].

QoS [CGK⁺11, CCG⁺12, CB17, Li12].

Qualitative [AGL⁺15, MN17, SBGM17].

Quality [AA18, ANVZ14, BH13, HYJY14, KSD⁺13, LW12, LB10, LKS10, RM13, RK19, RM17, SSSM13, SGR⁺12, TFB14, ZXC16, KSA⁺13].

Quality-Aware [HYJY14].

Quality-Driven [TFB14]. **Quantifying** [SYA⁺13]. **Quantitative** [BMB⁺15, CRV13, FTG16, GRH13, Sha10, TLLV20].

Quantum [YF11]. **Quasi** [KSD⁺13, ZCW15]. **Quasi-Experiment** [KSD⁺13]. **Queries** [ZNKZ18]. **Queueing** [LL14, Tri13].

Race [BH10]. **Random** [AB12, AIB12, STM13, WNP⁺20, ZJ12].

Randomized [AML11, JG11]. **Range** [XZH⁺15]. **Ranking** [MA13, PTYN19, YBL16]. **Rapid** [CD12].

Rate [LL14]. **Rate-Based** [LL14]. **Ratings** [BLVBC⁺15]. **Re** [SNAH15, TLLV20].

Re-Evaluating [SNAH15]. **Reactive** [BRDG16, LW13, MS18, SPA⁺17, ZSDS13].

Readability [BP16b, BW10]. **Readers** [Nus10d]. **Readiness** [MOA15]. **Real** [AM13, AGL⁺15, BBC⁺10, BTEGF12, CPV13, CRV13, EB10, GRH17, JLR15, Kim14, LS13, YWHH19]. **Real-Time** [AM13, AGL⁺15, BTEGF12, CPV13, CRV13, EB10, JLR15, Kim14, LS13].

Real-World [BBC⁺10, YWHH19]. **Really** [FET⁺17]. **Reasoning** [LR12, LP13b, MBK⁺13, Zav17]. **Reasons** [Ano10b]. **Recommend** [DR14].

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[POM13]. **Schemas** [MWMK19, NNL+20]. **Scheme** [TFB14]. **Scientific** [LYJC11]. **Scientists** [KZDB18]. **Scope** [WGC+16]. **ScottKnottESD** [Her17]. **Screening** [DBM19]. **Script** [GCZM16]. **Scrum** [HA16]. **SDA** [JWDX17]. **SE** [SMG11]. **Search** [ABHPW10, AIAB13, AL10, BPHB19, CNKM19, EB10, HM10a, HM10b, HZZ+17, KKS+14, KMD15, KKR10, LWY+19, MGP+12, MHL+12, PC10, PHY11, RRS19, SPG10, XXCL19, ZNKZ18, ZXC16]. **Search-Based** [ABHPW10, CNKM19, HM10b, KKS+14, KMD15, MHL+12, RRS19]. **Searching** [Pre11]. **Second** [GRH13, MOTJ14, MUA13]. **Second-Order** [MUA13]. **Section** [CEM11, GRI10, GPK10, OT12]. **Secure** [BCE+14]. **Security** [BBC+10, EALK+15, FRA+19, GAB+10, LSL+18, PTYN19, SBGM17, SDM14, SJMH+19, TSBB20]. **Seer** [OY16]. **Selection** [BDR+20, CGC19, DNT14, GSWH15a, GKZ+14, HYJY14, LHWZ17, LB10, MAT12, MRD12, POPD15, PKT18, TFB14]. **Self** [BG11, ByBEM15, CWG+18, CB17, CKMR13, EEM13, FTG16, HNM13, HBS+17, dSMST17, RRL+13, YXS+19, NB13]. **Self-Adaptation** [CKMR13, FTG16, NB13]. **Self-Adapting** [ByBEM15]. **Self-Adaptive** [CWG+18, CB17, EEM13]. **Self-Admitted** [dSMST17, YXS+19]. **Self-Aware** [HBS+17]. **Self-Management** [RRL+13]. **Self-Organizing** [HNM13]. **Self-Supervising** [BG11]. **Semantic** [ABB+18, LZRC18]. **Semantically** [DPS12, ZNKZ18]. **Semantics** [Cha10, DFG16, LGN12, LMW+17, MS18]. **Semantics-Based** [LMW+17]. **Semi** [BWB12, KDO14, VBP12, CTZ11]. **Semi-Automated** [BWB12]. **Semi-Automatic** [VBP12, KDO14]. **Semi-Proving** [CTZ11]. **Sensitive** [CDF14, HLP10]. **Sensitivity** [FTG16, NRDB17]. **Sensor** [MPO+19]. **Sequence** [AGI+13, Arc12, YM10]. **Sequence-Based** [YM10]. **Sequences** [DSSP17, HT16, TZL+15]. **Sequential** [TLZ+18]. **Series** [DMTR10, MBLD11, RDT+10]. **Server** [GIT17]. **Service** [CGK+11, CGMM16, CCG+12, CKKR12, FFM+10, HHY+14, HYJY14, HZZ+17, KKRD12, LB10, LLL+18, MPS12, MRD12, PMG19, PR11, SRE10, SZ10, TFB14, WWY+17, WHY18, ZSDS13, NB13]. **Service-Based** [CGK+11, FFM+10, HHY+14, HYJY14, HZZ+17, SZ10, WHY18, NB13]. **Service-Level** [SRE10]. **Service-Oriented** [CCG+12, PR11, WWY+17]. **Services** [ABP12, CB17, CDGC12, DPS12, MRD12, PSB+17, SRE10, SZ10]. **Serving** [DBF+16]. **Session** [JGP13]. **Sessions** [KRX11]. **Set** [LLHF17]. **Settings** [BSH+18]. **Severity** [HKS12]. **Shape** [SZF+17]. **Shared** [ADG16]. **Shared-Memory** [ADG16]. **Shortest** [BDR+20]. **Shortest-Path** [BDR+20]. **Should** [KWK+11, KTKZ13, Nus10c, dSR11]. **Side** [MSCC13, OBPM17]. **Sighted** [ARM18]. **Signing** [Nus14]. **Similarity** [HPP+14, LMW+17]. **Simplifying** [MPO+19]. **Simulation** [BMB+15, LL14]. **Simulator** [MLS+14]. **Simulink** [BDM18, MNBB19]. **Single** [BSM11]. **SITAR** [GCZM16]. **Site** [KPJ+16]. **Situated** [DSB14]. **Six** [BJGB10]. **Size** [LH12, MAT12]. **Size-Constrained** [MAT12]. **Sketches** [MLPvdH15]. **Skill** [BSD14]. **Slice** [YZL+15]. **Slice-Based** [YZL+15]. **Slicing** [ACH+13, HLP10, LM11, LZRC18, TSBB20, WZ11]. **Smart** [CWW+14, CGC19]. **Smartphone** [LXCL14]. **Smell** [LMSN12, LLNL16, PPZ+18, PZF+19, TPB+17]. **Smell-Aware** [PZF+19]. **Smells**

[DSSP17, KKS⁺14, MGDL10, PBP⁺15, PPZ⁺18, SYA⁺13, SE13, TPB⁺17]. **SMT** [CFMS12]. **SMT-Based** [CFMS12]. **SOA** [YJ13]. **Social** [BCB⁺17, LF12, PMM18, SZF⁺17]. **Society** [Ano10o, Ano12n, Ano10b, Ano11q, Ano11r, Ano12m]. **Socio** [CEM11, KSD11]. **Socio-Technical** [CEM11, KSD11]. **Soft** [BTEGF12]. **Soft-Task** [BTEGF12]. **Software** [ABM19, ABG⁺13, AGA13, ACDO12, Ano15a, Ano17a, Ano18a, Ano19a, AKL13, ABL14, Arc12, AI12, BH13, BHM⁺15, BBD17, BJGB10, BKP⁺18, BSL⁺13, BMP18, BSH⁺18, BBL⁺11, BVD15, BP16a, BP16b, BPHB19, ByBEM15, BSM11, CXK⁺19, CWG⁺18, CMSSS13, CEM11, CH13, CC15, CGMD19, CYH⁺11, CZ13, CT13, CB17, CNKM19, CDT⁺18, CCP13, COLY15, CKMR13, CFMS12, CPR16, CSV11, DVMB12, DVB13, DS11, DLWF19, DBF⁺16, DR16, Dwy17, Egy11, EEM13, FdS20, FDM18, GWT⁺14, GRI10, GMM19, GPU⁺16, GPK10, GRH13, HBB⁺12, HWM18, HM10a, HMC19, HKS12, HA16, Hat14, HSH⁺12, HPP⁺14, HNM13, HPSW16, IML13, JJW⁺15, JH15, JG11, JG12, KBZ⁺19, KKS⁺14, KGRX12, KKK11, KZDB18, KSD⁺13, KMD15, KSD11, LNF12, LED13, LNH⁺16, LAH⁺14, Li12, LLHF17, LZRC18, LBK⁺15, LB10, LL14, LH12, LP13a]. **Software** [LP13b, LKS10, LGS13, LLC⁺16, LMW⁺17, LMZP19, LCG⁺18, LYC14, MSKM10, MMR12, MLPvdH15, MTHG15, MPS17, MSJ⁺17, MFL⁺16, MB14, MA13, MDB13, MS10, MBEN15, NCDM13, NWCS20, NNP⁺12, NZ16, OT12, PR11, PSA13, PBS⁺18, PHLW18, POM13, PRT10, PSB⁺17, PBM⁺19, PC10, PHY11, Ral19, Ram14, RK14, RK19, RRS19, RM17, RHB⁺12, SBGM17, SPA⁺17, SFH⁺17, SWHJ14, SDdS16, SMBY16, SSSM13, SBH14, SHB18, SBWM18, SMWO11, SSP18, SJS⁺11, SGS19, SCF19, SZF⁺17, TZM⁺17, TMHM16, TDD14, TZL⁺15, TLZ⁺18, TWL13, TS12, TRD15, TMK15, UGI⁺12, UKB10, VBP12, VAJ16, WZX⁺13, WYZ⁺18, WDS10, WGL⁺16, XZH⁺15, YHW20, ZB12a, ZHMZ17, ZXC16, dBFP⁺13, KMK⁺13]. **Software-Based** [BBL⁺11, LP13a, LP13b]. **Solutions** [BKML14, EB10, RNP13]. **Solvers** [NZ16]. **Solving** [BBL10, TSBB20, XJRL12]. **Some** [SSSM13]. **Soon** [Ano12n, Ano12x]. **Sound** [Cha10]. **Source** [BCB⁺17, DDO11, FRGCH20, FCR⁺17, KGM⁺16, LL14, MM16, MGP⁺12, PMM18, RT12, RCKH16, RLMM15, Sha10, SSP18, UR18]. **Sources** [LJZ⁺19]. **Space** [AL10, MHZBN15]. **Spaces** [BTS17, BPHB19, CXK⁺19, NM14, Zav17]. **Sparse** [SYX14]. **Special** [CEM11, GRI10, GPK10, HM10a, Nus10c, OT12]. **Specialising** [PHLW18]. **Specialized** [XLD⁺17]. **Specific** [ACDO12, AA11, BGRJ16, GH13, MFL⁺16, MVDS20, MRD12]. **Specification** [AGL⁺15, BBA⁺15, DKM⁺12, DCMS14, HBC13, LW12, LSL⁺18, LCNM12, MMPT19, MLS⁺14, MGDL10, PMG19]. **Specification-Based** [LCNM12]. **Specifications** [GHL⁺13, NSC⁺12, NZ16, PSB⁺17, SCP14]. **Specifying** [LGN12]. **Speed** [RHB⁺12]. **Spreadsheets** [CFMS15, DXCW17]. **Stability** [ACCA15]. **Stack** [CK15]. **Staffing** [CZ13]. **Stage** [ABD⁺16, KWK⁺11]. **Stakeholder** [IRBW16]. **StakeRare** [LF12]. **STAR** [CK15]. **Starts** [TPB⁺17]. **Startup** [GPU⁺16]. **Starvation** [SBL12]. **State** [AL10, ACH⁺13, AKD⁺10, Dwy15, Dwy18, HT16, Hie17, KZDB18, Kra10, Med19, MBLD11, Nus11a, Nus12, Nus13c, Nus14, WSW⁺15, YM10]. **State-Space** [AL10]. **Statecharts** [EALK⁺15]. **Statement** [XMD⁺17]. **Static**

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Textual [PPZ⁺18]. **Their** [BLZ⁺19, BLZ⁺20, CMCS12, CH13, CCS⁺13, SER⁺10]. **Theoretic** [HPSW16].
Theoretical [AIB12, Arc12, HM10b, SBWM18, SYB18].
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V [CRV11]. **V-Model** [CRV11]. **Validating** [MUA13]. **Validation** [ABD⁺16, BSD14, CFMS15, LMP14, TMHM17, dCBGU12, Her17]. **Validity** [SMJ19]. **Value** [KMK12, LHWZ17, SYX14]. **Value-Flow** [SYX14]. **Values** [JJW⁺15]. **Variability** [BSL⁺13, CCS⁺13, GWT⁺14, IRBW16, KDO14]. **Variability-Intensive** [CCS⁺13]. **Variable** [MHL⁺12]. **Variables** [KPJ⁺16]. **Variant** [NSC⁺12]. **Verification** [CPV13, CGC19, DCMS14, FTG16, GRPF13, GAB⁺10, HMC19, HJG11, LSL⁺18, LAL⁺14, LCNM12, MVDS20, PC10, VDC17, ZCW15, ZKZ10]. **Verifying** [BGM11, Cha10, CCS⁺13, KA11, LCL⁺13, MDB13, SHCX16]. **Version** [BGMM17, LZRC18, PBP⁺15, SSP18]. **versus** [MBK⁺13, MBC⁺13]. **Very** [WGC⁺16]. **via** [BDR⁺20, BOG⁺14, CL16, CK15, DDO11, FCC13, FTG16, HLP10, KNGW13, Kim14, KPJ⁺18, LCL⁺13, MBEN15, SWHJ14, TWL13, WWY⁺17, WYZ⁺18, WZ11, XCZ⁺19, YJ13, YYG⁺18]. **Video** [Ano12v, BXXL19, PBM⁺19]. **View** [LKKS15]. **Viewpoints** [SGH10]. **Violation** [LPZ12, SHCX16]. **Violations** [BG18, BLZ⁺19, BLZ⁺20, LYJC11]. **Virtual** [CGMD19]. **Visibility** [Dwy17]. **Visual** [DSSP17, GHL⁺13]. **Visualization** [CZvD11, WGC⁺16]. **Visualizations** [WGC⁺16]. **Vol**

[Ano15a, Ano17a, Ano18a, Ano19a].

Voronoi [STM13]. **Voting** [BBC⁺10]. **VT** [BXXL19]. **VT-Revolution** [BXXL19].

Vulnerabilities

[DBM19, JPAB19, SMWO11, SJMH⁺19].

Vulnerability [ANC⁺10, MN14, TSBB20].

Vulnerable [SWHJ14].

Walks [ZJ12]. **WAM** [KRX11].

Warehousing [SRS12]. **Watching**

[BXXL19]. **Way** [LMSN12]. **Weakest**

[LLC⁺16]. **Web**

[JPAB19, SPTRC18, TSBB20, AKD⁺10,

ADTP12, JGP13, MSCC13, MvDR12,

MMP15, Pre11, RDT⁺10, SRZ15, SE13].

Weight [WLX⁺16]. **Weighted**

[WYZ⁺18, KRX11]. **Where**

[KTKZ13, LYJC11, NBKC15]. **Whether**

[TPB⁺17]. **Which**

[KWK⁺11, LR12, LP13b]. **Whiteboard**

[MLPvdH15]. **Whitening** [YJ13]. **Who**

[ZM15]. **Whole** [FA13, HYH⁺17].

Whole-System [HYH⁺17]. **Whom**

[dSR11]. **Whose** [dSR11]. **Will** [ZM15].

Wireless [MPO⁺19]. **Wise** [HPP⁺14].

Within [JWDX17, PMR11].

Within-Project [JWDX17]. **without**

[Hie17]. **Work** [CRV11, MBM⁺17, TS12].

Workflow [SRZ15]. **Workflows** [LYJC11].

Workload [CKKR12]. **Workloads** [JGP13].

World [BBC⁺10, YWHH19]. **Worse**

[LP13a]. **Writers** [Nus10d].

XML [JPAB19].

yourself [Ano11j, Ano11i].

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