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## Title word cross-reference

*N* [RKBL19]. *z* [LCZL14].

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

**19** [FSZ+22].

**2.0** [DKD21]. **2002** [Ano02]. **2013** [HP15].

**Abandoned** [KCAS23]. **Abbreviated** [SRTR17]. **ABC** [SF18]. **Able** [HNRA20]. **Abstract** [PSZ21, XMA+14, Jac95a, Pon02]. **Abstracting** [Gun00]. **Abstraction** [AEK+16, ZNZ+23, CF03, Egy02]. **Abstractions** [PSZ21, BG98, DBGU13]. **Academia** [MS22]. **Accelerating** [MUB+23]. **Acceleration** [LHX21]. **access** [BDL06]. **Accessibility** [BXL+22]. **accommodates** [YHR92]. **Accounting** [SM12]. **Accuracy** [ASNB19, CWW+20, ODE21]. **Accurate** [HSB+23]. **Achieving** [BJMH02, HAB13, LBZ14]. **Acknowledgement** [ACM05]. **ACM** [NP08]. **across** [CSV13]. **action** [HN98]. **Active** [ASNB19, MS15]. **ActivFORMS** [WI23]. **Activities** [SHLW21, WFW+20]. **Activity** [KS22, Esh06]. **Activity-Based** [KS22]. **activitycharts** [BRG+01]. **Ada** [Di193, Di197, DBDS94, YTL+95]. **ADAM** [GL14]. **adapt** [DPT13]. **Adaptation** [SEM17]. **Adaptive** [BS16, CLBY18, DR11, RPT+22, SMBO21, ZA22, HWH14, VTA04, WI23]. **Addendum**

[HT98]. **Address** [Zav04]. **Addresses** [ZWGX22]. **Adequacy** [GRS<sup>+</sup>16, KFY23, KSD08]. **Adequate** [GGZ<sup>+</sup>15]. **Admitted** [RXX<sup>+</sup>19, GLL<sup>+</sup>21]. **adopting** [SAB<sup>+</sup>14]. **Adversarial** [KL21, ZZS<sup>+</sup>22]. **Affected** [VCF21]. **against** [EWS14, IC14]. **agents** [MPR06]. **Aggregation** [SPAS21]. **aggregator** [BPT10]. **Agile** [Rus21, CF10]. **agnostic** [DLSC23]. **AI** [MFBF<sup>+</sup>22, OHDB92]. **AI-based** [OHDB92, MFBF<sup>+</sup>22]. **Aide** [PWB23]. **Aide-mémoire** [PWB23]. **aided** [SB06]. **AIOps** [LJL<sup>+</sup>20, LLS<sup>+</sup>21, LRL<sup>+</sup>22]. **algebra** [ZB13]. **Algebraic** [SZH<sup>+</sup>19, HRD08, PPP94]. **algebras** [BCD02]. **algorithm** [BS07, YHR92]. **Algorithms** [DBNG15, ARL<sup>+</sup>15, HT17, HT98, HVT98, KK93]. **aliasing** [FYD<sup>+</sup>08]. **Alignment** [CXH23, UFG14]. **Alignments** [TC20]. **Allocation** [SMBO21]. **alloy** [FPB<sup>+</sup>05, MPP14, Jac02]. **alone** [UGKR22]. **Alphabet** [FDB<sup>+</sup>12]. **Alternative** [TTL<sup>+</sup>21]. **Alternatives** [KDM17]. **American** [FMMB23b, FMMB23a]. **Amoeba** [DCS09]. **among** [GL11]. **Amplification** [PLP<sup>+</sup>23]. **Amplifying** [ZE14]. **Analyses** [CST16, CTA<sup>+</sup>21, RKBL19, LS13]. **Analysis** [AMS<sup>+</sup>18, AEK<sup>+</sup>16, AGRR19, Bjo19, CTC<sup>+</sup>23, CFL<sup>+</sup>16, DG17, EHF20, FCLL21, FTF22, HNRA20, JZL<sup>+</sup>19b, JA22, KJHY22, LKRF22, LCZL14, LHX21, DDGR18, MGTR18, PBCT10, SEM17, SGD15, SLB<sup>+</sup>21, VLJ<sup>+</sup>18, YXK<sup>+</sup>17, YBL15, ZWY<sup>+</sup>21, BP98, BGO<sup>+</sup>14, CS12, CK96, CK99, Cor00, CSX08, DRW96, Dev99, DBDS94, DCCN04, For94, GL14, GM01, GSH97, HKMB<sup>+</sup>14, Hie06, HH95, HZZ13, HT98, HVT98, HN98, LH08, LH02, MRR05, NP08, OO92, PTY95, PGM12, RM03, Rob08, SGG<sup>+</sup>14, Sne96, SRK06, TPT13, WP93, XCKX13, YTL<sup>+</sup>95, YBL13, FPGA07, MVM07]. **analyze** [CFM00]. **Analyzing** [LTX19, OL22, DFG00].

**Anatomy** [SGhWG22]. **Android** [ABC<sup>+</sup>22, GHM18, LVBBC<sup>+</sup>18, PLP<sup>+</sup>23, PGZ<sup>+</sup>20, RMCT22, SLB<sup>+</sup>21, SCL<sup>+</sup>23, WCG<sup>+</sup>21, ZLW<sup>+</sup>21, ZSL<sup>+</sup>22, ZWY<sup>+</sup>21]. **annotation** [KATS12]. **annotation-based** [KATS12]. **Annotations** [IC14, ODE21]. **announcement** [SPAK10]. **Announcing** [Pez23]. **Anomalies** [ZHZ<sup>+</sup>21]. **Ansible** [RRPW21]. **Answer** [GXLG21]. **answering** [KM10]. **Anti** [MS22]. **Anti-patterns** [MS22]. **Apache** [FAP22, MFH02]. **API** [Arc19, ARG17, SIB23, UKR21, ZWY<sup>+</sup>21]. **APIRO** [SIB23]. **APIs** [AG22, MZA22, SPK14, ZA22]. **App** [Cai20, CCH<sup>+</sup>21, GZX<sup>+</sup>22, JZL<sup>+</sup>19a, NPB22, WCG<sup>+</sup>21]. **APPL** [SHO95]. **APPL/A** [SHO95]. **Applicability** [RFR23]. **Applicable** [VHNF22]. **Application** [DBDS94, MFLL12, MS15, ZE14, LH02]. **Applications** [CGPP15, DG17, ETM22, GTD21, KAT12, LCL<sup>+</sup>23, MBH<sup>+</sup>17, NBB15, YXM<sup>+</sup>23, ZOJH21, BM07, BCFM06, CPPRM03, CDP04, GGLT07, MZ09, MGMM11, PWX14, PBCT10, SS06, WGS07, XM07]. **Applying** [FLM<sup>+</sup>98, FTF22]. **Approach** [ASN19, BCG21, BZSW14, BMM<sup>+</sup>17, BLBB23, BSA22, CLL<sup>+</sup>22, CSW21, DL11, FDC<sup>+</sup>21, GXSC21, HZZ<sup>+</sup>14, HB22, MFLL12, LDUD13, SMBO21, TCDZ19, WI23, YB20, YBL13, ZSL<sup>+</sup>13, CTCC98, CRST12, CPPRM03, DFB99a, DFB99b, DvdHT05, DPT13, DF94, FK96, FPB<sup>+</sup>05, Hen97, LASL13, MZ09, OHDB92, QRLV12, TD01, ZZL<sup>+</sup>06]. **Approaches** [ABC<sup>+</sup>22, XL20, YHC13]. **approximation** [JGB12]. **Apps** [CCH<sup>+</sup>21, LVBBC<sup>+</sup>18, PLP<sup>+</sup>23, RMCT22, SLB<sup>+</sup>21, SCL<sup>+</sup>23, ZSL<sup>+</sup>22]. **APTL** [WME93]. **Architecting** [BCD02, YBZK21]. **Architectural** [CSW21, MFLL12, AG97, AG98, LWF03, RVMRM04]. **Architecture** [AMGBK22, BNB14, HWH14, SMBK22, ZCT18, AAG95, BCC92, DvdHT05, GL14].

**Architecture-centric** [HWH14].  
**Architecture-Implementation** [ZCT18].  
**Architecture-Level** [BNB14].  
**Architectures** [SBMK21, MRRR02]. **Aria** [DRW96]. **Arithmetic** [GXSC21]. **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** [GCX+22, SZH+19, BTI14]. **Assembly** [AM04]. **Assessing** [ACF97, Cai20, CXH23, RST+14, VBZ+18, YHL+22]. **Assessment** [CMM+15, LWWM22, GJ08, PJRR10, SR05, Wey96]. **assigned** [BHL11]. **Assignments** [AFY+22]. **assistance** [GN93]. **assume** [CAC08]. **assume-guarantee** [CAC08]. **Assumptions** [HGW+16, IWY00]. **ASTOOT** [DF94]. **Atomic** [Liu22]. **Atomicity** [MWP+21]. **aToucan** [YBL15]. **Attack** [WWZ+22, YXM+23]. **Attacks** [AMGBK22, EWS14, WCB+20]. **attribute** [KK93]. **Attributes** [RFR23, GL14]. **Augmenting** [DPB17, GCX+22]. **Author** [Ano96, TAW95]. **Autoencoder** [CCX+20]. **Automated** [Arc19, AG20, ASNB19, BLBB23, CSW21, Egy02, FA14, FSM+15, GM01, GN93, HJL96, HAB+20, HCW+22, JO15, LKRF22, DGD+19, MZA22, MS14, NPB22, PGZ+20, RKBL19, STGR21, SIB23, TM14, WB13, WC23, YBL15, ZSL+22, ZSW+22, BGO+14, CS12, CAC08, FN03, FRB+06, TBS92, XM07, XM08]. **Automatic** [CGPP15, CF03, DSV03, MGTR18, NBMK22, UKR21, BRRP05, DO93]. **Automatically** [CMM+15, CDKP21, Mem08, YJW+20, LS13]. **Automating** [GZX+22]. **Automaton** [EM18]. **Autonomous** [AMV23, FDC+21]. **Avoiding** [Hie06]. **Aware** [HGC+22, KAT12, LWWM22, MS15, VLJ+18, WYW+22, CYA22, DFB99a, DFB99b, MGMM11, WYMW20, WXL+21].  
**B** [SB06]. **back** [Not13]. **Based** [AB12, ARL+15, ASMP16, AFHC22, BMM+17, BC23, CLL+22, DDE11, GZX+22, GGZ+15, JZL+19b, KS22, LXL+22, LHX21, MWP+21, MFBB+22, OKS+16, SMBO21, SGD15, SVDHB23, TLP+22, TSPRC18, WB13, YXK+17, ZA22, ZLW+21, ZWY+21, AAP+20, AG22, ABC+22, AVAS23, BGdV92, BCTW96, BT22, CMP13, CDSM10, CY11, CCX+20, CL23, Cia93, CMCP+99, CPPRM03, CW98, CZ19, DBGU13, DBPU13, GGGU21, Ham09, HAB13, KATS12, KKLS02, KKP+22, Kip92, KK04, Kuh99, LY05, LH08, MMST14, Mem08, MB07, MS03, MG00, MPF14, NLR11, OPK+21, PBO07, PZS+20, QNR13, RXX+19, RKBL19, SS06, SGE00, SB02, Sne96, TZZ09, TPT13, THHB06, TD01, TK02, UKM04, WAF00, WXL+21, WI23, XM07, XCKX13, XL20, YHC13, ZYL+23, ZZX+21, OHDB92]. **Baseline** [SP18, WOM15]. **Bash** [DLT+23]. **basis** [AG97, AG98]. **Bayesian** [FTF22, PLM15, SMY19]. **BDD** [LH08]. **BDD-based** [LH08]. **Be** [CL23]. **Behavior** [FDB+12, DDGR18, MAKM22, SS02, DBGU13, LK14, MG00, PP93, UKM04]. **Behavior-consistent** [SS02]. **Behavioral** [CZ19, GLFW22]. **behaviors** [IWY00]. **Belief** [BMC+23]. **benefits** [LH08, MC08]. **Better** [LWWM22, YB20]. **between** [CXH23, Gum00]. **Beyond** [GWD+21]. **Bilevel** [SKBD14]. **Binaries** [JPS22]. **BIP** [ABB+18]. **BiRD** [JPS22]. **Black** [PGZ+20, RMCT22, CTCC98]. **Black-box** [PGZ+20, RMCT22]. **Bloat** [NWB+18, XMA+14]. **Blockchain** [AMGBK22, YBZK21, ZOJH21]. **Blockchain-Powered** [ZOJH21]. **Boa** [DNRN15]. **Bookkeeping** [HSB+23]. **Boolean** [CCX11, KB07]. **Boosting** [CS22, GXLG21]. **Bootstrap** [SMY19]. **Bot**

[RCAH23]. **bound** [CM08]. **Boundaries** [CSV13]. **boundary** [Hie06]. **Bounded** [PMS13]. **box** [PGZ<sup>+</sup>20, RMCT22]. **Brain** [VBZ<sup>+</sup>18]. **Breaking** [BKHT21, CAC08]. **Brutus** [CJM00]. **Buddy** [ZWX22]. **Budget** [SMBO21]. **Bug** [AFHC22, KKP<sup>+</sup>23, LRCS14, TWB<sup>+</sup>19, ZSL<sup>+</sup>22, AM11, CSX08]. **Bug-Fixing** [TWB<sup>+</sup>19]. **Bug-report-driven** [KKP<sup>+</sup>23]. **Bugs** [AMS<sup>+</sup>18, DLT<sup>+</sup>23, ZSL<sup>+</sup>13, Jac95a]. **Building** [ELN<sup>+</sup>92, WWZ<sup>+</sup>22, KKLS02]. **Business** [LDUD13, DCS09, ODV<sup>+</sup>09]. **Bytecode** [SVDHB23].

**C** [BCGB21, CWM<sup>+</sup>20, DLRA15, SRTR17]. **C/C** [BCGB21, DLRA15]. **Cache** [WCB<sup>+</sup>20]. **CafeOBJ** [RO18]. **Calculus** [EW11, DSV03]. **Call** [ARL<sup>+</sup>15, ARG17, MNGL98]. **calls** [BHR95, MM13]. **Can** [CL22, CL23]. **capabilities** [TS09]. **capability** [Kuh99, TK02]. **Cars** [BKD<sup>+</sup>23]. **Case** [Arc19, AVAS23, CXH23, EM15, FTF22, HZZ<sup>+</sup>14, OKS<sup>+</sup>16, RFR23, RPT<sup>+</sup>22, SMBO21, SMBK22, YBL15, ZOJH21, ZMM<sup>+</sup>16, BJMH02, CD98, DO93, HAB13, MFH02, PSV01, SCK13, TBS92, YBL13]. **Cases** [BKD<sup>+</sup>23, CMM<sup>+</sup>15, IC14, TLP<sup>+</sup>22]. **Catalog** [YBZK21]. **Categorical** [BLBB23]. **Category** [CXH<sup>+</sup>21, YKY<sup>+</sup>23]. **Causing** [NL11]. **centered** [ACF97, CDFG96]. **Centralised** [Hie14]. **Centrality** [ZCT18]. **centred** [LASL13]. **centric** [HWH14]. **Certificate** [NWZ<sup>+</sup>23, TCDZ19]. **CFL** [LHX21]. **CFL-Reachability-Based** [LHX21]. **chaining** [FK96]. **Challenge** [XCS<sup>+</sup>22]. **Challenges** [XVN22, YXL<sup>+</sup>22]. **Change** [LWWM22, YQTR15]. **Changes** [BKHT21, DR11, DPB17, WHP<sup>+</sup>23, PSV01]. **Channel** [EWS14, KJHY22, GZSW19]. **characteristics** [CF10, SM12]. **Characterization** [SGHM23]. **Characterizing** [XLW<sup>+</sup>22]. **Charts** [RGS12]. **Chats** [CDKP21]. **Checker** [MWP<sup>+</sup>21, WYMW20, SGE00]. **Checking** [ALMS22, BHB16, CK99, EBE<sup>+</sup>14, DDGR18, dFLSV14, BS07, BRRP05, BGL00, CDEG03, Esh06, FM94, FGMP03, HJL96, IWY00, JGB12, KATS12, KF07, NEFE03, PBO07, PMS13, SGL12, SMAC08, WGSD07, XCCY10]. **checkpoint** [CY11]. **Chef** [RRPW21]. **Chief** [Pez19d, Ros19]. **Choice** [EW11]. **Cities** [FSZ<sup>+</sup>22]. **Class** [AB23, DLY<sup>+</sup>23, BM13, CTCC98, CTC01, CCX11, Egy02, LY05, PPP94, ZXLC14]. **class-level** [CTCC98]. **Classes** [AB12, VCF21, GRT09, HRD08, KB07, Kuh99, Pon02, Tiw08, TK02]. **Classification** [WCG<sup>+</sup>21, DFB99a, DFB99b]. **Classified** [WCG<sup>+</sup>21]. **Classifying** [ETM22, OSH04]. **cleanroom** [TBS92]. **Clematis** [ASMP16]. **Client** [MS14]. **Client-State** [MS14]. **Clone** [DER10]. **Clones** [YHL<sup>+</sup>22]. **Cloud** [LJL<sup>+</sup>20]. **cluster** [CTC01]. **cmath** [BCGB21]. **Co** [LSH23, MS22, VD13]. **Co-creation** [MS22]. **Co-evolution** [LSH23]. **co-installability** [VD13]. **coarse** [BRR01]. **coarse-** [BRR01]. **Code** [BXX<sup>+</sup>20, BFFG19, BC23, CXH<sup>+</sup>21, DLSC23, DLT<sup>+</sup>23, DNRN15, FTF22, GXG<sup>+</sup>20, GGH<sup>+</sup>23, HNRA20, HZBS14, HAB<sup>+</sup>20, HCW<sup>+</sup>22, KS20, KKP<sup>+</sup>22, KJHY22, LWWM22, LLZ<sup>+</sup>22, LXL<sup>+</sup>22, MB15, OSD<sup>+</sup>23, OKS<sup>+</sup>16, PZS<sup>+</sup>20, PGZ<sup>+</sup>20, PLM15, SKBD14, SBBL23, SGR<sup>+</sup>15, SRTR17, SURL11, SED14, WLS<sup>+</sup>20, XVN22, YJW<sup>+</sup>20, YKY<sup>+</sup>23, YHL<sup>+</sup>22, ZYL<sup>+</sup>23, ZE14, ZZS<sup>+</sup>22, Dev99, DER10, FMMH<sup>+</sup>14, MPG<sup>+</sup>13, PRM01, RM07, SGG<sup>+</sup>14]. **Code-Comment** [YKY<sup>+</sup>23]. **Code-Smell** [SKBD14]. **Coded** [IC14]. **CodeMatcher** [LXL<sup>+</sup>22]. **Cognitive** [FDC<sup>+</sup>21, SHLW21]. **Cohesion** [AB12, CBRO16, CSC06, KK04, MB07]. **coincidental** [Hie06, MA14]. **Collaboration** [MS22, Sin10, SB02]. **collaboration-based** [SB02].

**collaborations** [HWH14]. **collection** [TM14]. **Collective** [PWB23]. **Collegiate** [MAKM22]. **Combating** [NWB<sup>+</sup>18]. **Combatting** [LCL<sup>+</sup>23]. **Combinatorial** [NL11]. **Combining** [DBNG15, Hie14, SMAC08, XZZL18]. **Commands** [YZP<sup>+</sup>22]. **Comment** [CXH<sup>+</sup>21, WHP<sup>+</sup>23, YKY<sup>+</sup>23, ZZS<sup>+</sup>22]. **Commenting** [WHP<sup>+</sup>23]. **Comments** [Bre95, Pet97, WHP<sup>+</sup>23, ZWCH21]. **Commercial** [ZMM<sup>+</sup>16]. **Commit** [WXL<sup>+</sup>21]. **Commitments** [EBE<sup>+</sup>14]. **Commits** [ZSW<sup>+</sup>22]. **Common** [MGP<sup>+</sup>22]. **communicating** [Bro93]. **Communication** [CCY<sup>+</sup>21, ZQS<sup>+</sup>23]. **Communities** [ZMM<sup>+</sup>16]. **Community** [DR15]. **Companies** [ZLT<sup>+</sup>22]. **comparative** [BRR01]. **Comparing** [Hie02, PSW<sup>+</sup>20, YHC13, XM07]. **Comparison** [WB13]. **Comparisons** [GGZ<sup>+</sup>15]. **Competition** [MAKM22]. **Competitiveness** [YXK<sup>+</sup>17]. **Compiler** [CS22, MHK11, DFG00]. **Complete** [MWP<sup>+</sup>21, XL20]. **Completion** [MUB<sup>+</sup>23, PLM15, WYMW20]. **Completion-aware** [WYMW20]. **Complex** [BS16]. **Component** [SEM17, BCC92, CMP13, Ham09, IWY00, VD13]. **component-based** [CMP13]. **components** [BO92, CFM00, DFB99a, DFB99b, ZW97]. **Composing** [BLW09]. **Composite** [BGL00, KDM17]. **Composition** [Ost99, Ham09, REM<sup>+</sup>04, ZJ93]. **Compositional** [HGW<sup>+</sup>16, CK96, CK99]. **Comprehensibility** [SGR<sup>+</sup>15, SGG<sup>+</sup>14]. **Comprehension** [BC23, MTRK14, RST<sup>+</sup>14, OSH04]. **Comprehensive** [GLL<sup>+</sup>21, DvdHT05]. **Computing** [BPSSA<sup>+</sup>22, LJL<sup>+</sup>20, OHDB92, TC20, EF05, FGL<sup>+</sup>12, MZ09, RMP97, XCCY10]. **Concept** [PGM12, Sne96]. **Concepts** [DG17, MG00, SGL12]. **Conceptual** [QT12, TZZ09]. **Concerns** [MVM07, RM07].

**Concurrency** [MQLR16, ZSL<sup>+</sup>13, DL13, YTL<sup>+</sup>95]. **Concurrent** [AGRR19, MNB<sup>+</sup>22, Cor00, DKM<sup>+</sup>94, DCCN04, HZZ13, MRK<sup>+</sup>97, PTY95]. **Conditional** [EBE<sup>+</sup>14]. **conditions** [KB07, SRK06]. **ConE** [MNB<sup>+</sup>22]. **Conference** [MP14]. **Configurable** [AMS<sup>+</sup>18, CGZ23]. **Configuration** [BNB14, ELvdH<sup>+</sup>05, Gun00, Jéz99]. **Configurations** [SYA21, ZKW<sup>+</sup>23a, ZKW<sup>+</sup>23b, Sne96]. **Configuring** [XZZL18]. **Conflict** [BFFG19, ZSHD20, FN03]. **Conflicts** [SGHM23]. **Conformance** [ZCT18, Ber94, LK14, PBO07, Pet97]. **confounding** [ZXLC14]. **Conjunction** [ZJ93]. **ConMem** [ZSL<sup>+</sup>13]. **connection** [AG97, AG98]. **connectors** [LWF03]. **Consent** [RBPG23]. **Considered** [XCS<sup>+</sup>22]. **Consistency** [SEM17, HJL96, NEFE03, PBO07, XCCY10]. **Consistent** [LRL<sup>+</sup>22, SS02]. **Consolidation** [LDUD13]. **constrained** [BM13, WRD<sup>+</sup>22]. **Constraint** [DBNG15, GWD<sup>+</sup>21, SSB20, XCCY10]. **Constraints** [CZ19, DDMM22, MWK15, QT12, SGD15, CY11, CK96, OO92]. **constructing** [Hen97]. **Construction** [ARL<sup>+</sup>15]. **Constructs** [KS20]. **Consumption** [LVBBC<sup>+</sup>18]. **container** [XR13]. **containing** [CFM00]. **Context** [CK96, KAT12, LWWM22, LHX21, WXL<sup>+</sup>21, WYW<sup>+</sup>22, KGA<sup>+</sup>12, LH08, XCCY10, vdBV96]. **Context-** [WYW<sup>+</sup>22]. **Context-Aware** [KAT12, LWWM22, WXL<sup>+</sup>21]. **context-free** [KGA<sup>+</sup>12, vdBV96]. **context-sensitive** [LH08]. **Contextual** [GZX<sup>+</sup>22]. **Continuous** [BZSW14, SMBK22]. **Contract** [YABLR20, ZOJH21]. **Contracts** [AGHC<sup>+</sup>22, CXLG22, HSB<sup>+</sup>23, YQTR15]. **Contributions** [KCAS23]. **Contributor**

[KCAS23]. **Contributor-Abandoned** [KCAS23]. **Control** [BHB16, CH21, HB22, KAS20, VHNf22, BDL06, DL13, MMST14, MU00, SHR01, TBS92]. **Control-flow** [HB22]. **Controlled** [FSM<sup>+15</sup>, PSZ21, BFN<sup>+14</sup>]. **controllers** [DBPU13]. **controlling** [HGS93]. **Conventional** [DLSC23]. **cookie** [TM14]. **cooperative** [HE13]. **Coordinating** [Cia93]. **coordination** [CFM00, MU00, MPR06, Tiw08]. **CORBA** [CPPRM03]. **CORBA-based** [CPPRM03]. **corners** [ZJ97]. **Correctness** [AB23, LWWM22, TLP<sup>+22</sup>, Hie06, MA14]. **Correlating** [HCW<sup>+22</sup>]. **Correlations** [GL11]. **correspondence** [CW99]. **Corrigenda** [DFB99a]. **Cost** [CST16, FCLL21, NPB22, ZOJH21, ATW94, Bre95, REM<sup>+04</sup>, Wey96]. **Cost-Effective** [ZOJH21, FCLL21, NPB22, REM<sup>+04</sup>]. **Cost-Effectiveness** [CST16]. **Countermeasures** [EWS14]. **Coupling** [CBRO16, KK04, MB07, Off92]. **Coverage** [GRS<sup>+16</sup>, GGZ<sup>+15</sup>, GSYT21, MWK15, MB20, NWZ<sup>+23</sup>, PGZ<sup>+20</sup>, SVDHB23, XLW<sup>+22</sup>, YHC13]. **Coverage-Based** [GGZ<sup>+15</sup>, SVDHB23, YHC13]. **Coverage-directed** [NWZ<sup>+23</sup>]. **COVID** [FSZ<sup>+22</sup>]. **COVID-19** [FSZ<sup>+22</sup>]. **CPU** [MPR<sup>+13</sup>]. **Craftsmanship** [SGhWG22]. **Crash** [GWD<sup>+21</sup>, ZSL<sup>+13</sup>, ZSL<sup>+22</sup>]. **Crash-Triggering** [ZSL<sup>+13</sup>]. **Crasher** [CSX08]. **creation** [MS22]. **Criteria** [MWK15, MB20, OKS<sup>+16</sup>, TAA<sup>+19</sup>, Hie02, KSD08, XL20]. **critical** [GM01, MS94]. **Cross** [LLZ<sup>+22</sup>, ZYL<sup>+18</sup>, DCS09]. **Cross-Language** [LLZ<sup>+22</sup>]. **cross-organizational** [DCS09]. **Cross-Project** [ZYL<sup>+18</sup>]. **crosscutting** [SGL12, MVM07]. **Crowdtesting** [WYMW20]. **Crowdworker** [WYW<sup>+22</sup>]. **Crucial** [BPSSA<sup>+22</sup>]. **cryptographic** [DFG00]. **CSCW** [KAT12]. **CSP** [SLD<sup>+13</sup>]. **customizable** [Dev99]. **CVEs** [XCS<sup>+22</sup>].

**Cyber** [CYA22, XTW<sup>+23</sup>]. **Cyber-physical** [CYA22, XTW<sup>+23</sup>]. **Cycle** [VCF21]. **Cycles** [OL22, SS02].

**Dahl** [Ano02]. **dark** [ZJ97]. **DARWIN** [QRLV12]. **Data** [BHB16, BLBB23, CYA22, CCY<sup>+21</sup>, CTC<sup>+23</sup>, DPB17, DLY<sup>+23</sup>, FTF22, GSYT21, HGC<sup>+22</sup>, KDM17, LLS<sup>+21</sup>, NWB<sup>+18</sup>, NBB15, SSB20, TTL<sup>+21</sup>, BCC<sup>+01</sup>, BG98, CW98, FK96, For94, OSH04, TZZ09, WGG13]. **Data-Intensive** [NWB<sup>+18</sup>]. **Database** [MWK15, CF03, PWX14, WGS07]. **Databases** [AG20]. **dataflow** [KSD08]. **Dataset** [YHL<sup>+22</sup>]. **Datasets** [UGKR22]. **Date** [OL22]. **David** [Ros13b]. **DC** [GRS<sup>+16</sup>]. **Deadlines** [DBNG15]. **Deadlock** [ABB<sup>+18</sup>, DBDS94]. **Dealing** [BMC<sup>+23</sup>]. **Debloating** [SVDHB23]. **Debt** [RXX<sup>+19</sup>]. **Debts** [GLL<sup>+21</sup>]. **Debug** [MWP<sup>+21</sup>]. **Debugging** [CMM<sup>+15</sup>, FSP<sup>+13</sup>, JO15, MQLR16, ZNZ<sup>+23</sup>, AM04, HRD08, OSH04, QRLV12]. **Decentralized** [EHF20, ML00]. **Deciding** [SGD15]. **Decision** [HGW<sup>+16</sup>, XLW<sup>+22</sup>]. **Decisions** [AMGBK22, LLS<sup>+21</sup>, AM11]. **Decompiled** [DLY<sup>+23</sup>]. **Decomposition** [BSA22]. **decoupling** [BTI14]. **deduction** [FS93]. **deductive** [GM01]. **Deep** [CYA22, CWW<sup>+20</sup>, CWH<sup>+21</sup>, HGC<sup>+22</sup>, KFY23, LLSM22, LGX<sup>+22</sup>, MPT<sup>+21</sup>, NBMK22, RMCT22, WXL<sup>+21</sup>, WCP<sup>+22</sup>, XLW<sup>+22</sup>, YHL<sup>+22</sup>, ZFL<sup>+22</sup>, ZZS<sup>+22</sup>, ZRGT23, ZZX<sup>+21</sup>]. **DeepWukong** [CWH<sup>+21</sup>]. **Defect** [FAP22, KS20, NXL<sup>+22</sup>, ZYL<sup>+18</sup>, SM12]. **Defective** [VCF21]. **Defects** [AVY11, FAP22, VCF21]. **Defining** [TG23]. **deGraphCS** [ZYL<sup>+23</sup>]. **Degree** [FMMH<sup>+14</sup>]. **Degree-of-knowledge** [FMMH<sup>+14</sup>]. **Delta** [HT98, HVT98]. **Demystifying** [SCL<sup>+23</sup>]. **Denoising** [BXX<sup>+20</sup>]. **Dependence** [FCLL21, PXJ17, Dil97, SHR01, SRK06].

**dependences** [Jac95a, OSH04].  
**dependencies** [BGO<sup>+</sup>14, Gun00, Rob08].  
**Dependency** [RCAH23, SEM17, CY11, GL14].  
**dependency-based** [CY11].  
**dependency-driven** [GL14]. **Deployed** [AVY11]. **Depth** [XCS<sup>+</sup>22, SBBL23, ZXLC14]. **Derive** [YBL15, XM08]. **derived** [IWY00].  
**Description** [Bjø19, DvdHT05, DJ97].  
**Descriptions** [GCX<sup>+</sup>22, JZL<sup>+</sup>19a, AAG95, BAD08, WJ10].  
**descriptors** [DER10]. **DESEN** [KAS20].  
**Deserialization** [SBBL23]. **Desert** [Rei99].  
**Design** [AROK21, AMGBK22, BPT10, CCX<sup>+</sup>20, EK11, LSN<sup>+</sup>23, Liu22, DDGR18, MFLL12, SGR<sup>+</sup>15, BM07, BO92, BRRP05, BFN<sup>+</sup>14, CSC06, CR94, FBC<sup>+</sup>13, FP02, GGLT07, LL00, MRK<sup>+</sup>97, RS09, SS06, SB06, SGR<sup>+</sup>10, YTL<sup>+</sup>95, ZB13]. **Design-Pattern** [SGR<sup>+</sup>15]. **Designers** [CZ19]. **Designing** [BCC<sup>+</sup>01, DL11, XM07, CPPRM03].  
**designs** [SB02]. **Destruct** [CXLG22].  
**Detecting** [AVY11, CWH<sup>+</sup>21, GCX<sup>+</sup>22, DDGR18, MM13, WCB<sup>+</sup>20, YHL<sup>+</sup>22, ZSL<sup>+</sup>13, Jac95a, LS13]. **Detection** [Cai20, CL22, CCY<sup>+</sup>21, EKL<sup>+</sup>19, GHM18, JPS22, LRCS14, MNB<sup>+</sup>22, MS14, NBMK22, RD15, RXX<sup>+</sup>19, SKBD14, UGKR22, WWZ<sup>+</sup>22, XMA<sup>+</sup>14, XGF<sup>+</sup>23, YXM<sup>+</sup>23, ZAW92, ZFL<sup>+</sup>22, ZLW<sup>+</sup>21, ZWY<sup>+</sup>21, FN03, Kuh99, SMT92, TK02, XR13]. **Detector** [ZZX<sup>+</sup>21]. **determination** [OLR<sup>+</sup>96].  
**deterministic** [HT17]. **Developer** [BFFG19, CDKP21, CCY<sup>+</sup>21, EHEZ21, KS22, SHLW21, WFW<sup>+</sup>20, CF10, FMMH<sup>+</sup>14, Sin10]. **Developers** [CXH23, FSZ<sup>+</sup>22, PZS<sup>+</sup>20, PLZ<sup>+</sup>22, YZP<sup>+</sup>22, ZWCH21]. **Developing** [HRD08, TAA<sup>+</sup>19, ZJW03, ZOJH21, MGMM11].  
**Development** [BFFG19, BSA22, CFL<sup>+</sup>16, GTD21, LKRF22, LCS<sup>+</sup>22, MNB<sup>+</sup>22, MS15, TG23, ZCT18, AM11, DvdHT05, EAS08, ELN<sup>+</sup>92, GJ08, KK93, MFH02, PSV01, SCK13, Tiw08].  
**development-oriented** [AM11].  
**deviations** [CDFG96]. **diagnosis** [NLR11].  
**diagram** [BP05]. **Diagrams** [AB23, BM13, Egy02, Esh06, LK14]. **DiaPro** [CST16]. **Differ** [JA22]. **Differential** [MQLR16, NWZ<sup>+</sup>23, TCDZ19]. **DIG** [NKWF14]. **Digraphs** [EM15]. **Dijkstra** [Ano02]. **DIRE** [DLY<sup>+</sup>23]. **Directed** [SDLC23, YPRK14, NWZ<sup>+</sup>23]. **discipline** [KLV05]. **Discovering** [CW98, GL11].  
**Discovery** [Böh18, SPK14, GL14]. **discrete** [Ost99]. **Discussions** [EHEZ21]. **Dissecting** [FMMB23b, FMMB23a]. **Distinguishing** [HT17]. **Distributed** [BLX<sup>+</sup>20, DDI22, FCLL21, GTD21, Hie14, TG11, WME93, KK93, MU00].  
**Distribution** [HGC<sup>+</sup>22, TS09].  
**Distribution-Aware** [HGC<sup>+</sup>22].  
**Diversifying** [MJS<sup>+</sup>21]. **diversity** [HAB13].  
**Do** [CMM<sup>+</sup>15, CXLG22, JA22, LYXC14, PLZ<sup>+</sup>22, SURL11, YZP<sup>+</sup>22, CAC08].  
**Documentation** [CXH23, HCW<sup>+</sup>22, UKR21, TBS92].  
**Documenting** [SGR<sup>+</sup>15]. **documents** [SMT92]. **Does** [CXH<sup>+</sup>21, FSM<sup>+</sup>15].  
**Domain** [ASNB19, Bjø19, BMC<sup>+</sup>23, HZS08, ZE14, BJMH02, BAD08, Hie09, JW94, SS06, ZAW92]. **Domain-specific** [HZS08, BJMH02, SS06]. **domain-testing** [JW94]. **domains** [Hie02]. **Dormant** [FAP22]. **Double** [For94]. **Driven** [CLBY18, DG17, PVHW17, BDL06, GL14, GTD21, KKP<sup>+</sup>23, NPB22]. **driving** [BKD<sup>+</sup>23]. **DSD** [CSX08]. **DSD-Crasher** [CSX08]. **Duplicate** [WYMW20].  
**Duplication** [ZLW<sup>+</sup>21, DER10]. **during** [FSZ<sup>+</sup>22]. **DynAlloy** [FPGA07]. **Dynamic** [CST16, FCLL21, HB22, KMYK19, DDGR18, NKWF14, PXJ17, PSW<sup>+</sup>20, XMA<sup>+</sup>14, CY11, DR10, FC00, FPB<sup>+</sup>05, GSH97, PJRR10].  
**dynamically** [WGSD07]. **Dynamics** [BSA22, KCAS23]. **Dynamite** [MPF14].

**E3** [JPL98]. **Eagle** [LHX21]. **Early** [KDM17]. **Easier** [CMM<sup>+</sup>15]. **Easy** [ZWCH21]. **Ecosystems** [BKHT21]. **Edit** [MNB<sup>+</sup>22]. **editing** [BGdV92]. **Editor** [Pez19d, Ros19]. **Editor-in-Chief** [Pez19d, Ros19]. **Editorial** [DR15, GMRS03, Ghe05, Ghe07, Not07a, Not07b, Not07c, Not08a, Not08b, Not09, Not10, Not12, Not13, OGKW05, Pez19d, Pez19a, Pez19b, Pez19c, Pez20a, Pez20b, Pez21, Pez22, Ros13a, Ros14a, Ros14b, Ros14c, Ros16, Ros17, Ros18a, Ros18b, Ros19, Pez23]. **Edsger** [Ano02]. **Effect** [GRS<sup>+</sup>16, HZBS14, RST<sup>+</sup>14, ZSL<sup>+</sup>13, Off92, Sin10, ZXLC14]. **Effect-Oriented** [ZSL<sup>+</sup>13]. **Effective** [FYD<sup>+</sup>08, RD15, ZOJH21, ZRGT23, CF10, FCLL21, Hen97, NPB22, REM<sup>+</sup>04]. **Effectiveness** [CST16, CMM<sup>+</sup>15, GRS<sup>+</sup>16, MWK15, ODE21, UGKR22, CM08]. **Efficiency** [CMM<sup>+</sup>15, LH02]. **Efficient** [AGR19, AVY11, CWW<sup>+</sup>20, FPGA07, HSB<sup>+</sup>23, SRK06, ZRGT23, ZWGX22, ZNZ<sup>+</sup>23, dFLSV14, RH97]. **Efficiently** [DL11]. **Effort** [KS22, SP18, SMY19, WOM15, AM11, BM07, GJ08, MY13]. **elaboration** [UKM04]. **Eliciting** [JPL98]. **Elite** [WFW<sup>+</sup>20]. **Embedded** [BNB14, MFL12, GGLT07]. **Embedding** [LWWM22, ZYL<sup>+</sup>23]. **Embeddings** [DLSC23, ETM22]. **Emergent** [LBZ14]. **Emoji** [CCY<sup>+</sup>21]. **Emoji-powered** [CCY<sup>+</sup>21]. **Emotion** [CCY<sup>+</sup>21]. **Empirical** [AROK21, AAP<sup>+</sup>20, CWM<sup>+</sup>20, EHEZ21, FSM<sup>+</sup>15, FTF22, GLL<sup>+</sup>21, HGC<sup>+</sup>22, LLSM22, LLS<sup>+</sup>21, MBH09, ODE21, RWEB19, TWB<sup>+</sup>19, UGKR22, VLJ<sup>+</sup>18, YXK<sup>+</sup>17, ZHO<sup>+</sup>18, BM07, BGH07, GHK<sup>+</sup>01, HT98, HVT98, MB07, MC08, MNGL98, SR05, Tiw08]. **Emulation** [DDI22]. **emulators** [MPR<sup>+</sup>13]. **enabled** [VTA04]. **Enabledness** [DBGU13, GGGU21]. **Enabledness-based** [DBGU13, GGGU21]. **End** [ZSL<sup>+</sup>22, Dev99, LASL13]. **End-to-End** [ZSL<sup>+</sup>22]. **end-user** [LASL13]. **Energy** [LCL<sup>+</sup>23, LVBBC<sup>+</sup>18]. **Engineer** [WI23]. **Engineering** [AAP<sup>+</sup>20, CL22, CL23, DG17, DL11, DR15, FTF22, GLFW22, LGX<sup>+</sup>22, MFBF<sup>+</sup>22, MBH<sup>+</sup>17, MP14, OKS<sup>+</sup>16, STS<sup>+</sup>18, SF18, UGKR22, WFF<sup>+</sup>19, WCP<sup>+</sup>22, YXL<sup>+</sup>22, ACF97, CDP04, ELvdH<sup>+</sup>05, KLV05, LASL13, RSB05, SR05, TBS92, UFG14, XL20, ZJ97]. **engineers** [HBB<sup>+</sup>09]. **Engines** [SURL11]. **Enhanced** [YXM<sup>+</sup>23, SS06]. **Enhancement** [HGC<sup>+</sup>22, ZFL<sup>+</sup>22]. **Enhancing** [AG22, TS09]. **Enough** [CBRO16]. **Ensemble** [UGKR22]. **Ensuring** [SEM17]. **Entry** [BLBB23]. **environment** [ATW94, Bre95, FGMP03, Kli93, MRK<sup>+</sup>97, Rei99, RVMRM04, SN92, TY92]. **Environments** [BKD<sup>+</sup>23, ACF97, DHW98, ELN<sup>+</sup>92, KK93, Kli93, MGP<sup>+</sup>13, PJRR10, PWD<sup>+</sup>99]. **equations** [BRG<sup>+</sup>01, KGA<sup>+</sup>12]. **Equivalence** [LH02, MGTR18, DSV03]. **Equivalent** [LCZL14]. **Errata** [AG98]. **error** [Kuh99, TK02]. **errors** [TD01, ZAW92]. **ESP** [Cia93]. **Essential** [SLB<sup>+</sup>21]. **estimates** [GJ08]. **Estimating** [LSN<sup>+</sup>23, MB15, PBU16, BM07]. **Estimation** [CWW<sup>+</sup>20, KS22, PMM<sup>+</sup>99, SP18, WOM15, ZFL<sup>+</sup>22, MY13, TZZ09]. **Estimator** [KS20]. **Ethereum** [CXLG22, WWZ<sup>+</sup>22, ZOJH21]. **evaluate** [MGP<sup>+</sup>13]. **Evaluating** [KFY23, LH08, TAA<sup>+</sup>19, WGG13]. **Evaluation** [AAP<sup>+</sup>20, FMFB23b, FMFB23a, FA14, HCW<sup>+</sup>22, KDM17, MS15, RWEB19, SBMK21, SMBK22, YHL<sup>+</sup>22, ZWL<sup>+</sup>22, CAC08, DBDS94, KK93, MBH09, XCKX13]. **evaluations** [SM12]. **Event** [ASMP16, BCTW96, CW98, DBPU13, Mem08]. **Event-Based** [ASMP16, BCTW96, CW98, DBPU13]. **every** [LYYC14]. **Evolution**



[Cai20, DR11, DKD21, OSD<sup>+</sup>23, LSH23, RM03, RVMRM04, SN92, THHB06, WGG13].

**Evolutionary** [HLL<sup>+</sup>16, YB20, Hen97, MBH09].

**evolvability** [CS12]. **Evolving** [OSD<sup>+</sup>23, DCS09, QRLV12]. **EvoMaster** [Arc19, ZA22]. **EvoSuite** [FA14]. **Exact** [HKMB<sup>+</sup>14]. **Examination** [ZYL<sup>+</sup>18].

**Examining** [MAKM22]. **Example** [LKRF22]. **Examples** [BS16]. **Exception** [CMP13, ZE14, RM03]. **Executables** [AEK<sup>+</sup>16]. **Execution** [CPCT21, KPC18, SBBL23, TDT<sup>+</sup>22, WCB<sup>+</sup>20, YPRK14, AM04, Dil93, DHW98, SMAC08].

**Executions** [BLX<sup>+</sup>20, EM18, PSW<sup>+</sup>20].

**Existing** [AG22]. **experience** [CMCP<sup>+</sup>99, YTL<sup>+</sup>95]. **Experiment** [OL22, PSZ21, BFN<sup>+</sup>14]. **Experimental** [CMM<sup>+</sup>15, DO93, DBDS94, OLR<sup>+</sup>96, SMT92]. **Experiments** [SGR<sup>+</sup>15, Ham09, YBL13]. **expert** [CF10, Kip92]. **Explainability** [RXX<sup>+</sup>19].

**Explicit** [BHB16]. **Explicit-Data** [BHB16].

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**Exposing** [LBZ14]. **expressions** [KGA<sup>+</sup>12].

**Expressive** [TG11, BLW09, WJ10].

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**extensibility** [BJMH02]. **Extensible** [TG11]. **External** [GL14]. **Extracting** [KM10]. **Extraction** [ASNB19, BXX<sup>+</sup>20, GWD<sup>+</sup>21, MN96].

**extractors** [MNGL98].

**Facet** [DGK21]. **Facet-oriented** [DGK21].

**faceted** [DFB99a, DFB99b]. **Facilitating** [RKBL19, YBL13]. **factors** [SAB<sup>+</sup>14].

**factory** [BCC92, FLM<sup>+</sup>98]. **Failed** [JA22].

**Failing** [TLP<sup>+</sup>22]. **Failure** [NL11, Wey96].

**Failure-Causing** [NL11]. **Failures** [JO15, LJL<sup>+</sup>20]. **Fairness** [WYW<sup>+</sup>22].

**Fairness-Aware** [WYW<sup>+</sup>22]. **families** [BCD02]. **Family** [GHM18, RKBL19, SGR<sup>+</sup>15, WFF<sup>+</sup>19].

**Family-based** [RKBL19]. **Fan** [MVM07].

**Fan-In** [MVM07]. **Far** [CL22, GLL<sup>+</sup>21, ZYL<sup>+</sup>18]. **Farewell** [Ros19]. **Fault** [AROK21, EKL<sup>+</sup>19, KKP<sup>+</sup>23, KMYK19, Kuh99, NBMK22, TSPRC18, YHC13, YXK<sup>+</sup>17, CCX11, Hie02, Hie09, KB07, LY05, MA14, SMT92, TK02, XCKX13, ZXLC14].

**Fault-Prone** [AROK21]. **Faults** [HZBS14, MZA22, SRTR17, LS13]. **Faulty** [SYA21]. **Feasibility** [EK11]. **Feature** [ABC<sup>+</sup>22, CLBY18, FN03, HLL<sup>+</sup>16, RWEB19, WRD<sup>+</sup>22, ZRGT23, ZS97, ZZL<sup>+</sup>06]. **Feature-Guided** [CLBY18].

**Features** [JZL<sup>+</sup>19a, KS22, KMYK19, DR10, Zav04].

**Feedback** [SDLC23, GJ08].

**Feedback-Directed** [SDLC23].

**FEMOSAA** [CLBY18]. **Field** [DPB17, JO15]. **Fields** [BLBB23]. **Filling** [BLBB23]. **finding** [CSX08]. **Fine** [PGZ<sup>+</sup>20, BRR01, DL13]. **Fine-grained** [PGZ<sup>+</sup>20, BRR01, DL13]. **Finite** [BM13, DDMM22, EM18, Cor00].

**Finite-State** [EM18, Cor00]. **Fireware** [WRD<sup>+</sup>22]. **First** [DR15]. **Fixed** [OL22].

**Fixed-Date** [OL22]. **Fixing** [SRTR17, TWB<sup>+</sup>19]. **FlagRemover** [BHL11]. **flags** [BHL11]. **Flaky** [PKHM22].

**Flexible** [NEFE03, BTI14]. **Floating** [BCGB21]. **Floating-Point** [BCGB21].

**Flow** [CH21, DCCN04, ZYL<sup>+</sup>23, For94, HB22].

**flow-sensitive** [For94]. **flows** [MP09].

**Focused** [MJS<sup>+</sup>21]. **Fold2Vec** [BC23].

**Follow** [STS<sup>+</sup>18]. **Foraging** [FSP<sup>+</sup>13].

**Formal** [BP05, CTA<sup>+</sup>21, CR94, EWS14, GXSC21, RO18, YJW<sup>+</sup>20, AG97, AG98, BRRP05, BKM07, CS12, CMCP<sup>+</sup>99, CRST12, CPPRM03, FP02, MMST14, PGM12, SCK13, VTA04, SB06].

**Formalizing**

[AAG95, CD98, BP98, CDFG96]. **Formally** [WI23, CMCP<sup>+</sup>99]. **formatters** [vdBV96]. **Formed** [TC20]. **Forms** [BLBB23]. **formulas** [XCKX13]. **forward** [Ros13a]. **Found** [MZA22]. **Foundation** [XTW<sup>+</sup>23, SCK13]. **Foundations** [KF07]. **Founded** [WI23]. **Four** [ZJ97, CD98]. **frames** [KK04]. **Framework** [AEK<sup>+</sup>16, CTA<sup>+</sup>21, DR11, KAT12, MS15, SIB23, WWZ<sup>+</sup>22, XW22, YBL15, BCTW96, CDP04, CDFG96, Dev99, For94, MS03, SGL12, WGG13]. **Free** [RCAH23, KGA<sup>+</sup>12, vdBV96]. **Freedom** [ABB<sup>+</sup>18]. **front** [Dev99]. **front-end-retargetable** [Dev99]. **FSMs** [HT17]. **Full** [SRTR17]. **Full-Word** [SRTR17]. **Function** [CXLG22]. **Functional** [Bro93, GD08, RST<sup>+</sup>14, MGP<sup>+</sup>13]. **Functions** [BCGB21, Hie09, MPG<sup>+</sup>13, VKV03]. **FuzzBench** [FMMB23b, FMMB23a]. **Fuzzing** [ZKW<sup>+</sup>23a, ZKW<sup>+</sup>23b]. **Fuzzy** [FMMB23b, FMMB23a].

**Gaia** [DL11, ZJW03]. **Gaia-PL** [DL11]. **Gas** [ZOJH21]. **general** [CCX11]. **Generalizable** [DLSC23]. **Generated** [CMM<sup>+</sup>15, LS13, WGSD07]. **Generating** [ARG17, DRW96, GXG<sup>+</sup>20, HT17, IC14, SSB20, YJW<sup>+</sup>20, Kli93]. **Generation** [Arc19, AG20, BFFG19, FA14, FSM<sup>+</sup>15, GXZ<sup>+</sup>22, GSYT21, HLL<sup>+</sup>20, HAB<sup>+</sup>20, HCW<sup>+</sup>22, MZA22, MGTR18, SMBO21, WXL<sup>+</sup>21, XVN22, ZA22, ZZS<sup>+</sup>22, vdBV96, EF05, FK96, FRB<sup>+</sup>06, HZS08, PWX14]. **Generative** [KAT12]. **Generator** [NKWF14, DO93]. **Generic** [CWM<sup>+</sup>20, LL00]. **Genetic** [DBNG15, YXK<sup>+</sup>17]. **GENOA** [Dev99]. **Git** [YZP<sup>+</sup>22]. **Gitter** [EHEZ21]. **Global** [ABB<sup>+</sup>18, CFL<sup>+</sup>16, WFF<sup>+</sup>19]. **Go** [CL22]. **Goals** [BBS16, DBPU13]. **Google** [CCH<sup>+</sup>21]. **governed** [MU00]. **GQM** [FLM<sup>+</sup>98]. **Graded** [Ban23]. **grained** [BRR01, DL13, PGZ<sup>+</sup>20]. **grammars** [KGA<sup>+</sup>12]. **grammarware** [KLV05]. **Graph** [ARL<sup>+</sup>15, CWH<sup>+</sup>21, DLSC23, NBMK22, PTY95, TG23, ZYL<sup>+</sup>23, MNGL98]. **graphical** [DKM<sup>+</sup>94, MRK<sup>+</sup>97]. **graphs** [SRK06]. **GreASE** [dFLSV14]. **Greenkeeper** [RCAH23]. **Group** [BSA22]. **growth** [JMS08]. **guarantee** [CAC08]. **Guaranteeing** [ALMS22]. **GUI** [ABC<sup>+</sup>22, Mem08, XM07, XM08]. **GUI-based** [XM07]. **Guide** [HAB<sup>+</sup>20]. **Guided** [CLBY18, GGH<sup>+</sup>23, PWX14, WRD<sup>+</sup>22, TCDZ19]. **Guidelines** [FTF22, GGZ<sup>+</sup>15, GLFW22]. **GUIs** [LVBBC<sup>+</sup>18].

**HAMPI** [KGA<sup>+</sup>12]. **handle** [LYYC14]. **handlers** [CMP13]. **Handling** [AG20, ZE14]. **hard** [CAC08]. **Harmful** [CL23]. **HCSP** [YJW<sup>+</sup>20]. **healing** [CMP13]. **Heap** [LKR22]. **Help** [FSM<sup>+</sup>15]. **heterogeneous** [MU00]. **Heuristic** [ZHO<sup>+</sup>18, ZZX<sup>+</sup>21]. **Hidden** [SCL<sup>+</sup>23]. **Hierarchical** [CGZ23, YWC16, BO92, SLD<sup>+</sup>13, WJ10]. **hierarchies** [CCX11]. **hierarchy** [BM13, DFB99a, DFB99b, LY05]. **hierarchy-aware** [DFB99a, DFB99b]. **high** [CF03]. **high-quality** [CF03]. **Higher** [GXSC21, LWF03, XTW<sup>+</sup>23]. **Higher-Order** [GXSC21, LWF03, XTW<sup>+</sup>23]. **Highly** [AMS<sup>+</sup>18]. **HINNPerf** [CGZ23]. **Hippodrome** [CTC<sup>+</sup>23]. **History** [ARG17, OPK<sup>+</sup>21, FM94]. **History-based** [OPK<sup>+</sup>21]. **history-checking** [FM94]. **Hoc** [CDKP21]. **Holistic** [FDC<sup>+</sup>21]. **Home** [FSZ<sup>+</sup>22]. **hosts** [MPR06]. **HOTTest** [SS06]. **Human** [HCW<sup>+</sup>22, SPAS21, YXK<sup>+</sup>17, CDFG96]. **human-centered** [CDFG96]. **Hybrid** [GXSC21, GSH97, ZMM<sup>+</sup>16, CRST12, CSX08]. **Hybridized** [BBS16]. **Hyper**

[ZHO<sup>+</sup>18]. **Hyper-Heuristic** [ZHO<sup>+</sup>18]. **Hypermutation** [ZA22]. **Hyperparameter** [LLSM22]. **hypotheses** [Hie02, Hie09].

**iBiR** [KKP<sup>+</sup>23]. **ICSE** [MP14]. **IDE** [XVN22]. **Identification** [GHM18, WRD<sup>+</sup>22, WC23, ZSW<sup>+</sup>22]. **Identifier** [SRTR17]. **Identify** [HNRA20]. **Identifying** [CDKP21, GLL<sup>+</sup>21, MVM07]. **Identity** [ZQS<sup>+</sup>23]. **III** [MKS<sup>+</sup>15]. **Image** [CCX<sup>+</sup>20]. **Impact** [CST16, ELvdH<sup>+</sup>05, FAP22, LLSM22, LLS<sup>+</sup>21, PVHW17, Tiw08, ZLW<sup>+</sup>21, EAS08, MA14, RSB05, SGG<sup>+</sup>14]. **Impact-Driven** [PVHW17]. **Impacts** [TDT<sup>+</sup>22]. **Implementation** [KDM17, Liu22, ZCT18, BO92, BPT10, LH08, SB02]. **Implementations** [GZSW19, NWZ<sup>+</sup>23, TTL<sup>+</sup>21, TCDZ19]. **implementing** [CDP04]. **implicit** [SPAK10]. **implied** [UKM04]. **Important** [LXL<sup>+</sup>22]. **Improve** [ABC<sup>+</sup>22, CCH<sup>+</sup>21, VHNf22]. **Improved** [CST16]. **Improvement** [CXH<sup>+</sup>21, SR05]. **Improving** [ASNB19, BGO<sup>+</sup>14, Cai20, PWB23, WYMW20, YHL<sup>+</sup>22, DPT13, GJ08, LH02]. **In-Depth** [XCS<sup>+</sup>22, SBBL23, ZXLC14]. **In-IDE** [XVN22]. **In-Process** [WYW<sup>+</sup>22]. **Incoming** [Pez19d]. **Incompatibility** [XGF<sup>+</sup>23]. **inconsistencies** [CDFG96, GZ05]. **inconsistent** [HN98]. **Incremental** [DPB17, UKM04, YPRK14, KK93, KF07]. **incrementally** [KKLS02]. **Independent** [WHP<sup>+</sup>23]. **Index** [Ano96, TPT13]. **index-sensitive** [TPT13]. **Indicators** [AAP<sup>+</sup>20]. **Inductive** [ASJDW21, BG96]. **Industrial** [OKS<sup>+</sup>16, CMCP<sup>+</sup>99, FLM<sup>+</sup>98, SR05]. **Industrially** [VHNf22]. **Industry** [MS22]. **Industry-Academia** [MS22]. **Inference** [NBB15, SMY19]. **Inferring** [EM18, MG00, RO18]. **Inflow** [ZMM<sup>+</sup>16]. **influence** [Sin10]. **Information** [CXH23, FSP<sup>+</sup>13, RFR23, WCB<sup>+</sup>20, DFOT07, FBC<sup>+</sup>13, GSH97, MP09, PGM12, TZZ09, THHB06, Wey96, YHC13]. **information-theoretic** [YHC13]. **infrastructures** [BDL06]. **inheritance** [KKLS02]. **inheritance-based** [KKLS02]. **Injection** [KKP<sup>+</sup>23]. **inner** [SAB<sup>+</sup>14]. **inspections** [BFN<sup>+</sup>14, PSMV98]. **installability** [VD13]. **Instances** [SGR<sup>+</sup>15]. **instruction** [AM04]. **IntDroid** [ZWY<sup>+</sup>21]. **Integer** [DLRA15, XL20]. **Integrated** [YB20, CTCC98, ELN<sup>+</sup>92, PWD<sup>+</sup>99, SCK13]. **Integrating** [BFFG19, FRB<sup>+</sup>06, GSH97]. **integration** [BCTW96, BHR95, SN92, YHR92]. **Integrity** [MWK15]. **Intellectual** [CSV13]. **Intelligent** [PLM15]. **Intensive** [NWB<sup>+</sup>18]. **Intent** [YXM<sup>+</sup>23]. **Inter** [SEM17]. **Inter-** [SEM17]. **Interacting** [GRT09, SYA21]. **Interaction** [AB12, CGZ23, MU00]. **Interaction-Based** [AB12]. **Interactions** [ASMP16, PWX14]. **interchangeability** [DPT13]. **Interface** [PSZ21, CL94]. **Interfaces** [IC14, BRRP05, BTI14]. **international** [NP08, MP14]. **Internet** [YBZK21]. **Interpretation** [LRL<sup>+</sup>22, WCG<sup>+</sup>21, CSC06]. **interpreters** [BP05]. **Interpreting** [ZZX<sup>+</sup>21]. **Interprocedural** [OO92, SHR01, For94]. **Interval** [SMY19, CDSM10, DKM<sup>+</sup>94]. **interval-based** [CDSM10]. **Interventions** [RPT<sup>+</sup>22]. **Intimacy** [ZWY<sup>+</sup>21]. **Intra** [SEM17]. **Intra-Component** [SEM17]. **Intrinsic** [CGPP15]. **Introduced** [RCAH23]. **Introduction** [GLFW22, HP15, MP14, NP08]. **Invariant** [NKWF14]. **Invariants** [NKWF14]. **investigating** [HBB<sup>+</sup>09, CXLG22]. **Investigation** [LRCS14, WWZ<sup>+</sup>22, MC08]. **Investigations** [Off92]. **invocation** [SPAK10]. **Involvement** [ZMM<sup>+</sup>16]. **IoT** [SMBK22]. **IP** [MR99]. **iSENSE2.0** [WYMW20]. **Isolation** [JZL<sup>+</sup>19b]. **ISSTA** [NP08, HP15]. **Issue** [HP15, MP14, PWB23].

**Issues** [LCL<sup>+</sup>23, Pez23]. **items** [Gun00]. **iterative** [For94].

**J** [TS09]. **J-Orchestra** [TS09]. **Java** [BS07, Cor00, HRD08, KM10, LTX19, MRR05, RD15, SBBL23, SRTR17, SGHM23, SVDHB23, TS09, WHP<sup>+</sup>23, XR13]. **JavaScript** [ASMP16, NXL<sup>+</sup>22]. **Johan** [Ano02]. **Join** [BTI14]. **Journal** [DR15]. **Journal-First** [DR15]. **Journey** [ZYL<sup>+</sup>18]. **JUnit** [WC23]. **Just** [NXL<sup>+</sup>22]. **Just-In-Time** [NXL<sup>+</sup>22].

**KBSE** [DJ97]. **Key** [GCX<sup>+</sup>22, SAB<sup>+</sup>14]. **Killing** [CPCT21]. **KLEESpectre** [WCB<sup>+</sup>20]. **Knee** [CLBY18]. **Knee-Driven** [CLBY18]. **Know** [YZP<sup>+</sup>22]. **Knowledge** [CH21, GZX<sup>+</sup>22, MS22, TG23, FMMH<sup>+</sup>14, KK04, MG00]. **knowledge-based** [KK04, MG00]. **Kristen** [Ano02].

**L2S** [XW22]. **Label** [VCF21, ML00]. **Language** [AROK21, DLT<sup>+</sup>23, KJHY22, LLZ<sup>+</sup>22, WB13, XVN22, BGdV92, CL94, CFM00, GZ05, JPL98, SHO95, TY92, WAF00, MRRR02]. **language-based** [BGdV92, WAF00]. **Languages** [Bj019, CXH23, FTF22, BJMH02, BHR95, CDSM10, DvdHT05, HZS08, KSD08, RSB05, vdBV96]. **Larch** [CL94]. **Larch/Smalltalk** [CL94]. **Large** [BNB14, DNRN15, FA14, KCAS23, LJL<sup>+</sup>20, LLZ<sup>+</sup>22, MNB<sup>+</sup>22, Rus21, YZP<sup>+</sup>22, MC08, PSV01]. **Large-Scale** [BNB14, FA14, LLZ<sup>+</sup>22, MNB<sup>+</sup>22, Rus21, YZP<sup>+</sup>22, PSV01]. **latent** [BGO<sup>+</sup>14]. **Lattice** [DDE11]. **Lattice-Based** [DDE11]. **Law** [MU00]. **Law-governed** [MU00]. **laws** [LSV08]. **layers** [SB02]. **Layout** [LKR22]. **lazy** [FC00]. **leak** [XR13]. **Leakage** [WCB<sup>+</sup>20]. **Learn** [KMYK19]. **Learn-to-Rank** [KMYK19]. **Learned** [RCAH23]. **Learning** [ASNB19, BS16, BLBB23, BT22, CYA22, DKD21, DLSC23, FCLL21, HGW<sup>+</sup>16, HGC<sup>+</sup>22, KKP<sup>+</sup>22, KFY23, LGX<sup>+</sup>22, MPT<sup>+</sup>21, MS15, NBMK22, RFR23, RMCT22, TWB<sup>+</sup>19, WLS<sup>+</sup>20, WCP<sup>+</sup>22, YHL<sup>+</sup>22, ZLW<sup>+</sup>21, ZRGT23, ZZX<sup>+</sup>21, BG96, MY13]. **Learning-based** [BT22, ZZX<sup>+</sup>21]. **legacy** [THHB06]. **Less** [PBU16]. **Lessons** [RCAH23]. **Level** [BNB14, DG18, AM04, CTCC98, KSD08, MMST14, Sin10]. **levels** [CTC01]. **Leveraging** [CH21, VCF21]. **lexical** [MN96]. **libraries** [ZW95]. **Library** [DKD21, OHDB92]. **License** [XGF<sup>+</sup>23]. **LiDetector** [XGF<sup>+</sup>23]. **Life** [VCF21, SS02]. **Lightweight** [GHM18, MN96, Jac02]. **LIME** [MPR06]. **Line** [CTA<sup>+</sup>21, DL11, ZCT18]. **Linear** [SP18, ZAW92]. **Lines** [HLL<sup>+</sup>20, HAB<sup>+</sup>20, XZZL18, BJMH02, KATS12, MPG<sup>+</sup>13]. **Linking** [KS20, SZH<sup>+</sup>19, FC00]. **Links** [PWB23, DFOT07]. **Literature** [LCS<sup>+</sup>22, SBMK21, TWS<sup>+</sup>22, WCP<sup>+</sup>22]. **liveness** [DBPU13, SGE00]. **Local** [ABB<sup>+</sup>18, TC20, ZWGX22]. **Localisation** [YXK<sup>+</sup>17]. **Localization** [AFHC22, KMYK19, TSPRC18, MA14, XCKX13, YHC13]. **locating** [TD01]. **Location** [RWEB19, PGM12, ZZL<sup>+</sup>06]. **Logic** [BMM<sup>+</sup>17, XLW<sup>+</sup>22, DKM<sup>+</sup>94, PMS13, TPT13, ZS97]. **Logic-Based** [BMM<sup>+</sup>17]. **logical** [FGL<sup>+</sup>12, MS94]. **Logics** [DDMM22, DJ97]. **looking** [Not13, Ros13a]. **loop** [BHL11]. **loop-assigned** [BHL11]. **Loops** [RD15]. **Lop** [FMMB23b, FMMB23a]. **LSCs** [MHK11]. **LTL** [BLS11]. **Lunch** [RCAH23].

**Machine** [BLBB23, CLL<sup>+</sup>22, DKD21, RFR23, TWB<sup>+</sup>19, ZLW<sup>+</sup>21]. **Machine-Learning-Based** [ZLW<sup>+</sup>21]. **Machines** [PSZ21, WJ10]. **macro** [Sin10]. **macro-level** [Sin10]. **Mae** [RVMRM04]. **Maintainability** [KDM17]. **Maintaining** [ZCT18]. **majority** [MM13]. **Make** [BKHT21, CMM<sup>+</sup>15]. **Malware** [Cai20, GHM18, WCG<sup>+</sup>21, ZLW<sup>+</sup>21, ZWY<sup>+</sup>21].

**Managed** [NWB<sup>+</sup>18]. **Management** [MGP<sup>+</sup>22, WYMW20, ZQS<sup>+</sup>23, DFOT07, ELvdH<sup>+</sup>05, Jéz99]. **Managing** [HN98, RVMRM04]. **Manipulation** [MS14, TTL<sup>+</sup>21, BG98]. **Manual** [BFFG19]. **Many** [HLL<sup>+</sup>16, HLL<sup>+</sup>20, MKS<sup>+</sup>15, XZZL18]. **Many-Objective** [HLL<sup>+</sup>16, HLL<sup>+</sup>20, MKS<sup>+</sup>15, XZZL18]. **Markov** [HGW<sup>+</sup>16, WP93]. **Marple** [LS13]. **marts** [BCC<sup>+</sup>01]. **Masked** [GZSW19, GXSC21]. **Mastering** [SPAS21]. **Matching** [ABC<sup>+</sup>22, LKRF22, WAH23, ZW95, ZW97]. **Matching-based** [ABC<sup>+</sup>22]. **Math** [SPK14]. **math.h** [BCGB21]. **math.h** [?]Bagnara:2021:PAV. **mathematical** [Sne96]. **Maturity** [VHNF22]. **MC** [GRS<sup>+</sup>16]. **MC/DC** [GRS<sup>+</sup>16]. **MDD** [MGP<sup>+</sup>13]. **MDE** [AB23]. **MDESL** [SZH<sup>+</sup>19]. **Means** [KKP<sup>+</sup>22, BG96]. **Measure** [SHLW21]. **Measurement** [PGZ<sup>+</sup>20, GD08, MGP<sup>+</sup>13]. **Measures** [PSW<sup>+</sup>20]. **Measuring** [BSA22, MP09, ZSHD20, CW99]. **mechanism** [MU00, WAF00]. **mémoire** [PWB23]. **memoriam** [Ros13b]. **Memory** [AEK<sup>+</sup>16, JPS22, NWB<sup>+</sup>18, PWB23, XCS<sup>+</sup>22, XR13]. **Memory-Safety** [XCS<sup>+</sup>22]. **Merge** [SGHM23]. **Merging** [FDB<sup>+</sup>12, RKBL19, LDUD13]. **Message** [RGS12, WXL<sup>+</sup>21, CR94]. **Meta** [ZHO<sup>+</sup>18, Kli93, HZS08]. **Meta-** [ZHO<sup>+</sup>18]. **meta-AspectJ** [HZS08]. **meta-environment** [Kli93]. **Metaconstraints** [DDMM22]. **metalocking** [BS07]. **Metamodel** [LKRF22, PBO07]. **Metamodel-based** [PBO07]. **Metamodels** [AB23]. **Metamorphic** [SDLC23]. **Method** [AB12, CF10, OL22, BRRP05, MG00, MM13]. **Method-Method** [AB12]. **Methodological** [GLFW22]. **Methodology** [LBZ14, CTC01, DCS09, FGL<sup>+</sup>12, FRB<sup>+</sup>06, HGS93, KSD08, MPR<sup>+</sup>13, MGMM11, RBL<sup>+</sup>01, SCK13, ZJW03]. **Methods** [KCAS23, VBZ<sup>+</sup>18, CMCP<sup>+</sup>99, DFOT07, DBDS94, Rus21]. **Metric** [AB12, VHNF22, PMS13]. **Metrics** [KS20, KS22, ZQS<sup>+</sup>23, CSC06, KK04, MSW12, MB07]. **MICOSE4aPS** [VHNF22]. **Microservice** [ZQS<sup>+</sup>23]. **middleware** [EAS08, MPR06, VTA04]. **Migration** [CSW21, SPK14]. **millions** [MPG<sup>+</sup>13]. **Mined** [GXG<sup>+</sup>20]. **Minimal** [NL11]. **Minimization** [XL20]. **Mining** [BBS16, DNRN15, KL21, LCS<sup>+</sup>22, PZS<sup>+</sup>20, SPK14]. **Mining-based** [PZS<sup>+</sup>20]. **Missing** [GCX<sup>+</sup>22, ZWL<sup>+</sup>22, MM13]. **mitigation** [MA14]. **Mixed** [KCAS23, Rus21]. **Mixed-Methods** [KCAS23, Rus21]. **Mixin** [SB02]. **Mobile** [ETM22, JZL<sup>+</sup>19a, LCL<sup>+</sup>23, RMP97, ZE14, CFM00, FGMP03, FC00, MZ09, MR99, PRM01]. **Mobility** [JZL<sup>+</sup>19b, MPR06, PRM01]. **Mockups** [RST<sup>+</sup>14]. **Model** [ALMS22, AFHC22, ASNB19, BS16, BDL06, BS07, BHB16, CXH<sup>+</sup>21, DG17, EBE<sup>+</sup>14, GRS<sup>+</sup>16, GTD21, LKRF22, DGD<sup>+</sup>19, LLSM22, DDGR18, MMST14, NBB15, OPK<sup>+</sup>21, PVHW17, LDUD13, Rus21, TSPRC18, WI23, 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** [AFHC22, MMST14, WI23, HAB13, MS03, SS06, TZZ09]. **model-checking** [BGL00, CDEG03, FGMP03, KF07]. **Model-Driven** [DG17, GTD21]. **Modeling** [BRG<sup>+</sup>01, BSA22, FMMH<sup>+</sup>14, JZL<sup>+</sup>19b, MFLL12, MR99, MRRR02, SLD<sup>+</sup>13, BCFM06, BAD08, CDP04, DCS09, DHW98, PWD<sup>+</sup>99, SB06]. **Modelling** [BZSW14, Bjø19, DGC14, DGK21, Jac02]. **Models** [BMM<sup>+</sup>17, BMC<sup>+</sup>23, CYA22, DG18, EM18, FDB<sup>+</sup>12, HLL<sup>+</sup>16, JPS22,

DGD<sup>+</sup>19, LRL<sup>+</sup>22, RGCS14, TC20, WB13, YJW<sup>+</sup>20, YXL<sup>+</sup>22, YBL15, ZFL<sup>+</sup>22, BDL06, CMCP<sup>+</sup>99, CW98, Cor00, JPL98, MGP<sup>+</sup>13, MG00, MPF14, ODV<sup>+</sup>09, PTY95, SGG<sup>+</sup>14, SCK13, UKM04, YBL13]. **Models-Detection** [ZFL<sup>+</sup>22]. **modern** [RSB05]. **modifiability** [SGG<sup>+</sup>14]. **Modular** [SGR<sup>+</sup>10, WLS<sup>+</sup>20, DvdHT05, FC00]. **modularity** [CS12, HE13, SPAK10]. **modularization** [BGO<sup>+</sup>14]. **Molecular** [EKL<sup>+</sup>19]. **monadic** [TPT13]. **Monitoring** [DDMM22, DDE11, EHF20, RBPG23]. **Monotone** [PSW<sup>+</sup>20]. **Most** [XW22]. **motivations** [HBB<sup>+</sup>09]. **Mozilla** [MFH02]. **MPI** [GSYT21]. **Multi** [AROK21, BS16, BKD<sup>+</sup>23, CDEG03, CLBY18, CL23, DG18, LVBBC<sup>+</sup>18, OKS<sup>+</sup>16, SYA21, XL20, ZHO<sup>+</sup>18]. **Multi-Criteria** [OKS<sup>+</sup>16, XL20]. **Multi-Language** [AROK21]. **Multi-Level** [DG18]. **Multi-Objective** [CLBY18, LVBBC<sup>+</sup>18, ZHO<sup>+</sup>18, BKD<sup>+</sup>23, CL23, SYA21, XL20]. **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** [ZWL<sup>+</sup>22, OLR<sup>+</sup>96]. **Mutants** [CPCT21, OSD<sup>+</sup>23]. **Mutation** [KJHY22, OSD<sup>+</sup>23]. **My** [CCH<sup>+</sup>21, CXH<sup>+</sup>21].

**Names** [SRTR17]. **Natural** [KJHY22, XVN22, GZ05]. **need** [LYYC14]. **Needs** [CXH23]. **nesting** [MBH09]. **Network** [CWW<sup>+</sup>20, CWH<sup>+</sup>21, CGZ23, RXX<sup>+</sup>19, WLS<sup>+</sup>20]. **Network-based** [RXX<sup>+</sup>19]. **Networks** [DLSC23, LLSM22, PLM15, XLW<sup>+</sup>22, Sin10]. **Neural** [CWW<sup>+</sup>20, CWH<sup>+</sup>21, CGZ23, DLY<sup>+</sup>23, LLSM22, RXX<sup>+</sup>19, TWB<sup>+</sup>19, XLW<sup>+</sup>22, ZYL<sup>+</sup>23]. **Neuron** [XLW<sup>+</sup>22]. **next** [HKMB<sup>+</sup>14]. **no** [RCAH23]. **Node** [LJL<sup>+</sup>20]. **Non** [GGZ<sup>+</sup>15, HT17, MWP<sup>+</sup>21]. **Non-Adequate** [GGZ<sup>+</sup>15]. **Non-deterministic** [HT17]. **Non-Serializable** [MWP<sup>+</sup>21]. **nonanomalous** [DBPU13]. **Nonequivalence** [dFLSV14]. **noninteractive** [ZYL<sup>+</sup>06]. **noninterference** [DFG00]. **notation** [FP02, Jac02]. **notations** [BP05, CDP04]. **Notkin** [Ros13b]. **Novice** [CZ19]. **NPC** [XLW<sup>+</sup>22]. **Npm** [RCAH23]. **NSGA** [MKS<sup>+</sup>15]. **NSGA-III** [MKS<sup>+</sup>15]. **Nudge** [MUB<sup>+</sup>23]. **numerical** [SMAC08]. **Nygaard** [Ano02].

**Obfuscation** [GHM18]. **Obfuscation-Resilient** [GHM18]. **Obituary** [Ano02]. **Object** [AB12, GGGU21, LHX21, 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]. **Object-Sensitive** [LHX21]. **objected** [DFB99b]. **objected-oriented** [DFB99b]. **Objective** [CLBY18, HLL<sup>+</sup>16, HLL<sup>+</sup>20, LVBBC<sup>+</sup>18, MKS<sup>+</sup>15, SHLW21, TAA<sup>+</sup>19, XZZL18, ZHO<sup>+</sup>18, BKD<sup>+</sup>23, CL23, SYA21, XL20]. **obliviousness** [HE13]. **OBSERV** [TY92]. **Observability** [ZQS<sup>+</sup>23]. **Observable** [HT17]. **observational** [PSV01]. **OCL** [QT12]. **Ole** [Ano02]. **Ole-Johan** [Ano02]. **One** [Liu22]. **Opacity** [ALMS22]. **Open** [BSA22, BKHT21, CWM<sup>+</sup>20, KCAS23, PLZ<sup>+</sup>22, RGCS14, TWS<sup>+</sup>22, WFW<sup>+</sup>20, XGF<sup>+</sup>23, MFH02, Sin10]. **Open-Source** [BSA22, KCAS23, PLZ<sup>+</sup>22, RGCS14, Sin10]. **OpenStack** [ZLT<sup>+</sup>22]. **Operational** [SZH<sup>+</sup>19]. **Operations** [SCL<sup>+</sup>23]. **operators** [OLR<sup>+</sup>96]. **Opinion**

[LCS<sup>+</sup>22, CF10]. **Opportunities** [YXL<sup>+</sup>22]. **Optimal** [HLL<sup>+</sup>16, Liu22]. **Optimization** [CLBY18, CS22, HLL<sup>+</sup>16, LLSM22, LVBBC<sup>+</sup>18, XZZL18, AGHC<sup>+</sup>22]. **Options** [ZKW<sup>+</sup>23a, ZKW<sup>+</sup>23b]. **Oracles** [WPB19, XM07]. **Orchestra** [TS09]. **Order** [GXSC21, SGD15, LWF03, TPT13, XTW<sup>+</sup>23]. **organizational** [DCS09]. **Organized** [ZWCH21]. **Oriented** [AB12, ZSL<sup>+</sup>13, AM11, CTCC98, CTC01, CSC06, DFB99a, DFB99b, DF94, DR10, FGL<sup>+</sup>12, HE13, DGK21, MS94, ODV<sup>+</sup>09, RS09, RM03, SB02, SGR<sup>+</sup>10]. **OSS** [KS22, ZMM<sup>+</sup>16]. **outcome** [GJ08]. **Outgoing** [Ros19]. **output** [KM10, QNR13]. **Overdue** [MUB<sup>+</sup>23]. **Overflow** [ARG17, DLRA15, GXG<sup>+</sup>20, YZP<sup>+</sup>22, ZWCH21]. **Overhead** [RCAH23]. **overlapping** [HaK92].

**Pacemaker** [BZSW14]. **Pan** [BGdV92]. **Pandemic** [FSZ<sup>+</sup>22]. **Parallel** [HT17, KK93, PSV01, RD15, ZCH22, SMAC08]. **Parameter** [TG11]. **parameterization** [BAD08]. **Parameterized** [MRR05]. **Parameters** [RGCS14]. **Parametric** [ALMS22, WAH23]. **Pareto** [CL23]. **Part** [ELN<sup>+</sup>92]. **Partial** [FDB<sup>+</sup>12, LHX21, PBU16, SGD15, XCCY10]. **Partial-Order** [SGD15]. **Participation** [TWS<sup>+</sup>22]. **Particular** [XL20]. **Passing** [TG11]. **Patch** [LWWM22, MGTR18, STGR21, TLP<sup>+</sup>22]. **Patches** [KPC18, TWB<sup>+</sup>19, ZSW<sup>+</sup>22]. **Path** [DDE11, GSYT21, QNR13, SGD15, TPT13, XLW<sup>+</sup>22, LS13, SRK06]. **Path-**[TPT13]. **Path-Sensitive** [SGD15]. **Paths** [YWC16]. **Pattern** [CZ19, SGR<sup>+</sup>15, WAH23]. **Pattern-based** [CZ19]. **Patterns** [KAS20, DDGR18, MS22, ZB13]. **Peer** [RGCS14]. **Penetration** [MAKM22]. **Performance** [CGZ23, CFL<sup>+</sup>16, LLSM22, LLS<sup>+</sup>21, RXX<sup>+</sup>19, ZHZ<sup>+</sup>21, Tiw08]. **Person** [ZSHD20]. **Personality** [CL22]. **Personalized** [ZL13]. **Perspective** [BXL<sup>+</sup>22, FSP<sup>+</sup>13]. **pervasive** [MZ09, XCCY10]. **phase** [JGB12]. **philosophies** [MSW12]. **physical** [CYA22, XTW<sup>+</sup>23]. **pilot** [XM08]. **PL** [DL11]. **Place** [MS15]. **Place-Aware** [MS15]. **Planning** [CSW21, OL22, ZHO<sup>+</sup>18]. **Plasticity** [BT22]. **Platform** [EHEZ21, LJL<sup>+</sup>20, LSH23, ZOJH21]. **Platys** [MS15]. **Play** [CCH<sup>+</sup>21]. **Plugins** [LSH23]. **Point** [BCGB21, BTI14]. **Pointer** [LHX21]. **pointers** [OSH04]. **points** [LH08, MRR05]. **points-to** [LH08, MRR05]. **Policies** [BBS16, BKHT21, BLW09]. **Polychronous** [GGLT07]. **Polynomial** [NKWF14]. **Popular** [CCH<sup>+</sup>21]. **Portfolio** [MPG<sup>+</sup>13]. **Post** [CDKP21, JMS08]. **Post-release** [JMS08]. **Posteriori** [DG17]. **Posts** [ARG17]. **potentially** [ZXLC14]. **Power** [LSV08]. **Powered** [ZOJH21, CCY<sup>+</sup>21]. **Practical** [BCGB21, CWW<sup>+</sup>20, HB22, SZH<sup>+</sup>19, SSB20]. **Practice** [BXL<sup>+</sup>22, ELvdH<sup>+</sup>05]. **Practices** [BKHT21, WHP<sup>+</sup>23]. **Practitioner** [BXL<sup>+</sup>22]. **pragmatic** [HW12]. **Pre** [LLZ<sup>+</sup>22]. **Pre-Training** [LLZ<sup>+</sup>22]. **Precise** [AB12, KMYK19, LRCS14, XR13]. **Precision** [LHX21, PSW<sup>+</sup>20]. **Precision-Preserving** [LHX21]. **Predicting** [LJL<sup>+</sup>20, MBH<sup>+</sup>17, TLP<sup>+</sup>22, ZHZ<sup>+</sup>21]. **Prediction** [CYA22, CXH<sup>+</sup>21, CGZ23, FAP22, NXL<sup>+</sup>22, SMY19, YKY<sup>+</sup>23, ZL13, ZYL<sup>+</sup>18, ZXLC14]. **Predictions** [ZZX<sup>+</sup>21]. **Predictive** [KJHY22, LRCS14, YXL<sup>+</sup>22, HZZ13]. **Preference** [PLP<sup>+</sup>23]. **Preference-wise** [PLP<sup>+</sup>23]. **preliminary** [YTL<sup>+</sup>95]. **presence** [FYD<sup>+</sup>08, FC00, Hie02, OSH04]. **Preserving** [LHX21, YHR92]. **Prevalence** [MA14, ZLT<sup>+</sup>22]. **PRIME** [PWD<sup>+</sup>99, MGMM11]. **Principles** [Bj019]. **Prioritisation** [RFR23]. **Prioritization**

[BKD<sup>+</sup>23, EM15, HZZ<sup>+</sup>14, ZZY<sup>+</sup>21, ZCH22, YHC13]. **Privacy** [BBS16, ML00]. **Proactive** [SMBK22]. **Probabilistic** [EM18, LSN<sup>+</sup>23, PBU16, JGB12]. **Probable** [XW22]. **Problem** [SKBD14, XL20, HKMB<sup>+</sup>14, MY13]. **procedure** [BHR95, MGP<sup>+</sup>13]. **Process** [BCFM06, PVHW17, LDUD13, TG23, TC20, WYW<sup>+</sup>22, ACF97, BCD02, BAD08, CW99, DHW98, GRT09, JPL98, ODV<sup>+</sup>09, PWD<sup>+</sup>99, SR05, SHO95]. **process-centered** [ACF97]. **process-integrated** [PWD<sup>+</sup>99]. **process-oriented** [ODV<sup>+</sup>09]. **Processes** [HGW<sup>+</sup>16, Cia93, CW98, DCS09, FGMP03]. **Processing** [ZFL<sup>+</sup>22, ATW94, Bre95]. **Product** [CTA<sup>+</sup>21, DL11, HLL<sup>+</sup>16, HLL<sup>+</sup>20, XZZL18, ZCT18, BJMH02, KATS12, MC08]. **product-lines** [BJMH02]. **production** [TBS92]. **products** [JMS08]. **profiling** [XR13]. **Program** [ASJDW21, BHR95, CH21, GWD<sup>+</sup>21, GRS<sup>+</sup>16, MTRK14, RKBL19, XW22, YWC16, YB20, ZFL<sup>+</sup>22, ZKW<sup>+</sup>23a, ZKW<sup>+</sup>23b, BG96, BGH07, BG98, DBGU13, EF05, GN93, HZS08, KM10, LH02, OSH04, SLB<sup>+</sup>21, YHR92]. **Programmed** [EKL<sup>+</sup>19]. **Programming** [AFY<sup>+</sup>22, DBNG15, BXX<sup>+</sup>20, CWM<sup>+</sup>20, CXH23, FTF22, KS20, KAT12, MZ09, SP18, XL20, YXK<sup>+</sup>17, HE13, Kli93, RSB05, SHO95]. **Programs** [BCGB21, EK11, GXSC21, GSYT21, IC14, KMYK19, LKR22, NBMK22, CTCC98, CF03, Cor00, DF94, FC00, HZZ13, MP09, PTY95, QRLV12, SMAC08, TS09, YTL<sup>+</sup>95]. **Progressed** [GLL<sup>+</sup>21, ZYL<sup>+</sup>18]. **Project** [PWB23, ZYL<sup>+</sup>18, Sin10]. **Projections** [MQLR16]. **Projects** [FAP22, JA22, KCAS23, NXL<sup>+</sup>22, PLZ<sup>+</sup>22, RGCS14, SGHM23, WFW<sup>+</sup>20, WHP<sup>+</sup>23, ZMM<sup>+</sup>16]. **Promise** [XVN22]. **Prone** [AROK21]. **Proof** [FC00, RO18]. **proofs** [KKLS02]. **Properties** [EHF20, LBZ14, LLSM22, CK99, DCCN04, FPB<sup>+</sup>05, JGB12, Sin10, SGE00]. **Property** [CSV13, DDE11, NBB15]. **Prospective** [Pez22]. **Protecting** [ML00, ZWGX22]. **protocol** [Ber94, Pet97]. **Protocols** [GGGU21, CJM00, DFG00, PBCT10]. **prototyping** [TY92]. **Prove** [RO18]. **provenance** [MGMM11]. **provenance-aware** [MGMM11]. **Proving** [AB23]. **psc2code** [BXX<sup>+</sup>20]. **Psychometrics** [GLFW22]. **Publication** [DR15]. **Pull** [KCAS23, MUB<sup>+</sup>23, PWB23]. **purely** [FPB<sup>+</sup>05]. **PVS** [MPF14]. **Python** [HAB<sup>+</sup>20].

**Q&A** [UKR21]. **Q8A** [GXLG21]. **QoS** [VTA04]. **QoS-enabled** [VTA04]. **Qualitative** [AMS<sup>+</sup>18]. **Quality** [AAP<sup>+</sup>20, CDKP21, FTF22, HCW<sup>+</sup>22, MBH<sup>+</sup>17, CF03, GL14, MGP<sup>+</sup>13]. **Quantifying** [GZSW19]. **quantitatively** [CW99]. **queries** [WGSD07]. **Query** [LXL<sup>+</sup>22, MBH<sup>+</sup>17, PJRR10, WGG13]. **Question** [GXG<sup>+</sup>20, GXLG21]. **questions** [KM10]. **Quo** [WFF<sup>+</sup>19]. **QVM** [AVY11].

**Race** [CTC<sup>+</sup>23, JPS22, RD15]. **Random** [TAA<sup>+</sup>19]. **Randomization** [ZWGX22]. **Ranges** [LSN<sup>+</sup>23]. **Rank** [KMYK19]. **Rationale** [ZLT<sup>+</sup>22, FBC<sup>+</sup>13, YTL<sup>+</sup>95]. **RCR** [FMMB23a, ZKW<sup>+</sup>23b]. **Re** [ZWGX22]. **Re-Randomization** [ZWGX22]. **Reachability** [LHX21, CK96, CK99, PTY95]. **reactive** [FS93]. **Read** [Liu22]. **Real** [LSN<sup>+</sup>23, Cal95, FM94, FP02, GGLT07, MRK<sup>+</sup>97, Ost99, Pon02, SLD<sup>+</sup>13, WME93]. **Real-Time** [LSN<sup>+</sup>23, Cal95, FM94, FP02, GGLT07, MRK<sup>+</sup>97, Ost99, Pon02, SLD<sup>+</sup>13, WME93]. **Really** [FSM<sup>+</sup>15, YZP<sup>+</sup>22]. **Reasoning** [EBE<sup>+</sup>14, FPB<sup>+</sup>05, GZ05, PRM01, CAC08, HN98, RMP97, VTA04]. **Recall** [PSW<sup>+</sup>20]. **ReCDroid** [ZSL<sup>+</sup>22]. **Recognition** [HSB<sup>+</sup>23]. **Recommendation**



[GXLG21, SIB23, WYW<sup>+</sup>22].  
**Recommendations** [OPK<sup>+</sup>21].  
**Recommenders** [AM11]. **Recommending** [DR11, JZL<sup>+</sup>19a, SYA21, STS<sup>+</sup>18].  
**recompilation** [ATW94, Bre95].  
**Recomposition** [BBS16]. **Reconciling** [SN92]. **Recovering** [DFOT07]. **reduce** [Cor00]. **reduced** [Ber94, Pet97]. **Reducing** [AM11]. **Reduction** [ZWL<sup>+</sup>22, DBDS94].  
**Redundancy** [CGPP15, HZZ13].  
**Reengineering** [Sne96, CF03]. **Refactor** [PZS<sup>+</sup>20]. **Refactoring** [AB23, DG18, FSP<sup>+</sup>13, OKS<sup>+</sup>16, TDT<sup>+</sup>22, VBZ<sup>+</sup>18, SGL12]. **Refactorings** [PLZ<sup>+</sup>22].  
**referees** [ACM05]. **reference** [BCC92].  
**Refinement** [ASJDW21, Ban23, ZNZ<sup>+</sup>23, Ost99].  
**refinements** [SB02]. **Reflection** [LTX19, Pez22, SLB<sup>+</sup>21]. **reflective** [LL00].  
**region** [DER10]. **RegionTrack** [MWP<sup>+</sup>21].  
**regression** [BRR01, GHK<sup>+</sup>01, Mem08, RH97, REM<sup>+</sup>04].  
**regular** [KGA<sup>+</sup>12]. **Regulation** [KAS20].  
**Regulatory** [GL11]. **Reifying** [Jéz99].  
**reimplementation** [CF03].  
**Reinforcement** [BT22, FCLL21, RMCT22].  
**Reject** [PLZ<sup>+</sup>22]. **Relatedness** [MB15].  
**Relational** [MWK15, FPB<sup>+</sup>05].  
**Relationships** [HB22]. **Relative** [HAB<sup>+</sup>20, MB20]. **Relaxed** [JPS22].  
**Release** [OL22, ZHO<sup>+</sup>18, HKMB<sup>+</sup>14, JMS08].  
**Relevance** [OSD<sup>+</sup>23]. **relevant** [MPG<sup>+</sup>13].  
**Reliability** [ZL13, JMS08, PMM<sup>+</sup>99, Wey96].  
**Remodularization** [CBRO16, MKS<sup>+</sup>15].  
**Remote** [SBBL23]. **Remote-Code** [SBBL23]. **Removal** [WRD<sup>+</sup>22]. **Removing** [LCZL14, HZZ13]. **Renamings** [DLY<sup>+</sup>23].  
**Repair** [AFY<sup>+</sup>22, CTC<sup>+</sup>23, GWD<sup>+</sup>21, NBB15, OPK<sup>+</sup>21, PVHW17, YABLR20, YB20].  
**repairing** [Mem08]. **Replicability** [LGX<sup>+</sup>22]. **Replication** [NXL<sup>+</sup>22, RRPW21]. **Report** [FMMB23a, ZKW<sup>+</sup>23b, AM11, KKP<sup>+</sup>23].  
**Reports** [KS20, ZSL<sup>+</sup>22]. **repositories** [Hen97]. **Repository** [DNRN15].  
**Representation** [BC23, EW11, KKP<sup>+</sup>22, LLZ<sup>+</sup>22, WLS<sup>+</sup>20].  
**representations** [BGL00]. **Representing** [RM07, DER10]. **Reproducibility** [LGX<sup>+</sup>22]. **Reproducing** [JO15].  
**Reproduction** [ZSL<sup>+</sup>22]. **Request** [PWB23]. **Request-Issue** [PWB23].  
**Requests** [KCAS23, MUB<sup>+</sup>23]. **Required** [LK14]. **Requirements** [DPB17, GL11, LKRF22, DGD<sup>+</sup>19, RST<sup>+</sup>14, WFF<sup>+</sup>19, ZZY<sup>+</sup>21, CRST12, CD98, GM01, GZ05, HJL96, SMT92, SR05, UFG14, ZJ97].  
**Resampling** [SMY19]. **Research** [CL22, MS22, SF18, WCP<sup>+</sup>22, EAS08, ELvdH<sup>+</sup>05, RSB05]. **Residual** [LRCS14].  
**Resilient** [GHM18]. **Resistance** [GZSW19].  
**Resolution** [BFFG19]. **Resource** [WRD<sup>+</sup>22]. **Resource-constrained** [WRD<sup>+</sup>22]. **Respect** [DLY<sup>+</sup>23]. **Response** [GZX<sup>+</sup>22, TAW95]. **REST** [MZA22, ZA22].  
**RESTful** [Arc19]. **restructuring** [BG98, GN93]. **results** [DO93, PJRR10].  
**retargetable** [Dev99]. **Retention** [ZMM<sup>+</sup>16]. **Retrenchment** [Ban23].  
**Retrieval** [MBH<sup>+</sup>17, SURL11, WXL<sup>+</sup>21, ZWCH21, DFOT07, PGM12].  
**Retrieval-based** [WXL<sup>+</sup>21]. **Retrieving** [PP93]. **Retrospective** [Pez22]. **Return** [ZWGX22]. **reusable** [BO92, PP93]. **Reuse** [FSP<sup>+</sup>13, DGD<sup>+</sup>19, VHNF22, EF05, Hen97, HW12, MC08, OHDB92]. **reverse** [AM04].  
**Review** [AMV23, GZX<sup>+</sup>22, LCS<sup>+</sup>22, RGCS14, SBMK21, TG23, WCP<sup>+</sup>22, HBB<sup>+</sup>09].  
**Reviewers** [ACM03]. **Reviews** [CCH<sup>+</sup>21].  
**revisit** [CCX11]. **revisited** [GD08].  
**Revisiting** [MB20]. **Rewards** [PBU16].  
**rewriting** [VKV03]. **RFC** [TCDZ19].  
**RFC-guided** [TCDZ19]. **rich** [RKBL19].  
**Risk** [GL11, LBZ14, MGP<sup>+</sup>22, XCKX13].

**Robotic** [AMV23]. **Robustness** [ABC<sup>+</sup>22, ZFL<sup>+</sup>22, ZZS<sup>+</sup>22]. **Role** [SPAS21, GJ08]. **router** [CR94]. **rule** [Cia93, Kip92, MM13]. **rule-based** [Cia93, Kip92]. **Rules** [ARG17, MFLL12, KK04]. **Run** [ZHZ<sup>+</sup>21]. **Run-time** [ZHZ<sup>+</sup>21]. **Runtime** [AVY11, BLS11, EKL<sup>+</sup>19, XMA<sup>+</sup>14, ZWGX22, BLW09]. **Rust** [CXH23, XCS<sup>+</sup>22].

**SAEO** [GSYT21]. **Safe** [LSN<sup>+</sup>23, BRR01, BTI14, RH97]. **Safety** [XCS<sup>+</sup>22, BFN<sup>+</sup>14, CK99, SGE00, SRK06]. **SAFKASI** [WAF00]. **Sample** [ZLW<sup>+</sup>21]. **Sampling** [DDE11, PP93, PMM<sup>+</sup>99]. **Sanity** [WYMW20]. **SAT** [AGRR19, XZZL18]. **SAT/SMT** [AGRR19]. **satisfiability** [BM13, PMS13]. **Sator** [BPT10]. **Scala** [ARL<sup>+</sup>15]. **Scalable** [FCLL21, WWZ<sup>+</sup>22, XMA<sup>+</sup>14, BRRP05, HKMB<sup>+</sup>14, HAB13]. **Scale** [BNB14, DNRN15, FA14, LJL<sup>+</sup>20, LLZ<sup>+</sup>22, VLJ<sup>+</sup>18, MNB<sup>+</sup>22, PSV01, Rus21, YZP<sup>+</sup>22]. **Scaling** [HZZ13, LCZL14]. **Scanner** [YXM<sup>+</sup>23]. **Scenario** [UKR21, UKM04, WJ10]. **scenario-based** [UKM04]. **Scenarios** [MHK11, UKM04]. **Schedule** [MQLR16]. **Schema** [MWK15, NL11]. **Schemas** [QT12]. **scientific** [CY11, EF05, LYCY14]. **Scope** [MB20]. **Scores** [RO18]. **Screen** [RST<sup>+</sup>14]. **Screencasts** [BXX<sup>+</sup>20]. **Scripts** [RRPW21, RO18]. **SEADS** [FCLL21]. **Search** [AAP<sup>+</sup>20, AG22, AVAS23, BS16, CCX<sup>+</sup>20, CL23, OKS<sup>+</sup>16, SYA21, SMBO21, SURL11, SED14, TC20, XL20, ZYL<sup>+</sup>23, ZHO<sup>+</sup>18, ZZY<sup>+</sup>21, ZA22]. **Search-Based** [OKS<sup>+</sup>16, SMBO21, ZA22, AAP<sup>+</sup>20, AG22, AVAS23, CL23, XL20]. **Searching** [LXL<sup>+</sup>22, MPG<sup>+</sup>13, ZZX<sup>+</sup>21]. **second** [TPT13]. **second-order** [TPT13]. **section** [NP08]. **Secure** [ZQS<sup>+</sup>23]. **Security** [AMGBK22, RRPW21, RPT<sup>+</sup>22, SIB23, ZQS<sup>+</sup>23, ZSW<sup>+</sup>22, BDL06, BLW09, CJM00, WAF00]. **See** [KKP<sup>+</sup>22]. **Seeding** [AVAS23]. **Seeds** [AVAS23]. **segments** [LS13]. **Selection** [AVAS23, HLL<sup>+</sup>16, HGC<sup>+</sup>22, MPT<sup>+</sup>21, BRR01, CY11, GHK<sup>+</sup>01, RH97]. **selective** [ATW94, Bre95]. **Self** [BKD<sup>+</sup>23, CLBY18, CXLG22, GLL<sup>+</sup>21, RXX<sup>+</sup>19, WI23, PJRR10]. **Self-Adaptive** [CLBY18, WI23]. **Self-Admitted** [RXX<sup>+</sup>19, GLL<sup>+</sup>21]. **self-assessment** [PJRR10]. **Self-Destruct** [CXLG22]. **Self-driving** [BKD<sup>+</sup>23]. **Selfdestruct** [CXLG22]. **Semantic** [BAD08, CLL<sup>+</sup>22, MB15, PJRR10, YHL<sup>+</sup>22, MG00, KKP<sup>+</sup>22]. **Semantic-Based** [CLL<sup>+</sup>22]. **Semantics** [EHF20, LXL<sup>+</sup>22, LK14, SZH<sup>+</sup>19, XTW<sup>+</sup>23, HN96, YHR92]. **semantics-preserving** [YHR92]. **SemMT** [CLL<sup>+</sup>22]. **Sensing** [BZSW14]. **Sensitive** [LKR22, LHX21, SGD15, SCL<sup>+</sup>23, Bro93, Cal95, For94, LH08, TPT13]. **Sensitivity** [LHX21, HKMB<sup>+</sup>14, MRR05]. **Sentiment** [CCY<sup>+</sup>21, UGKR22]. **Sequence** [RGS12, LK14, Mem08]. **sequence-based** [Mem08]. **Sequences** [HT17]. **sequencing** [OO92]. **Sequential** [DDI22, LXL<sup>+</sup>22]. **Serializable** [MWP<sup>+</sup>21]. **Serverless** [BPSSA<sup>+</sup>22]. **service** [BPT10, DPT13, FGL<sup>+</sup>12, HWH14, PBCT10]. **service-oriented** [FGL<sup>+</sup>12]. **Services** [ZL13, BKM07]. **sets** [Hie02]. **Shadow** [KPC18]. **shape** [Cor00]. **Should** [CCH<sup>+</sup>21]. **shuttle** [CD98]. **Side** [EWS14, GZSW19]. **Side-Channel** [EWS14, GZSW19]. **signal** [BRG<sup>+</sup>01]. **Signature** [ZW95]. **Significance** [YKY<sup>+</sup>23]. **Significant** [HZBS14]. **Similarity** [KS22, TLP<sup>+</sup>22, OHDB92]. **simplified** [JW94]. **Simulating** [FS93]. **Simulation** [Ban23, EHF20, KKLS02]. **Single** [BKD<sup>+</sup>23, ZCT18]. **SIP** [HLL<sup>+</sup>16]. **Site** [GXLG21]. **Sites** [UKR21]. **Six** [Pez23]. **size** [BGH07, GD08, HGS93, MGP<sup>+</sup>13, TZZ09, ZXLC14]. **slice** [BGH07, MB07].

**slice-based** [MB07]. **slices** [BFN<sup>+</sup>14].  
**Slicing** [XMA<sup>+</sup>14, GSH97, LH02, TD01].  
**slicing-based** [TD01]. **Small**  
 [HZBS14, Sin10]. **small-world** [Sin10].  
**Smalltalk** [CL94]. **Smart** [AGHC<sup>+</sup>22,  
 CXLG22, HSB<sup>+</sup>23, YABLR20, ZOJH21].  
**SMC** [SGE00]. **Smell** [SKBD14]. **Smells**  
 [AROK21, DLT<sup>+</sup>23, HZBS14, RRPW21].  
**SMT** [AGRR19, CH21]. **SNIAFL**  
 [ZZL<sup>+</sup>06]. **Snippets** [GXG<sup>+</sup>20]. **SNOW**  
 [Liu22]. **SNOW-optimal** [Liu22]. **Socio**  
 [JA22]. **Socio-Technical** [JA22].  
**Sociotechnical** [KAS20]. **Software**  
 [AAP<sup>+</sup>20, BNB14, BXL<sup>+</sup>22, BSA22,  
 BKHT21, Böh18, CL22, CBRO16, CTA<sup>+</sup>21,  
 CLBY18, CCY<sup>+</sup>21, CL23, CWH<sup>+</sup>21,  
 CSW21, CW99, CFL<sup>+</sup>16, CZ19, DHW98,  
 DLY<sup>+</sup>23, DR15, DNRN15, EWS14, EM18,  
 EF05, EW11, FSZ<sup>+</sup>22, FSM<sup>+</sup>15, FTF22,  
 GZSW19, GLFW22, HLL<sup>+</sup>20, HH95, JPS22,  
 KS22, KPC18, LCS<sup>+</sup>22, LGX<sup>+</sup>22, MNB<sup>+</sup>22,  
 MFBF<sup>+</sup>22, MGP<sup>+</sup>22, MFL12, MBH<sup>+</sup>17,  
 MY13, MB20, MKS<sup>+</sup>15, MP14, OKS<sup>+</sup>16,  
 RKBL19, RGCS14, SP18, STS<sup>+</sup>18, SBMK21,  
 SMBK22, SMY19, SF18, SGhWG22,  
 TDT<sup>+</sup>22, TWS<sup>+</sup>22, UGKR22, VHNf22,  
 WB13, WPB19, WCP<sup>+</sup>22, WOM15,  
 XZZL18, XGF<sup>+</sup>23, XL20, YXL<sup>+</sup>22,  
 YQTR15, ZSHD20, ZHZ<sup>+</sup>21, AAG95,  
 ACF97, BCTW96, BO92, BGO<sup>+</sup>14, BCD02,  
 CS12, CTC01, CM08, Cia93, CW98, CDP04,  
 CD98, DvdHT05, DFOT07, DCCN04,  
 ELN<sup>+</sup>92, ELvdH<sup>+</sup>05, FK96, FLM<sup>+</sup>98, GJ08,  
 Gun00, HBB<sup>+</sup>09, Hen97, HW12, JPL98,  
 JMS08, KK93, LASL13, LSV08]. **software**  
 [MMST14, MRRR02, MSW12, MFH02,  
 MC08, NLR11, NP08, Off92, ODV<sup>+</sup>09,  
 PSV01, PP93, PMM<sup>+</sup>99, PSMV98, Rob08,  
 RSB05, SRK06, SN92, SHO95, TZZ09, Tiw08,  
 TBS92, UFG14, VD13, WP93, WGG13,  
 XM07, XR13, ZW95, ZW97, DKD21].  
**Software-2.0** [DKD21].  
**Software-engineering** [XL20]. **Solution**  
 [LJL<sup>+</sup>20]. **Solutions** [LLS<sup>+</sup>21, XL20].  
**Solved** [XCS<sup>+</sup>22]. **solver** [KGA<sup>+</sup>12].  
**Solvers** [XZZL18]. **Solving**  
 [AGRR19, CH21, SSB20, SED14, XL20].  
**Some** [AVAS23, HZBS14]. **Sound**  
 [MWP<sup>+</sup>21, XL20]. **Source**  
 [BSA22, BKHT21, CWM<sup>+</sup>20, DNRN15,  
 GGH<sup>+</sup>23, HNRA20, KS20, KCAS23,  
 KJHY22, MB15, PZS<sup>+</sup>20, PLZ<sup>+</sup>22, RGCS14,  
 SGR<sup>+</sup>15, SRTR17, SED14, TWS<sup>+</sup>22,  
 WLS<sup>+</sup>20, WFW<sup>+</sup>20, XGF<sup>+</sup>23, Dev99,  
 DER10, MFH02, MN96, RM07, SGG<sup>+</sup>14,  
 Sin10, SAB<sup>+</sup>14]. **Source-Code**  
 [DNRN15, SGR<sup>+</sup>15, SGG<sup>+</sup>14]. **sources**  
 [PSMV98]. **Space**  
 [STS<sup>+</sup>18, ZRGT23, CD98, DBDS94].  
**Special** [HP15, MP14, NP08].  
**specialization** [SS02]. **Species** [Böh18].  
**specific** [BJMH02, BGL00, HZS08, SS06].  
**Specification** [KAS20, KL21, XW22, ZW97,  
 Bro93, CDSM10, CL94, CR94, ELN<sup>+</sup>92,  
 FN03, Kuh99, LY05, MS94, PPP94, RMP97,  
 TK02, WME93]. **specification-based**  
 [Kuh99, LY05, TK02]. **Specifications**  
 [EHF20, PSW<sup>+</sup>20, CCX11, DSV03, FM94,  
 HJL96, HRD08, HN98, Jac95b, KB07,  
 MMST14, MS03, Pon02, PMS13, UKM04,  
 WP93, FPGA07]. **specify** [CFM00].  
**Specifying** [PSZ21, DKM<sup>+</sup>94]. **spectra**  
 [NLR11]. **spectra-based** [NLR11].  
**Spectrum**  
 [TSPRC18, YXK<sup>+</sup>17, MSW12, XCKX13].  
**Spectrum-Based**  
 [TSPRC18, YXK<sup>+</sup>17, XCKX13].  
**Speculative** [WCB<sup>+</sup>20]. **Speed** [ODE21].  
**Speeding** [TTL<sup>+</sup>21]. **spi** [DSV03, ZSW<sup>+</sup>22].  
**Splitting** [LLS<sup>+</sup>21]. **spreadsheet**  
 [FRB<sup>+</sup>06]. **spreadsheets** [RBL<sup>+</sup>01]. **SQL**  
 [AG20]. **SSL** [NWZ<sup>+</sup>23, TCDZ19].  
**SSL/TLS** [NWZ<sup>+</sup>23, TCDZ19]. **Stack**  
 [AEK<sup>+</sup>16, ARG17, GXG<sup>+</sup>20, YZP<sup>+</sup>22,  
 ZWCH21]. **Stacks** [ZWGx22]. **STADS**  
 [Böh18]. **Stages** [LSN<sup>+</sup>23]. **Stand**  
 [UGKR22]. **Stand-alone** [UGKR22]. **State**  
 [EM18, MS14, PSZ21, RWEB19, WB13,

Cor00, DBDS94, WJ10]. **State-Based** [WB13]. **statecharts** [BRG<sup>+01</sup>, HaK92, HN96]. **Stateful** [BPSSA<sup>+22</sup>, SLD<sup>+13</sup>]. **STATEMATE** [HN96]. **Statement** [BC23]. **Statement-Based** [BC23]. **States** [LCZL14]. **Static** [CTC<sup>+23</sup>, HNRA20, IWY00, KMYK19, RD15, RWEB19, RM03, VLJ<sup>+18</sup>, WGSD07, BGH07, FPB<sup>+05</sup>, GSH97, MNGL98, OO92, ZZL<sup>+06</sup>]. **Statically** [CWH<sup>+21</sup>]. **Statistical** [RGCS14, ZNZ<sup>+23</sup>]. **Status** [WFF<sup>+19</sup>]. **Step** [BS16, SLB<sup>+21</sup>]. **Stepwise** [EK11]. **Stochastic** [CFL<sup>+16</sup>]. **Storage** [ZWGX22]. **Strategies** [AVAS23]. **strategy** [JW94]. **stratified** [PMM<sup>+99</sup>]. **StreamGen** [GTD21]. **Streaming** [GTD21]. **strength** [MP09]. **Stress** [DBNG15]. **string** [TPT13]. **strings** [KGA<sup>+12</sup>]. **Strong** [AVAS23]. **Structural** [Kip92]. **Structure** [GGH<sup>+23</sup>, GRS<sup>+16</sup>, WB13, RM03]. **Structure-Guided** [GGH<sup>+23</sup>]. **structured** [BP98]. **Structures** [KDM17]. **Structuring** [Jac95b]. **Stubborn** [CPCT21]. **Studies** [Cai20, SPAS21, BM07, CD98, HBB<sup>+09</sup>, MFH02]. **Study** [AROK21, AMGBK22, CWM<sup>+20</sup>, CCH<sup>+21</sup>, CXH23, DKD21, EHEZ21, FAP22, FSM<sup>+15</sup>, GLL<sup>+21</sup>, HGC<sup>+22</sup>, KCAS23, LLSM22, LLS<sup>+21</sup>, NLX<sup>+22</sup>, ODE21, OKS<sup>+16</sup>, PZS<sup>+20</sup>, RRPW21, Rus21, SBBL23, SGHM23, TTL<sup>+21</sup>, TWB<sup>+19</sup>, UGKR22, VLJ<sup>+18</sup>, XCS<sup>+22</sup>, YZP<sup>+22</sup>, ZOJH21, ZE14, ZHO<sup>+18</sup>, ZA22, ZMM<sup>+16</sup>, BJMH02, BRR01, BGH07, CF10, GHK<sup>+01</sup>, MB07, MNGL98, PSV01, SMT92, SR05, Tiw08, TBS92, XM08, ZXLC14]. **Studying** [OSD<sup>+23</sup>]. **style** [AAG95]. **Subject** [DPB17]. **Suboptimal** [WHP<sup>+23</sup>]. **Success** [Rus21, Sin10]. **Successful** [JA22]. **Such** [RCAH23]. **sufficient** [OLR<sup>+96</sup>]. **Suggestion** [ODE21]. **Suite** [HLL<sup>+20</sup>, Ber94, HGS93, Pet97, REM<sup>+04</sup>, XL20, YTL<sup>+95</sup>]. **Suites** [GGZ<sup>+15</sup>, Mem08]. **Summaries** [CTC<sup>+23</sup>, PXJ17]. **Summarization** [CXH<sup>+21</sup>, GGH<sup>+23</sup>]. **Super** [AGHC<sup>+22</sup>]. **Super-optimization** [AGHC<sup>+22</sup>]. **Support** [DBNG15, JO15, SURL11, ZCT18, BFN<sup>+14</sup>, HWH14, MS03, RM03]. **Supporting** [BG98, DR10, Ham09, MPR06]. **Surprise** [KFY23]. **Survey** [MFBF<sup>+22</sup>, PKHM22, TWS<sup>+22</sup>]. **Surveys** [WFF<sup>+19</sup>]. **Sustainability** [Cai20]. **Symbolic** [AEK<sup>+16</sup>, BHB16, CPCT21, Esh06, KPC18, LCZL14, RGS12, WCB<sup>+20</sup>, YPRK14, BGL00, CDEG03, QNR13, SMAC08]. **symmetry** [SGE00]. **symmetry-based** [SGE00]. **symposium** [NP08]. **Synchronisation** [AGRR19]. **Synchronization** [YKY<sup>+23</sup>, YXM<sup>+23</sup>]. **synthesis** [MMST14]. **synthesized** [PWX14]. **Synthesizing** [DBPU13, WJ10, XW22, DL13]. **Synthetic** [SMY19]. **SysML** [BFN<sup>+14</sup>]. **System** [AG20, BLX<sup>+20</sup>, CYA22, KFY23, LBZ14, PBU16, SSB20, ZA22, ZCT18, BGdV92, CDSM10, IWY00, MMST14, MG00, OHDB92, RVMRM04, TBS92, WME93]. **system-level** [MMST14]. **Systematic** [AMV23, LCS<sup>+22</sup>, SBMK21, TG23, VHNF22, WCP<sup>+22</sup>, HBB<sup>+09</sup>, MS03]. **Systematizing** [HW12]. **SystemC** [YJW<sup>+20</sup>]. **Systems** [AMS<sup>+18</sup>, AGRR19, AMV23, AFHC22, AVY11, BNB14, BT22, CLL<sup>+22</sup>, CWM<sup>+20</sup>, CGZ23, DL11, DPB17, DDI22, EKL<sup>+19</sup>, FDC<sup>+21</sup>, FCLL21, KAS20, LSN<sup>+23</sup>, MPT<sup>+21</sup>, MFBF<sup>+22</sup>, NWB<sup>+18</sup>, OSD<sup>+23</sup>, PSW<sup>+20</sup>, SYA21, TG11, WI23, XTW<sup>+23</sup>, YBZK21, ZHZ<sup>+21</sup>, ZRGT23, BO92, BCD02, Bro93, Cal95, CMP13, CY11, CFM00, CRST12, CDFG96, DFOT07, DJ97, DKM<sup>+94</sup>, DCCN04, FM94, FP02, FS93, GM01, JGB12, Kip92, KK04, LYYC14, MU00, MS94, MRK<sup>+97</sup>, Ost99, ODV<sup>+09</sup>, Pon02, RM03, SLD<sup>+13</sup>, TZZ09, THHB06, WAF00, ZJW03].

**TACCLE** [CTC01]. **Tactics** [YBZK21]. **Tagger** [WYMW20]. **tailoring** [CF10]. **Taint** [HB22]. **Tale** [FSZ<sup>+</sup>22]. **Taming** [SLB<sup>+</sup>21]. **Target** [KMYK19]. **Task** [DBNG15, BBS16, Dil97, DLSC23, ZSHD20, SCK13]. **Task-agnostic** [DLSC23]. **tasking** [Dil93]. **Tasks** [FSP<sup>+</sup>13, MBH<sup>+</sup>17, TTL<sup>+</sup>21]. **Taxonomy** [RFR23, UFG14]. **Teams** [CFL<sup>+</sup>16]. **Technical** [GXLG21, GLL<sup>+</sup>21, JA22, RXX<sup>+</sup>19, UKR21]. **technique** [KKLS02, RH97, SS06, SB02]. **Techniques** [Bjø19, RD15, BRR01, GHK<sup>+</sup>01, SM12]. **technology** [EAS08]. **telecom** [MC08]. **telecommunication** [Zav04]. **Templates** [CWM<sup>+</sup>20]. **Temporal** [CY11, DDMM22, Pon02, LYC14, PMS13]. **Tensor** [BSA22]. **Term** [VKV03]. **Termination** [TAA<sup>+</sup>19, Dil97]. **Terminology** [MGP<sup>+</sup>22]. **Terms** [WB13]. **Test** [Arc19, AG20, AVAS23, BKD<sup>+</sup>23, CMM<sup>+</sup>15, DPT13, EM15, FA14, FSM<sup>+</sup>15, GRS<sup>+</sup>16, GGZ<sup>+</sup>15, GSYT21, HZZ<sup>+</sup>14, HLL<sup>+</sup>20, HAB<sup>+</sup>20, HGC<sup>+</sup>22, IC14, KB07, MPT<sup>+</sup>21, MZA22, MWK15, MGTR18, PLP<sup>+</sup>23, RFR23, SYA21, SMBO21, SSB20, TLP<sup>+</sup>22, XL20, ZA22, ZCH22, Ber94, BRR01, DO93, FK96, FRB<sup>+</sup>06, GHK<sup>+</sup>01, HGS93, HAB13, Hie02, Hie09, KSD08, Mem08, PWX14, Pet97, RH97, REM<sup>+</sup>04, SS06, UFG14, XM07]. **Test-and-adapt** [DPT13]. **Test-Equivalence** [MGTR18]. **test-selection** [BRR01]. **Test-suite** [XL20]. **Testability** [AG22, BHL11, MBH09]. **Tester** [MAKM22]. **Testers** [FSM<sup>+</sup>15]. **Testing** [DBNG15, AMV23, AG22, ABC<sup>+</sup>22, BG96, BT22, Böh18, CLL<sup>+</sup>22, CWW<sup>+</sup>20, CS22, DPB17, GGGU21, Hie14, KFY23, KPC18, MJS<sup>+</sup>21, MAKM22, MB20, NPB22, NL11, NWZ<sup>+</sup>23, OSD<sup>+</sup>23, PLP<sup>+</sup>23, PGZ<sup>+</sup>20, RMCT22, SDLC23, TCDZ19, TAA<sup>+</sup>19, WPB19, ZSHD20, ZRGT23, Ber94, CTCC98, CTC01, CM08, DRW96, DF94, DSV03, FRB<sup>+</sup>06, Ham09, HAB13, Hie09, JW94, KSD08, Kip92, Kuh99, LY05, MPR<sup>+</sup>13, MBH09, Mem08, MS03, NP08, Off92, OSH04, Pet97, RBL<sup>+</sup>01, REM<sup>+</sup>04, SS06, SM12, TM14, TK02, Wey96, XM08, ZAW92]. **testing-based** [Ham09]. **Tests** [GWD<sup>+</sup>21, PKHM22, SPK14, WC23, ZE14]. **Text** [MBH<sup>+</sup>17]. **Their** [AMGBK22, WB13, MPG<sup>+</sup>13]. **theoretic** [YHC13]. **Theoretical** [SZH<sup>+</sup>19, YXK<sup>+</sup>17, XCKX13]. **Theory** [FSP<sup>+</sup>13, RGCS14, WFF<sup>+</sup>19, HBB<sup>+</sup>09, Ham09, PPP94]. **There** [RCAH23, ZWL<sup>+</sup>22]. **Thing** [RCAH23]. **Things** [YBZK21]. **Thread** [ZWGX22]. **Thread-Local** [ZWGX22]. **Threats** [AMGBK22]. **Three** [BM07, ZMM<sup>+</sup>16, CSC06]. **Time** [LSN<sup>+</sup>23, NXL<sup>+</sup>22, TDT<sup>+</sup>22, WWZ<sup>+</sup>22, Bro93, Cal95, FM94, FP02, GGLT07, MS94, MRK<sup>+</sup>97, Ost99, Pon02, SLD<sup>+</sup>13, WME93, ZHZ<sup>+</sup>21]. **time-critical** [MS94]. **time-sensitive** [Bro93, Cal95]. **Time-travel** [WWZ<sup>+</sup>22]. **Timed** [ALMS22, BMM<sup>+</sup>17, WAH23, PBCT10, SLD<sup>+</sup>13]. **Timeliness** [WPB19]. **Titles** [GXG<sup>+</sup>20]. **TLS** [NWZ<sup>+</sup>23, TCDZ19]. **TLTL** [BLS11]. **Token** [HSB<sup>+</sup>23]. **TokenAware** [HSB<sup>+</sup>23]. **Tool** [MNB<sup>+</sup>22, dFLSV14, CSX08, ELN<sup>+</sup>92, MS03, MPF14, YTL<sup>+</sup>95, ZW95]. **Tools** [CL22, FSP<sup>+</sup>13, Ham09, SIB23, UGKR22, DRW96, Tiw08]. **topics** [BGO<sup>+</sup>14]. **Topology** [Rob08]. **TOSEM** [Pez23]. **TOTA** [MZ09]. **Trace** [MWP<sup>+</sup>21, HZZ13]. **Trace-Based** [MWP<sup>+</sup>21]. **Traceability** [BFN<sup>+</sup>14, DFOT07]. **Traces** [DDMM22, MWP<sup>+</sup>21]. **Tracking** [HB22, DER10]. **Trading** [HE13]. **Training** [LLZ<sup>+</sup>22]. **Trait** [PSZ21]. **Transactional** [MWP<sup>+</sup>21]. **Transactions** [Liu22, ZOJH21]. **Transfer** [KKP<sup>+</sup>22]. **Transformation** [LKRF22, Rus21, BHL11, CF03, MBH09]. **Transformations** [ASJDW21, AG22, BS16,

DGD<sup>+</sup>19, NBMK22, TSPRC18, YHR92].  
**Transformer** [GGH<sup>+</sup>23]. **Transforming** [MHK11, BHL11]. **transition** [YBL13].  
**Translation** [CLL<sup>+</sup>22, TWB<sup>+</sup>19, Zav04].  
**Transplantation** [STGR21]. **travel** [WWZ<sup>+</sup>22]. **traversal** [VKV03]. **Tree** [WLS<sup>+</sup>20]. **triage** [AM11]. **Triggering** [ZSL<sup>+</sup>13]. **TRIO** [FM94]. **trustability** [HH95]. **Tuning** [LLSM22]. **Turnover** [ZLT<sup>+</sup>22]. **Twitter** [STS<sup>+</sup>18]. **Two** [FSZ<sup>+</sup>22, MFH02, JGB12]. **two-phase** [JGB12]. **Type** [ARL<sup>+</sup>15, KATS12, ODE21, SGD15, BGL00, TD01]. **Type-Based** [ARL<sup>+</sup>15, SGD15]. **type-specific** [BGL00].  
**Types** [ASJDW21, SPAK10]. **typestate** [FYD<sup>+</sup>08]. **Typing** [DG17, DGD<sup>+</sup>19].

**UI** [CCX<sup>+</sup>20, CCH<sup>+</sup>21]. **Ultra** [DNRN15, LJL<sup>+</sup>20]. **Ultra-Large-Scale** [DNRN15, LJL<sup>+</sup>20]. **UML** [BM13, BMM<sup>+</sup>17, BDL06, Esh06, MFLL12, QT12, SGG<sup>+</sup>14, SB06, YBL15]. **UML-B** [SB06]. **unbounded** [JGB12]. **Uncertainty** [BMC<sup>+</sup>23, CYA22, OL22, SBMK21, WPB19, ZZY<sup>+</sup>21, GJ08]. **Uncertainty-aware** [CYA22]. **Uncertainty-wise** [ZZY<sup>+</sup>21].  
**Understand** [GL11, AAG95].  
**Understandable** [CZ19]. **Understanding** [ASMP16, DLRA15, DKD21, KCAS23, LTX19, NWB<sup>+</sup>18, PSMV98]. **Unified** [HZZ<sup>+</sup>14, ZS97, MRRR02]. **Unifying** [CST16, RS09]. **Uniqueness** [WC23]. **Unit** [FA14, FSM<sup>+</sup>15, KSD08, MJS<sup>+</sup>21, SPK14].  
**Unit-level** [KSD08]. **UNITY** [MR99, PRM01, RMP97]. **Unnecessary** [HNRA20]. **until** [JGB12]. **Unveiling** [WFW<sup>+</sup>20]. **Update** [NPB22].  
**Update-driven** [NPB22]. **upper** [CM08].  
**Usage** [DKD21, DLT<sup>+</sup>23, KS20, MB20, UKR21, ZOJH21]. **usages** [MPG<sup>+</sup>13]. **Use** [CDKP21, DGC14, SCK13, WCP<sup>+</sup>22, YZP<sup>+</sup>22, YBL15, DJ97, HBB<sup>+</sup>09, YBL13].  
**Used** [CWM<sup>+</sup>20]. **User** [CCH<sup>+</sup>21, BRRP05, LASL13, SMT92].

## Using

[AGR19, BBS16, CL22, CBRO16, CWH<sup>+</sup>21, CFM00, Cor00, CTC<sup>+</sup>23, DLSC23, ETM22, EM15, FA14, GSYT21, HLL<sup>+</sup>16, HAB<sup>+</sup>20, KS22, KMYK19, LKRF22, MVM07, MGP<sup>+</sup>13, MKS<sup>+</sup>15, NBMK22, OKS<sup>+</sup>16, SYA21, Wey96, XM08, XMA<sup>+</sup>14, XTW<sup>+</sup>23, YZP<sup>+</sup>22, ALMS22, CK99, DFOT07, DFG00, IWY00, KK04, LS13, LH08, ML00, PGM12, SLD<sup>+</sup>13, TC20, UKM04, XR13, ZW95].  
**utility** [CSC06]. **UTP** [XTW<sup>+</sup>23].

## Validate [ZE14]. Validating

[FM94, MSW12]. **Validation** [AMV23, CRST12, FDC<sup>+</sup>21, NWZ<sup>+</sup>23, QT12, TCDZ19, CW99, DBGU13].  
**Validator** [CYA22]. **value** [FBC<sup>+</sup>13, Hie06].  
**valued** [CDEG03]. **Variability** [AMS<sup>+</sup>18, VLJ<sup>+</sup>18]. **Variability-Aware** [VLJ<sup>+</sup>18]. **Variable** [CST16, DLY<sup>+</sup>23, ZYL<sup>+</sup>23].  
**Variable-based** [ZYL<sup>+</sup>23]. **Variant** [RKBL19]. **Variant-rich** [RKBL19].  
**variants** [Jéz99]. **Variation** [EW11, SPAS21, PSMV98]. **Verdict** [Hie09].  
**Verification** [ASJDW21, AGR19, AMV23, BCGB21, BMM<sup>+</sup>17, BLS11, BDD<sup>+</sup>22, CSV13, CH21, DDI22, EWS14, FDC<sup>+</sup>21, GXSC21, HGW<sup>+</sup>16, LKR22, Liu22, NBB15, QT12, RBPG23, BGL00, CDSM10, CY11, DSV03, FGL<sup>+</sup>12, FGMP03, FYD<sup>+</sup>08, FC00, MPF14, SGE00, WME93]. **Verified** [AFY<sup>+</sup>22]. **Verifix** [AFY<sup>+</sup>22]. **verify** [SMAC08]. **Verifying** [CJM00, GZSW19, DCCN04, SLD<sup>+</sup>13].  
**Version** [ARG17]. **versioning** [ZS97].  
**Versions** [VCF21]. **versus** [CL23]. **via** [BGO<sup>+</sup>14, CS22, DDI22, FCLL21, GWD<sup>+</sup>21, GXLG21, KAS20, KJHY22, PWX14, PLP<sup>+</sup>23, PWB23, SMY19, TWB<sup>+</sup>19, WCB<sup>+</sup>20, XLW<sup>+</sup>22, YHL<sup>+</sup>22, ZAW92, ZSW<sup>+</sup>22]. **Views** [DL13, Jac95b]. **violation** [LYYC14]. **Violations** [MWP<sup>+</sup>21, MM13].  
**Virtual**

[BFFG19, BKD<sup>+</sup>23, DHW98, Pon02].

### Visual

[ABC<sup>+</sup>22, CDP04, Dil93, KSD08, MG00].

**Visualization** [KKP<sup>+</sup>22, BG98].

**Visualizing** [BLX<sup>+</sup>20]. **vs** [SRTR17].

**Vulnerabilities** [CWH<sup>+</sup>21, MS14, SBBL23].

### Vulnerability

[GWD<sup>+</sup>21, GCX<sup>+</sup>22, YXM<sup>+</sup>23, ZZX<sup>+</sup>21].

**warehouses** [BCC<sup>+</sup>01]. **Wasted** [KCAS23].

**way** [RKBL19]. **WCET** [LSN<sup>+</sup>23]. **Weak**

[FDB<sup>+</sup>12]. **web**

[LASL13, BM07, BCFM06, BPT10,

CGPP15, NBB15, SURL11, YXM<sup>+</sup>23, ZL13].

**web-centred** [LASL13]. **Weighted**

[CL23, HGW<sup>+</sup>16]. **Weights** [CL23]. **Well**

[SURL11, TC20, ZWCH21]. **Well-Formed**

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