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## Title word cross-reference

1 [JFJ<sup>+</sup>23]. ***N*** [RKBL19, JFJ<sup>+</sup>23]. ***z*** [LCZL14].

**-Equivalent** [LCZL14]. **-to-** [JFJ<sup>+</sup>23]. **-way** [RKBL19].

**19** [FSZ<sup>+</sup>22, MKR<sup>+</sup>23].

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

**Abandoned** [KCAS23]. **Abbreviated** [SRTR17]. **ABC** [SF18]. **Able** [HNRA20]. **Abstract** [PSZ21, XMA<sup>+</sup>14, Jac95a, Pon02]. **Abstracting** [Gun00]. **Abstraction** [AEK<sup>+</sup>16, ZNZ<sup>+</sup>23, CF03, Egy02].

**Abstractions** [PSZ21, BG98, DBGU13]. **Academia** [MS22]. **Accelerating** [MUB<sup>+</sup>23]. **Acceleration** [LHX21]. **access** [BDL06]. **Accessibility** [BXL<sup>+</sup>22]. **accommodates** [YHR92]. **Accounting** [SM12]. **Accuracy** [ASNB19, CWW<sup>+</sup>20, ODE21, WWAC23]. **Accurate** [HSB<sup>+</sup>23, TLL<sup>+</sup>23, ZLL<sup>+</sup>23]. **Achieving** [BJMH02, HAB13, LBZ14]. **Acknowledgement** [ACM05]. **ACM** [NP08]. **across** [CSV13]. **action** [HN98]. **Active** [ASNB19, MS15]. **ActivFORMS** [WI23]. **Activities** [HGHM23, SHLW21, WFW<sup>+</sup>20]. **Activity** [KS22, Esh06]. **Activity-Based** [KS22]. **activitycharts** [BRG<sup>+</sup>01]. **Actor** [CCRZ23]. **Actor-Driven** [CCRZ23]. **Ada** [Dil93, Dil97, DBDS94, YTL<sup>+</sup>95]. **ADAM**

- [GL14]. **adapt** [DPT13]. **Adaptation**  
 [SEM17]. **Adaptive**  
 [BS16, CLBY18, DR11, RPT<sup>+</sup>22, SMBO21, ZA22, HWH14, VTA04, WI23]. **Addendum**  
 [HT98]. **Address** [Zav04]. **Addresses**  
 [ZWGX22]. **Adequacy**  
 [DDS23, 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].  
**Adoption** [RSBO23]. **Adversarial**  
 [KL21, ZZS<sup>+</sup>22]. **Affected**  
 [PLMC23, VCF21]. **against**  
 [EWS14, IC14, ZSWS23]. **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]. **AOps** [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, MPF14, Jac02]. **alone** [UGKR22].  
**Alphabet** [FDB<sup>+</sup>12]. **Alternative**  
 [TTL<sup>+</sup>21]. **Alternatives** [KDM17, KDM23].  
**Always** [HDKM23]. **Always-on** [HDKM23].  
**American** [FMMB23b, FMMB23a].  
**Amoeba** [DCS09]. **among** [GL11, KDM23].  
**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, AFPB23, ASJA23, Bjø19, CCW<sup>+</sup>23, CTC<sup>+</sup>23, CCXZ23, CFL<sup>+</sup>16, DG17, EHF20, FCLL21, FTF22, HNRA20, HLX23a, JFJ<sup>+</sup>23, JZL<sup>+</sup>19b, JA22, KJHY22, LKRF22, LCZL14, LHX21, DDGR18, MGTR18, PBCT10, SEM17, SBS<sup>+</sup>23, SGD15, SLB<sup>+</sup>21, VLJ<sup>+</sup>18, WWY<sup>+</sup>23, YXX<sup>+</sup>23, YXK<sup>+</sup>17, YBL15, ZHS<sup>+</sup>23, ZZC<sup>+</sup>23, 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]. **Anchor** [WWY<sup>+</sup>23]. **Android**  
 [ABC<sup>+</sup>22, GHM18, GJS<sup>+</sup>23, 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** [SPA10]. **Announcing**  
 [Pez23]. **Anomalies** [ZH<sup>+</sup>21]. **Anomaly**  
 [XAY23]. **Ansible** [RRPW21]. **Answer**  
 [GXLG21]. **answering** [KM10]. **Anti**  
 [MS22]. **Anti-patterns** [MS22]. **Apache**  
 [FAP22, MFH02]. **API**  
 [Arc19, ARG17, PDHR23, SIB23, UKR21, WJZ<sup>+</sup>23, ZWY<sup>+</sup>21]. **APIRO** [SIB23]. **APIs**  
 [AG22, BLS<sup>+</sup>23, MZA22, SPK14, ZA22, ZBA23, ZA23, ZAL<sup>+</sup>23]. **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, LWC<sup>+</sup>23, MFLL12, MS15, SZZ<sup>+</sup>23, ZE14, LH02]. **Application-level**  
 [LWC<sup>+</sup>23]. **Applications**  
 [CGPP15, DG17, ETM22, GTD21, KAT12, LCL<sup>+</sup>23, MBH<sup>+</sup>17, NBB15, YXM<sup>+</sup>23, Yu23, ZOJH21, BM07, BCFM06, CPPRM03, CDP04, GGLT07, MZ09, MGMM11, PWX14, PBCT10, SS06, WGSD07, XM07].  
**Applying** [FLM<sup>+</sup>98, FTF22]. **Approach**  
 [ASN19, BCGB21, BZSW14, BMM<sup>+</sup>17, BLBB23, BSA22, CLL<sup>+</sup>22, CSW21, DL11, FDC<sup>+</sup>21, GXSC21, HZZ<sup>+</sup>14, HB22, JS23, MFLL12, LDUD13, SMBO21, TCDZ19,

WI23, YB20, YBL13, ZSL<sup>+</sup>13, ZLL<sup>+</sup>23, ZZC<sup>+</sup>23, 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]. **Arachne** [SKY23]. **Architecting** [BCD02, YBZK21]. **Architectural** [CSW21, MFLL12, AG97, AG98, LWF03, RVMRM04]. **Architecture** [AMGBK22, BNB14, HWH14, QWG<sup>+</sup>23, SMBK22, ZCT18, AAG95, BCC92, DvdHT05, GL14]. **Architecture-centric** [HWH14]. **Architecture-Implementation** [ZCT18]. **Architecture-Level** [BNB14]. **Architecture-Oriented** [QWG<sup>+</sup>23]. **Architectures** [SBMK21, MRRR02]. **ArchRepair** [QWG<sup>+</sup>23]. **Aria** [DRW96]. **Arithmetic** [GXSC21]. **Array** [NKWF14]. **artifact** [DFOT07]. **ASM** [BZSW14]. **Aspect** [Jac95a, DR10, HE13, KF07, RS09, SGR<sup>+</sup>10]. **aspect-** [RS09]. **aspect-oriented** [DR10, HE13, SGR<sup>+</sup>10]. **AspectJ** [HZS08, MHK11]. **Aspects** [GCX<sup>+</sup>22, HGHM23, RSBO23, SZH<sup>+</sup>19, BTI14]. **Aspirations** [CL23a]. **Assembly** [AM04, WMW<sup>+</sup>23]. **Assessing** [ACF97, CM23, Cai20, CXH23, RST<sup>+</sup>14, VBZ<sup>+</sup>18, YHL<sup>+</sup>22]. **Assessment** [CCRZ23, CMM<sup>+</sup>15, HAY<sup>+</sup>23, LWWM22, GJ08, PJRR10, SR05, Wey96]. **assigned** [BHL11]. **Assignments** [AFY<sup>+</sup>22]. **assistance** [GN93]. **assume** [CAC08]. **assume-guarantee** [CAC08]. **Assumptions** [HGW<sup>+</sup>16, IWY00]. **ASTOOT** [DF94]. **Atomic** [Liu22]. **Atomicity** [MWP<sup>+</sup>21]. **aToucan** [YBL15]. **Attack** [WWZ<sup>+</sup>22, YXM<sup>+</sup>23]. **Attacks** [AMGBK22, EWS14, WCB<sup>+</sup>20]. **attribute** [KK93]. **Attributes** [RFR23, GL14].

**Augmenting** [DPB17, GCX<sup>+</sup>22]. **Author** [Ano96, TAW95]. **Autoencoder** [CCX<sup>+</sup>20]. **Automated** [Arc19, AG20, ASNB19, BLBB23, CSW21, DZV<sup>+</sup>23, Egy02, FA14, FSM<sup>+</sup>15, GM01, GN93, HJL96, HAB<sup>+</sup>20, HCW<sup>+</sup>22, JO15, LKRF22, DGD<sup>+</sup>19, LZL<sup>+</sup>23, MZA22, MS14, NPB22, PGZ<sup>+</sup>20, RR23, RKBL19, STDB23, STGR21, SIB23, TZ<sup>+</sup>23, TM14, WB13, WC23, YLM<sup>+</sup>23, YBL15, ZSL<sup>+</sup>22, ZSW<sup>+</sup>22, BGO<sup>+</sup>14, CS12, CAC08, FN03, FRB<sup>+</sup>06, TBS92, XM07, XM08]. **Automatic** [BAJA23, CGPP15, CF03, DSV03, MGTR18, NBMK22, UKR21, BRRP05, DO93]. **Automatically** [CMM<sup>+</sup>15, CDKP21, Mem08, YJW<sup>+</sup>20, LS13]. **Automating** [GZX<sup>+</sup>22]. **Automation** [NAF<sup>+</sup>23]. **Automanon** [EM18]. **Autonomous** [AMV23, FDC<sup>+</sup>21, LKA<sup>+</sup>23]. **Avoiding** [Hie06]. **Aware** [HAY<sup>+</sup>23, HGC<sup>+</sup>22, HQM<sup>+</sup>23, KAT12, LWWM22, MS15, QHM<sup>+</sup>23, VLJ<sup>+</sup>18, WYW<sup>+</sup>22, CYA22, DFB99a, DFB99b, MGMM11, WYMW20, WXL<sup>+</sup>21, WMW<sup>+</sup>23]. **Awareness** [SZZ<sup>+</sup>23]. **B** [SB06]. **back** [Not13]. **Backdoor** [MRO<sup>+</sup>23]. **Bad** [NMA<sup>+</sup>23]. **Based** [AB12, ARL<sup>+</sup>15, ASMP16, AFHC22, BMM<sup>+</sup>17, BC23, CLL<sup>+</sup>22, DDE11, GZX<sup>+</sup>22, GGZ<sup>+</sup>15, JZL<sup>+</sup>19b, KS22, LX<sup>+</sup>22, LHX21, MWP<sup>+</sup>21, MFBF<sup>+</sup>22, OKS<sup>+</sup>16, SMBO21, SGD15, SNM23, SKY23, SVDHB23, TLP<sup>+</sup>22, TSPRC18, WB13, WPX<sup>+</sup>23, WJZ<sup>+</sup>23, YXK<sup>+</sup>17, ZTP<sup>+</sup>23, ZA22, ZAL<sup>+</sup>23, ZLW<sup>+</sup>21, ZWY<sup>+</sup>21, AAP<sup>+</sup>20, AG22, ABC<sup>+</sup>22, AVAS23, AFPB23, BGdV92, BCTW96, BT22, CMP13, CDSM10, CY11, CCX<sup>+</sup>20, CL23b, Cia93, CMCP<sup>+</sup>99, CPPRM03, CW98, CZ19, DBGU13, DBPU13, FPBS23, GGGU21, Ham09, HLX23a, HAB13, KATS12, KKLS02, KKP<sup>+</sup>22, Kip92, KK04, Kuh99, LY05, LH08, MMST14, Mem08, MB07, MS03, MG00, MPF14, NLR11,

NAF<sup>+</sup>23, OPK<sup>+</sup>21, PBO07, PZS<sup>+</sup>20, QNR13, RXX<sup>+</sup>19, RKBL19, SS06, SGE00, SB02, Sne96, TZZ09, TPT13, THHB06, TD01, TK02, UKM04, WAF00, WXL<sup>+</sup>21, WSG<sup>+</sup>23, WI23, XM07, XCKX13, XAY23, XL20, YXZ<sup>+</sup>23, YHC13, ZYL<sup>+</sup>23, ZZC<sup>+</sup>23]. **based** [ZZX<sup>+</sup>21, OHDB92]. **Baseline** [SP18, WOM15]. **Bash** [DLT<sup>+</sup>23]. **basis** [AG97, AG98]. **Bayesian** [FTF22, PLM15, SMY19]. **BDD** [LH08, ZZC<sup>+</sup>23]. **BDD-based** [LH08, ZZC<sup>+</sup>23]. **Be** [CL23b]. **Behavior** [FDB<sup>+</sup>12, DDGR18, MAKM22, SS02, DBGU13, LK14, MG00, PP93, UKM04]. **Behavior-consistent** [SS02]. **Behavioral** [CZ19, GLFW22]. **Behaviors** [TZW<sup>+</sup>23, IWY00]. **Belief** [BMC<sup>+</sup>23]. **benefits** [LH08, MC08]. **Best** [TLL<sup>+</sup>23]. **Better** [CCW<sup>+</sup>23, LWWM22, YB20]. **between** [CXH23, Gun00]. **Beyond** [GWD<sup>+</sup>21]. **Bias** [CZSH23, HDKM23]. **Biases** [YLM<sup>+</sup>23]. **Big** [LGC<sup>+</sup>23]. **Bilevel** [SKBD14]. **Binaries** [JPS22]. **Binarized** [ZZC<sup>+</sup>23]. **Binary** [JFJ<sup>+</sup>23, YXX<sup>+</sup>23]. **BIP** [ABB<sup>+</sup>18]. **Bird** [CM23, JPS22]. **Black** [AFPB23, CCW<sup>+</sup>23, PGZ<sup>+</sup>20, RMCT22, CTCC98]. **Black-box** [AFPB23, PGZ<sup>+</sup>20, RMCT22, CCW<sup>+</sup>23]. **Blindspots** [BLS<sup>+</sup>23]. **Bloat** [NWB<sup>+</sup>18, XMA<sup>+</sup>14]. **Block** [QWG<sup>+</sup>23]. **Block-Level** [QWG<sup>+</sup>23]. **Blockchain** [AMGBK22, ASJA23, PORH23, YBZK21, ZOJH21]. **Blockchain-Powered** [ZOJH21]. **Boa** [DNRN15]. **Bookkeeping** [HSB<sup>+</sup>23]. **Boolean** [CCX11, KB07]. **Boosting** [CS22, GXLG21]. **Bootstrap** [SMY19]. **Bot** [RCAH23]. **Both** [TLL<sup>+</sup>23]. **bound** [CM08]. **Boundaries** [CSV13]. **boundary** [Hie06]. **Bounded** [PMS13]. **Box** [ZAL<sup>+</sup>23, AFBP23, PGZ<sup>+</sup>20, RMCT22, CCW<sup>+</sup>23]. **Brain** [VBZ<sup>+</sup>18]. **Breaking** [BKHT21, CAC08, VCP<sup>+</sup>23]. **Broke** [VCP<sup>+</sup>23]. **Brutus** [CJM00]. **Buddy** [ZWGX22]. **Budget** [SMBO21]. **Bug** [AFHC22, KKP<sup>+</sup>23, LRCS14, SNM23, TWB<sup>+</sup>19, ZHV<sup>+</sup>23, ZSL<sup>+</sup>22, AM11, CSX08]. **Bug-Fixing** [TWB<sup>+</sup>19]. **Bug-report-driven** [KKP<sup>+</sup>23]. **Bugginess** [GLL<sup>+</sup>23]. **Bugs** [AMS<sup>+</sup>18, CLS<sup>+</sup>23, CCVLW23, CCXZ23, DLT<sup>+</sup>23, ZSL<sup>+</sup>13, Jac95a]. **Build** [JS23]. **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, CL23b]. **capabilities** [TS09]. **capability** [Kuh99, TK02]. **Cars** [BKD<sup>+</sup>23]. **Case** [Arc19, AVAS23, CCW<sup>+</sup>23, CXH23, EM15, FTF22, HZZ<sup>+</sup>14, OKS<sup>+</sup>16, RFR23, RPT<sup>+</sup>22, SMBO21, SMBK22, YBL15, ZOJH21, ZAL<sup>+</sup>23, 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]. **Certification** [HML23]. **CFL** [LHX21]. **CFL-Reachability-Based** [LHX21]. **chaining** [FK96]. **Challenge** [XCS<sup>+</sup>22]. **Challenges** [MKR<sup>+</sup>23, XVN22, YXL<sup>+</sup>22]. **Change** [AHGZ23, LWWM22, YQTR15]. **Changes** [BKHT21, DR11, DPB17, VCP<sup>+</sup>23, WHP<sup>+</sup>23, PSV01]. **Channel** [EWS14, KJHY22, GZSW19]. **Characteristics** [JCSA23, CF10, SM12]. **Characterization** [DZV<sup>+</sup>23, SGHM23]. **Characterizing** [XLW<sup>+</sup>22]. **Charts** [RGS12]. **Chats** [CDKP21]. **Checker**

[MWP<sup>+</sup>21, WYMW20, SGE00]. **Checkers** [LZL<sup>+</sup>23]. **Checking** [ALMS22, BHB16, CK99, DPRO23, EBE<sup>+</sup>14, DDGR18, ZZW<sup>+</sup>23, 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]. **Choices** [HDKM23]. **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]. **Classifications** [TZW<sup>+</sup>23]. **Classified** [WCG<sup>+</sup>21]. **Classifiers** [CZSH23]. **Classifying** [ETM22, OSH04]. **cleanroom** [TBS92]. **Clematis** [ASMP16]. **Client** [MS14, VCP<sup>+</sup>23, ZZW<sup>+</sup>23]. **Client-Specific** [ZZW<sup>+</sup>23]. **Client-State** [MS14]. **Clone** [DER10]. **Clones** [MZW<sup>+</sup>23, YHL<sup>+</sup>22]. **Cloud** [LJL<sup>+</sup>20]. **cluster** [CTC01]. **Clustering** [AFPB23]. **cmath** [BCGB21]. **Co** [LSH23, MS22, SYL<sup>+</sup>23, VD13]. **Co-creation** [MS22]. **Co-evolution** [LSH23, SYL<sup>+</sup>23]. **co-installability** [VD13]. **coarse** [BRR01]. **coarse-** [BRR01]. **Code** [BUB23, BXX<sup>+</sup>20, BFFG19, BC23, BLS<sup>+</sup>23, CXH<sup>+</sup>21, DLSC23, DLT<sup>+</sup>23, DNRN15, FTF22, GXG<sup>+</sup>20, GGH<sup>+</sup>23, GXL<sup>+</sup>23, GLL<sup>+</sup>23, HNRA20, HZBS14, HAB<sup>+</sup>20, HCW<sup>+</sup>22, HLX<sup>+</sup>23b, KS20, KKP<sup>+</sup>22, KJHY22, LLL<sup>+</sup>23, LWWM22, LLZ<sup>+</sup>22, LXL<sup>+</sup>22, MB15, MZW<sup>+</sup>23, OSD<sup>+</sup>23, OKS<sup>+</sup>16, PZS<sup>+</sup>20, PGZ<sup>+</sup>20, PLM15, RR23, SKBD14, STDB23, SBBL23, SGR<sup>+</sup>15, SRTR17, SURL11, SED14, SYL<sup>+</sup>23, SZZ<sup>+</sup>23, WLS<sup>+</sup>20, WPX<sup>+</sup>23, XVN22, YJW<sup>+</sup>20, YKY<sup>+</sup>23, YFD<sup>+</sup>23, YXX<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-line-level** [GLL<sup>+</sup>23]. **Code-Smell** [SKBD14]. **Coded** [IC14]. **CodeEditor** [LLL<sup>+</sup>23]. **CodeMatcher** [LXL<sup>+</sup>22]. **Cognitive** [FDC<sup>+</sup>21, SHLW21]. **Cohesion** [AB12, CBRO16, CSC06, KK04, MB07]. **coincidental** [Hie06, MA14]. **Cold** [LWC<sup>+</sup>23]. **Cold-start** [LWC<sup>+</sup>23]. **Collaboration** [MS22, PLMC23, 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]. **Combined** [JS23]. **Combining** [DBNG15, Hie14, SMAC08, TLL<sup>+</sup>23, XZZL18]. **Come** [GLL<sup>+</sup>23]. **COMET** [LCT<sup>+</sup>23]. **Commands** [YZP<sup>+</sup>22]. **Comment** [CXH<sup>+</sup>21, HGD<sup>+</sup>23, 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** [HGD<sup>+</sup>23, BRR01]. **Comparing** [Hie02, PSW<sup>+</sup>20, YHC13, XM07]. **Comparison** [WB13, ZA23]. **Comparisons** [GGZ<sup>+</sup>15]. **Compatibility** [ZZW<sup>+</sup>23]. **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** [CZSH23, GLL<sup>+</sup>21, DvdHT05]. **Compressed** [TZW<sup>+</sup>23]. **Computational** [LLG23]. **Computing** [BPSSA<sup>+</sup>22, LJL<sup>+</sup>20, LWC<sup>+</sup>23, OHDB92, TC20, WCJL23, EF05, FGL<sup>+</sup>12, MZ09, RMP97, XCCY10]. **Concept** [PGM12, Sne96]. **Concepts** [DG17, YXZ<sup>+</sup>23, MG00, SGL12]. **Conceptual** [QT12, TZZ09]. **Concerns** [DZV<sup>+</sup>23, MVM07, RM07]. **Concurrency** [MQLR16, ZSL<sup>+</sup>13, DL13, YTL<sup>+</sup>95]. **Concurrent** [AGR19, 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, CL23a, 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]. **Containers** [WWY<sup>+</sup>23]. **containing** [CFM00]. **Context** [CK96, GZW<sup>+</sup>23, HLX23a, KAT12, LWWM22, LHX21, SNM23, 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]. **Contexts** [ZLS<sup>+</sup>23]. **Contextual** [GZX<sup>+</sup>22]. **Continuous** [BZSW14, HMW23, JS23, SMBK22, ZTP<sup>+</sup>23]. **Contract** [HLX<sup>+</sup>23b, YABLR20, ZOJH21]. **Contracts** [AGHC<sup>+</sup>22, ASJA23, CXLG22, HSB<sup>+</sup>23, MRO<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>+</sup>15, PSZ21, BFN<sup>+</sup>14]. **controllers** [DBPU13]. **controlling** [HGS93]. **Convolution** [YFD<sup>+</sup>23]. **Convolutional** [DLSC23]. **cookie** [TM14]. **cooperative** [HE13]. **Coordinating** [Cia93]. **coordination** [CFM00, MU00, MPR06, Tiw08]. **CORBA** [CPPRM03]. **CORBA-based** [CPPRM03]. **Core** [BAJA23]. **Core-Developer** [BAJA23]. **corners** [ZJ97]. **Correct** [TLL<sup>+</sup>23]. **Correctness** [AB23, LWWM22, TLP<sup>+</sup>22, Hie06, MA14]. **Correlating** [HCW<sup>+</sup>22]. **Correlations** [GL11]. **correspondence** [CW99]. **Corrigenda** [DFB99a]. **Cost** [CST16, FCLL21, NPB22, ZOJH21, ATW94, Bre95, REM<sup>+</sup>04, Wey96]. **Cost-Effective** [ZOJH21, FCLL21, NPB22, REM<sup>+</sup>04]. **Cost-Effectiveness** [CST16].

**Countermeasures** [EWS14]. **Coupling** [CBRO16, KK04, MB07, Off92]. **Coverage** [DDS23, GRS<sup>+</sup>16, GGZ<sup>+</sup>15, GSYT21, LKA<sup>+</sup>23, LCT<sup>+</sup>23, MWK15, MB20, NWZ<sup>+</sup>23, PGZ<sup>+</sup>20, SVDHB23, XLW<sup>+</sup>22, YHC13]. **Coverage-Based** [GGZ<sup>+</sup>15, SVDHB23, YHC13]. **Coverage-directed** [NWZ<sup>+</sup>23]. **Coverage-guided** [LCT<sup>+</sup>23]. **COVID** [FSZ<sup>+</sup>22, MKR<sup>+</sup>23]. **COVID-19** [FSZ<sup>+</sup>22, MKR<sup>+</sup>23]. **CPU** [MPR<sup>+</sup>13]. **Craftsmanship** [SGhWG22]. **Crash** [GWD<sup>+</sup>21, ZSL<sup>+</sup>13, ZSL<sup>+</sup>22]. **Crash-Triggering** [ZSL<sup>+</sup>13]. **Crasher** [CSX08]. **Crayons** [CCVLW23]. **creation** [MS22]. **Criteria** [MWK15, MB20, OKS<sup>+</sup>16, PLMC23, TAA<sup>+</sup>19, Hie02, KSD08, XL20]. **critical** [FPBS23, GM01, MS94]. **Cross** [LLZ<sup>+</sup>22, WSG<sup>+</sup>23, ZYL<sup>+</sup>18, DCS09]. **Cross-Language** [LLZ<sup>+</sup>22]. **Cross-modal** [WSG<sup>+</sup>23]. **cross-organizational** [DCS09]. **Cross-Project** [ZYL<sup>+</sup>18]. **crosscutting** [SGL12, MVM07]. **Crowdtesting** [WYMW20]. **Crowdworker** [WYW<sup>+</sup>22]. **Crucial** [BPSSA<sup>+</sup>22]. **cryptographic** [DFG00]. **CSCW** [KAT12]. **CSP** [SLD<sup>+</sup>13]. **Curriculum** [XAY23]. **customizable** [Dev99]. **CVEs** [XCS<sup>+</sup>22]. **Cyber** [CYA22, SGR<sup>+</sup>23, XAY23, XTW<sup>+</sup>23, ZTP<sup>+</sup>23]. **Cyber-Physical** [ZTP<sup>+</sup>23, CYA22, XAY23, XTW<sup>+</sup>23]. **Cycle** [VCF21]. **Cycles** [OL22, SS02]. **Dahl** [Ano02]. **DAISY** [ZHS<sup>+</sup>23]. **dark** [ZJ97]. **DARWIN** [QRLV12]. **Data** [BHB16, BLBB23, CYA22, CCY<sup>+</sup>21, CTC<sup>+</sup>23, CCXZ23, DPB17, DLY<sup>+</sup>23, FTF22, GSYT21, HPH23a, HPH23b, HGC<sup>+</sup>22, KDM17, LLS<sup>+</sup>21, NWB<sup>+</sup>18, NBB15, SSB20, TTL<sup>+</sup>21, ZHS<sup>+</sup>23, BCC<sup>+</sup>01, BG98, CW98, FK96, For94, OSH04, TZ09, WGG13]. **Data-flow** [CCXZ23]. **Data-Flow-Guided** [HPH23a, HPH23b]. **Data-Intensive** [NWB<sup>+</sup>18]. **Database** [MWK15, CF03, PWX14, WGSD07]. **Databases** [AG20]. **dataflow** [KSD08, HPH23a, HPH23b]. **Dataset** [YHL<sup>+</sup>22]. **Datasets** [UGKR22]. **Date** [OL22]. **David** [Ros13b]. **DC** [GRS<sup>+</sup>16]. **Deadlines** [DBNG15]. **Deadlock** [ABB<sup>+</sup>18, DBDS94]. **Dealing** [BMC<sup>+</sup>23]. **Deallocation** [CCXZ23]. **Debloating** [HLX23a, SVDHB23]. **Debt** [RXX<sup>+</sup>19]. **Debts** [GLL<sup>+</sup>21]. **Debug** [MWP<sup>+</sup>21]. **Debugging** [CMM<sup>+</sup>15, FPBS23, FSP<sup>+</sup>13, JO15, MQLR16, ZNZ<sup>+</sup>23, AM04, HRD08, OSH04, QRLV12]. **Decentralized** [EHF20, ML00]. **Deciding** [SGD15]. **Decision** [HGW<sup>+</sup>16, KDM23, XLW<sup>+</sup>22]. **Decision-making** [KDM23]. **Decisions** [AMGBK22, LLS<sup>+</sup>21, SGR<sup>+</sup>23, AM11]. **Decompiled** [DLY<sup>+</sup>23]. **Decomposition** [BSA22, CCRZ23]. **decoupling** [BTI14]. **deduction** [FS93]. **deductive** [GM01]. **Deep** [CYA22, CWW<sup>+</sup>20, CWM<sup>+</sup>23, CLS<sup>+</sup>23, CWH<sup>+</sup>21, HGC<sup>+</sup>22, KFY23, LCT<sup>+</sup>23, LLSM22, LGX<sup>+</sup>22, LGC<sup>+</sup>23, MPT<sup>+</sup>21, MZW<sup>+</sup>23, NBMK22, QWG<sup>+</sup>23, RMCT22, SKY23, WXL<sup>+</sup>21, WCP<sup>+</sup>22, WWAC23, XLW<sup>+</sup>22, YHL<sup>+</sup>22, ZFL<sup>+</sup>22, ZZZ<sup>+</sup>22, ZRGT23, ZZX<sup>+</sup>21]. **DeepPatch** [WWAC23]. **DeepWukong** [CWH<sup>+</sup>21]. **Defect** [FAP22, KS20, NXL<sup>+</sup>22, ZYL<sup>+</sup>18, SM12]. **Defective** [VCF21]. **Defects** [AVY11, AHGZ23, FAP22, VCF21]. **Defining** [TG23]. **deGraphCS** [ZYL<sup>+</sup>23]. **Degree** [FMMH<sup>+</sup>14]. **Degree-of-knowledge** [FMMH<sup>+</sup>14]. **Delivery** [GJS<sup>+</sup>23, ZTP<sup>+</sup>23]. **Delta** [HT98, HVT98]. **DeltaDroid** [GJS<sup>+</sup>23]. **Demystifying** [SCL<sup>+</sup>23]. **Denoising** [BXX<sup>+</sup>20]. **Depended** [VCP<sup>+</sup>23]. **Dependence** [FCLL21, PXJ17, Dil97, SHR01, SRK06]. **dependences** [Jac95a, OSH04]. **dependencies** [BGO<sup>+</sup>14, Gun00, Rob08]. **Dependency**

[JCSA23, 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, YXZ<sup>+</sup>23, AAG95, BAD08, WJ10]. **descriptors** [DER10]. **DESEN** [KAS20]. **Deserialization** [SBBL23]. **Desert** [Rei99]. **Design** [AROK21, AMGBK22, BPT10, CCX<sup>+</sup>20, EK11, HDKM23, KDM23, 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, CCXZ23, 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, SZZ<sup>+</sup>23, UGKR22, WWZ<sup>+</sup>22, XMA<sup>+</sup>14, XAY23, XGF<sup>+</sup>23, YXX<sup>+</sup>23, YXM<sup>+</sup>23, ZAW92, ZFL<sup>+</sup>22, ZHV<sup>+</sup>23, 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, BAJA23, CDKP21, CCY<sup>+</sup>21, EHEZ21, KS22, SHLW21, WFW<sup>+</sup>20, CF10, FMMH<sup>+</sup>14, Sin10]. **Developers** [CXH23, FSZ<sup>+</sup>22, NMA<sup>+</sup>23, 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, LSB<sup>+</sup>23, MNB<sup>+</sup>22, MKR<sup>+</sup>23, MS15, PDHR23, TG23, ZCT18, AM11, DvdHT05, EAS08, ELN<sup>+</sup>92, GJ08, KK93, MFH02, PSV01, SCK13, Tiw08]. **development-oriented** [AM11]. **Deviated** [TZW<sup>+</sup>23]. **deviations** [CDFG96]. **device** [HDKM23]. **diagnosis** [NLR11]. **diagram** [BP05]. **Diagrams** [AB23, BM13, Egy02, Esh06, LK14]. **DiaPro** [CST16]. **Differ** [JA22]. **Differential** [MQLR16, NWZ<sup>+</sup>23, TCDZ19]. **DIG** [NKWF14]. **Digital** [XAY23]. **Digraphs** [EM15]. **Dijkstra** [Ano02]. **DIRE** [DLY<sup>+</sup>23]. **Directed** [SDLC23, YPRK14, NWZ<sup>+</sup>23]. **discipline** [KLV05]. **Discoverability** [ACSA23]. **Discovering** [CW98, GL11]. **Discovery** [Böh18, SPK14, ZHS<sup>+</sup>23, ZZW<sup>+</sup>23, GL14]. **discrete** [Ost99]. **Discrimination** [ZSWS23]. **Discussions** [EHEZ21]. **Dissecting** [FMMB23b, FMMB23a]. **Distinguishing** [HT17]. **Distributed** [BLX<sup>+</sup>20, DDI22, FCLL21, GTD21, Hie14, LGC<sup>+</sup>23, TG11, WME93, KK93, MU00]. **Distribution** [DDS23, HGC<sup>+</sup>22, TS09]. **Distribution-Aware** [HGC<sup>+</sup>22]. **Diversifying** [MJS<sup>+</sup>21]. **diversity** [HAB13]. **DNN** [FPBS23, TZW<sup>+</sup>23]. **DNN-based** [FPBS23]. **DNNs** [AFPB23]. **Do** [CMM<sup>+</sup>15, CXLG22, CL23a, JA22, LYCY14, PLZ<sup>+</sup>22, SURL11, YZP<sup>+</sup>22, CAC08]. **Docker** [RSBO23]. **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** [ASN19, Bjø19, BMC<sup>+</sup>23, HZS08, ZE14, BJMH02, BAD08, Hie09, JW94, SS06, ZAW92]. **Domain-specific** [HZS08, BJMH02, SS06]. **domain-testing** [JW94]. **domains** [Hie02]. **Done** [PORH23]. **Dormant** [FAP22]. **Double** [For94]. **Driven** [CCRZ23, CLBY18, DG17, PVHW17, BDL06, GL14, GTD21, KKP<sup>+</sup>23, NPB22]. **Driving** [LKA<sup>+</sup>23, TZZ<sup>+</sup>23, BKD<sup>+</sup>23]. **DSD** [CSX08]. **DSD-Crasher** [CSX08].

**Dual** [CL23a, SNM23]. **Duplicate** [WYMW20, ZHV<sup>+23</sup>]. **Duplication** [ZLW<sup>+21</sup>, DER10]. **During** [MKR<sup>+23</sup>, FSZ<sup>+22</sup>]. **DynAlloy** [FPGA07]. **Dynamic** [CST16, FCLL21, GJS<sup>+23</sup>, HB22, KMYK19, DDGR18, NKWF14, PXJ17, PSW<sup>+20</sup>, XMA<sup>+14</sup>, ZHS<sup>+23</sup>, CY11, DR10, FC00, FPB<sup>+05</sup>, GSH97, PJRR10]. **Dynamic-Analysis-Induced** [ZHS<sup>+23</sup>]. **dynamically** [WGSD07]. **Dynamics** [BSA22, KCAS23]. **Dynamite** [MPF14].

**E3** [JPL98]. **Eagle** [LHX21]. **Early** [CM23, KDM17, KDM23]. **Easier** [CMM<sup>+15</sup>]. **Easy** [ZWCH21]. **Ecosystems** [BKHT21]. **Edit** [LLL<sup>+23</sup>, MNB<sup>+22</sup>]. **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, Ros14c, Ros14a, Ros14b, Ros16, Ros17, Ros18a, Ros18b, Ros19, Pez23]. **Edsger** [Ano02]. **Effect** [GRS<sup>+16</sup>, HZBS14, JFJ<sup>+23</sup>, RST<sup>+14</sup>, ZSL<sup>+13</sup>, Off92, Sin10, ZXLC14]. **Effect-Oriented** [ZSL<sup>+13</sup>]. **Effective** [FYD<sup>+08</sup>, RD15, ZOJH21, ZBA23, ZRG23, CF10, FCLL21, Hen97, NPB22, REM<sup>+04</sup>]. **Effectiveness** [CST16, CMM<sup>+15</sup>, GRS<sup>+16</sup>, MWK15, ODE21, UGKR22, VR23, CM08]. **Efficiency** [CMM<sup>+15</sup>, LH02]. **Efficient** [AGR19, AVY11, CWW<sup>+20</sup>, FPGA07, HSB<sup>+23</sup>, HQM<sup>+23</sup>, QHM<sup>+23</sup>, SRK06, ZRG23, ZWGX22, ZNZ<sup>+23</sup>, dFLSV14, RH97]. **Efficiently** [DL11]. **Effort** [KS22, SP18, SMY19, WOM15, AM11, BM07, GJ08, MY13]. **elaboration** [UKM04]. **Element** [NAF<sup>+23</sup>]. **Elephant** [YLM<sup>+23</sup>]. **Elevator** [HAY<sup>+23</sup>]. **Eliciting** [JPL98]. **Elite** [WFW<sup>+20</sup>]. **Embedded** [BNB14, MFLL12, GGLT07]. **Embedding** [LWWM22, WMW<sup>+23</sup>, YFD<sup>+23</sup>, ZYL<sup>+23</sup>]. **Embeddings** [DLSC23, ETM22, TLL<sup>+23</sup>]. **Emergent** [LBZ14]. **Emoji** [CCY<sup>+21</sup>]. **Emoji-powered** [CCY<sup>+21</sup>]. **Emotion** [CCY<sup>+21</sup>]. **Empirical** [AROK21, AAP<sup>+20</sup>, BYTS23, CWM<sup>+20</sup>, CZSH23, CL23a, EHEZ21, FSM<sup>+15</sup>, FTF22, GLL<sup>+21</sup>, HGC<sup>+22</sup>, LLSM22, LLS<sup>+21</sup>, MBH09, ODE21, PORH23, RSBP23, RWEB19, TWB<sup>+19</sup>, UGKR22, VCP<sup>+23</sup>, VLJ<sup>+18</sup>, YXK<sup>+17</sup>, ZHO<sup>+18</sup>, BM07, BGH07, GHK<sup>+01</sup>, HT98, HVT98, MB07, MC08, MNGL98, SR05, Tiw08]. **Emulation** [DDI22]. **emulators** [MPR<sup>+13</sup>]. **Enable** [ZBA23]. **enabled** [VTA04]. **Enabledness** [DBGU13, GGGU21]. **Enabledness-based** [DBGU13, GGGU21]. **End** [ZSL<sup>+22</sup>, Dev99, LASL13]. **End-to-End** [ZSL<sup>+22</sup>]. **end-user** [LASL13]. **Energy** [LCL<sup>+23</sup>, LVBBC<sup>+18</sup>]. **Engineer** [WI23]. **Engineered** [TLL<sup>+23</sup>]. **Engineering** [AAP<sup>+20</sup>, CL22, CL23b, DG17, DL11, DR15, FTF22, GLFW22, HGHM23, LGX<sup>+22</sup>, LGC<sup>+23</sup>, MFBF<sup>+22</sup>, MBH<sup>+17</sup>, MP14, OKS<sup>+16</sup>, STS<sup>+18</sup>, SF18, UGKR22, WFF<sup>+19</sup>, WCP<sup>+22</sup>, YXL<sup>+22</sup>, ACF97, CDP04, ELvdH<sup>+05</sup>, KLV05, LASL13, RSB05, SR05, TBS92, UFG14, XL20, ZJ97]. **Engineering-related** [HGHM23]. **Engineers** [PLMC23, HBB<sup>+09</sup>]. **Engines** [SURL11]. **Enhanced** [YXM<sup>+23</sup>, SS06]. **Enhancement** [HGC<sup>+22</sup>, ZFL<sup>+22</sup>]. **Enhancing** [AG22, TS09]. **Enough** [CBRO16, MCB<sup>+23</sup>]. **Enriched** [HLX<sup>+23b</sup>]. **Ensemble** [UGKR22]. **Ensuring** [SEM17]. **Entry** [BLBB23]. **environment** [ATW94, Bre95, FGMP03, Kli93, MRK<sup>+97</sup>, Rei99, RVMRM04, SN92, TY92]. **Environments** [BKD<sup>+23</sup>, ACF97, DHW98, ELN<sup>+92</sup>, KK93, Kli93, MGP<sup>+13</sup>, PJRR10, PWD<sup>+99</sup>]. **equations** [BRG<sup>+01</sup>, KGA<sup>+12</sup>]. **Equivalence** [LH02, MGTR18, DSV03]. **Equivalent** [LCZL14]. **Era** [LGC<sup>+23</sup>]. **ERC** [MRO<sup>+23</sup>]. **Errata** [AG98]. **error**

- [Kuh99, TK02]. **errors** [TD01, ZAW92].  
**ESP** [Cia93]. **Essential** [SLB<sup>+</sup>21].  
**estimates** [GJ08]. **Estimating**  
[LLL23, LSN<sup>+</sup>23, MB15, PBU16, BM07].  
**Estimation** [CWW<sup>+</sup>20, KS22, PMM<sup>+</sup>99,  
SP18, WOM15, ZFL<sup>+</sup>22, MY13, TZ09].  
**Estimator** [KS20]. **Ethereum**  
[ZCZ<sup>+</sup>23, ASJA23, CXLG22, MRO<sup>+</sup>23,  
PORH23, WWZ<sup>+</sup>22, ZOJH21]. **Evaluate**  
[KDM23, MGP<sup>+</sup>13]. **Evaluating**  
[KFY23, LH08, TAA<sup>+</sup>19, WGG13].  
**Evaluation** [AAP<sup>+</sup>20, FMMB23b,  
FMMB23a, FA14, HCW<sup>+</sup>22, KDM17, MS15,  
RWEB19, SBMK21, SMBK22, YLM<sup>+</sup>23,  
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].  
**Events** [FPBS23]. **every** [LYYC14].  
**Evolution** [Cai20, DR11, DKD21, KDM23,  
OSD<sup>+</sup>23, LSH23, RM03, RVMRM04, SN92,  
SYL<sup>+</sup>23, THHB06, WGG13]. **Evolutionary**  
[HLL<sup>+</sup>16, YB20, Hen97, MBH09].  
**evolvability** [CS12]. **Evolving**  
[OSD<sup>+</sup>23, DCS09, QRLV12]. **EvoMaster**  
[Arc19, ZA22, ZAL<sup>+</sup>23]. **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]. **Exhaustive**  
[HML23]. **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].  
**Explainable** [WPX<sup>+</sup>23]. **Explanation**  
[FPBS23]. **Explicit** [BHB16].  
**Explicit-Data** [BHB16]. **Exploiting**  
[CGPP15]. **Exploits** [SBBL23].  
**Exploration** [CS22, ZRGT23, QNR13].  
**Explorations** [PBU16]. **Exploratory**  
[GZW<sup>+</sup>23, TTL<sup>+</sup>21]. **Exploring**  
[CCW<sup>+</sup>23, MZW<sup>+</sup>23, RCAH23]. **Exposing**  
[LBZ14]. **expressions** [KGA<sup>+</sup>12].  
**Expressive** [TG11, BLW09, WJ10].  
**Extended** [EM15, EM18, ZE14, LY05].  
**extensibility** [BJMH02]. **Extensible**  
[TG11]. **External** [GL14]. **Extracting**  
[KM10]. **Extraction**  
[ASNB19, AFPB23, ASJA23, BXX<sup>+</sup>20,  
GWD<sup>+</sup>21, YXZ<sup>+</sup>23, MN96]. **extractors**  
[MNGL98].
- FaaSLight** [LWC<sup>+</sup>23]. **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**  
[HMW23, JO15, L JL<sup>+</sup>20]. **Fair** [MCB<sup>+</sup>23].  
**Fairness** [MCB<sup>+</sup>23, 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,  
GLL<sup>+</sup>23, ZHV<sup>+</sup>23, ZYL<sup>+</sup>18]. **Farewell**  
[Ros19]. **Fast** [WWY<sup>+</sup>23]. **Fault**  
[AROK21, EKL<sup>+</sup>19, HMW23, KKP<sup>+</sup>23,  
KMYK19, Kuh99, NBMK22, TSPRC18,  
YHC13, YXK<sup>+</sup>17, ZLS<sup>+</sup>23, 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, AFPB23, CLBY18, DDS23, 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, TLL<sup>+</sup>23, ZCZ<sup>+</sup>23, DR10, Zav04]. **Feedback** [SDLC23, GJ08]. **Feedback-Directed** [SDLC23]. **Feedforward** [BK23]. **FEMOSAA** [CLBY18]. **Field** [DPB17, JO15]. **Fields** [BLBB23]. **Filling** [BLBB23]. **Finding** [TZW<sup>+</sup>23, 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]. **Firmware** [WRD<sup>+</sup>22]. **First** [DR15]. **Fix** [LZL<sup>+</sup>23]. **Fixed** [OL22]. **Fixed-Date** [OL22]. **Fixes** [SNM23]. **Fixing** [SRTR17, TWB<sup>+</sup>19]. **FlagRemover** [BHL11]. **flags** [BHL11]. **Flaky** [PKHM22]. **Flexible** [NEFE03, BTI14]. **Floating** [BCGB21]. **Floating-Point** [BCGB21]. **Flow** [CH21, DCCN04, HPH23a, ZYL<sup>+</sup>23, CCXZ23, For94, HPH23b, HB22, WWY<sup>+</sup>23]. **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]. **Fragile** [HDKM23]. **frames** [KK04]. **Framework** [AEK<sup>+</sup>16, CTA<sup>+</sup>21, CLS<sup>+</sup>23, DR11, KAT12, MS15, SIB23, WSG<sup>+</sup>23, 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, JFJ<sup>+</sup>23, LWC<sup>+</sup>23]. **Function-as-a-Service** [LWC<sup>+</sup>23]. **Functional** [Bro93, GD08, LLLM23, RST<sup>+</sup>14, MGP<sup>+</sup>13]. **Functions** [BCGB21, Hie09, MPG<sup>+</sup>13, VKV03]. **FuzzBench** [FMMB23b, FMMB23a]. **Fuzzer** [PHF23a, PHF23b]. **Fuzzing** [HQM<sup>+</sup>23, QHM<sup>+</sup>23, ZKW<sup>+</sup>23a, ZKW<sup>+</sup>23b, ZBA23, ZA23, ZAL<sup>+</sup>23]. **Fuzzy** [FMMB23b, FMMB23a]. **Gaia** [DL11, ZJW03]. **Gaia-PL** [DL11]. **Game** [NMA<sup>+</sup>23]. **Gas** [ZOJH21]. **General** [LWC<sup>+</sup>23, 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, GZX<sup>+</sup>22, GSYT21, HLL<sup>+</sup>20, HAB<sup>+</sup>20, HCW<sup>+</sup>22, LCT<sup>+</sup>23, 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]. **GitHub** [BYTS23, BAJA23, WBRH23]. **Gitter** [EHEZ21]. **Global** [ABB<sup>+</sup>18, CFL<sup>+</sup>16, WFF<sup>+</sup>19, ZLS<sup>+</sup>23]. **Go** [CL22, GLL<sup>+</sup>23]. **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, HLX<sup>+</sup>23b, NBMK22, PTY95, TG23, WPX<sup>+</sup>23,

- YFD<sup>+</sup>23, ZYL<sup>+</sup>23, MNGL98]. **graphical** [DKM<sup>+</sup>94, MRK<sup>+</sup>97]. **graphs** [SRK06]. **GreASE** [dFLSV14]. **Greenkeeper** [RCAH23]. **Group** [BSA22, ZSWS23]. **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, HPH23a, PWX14, WRD<sup>+</sup>22, ZLS<sup>+</sup>23, ZZW<sup>+</sup>23, HPH23b, LCT<sup>+</sup>23, TCDZ19]. **Guidelines** [FTF22, GGZ<sup>+</sup>15, GLFW22]. **Guiding** [CL23a]. **GUIs** [LVBBC<sup>+</sup>18].
- HAMPI** [KGA<sup>+</sup>12]. **handle** [LYYC14]. **handlers** [CMP13]. **Handling** [AG20, ZE14]. **hard** [CAC08]. **Harmful** [CL23b]. **Hazard** [FPBS23]. **Hazard-triggering** [FPBS23]. **HCSP** [YJW<sup>+</sup>20]. **healing** [CMP13]. **Heap** [LKR22]. **Help** [FSM<sup>+</sup>15]. **Heterogeneous** [WSG<sup>+</sup>23, MU00]. **Heuristic** [CM23, ZHO<sup>+</sup>18, ZZX<sup>+</sup>21]. **Heuristics** [ZBA23]. **Hidden** [SCL<sup>+</sup>23]. **Hierarchical** [CGZ23, JEB<sup>+</sup>23, 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, MKR<sup>+</sup>23]. **hosts** [MPR06]. **HOTTest** [SS06]. **Human** [HGHM23, HCW<sup>+</sup>22, SPAS21, YXK<sup>+</sup>17, CDFG96]. **human-centered** [CDFG96]. **Hybrid** [GXSC21, GSH97, JEB<sup>+</sup>23, ZMM<sup>+</sup>16, CRST12, CSX08]. **HybridCISave** [JS23]. **Hybridized** [BBS16]. **Hyper** [ZHO<sup>+</sup>18]. **Hyper-Heuristic** [ZHO<sup>+</sup>18]. **Hypermutation** [ZA22]. **Hyperparameter** [LLSM22]. **hypotheses** [Hie02, Hie09]. **Hypothesis** [WSG<sup>+</sup>23]. **iBiR** [KKP<sup>+</sup>23]. **ICSE** [MP14]. **IDE** [XVN22]. **Identification** [BAJA23, DZV<sup>+</sup>23, GHM18, GLL<sup>+</sup>23, STDB23, SYL<sup>+</sup>23, WRD<sup>+</sup>22, WC23, ZCZ<sup>+</sup>23, ZSW<sup>+</sup>22]. **Identifier** [SRTR17, ZLL<sup>+</sup>23]. **Identify** [HNRA20]. **Identifying** [CDKP21, GLL<sup>+</sup>21, MVM07]. **Identity** [ZQS<sup>+</sup>23]. **IFDS** [HLX23a]. **IFDS-based** [HLX23a]. **III** [MKS<sup>+</sup>15]. **Image** [CCX<sup>+</sup>20, TZW<sup>+</sup>23]. **Images** [RSBO23]. **Impact** [AHGZ23, CST16, ELvdH<sup>+</sup>05, FAP22, LLSM22, LLS<sup>+</sup>21, MZW<sup>+</sup>23, 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, WWL<sup>+</sup>23]. **Implementations** [GZSW19, NWZ<sup>+</sup>23, TTL<sup>+</sup>21, TCDZ19]. **implementing** [CDP04]. **implicit** [SPA10]. **implied** [UKM04]. **Important** [LXL<sup>+</sup>22]. **Improve** [ABC<sup>+</sup>22, CCH<sup>+</sup>21, VHNF22]. **Improved** [CST16]. **Improvement** [CXH<sup>+</sup>21, WWAC23, 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** [WBRH23, CDFG96, GZ05]. **inconsistent** [HN98]. **Incorporating** [SZZ<sup>+</sup>23]. **Incremental** [DPB17, UKM04, YPRK14, KK93, KF07]. **incrementally** [KKLS02]. **Independent** [WHP<sup>+</sup>23]. **Index** [Ano96, TPT13]. **index-sensitive** [TPT13]. **Indicators** [AAP<sup>+</sup>20]. **Induced** [ZHS<sup>+</sup>23]. **Inductive**

- [ASJDW21, BG96]. **Industrial** [HAY<sup>+</sup>23, OKS<sup>+</sup>16, ZAL<sup>+</sup>23, CMCP<sup>+</sup>99, FLM<sup>+</sup>98, SR05]. **Industrially** [VHNF22]. **Industry** [MS22]. **Industry-Academia** [MS22]. **Inference** [NBB15, SMY19]. **Inferred** [LZL<sup>+</sup>23]. **Inferring** [EM18, MG00, RO18]. **Inflow** [ZMM<sup>+</sup>16]. **Influence** [HGHM23, RSBO23, Sin10]. **Influential** [ZLS<sup>+</sup>23]. **Information** [CXH23, FSP<sup>+</sup>13, RFR23, WCB<sup>+</sup>20, DFOT07, FBC<sup>+</sup>13, GSH97, MP09, PGM12, TZ09, THHB06, Wey96, YHC13]. **information-theoretic** [YHC13]. **infrastructures** [BDL06]. **inheritance** [KKLS02]. **inheritance-based** [KKLS02]. **Injection** [KKP<sup>+</sup>23]. **Inline** [HGD<sup>+</sup>23]. **Inlining** [JFJ<sup>+</sup>23]. **inner** [SAB<sup>+</sup>14]. **Input** [DDS23]. **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, SBS<sup>+</sup>23, GSH97]. **Integration** [HMW23, JS23, ZTP<sup>+</sup>23, BCTW96, BHR95, SN92, YHR92]. **Integrity** [MWK15]. **Intellectual** [CSV13]. **Intelligent** [PLM15]. **Intended** [GZW<sup>+</sup>23]. **Intensive** [NWB<sup>+</sup>18]. **Intent** [YXM<sup>+</sup>23]. **Inter** [SEM17]. **Inter-** [SEM17]. **Interacting** [GRT09, SYA21]. **Interaction** [AB12, CGZ23, DDS23, MU00]. **Interaction-Based** [AB12]. **Interactions** [ASMP16, PWX14]. **interchangeability** [DPT13]. **Interface** [PSZ21, CL94]. **Interfaces** [IC14, BRRP05, BTI14]. **international** [NP08, MP14]. **Internet** [YBZK21]. **Interpretable** [YFD<sup>+</sup>23, ZSWS23]. **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]. **Interview** [ZTP<sup>+</sup>23]. **Interview-Based** [ZTP<sup>+</sup>23]. **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, JFJ<sup>+</sup>23]. **Investigation** [CL23a, 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** [AHGZ23, HP15, MP14, PWB23]. **Issues** [LCL<sup>+</sup>23, Pez23]. **items** [Gun00]. **iterative** [For94]. **J** [TS09]. **J-Orchestra** [TS09]. **Java** [BS07, BLS<sup>+</sup>23, Cor00, HRD08, KM10, LTX19, MRR05, RD15, SBBL23, SRTR17, SGHM23, SVDHB23, TS09, WHP<sup>+</sup>23, XR13]. **JavaScript** [ASMP16, NXL<sup>+</sup>22, ZBA23]. **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]. **Katana** [SNM23]. **KBSE** [DJ97]. **Key** [GCX<sup>+</sup>22, SAB<sup>+</sup>14]. **Killing** [CPCT21]. **KLEESpectre** [WCB<sup>+</sup>20]. **Knee** [CLBY18]. **Knee-Driven** [CLBY18]. **Know** [GXL<sup>+</sup>23, YZP<sup>+</sup>22]. **Knowledge** [CH21, GZX<sup>+</sup>22, HLX<sup>+</sup>23b, MS22, TG23, WPX<sup>+</sup>23, WJZ<sup>+</sup>23, ZZW<sup>+</sup>23, FMMH<sup>+</sup>14, KK04, MG00]. **knowledge-based** [KK04, MG00]. **Knowledge-Guided** [ZZW<sup>+</sup>23]. **Kristen** [Ano02]. **Kubernetes** [RSBP23]. **L2S** [XW22]. **Label** [VCF21, ML00]. **Labeling** [YXZ<sup>+</sup>23]. **Landscapes**

[TZZ<sup>+23</sup>]. **Language** [AROK21, DLT<sup>+23</sup>, KJHY22, LLZ<sup>+22</sup>, WB13, WJZ<sup>+23</sup>, XVN22, BGdV92, CL94, CFM00, GZ05, JPL98, SHO95, TY92, WAF00, MRRR02]. **language-based** [BGdV92, WAF00]. **Languages** [Bjø19, CXH23, FTF22, BJMH02, BHR95, CDSM10, DvdHT05, HZS08, KSD08, RSB05, vdBV96]. **Larch** [CL94]. **Larch/Smalltalk** [CL94]. **Large** [BNB14, DNRN15, FA14, KCAS23, LJL<sup>+20</sup>, LLZ<sup>+22</sup>, MNB<sup>+22</sup>, Rus21, YZP<sup>+22</sup>, MC08, PSV01]. **Large-Scale** [BNB14, FA14, LLZ<sup>+22</sup>, MNB<sup>+22</sup>, Rus21, YZP<sup>+22</sup>, PSV01]. **Latency** [LWC<sup>+23</sup>]. **latent** [BGO<sup>+14</sup>]. **Lattice** [DDE11]. **Lattice-Based** [DDE11]. **Law** [MU00]. **Law-governed** [MU00]. **laws** [LSV08]. **layers** [SB02]. **Layout** [LKR22]. **lazy** [FC00]. **Leads** [DPRO23]. **Leads-to** [DPRO23]. **leak** [XR13]. **Leakage** [WCB<sup>+20</sup>]. **Learn** [KMYK19]. **Learn-to-Rank** [KMYK19]. **Learned** [RCAH23, TLL<sup>+23</sup>]. **Learning** [ASN19, BS16, BLBB23, BT22, CYA22, CZSH23, CWM<sup>+23</sup>, CLS<sup>+23</sup>, DKD21, DLSC23, FCLL21, HGW<sup>+16</sup>, HGC<sup>+22</sup>, HDKM23, KKP<sup>+22</sup>, KFY23, LLLM23, LCT<sup>+23</sup>, LLL<sup>+23</sup>, LGX<sup>+22</sup>, LGC<sup>+23</sup>, MPT<sup>+21</sup>, MZW<sup>+23</sup>, MS15, NBMK22, RFR23, RMCT22, SNM23, TWB<sup>+19</sup>, WLS<sup>+20</sup>, WCP<sup>+22</sup>, WWAC23, XAY23, YHL<sup>+22</sup>, ZLW<sup>+21</sup>, ZRG23, ZZX<sup>+21</sup>, BG96, MY13]. **Learning-based** [BT22, ZZX<sup>+21</sup>]. **legacy** [THHB06]. **Less** [PBU16]. **Lessons** [RCAH23]. **Level** [BNB14, DG18, QWG<sup>+23</sup>, AM04, CCRZ23, CTCC98, GLL<sup>+23</sup>, KSD08, LWC<sup>+23</sup>, MMST14, Sin10]. **levels** [CTC01]. **Leveraging** [AHGZ23, CH21, VCF21]. **lexical** [MN96]. **libraries** [ZW95]. **Library** [DKD21, LCT<sup>+23</sup>, OHDB92]. **License** [WBRH23, XGF<sup>+23</sup>]. **LiDetector** [XGF<sup>+23</sup>]. **Life** [VCF21, SS02]. **Lightweight** [GHM18, MN96, Jac02]. **LIME** [MPR06]. **Line** [CTA<sup>+21</sup>, DL11, ZCT18, GLL<sup>+23</sup>]. **Linear** [SP18, ZAW92]. **Lines** [HLL<sup>+20</sup>, HAB<sup>+20</sup>, XZZL18, BJMH02, KATS12, MPG<sup>+13</sup>]. **Linking** [KS20, SZH<sup>+19</sup>, FC00]. **Links** [PWB23, DFOT07]. **Literature** [BUB23, LCS<sup>+22</sup>, SBMK21, TWS<sup>+22</sup>, WCP<sup>+22</sup>]. **liveness** [DBPU13, SGE00]. **Local** [ABB<sup>+18</sup>, TC20, ZLS<sup>+23</sup>, ZWGX22]. **Localisation** [YXK<sup>+17</sup>]. **Localization** [AFHC22, HMW23, KMYK19, NAF<sup>+23</sup>, TSPRC18, ZLS<sup>+23</sup>, MA14, XCKX13, YHC13]. **locating** [TD01]. **Location** [RWEB19, PGM12, ZZL<sup>+06</sup>]. **Lockdowns** [MKR<sup>+23</sup>]. **Locking** [CCVLW23]. **Log** [CCW<sup>+23</sup>]. **Logic** [BMM<sup>+17</sup>, XLW<sup>+22</sup>, DKM<sup>+94</sup>, PMS13, TPT13, ZS97]. **Logic-Based** [BMM<sup>+17</sup>]. **logical** [FGL<sup>+12</sup>, MS94]. **Logics** [DDMM22, DJ97]. **Longitudinal** [JEB<sup>+23</sup>]. **looking** [Not13, Ros13a]. **loop** [BHL11]. **loop-assigned** [BHL11]. **Loops** [RD15]. **Lop** [FMMB23b, FMMB23a]. **LSCs** [MHK11]. **LTL** [BLS11]. **Lunch** [RCAH23]. **Machine** [BLBB23, CLL<sup>+22</sup>, CZSH23, DKD21, HDKM23, LLLM23, RFR23, TWB<sup>+19</sup>, ZLW<sup>+21</sup>]. **Machine-Learning-Based** [ZLW<sup>+21</sup>]. **Machines** [PSZ21, WJ10]. **macro** [Sin10]. **macro-level** [Sin10]. **Mae** [RVMRM04]. **Maintainability** [KDM17, KDM23]. **Maintaining** [WWAC23, ZCT18]. **Maintenance** [PLMC23]. **majority** [MM13]. **Make** [BKHT21, CMM<sup>+15</sup>, SGR<sup>+23</sup>]. **Making** [SGR<sup>+23</sup>, KDM23]. **Malware** [Cai20, GHM18, WCG<sup>+21</sup>, ZLW<sup>+21</sup>, ZWY<sup>+21</sup>]. **Managed** [NWB<sup>+18</sup>]. **Management** [MGP<sup>+22</sup>, WYMW20, ZQS<sup>+23</sup>, DFOT07, ELvdH<sup>+05</sup>, Jéz99]. **Managers** [SGR<sup>+23</sup>]. **Managing** [HN98, RVMRM04]. **Manifesting** [VCP<sup>+23</sup>]. **Manifests** [RSBP23]. **Manipulation** [MS14, TTL<sup>+21</sup>, BG98]. **Manual** [BFFG19]. **Many**

- [HLL<sup>+16</sup>, HLL<sup>+20</sup>, MKS<sup>+15</sup>, XZZL18].
- Many-Objective** [HLL<sup>+16</sup>, HLL<sup>+20</sup>, MKS<sup>+15</sup>, XZZL18].
- Markov** [HGW<sup>+16</sup>, WP93]. **Marple** [LS13].
- marts** [BCC<sup>+01</sup>]. **Masked** [GZSW19, GXSC21]. **Mastering** [SPAS21].
- Matching** [ABC<sup>+22</sup>, LKRF22, WAH23, ZW95, ZW97].
- Matching-based** [ABC<sup>+22</sup>]. **Math** [SPK14]. **math.h** [BCGB21]. **math.h** [?]Bagnara:2021:PAV. **mathematical** [Sne96]. **Matter** [CL23a]. **Maturity** [VHNF22]. **MC** [GRS<sup>+16</sup>]. **MC/DC** [GRS<sup>+16</sup>]. **MDD** [MGP<sup>+13</sup>]. **MDE** [AB23].
- MDESL** [SZH<sup>+19</sup>]. **Me** [VCP<sup>+23</sup>]. **Means** [KKP<sup>+22</sup>, BG96]. **Measure** [SHLW21].
- Measurement** [PGZ<sup>+20</sup>, GD08, MGP<sup>+13</sup>].
- Measures** [MCB<sup>+23</sup>, PSW<sup>+20</sup>].
- Measuring** [BSA22, DDS23, MP09, ZSHD20, CW99].
- mechanism** [MU00, WAF00]. **mémoire** [PWB23]. **memoriam** [Ros13b]. **Memory** [AEK<sup>+16</sup>, CCXZ23, JPS22, NWB<sup>+18</sup>, PWB23, WWY<sup>+23</sup>, XCS<sup>+22</sup>, XR13].
- Memory-Safety** [XCS<sup>+22</sup>]. **Merge** [SGHM23].
- Merging** [FDB<sup>+12</sup>, RKBL19, LDUD13]. **Message** [RGS12, WXL<sup>+21</sup>, CR94].
- Meta** [ZHO<sup>+18</sup>, Kli93, HZS08]. **Meta-** [ZHO<sup>+18</sup>].
- meta-AspectJ** [HZS08].
- meta-environment** [Kli93].
- Metaconstraints** [DDMM22].
- metalocking** [BS07]. **Metamodel** [LKRF22, PBO07]. **Metamodel-based** [PBO07]. **Metamodels** [AB23].
- Metamorphic** [SDLC23]. **Method** [AB12, CF10, HGD<sup>+23</sup>, OL22, WWL<sup>+23</sup>, BRRP05, MG00, MM13]. **Method-Method** [AB12]. **Methodological** [GLFW22].
- Methodology** [LBZ14, CTC01, DCS09, FGL<sup>+12</sup>, FRB<sup>+06</sup>, HGS93, KSD08, MPR<sup>+13</sup>, MGMM11, RBL<sup>+01</sup>, SCK13, ZJW03]. **Methods** [CZSH23, KCAS23, VBZ<sup>+18</sup>, CMCP<sup>+99</sup>, DFOT07, DBDS94, Rus21]. **Metric** [AB12, VHNF22, PMS13]. **Metrics** [KS20, KS22, ZQS<sup>+23</sup>, CSC06, KK04, MSW12, MB07]. **MICOSE4aPS** [VHNF22].
- Microservice** [ZQS<sup>+23</sup>]. **Microservices** [CCRZ23]. **middleware** [EAS08, MPR06, VTA04]. **Migration** [CSW21, SPK14]. **millions** [MPG<sup>+13</sup>].
- Mined** [GXG<sup>+20</sup>]. **Minimal** [NL11].
- Minimization** [XL20]. **Mining** [BBS16, DNRN15, KL21, LCS<sup>+22</sup>, PZS<sup>+20</sup>, SPK14, SBS<sup>+23</sup>]. **Mining-based** [PZS<sup>+20</sup>].
- Misconfigurations** [RSBP23]. **Missing** [GCX<sup>+22</sup>, ZWL<sup>+22</sup>, MM13]. **Mitigation** [CZSH23, MA14].
- Mixed** [KCAS23, Rus21].
- Mixed-Methods** [KCAS23, Rus21]. **Mixin** [SB02]. **Mobile** [ETM22, JZL<sup>+19a</sup>, LCL<sup>+23</sup>, RMP97, ZE14, CFM00, FGMP03, FC00, MZ09, MR99, PRM01].
- Mobility** [JZL<sup>+19b</sup>, MPR06, PRM01].
- Mockups** [RST<sup>+14</sup>]. **modal** [WSG<sup>+23</sup>]. **Model** [ALMS22, AFHC22, ASNB19, BS16, BDL06, BS07, BHB16, CXH<sup>+21</sup>, DG17, DPRO23, EBE<sup>+14</sup>, GRS<sup>+16</sup>, GZW<sup>+23</sup>, GTD21, LKRF22, DGD<sup>+19</sup>, LCT<sup>+23</sup>, LLSM22, LGC<sup>+23</sup>, DDGR18, MMST14, NBB15, OPK<sup>+21</sup>, PVHW17, LDUD13, Rus21, TSPRC18, WWAC23, 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>+01</sup>, BSA22, FMMH<sup>+14</sup>, JZL<sup>+19b</sup>, MFLL12, MR99, MRRR02, SLD<sup>+13</sup>, SZZ<sup>+23</sup>, BCFM06, BAD08, CDP04, DCS09, DHW98, PWD<sup>+99</sup>, SB06]. **Modelling** [BZSW14, Bjø19, DGC14, DGK21, Jac02].
- Models**

[BMM<sup>+</sup>17, BMC<sup>+</sup>23, CYA22, DG18, EM18, FDB<sup>+</sup>12, GZW<sup>+</sup>23, HLL<sup>+</sup>16, JPS22, DGD<sup>+</sup>19, LLL<sup>+</sup>23, LRL<sup>+</sup>22, RGCS14, TC20, TZW<sup>+</sup>23, 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** [BUB23, 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, CCRZ23, CDEG03, CLBY18, CL23b, 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, CCRZ23].

**Multi-Objective** [CLBY18, LVBBC<sup>+</sup>18, ZHO<sup>+</sup>18, BKD<sup>+</sup>23, CL23b, 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, PORH23].

**Name** [WWL<sup>+</sup>23]. **Names** [SRTR17].

**Natural** [KJHY22, WJZ<sup>+</sup>23, XVN22, GZ05].

**need** [LYYC14]. **Needs** [CXH23]. **nesting** [MBH09].

**Network** [CWW<sup>+</sup>20, CWH<sup>+</sup>21, CGZ23, DDS23, HQM<sup>+</sup>23, QHM<sup>+</sup>23, RXX<sup>+</sup>19, WLS<sup>+</sup>20, YFD<sup>+</sup>23].

**Network-based** [RXX<sup>+</sup>19]. **Networks** [BK23, DLSC23, LLSM22, PLM15, QWG<sup>+</sup>23, SKY23, XLW<sup>+</sup>22, ZZC<sup>+</sup>23, ZSWS23, Sin10].

**Neural**  
 [BK23, CWW<sup>+</sup>20, CWH<sup>+</sup>21, CGZ23, DDS23, DLY<sup>+</sup>23, LLSM22, QWG<sup>+</sup>23, RXX<sup>+</sup>19, SKY23, TWB<sup>+</sup>19, XLW<sup>+</sup>22, YFD<sup>+</sup>23, ZYL<sup>+</sup>23, ZZC<sup>+</sup>23, ZSWS23].

**Neuron** [XLW<sup>+</sup>22]. **next** [HKMB<sup>+</sup>14]. **no** [RCAH23]. **Node** [LJL<sup>+</sup>20]. **Node.js** [ACSA23]. **NodeJS** [ZBA23]. **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** [ZZL<sup>+</sup>06].

**noninterference** [DFG00]. **notation** [FP02, Jac02]. **notations** [BP05, CDP04].

**Notebooks** [LLG23]. **Notkin** [Ros13b].

**Novice** [CZ19]. **NPC** [XLW<sup>+</sup>22]. **npm** [ACSA23, RCAH23]. **NSFuzz** [HQM<sup>+</sup>23, QHM<sup>+</sup>23]. **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, HLX23a, LHX21, MS94, TG11, WWL<sup>+</sup>23, Cal95, CTCC98, CTC01, CSC06, DFB99a, DF94, Jac02, MRR05, RS09, RM03, SS02, SB02].

**Object-Oriented**  
 [AB12, MS94, WWL<sup>+</sup>23, CTCC98, CTC01, CSC06, DFB99a, DF94, RS09, RM03, SB02].

**Object-Sensitive** [HLX23a, 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, XZL18, ZHO<sup>+</sup>18, BKD<sup>+</sup>23, CL23b, SYA21, XL20].

**Objectives** [CL23a]. **obliviousness** [HE13].

**OBSERV** [TY92]. **Observability**

- [ZQS<sup>+</sup>23]. **Observable** [HT17].  
**observational** [PSV01]. **OCL** [QT12]. **Ole** [Ano02]. **Ole-Johan** [Ano02]. **On-device** [HDKM23]. **One** [Liu22]. **Opacity** [ALMS22]. **Open** [AHGZ23, BSA22, BKHT21, CWM<sup>+</sup>20, JEB<sup>+</sup>23, KCAS23, PLZ<sup>+</sup>22, RSBP23, RGCS14, TWS<sup>+</sup>22, WFW<sup>+</sup>20, WBRH23, XGF<sup>+</sup>23, ZA23, MFH02, Sin10].  
**Open-Source** [BSA22, KCAS23, PLZ<sup>+</sup>22, RGCS14, JEB<sup>+</sup>23, 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, DPRO23, HLL<sup>+</sup>16, LLSM22, LVBBC<sup>+</sup>18, LWC<sup>+</sup>23, 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** [JEB<sup>+</sup>23, DCS09]. **Organized** [ZWCH21].  
**Orientation** [WWY<sup>+</sup>23]. **Oriented** [AB12, QWG<sup>+</sup>23, ZSL<sup>+</sup>13, AM11, CTCC98, CTC01, CWM<sup>+</sup>23, CSC06, DFB99a, DFB99b, DF94, DR10, FGL<sup>+</sup>12, HE13, DGK21, MS94, ODV<sup>+</sup>09, RS09, RM03, SB02, SGR<sup>+</sup>10, WWL<sup>+</sup>23]. **OSS** [KS22, ZMM<sup>+</sup>16]. **outcome** [GJ08].  
**Outgoing** [Ros19]. **output** [KM10, QNR13].  
**Overdue** [MUB<sup>+</sup>23]. **Overflow** [DLRA15, ARG17, GXG<sup>+</sup>20, GXL<sup>+</sup>23, WJZ<sup>+</sup>23, YZP<sup>+</sup>22, ZWCH21]. **Overhead** [RCAH23]. **overlapping** [HaK92].  
**Pacemaker** [BZSW14]. **Package** [JCSA23].  
**Packages** [VCP<sup>+</sup>23]. **Pan** [BGdV92].  
**Pandemic** [FSZ<sup>+</sup>22]. **Parallel** [HT17, KK93, PSV01, RD15, ZCH22, SMAC08].  
**Parameter** [LKA<sup>+</sup>23, TG11].  
**parameterization** [BAD08].  
**Parameterized** [MRR05]. **Parameters** [RGCS14]. **Parametric** [ALMS22, WAH23].  
**Pareto** [CL23b]. **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** [HML23, LWWM22, MGTR18, STGR21, TLP<sup>+</sup>22, YXX<sup>+</sup>23].  
**PatchCensor** [HML23]. **Patches** [KPC18, TLL<sup>+</sup>23, TWB<sup>+</sup>19, ZSW<sup>+</sup>22].  
**Patching** [CCVLW23]. **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, LZL<sup>+</sup>23, DDGR18, MS22, ZB13].  
**Peer** [RGCS14]. **Penetration** [MAKM22].  
**Perceive** [NMA<sup>+</sup>23]. **Performance** [CL23a, 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, GHGM23, LGC<sup>+</sup>23].  
**pervasive** [MZ09, XCCY10]. **phase** [JGB12]. **philosophies** [MSW12]. **Phrase** [YXZ<sup>+</sup>23]. **Phrase-based** [YXZ<sup>+</sup>23].  
**Physical** [ZTP<sup>+</sup>23, CYA22, XAY23, XTW<sup>+</sup>23]. **Pied** [MRO<sup>+</sup>23]. **Pied-Piper** [MRO<sup>+</sup>23]. **pilot** [XM08]. **Piper** [MRO<sup>+</sup>23]. **PL** [DL11].  
**Place** [MS15]. **Place-Aware** [MS15].  
**Planet** [WCJL23]. **Planning** [CSW21, OL22, ZHO<sup>+</sup>18]. **Plasticity** [BT22]. **Platform** [EHEZ21, L JL<sup>+</sup>20, LSH23, PORH23, ZOJH21]. **Platforms** [DZV<sup>+</sup>23]. **Platys** [MS15]. **Play** [CCH<sup>+</sup>21].  
**Plugins** [LSH23]. **Point** [BCGB21, BTI14].  
**Pointer** [HLX23a, LHX21]. **pointers** [OSH04]. **points** [LH08, MRR05]. **points-to** [LH08, MRR05]. **Policies** [BBS16, BKHT21, BLW09]. **Polychronous** [GGLT07]. **Polynomial** [NKWF14]. **Ponzi** [ZCZ<sup>+</sup>23]. **Popular** [CCH<sup>+</sup>21]. **Portfolio** [MPG<sup>+</sup>13]. **Post** [CDKP21, JMS08].  
**Post-release** [JMS08]. **Posteriori** [DG17].

**Posts** [ARG17, GXL<sup>+</sup>23]. potentially [ZXLC14]. **Power** [LSV08]. **Powered** [ZOJH21, CCY<sup>+</sup>21]. **Practical** [BCGB21, CWW<sup>+</sup>20, HB22, SZH<sup>+</sup>19, SSB20, YXX<sup>+</sup>23]. **Practice** [BUB23, BXL<sup>+</sup>22, ELvdH<sup>05</sup>]. **Practices** [BKHT21, WHP<sup>+</sup>23, ZTP<sup>+</sup>23]. **Practitioner** [BXL<sup>+</sup>22, HGHM23]. **pragmatic** [HW12]. **Pre** [GZW<sup>+</sup>23, LLL<sup>+</sup>23, LLZ<sup>+</sup>22, WWL<sup>+</sup>23]. **Pre-implementation** [WWL<sup>+</sup>23]. **Pre-Trained** [GZW<sup>+</sup>23, LLL<sup>+</sup>23]. **Pre-Training** [LLZ<sup>+</sup>22]. **Precise** [AB12, KMYK19, LRCS14, WWY<sup>+</sup>23, XR13, ZZC<sup>+</sup>23]. **Precision** [LHX21, PSW<sup>+</sup>20]. **Precision-Preserving** [LHX21]. **Predicting** [AHGZ23, CM23, 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, TLL<sup>+</sup>23, WWL<sup>+</sup>23, YKY<sup>+</sup>23, ZLL<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** [Bjø19]. **Prioritisation** [RFR23]. **Prioritization** [BKD<sup>+</sup>23, CCW<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]. **Problems** [ZA23]. **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** [PORH23, 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** [SYL<sup>+</sup>23, TBS92]. **products** [JMS08]. **profiling** [XR13]. **Program** [ASJDW21, BHR95, CH21, GWD<sup>+</sup>21, GRS<sup>+</sup>16, LZL<sup>+</sup>23, MTRK14, RKBL19, SBS<sup>+</sup>23, XW22, YWC16, YLM<sup>+</sup>23, 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]. **Programmer** [DAL<sup>+</sup>23]. **Programming** [AFY<sup>+</sup>22, DBNG15, BXX<sup>+</sup>20, CWM<sup>+</sup>20, CXH23, FTF22, KS20, KAT12, MZ09, SP18, WWL<sup>+</sup>23, XL20, YXK<sup>+</sup>17, HE13, Kli93, RSB05, SHO95]. **Programs** [BCGB21, BK23, CCXZ23, EK11, GXSC21, GSYT21, IC14, KMYK19, LKR22, NBMK22, WWAC23, Yu23, 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** [CM23, PWB23, ZYL<sup>+</sup>18, Sin10]. **Projections** [MQLR16]. **Projects** [ACSA23, FAP22, JA22, JEB<sup>+</sup>23, 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]. **Propagation** [HDKM23]. **Properties** [DPRO23, EHF20, LBZ14, LLSM22, CK99, DCCN04, FPB<sup>+</sup>05, JGB12, Sin10, SGE00]. **Property** [CSV13, DDE11, NBB15]. **Prospective** [Pez22]. **Protecting** [ML00, ZWGXX22]. **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** [BYTS23, KCAS23, MUB<sup>+</sup>23, PWB23].  
**purely** [FPB<sup>+</sup>05]. **PVS** [MPF14]. **Python** [BLS<sup>+</sup>23, HAB<sup>+</sup>20].
- Q&A** [UKR21]. **Q8A** [GXLG21]. **QoS** [VTA04]. **QoS-enabled** [VTA04].  
**Qualitative** [AMS<sup>+</sup>18, DZV<sup>+</sup>23]. **Quality** [AAP<sup>+</sup>20, CM23, CDKP21, CWM<sup>+</sup>23, FTF22, HCW<sup>+</sup>22, MBH<sup>+</sup>17, PLMC23, RSBO23, CF03, GL14, MGP<sup>+</sup>13].  
**Quality-oriented** [CWM<sup>+</sup>23].  
**Quantifying** [GZSW19]. **Quantitative** [ZZC<sup>+</sup>23]. **quantitatively** [CW99].  
**Quantum** [Yu23]. **Queries** [WJZ<sup>+</sup>23, WGSD07]. **Query** [LXL<sup>+</sup>22, MBH<sup>+</sup>17, RR23, WPX<sup>+</sup>23, PJRR10, WGG13]. **Question** [GXG<sup>+</sup>20, GXLG21]. **questions** [KM10].  
**Quo** [WFF<sup>+</sup>19]. **QuoTe** [CWM<sup>+</sup>23]. **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, HQM<sup>+</sup>23, ZKW<sup>+</sup>23b].  
**Re** [ZWGX22]. **Re-Randomization** [ZWGX22]. **Reachability** [LHX21, CK96, CK99, PTY95]. **Reactions** [BYTS23]. **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, GXL<sup>+</sup>23, SIB23, WYW<sup>+</sup>22].  
**Recommendations** [OPK<sup>+</sup>21, PDHR23].  
**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, LLG23, 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].  
**Reformulations** [RR23]. **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]. **related** [HGHM23].  
**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** [KDM23, ZL13, JMS08, PMM<sup>+</sup>99, Wey96].  
**Reliable** [LZL<sup>+</sup>23]. **Remodularization** [CBRO16, MKS<sup>+</sup>15]. **Remote** [SBBL23].  
**Remote-Code** [SBBL23]. **Removal** [WRD<sup>+</sup>22]. **Removing** [LCZL14, HZZ13].  
**Renaming** [ZLL<sup>+</sup>23]. **Renamings** [DLY<sup>+</sup>23]. **Repair**

- [AFY<sup>+</sup>22, CTC<sup>+</sup>23, GWD<sup>+</sup>21, LZL<sup>+</sup>23, NBB15, OPK<sup>+</sup>21, PVHW17, SKY23, YLM<sup>+</sup>23, YABLR20, YB20]. **Repairing** [QWG<sup>+</sup>23, Mem08]. **Replicability** [LGX<sup>+</sup>22]. **Replication** [NXL<sup>+</sup>22, RRPW21]. **Report** [FMMB23a, HQM<sup>+</sup>23, ZHV<sup>+</sup>23, ZKW<sup>+</sup>23b, AM11, KKP<sup>+</sup>23]. **Reported** [DZV<sup>+</sup>23]. **Reports** [AHGZ23, KS20, ZSL<sup>+</sup>22]. **Repositories** [GZW<sup>+</sup>23, Hen97]. **Repository** [DNRN15, SBS<sup>+</sup>23]. **Representation** [BC23, EW11, KKP<sup>+</sup>22, LLZ<sup>+</sup>22, WLS<sup>+</sup>20, ZLS<sup>+</sup>23]. **representations** [BGL00]. **Representing** [RM07, DER10]. **Reproducibility** [LGX<sup>+</sup>22]. **Reproducing** [JO15]. **Reproduction** [ZSL<sup>+</sup>22]. **Request** [BYTS23, PWB23]. **Request-Issue** [PWB23]. **Requests** [KCAS23, MUB<sup>+</sup>23]. **Required** [LK14]. **Requirements** [DPB17, GL11, HGHM23, 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, PDHR23, SF18, WCP<sup>+</sup>22, EAS08, ELvdH<sup>+</sup>05, RSB05]. **Residual** [LRCS14]. **Resilient** [GHM18]. **Resistance** [GZSW19]. **Resolution** [BFFG19]. **Resolving** [AHGZ23]. **Resource** [WRD<sup>+</sup>22]. **Resource-constrained** [WRD<sup>+</sup>22]. **Respect** [DLY<sup>+</sup>23]. **Response** [GZX<sup>+</sup>22, TAW95]. **Responses** [LSB<sup>+</sup>23]. **REST** [MZA22, ZA22]. **RESTful** [Arc19, ZA23]. **restructuring** [BG98, GN93]. **Result** [BLS<sup>+</sup>23]. **results** [DO93, PJRR10]. **Retain** [WWAC23]. **retargetable** [Dev99]. **Retention** [ZMM<sup>+</sup>16]. **Retraining** [AFPB23]. **Retrenchment** [Ban23]. **Retrieval** [MBH<sup>+</sup>17, SURL11, WXL<sup>+</sup>21, WSG<sup>+</sup>23, ZWCH21, DFOT07, PGM12]. **Retrieval-based** [WXL<sup>+</sup>21]. **Retrieving** [PP93, WJZ<sup>+</sup>23]. **Retrospective** [Pez22]. **Return** [ZWGX22]. **reusable** [BO92, PP93]. **Reuse** [FSP<sup>+</sup>13, HLX<sup>+</sup>23b, DGD<sup>+</sup>19, VHNF22, EF05, Hen97, HW12, MC08, OHDB92]. **Reveal** [HLX<sup>+</sup>23b]. **Revealing** [MRO<sup>+</sup>23]. **reverse** [AM04]. **Review** [AMV23, GZX<sup>+</sup>22, LCS<sup>+</sup>22, RR23, RGCS14, SBMK21, TG23, WCP<sup>+</sup>22, WCJL23, HBB<sup>+</sup>09]. **Reviewers** [ACM03]. **Reviews** [BUB23, CCH<sup>+</sup>21, STDB23]. **revisit** [CCX11]. **revisited** [GD08]. **Revisiting** [MB20, SYL<sup>+</sup>23]. **Rewards** [PBU16]. **rewriting** [VKV03]. **RFC** [TCDZ19]. **RFC-guided** [TCDZ19]. **rich** [RKBL19]. **Rise** [LGC<sup>+</sup>23, WCJL23]. **Risk** [GL11, LBZ14, MGP<sup>+</sup>22, XCKX13]. **Roads** [LSM23]. **Robotic** [AMV23]. **Robust** [NAF<sup>+</sup>23]. **Robustness** [ABC<sup>+</sup>22, HAY<sup>+</sup>23, HML23, WWAC23, ZFL<sup>+</sup>22, ZZS<sup>+</sup>22]. **Role** [SPAS21, GJ08]. **Route** [LSM23]. **router** [CR94]. **RPC** [ZAL<sup>+</sup>23]. **RPC-Based** [ZAL<sup>+</sup>23]. **rule** [Cia93, Kip92, MM13]. **rule-based** [Cia93, Kip92]. **Rules** [ARG17, MFLL12, KK04]. **Run** [ZH<sup>+</sup>21]. **Run-time** [ZH<sup>+</sup>21]. **Runtime** [AVY11, BLS11, EKL<sup>+</sup>19, XMA<sup>+</sup>14, ZWGX22, BLW09]. **Rust** [CXH23, CCXZ23, XCS<sup>+</sup>22].
- SAEO** [GSYT21]. **Safe** [LSN<sup>+</sup>23, BRR01, BTI14, RH97]. **SafeDrop** [CCXZ23]. **Safety** [AFPB23, DZV<sup>+</sup>23, FPBS23, XCS<sup>+</sup>22, BFN<sup>+</sup>14, CK99, SGE00, SRK06]. **Safety-critical** [FPBS23]. **SAFKASI** [WAF00]. **Saltzer** [PDHR23]. **Sample** [ZLW<sup>+</sup>21]. **Sampling** [DDE11, PP93, PMM<sup>+</sup>99]. **Sanity** [WYMW20]. **SAT** [AGR19, XZZL18]. **SAT/SMT** [AGR19]. **satisfiability** [BM13, PMS13]. **Sator** [BPT10]. **SBST** [ZBA23]. **Scala** [ARL<sup>+</sup>15]. **Scalability** [CCRZ23]. **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]. **Schemes** [ZCZ<sup>+</sup>23]. **Schroeder** [PDHR23]. **scientific** [CY11, EF05, LYCY14]. **Scope** [MB20]. **Scoping** [WPX<sup>+</sup>23]. **Scores** [RO18]. **Screen** [RST<sup>+</sup>14]. **Screencasts** [BXX<sup>+</sup>20]. **Scripts** [RRPW21, RO18]. **Scrum** [VR23]. **SEADS** [FCLL21]. **SEAL** [SBS<sup>+</sup>23]. **Search** [AAP<sup>+</sup>20, AG22, AVAS23, BS16, CCX<sup>+</sup>20, CL23b, OKS<sup>+</sup>16, RR23, SYA21, SMBO21, SURL11, SKY23, SED14, TC20, WPX<sup>+</sup>23, XL20, ZYL<sup>+</sup>23, ZHO<sup>+</sup>18, ZZY<sup>+</sup>21, ZA22]. **Search-Based** [OKS<sup>+</sup>16, SMBO21, SKY23, ZA22, AAP<sup>+</sup>20, AG22, AVAS23, CL23b, XL20]. **Searching** [GXL<sup>+</sup>23, LXL<sup>+</sup>22, MCB<sup>+</sup>23, MPG<sup>+</sup>13, ZXZ<sup>+</sup>21]. **second** [TPT13]. **second-order** [TPT13]. **section** [NP08]. **Secure** [ZQS<sup>+</sup>23]. **Securing** [ZCZ<sup>+</sup>23]. **Security** [AMGBK22, LSB<sup>+</sup>23, PDHR23, RRPW21, RSBP23, RPT<sup>+</sup>22, SGR<sup>+</sup>23, SIB23, ZQS<sup>+</sup>23, ZSW<sup>+</sup>22, BDL06, BLW09, CJM00, WAF00]. **See** [KKP<sup>+</sup>22]. **Seeding** [AVAS23]. **Seeds** [AVAS23]. **Seeing** [YLM<sup>+</sup>23]. **segments** [LS13]. **Selecting** [PLMC23]. **Selection** [AVAS23, HLL<sup>+</sup>16, HGC<sup>+</sup>22, JS23, 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]. **sem2vec** [WMW<sup>+</sup>23]. **Semantic** [BAD08, CLL<sup>+</sup>22, HLX<sup>+</sup>23b, MB15, PJRR10, WSG<sup>+</sup>23, YXX<sup>+</sup>23, YHL<sup>+</sup>22, MG00, KKP<sup>+</sup>22]. **Semantic-Based** [CLL<sup>+</sup>22]. **Semantic-Enriched** [HLX<sup>+</sup>23b]. **Semantics** [EHF20, LXL<sup>+</sup>22, LK14, SZH<sup>+</sup>19, WMW<sup>+</sup>23, XTW<sup>+</sup>23, YFD<sup>+</sup>23, HN96, YHR92]. **Semantics-aware** [WMW<sup>+</sup>23]. **semantics-preserving** [YHR92]. **SemMT** [CLL<sup>+</sup>22]. **Sense** [SGR<sup>+</sup>23]. **Sensing** [BZSW14]. **Sensitive** [HLX23a, LKR22, LHX21, SGD15, SCL<sup>+</sup>23, ZHS<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, LWC<sup>+</sup>23, WCJL23]. **Service** [HQ<sup>+</sup>23, LWC<sup>+</sup>23, QHM<sup>+</sup>23, 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** [SZZ<sup>+</sup>23, BRG<sup>+</sup>01]. **Signature** [ZW95]. **Significance** [YKY<sup>+</sup>23]. **Significant** [HZBS14]. **Similarity** [JFJ<sup>+</sup>23, KS22, NAF<sup>+</sup>23, TLP<sup>+</sup>22, YXX<sup>+</sup>23, OHDB92]. **Similarity-based** [NAF<sup>+</sup>23]. **simplified** [JW94]. **Simulating** [FS93, KDM23]. **Simulation** [Ban23, EHF20, KKLS02]. **Simulator** [FPBS23]. **Simulator-based** [FPBS23]. **Single** [BKD<sup>+</sup>23, ZCT18]. **SIP** [HLL<sup>+</sup>16]. **Site** [GXLG21]. **Sites** [UKR21]. **Six** [Pez23]. **Size** [LLL23, BGH07, GD08, HGS93, MGP<sup>+</sup>13, TZZ09, ZXLC14]. **slice** [BGH07, MB07]. **slice-based** [MB07]. **slices** [BFN<sup>+</sup>14]. **Slicing** [SNM23, XMA<sup>+</sup>14, GSH97, LH02, TD01]. **slicing-based** [TD01]. **SLR** [PDHR23]. **Small** [HZBS14, Sin10]. **small-world** [Sin10]. **Smalltalk** [CL94]. **Smart**

[AGHC<sup>+</sup>22, ASJA23, CXLG22, HSB<sup>+</sup>23, HLX<sup>+</sup>23b, YABLR20, ZOJH21, ZCZ<sup>+</sup>23]. **SMC** [SGE00]. **Smell** [SKBD14]. **Smells** [AROK21, DLT<sup>+</sup>23, HZBS14, NMA<sup>+</sup>23, RRPW21]. **SMT** [AGRR19, CH21]. **SNIAFL** [ZZL<sup>+</sup>06]. **Snippet** [GXL<sup>+</sup>23]. **Snippets** [GXG<sup>+</sup>20]. **SNOW** [Liu22]. **SNOW-optimal** [Liu22]. **Socio** [JA22]. **Socio-Technical** [JA22]. **Sociotechnical** [KAS20]. **Software** [AAP<sup>+</sup>20, AHGZ23, BNB14, BXL<sup>+</sup>22, BSA22, BKHT21, Böh18, CL22, CBRO16, CTA<sup>+</sup>21, CLBY18, CCY<sup>+</sup>21, CL23a, CL23b, CWH<sup>+</sup>21, CSW21, CW99, CFL<sup>+</sup>16, CZ19, DZV<sup>+</sup>23, DHW98, DLY<sup>+</sup>23, DR15, DNRN15, EWS14, EM18, EF05, EW11, FSZ<sup>+</sup>22, FSM<sup>+</sup>15, FTF22, GZSW19, GLFW22, HGHM23, HLL<sup>+</sup>20, HH95, JPS22, JEB<sup>+</sup>23, KS22, KDM23, KPC18, LLLM23, LCS<sup>+</sup>22, LGX<sup>+</sup>22, LGC<sup>+</sup>23, LSB<sup>+</sup>23, MNB<sup>+</sup>22, MFBB<sup>+</sup>22, MGP<sup>+</sup>22, MFLL12, MBH<sup>+</sup>17, MY13, MB20, MKS<sup>+</sup>15, MZW<sup>+</sup>23, MKR<sup>+</sup>23, 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, WSG<sup>+</sup>23, 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]. **software** [FK96, FLM<sup>+</sup>98, GJ08, Gun00, HBB<sup>+</sup>09, Hen97, HW12, JPL98, JMS08, KK93, LASL13, LSV08, MMST14, MRRR02, MSW12, MFH02, MC08, NLR11, NP08, Off92, ODV<sup>+</sup>09, PSV01, PP93, PMM<sup>+</sup>99, PSMV98, Rob08, RSB05, SRK06, SN92, SHO95, TZ09, 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** [AHGZ23, BSA22, BKHT21, CWM<sup>+</sup>20, DNRN15, GGH<sup>+</sup>23, HNRA20, KS20, KCAS23, KJHY22, LLL<sup>+</sup>23, MB15, PZS<sup>+</sup>20, PLZ<sup>+</sup>22, RSBP23, RR23, RGCS14, SGR<sup>+</sup>15, SRTR17, SED14, SZZ<sup>+</sup>23, TWS<sup>+</sup>22, WLS<sup>+</sup>20, WFW<sup>+</sup>20, WBRH23, XGF<sup>+</sup>23, ZHS<sup>+</sup>23, Dev99, DER10, JEB<sup>+</sup>23, 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, ZRG23, CD98, DBDS94]. **Spaces** [WSG<sup>+</sup>23]. **Special** [HP15, MP14, NP08]. **specialization** [SS02]. **Species** [Böh18]. **Specific** [ZZW<sup>+</sup>23, 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, YXX<sup>+</sup>17, MSW12, XCKX13]. **Spectrum-Based** [TSPRC18, YXX<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, GXL<sup>+</sup>23, WJZ<sup>+</sup>23, YZP<sup>+</sup>22, ZWCH21]. **Stacks** [ZWGX22]. **STADS** [Böh18]. **Stages**

- [LSN<sup>+</sup>23]. **Stand** [UGKR22]. **Stand-alone** [UGKR22]. **Standard** [WWAC23]. **start** [LWC<sup>+</sup>23]. **State** [ASJA23, EM18, HQM<sup>+</sup>23, MS14, PSZ21, QHM<sup>+</sup>23, RWEB19, WB13, Cor00, DBDS94, WJ10]. **State-Aware** [HQM<sup>+</sup>23, QHM<sup>+</sup>23]. **State-Based** [WB13]. **statecharts** [BRG<sup>+</sup>01, HaK92, HN96]. **Stateful** [BPSSA<sup>+</sup>22, SLD<sup>+</sup>13]. **STATEMATE** [HN96]. **Statement** [BC23]. **Statement-Based** [BC23]. **States** [LCZL14]. **Static** [CTC<sup>+</sup>23, CCXZ23, HNRA20, IWY00, KMYK19, LZL<sup>+</sup>23, RD15, RWEB19, RM03, VLJ<sup>+</sup>18, WGSD07, ZCZ<sup>+</sup>23, BGH07, FPB<sup>+</sup>05, GSH97, MNGL98, OO92, ZZL<sup>+</sup>06]. **Statically** [CWH<sup>+</sup>21, CCVLW23]. **Statistical** [RGCS14, ZNZ<sup>+</sup>23]. **Status** [WFF<sup>+</sup>19]. **Step** [BS16, SLB<sup>+</sup>21]. **Stepwise** [EK11]. **Stochastic** [CFL<sup>+</sup>16]. **Storage** [ASJA23, ZWGX22]. **Strategies** [AVAS23, JCSA23]. **strategy** [JW94]. **Stratified** [DPRO23, PMM<sup>+</sup>99]. **StreamGen** [GTD21]. **Streaming** [GTD21]. **strength** [MP09]. **Stress** [DBNG15]. **string** [TPT13]. **strings** [KGA<sup>+</sup>12]. **Strong** [AVAS23]. **Structural** [Kip92]. **Structure** [GGH<sup>+</sup>23, GRS<sup>+</sup>16, WB13, RM03]. **Structure-Guided** [GGH<sup>+</sup>23]. **Structured** [Yu23, BP98]. **Structures** [JEB<sup>+</sup>23, KDM17]. **Structuring** [Jac95b]. **Stubborn** [CPCT21]. **Studies** [Cai20, DAL<sup>+</sup>23, SPAS21, BM07, CD98, HBB<sup>+</sup>09, MFH02]. **Study** [AROK21, AMGBK22, BYTS23, BAJA23, CWM<sup>+</sup>20, CCH<sup>+</sup>21, CZSH23, CXH23, DKD21, EHEZ21, FAP22, FSM<sup>+</sup>15, GZW<sup>+</sup>23, GLL<sup>+</sup>21, HGC<sup>+</sup>22, HGD<sup>+</sup>23, JEB<sup>+</sup>23, KCAS23, LLSM22, LLS<sup>+</sup>21, NXL<sup>+</sup>22, ODE21, OKS<sup>+</sup>16, PORH23, PZS<sup>+</sup>20, RRPW21, RSBP23, Rus21, SBBL23, SGHM23, TTL<sup>+</sup>21, TWB<sup>+</sup>19, UGKR22, VCP<sup>+</sup>23, VLJ<sup>+</sup>18, XCS<sup>+</sup>22, YZP<sup>+</sup>22, ZTP<sup>+</sup>23, ZOJH21, ZE14, ZHO<sup>+</sup>18, ZA22, ZAL<sup>+</sup>23, ZMM<sup>+</sup>16, BJMH02, BRR01, BGH07, CF10, GHK<sup>+</sup>01, MB07, MNGL98, PSV01, SMT92, SR05, Tiw08, TBS92, XM08, ZXLC14]. **Studying** [OSD<sup>+</sup>23]. **style** [AAG95]. **Subject** [DPB17]. **Suboptimal** [WHP<sup>+</sup>23]. **Substantial** [WWAC23]. **Subtle** [ZWS23]. **Success** [Rus21, Sin10]. **Successful** [JA22]. **Such** [RCAH23]. **Sufficient** [MCB<sup>+</sup>23, OLR<sup>+</sup>96]. **Suggestion** [ODE21, ZLL<sup>+</sup>23]. **Suite** [HLL<sup>+</sup>20, Ber94, HGS93, Pet97, REM<sup>+</sup>04, XL20, YTL<sup>+</sup>95]. **Suites** [GGZ<sup>+</sup>15, Mem08]. **Summaries** [CTC<sup>+</sup>23, PXJ17]. **Summarization** [CXH<sup>+</sup>21, GGH<sup>+</sup>23]. **Super** [AGHC<sup>+</sup>22]. **Super-optimization** [AGHC<sup>+</sup>22]. **Support** [DBNG15, JO15, SUR11, ZCT18, BFN<sup>+</sup>14, HWH14, MS03, RM03]. **Supporting** [BG98, DR10, Ham09, MPR06]. **Surprise** [KFY23]. **Survey** [BUB23, MFBF<sup>+</sup>22, PKHM22, TZ<sup>+</sup>23, TWS<sup>+</sup>22]. **Surveys** [WFF<sup>+</sup>19]. **Sustainability** [Cai20]. **Symbolic** [AEK<sup>+</sup>16, BHB16, CPCT21, Esh06, KPC18, LCZL14, RGS12, WCB<sup>+</sup>20, YPRK14, BGL00, CDEG03, QNR13, SMAC08]. **symmetry** [SGE00]. **symmetry-based** [SGE00]. **symposium** [NP08]. **Synchronisation** [AGR19]. **Synchronization** [YKY<sup>+</sup>23, YXM<sup>+</sup>23]. **synthesis** [MMST14]. **synthesized** [PWX14]. **Synthesizing** [DBPU13, WJ10, XW22, DL13]. **Synthetic** [SMY19]. **SysML** [BFN<sup>+</sup>14]. **System** [AG20, BLX<sup>+</sup>20, CYA22, KFY23, LBZ14, PBU16, SSB20, TZ<sup>+</sup>23, ZA22, ZCT18, BGdV92, CDSM10, IWY00, MMST14, MG00, OHDB92, RVMRM04, TBS92, WME93]. **system-level** [MMST14]. **Systematic** [AMV23, LCS<sup>+</sup>22, RR23, SBMK21, TG23, VHNF22, WCP<sup>+</sup>22, WCJL23, HBB<sup>+</sup>09, MS03]. **Systematically** [YLM<sup>+</sup>23]. **Systematizing** [HW12]. **SystemC**

[YJW<sup>+</sup>20]. **Systems**

[AMS<sup>+</sup>18, AGRR19, AMV23, AFHC22, AVY11, AHGZ23, BNB14, BT22, CLL<sup>+</sup>22, CWM<sup>+</sup>20, CWM<sup>+</sup>23, CGZ23, DL11, DPB17, DDI22, EKL<sup>+</sup>19, FPBS23, FDC<sup>+</sup>21, FCLL21, HAY<sup>+</sup>23, KAS20, LKA<sup>+</sup>23, LSN<sup>+</sup>23, MPT<sup>+</sup>21, MFBF<sup>+</sup>22, NWB<sup>+</sup>18, OSD<sup>+</sup>23, PSW<sup>+</sup>20, SYA21, TG11, WI23, XAY23, XTW<sup>+</sup>23, YBZK21, ZTP<sup>+</sup>23, ZHZ<sup>+</sup>21, ZRGT23, BO92, BCD02, Bro93, Cal95, CMP13, CY11, CFM00, CRST12, CDFG96, DFOT07, DJ97, DKM<sup>+</sup>94, DCCN04, FM94, FP02, FS93, GM01, JGB12, Kip92, KK04, LYCC14, MU00, MS94, MRK<sup>+</sup>97, Ost99, ODV<sup>+</sup>09, Pon02, RM03, SLD<sup>+</sup>13, TZZ09, THHB06, WAF00, ZJW03].

**TACCLE** [CTC01]. **Tactics** [YBZK21].

**Tagger** [WYMW20]. **tailoring** [CF10].

**Taint** [HB22]. **Taken** [LSM23]. **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, PLMC23, TTL<sup>+</sup>21].

**Taxonomy** [RFR23, UFG14]. **Team**

[VR23]. **Teams** [CFL<sup>+</sup>16]. **Technical**

[GXLG21, GLL<sup>+</sup>21, JA22, RXX<sup>+</sup>19, UKR21].

**technique** [KKLS02, RH97, SS06, SB02].

**Techniques** [Bjø19, DPRO23, RD15,

BRR01, GHK<sup>+</sup>01, SM12]. **technology**

[EAS08]. **telecom** [MC08].

**telecommunication** [Zav04]. **Templates**

[CWM<sup>+</sup>20]. **Temporal**

[CY11, DDMM22, Pon02, LYCC14, PMS13].

**Tensor** [BSA22, YFD<sup>+</sup>23]. **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,

CCW<sup>+</sup>23, 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, JS23,

KB07, MPT<sup>+</sup>21, MZA22, MWK15, MGTR18,

NAF<sup>+</sup>23, PLP<sup>+</sup>23, RFR23, SYA21, SMBO21, SSB20, SYL<sup>+</sup>23, 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, BK23, CLL<sup>+</sup>22, CWW<sup>+</sup>20, CS22, CWM<sup>+</sup>23, DPB17, DDS23, GJS<sup>+</sup>23, GGGU21, Hie14, HML23, KFY23, KPC18, LKA<sup>+</sup>23, LCT<sup>+</sup>23, LSM23, 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, TZZ<sup>+</sup>23, TCDZ19, TAA<sup>+</sup>19, WPB19, WSG<sup>+</sup>23, ZSHD20, ZSWS23, 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**

[WSG<sup>+</sup>23, Ham09]. **Tests**

[GWD<sup>+</sup>21, PKHM22, SPK14, WC23, ZE14].

**TestSGD** [ZSWS23]. **Text** [MBH<sup>+</sup>17].

**Their** [AMGBK22, WB13, MPG<sup>+</sup>13].

**Them** [NMA<sup>+</sup>23]. **Theorem** [Yu23].

**theoretic** [YHC13]. **Theoretical**

[SZH<sup>+</sup>19, YXK<sup>+</sup>17, XCKX13]. **Theory**

[FSP<sup>+</sup>13, RGCS14, VR23, 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, MRO<sup>+</sup>23]. **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]. **Times** [PORH23]. **Tiny** [HDKM23]. **Titles** [GXG<sup>+</sup>20]. **TLS** [NWZ<sup>+</sup>23, TCDZ19]. **TLTL** [BLS11]. **Token** [HSB<sup>+</sup>23, MRO<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, ZA23, DRW96, Tiw08]. **Topics** [AHGZ23, BGO<sup>+</sup>14]. **Topology** [Rob08]. **TOSEM** [Pez23]. **TOTA** [MZ09]. **Toxic** [STDB23]. **ToxiCR** [STDB23]. **Trace** [MWP<sup>+</sup>21, ZLS<sup>+</sup>23, HZZ13]. **Trace-Based** [MWP<sup>+</sup>21]. **Traceability** [BFN<sup>+</sup>14, DFOT07]. **Tracelet** [WMW<sup>+</sup>23]. **Traces** [DDMM22, MWP<sup>+</sup>21]. **Tracking** [HB22, DER10]. **Trading** [HE13]. **Trained** [GZW<sup>+</sup>23, LLL<sup>+</sup>23]. **Training** [BK23, LLZ<sup>+</sup>22, LGC<sup>+</sup>23]. **Trait** [PSZ21]. **Transaction** [PORH23]. **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]. **Transformers** [HML23]. **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]. **Trends** [TZZ<sup>+</sup>23]. **triage** [AM11]. **Triggering** [ZSL<sup>+</sup>13, FPBS23]. **TRIO** [FM94]. **trustability** [HH95]. **Tuning** [CL23a, LLSM22]. **Turnover** [ZLT<sup>+</sup>22]. **Tutorials** [WJZ<sup>+</sup>23]. **Twin** [XAY23]. **Twin-based** [XAY23]. **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]. **UAV** [DZV<sup>+</sup>23]. **UI** [CCX<sup>+</sup>20, CCH<sup>+</sup>21, LSM23]. **Ultra** [DNRN15, L JL<sup>+</sup>20]. **Ultra-Large-Scale** [DNRN15, L JL<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, HAY<sup>+</sup>23, LKA<sup>+</sup>23, OL22, SBMK21, WPB19, ZZY<sup>+</sup>21, GJ08]. **Uncertainty-Aware** [HAY<sup>+</sup>23, CYA22]. **Uncertainty-wise** [ZZY<sup>+</sup>21]. **Uncovering** [YLM<sup>+</sup>23]. **Understand** [GL11, AAG95]. **Understandable** [CZ19]. **Understanding** [ASMP16, CLS<sup>+</sup>23, DLRA15, DKD21, KCAS23, LTX19, NWB<sup>+</sup>18, PSMV98, YLM<sup>+</sup>23]. **Unified** [HZZ<sup>+</sup>14, HMW23, ZS97, MRRR02]. **Unifying** [CST16, RS09]. **UniLoc** [HMW23]. **Uniqueness** [WC23]. **Unit** [FA14, FSM<sup>+</sup>15, KSD08, MJS<sup>+</sup>21, SPK14]. **Unit-level** [KSD08]. **UNITY** [MR99, PRM01, RMP97]. **Unknown** [SGR<sup>+</sup>23]. **Unknowns** [HLX<sup>+</sup>23b]. **Unnecessary** [HNRA20]. **Unsupervised** [YXZ<sup>+</sup>23]. **until** [JGB12]. **Unveiling** [WFW<sup>+</sup>20]. **Update** [JCSA23, NPB22]. **Update-driven** [NPB22]. **Upgrade** [ZZW<sup>+</sup>23]. **upper** [CM08]. **Usage** [DKD21, DLT<sup>+</sup>23, GZW<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, DAL<sup>+</sup>23, 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>+16</sup>, SYA21, STDB23, Wey96, XM08, XMA<sup>+14</sup>, XTW<sup>+23</sup>, YZP<sup>+22</sup>, ZCZ<sup>+23</sup>, ALMS22, CK99, DFOT07, DFG00, IWY00, KK04, LS13, LH08, ML00, PGM12, SLD<sup>+13</sup>, TC20, UKM04, XR13, ZW95]. **utility** [CSC06]. **UTP** [XTW<sup>+23</sup>].

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