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1 [XTZ⁺23]. ² [LLS23]. . [LL23a]. *d* [HL20].
F. [LZL⁺24]. *F* ∞ [RHdSOZ23]. *ι* [KLL20].
λ [FKR20, KyKS22, SC18]. *λ_s* [SMC21]. *λω*
[VS20]. *O*(1) [AZMV23]. *ω* [AKK⁺21]. *Π*
[BCRA18]. *Σ* [BCRA18].

-calculi [KyKS22]. **-calculus** [FKR20].
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.NET [PVV⁺17].

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3C [MKM⁺22]. **3CPS** [QRS22].

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CJdSO23, HZWW24, WJS23, AJRG21, ABM⁺21, BMTZ21, BMTZ22, BGPT19, KESJ18, MJ21]. **bounded-memory** [ABM⁺21]. **Bounds** [CFGH23, CGMŽ24, FCS⁺23, SGL⁺23, AGLK18, HKGK20]. **Bowtie** [RHdSOZ23]. **boxes** [BSLBG22]. **Bracketed** [TGB24, SDB19]. **brainer** [DMS17]. **breaking** [GRS⁺21, MNT20]. **Bridging** [HQK⁺24, LMÖ⁺22, WDR18]. **Bring** [SBMM23]. **broken** [AZMT18, GJK⁺21, HFS22]. **Browser** [ZZG⁺23, KSP22]. **Bug** [CCL⁺23, LHZQ24, DRS21, LWNN19, PS18]. **Bugs** [LMD23, LHP⁺24, PP22, ZWR24, ZCG⁺24, BSPC19, BFSK20, CSD⁺21, LRV⁺22, MN18, RS20, SYW⁺21, SJL19, WZS19]. **Build** [MMJ18, SMTH20, SCMS20, WSH⁺19]. **Building** [ZZX⁺23, DFPG21, WLH⁺17]. **built** [DTM⁺18]. **built-in** [DTM⁺18]. **Bullet** [CLO⁺23]. **bunch** [FDvdHP22]. **bunched** [FDvdHP22]. **bureaucracy** [Chl21]. **Bytecode** [LKBM23, CNRG19, WMLK18, XK21]. **Byzantine** [HQK⁺24, VREV19, WBdG⁺23].

C [BDCN20, BBG⁺20, COHY17, CZW24, CNH20, ESDH21, EBP⁺23, GLBP22, GHS⁺23, KKCv17, KLSV18, LSM⁺22, LBR20, LBR23, MKM⁺22, MD24, MRdAP18, PMS⁺23, SCK⁺20, Str20, WCMH19, WXWS20, WZSK22, WCH⁺19, XL21, ZCH23]. **C-assembly** [SCK⁺20]. **C-like** [COHY17]. **C/C** [KLSV18]. **C11** [DD22, ML21, TAC⁺23, YM21]. **C11-Style** [TAC⁺23, ML21]. **C4** [LyXK⁺22]. **CAAT** [HMdL22]. **Cache** [MWT⁺23, BKPS18, BZKT21, GCY⁺20, XCB⁺18]. **caching** [BC18, WSG⁺20]. **Cake** [BLH23, YNS⁺23]. **CakeML** [GLPS⁺20, ONK⁺17, SMT⁺23]. **Cakes** [SMT⁺23]. **Calculating** [BH23, PH21]. **calculation** [BH22]. **Calculational** [Cou24]. **Calculi** [AGK23, KyKS22, VRC22]. **Calculus** [ABC⁺23, BKK⁺23, BDS23, CK24a, GSF⁺23, YTO23, ABH⁺21, BGM19, BMP20, CdV20, DdVMY19, FKR20, FKT21, Ham17, KLL20, Mor19, Tej20, ZK22]. **Call** [CZ23, CGK⁺23a, HH19, SMS24, WMWW24, ZZX⁺23, AG22, BBBK17, BCD22, FKR20, JO22, KMLD20, PWS20, ST21]. **Call-by-need** [HH19]. **call-by-push-value** [KMLD20]. **call-by-value** [AG22, FKR20, HH19, ST21]. **call-site** [JO22]. **Callback** [MMKC23, GAGG⁺18]. **Callbacks** [Thi23, AGR⁺20]. **calling** [DAJE20]. **calls** [ONK⁺17]. **CAMP** [CPY20]. **Can** [CAMS20, GFD23, RFH⁺22, CSD⁺21, JGMP22, JO22]. **canonical** [BvGKJ17, BCH⁺22, FJM19]. **Capabilities** [ACC⁺23, MSS⁺23, BSO20, BSLBG22, CK20, GGV⁺21, GTB22, SDB19, SKB⁺22, VPD19]. **capability** [GGV⁺21, GTB22, SBO20, SGD17]. **capability-passing** [SBO20]. **Capturing** [KSSL18]. **care** [BPPS18]. **Carte** [PST⁺23, MMJ18, vdrPR⁺22]. **Case** [DTPW24, WL23, BGWXP22, WH19]. **cases** [CLNL22]. **cast** [MHN19]. **Casting** [MHN19]. **Casts** [CCW18, LSM⁺22]. **Catala** [MCP21]. **Catching** [TDJ⁺23]. **Categorical** [Mel19, ABG⁺21]. **Categories** [AFK⁺24, CK18, CS21, Ell17a]. **category** [KyKS22]. **category-theoretic** [KyKS22]. **Causal** [CC23, CRK24, DTSLT23, FM24, GGN⁺21]. **Causality** [CC23]. **cause** [WMW18]. **causes** [BFSK20]. **Cedar** [CDE⁺24]. **Cedille** [SJS20]. **Celsius** [BL22]. **Centric** [PMC⁺23, CCP⁺18a, CPT19]. **cérises** [GTB22]. **CertiCoq** [PLA21]. **Certificates** [LCT⁺23, CMS22]. **certification** [MMS⁺22, USM22, UCWZ20]. **Certified** [SBM20, HH20, JBK22b, SScWS19]. **Certifying** [IEC22, WCMH19, WGP⁺21]. **CFA** [JO22]. **CFL** [CMS22, KD23, Mil20, SWYZ22]. **CFL-based** [Mil20]. **CHAD** [SV24].

Chains [MDPS23]. **changes** [BAY20, GRS⁺21, MNT20]. **changing** [Str20]. **Channel** [GZS⁺23, MWT⁺23, FDvdHP22, GCY⁺20, SM20]. **channel-based** [FDvdHP22, SM20]. **channels** [BZKT21]. **Chaperone** [MP17]. **Characteristics** [MKC⁺23]. **Chase** [CGL⁺23a]. **CHC** [GTU23]. **check** [FZL18]. **checked** [MKM⁺22]. **checker** [GJS20]. **checkers** [PES20, RvAP⁺20, ZvAV22]. **Checking** [BERC23, CJPR24, DG24, KTST23, KLV23, KPH22, TAC⁺23, ZWS23a, AAJN18, AAJ⁺19, BE19, CVG⁺17, KLSV18, KRV19, KKT19, MKV22, SBF⁺20, TU22, UAM17, YNIC19, ZvAV22]. **checkpoints** [MCL17]. **chemistry** [OLC⁺18]. **Chez** [FDD⁺19]. **child** [BS17]. **chip** [OLC⁺18]. **Choice** [AB23, CHH⁺23]. **Choreographic** [SKK23]. **choreographies** [HG22, MYZ20]. **Ciphers** [SSCC24]. **Circuit** [KO23, LPM⁺24, PDBV24, XMP⁺23]. **Circuits** [CCL⁺23, PCW⁺23, HRH⁺21, Mat22]. **clairvoyant** [HH19]. **Clarke** [LYSM22]. **Class** [PBGFC24, ZWS23b, BXMS19, EDWL21, HLL20, Kov20, ML20a, XCIL22, XPL⁺22]. **classes** [SKR20, ZM17]. **Classical** [VLRH23, KMP19]. **clauses** [BOR18, KSG22]. **Client** [QKB21]. **Client-server** [QKB21]. **Clojure** [Hic20]. **closed** [CS21]. **Closure** [PA19a, DEO⁺20]. **closures** [WBM⁺21]. **CLOTHO** [RNDJ19]. **cloud** [ZPG⁺17]. **clustering** [BS21]. **CMP** [LZP24]. **CN** [PMS⁺23]. **co** [CFD⁺17, CA18a]. **co-design** [CFD⁺17]. **Coalgebraic** [JW23]. **coarrays** [RLS20]. **Coarsening** [SZD⁺21]. **Coarser** [FM24]. **coaxioms** [ADZ17]. **Cocktail** [CZ23]. **Cocoon** [LTB⁺24]. **codata** [BJSO20]. **Code** [ACH⁺24, BJP23, BBP23, DMKR24, GWW23, HFP23, MKG⁺23, MGB⁺23, PWD24, PMS⁺23, WWW23, WLS⁺23, YZSS23, ABF20, BJC⁺22, BCH⁺22, BT18, BSZL⁺18, BAY20, BPB⁺21, CL21, DFIG21, GS22, LHJ⁺18, LWNN19, LMM⁺17b, LYB⁺19, LC21, MCF⁺22, MT21, PvAPV22, RH22, SVR17, SCZW20, VPD19, VDvG⁺21, VN18, WNC⁺19, XCB⁺18, YAY20, YMJ17, ZBG⁺22]. **Code-Generating** [BJP23]. **Coeffects** [BDG⁺22, DG22b]. **cognitive** [DNFK22]. **Coherence** [BXMS19]. **coherency** [CFL17]. **cohesion** [Kav19]. **coin** [CY19]. **coinduction** [San22]. **cold** [BBTK⁺17]. **Collapsible** [FGS⁺18]. **Collapsing** [AR18]. **Collecting** [YNS⁺23]. **Collection** [Els23, MCP23, BDCN20, BP21, DEH⁺18, MP22, SHSO22, UAM17]. **collections** [DTM⁺18, EE18]. **collective** [EWR19]. **combating** [GRS⁺21]. **combination** [MR22, SdSCQ19]. **Combinator** [KEH23]. **Combinator-Based** [KEH23]. **combinatorics** [Mel19]. **combinators** [WWP20]. **Combining** [DTSLT23, Lee21, LWUD21]. **CommCSL** [EDM23]. **Communicating** [LSPP⁺23]. **Communication** [DFLL23, CHJ⁺19, DEO⁺20]. **Commutativity** [EDM23, FKP23, FKP24, CFKP22]. **comonadic** [Cho22]. **comonads** [CK20, HT18]. **compact** [CS21]. **Compacting** [BS21]. **Comparative** [WLJ⁺23]. **CompCert** [BBP23, MD24, SCK⁺20]. **CompCertELF** [WXWS20]. **CompCertM** [SCK⁺20]. **Competitive** [MAH18]. **Compilable** [XWNY23]. **Compilation** [BRG23, CA22, HHY⁺21, KEG⁺23, LKBM23, LB23, MSS⁺23, PYLW24, TT23, ZWW⁺24, BBP20, Cra19, KKPS21, Kov22, LVH⁺22, OUM18, PBC⁺21, RKV21, Ser21, VPD19, VCD⁺21, WXWS20, WZSK22, XL21, XK21]. **compile** [RAT17]. **compile-time** [RAT17]. **Compiled** [MKG⁺23]. **Compiler** [AXR24, BHOK23, BBP23, IGB⁺23,

KVA⁺²³, LMD23, MTDC19, MKC⁺²³, PSN⁺²³, AHM⁺¹⁷, BH22, BBF⁺²¹, BBG⁺²⁰, BPB⁺²¹, CKP22, GCS⁺¹⁸, KKC⁺¹⁷, LWY⁺²², Mai17, PA19b, SSH⁺¹⁹].

Compilers

[BH23, LBR23, CSD⁺²¹, CKA18, DELT17, LBR20, MSRH20, MJK⁺¹⁷, PH21].

Compiling [COER19, Ell17a, GHHS23, PG21, SBO20, STK24, WBTR20, NWP⁺¹⁸].

Complete [GFD19, JJYH24, MPJM23, AAR20, BKKM21, CK18, DK19, EE18, Pav20, SGL⁺²¹, UST18, VTC⁺¹⁸].

completely [vdRS22]. **Completeness** [CDG22]. **completion** [PvAPV22, WDS17].

Complex [CJPR24, HZWW24].

Complexity

[ABC⁺²⁴, FISS20, KD23, MS24, RBS24, RDC23, WYT⁺²², AD17, BE19, DHP18, INN21, KP22, LZR21, MP21a, WWC17].

Complexity-Guided [RDC23, WYT⁺²²].

Component

[KO23, DEH⁺¹⁸, MJ22, RRG⁺²¹].

Component-Based

[KO23, MJ22, RRG⁺²¹]. **Components**

[GHP⁺²³, GLSY20, KE19]. **Composable** [XWNY23, ZWW⁺²⁴]. **composed** [BC18].

Composing [WMM20]. **composition**

[KKCV17, RK22, SLDN17]. **Compositional** [DPQS18, GZS⁺²³, KPE18, LSC⁺²², MHLG23, PLA21, SDdSO22, VSC23, BCB21, BGOS18, GJS20, HKSS21, JRB⁺²², KNNJ18, KSW18, SKE⁺²⁰, SGD17, ZBY⁺²¹, ZXSD21]. **Compositionality**

[GY23]. **Compositionally**

[MMY⁺²⁴, DFD22]. **Compound** [GCS⁺²³].

comprehensive [BFSK20]. **Computable**

[HSS23, SMC21]. **Computation**

[Ell23, RZ20, SMT⁺²³, YD23, YD24, CT19, DSLH20, Ham17, KVT20, MW20a, Mul22, PGFP17]. **Computational**

[ZSS24, CH19, CS21, CTW21, Kes22].

Computations

[YA23, ABG⁺²¹, ADZ17, OCDR17].

Computer [CBS23, HLP⁺²⁴, NWP⁺¹⁸].

Computer-Aided [CBS23, NWP⁺¹⁸].

Computing [CHKS24, FSX⁺²³, KCB⁺²³, SSJL23, VLRH23, AFF⁺¹⁸, GTF⁺²⁰,

JPBG19, PP22, SLJ20]. **concatenation**

[HJL⁺¹⁸]. **concentration** [BZSL19].

Conceptual [CGK23b, BL22]. **Concrete**

[YZSS23]. **Concurrency** [BH23, CPC⁺²³, FG18, FM24, SL23, XBGO24, BFSK20, FDvdHP22, JRB⁺²², KESJ18, KLSV18, MDBL20, PFD⁺¹⁸, SM20, YM21].

Concurrency-aware [FG18]. **Concurrent**

[EDM23, EK24, FKP23, JLC⁺²³, MCK23, RBDO22, SP22, TGS⁺²⁴, VB23b, AG20, BP19, BHP⁺¹⁹, EE18, FNB⁺²¹, FKE⁺²⁰,

FF20, FRS⁺²¹, GSS⁺²², KSW18, LF18, MJP20, MJ21, MWW22, NBDF19, ÖN22, PKSW21, SFH22, SRF⁺²⁰, TB19, UAM17].

condition [Jac21]. **Conditional**

[LAH23, SCL⁺²³, WL23]. **Conditioning**

[BSB23, DK20, NeS17]. **Conditions**

[LZL⁺²⁴, GKJ⁺¹⁸, ZZX⁺²⁰]. **cones**

[EPT18]. **Confidential** [FSX⁺²³].

Confidentiality [MCE⁺²³].

Confidentiality-Preservation [MCE⁺²³].

configuration [SZD⁺¹⁷]. **Conflict**

[LCA⁺²³, ZH18]. **Conflict-Driven**

[LCA⁺²³]. **Conformance** [PYLR23].

conjunction [LLSS22]. **Connections**

[MCK23]. **Connectivity** [JBK22a].

Conquer [ADH⁺²³]. **Consensus**

[HqK⁺²⁴, DEO⁺²⁰]. **Consequence**

[KKZ23]. **Consequence-Finding** [KKZ23].

conservativity [KP18b]. **Consistency**

[KLV23, SFH22, TAC⁺²³, AAJ⁺¹⁹, BE19,

GKMB17, HMdL22, KSTM20, KEW⁺²⁰,

RMV22]. **Consistency-preserving**

[SFH22]. **consistent** [HKSS21, RNDJ19].

constant [BBG⁺²⁰]. **constant-time**

[BBG⁺²⁰]. **Constrained**

[ME17, PCW⁺²³, BOR18, KSG22].

Constraint [BPBB23, ESCL22, SR24].

Constraint-Based [BPBB23, ESCL22].

Constraints [CCH⁺²³, DGGM23, Els24,

HZWW24, JJR23, NSW⁺²⁴, PBGFC24,

SGR⁺24, WGW23, CCH⁺18, CFLH⁺22, HJL⁺18, ML20a, ZHL⁺20]. **Constructing** [KKA19]. **Construction** [CZ23, SMS24, DSPC⁺19, LYU⁺22, SPV18]. **Constructors** [CDSY24, JME20]. **Container** [HGL⁺23, WYT⁺22]. **Container-Usage-Pattern-Based** [HGL⁺23]. **Context** [BMTZ21, BMTZ22, BGM⁺23, EH23, HGL⁺23, LSTZ23, LL23b, MYT⁺23, XLSX24, FSD21, JJO18, JJCO17, LSDZ22, LTMS18, LWNN19, LH22, LX19, PP20, PXA⁺21, SWYZ22, TLM⁺21]. **context-aware** [PXA⁺21]. **context-based** [LWNN19]. **Context-Bounded** [BGM⁺23, BMTZ21, BMTZ22]. **Context-Free** [BGM⁺23, LSTZ23, XLSX24, FSD21, LSDZ22]. **context-sensitive** [LH22, PP20, SWYZ22]. **context-sensitivity** [JJCO17]. **Contexts** [CGLT24, MYT⁺23]. **Contextual** [FCY⁺20, SCL⁺23, WCGC18, ZN21, BAY20, Jab20, JGMP22, TSKJB18, ZA22]. **continuation** [ABD21]. **continuation-passing** [ABD21]. **Continuations** [SU23, CA18b, COER19, PG21, TB19]. **Continuing** [PCRG⁺23]. **continuity** [BCDG22, SMC19]. **Continuous** [BMTZ24, BKMMP19, WCGC18]. **contract** [AGR⁺20, BEM⁺21, MNTHV21, NGTHV18, SNJ⁺19]. **Contraction** [KKGK23, KPP21]. **Contracts** [AHMM23, CFGH23, MDF24, ASD⁺21, CGL22, CWG⁺22, END⁺18, FGS⁺18, GKJ⁺18, GLTS22, GAGG⁺18, HFS22, MP17, SGL⁺21, WZS19, WCD17, WMW18, ZBS⁺22]. **Control** [CGL23b, CGK⁺23a, KCB⁺23, LTB⁺24, LGHS23, RVD23, TBGW23, TGB24, YVC24, AFF⁺18, BGMW20, DAY20, FBP⁺21, FKL17, GSW21, HLL20, KKSL22, PSY⁺20, Ram22, RMH21, SDB19, ZSM20]. **Control-Flow** [CGL23b, CGK⁺23a, KKSL22]. **controlled** [MDBL20]. **conventions** [DAJE20]. **Convergence** [ZWS23a]. **conversion** [AÖV18, Ada19, DMS17, PA19a]. **convex** [MMS⁺22]. **coordination** [BNS20, MYZ20]. **Copilot** [BJP23]. **Copy** [XK21, UAM17]. **Copy-and-patch** [XK21]. **copying** [UAM17]. **coq** [BSZL⁺18, ADH⁺23, AHM⁺17, BCH⁺22, CHH⁺23, CJF24, KZK⁺18, SM19, SBF⁺20, yXZH⁺20]. **CoqQ** [ZBS⁺23]. **Core** [ABC⁺23, CK24a, GSF⁺23, CJF24]. **coroutine** [Spi17]. **coroutines** [IEC22]. **Corpse** [MNTHV21]. **correct** [ASD⁺21, DSPC⁺19, FKE⁺20, FSD21, KJK⁺22, QSL17, SBF⁺20]. **correct-by-construction** [DSPC⁺19]. **Correcting** [LK24]. **correction** [LSSO18]. **Correctly** [KZA⁺23, LAGN21, LN22, PG21]. **Correctness** [BERC23, FSY⁺18, ZDS23, ZSS24, BKV⁺21, LSA18, PA19b, Cou24]. **correlated** [ZPG⁺17]. **correlation** [BAS⁺18, GRB20]. **Cosmo** [MJP20]. **Cost** [GNSH24, HFP23, AMS20, ABD21, CPY20, DFS18, GLPS⁺20, KNJ⁺22, MH21, NSGH22, QGG19, RBG⁺18, RGGH21, WKH20, WAA22]. **Cost-Aware** [GNSH24, CPY20, NSGH22]. **costs** [BDA20, CCW18, OD18]. **Countable** [AB23]. **Counter** [EPS24, HC21]. **Counter-Models** [EPS24]. **Counterexample** [GRB20, TTM⁺23]. **Counterexample-guided** [GRB20]. **countering** [GFFS17]. **Countermeasures** [GZS⁺23]. **Counting** [SGL⁺23, LL22, THL⁺20]. **counting-set** [THL⁺20]. **coupled** [VVB22]. **coupling** [AH18]. **Couplings** [GAH⁺24, VVB22]. **course** [Chl21]. **Coverage** [LHP19, LWY⁺22, PYLR23, GJS20]. **Coverage-guided** [LWY⁺22]. **Covering** [ZMDJ23]. **c++** [CDSY24]. **CPS** [BCRA18, DMS17, ST21]. **CPU** [IDSW21]. **CPU/FPGA** [IDSW21]. **CQS** [KKA23]. **crashing** [SYW⁺21]. **CRDT** [ZWS23a].

CRDTs [LPM⁺22, NGR⁺22, WMM20]. **Credits** [PGJM24, SGT⁺22]. **crisis** [EDWL21]. **Cross** [DEH⁺18, ZWR24]. **Cross-component** [DEH⁺18]. **Cross-Rule** [ZWR24]. **crowded** [Str20]. **Cryptanalysis** [SSCC24]. **Cryptographic** [GSF⁺23, KEG⁺23, VDvG⁺21]. **Cryptography** [SSCC24]. **Cryptography-Specific** [SSCC24]. **CryptOpt** [KEG⁺23]. **CSA** [WMWW24]. **Cubical** [VMA19, CH19, KYW24, VND24]. **cuCatch** [TDJ⁺23]. **CUDA** [MH21, TDJ⁺23]. **Curbing** [CGLT24]. **Custom** [BRG23]. **Customizable** [WKN⁺23]. **Customization** [LZD⁺24b]. **Cut** [MYT⁺23]. **Cutting** [BLH23, CGL⁺23a]. **Cycle** [XLSX24, MW20b, DMKR24]. **Cyclic** [KPP21, YNS⁺23, TU22]. **cyclic-proof** [TU22].

D [BAP20]. **Dargent** [CLO⁺23]. **dark** [MHN19]. **Data** [BRG23, CCP⁺18a, CDSY24, CBD⁺23, CLO⁺23, HM23, JJCO17, LBR23, PWD24, PMC⁺23, PSW21, RVD23, RDC23, RHdSOZ23, RCLJ24, SBMM23, SN24, SSSB24, SSSC⁺22, ZMSD23, ZDDJ21, BJSO20, Cha20a, CCP18b, CWG⁺22, Coh18, DLC22, DAB⁺21, ECK⁺22, FMTSL20, GTF⁺20, IS18, JJO18, KSG22, KPSJ19, KRV⁺21, KSW18, LRG19, LPR⁺20, MGT21, MW20b, MM19, PJP⁺18, QSL17, SSC⁺17, WDS17, WCMH19, WBW⁺20, WCBG17, YvGK18, YDJD21, YD22, YC22]. **Data-Centric** [PMC⁺23, CCP⁺18a]. **data-dependence** [CCP18b]. **Data-driven** [JJCO17, SSSC⁺22, ZDDJ21, JJO18, SSC⁺17]. **Data-Parallel** [LBR23]. **data-structure** [QSL17]. **database** [RNDJ19, RS20, WDLC18]. **database-driven** [WDLC18]. **Dataflow** [MKLR20, BBP20, HKVR21, SAB17]. **Dataflow-based** [MKLR20]. **Datalog** [AXR24, BGC20, BGC23, ML20a, PE23, RMZ⁺20, SBMM23, SBEV18, ZWF⁺23, ZWR24]. **Datatype** [KCL22, JR21]. **Datatype-generic** [KCL22]. **datatypes** [EC22, JME20, SMC21, XEdSO20]. **day** [BPPS20]. **dead** [BBTSTH17]. **Deadlock** [CSM⁺17, JB23, JHK24, TMPV23, JBK22a, JBK22b, KP18a]. **Deadlock-Free** [JHK24]. **Debits** [PGJM24]. **Debloating** [HGL⁺23]. **Debugging** [PE23, TDJ⁺23, CN22, CG21, LZY⁺20, PN17]. **Decalf** [GNSH24]. **Decentralized** [SSS⁺23, ZBS⁺22]. **Decidability** [AÖV18, KP22]. **Decidable** [KM23, MPAG20, CCH⁺18, Ham17, HL20, KLO⁺22, MP20, PLSS17]. **Decides** [CDSY24]. **Deciding** [AAB⁺21, AKK⁺21, BCK⁺21, GMOO24, MMK⁺20]. **Decision** [RBS24]. **declarative** [CFKP22, HLV21, NPZ⁺20, RvAP⁺20]. **Declassification** [MHLG23]. **decoders** [DSPC⁺19]. **Decompilation** [SBSH23, GLTS22]. **Decompiler** [LHP⁺24]. **decompiling** [NWP⁺18]. **decomposing** [SPV18, WMM20]. **Decomposition** [BJSO20, RFH⁺22]. **Deconstructing** [BDS23]. **Deductive** [CMP20, EPS24, FMTSL20, LCT⁺23, SBK⁺23, LWUD21]. **Deep** [CYL⁺24, SADC23, TNMT23, SGL⁺21, ZPZX21]. **DeepBugs** [PS18]. **DeepSEA** [SScWS19]. **default** [LMM17a]. **defeating** [DMB20]. **defects** [RAJ⁺17]. **define** [CR20]. **defined** [FKLP17]. **Definitional** [GCST19, DLNV17, PRT⁺18, WDR18, vdRPR⁺22]. **Definitions** [MHLG23, KP18b, RSY21]. **Defunctionalization** [BDD⁺23, HY23]. **Degrees** [XBGO24]. **DéjàVu** [LMM⁺17b]. **delayed** [ABM⁺21]. **Delimited** [SU23, CA18b, FKLP17]. **Delivery** [FAS⁺23]. **Demand** [CGK⁺23a, SZ24, PPSW20, SNCM19]. **demand-driven** [PPSW20, SNCM19]. **Demonstration** [PRM⁺24]. **Demystifying** [WZD⁺19]. **Denotational**

[CLD20, FTB24, ŠKV⁺¹⁸, LCTS⁺²⁰]. **Dense** [STK24, KRV⁺²¹]. **Density** [TT23]. **deoptimization** [BBF⁺²¹, FSY⁺¹⁸]. **Dependence** [GRXB19, LVSZ23, BGHT22, CCP18b, ZYT⁺¹⁹]. **Dependence-Aware** [LVSZ23, GRXB19]. **Dependencies** [BWJ⁺²³, JRB⁺²², PNPW22, SMTH20]. **dependency** [Cho22, TCJ20]. **Dependent** [ADE23, Atk24, CBTB20, GHP⁺²³, HY23, JHK23, JHK24, LCSW24, SU23, AVW17, CFLH⁺²², CEEW21, CA18a, CA18b, DFS18, ETG19, FKT21, GSB19, LZ18, MPAG20, NVD17, PT20, RKHL17, RL19, SJL19, TV20, WFC⁺²⁰, WVdAE17, WCVE19, YAC21]. **Dependently** [BSSO24, CDD⁺¹⁹, ECK⁺²², LW23, EGT22, FRS⁺²¹, PH21, SM19, SRF⁺²⁰, Tej20, VMA19]. **Dependently-Typed** [BSSO24, LW23, ECK⁺²², PH21, SM19]. **derivation** [DSPC⁺¹⁹, IEC22, LZ18]. **Derivative** [HBP19, MNR⁺²³, JKT21]. **derivative-based** [JKT21]. **derivatives** [HBP19]. **derive** [ZvAV22]. **derived** [RvAP⁺²⁰]. **Deriving** [BSSO24, LA21, KPW18, KKSL22, PES20]. **descendants** [FMG⁺²⁰]. **Descent** [CJPR24]. **Deserialization** [SMS24]. **deserves** [Coh18]. **Design** [CBS23, CNRG19, CZW24, Cou24, NdAS23, BCC⁺¹⁸, CFD⁺¹⁷, GV19, MRG18, NWP⁺¹⁸, WSG⁺²⁰]. **Designing** [TGKV20]. **Designs** [WLJ⁺²³, ZR21]. **despite** [HFS22]. **dessert** [GLPS⁺²⁰]. **desugarings** [BCB21]. **Detectable** [CJRK23]. **Detecting** [MNT20, RAJ⁺¹⁷, WZS19, ZZX⁺²⁰, BZKT21, SCMS20, SYW⁺²¹]. **Detection** [AZMV23, LHZQ24, LZH23, PCW⁺²³, AMT17, BGOS18, DMB20, DRS21, GRXB19, GAGG⁺¹⁸, LWNN19, MKV18, PS18, SLO19, WAA22, WCBG17, ZPZX21]. **Deterministic** [ABC⁺²³, KVT20, YXK23, CGLT24, SLDN17, UST18]. **development** [WKS18]. **Devices** [ICHZ23, PGFP17]. **diagnosis** [LSSO18, LSZ⁺²⁰, SSC⁺¹⁷]. **Diagrammatic** [BHP⁺¹⁹]. **Diagrams** [BDS23, CRK24]. **Diamonds** [BGM21]. **dictionaries** [SHSO22]. **dictionary** [EZYS22]. **dictionary-passing** [EZYS22]. **did** [WC17]. **Difference** [XHdSO23, YF18]. **differences** [BFSK20]. **Different** [AGK23]. **differentiable** [AP20, SFVJ19, SZD⁺²¹, SMC21, WZD⁺¹⁹]. **Differential** [MWT⁺²³, SSCC24, ZSL⁺²⁴, ADN22, AH18, BCK⁺²¹, KNSA20, NDA⁺¹⁹, WCHRP17, ZRH⁺¹⁹, ZRH⁺²⁰]. **Differentially** [ZHL⁺²⁰, SA19]. **Differentially-private** [ZHL⁺²⁰]. **Differentiating** [MMY⁺²⁴]. **Differentiation** [LQSM23, LHSM23, Ell18, Ell21, KJK⁺²², LYU⁺²², MP21b]. **diffing** [MS19]. **DiffStream** [KNSA20]. **Digging** [JGW⁺²⁰]. **Dijkstra** [MAA⁺¹⁹, SZ21]. **dimensional** [DR19]. **DimSum** [SSS⁺²³]. **Direct** [MSBO23, ZGHH23, ZWW⁺²⁴, ZXG⁺²⁴, MKC18]. **Directed** [GNSH24, KKS23, CPB⁺²², FSSW22, GTB22, OUM18, RNDJ19]. **Disambiguation** [CKP23]. **discipline** [VHEZ21]. **Discontinuities** [MMY⁺²⁴]. **Discover** [DTSLT23]. **discovery** [JGW⁺²⁰]. **Discrete** [GWW23, HVM20, SFRM20]. **Disentanglement** [AMA24, MWB24, WYFA20]. **DisLog** [MWB24]. **dispatch** [BCG⁺²⁰, FCY⁺²⁰, PHSR19, PP20]. **Disproving** [MK23a]. **distancing** [DG22a]. **Distributed** [CHJ⁺¹⁹, GGN⁺²¹, GHP⁺²³, HQK⁺²⁴, MDPS23, PDG23, TTM⁺²³, TGS⁺²⁴, WJS23, WKS18, YTGN24, ZSK23, ABIK22, BvGKJ17, BGMW20, BVG19, DPQS18, GHMM20, GKMB17, GLSY20, HKSS21, JWJ⁺²¹, KEW⁺²⁰, LMÖ⁺²², MDSM19, OMN⁺¹⁸, OMO19, PLSS17, SKS⁺¹⁹, SWT18, SKE⁺²⁰, VHEZ21]. **Distributing** [HdSO21]. **distribution** [BBB⁺¹⁷]. **Distributions** [MMY⁺²⁴, SFRM20]. **divergence** [RMH21]. **Divergent** [FCS⁺²³, ADZ17]. **diversity**

[BJSO20]. **Divide** [ADH⁺23]. **Divide-and-Conquer** [ADH⁺23]. **Division** [BLH23]. **Do** [GLPS⁺20, AMP⁺20, UdM22]. **Document** [CK24a]. **Documents** [CK24a]. **Does** [LKS⁺20, MTDC19]. **Dolev** [RBS24]. **Domain** [RC23, BKF20, PLS⁺19, SDdSO22]. **domain-specific** [BKF20, PLS⁺19, SDdSO22]. **Domains** [MLM⁺23, SPV18]. **Don't** [IGB⁺23, RW24, GFFS17]. **DOT** [BGWXP22, GST⁺20, KLL20, RL19]. **Doubly** [WJS23]. **Doubly-Unbounded** [WJS23]. **Down** [BOW⁺23, BCB21, Lee21]. **DProf** [BVG19]. **Driven** [LCA⁺23, SCS24, TTM⁺23, GBR⁺20, JJO18, JJCO17, MJK⁺17, PPSW20, SSC⁺17, SSSC⁺22, SNCM19, VHEZ21, WDL18, ZBS⁺22, ZDDJ21]. **DSL** [CTZ⁺23, CBS23, MLM⁺23, RC23, ZYB⁺18]. **Dual** [SV23, UTGK23, LYSM22, PWK⁺22, ZRH⁺20]. **Dual-Numbers** [SV23]. **duality** [HdSO21, PWK⁺22]. **Duet** [NDA⁺19]. **duplicates** [LMM⁺17b]. **Duplo** [LJ20]. **Durable** [BGJ⁺21, DRV23, ZFS⁺19]. **DWARF** [BKN19]. **DWARF-based** [BKN19]. **Dyck** [CCP18b, KP22, KLPT24, LZR21, LSZ22, LZR23, SWYZ22]. **Dyck-CFL** [SWYZ22]. **Dyck-reachability** [LZR21, LSZ22]. **Dynamic** [AZMV23, BER23, CLN24, FKRS23, KLPT24, MSI19, MKC⁺23, PP20, RB24, SMT⁺23, TMPV23, ZWS23b, ZZX⁺23, AFF⁺18, BDA20, CCP⁺18a, CPT19, CA22, DTM⁺18, DPQS18, FSY⁺18, JSXH20, KMGV22, LAF⁺20, LP20, LSZ22, LSC⁺22, MKV18, MRG18, Pav20, SPKT18, WCBG17]. **dynamic-priority** [LSC⁺22]. **dynamically** [CHJ⁺19, INN21]. **dynamically-instantiated** [CHJ⁺19]. **dynamism** [BCC⁺18]. **DynamiTe** [LAF⁺20]. **Dynaplex** [INN21]. **E-Graphs** [CKN⁺23]. **e-matching** [ZWWT22]. **early** [Sym20]. **Easy** [CHKS24, Par20]. **EasyBC** [SSCC24]. **ECROs** [DFPG21]. **edge** [DWZ20]. **edit** [MGL⁺19, ZBG⁺22]. **Editorial** [Wad17]. **edits** [PBS⁺17]. **education** [CDH17]. **Effect** [BWJ⁺23, BSO18, Els24, LMSB23, MvdPH23, MJK⁺17, MSS⁺23, NGL23, PCRG⁺23, SU23, SPB23, XBH⁺20, BPPS20, BSO20, FKLP17, GLBP22, GCS⁺18, KKPS21, LLB⁺20, SBO20, XL21, XCIL22, YW21, ZM19, dVP21]. **Effect-driven** [MJK⁺17]. **Effectful** [BBP23, DG22a, DG24, GNSH24, MDF24, KyKS22, MJ22, SRF⁺20]. **Effective** [KLSV18, KRV19, LVSZ23, ZGSN17, MN18, TTS18]. **effectively** [BKV⁺21, GAGG⁺18, Pav20]. **Effectiveness** [CYL⁺24, WZS20]. **Effects** [AWA23, BSO20, BSLBG22, Els24, FTB24, HLL20, KUST24, KYW24, PvdR23, ZSS24, Ahm18, AP21, BPPS18, BPPS19, BAS⁺18, DG22b, FKLP17, HK22, HT18, HC21, MvdP20, NPWW22, PT20, STI20, SM20, SB19, WBTR20, ZN21]. **efficiency** [ADV21, HLL20]. **Efficient** [AXR24, AAM⁺21, AWA23, CFL17, CGK⁺23a, GZS⁺23, GGV⁺21, JKXH23, KKPS21, KRV⁺21, LSZ22, LZD⁺24a, MvdPH23, MC24, MCE⁺23, MSS⁺23, PDG23, SFVJ19, SV23, SV24, SPX23, WGW23, ZFS⁺19, ACN18, AWA21, AYB⁺22, BCD22, GTB22, GXD20, KJK⁺22, LA21, MS19, MNTHV21, MT21, ONK⁺17, SCJG21, SC20, SBM20, SAB17, WNC⁺19, WHZ⁺19, XL21, YSHZ21]. **Efficiently** [TDJ⁺23, HJL⁺18]. **egg** [WNW⁺21]. **Elaborating** [CA18a]. **Elaboration** [Kov20, PvdR23]. **elaborator** [KCL22]. **elementary** [LN22]. **Elements** [GD23, LP20]. **ELF** [WXWS20]. **Eliding** [IGB⁺23]. **Eliminating** [MV20, VDvG⁺21]. **Elimination** [XLSX24, CLNL22, DS17, OBS⁺22, PT20]. **Elipmoc** [GLTS22]. **elision** [LP20]. **Emacs**

[MS20]. **Embedded** [RC23, PZR⁺17].
Embedding [MFWW23, MWW23, NA18, SCZW20].
embedding-projection [NA18].
embeddings [Chl21, LW22a, SDdSO22, WWGW20].
embracing [UdM22]. **empirical** [CAMS20, GCS⁺18, KSTM20, MHN19, PP22].
empirically [TGKV20]. **Empowering** [MT18]. **Enabled** [AHMM23]. **Enabling** [MSRH20, MSS⁺23, WJS23, ZBS⁺22].
encapsulation [SDB19, TSKJB18].
encoders [DSPC⁺19, GXD20]. **Encodings** [HMMdL23]. **Encryption** [PSN⁺23]. **End** [CC22, MKC⁺23, RFH⁺22]. **End-to-End** [MKC⁺23, CC22]. **end-users** [RFH⁺22].
Endpoint [GY23, CHJ⁺19]. **Enforcement** [YD24]. **Enforcing** [MGB⁺23, RVD23, SKP23, NDA⁺19, SDB19].
engineering [DAY20]. **Engines** [LCA⁺23, ZWR24]. **Enhanced** [DQ24, San22]. **enhancement** [PXA⁺21].
Enhancing [LHZQ24, MKV18]. **Enriched** [TA24]. **entangled** [KGdV⁺22].
Entanglement [WAA22, YMC22].
Enumeration [DQ24, Lee21, vdRS22].
enumerative [BPP20]. **environments** [FZSN20]. **Epi** [Pop24]. **Epi-Recursors** [Pop24]. **Epoch** [XLSX24, RV18]. **EPR** [PLSS17]. **Equality** [KGB⁺24, LW23, PST⁺23, PT23b, ZWF⁺23, EGT22, KFM21, NWZ⁺21, PT22, WNW⁺21]. **Equational** [GSF⁺23, LL23b, Mor19]. **Equations** [SM19]. **Equivalence** [HZWW24, MK23a, AAJ⁺19, BCG⁺21, CRMA20, Jab20, KPH22, Mil20, WCGC18, WDLC18, ZA22].
Equivalences [FM24, TTS18, TSKJB18].
Erasure [ADE23, SBF⁺20, Tej20]. **Error** [BPBB23, ZMD⁺24, CN22, SEG⁺22, WCC17, WCH⁺19]. **errors** [BBZ18, CN22, DdVMY19, LSSO18, SSC⁺17, SLO19, WC17, ZZX⁺20]. **Essence** [CZW⁺23, SSSB24, TGB24, DLC22, Ell18, Par20]. **estimation** [MSRH20]. **Eta** [RHdSOZ23]. **Ethereum** [BEM⁺21, GKJ⁺18, GLTS22, LGTS20, SGL⁺21, WZS19]. **Etna** [SKG⁺23]. **eval** [BCG⁺20, GDBK⁺21, PGIY20]. **Evaluate** [LGFD23, RW24, LGFD21]. **Evaluating** [CBA17, CYL⁺24]. **Evaluation** [SKG⁺23, AVW17, AK20, BT18, BP18, LBH⁺18, LCOC20, MKC18, MH21, PPSW20, PNWT22]. **even** [JO22]. **event** [BAS⁺18, VHEZ21, ZBS⁺22]. **event-driven** [VHEZ21, ZBS⁺22]. **events** [Jac21]. **eventual** [GKMB17]. **Every** [Coh18]. **everywhere** [KMV19]. **evidence** [XL21]. **evidently** [XBH⁺20]. **Evolution** [MS20, CNH20, Ing20]. **evolving** [HH20]. **Exact** [CMcS23, KBC⁺24, HVM20, SMC19]. **Exactly** [FPV24]. **Example** [CGL⁺23a, ASMS20, JSXH20, VLG21, WFB⁺20]. **example-based** [ASMS20]. **examples** [BFV18, GS22, GDM20, IS18, YAY20]. **ExceLint** [BBZ18]. **Exceptional** [FLMD19, PTFT19]. **Exclusion** [LMSB23]. **Executable** [GB20, ZBY⁺21]. **executables** [ZYT⁺19]. **Executing** [KZA⁺23].
Execution [LS23, MGB⁺23, ZDA24, AJRG21, BGC18, CKT18, CB17, CN22, GCY⁺20, KHL22, MCL17, MNB⁺22, MKV22, NPZ⁺20, SLHR22, WBTR20, WMLK18, ZBS⁺22]. **exhaustive** [AJRG21, CPKG17]. **existential** [EDWL21]. **existentials** [DK19]. **Expansion** [RHdSOZ23].
Expectation [ABG⁺24, ABH⁺21, BKKM21]. **Expectation-Based** [ABG⁺24, BKKM21]. **expectations** [WKH20]. **Expected** [AMS23, BKK⁺23, LHSM23, ABD21, BEG⁺18, WFC⁺20, WKH20]. **Experience** [ABG⁺23, BCE⁺23, LKFT23, SDP⁺23, SKG⁺23, ACM⁺18, AHM⁺17, BRS18, BS17, BSZL⁺18, CDD⁺19, FDD⁺19, HP19, HTLS22, RK22, TRWS22, YW19]. **experiment** [RFH⁺22]. **experiments** [TBB⁺19]. **Experts** [RC23]. **explain**

[RSPC17]. **Explainable** [NHS⁺23]. **Explanation** [WWW23]. **Explicit** [CTZ⁺23, Els24, GK23]. **explodes** [BT18]. **Exploiting** [CGK⁺23a, KNNR17, CFL17]. **Exploration** [PST⁺23, PDG23, ZZG⁺23]. **exploring** [CKP22]. **Exposing** [GCY⁺20, IGB⁺23]. **expressing** [HLK⁺20]. **Expression** [CBD⁺23, LKM23, VB23a, SJS20]. **Expressions** [CT23, LC23, MC24, LP20, MKTD17, PHXD19]. **Expressive** [AXR24, CDE⁺24, DGGM23, PPT23, BKKM21, FKL17, LWUD21, NDA⁺19, XLD20]. **expressiveness** [PMD21]. **ext4** [KKRV21]. **extended** [SWYZ22]. **Extending** [RMV22]. **Extensible** [HM23, JAZ23, KKFI⁺24, RHdSOZ23, XCS⁺24, KKC17, KJJ⁺18, MM19, SRF⁺20, WNW⁺21]. **extension** [YvGK18]. **extensionality** [BGG⁺20]. **extensions** [KKCV17]. **extent** [QRS22]. **Extract** [TCGS23]. **extracting** [HWC⁺21]. **Extraction** [CBD⁺23, CT23, CLD20, KMLD20].

f [JGMP22, LL23a]. **F#** [Sym20]. **F*** [ACH⁺24, PZR⁺17]. **failure** [LSZ⁺20]. **Failures** [WLD⁺23, HKSS21, ZPG⁺17]. **Fair** [BLH23, CP22, KKA23, LCK⁺23, LNO⁺21]. **Fairness** [MWA19, ADDN17, BZSL19, UCWZ20]. **FairSquare** [ADDN17]. **Familia** [ZM17]. **Familial** [Hir19]. **families** [ME17]. **Family** [JAZ23, KKFI⁺24, ZM17]. **Farkas** [LFY⁺22]. **Fast** [CVG⁺17, CN22, CDE⁺24, GTF⁺20, JW23, MYT⁺23, MvdPH23, PDBV24, PSN⁺23, Pav20, WNW⁺21, XCS⁺24, BKN19, BPB⁺21, LH22, LX19, PUW⁺21, SV21, Tit22, USM22, WCR19, WSH⁺19, XK21]. **Faster** [Spi17, WMLK18]. **Fat** [ZCH23]. **Fault** [Per18, WBdG⁺23, BGC18, HKSS21, LZ17, MDSM19, VHEZ21]. **fault-aware** [HKSS21]. **fault-tolerant** [MDSM19, VHEZ21]. **faults** [SCMS20, VREV19]. **Featherweight** [GHK⁺20]. **Feature** [PYLR23]. **Feature-Sensitive** [PYLR23]. **features** [COHY17, JLO20]. **Feedback** [GBR⁺20]. **Feedback-driven** [GBR⁺20]. **Feller** [BCDG22]. **Few** [CHKS24, SADC23]. **Few-Pixel** [SADC23]. **FF** [LSPP⁺23]. **FF-A** [LSPP⁺23]. **FFT** [Ell17b]. **fibrations** [MPV18]. **fibred** [Ahm18]. **File** [ZMT23, SZD⁺17]. **files** [WXWS20]. **Finding** [AZMT18, BT18, EPS24, KKZ23, LRV⁺22, LMD23, LHP⁺24, RS20, WR24, BBZ18, DNFK22]. **Fine** [KD23, MCK23, SPB23, FSK⁺22, Kes22, MP21a]. **Fine-Grained** [KD23, MCK23, SPB23, FSK⁺22, Kes22, MP21a]. **Finitary** [OUM18]. **Finite** [EPS24, KM22, WDS17]. **fire** [PT20]. **First** [BSSO24, JHK23, MPJM23, PBGFC24, XCIL22, ZWS23b, EDWL21, HLL20, Kov20, ML20a, MKV18, NJA20, PHL⁺18, WBE20]. **First-Class** [PBGFC24, ZWS23b, XCIL22, EDWL21, HLL20, Kov20, ML20a]. **First-Order** [MPJM23, PHL⁺18]. **fitch** [BGM19, VRC22]. **fitch-style** [BGM19, VRC22]. **fix** [BSPC19]. **fixed** [WC17]. **fixing** [FGS⁺18]. **Fixpoint** [BKMMP19, KEH23, MFSV23, UTGK23, CTR⁺20, KVT20]. **Fixpoints** [Bre23, ML20a, GMOO21, MPB⁺22]. **flaky** [LWW⁺20]. **Flan** [AXR24]. **flap** [YXK23]. **FlashFill** [CGL⁺23a]. **FlashProfile** [PJP⁺18]. **Flexible** [ACC⁺23, BCE⁺23, yKMUW22, XBGO24]. **floating** [Ada19, LAGN21, ZZX⁺20, ZGS⁺22]. **floating-point** [ZZX⁺20, ZGS⁺22]. **Flow** [BPBB23, CGL23b, CGK⁺23a, EDM23, LTB⁺24, TGB24, YVC24, AFF⁺18, DAY20, Kav19, KKSL22, KSW18, PSW21, PSY⁺20, Ram22, RMH21, SDB19, SGL⁺21, SCZW20, ZSM20, ZK22]. **Flow2Vec** [SCZW20]. **FlowCFL** [Mil20]. **Fluent** [RG23, YNIC19].

Flux [LGVJ23]. **Fly** [KLPT24, MGL⁺19]. **focusing** [RZ20]. **FOL** [MPB⁺22]. **fold** [JGW⁺20]. **Folding** [LSTZ23]. **Foreign** [YNS⁺23]. **forever** [BGM21, SZ21]. **Forge** [NGP⁺24]. **forking** [LyXW21]. **Formal** [BBG⁺20, FS22, HPRW21, JPBG19, KKGK23, MJ21, MLF⁺23, NGP⁺24, QOVG⁺24, VGJW23, YZZ22, ZSK23, DAB⁺21, EUR⁺17, GB20, LRS⁺20, PNWT22, SLJ20, ZBY⁺21, Rei17]. **formalising** [RWV19, RMV22]. **Formalization** [ABC⁺24, CJF24, BP19, ZdSOS19]. **Formalized** [ADE23, HVK19]. **formalizing** [RL19]. **Formally** [BSB23, BBF⁺21, BBP23, GBB⁺23, KKA23]. **Formally-Verified** [KKA23]. **Format** [CKA18, LZD⁺24b, ZMT23]. **formats** [DSPC⁺19, GLR⁺20]. **formula** [BBZ18, BJC⁺22]. **formulas** [KM22]. **Formulog** [BGC20]. **Fortran** [RLS20]. **Forward** [JJYH24, YLY23, SCJG21]. **Foundation** [QOVG⁺24, ZDS23, PNWT22, SLJ20]. **Foundational** [CYL⁺24, ZBS⁺23, ZSL⁺22]. **Foundationally** [ZQW⁺24]. **Foundations** [BBBK17, KSTM20, LMP18, AFH⁺18, BGWXP22, DAB⁺21, HVK19, JPBG19, JJKD18, OBL⁺18]. **Fourier** [RCLJ24]. **FP** [LLS23]. **FPC** [TA24]. **FPGA** [IDSW21]. **FPL** [PUW⁺21]. **FR** [HVK19]. **Fractional** [DMS22, MO24, CS21]. **fragments** [GM21, HL20]. **frame** [LL22]. **Framework** [AGK23, CCL⁺23, CJRK23, GNSH24, KKA23, MKC⁺23, NSW⁺24, PYLW24, XCS⁺24, BL22, CTR⁺20, EUR⁺17, GSS⁺22, KKC17, KJJ⁺18, LBH⁺18, LZ18, LJ20, MA18, NSGH22, PJP⁺18, SSK17, SHW⁺20, SSK22, WCHRP17]. **Free** [BGM⁺23, CTZ⁺23, CSL⁺23, JB23, JHK24, LSTZ23, XLSX24, AJSW17, BDYG⁺21, CN22, Coh18, FSD21, GAGG⁺18, LSDZ22, MW20b, RST20, TTS18, YvGK18, ZGS⁺22, ZFS⁺19, ZvAV22]. **freedom** [JBK22a, JBK22b]. **FreezeML** [ESCL22]. **frequency** [ZHL⁺20]. **Freshness** [WBJ⁺24]. **friendly** [WCC17]. **FRP** [BM23]. **Fulfilling** [CRR24]. **Full** [CdV20, BCDG22, JDT22]. **Fully** [Cra19, JTD21, KyKS22, LLS23, SYW⁺21, ZWW⁺24, KMP19, RL19, VPD19]. **fully-abstract** [KMP19]. **Function** [YNS⁺23, CCH⁺18, FCY⁺20, Kov20, LN22, OBL⁺18, ONK⁺17]. **Functional** [AWA23, ABC⁺23, Bre23, DTSLT23, JHK23, KVA⁺23, LC23, LLS23, LB23, LKFT23, MO24, MK23a, MPJM23, NWP⁺18, RG23, ŠKG18, SHSO22, SKK23, Thi23, YRS23, ZMSD23, ZXG⁺24, ACM⁺18, ACF17, AK20, AWA21, AG20, BH22, BWB⁺21, Ber17, BG18, BBRM17, CDH17, Cha20b, Chl21, CRMA20, DLNV17, DA20, DMS17, Ell17b, EHAO18, HLK⁺20, HP19, HWC⁺21, HG22, HP22, HdSO21, JBK22b, KMLD20, KSSL18, LSSO18, LC21, MCF⁺22, MNB⁺22, OVCH19, Par20, PA19b, PN17, Per18, PH21, QGG19, Ram22, RSPC17, SC20, SFVJ19, SLO19, SM19, SAFF⁺17, SC18, SJSM20, SYW⁺21, SB19, UdM22, VS20, WWC17, WDR18, YF18]. **functional-imperative** [QGG19]. **Functions** [BK24, BLP24, KBC⁺24, YTG24, BGJ⁺21, CFLH⁺22, EPT18, KSG22, RK22, SPKT18, SHdM20, SMC21]. **Functorial** [DLNS21]. **functors** [BGPT19, MLMD19]. **Fused** [KKGK23, YXK23]. **Fusing** [TRWS22, ZXG⁺24, SSK17]. **fusion** [YW21]. **Futhark** [EHAO18]. **future** [JLP⁺20, KSSL18, MWW22]. **Futures** [AMA24, RWAM24, CSM⁺17]. **FuzzFactory** [PLS⁺19]. **Fuzzi** [ZRH⁺19]. **Fuzzing** [LS23, LBR23, SM20, WTLM23, ZZG⁺23, LWY⁺22, MTDC19, MR22, PLS⁺19, SYW⁺21]. **gadget** [BPB⁺21]. **GADT** [BGWXP22]. **GADT-style** [BGWXP22]. **Galois** [PNPW22]. **game**

[CY19, Mel19, VMS⁺22, dVPJ20]. **Games** [HD24, ACM⁺18, BKMMP19, FK18]. **gap** [LMÖ⁺22, WDR18]. **Garbage** [Els23, MCP23, YNS⁺23, BDCN20, DEH⁺18, MP22, UAM17]. **Garbage-Collection** [Els23]. **garden** [LyXW21]. **Gas** [CFGH23, GKJ⁺18]. **Gauss** [BLSS21]. **Gaussian** [RBIT24]. **GC** [CFD⁺17]. **General** [HP23, LZD⁺24b, SPB23, CR20, KJJ⁺18, LYU⁺22, MMS⁺22, SSK17]. **Generalizable** [JXXH21]. **Generalized** [MCE⁺23, SSSB24, XL21, XHdSO23, DS17, Mil20]. **Generalizing** [MR24]. **generate** [LAGN21]. **Generating** [BJP23, BP21, FQL24, KBC⁺24, LPP18, LCT⁺23, Mat22, WCH⁺19, YNIC19, COHY17]. **Generation** [BBP23, DMKR24, GFWP23, LVSZ23, WLS⁺23, CPKG17, CL21, LFY⁺22, RNDJ19, RGSNT17, SSSW21, SPKT18, WH19]. **Generative** [PWZS21, WLS⁺23]. **generator** [ASD⁺21, JKT21]. **Generators** [ZMDJ23, BLF⁺19, KKSL22, LPP18, Mat22, NPZ⁺20, SV21]. **Generic** [DFS18, Ell17b, EZYS22, HM23, KPW18, WBJ⁺24, EC22, KCL22, SKB⁺22, Yal17, dVPJ20]. **Geo** [BBB⁺17]. **Geo-distribution** [BBB⁺17]. **geometric** [GHMM23]. **Geometry** [CC23, GYK⁺20]. **Getafix** [BSPC19]. **Getting** [BPBB23, PJD⁺21, MAH18]. **Ghost** [LHC⁺23, CMP20]. **GhostCell** [YDJD21]. **Girard** [Kes22]. **GitHub** [LMM⁺17b, TRWS22]. **Giving** [HC21]. **Global** [KC24, LLHX23, DFIG21]. **globally** [MA18]. **GLORE** [DS17]. **glossy** [ACM⁺18]. **GNN** [WBS⁺22]. **GNN-based** [WBS⁺22]. **Go** [KSW18, BCB21, CSD⁺21, EZYS22, CHJ⁺19, GHK⁺20]. **good** [LPP18, PT22]. **goSLP** [MA18]. **GPU** [AAM⁺21, CNRG19, EHAO18, KCB⁺23, SSR⁺21, VB23a]. **GPU-based** [CNRG19]. **GPUs** [CPKG17]. **Graded** [ADE23, CEEW21, yKMUW22, OLE19]. **Gradients** [RPF⁺23]. **grading** [CRMA20, HP19]. **Gradual** [CKC24, CL17, CLPS19, ITVW17, LGFD23, NLA19, NGL23, TLT19, VTV18, WBW⁺20, YTO23, ZDA24, BBTSTH17, CCW18, CCEW18, CC20, ETG19, EGT22, FGS⁺18, FKT21, GFD19, ISI17, JTD21, LTTD22, LGFD21, MLBTT22, MP20, MSI19, MNTHV21, MT17, MT21, PCAGG21, RAT17, SCJG21]. **Graduality** [NA18, NJA20]. **Gradually** [GMDA24, MGT21]. **Grafts** [HLV21]. **Grained** [KD23, MCK23, SPB23, FSK⁺22, Kes22, MP21a]. **grammar** [YNIC19]. **Grammars** [LZH23, ZMT23, AM17, HBP19, JKT21]. **Grammatical** [MLM⁺23]. **Graph** [BWJ⁺23, CZ23, LSTZ23, RWAM24, SMS24, HLV21, JLO20, KKSL22, Mil20, WCMH19, WWGW20, ZYB⁺18]. **graph-based** [JLO20]. **graph-manipulating** [WCMH19]. **graphics** [DELT17, GYK⁺20]. **GraphIt** [ZYB⁺18]. **Graphons** [AFK⁺24]. **Graphs** [AFK⁺24, ASW23, CKN⁺23, CGL23b, CGK⁺23a, BLSS21, DAY20, JBK22a, Mul22, PBS⁺17, RMH21, ZvAV22]. **Greedy** [CJdSO23, Ber17]. **Grid** [CTZ⁺23]. **Gries** [RLV20]. **Grisette** [LB23]. **Groovy** [Kin20]. **ground** [RWV19]. **Grounded** [BJP23, CGK23b]. **groupoids** [CKS22]. **guarantees** [BVG19, OMN⁺18]. **Guarded** [FTB24, SFH⁺20, BGM21, MV19]. **guards** [GJS20, Rei17]. **Guide** [LVSZ23]. **Guided** [BDA20, DQ24, FDSL23, GFV23, JKXH23, KGB⁺24, LSTZ23, LS23, RDC23, YRS23, GJJ⁺20, GRB20, JPR22, KHDR21, LHP19, LTMS18, LWY⁺22, MCF⁺22, MJ22, MPB⁺22, RMZ⁺20, RFH⁺22, WH19, WYT⁺22]. **Guiding** [JSXH20]. **GV** [JBK22b]. **Halide** [CC22, NAJ⁺20]. **Halting** [CDSY24]. **Hamiltonian** [PYLW24]. **handcrafting** [JLO20]. **Handle** [BPPS18]. **Handlers** [KUST24, MSS⁺23, NGL23, PCRG⁺23, SPB23, BPPS18, BPPS20,

BSO18, BSO20, FKLP17, GLBP22, KKPS21, SBO20, XBH⁺20, XL21, XCIL22, ZM19, ZN21, dVP21]. **Handling** [Ahm18, CA18b, THLM24, ZSM20, KRV19]. **Happens** [LKFT23, MKV18]. **happens-before** [MKV18]. **Hard** [CKMP24, MMK24]. **harder** [HKGK20]. **Hardness** [MMK24]. **Hardware** [NdAS23, SBSH23, YA23, BGC18, CVS⁺17]. **Hardware-Aware** [YA23]. **harmonizing** [CCW18]. **Harper** [SJSM20]. **HasChor** [SKK23]. **Haskell** [BBN⁺18, BSZL⁺18, CDD⁺19, HVH20, HH24, JGW⁺20, KFEJ19, KRB⁺21, LPR⁺20, WVdAE17, WCVE19, XPL⁺22]. **Haystack** [EPS24]. **HDL** [FMG⁺20]. **HEaaN.MLIR** [PSN⁺23]. **Heap** [MCP23, GM21, GFFS17, KSP22, MP22, MMK⁺20, TLKC18, TGSM19, WGP⁺21, WBW⁺20]. **heap-manipulating** [MMK⁺20, WGP⁺21]. **Heaps** [GFFS17, EWR19]. **Hefty** [PvdR23]. **Height** [BK24]. **Help** [GFD23, RFH⁺22]. **Herbarium** [SAFF⁺17]. **heterogeneous** [PGFP17, SMM17]. **heuristics** [COHY17, JLO20]. **HFL** [KTST23]. **Hidden** [WSG⁺20]. **High** [GLBP22, MCP23, CVS⁺17, HLK⁺20, HPRW21, LHJ⁺18, LBH⁺18, LBCRK22, SGDL20, SNB⁺19, SM19, WNC⁺19, XK21, ZYB⁺18]. **High-Level** [MCP23, GLBP22, CVS⁺17, HPRW21, LHJ⁺18, LBCRK22, SGDL20, SM19, WNC⁺19, XK21]. **high-performance** [HLK⁺20, LBH⁺18, SNB⁺19, ZYB⁺18]. **Higher** [ABG⁺21, BWJ⁺23, BOR18, CH19, DG24, FPV24, GMS⁺23, GAH⁺24, JB23, JHK24, JJR23, KKS23, KFEJ19, MHLG23, PPSW20, PT23a, PvdR23, TGS⁺24, WBJ⁺24, ABG⁺17, AK20, BWB⁺21, BBN⁺18, CK18, CGM18, DK20, DK19, EPT18, EHAO18, GM21, GGN⁺21, HG22, HTLS22, Jab20, KJK⁺22, LYU⁺22, MP17, MJ20, NDA⁺19, NGTHV18, RGGH21, RK22, ŠKV⁺18, SPKT18, SMC21, SC18, SG21, UST18, VMA19, WCD17, ZdSOS19]. **Higher-Order** [BWJ⁺23, DG24, GMS⁺23, GAH⁺24, JB23, JHK24, JJR23, KKS23, MHLG23, PT23a, PvdR23, TGS⁺24, WBJ⁺24, ABG⁺21, BOR18, KFEJ19, PPSW20, ABG⁺17, AK20, BWB⁺21, BBN⁺18, CGM18, DK20, EPT18, EHAO18, GM21, GGN⁺21, HG22, HTLS22, Jab20, KJK⁺22, LYU⁺22, MP17, MJ20, NDA⁺19, NGTHV18, RGGH21, RK22, ŠKV⁺18, SPKT18, SMC21, SC18, SG21, UST18, WCD17]. **higher-rank** [DK19]. **higher-ranked** [ZdSOS19]. **Highly** [HFS22, FKE⁺20]. **highly-concurrent** [FKE⁺20]. **Hindley** [MvdPH23, MSI19]. **Hindsight** [MWW23]. **Historia** [MMKC23]. **History** [MMKC23, RLS20, SHK⁺20, CB17, Hic20, Kin20, MHR20, MWW22, ML20b, Sym20, VHSS20]. **Hoare** [KYW24]. **Hoc** [HM23, JME20]. **HOL** [KP18b]. **HOL4P4** [ALGD24]. **Holes** [YGG⁺23, ZMD⁺24, OVCH19]. **Homomorphic** [PSN⁺23]. **hood** [CDH17]. **Hopping** [ABG⁺24]. **Horizon** [PRM⁺24]. **Horn** [BOR18, END⁺18, JJR23, KSG22]. **Horn-ICE** [END⁺18]. **hot** [BBTK⁺17]. **hs** [BSZL⁺18]. **hs-to-coq** [BSZL⁺18]. **Hull** [MLB24, MMS⁺22]. **Hunting** [CCL⁺23]. **Hybrid** [GY23, EZYS22]. **Hydra** [MR24]. **Hygienic** [CW20]. **Hyperdimensional** [YA23]. **Hyperproperties** [GMOO24, RBS24, GMOO21]. **hypersafety** [DFD22]. **I/O** [ACH⁺24, SJL19]. **ICE** [END⁺18]. **Ideal** [CK24c, SAB17]. **Ideals** [CK24c]. **idempotence** [SJL19]. **Identifying** [LK24, VN18, FZSN20]. **identity** [LP20]. **idioms** [LSM⁺22]. **Igloo** [SKE⁺20]. **Ill** [RW24]. **Ill-Typed** [RW24]. **illogical** [HFS22]. **Image** [BCSD23]. **ImageEye** [BCSD23]. **Images** [SR24]. **imaging** [AAM⁺21]. **Immutability** [LL23a]. **impacts** [BPB⁺21]. **Imperative**

[RSPC17, BCH⁺22, HWC⁺21, MCF⁺22, NPZ⁺20, PRT⁺18, QGG19]. **imperativity** [UdM22]. **Implementation** [BLP24, CZW24, BCD22, CNRG19, GV19, XCB⁺18]. **Implementations** [FSX⁺23, PYLR23, SCS24, DEO⁺20, LSA18]. **Implementing** [DD22, GSB19]. **implications** [FDvdHP22]. **Implicit** [CTZ⁺23, CJdSO23, FSK⁺22, KNNR17, Kov20, OBL⁺18, ST21]. **implicits** [KMV19]. **imprecision** [CDG22]. **Impredicative** [PT23b]. **impredicativity** [SHJV20]. **improvement** [HH18]. **Improving** [JKXH23, LWNN19, CBA17, GM21, NAJ⁺20]. **Impure** [BWJ⁺23, CHH⁺23, yXZH⁺20]. **in-Place** [LLS23, Tit22]. **in-situ** [LSZ⁺20]. **incomplete** [BGG⁺20, MRdAP18]. **inconsistencies** [RH22]. **incorporated** [EJMmH17]. **Incorrectness** [O'H20, ZDS23, ZSS24, LRV⁺22, RBDO22, YJY22, ZdAG22]. **Incremental** [HPC18, UBMS23, YHW20, ZvAV22, HH20, KPSSL18, LH22, PES20]. **Incrementalizing** [SBEV18, DRS21]. **independence** [ACMZ21]. **index** [PJD⁺21]. **Indexed** [AB23, GFB24, KKGK23, DK19, GST⁺20]. **Indexing** [SWYZ22, SKD21]. **Indistinguishability** [LKW23, LCSW24]. **Induced** [ZST⁺23]. **Induction** [PWK⁺22, HKGK20, San22]. **Inductive** [CRK24, FDSL23, JKXH23, LC23, PL23, YLY23, YRS23, CH19, FSSW21, KKA19, LPP18, Lee21, MPB⁺22, VMA19, ZXSD21]. **inductive-inductive** [KKA19]. **Industrial** [WTLM23]. **industry** [CDD⁺19, TRWS22]. **Inference** [BPBB23, CLN24, EH23, KBC⁺24, LRY23, LVSZ23, MRdAP18, PBGFC24, RBIT24, SGR⁺24, SGT⁺23, VB23a, WCD23, YZSS23, AKL19, AYB⁺22, AD17, EDWL21, ESCL22, FISS20, HGJ20, HMP⁺22, HVM20, KNNJ18, KFM21, KSS20, LYRY20, LCTS⁺20, LZ18, MSI19, NWZ⁺21, Par20, PC22, PSW21, RRG⁺21, ŠKV⁺18, ŠKG18, SKB⁺22, Tej20, VTV18, WNC⁺19, XLD20, XEdSO20, ZdSOS19, ZDDJ21]. **inferred** [INN21]. **Inferring** [PKW17]. **Infinite** [CJPR24, EPS24, HD24]. **Infinite-State** [HD24]. **infinitesimal** [Jac21]. **Information** [EDM23, HSS23, LTB⁺24, SGL⁺23, AFF⁺18, DNFK22, FISS20, HK22, Kav19, PSY⁺20, ZK22]. **Infrastructure** [SBK⁺23]. **Inhabitation** [AGK23]. **inheritance** [WSG⁺20]. **initialization** [AMT17, BL22, KLL20, LLB⁺20, WSH⁺19]. **Initialize** [WSH⁺19]. **Initializing** [LLHX23]. **inline** [CGL22, WSG⁺20]. **Inlining** [DPM23]. **Input** [ZMDJ23, CPKG17, RGSNT17, WH19]. **insensitive** [GBTB21]. **Instance** [MD24]. **instances** [BPPS20]. **instantiated** [CHJ⁺19]. **instantiation** [LMP18]. **Instantiations** [TTM⁺23]. **Instruction** [BCE⁺23, SBM20]. **Instruction-Set** [BCE⁺23]. **Instrumentation** [WCBG17]. **Integer** [LZR23, LSM⁺22]. **integer-pointer** [LSM⁺22]. **Integrated** [LHZQ24, MT18, SKS⁺19]. **integrating** [IS18, RV18]. **Integration** [WLD⁺23]. **Integrity** [HZWW24, NSW⁺24]. **Intel** [IDSW21, RLV20, RWNV20, RMV22]. **Intel-x86** [RLV20, RWNV20, RMV22]. **IntelliMerge** [SZZ⁺19]. **Intensional** [JR21, TGS⁺24]. **Inter** [TCJ20]. **Inter-theory** [TCJ20]. **Interact** [BJP23]. **Interaction** [AMA24, CC23, FTB24, yXZH⁺20, ADV21, SZ21, YW21, ZPZX21]. **Interactive** [GDM20, PE23, ABF20, FBP⁺21, KJJ⁺18, MDSM19, SSSC⁺22, ZGSN17]. **Interfaces** [AFK⁺24, YNS⁺23, ZM17]. **Interleaved** [LZR23, KP22, LZR21]. **Interleaved-Dyck** [LZR23]. **interlocked** [SBM20]. **Intermediate** [KCB⁺23, KKGK23, LCM⁺23, LZD⁺24b]. **Intermittent** [SSJL23, MCL17, SJL19, SLJ20]. **Internal**

[ACKS24, VND24]. **Internalizing** [ACMZ21, LCSW24]. **Interoperability** [GHS⁺23]. **Interoperable** [BHOK23]. **Interpretable** [ZR21]. **Interpretation** [Cou24, GFV23, Lem23, MZB24, MFSV23, YLY23, BGMW20, BPPS18, CDG22, CS21, EHAO18, FSSW22, FDvdHP22, GLR⁺20, KE19, Kes22, LYU⁺22, LLSS22, MJ20, RMH21, ZYT⁺19]. **Interpretation-Guided** [GFV23]. **interpretations** [BGG⁺20]. **Interpreter** [WTLM23, Tit22]. **Interpreters** [KEH23, LKBM23, AR18, CNRG19, DLNV17, KPE18, PRT⁺18, WDR18, WCR19, YZZ22, ZRH⁺20, vdRPR⁺22]. **Intersection** [DdVMY19, DFD21, XHdSO23, CL17, HdSO21, MSdSOK20, MPV18, MT18, WMW18]. **Interval** [ACKS24, WAPJ22, ZMT23, WWGW20]. **intervals** [SG21]. **Intrinsically** [PRT⁺18, RKV21, Thi23, vdRPR⁺22]. **Intrinsically-typed** [PRT⁺18, vdRPR⁺22]. **Introduction** [OBS⁺22]. **Introductory** [ZCG⁺24]. **intuitionistic** [Kes22]. **invariant** [FISS20, KCBR18, LFY⁺22]. **Invariants** [MMK24, TBGW23, END⁺18, FSSW21, PWK⁺22, WWC17]. **Invented** [TSP⁺23]. **invertible** [MW20a]. **IoT** [ICHZ23]. **IR** [LWY⁺22, SSH⁺19, ZBY⁺21]. **IR-pass** [LWY⁺22]. **Iris** [GST⁺20, MD24, RGL⁺23, dVJP20]. **irrelevance** [GCST19]. **IRs** [BWJ⁺23]. **Isabelle** [KP18b, WTLM23]. **Isabelle/HOL** [KP18b]. **Iso** [Ros23, ZdSOZ20]. **Iso-Recursive** [Ros23, ZdSOZ20]. **Isolation** [BERC23, KNJ⁺22, BKV⁺21, KNNJ18, LRS⁺20, LSC⁺22]. **isomorphism** [SdSCQ19]. **iteration** [SHW⁺20]. **Iterative** [XLSX24, YLY23]. **Iterative-Epoch** [XLSX24]. **Iterators** [MFSV23]. **itself** [JGMP22]. **ity** [CJPR24]. **IVT** [WHZ⁺19].

Jacobians [LYSM22]. **Java** [BP19, CNRG19, DRS21, LH22, LHP⁺24, MHN19, MKTD17, MV20, SMS24]. **JavaDL** [DRS21]. **JavaScript** [AMT17, AZMT18, CVG⁺17, GTT21, MLT17, MNT20, SMN⁺18, Ser21, WBE20]. **JaVerT** [SMN⁺18]. **JIT** [BBF⁺21, BBP23, PBC⁺21, XCB⁺18]. **job** [WBS⁺22]. **joint** [LWY⁺22]. **Jones** [BP18]. **Jones-optimal** [BP18]. **JSON** [ABC⁺24, RVD23]. **Julia** [BCG⁺20, BCC⁺18, NBP⁺18, PBC⁺21]. **Just** [BPP20, DYLP23, MKG⁺23]. **Just-in-Time** [DYLP23, MKG⁺23, BPP20]. **JVM** [CSD⁺21, LMM17a].

Kahn [BM20]. **Kami** [CVS⁺17]. **Katara** [LPM⁺22]. **Kater** [KLV23]. **Keep** [FZL18]. **Kernel** [RCLJ24]. **kernels** [MH21]. **Kind** [XEdSO20]. **Kindly** [RST20]. **Kinds** [DAJE20, CT19]. **Kirk** [HFS22]. **Kleene** [SFH⁺20, ZdAG22]. **knew** [RAT17]. **know** [BG18]. **Knowing** [RvAP⁺20]. **Knowledge** [ABG⁺23, PCW⁺23, RAT17]. **Known** [SV23]. **Koord** [GHMM20]. **Kripke** [KHL22].

Label [FKT21, TV20, LZ18]. **Label-dependent** [TV20]. **labels** [BPPS20, HC21, RKV21]. **laboratories** [OLC⁺18]. **laboratories-on-a-chip** [OLC⁺18]. **LabVIEW** [Kod20]. **lambda** [BMP20, CdV20, FKT21, MKTD17, ABG⁺23, AGK23, BDD⁺23, CK24a, Mor19, YW19, YTO23]. **lambda-calculus** [BMP20, CdV20]. **Landscape** [CJPR24]. **Language** [BLH23, BKFV23, CZW24, CK24b, CDE⁺24, KVA⁺23, LSTZ23, LHN23, LCT⁺23, LZD⁺24b, LK24, NGP⁺24, PYLR23, PvAPV22, SKS⁺19, SSCC24, TT23, VLRH23, XTZ⁺23, XLSX24, YD23, AP20, AK20, BKKM21, BBN⁺18, BRS18, BBP20, BAP20, CPB⁺22, CC22, DSLH20, GDM20, GHMM20, HGJ20, HTLS22, JJKD18, KKC17, Kin20, KPH22,

KM20, KPSL18, LSDZ22, MW20a, MCP21, NDA⁺19, Pue17, RRG⁺21, RGSNT17, SSS⁺23, SFVJ19, SNB⁺19, SScWS19, SC18, UdM22, VHSS20, VMA19, WCGC18, WWC17, YWDD17, ZPG⁺17]. **Language-Agnostic** [LCT⁺23, XTZ⁺23]. **Language-integrated** [SKS⁺19]. **Language-parametric** [PvAPV22, KPSL18]. **Languages** [AM24, BWJ⁺23, CLN24, GMDA24, KM23, LBR23, LKFT23, RG23, SR24, WKN⁺23, ACF17, BKF20, BJC⁺22, COHY17, CKS22, CFD⁺17, DTM⁺18, Ell21, KPSL18, LCTS⁺20, MRG18, PRT⁺18, SPKT18, SDdSO22, XK21]. **Large** [BKFV23, EHAO18, GDBK⁺21, HFS22, KMV19, LWW⁺20, LLZ⁺22]. **large-scale** [GDBK⁺21, KMV19, LWW⁺20, LLZ⁺22]. **larger** [RFH⁺22]. **Last** [YNS⁺23]. **late** [KMP19]. **Latency** [ZSK23]. **Later** [SGT⁺22]. **Lattice** [HSS23, SBEV18]. **lattice-based** [SBEV18]. **lattices** [BKMM19]. **law** [MCP21]. **Layered** [VMS⁺22, YZZ22]. **layering** [HT18]. **Layout** [CLO⁺23, LZH23, LCA⁺23, BFV18, PETK19]. **Layout-Sensitive** [LZH23]. **laziness** [FZL18, GV19]. **Lazy** [DKPS23, KVA⁺23, HT18, ZXSD21]. **Leaf** [HHPP23]. **Leak** [JB23]. **Leakage** [MWT⁺23, SGL⁺23]. **leaks** [BGM19, GCY⁺20, VDvG⁺21]. **leaky** [JRB⁺22]. **Learning** [BOW⁺23, BMC24, CKN⁺23, CYL⁺24, CK24b, DMKR24, FSSW21, JLO20, KM22, KM23, LPM⁺24, MDBL20, NSW⁺24, RCLJ24, SSC⁺17, SADC23, VGJW23, WLD⁺23, WWGW20, WLJ⁺23, WCC17, YLWN24, YZSS23, ZSZ24, BSPC19, BPP20, CR19, COHY17, CWF⁺19, END⁺18, KLMM22, LWNN19, PS18, SZD⁺17, SC18, WCH⁺19, ZBG⁺22]. **Learning-Based** [LPM⁺24, YLWN24, MDBL20]. **least** [MPB⁺22]. **left** [OBS⁺22]. **Legal** [BRG23]. **lemma** [BG18, LFY⁺22, SSSC⁺22, TLKC18]. **lemmas** [MPB⁺22]. **Lengths** [CCH⁺23]. **lenient** [CKT18]. **lenses** [HPC18, MMF⁺18, MFP⁺18, MMF⁺19]. **LER** [DS17]. **LER-notation** [DS17]. **Less** [HM23, KKZ23, SY19, JME20]. **Leto** [BGC18]. **Level** [MCP23, BBKO22, CT19, CVS⁺17, GLBP22, GCS⁺18, HPRW21, KFEJ19, Kov22, LHJ⁺18, LBCRK22, MA18, PZR⁺17, SGDL20, SM19, WNC⁺19, XK21, ZRH⁺19]. **Levels** [BERC23, BKV⁺21]. **Leveraging** [AMPS19, FIM⁺23, RAT17]. **Lexical** [MSS⁺23]. **lexically** [BPPS20]. **Lexicographic** [ACN18]. **Lexing** [YXK23]. **Liberate** [PBGFC24]. **Libraries** [GKS23, DA18, GRS⁺21, LBH⁺18, LAGN21, MJ22]. **Library** [BOW⁺23, BLP24, LB23, SL23, MRX⁺19, MNT20, WLH⁺17, ZDDJ21]. **lie** [GFFS17]. **life** [MW20b]. **Lifetime** [TCGS23]. **Lifting** [FKRS23, LPM⁺22, SC20]. **Lightweight** [HH24, ADN22, BSO20, SCK⁺20]. **like** [COHY17, SSK22]. **Lilac** [LAH23]. **Limit** [XTZ⁺23]. **limited** [LL22]. **limiting** [CDG22]. **Limits** [EBP⁺23, YVC24, KSP22]. **Lineage** [CBS23]. **Lineage-Based** [CBS23]. **Linear** [BGLZ24, LHC⁺23, LLZ⁺22, LZR23, TMPV23, VPD19, WL23, AKK⁺21, AG20, BNS20, BHP⁺19, BMP20, FK18, GTF⁺20, KLO⁺22, KCBR18, LMZ19, LFY⁺22, NDA⁺19, QKB21, SDB19, SFH⁺20, ZHL⁺20, BBN⁺18]. **Linearity** [CGM18, JHK24, SKP23, THLM24, BBN⁺18]. **Linearizability** [DRV23, JJYH24, MK23b, VSC23, EE18]. **Linearize** [RPF⁺23]. **Linearly** [SKB⁺22]. **link** [DA18, LJ20]. **Linked** [PNPW22]. **linking** [BDA20, SCK⁺20, SKE⁺20]. **linters** [HFS22]. **Linux** [RCLJ24]. **Liquid** [KWR⁺20, LGVJ23, PSY⁺20, HVH20, VTV18, LPR⁺20]. **Liquidate** [HVH20]. **Lisp** [MS20]. **literal** [OA18]. **Live** [OVCH19, YGG⁺23, LCOC20]. **LiveDroid**

[FZSN20]. **Liveness**
 [YTGN24, BGM21, BMTZ21, PHL+18].
living [Mai17]. **LLM** [LHZQ24].
LLM-Integrated [LHZQ24]. **LLMs**
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Local
 [CJ17, LZD+24a, RB24, ZSS24, GGV+21,
 LLSS22, PBS+17, UdM22, dVPJ20].
Localization [ZMD+24, LZ17].
localizations [WCMH19]. **Localizing**
 [NHS+23, SSC+17]. **Locally** [Pit23].
locations [MNT20]. **Lock**
 [BS17, Coh18, KRV19, MW20b, ZFS+19].
lock-free [Coh18, MW20b, ZFS+19].
Lock-step [BS17]. **Locks** [JB23].
Logarithm [FW22]. **logging** [CFL17].
Logic
 [ABC+23, DPM23, GHP+23, GAH+24,
 GHS+23, HLP+24, HHPP23, JHK23, JHK24,
 JLC+23, KYW24, KDR23, LAH23, LSPP+23,
 MWW23, MCP23, MWB24, MCK23,
 MK23b, PT23a, PGJM24, PMS+23, TGS+24,
 UTGK23, VB23b, ZDS23, ZSS24, ABG+17,
 AG20, BGHT22, BHL20, BDYG+21, Cha20b,
 CR20, CTR+20, DMS22, FRS+21, GSS+22,
 GGN+21, GLSY20, HBK20, JBK22a,
 JLP+20, KJJ+18, KLMM22, LRV+22,
 LLSS22, MP22, MJP20, MWW22, NBDF19,
 NGR+22, O'H20, PHL+18, QKB21, RLV20,
 RBDO22, SKE+20, SC18, SYW+21,
 SRF+20, TLKC18, TGSM19, VPD19, YM21,
 YJY22, ZRH+19, ZdAG22, dVP21]. **Logical**
 [AB23, GNSH24, LW23, TGB24, GST+20,
 GBTB21, KyKS22, LSSO18, NSGH22,
 SLO19, TSKJB18]. **Logics**
 [Cou24, MMKC23, ABG+21, FNB+21,
 KM22, MHRV20]. **Logo** [SHK+20]. **Long**
 [PRM+24]. **Long-Horizon** [PRM+24].
longitudinal [LWW+20]. **Look**
 [IGB+23, SHJV20]. **Lookaround** [MC24].
Loop [LBR23, MKC+23, SBSH23, DS17,
 GCS+18, PGIY20]. **Loops**
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 SGDL20]. **low-code** [BJC+22]. **low-level**
 [LHJ+18, PZR+17, SGDL20]. **Lower**
 [FCS+23, GJS20, HKGK20]. **LR** [YNIC19].
LURK [ABG+23]. **LXM** [SV21].
m [Rei17]. **Machine** [JJYH24, LSTZ23,
 NSW+24, WLD+23, YZSS23, YVC24,
 BBTK+17, BCD22, MRG18, Rot21, SVR17].
machine-code [SVR17]. **Machine-Verified**
 [JJYH24]. **Machines**
 [LSPP+23, GTB22, IEC22, WDR18].
MacoCaml [XWNY23]. **macro** [CW20].
Macros
 [BKF20, FAA+23, XWNY23, CBTB20].
Made [BRG23, HJL24, PMC+23, GJK+21,
 KKT19, PLSS17, Par20]. **MadMax**
 [GKJ+18]. **Mailbox** [FAS+23]. **Makam**
 [SC18]. **Making** [BWJ+23, HM23, LNO+21,
 TLM+21, XHdSO23, ACF17, JME20].
Management
 [ACC+23, SGT+23, WFRA24, PVV+17].
managers [CG21]. **Manifest** [BP17].
manipulating
 [MMK+20, WCMH19, WGP+21, ZSL+22].
Manipulation [ZGHH23, MKC18].
Manipulations [DQ24, ZXG+24, QSL17].
manual [PVV+17]. **many**
 [HFS22, KPSL18]. **map** [LMM+17b]. **Maps**
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 [RRG+21]. **Masking** [GZS+23]. **masses**
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matcher [SJSM20]. **Matching**
 [LKM23, MC24, MNR+23, RBIT24,
 YGG+23, BGWXP22, CR20, CTR+20,
 CA18a, Tej20, THL+20, ZWWT22]. **Math**
 [BLP24, LAGN21]. **math.h** [LSA18].
Mathematical [GMS+23, BGK+22].
MATLAB [ML20b]. **Matrix** [CTZ+23].
Matrix-Based [CTZ+23]. **Matrix-Free**
 [CTZ+23]. **matter** [MTDC19]. **Matters**
 [CPC+23]. **May** [LZL+24]. **means** [AG20].

Measurable [EPT18]. **measure** [Jac21]. **measurement** [XLD20, ZR21]. **mechanical** [ZdSOS19]. **Mechanised** [LSPP+23]. **Mechanization** [JAZ23]. **Mechanized** [ALGD24, BBP20, GBTB21, TB19, VB23b, BL22]. **Mechanizing** [BVJ24, LZP24, SKP23]. **Meet** [KYW24]. **meets** [DJKD20, KCL22]. **Melocoton** [GHS+23]. **Memento** [CJRK23]. **Memoization** [SPX23]. **Memory** [ACC+23, BRG23, CKMP24, CJRK23, GCS+23, HMMdL23, JLC+23, KLV23, LCM+23, MGB+23, RB24, SL23, TAC+23, VB23b, XCS+24, ZCH23, TDJ+23, ABM+21, BMTZ21, BCG+21, CFL17, Coh18, CAL18, CG21, DD22, DJKD20, DJR18, GGN+21, HWC+21, IDSW21, JJR20, JRB+22, KSP22, KSTM20, KRB+21, LGTS20, LNO+21, ML21, MMK+20, MJ21, MW20b, MKV22, PVV+17, RV18, RMV22, UAM17, WZSK22]. **Memory-Safe** [MGB+23, HWC+21]. **MemPerf** [ZST+23]. **merge** [CBA17, SDL18, ZH18]. **Mergeable** [KPSJ19]. **Merging** [PL23, PNWT22, SZZ+19]. **Merlin** [BRS18]. **Message** [DFLL23, JHK24, KP24, MMKC23, MDPS23, Wad17]. **Message-History** [MMKC23]. **Message-Observing** [KP24]. **Message-Passing** [DFLL23]. **Messages** [BPBB23, WCC17]. **messaging** [MAN17]. **Meta** [KM23, LKBM23, KHL22, WCR19]. **Meta-Compilation** [LKBM23]. **meta-programming** [KHL22, WCR19]. **Meta-theorem** [KM23]. **metaprogramming** [EUR+17, JGMP22]. **Metatheory** [JAZ23, KLV23, FS22]. **Method** [TCGS23, WWW23, BCG+20, JBK22a, KH21, WHZ+19]. **Methodology** [FSX+23]. **Methods** [NGP+24, LF18]. **microarchitectural** [RH22]. **Microservice** [KZA+23]. **Migrating** [CCEW18, GJK+21]. **Migration** [GFD23, GTT21, PCAGG21]. **Milner** [MvdPH23, MSI19]. **Milner-Style** [MvdPH23]. **MILP** [WGW23]. **Minimality** [XTZ+23]. **Minimization** [JW23]. **mining** [KNNR17]. **Misconceptions** [LK24]. **misconfigurations** [ZPZX21]. **mismatches** [HFS22]. **missed** [CKP22]. **Mitigating** [MWT+23, BPB+21]. **mix** [PT20]. **Mixed** [LMZ19, Chl21]. **Mixtures** [RBIT24]. **ML** [AHMM23, MHR20, WR18]. **ML-Enabled** [AHMM23]. **MLstruct** [PC22]. **mobile** [FZSN20, RFH+22]. **Mobius** [TSP+23]. **Modal** [ADE23, BM23, LAH23, BGM19, GSB19, KJJ+18, OLE19, RRG+21, VRC22, ZN21]. **Modalities** [Kav19, AB20]. **modality** [SGT+22]. **mode** [KJK+22, RSY21]. **Model** [CGK23b, DG24, KLV23, MKV22, MPB+22, SGL+23, SVR17, TA24, UAM17, AAJN18, AAJ+19, BL22, BAY20, CL21, DNFK22, EPT18, HKVR21, HKSS21, JJR20, JDKD20, KLSV18, KRV19, KKT19, MLT17, ML21, MJ21, MDSM19, RV18, SCMS20, TU22, WZSK22, YAC21]. **Model-assisted** [SVR17]. **Model-Checking** [DG24, TU22]. **model-finding** [DNFK22]. **Model-guided** [MPB+22]. **Modeling** [MH21, RB24, BKPS18, JWJ+21, LGTS20, SMC19, SGL+21]. **Models** [BJP23, BKFV23, CYL+24, DFLL23, EPS24, GWW23, GCS+23, HMMdL23, KMO23, TAC+23, WWW23, YW23, AJRG21, BGK+22, BGC18, BCG+21, HHY+21, KyKS22, LNO+21, LMÖ+22, NPWW22, PFD+18, RWV19, RRG+21, SSR+21, UAM17, VLG21, YAY20]. **Modern** [ABC+24, WCD17]. **modes** [BP19, LN22]. **Modification** [KUST24, SU23]. **Modular** [CTZ+23, FTB24, HFCG19, JLC+23, KO23, NPWW22, NGR+22, NdAS23, PETK19, PvdR23, RGL+23, TGSM19, TBGW23, UTGK23, WBM+21, YW23, ZBY+21, AMPS19, AMS20, CVS+17, GGN+21, LW22b, ŠKG18, SCK+20, WCR19]. **Modularity** [HHPP23, HFP23, AGR+20]. **module** [Cra19]. **Modules**

[CRR24, ZWW⁺24, EHAO18, HH20]. **Modulo** [LL23b, ASD⁺21, KSG22, MR22]. **Modus** [MSdSOK20]. **Moebius** [JGMP22]. **Moment** [RBIT24, MSBK22]. **Moment-Matching** [RBIT24]. **monad** [JDT22]. **Monadic** [BH22, Cho22, RBG⁺18, SLDN17, WTLM23, FKL17, TSKJB18, YZZ22]. **Monads** [BCE⁺23, DKPS23, AHL20, HT18, Hir19, yKMUW22, KHL22, MAA⁺19, SZ21]. **Monitoring** [AM24, EE18]. **monitors** [CMP20, FSK⁺22, GFD19]. **MonkeyDB** [BKV⁺21]. **Monoids** [YW23]. **monomorphisation** [EZYS22]. **monotone** [FSSW22]. **monotonic** [AFH⁺18]. **Monotonicity** [CDGU24]. **MOOC** [CDH17]. **morphisms** [NBDF19]. **Mosaic** [BHOK23]. **MoSeL** [KJJ⁺18]. **Mossad** [DMB20]. **Mostly** [GKS23, YTCN24, BBTSTH17]. **motion** [MYZ20]. **movies** [ACF17]. **moving** [SCJG21]. **MSL** [JJR23]. **MSWasm** [MGB⁺23]. **Mtac2** [KZK⁺18]. **Much** [HKSS21, MTDC19]. **Multi** [ADV22, CC23, RRG⁺21, SSS⁺23, MKV22, SEP⁺20]. **multi-actor** [SEP⁺20]. **multi-execution** [MKV22]. **Multi-language** [SSS⁺23]. **Multi-modal** [RRG⁺21]. **Multi-token** [CC23]. **multicopy** [PKSW21, PFD⁺18]. **multicopy-atomic** [PFD⁺18]. **multicore** [CFKP22, MJP20]. **multiparadigm** [VHSS20]. **Multiparty** [GY23, JBK22b, MYZ20, CPY20, GPP⁺21, SY19, VHEZ21, ZFH⁺20]. **multiple** [LN22, PHSR19, USM22]. **multiplexing** [DA18]. **multiplicative** [AG20]. **multithreaded** [BMTZ21]. **Multiverse** [SN24]. **must** [GM21]. **must-alias** [GM21]. **mutation** [BDG⁺22, LWY⁺22, PWZS21]. **mutations** [WZS20]. **Mutually** [Ros23].

name [MM19, PS18, RvAP⁺20, SSSW21]. **name-based** [PS18]. **Nameless** [Pit23, RKV21]. **names** [XCIL22].

Narcissus [DSPC⁺19]. **Native** [BBP23, EC22]. **Natural** [QSL17, BGPT19, CPB⁺22, GDM20, LMP18, YWDD17]. **Navigate** [GFD23]. **Near** [WLJ⁺23, KNJ⁺22, WAA22]. **Near-Optimal** [WLJ⁺23]. **near-zero** [WAA22]. **near-zero-cost** [KNJ⁺22]. **nearly** [SFH⁺20]. **Necessity** [MEND22]. **need** [BBBK17, Bie22, BCD22, HH19]. **needa** [BG18]. **Needle** [EPS24]. **negation** [BMP20]. **negative** [BGHT22, BPB⁺21, CS21, DNFK22]. **Nested** [KKFI⁺24, SSK22, WYFA20, ZA22]. **nested-parallel** [WYFA20]. **NetKAT** [VS20]. **nets** [Kes22]. **Network** [GHP⁺23, KC24, WLJ⁺23, WLS⁺23, WCD23, ZSL⁺24, BGMW20, GSW21, MMS⁺22, WWGW20]. **networked** [SEP⁺20]. **Networks** [FPV24, MFSV23, TNMT23, UBMS23, LWNN19, USM22, UCWZ20, WAPJ22]. **Neural** [DAY20, JPR22, KC24, MFSV23, RDC23, TNMT23, UBMS23, WCD23, BLF⁺19, LWNN19, MCF⁺22, MMS⁺22, USM22, UCWZ20, WWGW20, WAPJ22]. **neural-backed** [BLF⁺19]. **neural-guided** [MCF⁺22]. **Neurosymbolic** [BJC⁺22, LHN23, SEG⁺22]. **never** [KMP19]. **Newly** [GM21]. **Newly-single** [GM21]. **Newtonian** [WR24]. **next** [MHRV20, PA19b, CNH20]. **night** [BPPS20]. **NK** [VS20]. **No** [DMS17, KHL22]. **No-brainer** [DMS17]. **Nominal** [AFK⁺24, Pop24, MT21, Rot21, WZSK22]. **nominally** [MT17]. **Non** [CGLT24, KCBR18, LC23, CFL17, CAL18, FF20, KPH22, LAF⁺20, LMZ19, PVV⁺17, RMV22, SYW⁺21, UST18]. **non-blocking** [FF20, PVV⁺17]. **non-crashing** [SYW⁺21]. **Non-deterministic** [CGLT24, UST18]. **Non-linear** [KCBR18, LMZ19]. **Non-recursive** [LC23]. **non-strict** [KPH22]. **non-temporal** [RMV22]. **non-termination** [LAF⁺20]. **non-volatile** [CFL17, CAL18]. **Nonbacktracking**

[MNR⁺23]. **Nondeterminism**
 [AB23, BBKW24]. **Nondeterministic**
 [CHH⁺23, WZS19]. **Noninterference**
 [HP23, MCE⁺23, AB19, GBTB21, ZR21].
Normalization
 [AVW17, VRC22, BP18, ETG19]. **notation**
 [DS17, OA18]. **Notebook** [SN24]. **Novel**
 [PBGFC24]. **novice** [SSC⁺17]. **nullable**
 [MvdP21]. **number** [LYSM22, SV21].
Numbers [SV23]. **numerical**
 [CN22, SPV18].

O [ACH⁺24, S JL19]. **Object**
 [CAL18, HGL⁺23, SMS24, ZGHH23, BS21,
 BL22, FG18, JO22, KLL20, KEW⁺20,
 LLB⁺20, LX19, RKS18, RKHL17, SGD17,
 VMS⁺22, WXWS20]. **object-based**
 [VMS⁺22]. **Object-Oriented**
 [ZGHH23, CAL18, FG18, JO22, KEW⁺20].
Object-Sensitive [HGL⁺23, LX19].
object-sensitivity [RKS18]. **Objective**
 [CNH20]. **Objective-C** [CNH20]. **Objects**
 [EK24, HQK⁺24, LLHX23, ZGHH23,
 BGWXP22, EJMmH17, GAGG⁺18,
 LyXK⁺22, LF18, WHZ⁺19]. **Oblivious**
 [YD22, YD23, YD24, DSLH20].
observability [AC20]. **Observational**
 [FDSL23, PT22, PT23b, VND24, ML21].
Observers [CGLT24]. **Observing** [KP24].
Obsidian [CAMS20]. **Obtaining** [SGL⁺23].
OCaml [BRS18, CDH17, CRR24, GHS⁺23,
 LJ20, MJP20, SDW⁺20]. **occurrence**
 [CLNL22]. **Offline** [RVD23]. **On-Demand**
 [CGK⁺23a]. **On-the-Fly** [KLPT24]. **Once**
 [RPF⁺23, WSH⁺19]. **One**
 [BCB21, KPSL18, LN22, WLS⁺23, YDC23].
Online
 [GAGG⁺18, XLSX24, DLC22, TBB⁺19].
Only [RPF⁺23, BBTSTH17]. **onto**
 [SDW⁺20]. **OOP** [BSSO24]. **op**
 [NGR⁺22, WMM20]. **op-based**
 [NGR⁺22, WMM20]. **Open** [ZWW⁺24].
Operational
 [CZW⁺23, GMS⁺23, LCK⁺23, SL23, SZ24,

HH18, Hir19, KKSL22, Mai17, PFD⁺18].
Operations
 [XHdSO23, YW23, EWR19, MHN19].
operator [WZS20]. **opportunities** [VN18].
optics [BG18]. **Optimal**
 [AAJN18, AAJ⁺19, CCP18b, GTU23,
 KSP22, MPV21, MZB24, SFRM20, TAC⁺23,
 WLJ⁺23, BP18, KMGV22]. **optimisation**
 [LJ20]. **Optimised** [LRY23]. **Optimization**
 [BSRC19, CKC24, WGW23, YZSS23, YA23,
 ZWR24, CWG⁺22, FMTSL20, HHT20,
 LBCRK22, MV20, MOP21, SZD⁺21,
 VCD⁺21]. **Optimizations**
 [BWJ⁺23, GBB⁺23, IGB⁺23, LBR23, MR24,
 BPB⁺21, CKP22, FSY⁺18, GSS⁺22,
 HLK⁺20, LHJ⁺18, LP20, PLA21, PP20,
 SHdM20, SSH⁺19]. **optimize** [RAT17].
optimized [MA18]. **Optimizer**
 [LPM⁺24, HRH⁺21]. **Optimizers**
 [XMP⁺23]. **Optimizing**
 [PSN⁺23, BCG⁺20, Mai17, OUM18]. **Oracle**
 [JKXH23, WTLM23, ZGS⁺22]. **Oracle-free**
 [ZGS⁺22]. **Oracle-Guided** [JKXH23].
oracles [LVH⁺22]. **Orca** [CFD⁺17].
Orchestration [TGB⁺23]. **Order**
 [BERC23, BWJ⁺23, DG24, DFLL23, FVP24,
 GMS⁺23, GAH⁺24, FAM23, JB23, JHK24,
 JJR23, KKS23, LCM⁺23, LLHX23,
 MHLG23, MPJM23, PT23a, PvdR23,
 TGS⁺24, WBJ⁺24, ZZX⁺23, ABG⁺17,
 ABG⁺21, AK20, BWB⁺21, BBN⁺18,
 BOR18, CCP⁺18a, CPT19, CGM18, DK20,
 EPT18, EHAO18, FS22, GM21, GGN⁺21,
 GCY⁺20, Ham17, HKVR21, HG22, HTLS22,
 Jab20, KFEJ19, KMGV22, KJK⁺22,
 LYU⁺22, MP17, MJ20, NDA⁺19, NGTHV18,
 PHL⁺18, PPSW20, RGGH21, RK22,
 ŠKV⁺18, SPKT18, SMC21, SC18, SG21,
 UST18, WCD17]. **order-aware** [HKVR21].
Order-Theoretic [FAM23]. **Oriented**
 [CPC⁺23, CZW24, ZGHH23, CAL18, FG18,
 FRS⁺21, GRS⁺21, JO22, KEW⁺20].
Origins [BAP20, CNH20]. **ornamentation**
 [WR18]. **Orthologic** [GK24]. **other**

[MM19]. **ours** [JLP⁺20]. **out-of-gas** [GKJ⁺18]. **out-of-order** [GCY⁺20]. **out-of-thin-air** [OD18]. **Outcome** [ZDS23, ZSS24]. **output** [DNFK22, GRS⁺21, KNSA20]. **output-oriented** [GRS⁺21]. **overflow** [TML⁺22]. **overhead** [MV20]. **Overloading** [RHdSOZ23]. **Overwatch** [ZBG⁺22]. **Owicki** [RLV20]. **Own** [SBMM23]. **Ownership** [CGK23b, MO24, CAMS20]. **Oz** [VHSS20].

P [GS17, VS20]. **P/Taint** [GS17]. **p4** [DAB⁺21, ALGD24, LGHS23]. **P4R** [LGHS23]. **P4R-Type** [LGHS23]. **Packet** [MLF⁺23, LW22b]. **page** [PETK19]. **pairs** [NA18]. **paradigm** [BGK⁺22]. **Paradoxes** [Jac21]. **Parallel** [ASW23, AWA23, DHP18, LBR23, AJRG21, AWA21, AG20, CSM⁺17, Ell17b, FJM19, HKVR21, KVT20, MP21a, MRG18, Mul22, SLDN17, UCWZ20, WYFA20]. **Parallelism** [EH23, MSK⁺23, WFRA24, KRV⁺21, MA18, MAH18, MWA19, PJD⁺21, RLS20, SDW⁺20]. **parallelism-preserving** [PJD⁺21]. **Parallelization** [DTM⁺18, Mor19]. **Parameterized** [AAR20, FKP24, LZP24, MSTV23, JWJ⁺21]. **Parametric** [CFGH23, DYLP23, DMPD24, HH18, MMY⁺24, NVD17, THM⁺23, CHJ⁺19, CVS⁺17, KPSL18, PvAPV22]. **Parametricity** [ACKS24, DPP18, VND24, AJSW17, AB19, LTTD22, NJA20, TTS18, TLT19]. **ParDiff** [ZSL⁺24]. **Parentheses** [FAA⁺23]. **Parikh** [HJL24, SR24]. **parse** [SEG⁺22]. **Parser** [YXK23, JKT21, WWP20]. **Parsers** [ZSL⁺24]. **Parsing** [DA20, GP22, ZMT23, HBP19]. **Part** [LGFD23]. **Partial** [BERC23, DFLL23, JME20, ZZX⁺23, AC20, BP18, CCP⁺18a, CPT19, DLNS21, KMGV22, LBH⁺18, LF18, LX19, CDG22]. **Partially** [YvGK18, MW20a]. **partially-invertible** [MW20a]. **Partially-static** [YvGK18]. **partition** [MN18]. **partitioning** [RS20]. **partitions** [LSC⁺22]. **pass** [LWY⁺22, MMK⁺20]. **Passing** [DFLL23, JHK24, ABD21, EZYS22, SBO20, XL21]. **past** [KSSL18]. **patch** [XK21]. **Path** [DRV23, MPAG20, MV19, RL19, ZYT⁺19]. **path-dependent** [RL19]. **pathologies** [PBC⁺21]. **pathology** [FGS⁺18]. **paths** [LyXW21]. **Pathwidth** [CGL23b]. **Pattern** [AM24, HGL⁺23, YGG⁺23, BGWXP22, CA18a, DRS21, GJS20, JGMP22, JR21, Tej20]. **pattern-match** [GJS20, JR21]. **patterns** [SGD17, ZBG⁺22]. **Paxos** [PLSS17]. **payment** [WZS19]. **PCF** [MP21b]. **PDE** [CTZ⁺23]. **Pearl** [Bre23, JHK23, SKK23, Thi23, ACF17, BH22, Ber17, BG18, BBRM17, Cha20b, Chl21, DLNV17, DA20, DMS17, HLK⁺20, HdSO21, KSSL18, Par20, PA19b, Per18, PH21, Ram22, SAFF⁺17, SC18, SJS20, SB19, Udm22, WDR18, YF18]. **Peephole** [MR24]. **penultimate** [WZD⁺19]. **per-path** [ZYT⁺19]. **Perception** [AHMM23]. **perfect** [SMTH20]. **Perfectly** [UCWZ20]. **Performal** [ZSK23]. **Performance** [CKC24, ZST⁺23, BCC⁺18, CCW18, GF18, HLK⁺20, LBH⁺18, PBC⁺21, Ser21, SNB⁺19, WSG⁺20, ZYB⁺18]. **Periodic** [WL23]. **Permchecker** [CG21]. **permissions** [YDJD21]. **PERs** [PT23a]. **PerSeVerE** [KKRV21]. **Persimmon** [KKFI⁺24]. **Persistence** [Pue17, RV18]. **Persistency** [RWNV20, KL21, KKR21, RV18, RWV19, RMV22]. **Persistent** [CJRK23, KRB⁺21, RLV20, VB23b, AAB⁺21]. **perspective** [CLPS19]. **perturbation** [ASMS20]. **Petr4** [DAB⁺21]. **phases** [UAM17]. **physicist** [KH21]. **Pi** [CHKS24, DdVMY19]. **pi-calculus** [DdVMY19]. **Piece** [YNS⁺23]. **pipeline** [LW22b, RK22]. **Pipelines** [RWAM24, AAM⁺21, HKVR21, MV20, Spi17]. **Pirouette** [HG22]. **Pixel**

[SADC23, YDC23]. **Place** [LLS23, Tit22]. **Placed** [ZWS23b]. **Placement** [ZWS23b, PGFP17]. **plagiarism** [DMB20]. **PlanAlyzer** [TBB⁺19]. **Plane** [LGHS23, TBGW23, ECK⁺22]. **planes** [BGMW20, DAB⁺21, GSW21]. **Platform** [SKG⁺23, CVS⁺17]. **platforms** [PP22]. **Plausible** [LTTD22]. **play** [BS17]. **Plotkin** [BM20]. **point** [Ada19, LAGN21, PJD⁺21, ZZX⁺20, ZGS⁺22]. **Pointer** [CKP23, HGL⁺23, MYT⁺23, MW20b, BDCN20, JLO20, LSM⁺22, LTMS18, LH22, LX19, MP21a, SHdM20, TLM⁺21]. **pointer-based** [SHdM20]. **Pointers** [ZCH23]. **pointful** [PJD⁺21]. **points** [BS21, GS17, JJO18, JJCO17, RKS18]. **points-to** [BS21, GS17, JJO18, JJCO17, RKS18]. **Policies** [RVD23, YD24]. **Policy** [HP23, MCE⁺23, YD23, YD24, PWS20]. **Policy-Agnostic** [YD23, YD24]. **Policy-Based** [MCE⁺23]. **polling** [BC18]. **Polyadic** [MPV18]. **polyhedral** [CL21, YAC21]. **Polymorphic** [CLN24, Els23, MvdP20, PHSR19, WBJ⁺24, BBN⁺18, ISI17, STI20, WHZ⁺19, ZdSOS19]. **Polymorphism** [DYLP23, DMPD24, FAM23, JAZ23, KKFI⁺24, PBGFC24, THM⁺23, BSO20, DK19, HH18, OUM18, ST21, ZM17]. **Polynomial** [Atk24, BMCSW24, CK24c, GHMM23, HP23, MMK24, LN22]. **Polyregular** [BK24]. **Pomsets** [JJR20]. **Ponens** [MSdSOK20]. **pools** [BMTZ22]. **portable** [SSH⁺19]. **Positive** [MS24, DFD21, DNFK22]. **POSIX** [GB20]. **possible** [BCRA18]. **Possibly** [FCS⁺23]. **post** [LJ20, ZK22]. **post-link** [LJ20]. **Power** [CGLT24, DGGM23, FKLP17, KPP21, MKV18, TLM⁺21]. **powered** [CWG⁺22]. **PP** [WMWW24]. **PP-CSA** [WMWW24]. **PPI** [CNH20]. **PPI/Stepstone** [CNH20]. **Practical** [AMT17, CZ23, EC22, LHZQ24, PMC⁺23, WMWW24, ZSL⁺24, BBN⁺18, CT19, Ham17, RSY21, SPV18, WWC17, XCB⁺18, ZYT⁺19]. **pre** [ABH⁺21, RRG⁺21, VLG21]. **pre-expectation** [ABH⁺21]. **pre-trained** [RRG⁺21, VLG21]. **Precise** [BWJ⁺23, EWR19, GPP⁺21, JJO18, LGTS20, LQSM23, MYT⁺23, XLD20, CVG⁺17, MMS⁺22, SCJG21, SGL⁺21, SAB17, SCZW20, TLM⁺21, WCH⁺19]. **Precision** [CDGU24, LTMS18, LX19, LWUD21]. **Precision-guided** [LTMS18]. **Precision-preserving** [LX19]. **preconditions** [JJR20]. **predicate** [SB19, YHW20]. **Predicates** [TSP⁺23]. **Predicting** [MKC⁺23]. **Prediction** [RCLJ24, TMPV23, KP18a, KFM21, MPV21, Mul22, Pav20]. **Predictive** [AM24, GRXB19, MKV18]. **preemptive** [LRS⁺20]. **Prefix** [LS23]. **Prefix-Guided** [LS23]. **Presburger** [PUW⁺21]. **presence** [BCG⁺20, TSKJB18]. **presentations** [yKMUW22]. **Preservation** [MCE⁺23]. **Preserving** [DPM23, LVSZ23, LKW23, TNMT23, WMWW24, BBG⁺20, BCRA18, FZSN20, LX19, MPV21, PJD⁺21, SFH22]. **Presheaf** [TA24]. **Pretty** [PPT23, Ber17]. **preventing** [ZPG⁺17]. **Prevention** [WLD⁺23]. **PRIMA** [MMS⁺22]. **Primal** [UTGK23, PWK⁺22]. **Primal-Dual** [UTGK23, PWK⁺22]. **Primitives** [KEG⁺23]. **principal** [Par20, PC22]. **Principality** [DR19]. **principled** [BL22, WR18]. **Principles** [BSSO24, JHK23, DNFK22]. **Printer** [PPT23, Ber17]. **printf** [Ada19]. **priorities** [CFLH⁺22, MAH18]. **priority** [LSC⁺22]. **Privacy** [LKW23, WMWW24, YD24, ADN22, AH18, BCK⁺21, NDA⁺19, SKS⁺19, WCHRP17, ZRH⁺19, ZRH⁺20]. **privacy-aware** [SKS⁺19]. **Privacy-Preserving** [LKW23, WMWW24]. **private** [SA19, ZHL⁺20]. **Probabilistic** [AFK⁺24, AB23, BSB23, BZSL19, BBKW24,

CGMŽ24, CMcS23, DWH23, FCS+23, GAH+24, KBC+24, LRY23, LHSM23, LGRM23, LVSZ23, MMK24, RBIT24, SSSW21, SBK+23, TT23, WR24, YTO23, ACN18, ABG+21, ABH+21, ADDN17, ABM+21, AYB+22, AMS20, BEG+18, BHL20, BKKM21, DK20, EPT18, GSW21, HKGK20, HVM20, HFCG19, Jac21, LYRY20, LCTS+20, MSBK22, NcS17, NPWW22, OMN+18, VS20, WCGC18, WFC+20, ZA22]. **probabilistically** [DSLH20]. **Probabilities** [LGRM23, Jac21]. **Probability** [LAH23, JSXH20, SFRM20]. **Problem** [CDSY24, KNNR17]. **Problems** [BGC23, DZ23, BBRM17, LY18]. **ProbNV** [GSW21]. **processes** [KMP19, XCB+18]. **Processing** [BCSD23, DLC22, KNSA20, KM20, SLDN17, SFVJ19]. **processor** [ZR21]. **processors** [SBM20]. **produce** [LN22]. **products** [WMM20]. **Profile** [HMP+22]. **profiler** [BVG19]. **Profilers** [GFD23]. **profiles** [PJP+18]. **Profiling** [CK24b, XCS+24, ZST+23, MOP21, ZHL+20]. **profunctor** [BG18]. **Program** [AXR24, BCSD23, CDGU24, CYL+24, CRMA20, CGK+23a, Cou24, CK24c, FDSL23, FIM+23, GHS+23, GJJ+20, HFP23, KTST23, KEG+23, LMD23, LW22a, LCT+23, LCOC20, MRX+19, MZB24, MR24, NHS+23, SV23, SZ24, SCS24, WDS18, WL23, WR24, XTZ+23, YLWN24, YSHZ21, YLY23, ZSZ24, ABG+21, ADDN17, ACM+18, BLF+19, BLSS21, CDG22, COHY17, DG22a, FBP+21, GSS+22, GBR+20, GRS+21, HKGK20, HC21, FW22, INN21, KGdV+22, Lee21, LA21, LBCRK22, MHRV20, MCF+22, MWW22, MV20, NAJ+20, OLE19, RLV20, RRG+21, SWYZ22, SDL18, SFH22, SBEV18, WWD18, WWGW20, WCR19, ZYT+19]. **program-counter** [HC21]. **programmable** [BGC18, LCTS+20, OA18]. **Programmatic** [BBKW24, ZGHH23]. **Programmers** [BJP23, AMP+20, LC21]. **Programming** [AFK+24, AJRG21, AWA23, AC20, ABC+23, BKFV23, CGL+23a, CZW24, CMcS23, CK24b, DKPS23, DWZ20, FAS+23, HLP+24, HM23, LGRM23, LHN23, LZR23, LW23, LLS23, LB23, LK24, LMSB23, MK23a, NSW+24, PYLR23, PRM+24, PGIY20, PYLW24, SWT18, SKK23, TT23, YVC24, ZGHH23, AP20, AWA21, AYB+22, BGM19, BGM21, BGK+22, BBKO22, BAP20, BBRM17, CT19, CDH17, CHJ+19, CS21, CFKP22, CKS22, DPQS18, DMSM18, EPT18, ECK+22, EHAO18, EGT22, EC22, FG18, FRS+21, GYK+20, GHMM20, GTF+20, HP19, HHY+21, Jac21, JSXH20, JKL+22, JJKD18, KHL22, Kin20, KFEJ19, KH18, KCL22, KEW+20, LSSO18, LBH+18, LRGC19, LW22b, ML20a, MRG18, MCP21, MDSM19, NWP+18, OVCH19, OLC+18, PJD+21, PN17, Per18, PZR+17, SSSW21, SMM17, SEP+20, ŠKG18, SNJ+19, SFVJ19, SHSO22, SZD+21, SMC21, SLO19, SM19, SC18, VLG21, VMA19]. **programming** [VHEZ21, WZD+19, WCR19, Yal17]. **Programming-by-Demonstration** [PRM+24]. **Programs** [ACH+24, AMS23, BSB23, BBKW24, BMCSW24, CHH+23, CGMŽ24, DG24, DTSLT23, DTPW24, EDM23, Els23, FKP23, FKP24, FCS+23, GHMM23, GMOO24, KBC+24, KKGK23, LGHS23, LHC+23, LC23, LRY23, LHSM23, LZD+24a, MD24, MMK24, MPJM23, PE23, RW24, RBIT24, RGL+23, RDC23, SBK+23, WR24, WBJ+24, YRS23, YDC23, ZXG+24, ZBS+23, ACN18, ABG+17, AZMT18, AG20, AMS20, BvGKJ17, BNS20, BKPS18, BWB+21, BEG+18, BHY+20, BKKM21, BMTZ21, CR19, CSD+21, Cha20b, CRMA20, CSM+17, DK20, FJM19, GDBK+21, GLPS+20, HHT20, HH20, HWC+21, HVM20, HFCG19, Jab20, JO22, KNSA20, KMLD20, LRV+22, LLSS22, LYRY20, LZ17, LY18, LZY+20, MYZ20, MHN19, MMK+20, MRdAP18, MNB+22, MNT20, MJ20, NBDF19, NcS17, NGTHV18, QGG19,

RLV20, RMZ⁺20, RSPC17, RFH⁺22, SC20, SA19, SFH⁺20, SLHR22, SRF⁺20, TB19, UST18, WCMH19, WXWS20]. **programs** [WFC⁺20, WZSK22, WGP⁺21, WYFA20, yXZH⁺20, YMDW21, YJY22, YMC22, ZA22, ZSL⁺22, ZGS⁺22]. **Progress** [JHK24, LF18, SSR⁺21]. **Project** [PVV⁺17]. **Projection** [GY23, LZY⁺20, NA18]. **Projection-based** [LZY⁺20]. **Prolog** [SC18]. **Promises** [GJK⁺21, AZMT18, MLT17]. **Promising** [LCM⁺23]. **PROMPT** [XCS⁺24]. **Prompting** [BKFV23]. **Proof** [GKS23, KMO23, LCT⁺23, MS24, MK23b, USM22, BL22, CTR⁺20, FBG20, FRS⁺21, GCST19, Kes22, MMKK18, RKHL17, TU22]. **proof-irrelevance** [GCST19]. **proof-nets** [Kes22]. **proof-oriented** [FRS⁺21]. **Proof-Relevant** [KMO23]. **Proofs** [ABG⁺24, EK24, FKP24, GSF⁺23, GTU23, JJYH24, KMO23, PCW⁺23, AH18, AAC⁺18, AG20, BHY⁺20, BP21, FV20, KPE18, KJJ⁺18, KPP21, LAF⁺20, LMP18, SSSC⁺22]. **propagation** [Lee21, SFH22]. **Properties** [ABG⁺24, MPJM23, YTG24, ZSK23, AKK⁺21, ASMS20, BZSL19, BMTZ21, BGG⁺20, OADR17, TGSM19]. **Property** [FSSW22, KKS23, SKG⁺23, JPR22, LHP19]. **Property-Based** [SKG⁺23]. **Property-Directed** [KKS23, FSSW22]. **prophecy** [JLP⁺20]. **Propositional** [EGT22]. **Propositions** [RC21, FDvdHP22]. **propositions-as-sessions** [FDvdHP22]. **Propositions-as-types** [RC21]. **protection** [Bie22]. **Proto** [FKRS23]. **Proto-Quipper** [FKRS23]. **Protocol** [GY23, ZSL⁺24]. **Protocols** [GSF⁺23, GHP⁺23, JHK23, LKW23, MSTV23, TTM⁺23, YTG24, BSRC19, CPY20, CFL17, FSD21, FSK⁺22, Mai17, PLSS17, SWT18, ZFH⁺20]. **Prototyping** [AHM⁺17, SC18]. **Provable** [TNMT23, GGV⁺21]. **Provably** [AWA21, KJK⁺22, PBS⁺17, QSL17]. **provably-correct** [QSL17]. **prove** [Ham17]. **Provenance** [RMZ⁺20, BDCN20]. **Provenance-guided** [RMZ⁺20]. **Proving** [BEG⁺18, DFD22, EDM23, FKE⁺20, MK23a, WFC⁺20, JBK22a, LSA18, SWT18, SM19, TSKJB18]. **pruning** [MKLR20]. **pseudorandom** [SV21]. **PSO** [BCG⁺21]. **PSPACE** [AAR20]. **PSPACE-complete** [AAR20]. **Psym** [PDG23]. **Pure** [SZ24, SHdM20]. **PureCake** [KVA⁺23]. **purely** [UdM22]. **Purity** [JDT22, CK20, YMC22]. **push** [BC18, KMLD20]. **Pushdown** [BMTZ24, JKT21]. **Pushing** [XTZ⁺23]. **Putting** [LCM⁺23]. **PyDex** [ZCG⁺24]. **Python** [ZCG⁺24]. **qualified** [SKB⁺22]. **Qualifying** [LZL⁺24]. **qualitative** [LMÖ⁺22]. **quality** [GS22]. **Quantification** [CJdSO23]. **Quantifier** [TTM⁺23, LMP18]. **Quantifiers** [BGLZ24, NVD17]. **Quantifying** [MWT⁺23]. **Quantitative** [AGK23, CGMŽ24, GD23, OLE19, ZK22, LMÖ⁺22]. **Quantum** [CHKS24, CGLT24, CCL⁺23, DTPW24, HHT20, HK22, JKL⁺22, KO23, LLSS22, LPM⁺24, PP22, PDBV24, PYLW24, TA24, VLRH23, XMP⁺23, YJY22, YC22, YMC22, YVC24, ZBS⁺23, BHY⁺20, CdV20, HRH⁺21, KH21, LY18, LZY⁺20, LVH⁺22, MSR20]. **Quantum-Circuit** [XMP⁺23]. **Quarl** [LPM⁺24]. **quasiquotes** [PVSK18]. **Qubit** [SdSCQ19]. **Queries** [HZWW24, TSP⁺23, ZMSD23, CPB⁺22, SKS⁺19, WCB18, ZA22]. **Query** [BKFV23, WLJ⁺23, AHM⁺17, KM20, RS20, YWDD17]. **Question** [JKXH23]. **queue** [MJ21]. **quick** [SHJV20]. **QuickChecking** [MJK⁺17]. **QuickSilver** [JWJ⁺21]. **Quipper** [FKRS23]. **Quinity** [VLRH23]. **Quotient** [HH24, KKA19, MMF⁺18, HH24]. **R** [Cha20a, GV19, GJK⁺21, GDBK⁺21,

TGKV20]. **Race** [AZMV23, RCLJ24, AMT17, BGOS18, GRXB19, MKV18, Pav20, WCBG17]. **RacerD** [BGOS18]. **races** [MPV21]. **Racket** [FDD+19]. **Racketensis** [SAFF+17]. **radio** [Mai17]. **Raising** [WKH20]. **RAM** [KSS20]. **Ramsey** [BGLZ24]. **Random** [AFK+24, GFWP23, HTLS22, LBR20, MN18, OMO19, WCGC18]. **Randomized** [KEG+23, OMN+18, WBdG+23, SLHR22, WFC+20]. **randomness** [GP22]. **rank** [DK19]. **ranked** [ZdSOS19]. **Ranking** [YTGN24, ACN18]. **Rapid** [CKP23]. **Rate** [ICHZ23]. **Rate-Based** [ICHZ23]. **rational** [NBP+18]. **RaTT** [BGM19]. **RDTs** [RVD23]. **Reachability** [BMTZ24, BWB+21, KKS23, KD23, KLPT24, LSTZ23, LZR23, MMKC23, SGR+24, WBJ+24, XLSX24, AAB+21, CCP18b, CMS22, FSSW22, KP22, LSDZ22, LZR21, LSZ22, Mil20, SWYZ22, TGSM19]. **Reactive** [BC18, DTSLT23, BGM19, BGM21, DMSM18, PN17, Per18]. **read** [PGIY20]. **Reads** [TAC+23, AAJ+19, BCG+21]. **Reads-From** [TAC+23, AAJ+19, BCG+21]. **Ready** [BSZL+18]. **Real** [MNR+23, BSZL+18, LRV+22, LSM+22, SMC19]. **Real-World** [MNR+23, BSZL+18, LSM+22]. **reasonable** [ADV22, FKR20]. **Reasonably** [OA18, MLBTT22, PTFT19]. **Reasoning** [ABIK22, ADZ17, CRK24, JJYH24, LyXW21, MWW23, MPJM23, YW21, ZA22, ZDS23, ZSS24, AC20, BKKM21, BLSS21, BGWXP22, BSLBG22, CB18, CTR+20, EWR19, HVH20, HBK20, KZK+18, KNNJ18, KCBR18, LLSS22, MLT17, Mor19, ÖN22, OLE19, PLSS17, RLV20, SGT+22, WCB18, YZZ22, YMC22, ZK22]. **Rebuilding** [FDD+19]. **Recalling** [AFH+18]. **Reclamation** [JLC+23, Coh18, MW20b]. **recommendation** [LYB+19]. **reconciled** [BCC+18]. **Reconciling** [HSS23, LHJ+18, VCD+21, KRV+21]. **Reconditioning** [LMD23]. **reconfigurable** [ABIK22]. **reconstruction** [NBP+18]. **Record** [XHdSO23]. **Records** [Cas23]. **Recoverability** [CJRK23]. **Recovering** [CK20]. **Recovery** [ZMD+24, CAL18]. **Recurrence** [KMLD20, AKK+21, CLD20, INN21]. **Recurrences** [STK24, WL23]. **Recursion** [ADH+23, LL23b, BGM21, CGM18, WCGC18, ZA22]. **recursions** [SSK22]. **Recursive** [ABG+23, AMS23, BMCSW24, CHH+23, CMcS23, DTPW24, GMOO24, LC23, LSTZ23, Ros23, TSP+23, YRS23, ZZdSO23, KSG22, LMZ19, MNB+22, MV19, PMD21, Ram22, RSY21, SSK17, WBW+20, yXZH+20, ZdSOZ20]. **Recursors** [Pop24]. **reducible** [RMH21]. **Reducing** [LMD23, PHL+18, KSP22]. **Reduction** [AHLM20, BEREC23, SPB23, XTZ+23, CCP+18a, CPT19, KMGV22, Mil20, Mor19]. **Reductions** [FV20, YAC21]. **redundancy** [DS17, LSDZ22]. **Refactoring** [PWD24, TCGS23, CWG+22, SZZ+19, VN18]. **refactoring-aware** [SZZ+19]. **Reference** [ACC+23, LL23a, LL22]. **references** [Jab20]. **Referencing** [CBS23]. **Refine** [DMKR24]. **Refinement** [BVJ24, CT19, CLO+23, GK23, KUST24, PMS+23, RKS18, SCL+23, TGS+24, VTC+18, AKL19, CJ17, GJJ+20, JR21, PSW21, SKE+20, SNCM19, TML+22, UST18, VVB22, WDS18]. **Refinements** [ZWW+24, LPR+20, RBG+18, ZFH+20]. **Reflecting** [GFWP23]. **Reflection** [CK24c, LW23, SHTZ+19, FKLP17, KCL22, VTC+18]. **Reflection-aware** [SHTZ+19]. **Refunctionalization** [WDR18]. **Refuting** [MMKC23]. **Regex** [CFLH+22, MNR+23, THL+20]. **Regex-dependent** [CFLH+22]. **Region** [CKP23, Els23, EH23]. **Region-Based** [CKP23, Els23]. **Regions** [MSS+23, WJS23]. **Register** [WCD23]. **regression** [SHTZ+19, YHW20]. **Regular**

[AM24, CBD⁺23, CT23, HGJ20, HL24, LKM23, MC24, SR24, VB23a, AKK⁺21, PHXD19, SJS20]. **regular-expression** [SJS20]. **Reinforcement** [VGJW23, CWF⁺19]. **related** [CSD⁺21]. **relation** [TSKJB18]. **Relational** [AKL⁺23, BHY⁺20, CWF⁺19, GHHW18, MvdP21, QGG19, TSP⁺23, WWD18, ZWWT22, ABG⁺17, ASMS20, BFV18, BPPS18, DG22b, FMTSL20, HPC18, MHRV20, RBG⁺18, TB19, WCB18]. **Relations** [AB23, BDS23, PL23, AKL19, GST⁺20, GBTB21, INN21, KyKS22, LPP18, MJ20]. **Relatively** [BKKM21, UST18]. **Relativization** [PT23a]. **Relaxed** [HLP⁺24, SL23, DJKD20, DJR18, JJR20, JRB⁺22]. **relaxed-memory** [JRB⁺22]. **release** [AAJN18, DD22, YM21]. **release-acquire** [AAJN18, YM21]. **Relevant** [KMO23]. **Reliable** [BKN19, GHP⁺23, KKC17, TGB⁺23]. **reloaded** [SM19]. **Relooper** [Ram22]. **ReLU** [MLB24]. **ReML** [Els24]. **Repair** [GKS23, TNMT23, BJC⁺22, PHXD19, SEG⁺22, ZGS⁺22]. **Repairing** [CT23, ZCG⁺24]. **ReplaceAll** [CCH⁺18]. **replacement** [SKR20, WYT⁺22]. **replacing** [VN18]. **replaying** [KSSL18]. **replicated** [KPSJ19, LRGC19, LPR⁺20]. **replication** [KESJ18]. **Report** [ABG⁺23, BCE⁺23, LKFT23, SDP⁺23, SKG⁺23, ACM⁺18, AHM⁺17, BRS18, BS17, BSZL⁺18, CDD⁺19, FDD⁺19, HP19, HTLS22, RK22, TRWS22, YW19]. **Representation** [KCB⁺23, KKGK23, LCM⁺23, ACMZ21, LWNN19]. **Representations** [BRG23, KRV⁺21, LN22]. **Representing** [CHH⁺23, yXZH⁺20]. **Rolling** [SBSH23]. **reset** [BBP20, WZD⁺19]. **Resolution** [MSdSOK20, BXMS19, RvAP⁺20, ZGSN17, ZH18]. **Resolvable** [PCHB23]. **resolve** [KNNR17]. **resolved** [EDWL21]. **Resolving** [BBKW24]. **Resource** [BDGZ23, CGMŽ24, DWH23, SGT⁺23, HVH20, KH21, KWR⁺20, MSRH20]. **Resource-Aware** [BDGZ23, DWH23]. **resourceful** [SGT⁺22]. **resources** [DMS22]. **Responsive** [MSK⁺23, MWA19]. **Restricting** [AM17]. **restriction** [STI20]. **results** [LN22, OD18]. **Rethinking** [KEW⁺20]. **Retrofitting** [SDW⁺20]. **Retry** [TGB⁺23]. **Return** [JO22]. **reusable** [KE19]. **reuse** [BPB⁺21, DFS18, LL22]. **Reusing** [MKG⁺23, CB17, HH20]. **Reverse** [SV23, DAY20, KJK⁺22]. **reverse-mode** [KJK⁺22]. **reversible** [CS21, CKS22]. **revisited** [Ada19, HMP⁺22, SY19, TLT19]. **Revisiting** [ZdSOZ20]. **reviver** [MNTHV21]. **revocation** [GGV⁺21]. **rew** [CTW21]. **Rewrite** [NWZ⁺21, HLK⁺20, LA21]. **rewrites** [LBCRK22]. **Rewriting** [GD23, QOVG⁺24, HGJ20, NAJ⁺20]. **Rhombus** [FAA⁺23]. **Rich** [BEM⁺21]. **rig** [CKS22]. **right** [MAH18, OBS⁺22]. **Ring** [PSN⁺23, SHSO22]. **Ring-Based** [PSN⁺23]. **RNN** [KSS20]. **road** [CKP22]. **Robot** [PRM⁺24, RFH⁺22]. **robotics** [GHMM20, MYZ20]. **Robust** [ASW23, BFV18, LSPP⁺23, RGL⁺23, SGR⁺24, SGD17, WGW23, SMC19]. **Robustness** [KC24, SADC23, MEND22, ML21]. **role** [CHJ⁺19, WCVE19]. **role-parametric** [CHJ⁺19]. **roles** [FG18]. **root** [BFSK20, WMW18]. **Roots** [CHKS24]. **rounded** [LAGN21, LN22]. **rounding** [LN22]. **rows** [MM19]. **RRB** [Pue17]. **RRB-vectors** [Pue17]. **Ruby** [KFM21]. **Rule** [BGC23, ZWR24, MMKK18, NWZ⁺21, SZD⁺17]. **Rules** [MS24, GS22, LA21]. **Run** [WLD⁺23]. **Run-Time** [WLD⁺23]. **runST** [TSKJB18]. **Runtime** [SDP⁺23, DdVMY19, FZSN20, LZy⁺20]. **Runtimes** [BKK⁺23, SM20]. **Rust** [HP22, AMPS19, AMP⁺20, CGK23b,

ESDH21, EBP+23, FIM+23, JJKD18, JDKD20, LTb+24, LHC+23, LGVJ23, PXA+21, TCGS23, WBM+21, YDJD21]. **RustBelt** [DJKD20, JJKD18]. **Ryū** [Ada19].

S [Cha20a]. **Safe** [CDE+24, EBP+23, FSX+23, GFB24, JLC+23, KESJ18, LW22b, MGB+23, SSJL23, VVB22, XBGO24, ZWS23b, AAC+18, BL22, BP18, CT19, DMSM18, HWC+21, KEW+20, MS19, OLC+18, PBS+17, PA19a, PVV+17, ZM19]. **Safer** [PXA+21, SNJ+19, ESDH21]. **Safety** [AHMM23, Els23, KP18b, LSPP+23, ZCH23, TDJ+23, CCW18, FV20, FJM19, GTB22, JR21, MMK+20, PHL+18, PXA+21]. **Sagittarius** [MLM+23]. **same** [CY19]. **Samplers** [BSB23]. **Samples** [AZMV23]. **Sampling** [RDC23, ABM+21, SFRM20, ZYT+19]. **Sandbox** [ZZX+23]. **sandboxing** [PWSD20, SGDL20]. **Sanitizer** [IGB+23]. **Sanitizer-Eliding** [IGB+23]. **SAT** [GXD20]. **Satisfiability** [MR22]. **Satune** [GXD20]. **Saturation** [KGB+24, PST+23, ZWF+23, NWZ+21, WNW+21]. **SAVI** [EJMmH17]. **Scala** [GST+20, KMV19]. **Scalability** [LWUD21]. **Scalable** [LFY+22, SEP+20, WBS+22, JJO18, JR21, MMS+22, SLO19]. **ScalaLoci** [WKS18]. **scale** [DFPG21, GDBK+21, KMV19, LWW+20, LLZ+22]. **Scaling** [CGL+23a, CDH17, HVM20]. **Scallop** [LHN23]. **scan** [Ell17b]. **Scenario** [EK24]. **Scenario-Based** [EK24]. **schedulers** [LRS+20, WBS+22]. **Scheduling** [MLF+23, AAM+21, LBCRK22, Mel19, RvAP+20, SBM20]. **Schema** [ABC+24]. **Scheme** [FDD+19]. **schemes** [BCK+21, CGM18]. **science** [Cha20a]. **Scientists** [SN24]. **Scilla** [SNJ+19]. **scope** [AAC+18, BSLBG22, PKW17, ZvAV22]. **scope-based** [BSLBG22]. **scoped** [BPPS20]. **Scopes** [vAPRV18]. **Scott**

[BM20, HSS23]. **Scripting** [WKN+23]. **scripts** [CB17, KM17, SMTH20, WDS17]. **Sealing** [SHdM20, LTTD22]. **Seam** [PBS+17]. **Search** [KEG+23, VB23a, WLS+23, JPR22, KW21, LYB+19, PWK+22, PKSW21, TU22]. **Search-Based** [VB23a]. **Searching** [KGdV+22]. **second** [FS22, Ham17]. **second-order** [FS22, Ham17]. **SecRSL** [YM21]. **Secure** [AFF+18, FSX+23, RVD23, HC21, VCD+21]. **Securing** [ACH+24, JJKD18]. **Security** [ABG+24, EDM23, MHLG23, SSCC24, LZ18, YM21]. **Segal** [CK18]. **Selection** [BGC23, JKXH23, ZSZ24, RAJ+17, SHTZ+19]. **Selective** [MLMD19, TLM+21, WWP20]. **Self** [DMKR24]. **Self-Refine** [DMKR24]. **Semantic** [CBD+23, PWD24, VLG21, JRB+22, LMÖ+22, PMD21, PvAPV22, WWGW20]. **semantically** [JDT22]. **Semantics** [ALGD24, BDGZ23, BCE+23, CZW+23, DK20, FTB24, GMS+23, JKL+22, KHDR21, LCK+23, MNR+23, SSS+23, SZ24, ZZG+23, AAJN18, ABG+21, AAC+18, BBP20, BGJ+21, CY19, Chl21, CEEW21, DLNS21, FBG20, GJK+21, GLPS+20, GB20, HT18, HC21, Hir19, IDSW21, KMP19, KKR21, KKSL22, LCTS+20, Mai17, Mel19, MRdAP18, RV18, RWV19, RWNV20, RMV22, SSSW21, SMC21, SB19, VMS+22, ZBY+21, ZA22]. **semantics-aware** [FBG20]. **Semantics-guided** [KHDR21]. **Semi** [AYB+22, GBR+20, SHSO22, CK18]. **semi-ring** [SHSO22]. **Semi-Segal** [CK18]. **semi-supervised** [GBR+20]. **Semi-symbolic** [AYB+22]. **semicolon** [JRB+22]. **semidirect** [WMM20]. **Seminaïve** [AK20]. **Semiring** [LP20]. **semistructured** [CBA17]. **Seneca** [SMS24]. **Sensitive** [HGL+23, LZH23, PYLR23, LH22, LX19, PP20, SWYZ22, SZ21]. **Sensitivity** [MYT+23, ABH+21, BEG+18, JO22, JJCO17, LTMS18, LX19, RKS18,

TLM⁺²¹, WFC⁺²⁰]. **separate** [WXWS20]. **separating** [LLSS22, YDJD21]. **Separation** [Cha20b, DPM23, GHP⁺²³, GAH⁺²⁴, HHPP23, JHK23, JHK24, JLC⁺²³, LAH23, LSPP⁺²³, MWW23, MCP23, MWB24, MCK23, MK23b, PGJM24, PMS⁺²³, TGS⁺²⁴, VB23b, WBJ⁺²⁴, XBGO24, ZSS24, BWB⁺²¹, BGHT22, BHL20, BDYG⁺²¹, DMS22, FNB⁺²¹, FRS⁺²¹, GSS⁺²², GGN⁺²¹, HBK20, JBK22a, JLP⁺²⁰, KJJ⁺¹⁸, LLSS22, MP22, MJP20, NBDF19, NGR⁺²², RBDO22, SKE⁺²⁰, SRF⁺²⁰, TLKC18, TGSM19, VPD19, YM21, dVP21]. **Separation-Logic** [PMS⁺²³]. **separation-logic-verified** [VPD19]. **Seq** [SNB⁺¹⁹]. **Seq2Parse** [SEG⁺²²]. **sequences** [AKK⁺²¹, ZBG⁺²²]. **Sequential** [LRGC19, AAJ⁺¹⁹, Cha20b, DFPG21]. **sequentialization** [BvGKJ17, FJM19]. **serializable** [SEP⁺²⁰]. **Series** [ASW23, KM20]. **server** [BRS18, LMM17a, QKB21]. **Serverless** [KZA⁺²³, AFF⁺¹⁸, BGJ⁺²¹, JPBG19]. **services** [BBB⁺¹⁷, BC18, WCD17]. **Session** [DWH23, GY23, ICHZ23, JHK23, SKP23, BP17, CY19, CPY20, CHJ⁺¹⁹, DHP18, FLMD19, HBK20, ITVW17, JBK22b, SY19, TV20, VHEZ21]. **session-type** [HBK20]. **Session-Types** [SKP23]. **Sessions** [KP24, Thi23, CP22, FDvdHP22, GPP⁺²¹, MP17, QKB21]. **Set** [BCE⁺²³, BDD⁺²³, MWT⁺²³, BSZL⁺¹⁸, THL⁺²⁰]. **Sets** [AFK⁺²⁴, Pit23, BS21, BPB⁺²¹, PJD⁺²¹, ZFS⁺¹⁹]. **seven** [BBRM17]. **SFI** [KNJ⁺²²]. **shader** [DELT17]. **shadow** [CN22]. **shadows** [GDBK⁺²¹]. **Shannon** [HSS23]. **share** [DA18]. **shared** [BMTZ21, IDSW21, RC21]. **shared-memory** [BMTZ21]. **ShareJIT** [XCB⁺¹⁸]. **Sharing** [HHPP23, BP17, BDG⁺²², EJMmH17, WHZ⁺¹⁹, XCB⁺¹⁸]. **SHARP** [LH22]. **shell** [GB20]. **shielding** [VREV19]. **shift** [WZD⁺¹⁹]. **shift/reset** [WZD⁺¹⁹]. **Shifting** [SN24, LKS⁺²⁰]. **Shiftry** [KSS20]. **Shoggoth** [QOvG⁺²⁴]. **Shortcut** [MYT⁺²³]. **shot** [WCH⁺¹⁹]. **Should** [GMDA24, CSM⁺¹⁷]. **Side** [GZS⁺²³, MWT⁺²³, BZKT21, CY19, GCY⁺²⁰]. **Side-Channel** [GZS⁺²³, GCY⁺²⁰]. **sides** [CY19]. **Signature** [STI20]. **signatures** [AHLM20]. **SigVM** [ZBS⁺²²]. **silent** [ZPZX21]. **Silver** [CLO⁺²³]. **Similarity** [FDSL23]. **Simple** [AB19, LL23a, AP20, BCD22, Ell18, JJR20, Par20, RKHL17]. **Simplicity** [OBL⁺¹⁸]. **simplification** [Mor19]. **Simplifies** [FKP24]. **Simplifying** [PFD⁺¹⁸, YAC21]. **Simply** [BGM19, BMP20]. **SimTyper** [KFM21]. **Simulation** [PYLW24, BS17]. **Simulations** [GBB⁺²³, NBDF19]. **Simuliris** [GSS⁺²²]. **SimuQ** [PYLW24]. **since** [HK20]. **Single** [LZR23, GM21, MMK⁺²⁰]. **single-pass** [MMK⁺²⁰]. **Single-Source-Single-Target** [LZR23]. **site** [JO22]. **situ** [LSZ⁺²⁰]. **size** [SP22]. **sized** [AVW17, AD17, Dan18]. **sized-type** [AD17]. **Sketched** [YDC23]. **sketches** [YMDW21]. **sketching** [LCOC20]. **Skip** [CB17]. **Skiplists** [ABG⁺²⁴]. **Skipping** [Chl21]. **Slicing** [YLWN24, RKS18]. **Slowdowns** [ZST⁺²³]. **Small** [ALGD24, GTF⁺²⁰]. **Small-Step** [ALGD24]. **Smalltalk** [Ing20]. **Smalltalk-72** [Ing20]. **Smart** [CFGH23, AGR⁺²⁰, BEM⁺²¹, CGL22, CWG⁺²², GKJ⁺¹⁸, GLTS22, GAGG⁺¹⁸, SNJ⁺¹⁹, SGL⁺²¹, WZS19, ZBS⁺²²]. **Smoothness** [LRY23]. **SMT** [BGC20, BGC23, HMMdL23, MR22, PWZS21, SFH22, TCJ20, VTC⁺¹⁸, WZS20, YZSS23]. **SMT-based** [BGC20]. **snapshot** [ÖN22]. **snapshots** [GFFS17]. **snowflake** [PVV⁺¹⁷]. **Soft** [NGTHV18]. **Software** [DA18, MDF24, TU22, WLD⁺²³, WMWW24, DMB20, FF20, KRB⁺²¹, SZZ⁺¹⁹, SScWS19, ZHL⁺²⁰]. **solid** [SMC19]. **Solidity** [CGL22, TML⁺²²]. **Solo** [ADN22]. **SolType** [TML⁺²²]. **solvability** [AG22]. **Solvable** [CK24c].

solved [HJL⁺18]. **Solver** [BGC23, PCAGG21, RGSNT17, WLH⁺17, dVPJ20]. **solver-aided** [RGSNT17, WLH⁺17]. **Solver-Based** [BGC23, PCAGG21]. **Solvers** [CTZ⁺23, PWZS21, TCJ20, WZS20]. **Solving** [BGC23, CFLH⁺22, CCH⁺23, GTU23, HD24, KSG22, SR24, UTGK23, WL23, YZSS23, BBRM17, MR22, SFH22]. **Some** [LZL⁺24]. **Sound** [BDCN20, BBTSTH17, DK19, EE18, JJYH24, KP18a, KE19, LHSM23, LVSZ23, MT17, SMC19, TMPV23, ZQW⁺24, ZDA24, GRXB19, KFM21, LCTS⁺20, MNTHV21, Pav20, RvAP⁺20, YMC22]. **Soundly** [MGB⁺23, THLM24, SKE⁺20]. **Soundness** [BDGZ23, BL22, GST⁺20, GF18, KPE18, RKHL17]. **Source** [LZR23, GCS⁺18, YMJ17]. **source-level** [GCS⁺18]. **Space** [MCP23, ADV22, AWA21, BGM19, FKR20, GLPS⁺20, MP22, PA19a, SCJG21, SHW⁺20, ZH18]. **space-efficient** [AWA21, SCJG21]. **spaces** [KGdV⁺22]. **SpaceSearch** [WLH⁺17]. **Sparcl** [MW20a]. **Sparse** [LZD⁺24b, RCLJ24, STK24, CKA18, CA22, GTF⁺20, HHY⁺21, KNNR17, SHW⁺20]. **Sparseness** [CGK⁺23a]. **Sparsity** [WCD23]. **spatial** [OCDR17]. **Special** [FAS⁺23]. **Specialization** [BDD⁺23, DYLP23, HFP23, BP18, FCY⁺20]. **specialization-safe** [BP18]. **Specific** [SSCC24, BKF20, BGC18, JLO20, PLS⁺19, SDdSO22]. **Specification** [AKL19, FSX⁺23, GY23, MJ22, VGJW23, AMPS19, CVS⁺17, GGN⁺21, KHL22, KNNR17, Rei17, WVdAE17, WBM⁺21, XPL⁺22]. **Specification-guided** [MJ22]. **Specifications** [BGM⁺23, NHS⁺23, PDR23, SGT⁺23, BNS20, BDYG⁺21, BEM⁺21, GDM20, HWC⁺21, MEND22, MRX⁺19, NPZ⁺20, RvAP⁺20, SZD⁺17, SZ21, SCMS20, WCH⁺19, ZDDJ21]. **Specifying** [MLM⁺23, NBDF19, SSR⁺21, BGK⁺22]. **SpecSafe** [BZKT21]. **spectrum** [GF18]. **speculation** [BBF⁺21]. **speculative** [BZKT21, FSY⁺18, VDvG⁺21]. **speed** [BC18, PXA⁺21]. **Speeding** [WCB18, MKLR20]. **speedup** [HLL20]. **Spin** [FAA⁺23]. **Spirea** [VB23b]. **split** [AGLK18]. **splits** [HdSO21]. **splittable** [SV21]. **SPMD** [RLS20, RMH21]. **spotting** [HFS22]. **spreadsheet** [BBZ18]. **spreadsheets** [IS18]. **Spy** [dVPJ20]. **SQL** [BCH⁺22, HZWW24, ZXSD21, ZMSD23]. **SQLizer** [YWDD17]. **Square** [CHKS24]. **Squeak** [Ing20]. **SSA** [Lem23]. **ST** [JDT22]. **stability** [GCS⁺18, PBC⁺21]. **Stabilization** [CCH⁺23]. **Stable** [MJ20, EPT18]. **Stack** [WMWW24, BKN19, GTB22, SDB19]. **Stacked** [JDKD20]. **stage** [JGMP22]. **Staged** [Kov22, WCR19, WWP20, Yal17]. **stages** [SMM17]. **Staging** [XPL⁺22, XWNY23, WBTR20]. **Stainless** [HVK19]. **Standard** [MHR20]. **start** [WSH⁺19]. **State** [AMA24, HD24, LSTZ23, AFH⁺18, FZSN20, IEC22, RC21, TSKJB18, VN18]. **stateful** [BGJ⁺21, NGTHV18]. **stateless** [AAJN18, AAJ⁺19, KLSV18, KRV19, KMGV22]. **Static** [EHAO18, HMMdL23, KLPT24, LTB⁺24, LQSM23, LHZQ24, Mul22, PGFP17, SMM17, SCS24, SNCM19, YLWN24, YD24, YA23, ZPZX21, ZSL⁺24, ADN22, BGC20, BGOS18, JTD21, LGTS20, LYSM22, MRdAP18, MOP21, PvAPV22, SHTZ⁺19, SGL⁺21, YvGK18, ZGSN17]. **Statically** [ABM⁺21, GFB24, PCHB23, ZFH⁺20, CHJ⁺19, DA18, LC21, NDA⁺19, PVSK18]. **statically-typed** [CHJ⁺19, LC21, PVSK18]. **Stealing** [BRG23]. **Steel** [FRS⁺21]. **SteelCore** [SRF⁺20]. **Step** [AB23, ALGD24, BDGZ23, KEH23, BS17, GST⁺20, SKD21]. **step-by-step** [GST⁺20]. **Step-Indexed** [AB23, GST⁺20]. **step-indexing** [SKD21]. **Stepstone**

[CNH20]. **StkTokens** [SDB19]. **Stochastic** [LGRM23, LYRY20]. **Stone** [WLS⁺23]. **storage** [FMTSL20]. **stores** [LRGC19, RMV22]. **strangers** [CSM⁺17]. **Strategic** [QOVG⁺24]. **strategies** [HLK⁺20]. **Strategy** [BBKW24, FK18]. **Stratified** [FKP23]. **stream** [KNSA20, MV20]. **streaming** [AYB⁺22, KM20]. **StreamQL** [KM20]. **Streams** [KKGK23, ABM⁺21]. **Strict** [HT18, GJK⁺21, KPH22]. **String** [CCH⁺22, DGGM23, HJL⁺18, CCH⁺18, CFLH⁺22, TCJ20]. **stripped** [DAY20]. **stroll** [SAFF⁺17]. **Strong** [MMK24, SJS20, BBBK17, BVG19, BCD22, GKMB17]. **Strongest** [MMK24, ZK22]. **strongly** [HKSS21]. **Structs** [Cas23]. **Structural** [DMPD24, RK22, SKP23, THM⁺23, BAY20, Hir19, JSXH20, LYB⁺19, MS19, MT21, PC22]. **Structurally** [LC23]. **Structure** [GLR⁺20, Coh18, QSL17]. **Structured** [CTZ⁺23, GHHS23, EWR19, MGT21, Ram22, ZH18]. **Structures** [DKPS23, SBMM23, CHJ⁺19, FBP⁺21, KSW18, MW20b, PKSW21, WCMH19, WBW⁺20, YC22]. **Students** [LKFT23, WC17]. **Study** [Rot21, BFSK20, CSD⁺21, CGL22, CAMS20, GDBK⁺21, GCS⁺18, KMV19, LWW⁺20, MHN19, PP22]. **Stuttering** [CSL⁺23]. **Style** [MvdPH23, MSBO23, TAC⁺23, BGM19, BGWXP22, ML21, SBO20, VRC22]. **subclass** [VN18]. **Subcubic** [CMS22]. **subgraph** [SdSCQ19]. **sublanguage** [YW19]. **substitution** [PT20]. **subsumes** [BM20]. **subtracting** [YF18]. **Subtraction** [XHdSO23]. **subtype** [WHZ⁺19]. **Subtyping** [DMPD24, PBGFC24, Ros23, THM⁺23, ZZdSO23, GPP⁺21, MPAG20, MSdSOK20, MT18, NBP⁺18, Par20, Rot21, SG21, YdSO17, ZdSOZ20]. **sugar** [PKW17]. **suggestions** [MGL⁺19]. **Super** [ACF17]. **superior** [JO22]. **supermartingales** [ACN18]. **superoptimization** [MKLR20]. **superposition** [YC22]. **supervised** [CR19, GBR⁺20]. **superword** [MA18]. **Sure** [MS24, DFD21, HFCG19, MMKK18]. **Surrogates** [RDC23]. **surviving** [GKJ⁺18]. **swapping** [SdSCQ19]. **swift** [BSRC19]. **Switch** [LKFT23]. **Symbolic** [CKT18, Ell21, HJL24, LB23, NcS17, PDG23, SGL⁺21, SLHR22, ZDA24, AYB⁺22, BT18, GCY⁺20, HBP19, KHLD22, KKT19, MSRH20, PPSW20, PNWT22, TLKC18, WCB18, WBTR20, YSHZ21]. **symbolic-heap** [TLKC18]. **symmetric** [BJSO20, CKS22, MMF⁺19, PHSR19]. **Symmetries** [CKS22]. **symptoms** [BFSK20]. **Synbit** [YMDW21]. **Synchronization** [KKA23, MSK⁺23, PMC⁺23, FSK⁺22, MPV21, Mel19]. **synchronization-preserving** [MPV21]. **synchronizing** [DTM⁺18]. **synchronous** [BBP20, CY19, GTT21]. **synchrony** [DWZ20]. **synergistic** [MR22]. **syntactic** [PKW17]. **Syntax** [DQ24, ABF20, FS22, KPSSL18, YNIC19]. **Syntax-Guided** [DQ24]. **syntaxes** [AAC⁺18]. **synth** [PGIY20]. **Synthesis** [BNS20, BCSD23, BBKW24, BGC23, BOW⁺23, BLP24, CFGH23, CWG⁺22, CBD⁺23, DTSLT23, DTPW24, DQ24, FDSL23, FIM⁺23, GHMM23, GFV23, JKXH23, KO23, LC23, LZD⁺24a, LCA⁺23, MZB24, MR24, NHS⁺23, PDBV24, SCS24, WDS17, WLJ⁺23, YLY23, YRS23, ASMS20, BPP20, BLF⁺19, BLSS21, BFV18, CB18, CPB⁺22, FK18, FBP⁺21, FBG20, GBR⁺20, GRS⁺21, GDM20, GJJ⁺20, HPRW21, JGW⁺20, JXXH21, JPR22, KHDR21, KCBR18, Lee21, MRX⁺19, MCF⁺22, MGL⁺19, MNB⁺22, MJ22, MPB⁺22, NAJ⁺20, PWSD20, QSL17, RMZ⁺20, RRG⁺21, SSSC⁺22, SVR17, TLKC18, WDS18, WWD18, WYT⁺22, WGP⁺21, YWDD17, ZXSD21, ZGS⁺22]. **synthesis-aided** [JGW⁺20].

Synthesis-as-Rule-Selection [BGC23]. **synthesis-based** [CB18]. **Synthesis-powered** [CWG⁺22]. **synthesising** [BCB21]. **Synthesizing** [AH18, ASD⁺21, FSK⁺22, GS22, KMD⁺22, KLMM22, LQSM23, MMF⁺18, MFP⁺18, MMF⁺19, PDR23, SKR20, SZD⁺17, SA19, SPX23, TSP⁺23, WGW23, XMP⁺23, END⁺18, GXD20, LPM⁺22, PJP⁺18, YMDW21]. **Syntheticq** [PDBV24]. **System** [KUST24, LL23a, LZL⁺24, MDPS23, SU23, SSJL23, XBGO24, ZZX⁺23, CEEW21, CFD⁺17, HWC⁺21, JGMP22, KPP21, LLB⁺20, MAN17, NDA⁺19, NAJ⁺20, PWS20, RSY21, SScWS19, SKE⁺20, UST18, WKS18, HVK19]. **systematic** [PES20]. **Systems** [AHMM23, HL24, MvdPH23, PDG23, PMS⁺23, WJS23, ZSK23, AB20, ABIK22, BHP⁺19, CB18, CBTB20, CAMS20, DFP21, DPQS18, GKMB17, HKSS21, IDSW21, JWJ⁺21, LWUD21, LLZ⁺22, LMÖ⁺22, MMJ18, OMN⁺18, OMO19, Pue17, RNDJ19, RS20, SJL19]. **SyTeCi** [Jab20].

t [KPP21]. **tactics** [KZK⁺18]. **TacTok** [FBG20]. **Tail** [LL23b]. **taint** [GS17, GS17, SMS24]. **Taint-Based** [SMS24]. **taken** [CKP22]. **Takes** [YNS⁺23]. **Taking** [KCB⁺23]. **Taming** [AGR⁺20, CC20, KL21, LSDZ22, CTW21]. **tandem** [LZ17]. **Tangents** [RPF⁺23]. **Tape** [BDS23]. **Target** [LZR23]. **Tasks** [CYL⁺24, PRM⁺24, CSM⁺17]. **TASTyTruffle** [DYLP23]. **taxation** [KNJ⁺22]. **Taylor** [BM20]. **Taype** [YD23]. **Taypsi** [YD24]. **Teaching** [ACM⁺18, HP19, NGP⁺24]. **Technique** [JJYH24, SZZ⁺19]. **Techniques** [DQ24, Dan18]. **technology** [CW20]. **Template** [GHMM23, XPL⁺22]. **Template-Based** [GHMM23]. **Temporal** [SU23, TBGW23, UTGK23, ZCH23, BNS20, DHP18, GDM20, GTB22, GLSY20, LRS⁺20, LSC⁺22, RMV22]. **Temporary** [HHPP23]. **temps** [GTB22]. **Tensor** [BHOK23, GHHS23, CKA18, CA22, KKC⁺17, LWY⁺22, LBCRK22, SHW⁺20]. **tensor-program** [LBCRK22]. **term** [HGJ20, NAJ⁺20]. **Termination** [GTU23, HH20, MS24, ACN18, CP22, DFD21, GBTB21, HFCG19, LAF⁺20, LY18, MMKK18, SZ21, SKD21, WFC⁺20]. **termination-insensitive** [GBTB21]. **termination-sensitive** [SZ21]. **Terms** [FQL24, LZL⁺24]. **Test** [SPKT18, ZMDJ23, ASD⁺21, CPKG17, KM17, RNDJ19, RGSNT17, SHTZ⁺19]. **test-input** [CPKG17]. **Tested** [CZW⁺23]. **Testing** [CKMP24, DEO⁺20, PYLR23, PN17, SKG⁺23, SCS24, VGJW23, WBdG⁺23, ZRH⁺20, AJRG21, BKV⁺21, DPQS18, DELT17, HTLS22, FW22, KNSA20, KSTM20, KM17, LHP19, LZY⁺20, LBR20, MN18, MDBL20, OMN⁺18, OMO19, PWZS21, SSR⁺21, WZS20]. **tests** [LWW⁺20, LZ17, SFH⁺20, ZdAG22]. **text** [GLR⁺20]. **textual** [ABF20]. **their** [AHLM20, AAC⁺18, RSPC17]. **them** [DA18]. **Theorem** [HJL24, KM23]. **Theorems** [AJSW17, BDYG⁺21, PA19b]. **Theoretic** [FAM23, KyKS22]. **theoretical** [BGWXP22]. **theories** [DLNS21, Ham17]. **Theory** [ADE23, ASW23, KKZ23, PST⁺23, SPB23, VSC23, AÖV18, AG22, CH19, CTW21, DG22b, FSSW22, GSB19, HMdL22, Kov22, MLBTT22, NLA19, NVD17, PTFT19, RGGH21, SG21, TCJ20]. **thin** [OD18]. **Thread** [DMSM18, BMTZ22]. **Thread-safe** [DMSM18]. **threats** [TBB⁺19]. **three** [SDL18, ZRH⁺19]. **three-level** [ZRH⁺19]. **three-way** [SDL18]. **Thriving** [Str20]. **Thunks** [PGJM24]. **tiers** [FLMD19]. **Tight** [AGLK18, MSBO23]. **Tiling** [WCD23]. **Time** [Atk24, DYLP23, HP23, LLHX23, MKG⁺23, PGJM24, SN24, TMPV23, WLD⁺23, BPP20, BBG⁺20,

EWR19, FKR20, KM20, MV20, NJA20, RAT17, SFH⁺20, WFC⁺20, WSH⁺19].
Timeline [NdAS23, LRS⁺20]. **timelines** [LSC⁺22]. **Timely** [Ell23]. **timing** [GCY⁺20]. **TiML** [WWC17]. **TLA** [KKT19]. **TLC** [GLSY20]. **Tlön** [LW22a].
Together [ZWF⁺23, KNNJ18, NJA20].
token [CC23, SdSCQ19]. **tolerance** [BGC18, MN18]. **Tolerant** [WBdG⁺23, MDSM19, Per18, VHEZ21]. **too** [DA18, HFS22]. **Tool** [NGP⁺24, TDJ⁺23, KPSL18]. **toolchain** [CG21, SMN⁺18]. **tools** [WLH⁺17]. **Top** [BOW⁺23, Lee21, ZdAG22]. **Top-Down** [BOW⁺23, Lee21]. **TorchQL** [NSW⁺24].
Total [ZMD⁺24]. **Tower** [YC22]. **towers** [AR18]. **Trace** [LCTS⁺20, OMO19, YRS23, AKL19].
Trace-Guided [YRS23]. **Tracking** [WBJ⁺24, BWB⁺21]. **Tractable** [CZW⁺23, EE18]. **trained** [RRG⁺21, VLG21]. **Training** [RDC23].
Transaction [BERC23]. **transactional** [BE19, DD22, KRB⁺21, LyXK⁺22, RWV19].
Transactions [DJR18]. **transducers** [CFLH⁺22, HJL⁺18]. **transfer** [USM22].
Transfinite [SKD21]. **transformation** [KPSL18, ST21, SHW⁺20, WMLK18].
Transformational [Cou24].
Transformations [SV23, ABD21, BP21, CN22, GBR⁺20, GCS⁺18, LA21].
transformer [SB19]. **transformers** [KMD⁺22]. **Transforming** [LZ17].
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Translating [BCH⁺22, ESDH21, EBP⁺23].
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