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

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

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

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Title word cross-reference

1 [XTZ+23]. $\bowtie$ [RHdSOZ23]. d [HL20]. ι [KLL20]. λ [FKR20, KyKS22, SC18]. λ_s [SMC21]. $\lambda\omega$ [VS20]. $O(1)$ [AZMV23]. ω [AKK+21]. Π [BCRA18]. Σ [BCRA18].

-calculi [KyKS22]. **-calculus** [FKR20]. **-Minimality** [XTZ+23]. **-regular** [AKK+21].

.NET [PVV+17].

2KB [KSS20].

3C [MKM+22]. **3CPS** [QRS22].

72 [Ing20].

abductive [ZDDJ21]. **ableC** [KKCV17]. **Abridging** [YMJ17]. **absorbing** [LP20]. **Abstract** [BGMW20, BGG+20, Lem23, BCD22, CDG22, Cra19, FSSW22, FS22, JTD21, KMD+22, KyKS22, KPE18, KE19, KMP19, LYU+22, MJ20, RMH21, SPV18, VPD19, WDR18, WCR19, ZYT+19]. **Abstracting** [BPPS19, DLNV17, MM19, SCJG21]. **Abstraction** [SL23, ZM19, BCDG22, CKA18, CdV20, GJJ+20, JDT22, LYSM22, LRS+20, MV20, WDS18, YSHZ21]. **Abstraction-safe** [ZM19]. **Abstractions** [CKN+23, FNB+21, KSW18]. **academia** [TRWS22]. **accelerate** [CB17]. **Accelerating** [LS23, JSXH20]. **access**

[BP19]. **account** [vdRS22]. **accuracy** [BCK+21, FJM19, MSRH20, SSH+19]. **accuracy-aware** [MSRH20, SSH+19]. **Achieving** [HLK+20]. **acquire** [AAJN18, DD22, YM21]. **across** [XCB+18]. **Actor** [BFSK20, BBB+17, CFD+17, SEP+20]. **actor-based** [BBB+17]. **Actris** [HBK20]. **ad** [JME20, SV23]. **adaptive** [WCHRP17]. **Adding** [ABF20]. **ADEV** [LHSM23]. **adjunctions** [GHHW18]. **Admissible** [PT23a]. **ADO** [HKSS21]. **advanced** [CAMS20, GLTS22]. **adverbs** [LW22a]. **Adversarial** [YAY20, ABG+21]. **Aeneas** [HP22]. **affected** [MNT20]. **Affine** [DKPS23, BKPS18, ST21]. **after** [MKV18]. **again** [NJA20]. **against** [ML21, VREV19]. **Agda** [VMA19]. **age** [BCG+20]. **Agnostic** [LCT+23, XTZ+23]. **Agreement** [WJS23, JWJ+21]. **Agreement-Based** [WJS23, JWJ+21]. **ahead** [MV20]. **ahead-of-time** [MV20]. **aided** [JGW+20, NWP+18, RGSNT17, WLH+17]. **Aiming** [HKGK20]. **air** [OD18]. **AL** [CR19]. **alarms** [ZGSN17]. **Algebra** [AKL+23, BHP+19, CKA18, CA22, GHHW18, KKC+17, PC22, SHW+20, SFH+20, ZdAG22, ZH18]. **Algebraic** [PvdR23, Ahm18, BPPS18, BPPS19, BAS+18, FNB+21, Ham17, KSG22, KKPS21, MRX+19, Mor19, NPWW22, Par20, STI20, WBTR20, YD22, ZN21]. **Algebras** [KW21, PvdR23, YvGK18]. **Algebro** [GHMM23]. **Algebro-geometric** [GHMM23]. **algorithm** [GRB20, MS19, XK21]. **Algorithmic** [LY18, LSC+22]. **Algorithms** [FKP23, GHMM23, WBdG+23, Ell17b, LSZ22, ÖN22, WNC+19]. **alias** [CCP18b, CKP22, GM21, SAB17]. **alias-aware** [SAB17]. **Aliasing** [EBP+23, BWB+21, JDKD20]. **Alignment** [AKL+23]. **alive** [MT17]. **allocation** [SdSCQ19]. **almost** [DFD21, HFCG19, MMKK18, SV21]. **almost-sure** [DFD21, HFCG19, MMKK18]. **Alone** [KNNJ18]. **Alpaca** [MCL17]. **already** [RAT17]. **Ambiguity** [PCHB23]. **Amortized** [BKK+23, LVSZ23, CLD20, KH21, RGGH21]. **analyses** [SBEV18]. **Analysis** [FAM23, LRY23, ADN22, AD17, AMS20, ABD21, BGC20, CDG22, COHY17, CCP18b, CKP22, Cho22, CLD20, DHP18, GM21, GS17, HH20, JJO18, JLO20, JJCO17, KH21, LYSM22, LY18, LTMS18, LH22, LX19, MP21a, Mil20, QGG19, RBG+18, RGGH21, RKS18, SWYZ22, SGL+21, SAB17, SNCM19, TLM+21, TCJ20, WWC17, WKH20, WCR19, YSHZ21, YHW20, ZGSN17, ZYT+19, ZPZX21]. **analytic** [PVSK18]. **Analytical** [BKPS18]. **analytics** [HLV21]. **analyzers** [RH22]. **Analyzing** [QRS22, INN21, MH21, RH22, SSK17]. **ancestors** [FMG+20]. **anchor** [FF20]. **Andersen** [MP21a]. **Android** [BFV18, SYW+21]. **angelic** [MNB+22]. **AnICA** [RH22]. **annotations** [CC20]. **Answer** [SU23]. **Answer-Effect** [SU23]. **Anti** [CKN+23]. **Anti-unification** [CKN+23]. **any** [MM19, PXA+21]. **AnyDSL** [LBH+18]. **AOT** [Ser21]. **API** [BFSK20, FSD21, JGW+20, YNIC19]. **APIfix** [GRS+21]. **APIs** [CHJ+19, GTT21, RG23]. **APL** [HK20]. **app** [FZSN20]. **Application** [LRY23, BGC18, CNRG19, GHMM20, JLO20, JR21, SBM20, WSH+19, ZR21]. **application-specific** [BGC18, JLO20]. **Applications** [KZA+23, AMT17, AFH+18, GAGG+18, Ham17, LMM17a, MDSM19, OBL+18, WDLC18]. **applicative** [MLMD19]. **Applying** [DNFK22, BSZL+18]. **Approach** [ADH+23, LL23, SSS+23, SL23, ACN18, BBRM17, CR20, HH20, HBP19, LAGN21, PES20, PS18, WR18, WCH+19]. **Approaches** [BGC23]. **ApproxHPVM** [SSH+19]. **Approximate**

[ETG19, FJM19, SFRM20, USM22]. **approximation** [DR19, LN22, WAPJ22]. **approximations** [MPV18, MMS+22]. **apps** [SYW+21]. **Architecture** [FSX+23, JPR22, RWNV20, Rei17]. **architectures** [DJR18]. **argument** [RAJ+17]. **Arithmetic** [KKZ23, FK18, PUW+21, SMC19, TML+22]. **ARM** [PFD+18, Rei17]. **Arm** [FSX+23]. **ARMv8** [PFD+18, RWV19]. **Aroma** [LYB+19]. **array** [HHY+21, OCDR17, PJD+21, SFVJ19]. **array-processing** [SFVJ19]. **arrays** [NcS17]. **art** [HP19]. **ask** [RvAP+20]. **ASP** [BGC23]. **aspects** [Cho22]. **Asphalion** [VREV19]. **assembly** [CGL22, SCK+20]. **Assertion** [HHT20]. **Assertion-based** [HHT20]. **assertions** [LZY+20]. **assessing** [TBB+19]. **assessment** [ACM+18]. **assets** [CAMS20, HVH20]. **assignments** [LSSO18, SLO19]. **assisted** [CRMA20, SVR17]. **association** [SZD+17]. **assumptions** [CTW21]. **asymptotic** [HLL20]. **asymptotically** [KJK+22]. **Asynchronous** [AP21, AZMT18, CY19, FLMD19, GPP+21, GTT21, GMOO21]. **atomic** [PFD+18, ZZX+20]. **Attacks** [SADC23]. **attention** [LWNN19]. **attention-based** [LWNN19]. **auditing** [ZPG+17]. **Augmented** [ASMS20, DAY20]. **autodiff** [PJD+21]. **autogenerating** [CR19]. **Automata** [DTSLT23, GMOO21, LKM23, AM17, THL+20, WDS17]. **Automated** [DELT17, KTST23, MCF+22, PWSD20, TLKC18, ZMSD23, ACM+18, CTR+20, HP19, SYW+21, ZSL+22]. **Automatic** [DPM23, GTT21, KH21, LSSO18, LHSM23, MP21b, PHXD19, SC20, SLO19, AAM+21, Ell18, Ell21, KKCV17, KJK+22, LYU+22, PXA+21]. **Automatically** [COHY17, KKSL22, VDvG+21, BSPC19, BBZ18, DRS21, LSA18]. **Automating** [AD17, KLV23, Jab20, WKH20]. **Automation** [MK23]. **AutoPandas** [BLF+19]. **avoidance** [CSM+17]. **avoiding** [OD18, PBC+21]. **Aware** [DWH23, LVSZ23, CPY20, CEEW21, FG18, FBG20, GRXB19, HKVR21, HKSS21, MSRH20, NSGH22, OMO19, PWZS21, PXA+21, SKS+19, SC20, SSH+19, SZZ+19, SHTZ+19, SAB17, WZS20]. **axiomatic** [KH18, PFD+18]. **axiomatizations** [KLMM22].

babble [CKN+23]. **Back** [KCB+23, MSBO23, BSLBG22, JDT22]. **back-translation** [JDT22]. **backed** [BLF+19]. **Backend** [BBP23]. **Backpropagation** [BMP20]. **backpropagator** [WZD+19]. **backward** [KZK+18]. **Based** [ADH+23, BGC23, GHMM23, KO23, WJS23, ASMS20, BKN19, BKKM21, BBB+17, BSLBG22, CNRG19, CB18, CKP22, ESCL22, FDvdHP22, HHT20, HBK20, JWJ+21, JBK22a, JLO20, JKT21, KNNR17, LHP19, LLSS22, LWNN19, LZY+20, MKV18, Mil20, MJ22, MKLR20, MDBL20, NGR+22, PCAGG21, PS18, RRG+21, RFH+22, SHdM20, SM20, SCZW20, SBEV18, VMS+22, WMM20, WBS+22, BGC20]. **basis** [KH18]. **batch** [SLDN17]. **Bayesian** [DKPS23, ŚKV+18, ŚKG18]. **BDA** [ZYT+19]. **be** [CAMS20, GJK+21, JO22]. **Beast** [RHdSOZ23]. **before** [MKV18]. **behavior** [BKPS18]. **behind** [SHdM20]. **beliefs** [KNNR17]. **benefits** [SGDL20]. **bent** [RST20]. **Berry** [BM20]. **Better** [CKN+23, KMP19, Mai17, SV21]. **between** [LMÖ+22, WDR18]. **Beyond** [Ram22]. **BFF** [ZSL+22]. **bias** [WCBG17]. **bidirected** [KP22, LZR21, LSZ22]. **Bidirectional** [MKC18, ZGHH23, DK19, KH18, LCOC20, YMDW21, ZSM20]. **Big** [ZMSD23, LRV+22]. **bijections** [YF18]. **bijective** [MFP+18]. **binaries** [DAY20]. **binary** [CP22, DSPC+19, MOP21, ZYT+19].

binder [Chl21]. **Binders** [BPPS20, CR20]. **binding** [AAC+18, QRS22]. **Bindings** [BGPT19]. **bioinformatics** [SNB+19]. **BioScript** [OLC+18]. **Bisimilarity** [JW23]. **Bisimulation** [MV19]. **Bit** [LKM23]. **bitfield** [ZSL+22]. **bitfield-manipulating** [ZSL+22]. **Blade** [VDvG+21]. **blame** [LKS+20, LGFD21, SSC+17, WMW18]. **block** [RFH+22]. **block-based** [RFH+22]. **blockchain** [HTLS22]. **blocking** [FF20, PVV+17]. **blocks** [CB17]. **blows** [BBTK+17]. **Bonsai** [CB18]. **Boolean** [MvdP20, MvdP21, PC22]. **borrows** [JDKD20]. **both** [FKR20]. **Bottom** [MNB+22, BPP20, Lee21]. **Bottom-up** [MNB+22, BPP20, Lee21]. **bound** [DR19]. **boundary** [FSSW21]. **Bounded** [BGM+23, CPKG17, WJS23, AJRG21, ABM+21, BMTZ21, BMTZ22, BGPT19, KESJ18, MJ21]. **bounded-memory** [ABM+21]. **Bounds** [FCS+23, AGLK18, HKGK20]. **Bowtie** [RHdSOZ23]. **boxes** [BSLBG22]. **bracketed** [SDB19]. **brainer** [DMS17]. **breaking** [GRS+21, MNT20]. **Bridging** [LMÖ+22, WDR18]. **broken** [AZMT18, GJK+21, HFS22]. **browser** [KSP22]. **bug** [DRS21, LWNN19, PS18]. **Bugs** [PP22, BSPC19, BFSK20, CSD+21, LRV+22, MN18, RS20, SYW+21, SJL19, WZS19]. **Build** [MMJ18, SMTH20, SCMS20, WSH+19]. **building** [DFPG21, WLH+17]. **built** [DTM+18]. **built-in** [DTM+18]. **Bullet** [CLO+23]. **bunch** [FDvdHP22]. **bunched** [FDvdHP22]. **bureaucracy** [Chl21]. **bytecode** [CNRG19, WMLK18, XK21]. **Byzantine** [VREV19, WBdG+23].

C [BDCN20, BBG+20, COHY17, CNH20, ESDH21, EBP+23, GLBP22, KKCV17, KLSV18, LSM+22, LBR20, MKM+22, 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, YM21]. **C11-style** [ML21]. **C4** [LyXK+22]. **CAAT** [HMdL22]. **cache** [BKPS18, BZKT21, GCY+20, XCB+18]. **caching** [BC18, WSG+20]. **CakeML** [GLPS+20, ONK+17]. **Calculating** [PH21]. **calculation** [BH22]. **Calculi** [AGK23, KyKS22, VRC22]. **Calculus** [BKK+23, BDS23, GSF+23, YTO23, ABH+21, BGM19, BMP20, CdV20, DdVMY19, FKR20, FKT21, Ham17, KLL20, Mor19, Tej20, ZK22]. **Call** [HH19, AG22, BBBK17, BCD22, FKR20, JO22, KMLD20, PWSD20, ST21]. **Call-by-need** [HH19]. **call-by-push-value** [KMLD20]. **call-by-value** [AG22, FKR20, HH19, ST21]. **call-site** [JO22]. **callback** [GAGG+18]. **callbacks** [AGR+20]. **calling** [DAJE20]. **calls** [ONK+17]. **CAMP** [CPY20]. **Can** [CAMS20, RFH+22, CSD+21, JGMP22, JO22]. **canonical** [BvGKJ17, BCH+22, FJM19]. **capabilities** [BSO20, BSLBG22, CK20, GGV+21, GTB22, SDB19, SKB+22, VPD19]. **capability** [GGV+21, GTB22, SBO20, SGD17]. **capability-passing** [SBO20]. **Capturing** [KSSL18]. **care** [BPPS18]. **carte** [MMJ18, vdRPR+22]. **Case** [WL23, BGWXP22, WH19]. **cases** [CLNL22]. **cast** [MHN19]. **Casting** [MHN19]. **Casts** [CCW18, LSM+22]. **Catala** [MCP21]. **Categorical** [Mel19, ABG+21]. **categories** [CK18, CS21, Ell17a]. **category** [KyKS22]. **category-theoretic** [KyKS22]. **Causal** [CC23, DTSLT23, GGN+21]. **Causality** [CC23]. **cause** [WMW18]. **causes** [BFSK20]. **Cedille** [SJSM20]. **Celsius** [BL22]. **centric** [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]. **changes** [BAY20, GRS+21, MNT20]. **changing** [Str20]. **channel** [FDvdHP22, GCY+20, SM20]. **channel-based** [FDvdHP22, SM20]. **channels** [BZKT21]. **Chaperone** [MP17]. **Chase** [CGL+23]. **CHC** [GTU23]. **check** [FZL18]. **checked** [MKM+22]. **checker** [GJS20]. **checkers** [PES20, RvAP+20, ZvAV22]. **Checking** [KTST23, KLV23, KPH22, 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]. **choreographies** [HG22, MYZ20]. **Circuit** [KO23]. **circuits** [HRH+21, Mat22]. **clairvoyant** [HH19]. **Clarke** [LYSM22]. **class** [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]. **CN** [PMS+23]. **co** [CFD+17, CA18a]. **co-design** [CFD+17]. **Coalgebraic** [JW23]. **coarrays** [RLS20]. **Coarsening** [SZD+21]. **coaxioms** [ADZ17]. **codata** [BJSO20]. **Code** [BJP23, BBP23, MGB+23, PMS+23, ABF20, BJC+22, BCH+22, BT18, BSZL+18, BAY20, BPB+21, CL21, DFPG21, 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]. **Collection** [MCP23, BDCN20, BP21, DEH+18, MP22, SHSO22, UAM17]. **collections** [DTM+18, EE18]. **collective** [EWR19]. **combating** [GRS+21]. **combination** [MR22, SdSCQ19]. **combinatorics** [Mel19]. **combinators** [WWP20]. **Combining** [DTSLT23, Lee21, LWUD21]. **Communication** [DFLL23, CHJ+19, DEO+20]. **Commutativity** [FKP23, CFKP22]. **comonadic** [Cho22]. **comonads** [CK20, HT18]. **compact** [CS21]. **Compacting** [BS21]. **Comparative** [WLJ+23]. **CompCert** [BBP23, SCK+20]. **CompCertELF** [WXWS20]. **CompCertM** [SCK+20]. **Competitive** [MAH18]. **Compilation** [CA22, HHY+21, LB23, BBP20, Cra19, KKPS21, Kov22, LVH+22, OUM18, PBC+21, RKV21, Ser21, VPD19, VCD+21, WXWS20, WZSK22, XL21, XK21]. **compile** [RAT17]. **compile-time** [RAT17]. **Compiler** [BBP23, MTDC19, AHM+17, BH22, BBF+21, BBG+20, BPB+21, CKP22, GCS+18, KKC+17, LWY+22, Mai17, PA19b, SSH+19]. **compilers** [CSD+21, CKA18, DELT17, LBR20, MSRH20, MJK+17, PH21]. **Compiling** [COER19, Ell17a, PG21, SBO20, WBTR20, NWP+18]. **Complete** [GFD19, AAR20, BKKM21, CK18, DK19, EE18, Pav20, SGL+21, UST18, VTC+18]. **completely** [vdRS22]. **Completeness** [CDG22]. **completion** [PvAPV22, WDS17]. **Complexity** [FISS20, KD23, WYT+22, AD17, BE19, DHP18, INN21, KP22, LZR21, MP21a, WWC17]. **Complexity-guided** [WYT+22]. **Component** [KO23, DEH+18, MJ22, RRG+21].

Component-Based [KO23, MJ22, RRG+21]. **components** [GLSY20, KE19]. **composed** [BC18]. **Composing** [WMM20]. **composition** [KKCV17, RK22, SLDN17]. **Compositional** [DPQS18, KPE18, LSC+22, MHLG23, PLA21, SDdSO22, VSC23, BCB21, BGOS18, GJS20, HKSS21, JRB+22, KNNJ18, KSW18, SKE+20, SGD17, ZBY+21, ZXSD21]. **Compositionality** [GY23]. **compositionally** [DFD22]. **comprehensive** [BFSK20]. **Computable** [HSS23, SMC21]. **Computation** [RZ20, CT19, DSLH20, Ham17, KVT20, MW20a, Mul22, PGFP17]. **computational** [CH19, CS21, CTW21, Kes22]. **computations** [ABG+21, ADZ17, OCDR17]. **computer** [NWP+18]. **computer-aided** [NWP+18]. **Computing** [FSX+23, KCB+23, VLRH23, AFF+18, GTF+20, JPBG19, PP22, SLJ20]. **concatenation** [HJL+18]. **concentration** [BZSL19]. **conceptual** [BL22]. **Concurrency** [FG18, SL23, BFSK20, FDvdHP22, JRB+22, KESJ18, KLSV18, MDBL20, PFD+18, SM20, YM21]. **Concurrency-aware** [FG18]. **Concurrent** [FKP23, RBDO22, SP22, 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** [SCL+23, WL23]. **conditioning** [DK20, NcS17]. **conditions** [GKJ+18, ZZX+20]. **cones** [EPT18]. **Confidential** [FSX+23]. **configuration** [SZD+17]. **Conflict** [ZH18]. **conjunction** [LLSS22]. **Connectivity** [JBK22a]. **Conquer** [ADH+23]. **consensus** [DEO+20]. **Consequence** [KKZ23]. **Consequence-Finding** [KKZ23]. **conservativity** [KP18b]. **Consistency** [KLV23, SFH22, AAJ+19, BE19, GKMB17, HMdL22, KSTM20, KEW+20, RMV22]. **Consistency-preserving** [SFH22]. **consistent** [HKSS21, RNDJ19]. **constant** [BBG+20]. **constant-time** [BBG+20]. **Constrained** [ME17, BOR18, KSG22]. **Constraint** [ESCL22]. **Constraint-based** [ESCL22]. **Constraints** [DGGM23, JJR23, CCH+18, CFLH+22, HJL+18, ML20a, ZHL+20]. **Constructing** [KKA19]. **construction** [DSPC+19, LYU+22, SPV18]. **constructors** [JME20]. **container** [WYT+22]. **Context** [BMTZ21, BMTZ22, BGM+23, LL23, 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, FSD21, LSDZ22]. **context-sensitive** [LH22, PP20, SWYZ22]. **context-sensitivity** [JJCO17]. **Contextual** [FCY+20, SCL+23, WCGC18, ZN21, BAY20, Jab20, JGMP22, TSKJB18, ZA22]. **continuation** [ABD21]. **continuation-passing** [ABD21]. **Continuations** [SU23, CA18b, COER19, PG21, TB19]. **continuity** [BCDG22, SMC19]. **continuous** [BKMMP19, WCGC18]. **contract** [AGR+20, BEM+21, MNTHV21, NGTHV18, SNJ+19]. **contraction** [KPP21]. **contracts** [ASD+21, CGL22, CWG+22, END+18, FGS+18, GKJ+18, GLTS22, GAGG+18, HFS22, MP17, SGL+21, WZS19, WCD17, WMW18, ZBS+22]. **Control** [KCB+23, AFF+18, BGMW20, DAY20, FBP+21, FKLP17, GSW21, HLL20, KKSL22, PSY+20, Ram22, RMH21, SDB19, ZSM20]. **control-flow** [KKSL22]. **controlled** [MDBL20]. **conventions** [DAJE20]. **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, KZK+18, SM19, SBF+20, yXZH+20]. **CoqQ** [ZBS+23]. **Core** [GSF+23]. **coroutine** [Spi17]. **coroutines** [IEC22]. **Corpse** [MNTHV21]. **correct** [ASD+21, DSPC+19, FKE+20, FSD21, KJK+22, QSL17, SBF+20]. **correct-by-construction** [DSPC+19]. **correction** [LSSO18]. **Correctly** [KZA+23, LAGN21, LN22, PG21]. **Correctness** [FSY+18, ZDS23, BKV+21, LSA18, PA19b]. **correlated** [ZPG+17]. **correlation** [BAS+18, GRB20]. **Cosmo** [MJP20]. **cost** [AMS20, ABD21, CPY20, DFS18, GLPS+20, KNJ+22, MH21, NSGH22, QGG19, RBG+18, RGGH21, WKH20, WAA22]. **cost-aware** [CPY20, NSGH22]. **costs** [BDA20, CCW18, OD18]. **Countable** [AB23]. **counter** [HC21]. **Counterexample** [GRB20]. **Counterexample-guided** [GRB20]. **countering** [GFFS17]. **counting** [LL22, THL+20]. **counting-set** [THL+20]. **coupled** [VVB22]. **coupling** [AH18]. **couplings** [VVB22]. **course** [Chl21]. **Coverage** [LHP19, LWY+22, GJS20]. **Coverage-guided** [LWY+22]. **CPS** [BCRA18, DMS17, ST21]. **CPU** [IDSW21]. **CPU/FPGA** [IDSW21]. **crashing** [SYW+21]. **CRDTs** [LPM+22, NGR+22, WMM20]. **credits** [SGT+22]. **crisis** [EDWL21]. **Cross** [DEH+18]. **Cross-component** [DEH+18]. **crowded** [Str20]. **Cryptographic** [GSF+23, VDvG+21]. **Cubical** [VMA19, CH19]. **CUDA** [MH21]. **Customizable** [WKN+23]. **Cutting** [CGL+23]. **cycle** [MW20b]. **Cyclic** [KPP21, TU22]. **cyclic-proof** [TU22].

D [BAP20]. **Dargent** [CLO+23]. **dark** [MHN19]. **Data** [CCP+18a, CLO+23, JJCO17, PSW21, RHdSOZ23, 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, LRGC19, LPR+20, MGT21, MW20b, MM19, PJP+18, QSL17, SSC+17, WDS17, WCMH19, WBW+20, WCBG17, YvGK18, YDJD21, YD22, YC22]. **Data-centric** [CCP+18a]. **data-dependence** [CCP18b]. **Data-driven** [JJCO17, SSSC+22, ZDDJ21, JJO18, SSC+17]. **data-structure** [QSL17]. **database** [RNDJ19, RS20, WDLC18]. **database-driven** [WDLC18]. **Dataflow** [MKLR20, BBP20, HKVR21, SAB17]. **Dataflow-based** [MKLR20]. **Datalog** [BGC20, BGC23, ML20a, RMZ+20, SBEV18]. **Datatype** [KCL22, JR21]. **Datatype-generic** [KCL22]. **datatypes** [EC22, JME20, SMC21, XEdSO20]. **day** [BPPS20]. **dead** [BBTSTH17]. **Deadlock** [CSM+17, JB23, JBK22a, JBK22b, KP18a]. **debugging** [CN22, CG21, LZY+20, PN17]. **Decentralized** [SSS+23, ZBS+22]. **Decidability** [AÖV18, KP22]. **Decidable** [KM23, MPAG20, CCH+18, Ham17, HL20, KLO+22, MP20, PLSS17]. **Deciding** [AAB+21, AKK+21, BCK+21, MMK+20]. **declarative** [CFKP22, HLV21, NPZ+20, RvAP+20]. **Declassification** [MHLG23]. **decoders** [DSPC+19]. **decompilation** [GLTS22]. **decompiling** [NWP+18]. **decomposing** [SPV18, WMM20]. **Decomposition** [BJSO20, RFH+22]. **Deconstructing** [BDS23]. **Deductive** [CMP20, FMTSL20, LCT+23, LWUD21]. **Deep** [SADC23, 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].

DéjàVu [LMM+17b]. **delayed** [ABM+21]. **Delimited** [SU23, CA18b, FKLP17]. **demand** [PPSW20, SNCM19]. **demand-driven** [PPSW20, SNCM19]. **Demystifying** [WZD+19]. **Denotational** [CLD20, ŚKV+18, LCTS+20]. **dense** [KRV+21]. **deoptimization** [BBF+21, FSY+18]. **Dependence** [GRXB19, LVSZ23, BGHT22, CCP18b, ZYT+19]. **Dependence-Aware** [LVSZ23, GRXB19]. **dependencies** [JRB+22, PNPW22, SMTH20]. **dependency** [Cho22, TCJ20]. **Dependent** [CBTB20, 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** [CDD+19, ECK+22, EGT22, FRS+21, PH21, SM19, SRF+20, Tej20, VMA19]. **Dependently-typed** [ECK+22, PH21, SM19]. **derivation** [DSPC+19, IEC22, LZ18]. **Derivative** [HBP19, JKT21]. **derivative-based** [JKT21]. **derivatives** [HBP19]. **derive** [ZvAV22]. **derived** [RvAP+20]. **Deriving** [LA21, KPW18, KKSL22, PES20]. **descendants** [FMG+20]. **deserves** [Coh18]. **Design** [CNRG19, BCC+18, CFD+17, GV19, MRG18, NWP+18, WSG+20]. **Designing** [TGKV20]. **Designs** [WLJ+23, ZR21]. **despite** [HFS22]. **dessert** [GLPS+20]. **desugarings** [BCB21]. **Detecting** [MNT20, RAJ+17, WZS19, ZZX+20, BZKT21, SCMS20, SYW+21]. **Detection** [AZMV23, AMT17, BGOS18, DMB20, DRS21, GRXB19, GAGG+18, LWNN19, MKV18, PS18, SLO19, WAA22, WCBG17, ZPZX21]. **Deterministic** [KVT20, SLDN17, UST18]. **development** [WKS18]. **devices** [PGFP17]. **diagnosis** [LSSO18, LSZ+20, SSC+17]. **Diagrammatic** [BHP+19]. **Diagrams** [BDS23]. **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** [ADN22, AH18, BCK+21, KNSA20, NDA+19, WCHRP17, ZRH+19, ZRH+20]. **Differentially** [ZHL+20, SA19]. **Differentially-private** [ZHL+20]. **Differentiation** [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, MKC18]. **directed** [CPB+22, FSSW22, GTB22, OUM18, RNDJ19]. **discipline** [VHEZ21]. **Discover** [DTSLT23]. **discovery** [JGW+20]. **discrete** [HVM20, SFRM20]. **Disentanglement** [WYFA20]. **dispatch** [BCG+20, FCY+20, PHSR19, PP20]. **distancing** [DG22a]. **Distributed** [CHJ+19, GGN+21, WJS23, WKS18, 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** [SFRM20]. **divergence** [RMH21]. **Divergent** [FCS+23, ADZ17]. **diversity** [BJSO20]. **Divide** [ADH+23]. **Divide-and-Conquer** [ADH+23]. **Do** [GLPS+20, AMP+20, UdM22]. **Does** [LKS+20, MTDC19]. **domain** [BKF20, PLS+19, SDdSO22]. **domain-specific** [BKF20, PLS+19, SDdSO22]. **domains** [SPV18]. **don't** [GFFS17]. **DOT** [BGWXP22, GST+20, KLL20, RL19]. **Doubly** [WJS23]. **Doubly-Unbounded**

[WJS23]. **Down** [BOW+23, BCB21, Lee21]. **DProf** [BVG19]. **driven** [GBR+20, JJO18, JJCO17, MJK+17, PPSW20, SSC+17, SSSC+22, SNCM19, VHEZ21, WDLC18, ZBS+22, ZDDJ21]. **DSL** [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, LZR21, LSZ22, LZR23, SWYZ22]. **Dyck-CFL** [SWYZ22]. **Dyck-reachability** [LZR21, LSZ22]. **Dynamic** [AZMV23, FKRS23, MSI19, PP20, 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** [Par20]. **ECROs** [DFPG21]. **edge** [DWZ20]. **edit** [MGL+19, ZBG+22]. **Editorial** [Wad17]. **edits** [PBS+17]. **education** [CDH17]. **Effect** [BSO18, MJK+17, SU23, XBH+20, BPPS20, BSO20, FKLP17, GLBP22, GCS+18, KKPS21, LLB+20, SBO20, XL21, XCIL22, YW21, ZM19, dVP21]. **Effect-driven** [MJK+17]. **Effectful** [BBP23, DG22a, KyKS22, MJ22, SRF+20]. **Effective** [KLSV18, KRV19, LVSZ23, ZGSN17, MN18, TTS18]. **effectively** [BKV+21, GAGG+18, Pav20]. **effectiveness** [WZS20]. **Effects** [BSO20, BSLBG22, HLL20, PvdR23, Ahm18, AP21, BPPS18, BPPS19, BAS+18, DG22b, FKLP17, HK22, HT18, HC21, MvdP20, NPWW22, PT20, STI20, SM20, SB19, WBTR20, ZN21]. **efficiency** [ADV21, HLL20]. **Efficient** [AAM+21, CFL17, GGV+21, JKXH23, KKPS21, KRV+21, LSZ22, SFVJ19, SV23, 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** [HJL+18]. **egg** [WNW+21]. **Elaborating** [CA18a]. **Elaboration** [Kov20, PvdR23]. **elaborator** [KCL22]. **elementary** [LN22]. **Elements** [GD23, LP20]. **ELF** [WXWS20]. **Eliminating** [MV20, VDvG+21]. **elimination** [CLNL22, DS17, OBS+22, PT20]. **Elipmoc** [GLTS22]. **elision** [LP20]. **Emacs** [MS20]. **embedded** [PZR+17]. **embedding** [NA18, SCZW20]. **embedding-projection** [NA18]. **embeddings** [Chl21, LW22a, SDdSO22, WWGW20]. **embracing** [UdM22]. **empirical** [CAMS20, GCS+18, KSTM20, MHN19, PP22]. **empirically** [TGKV20]. **Empowering** [MT18]. **Enabling** [MSRH20, WJS23, ZBS+22]. **encapsulation** [SDB19, TSKJB18]. **encoders** [DSPC+19, GXD20]. **End** [CC22, RFH+22]. **End-to-end** [CC22]. **end-users** [RFH+22]. **Endpoint** [GY23, CHJ+19]. **Enforcing** [MGB+23, NDA+19, SDB19]. **engineering** [DAY20]. **enhanced** [San22]. **enhancement** [PXA+21]. **Enhancing** [MKV18]. **entangled** [KGdV+22]. **Entanglement** [WAA22, YMC22]. **enumeration** [Lee21, vdRS22]. **enumerative** [BPP20]. **environments** [FZSN20]. **epoch** [RV18]. **EPR** [PLSS17]. **Equality** [PT23b, EGT22, KFM21, NWZ+21, PT22, WNW+21]. **Equational** [GSF+23, LL23, Mor19]. **Equations** [SM19]. **equivalence** [AAJ+19, BCG+21, CRMA20, Jab20, KPH22, Mil20, WCGC18, WDLC18, ZA22].

Equivalences [TTS18, TSKJB18]. **erasure** [SBF+20, Tej20]. **error** [CN22, SEG+22, WCC17, WCH+19]. **errors** [BBZ18, CN22, DdVMY19, LSSO18, SSC+17, SLO19, WC17, ZZX+20]. **essence** [DLC22, Ell18, Par20]. **estimation** [MSRH20]. **Eta** [RHdSOZ23]. **Ethereum** [BEM+21, GKJ+18, GLTS22, LGTS20, SGL+21, WZS19]. **eval** [BCG+20, GDBK+21, PGIY20]. **evaluate** [LGFD21]. **Evaluating** [CBA17]. **evaluation** [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, HVM20, SMC19]. **Example** [CGL+23, ASMS20, JSXH20, VLG21, WFB+20]. **example-based** [ASMS20]. **examples** [BFV18, GS22, GDM20, IS18, YAY20]. **ExceLint** [BBZ18]. **Exceptional** [FLMD19, PTFT19]. **Executable** [GB20, ZBY+21]. **executables** [ZYT+19]. **Executing** [KZA+23]. **Execution** [LS23, MGB+23, AJRG21, BGC18, CKT18, CB17, CN22, GCY+20, KHLD22, MCL17, MNB+22, MKV22, NPZ+20, SLHR22, WBTR20, WMLK18, ZBS+22]. **exhaustive** [AJRG21, CPKG17]. **existential** [EDWL21]. **existentials** [DK19]. **Expansion** [RHdSOZ23]. **expectation** [ABH+21, BKKM21]. **expectation-based** [BKKM21]. **expectations** [WKH20]. **Expected** [BKK+23, LHSM23, ABD21, BEG+18, WFC+20, WKH20]. **experience** [ACM+18, AHM+17, BRS18, BS17, BSZL+18, CDD+19, FDD+19, HP19, HTLS22, RK22, TRWS22, YW19]. **experiment** [RFH+22]. **experiments** [TBB+19]. **explain** [RSPC17]. **explodes** [BT18]. **Exploiting** [KNNR17, CFL17]. **exploring** [CKP22]. **Exposing** [GCY+20]. **expressing** [HLK+20]. **Expression** [LKM23, SJSM20]. **Expressions** [LC23, LP20, MKTD17, PHXD19]. **Expressive** [DGGM23, BKKM21, FKLP17, LWUD21, NDA+19, XLD20]. **expressiveness** [PMD21]. **ext4** [KKRV21]. **extended** [SWYZ22]. **Extending** [RMV22]. **Extensible** [RHdSOZ23, KKCV17, KJJ+18, MM19, SRF+20, WNW+21]. **extension** [YvGK18]. **extensionality** [BGG+20]. **extensions** [KKCV17]. **extent** [QRS22]. **extracting** [HWC+21]. **extraction** [CLD20, KMLD20].

f [JGMP22, RHdSOZ23]. **F#** [Sym20]. **F*** [PZR+17]. **failure** [LSZ+20]. **failures** [HKSS21, ZPG+17]. **Fair** [CP22, LNO+21]. **Fairness** [MWA19, ADDN17, BZSL19, UCWZ20]. **FairSquare** [ADDN17]. **Familia** [ZM17]. **Familial** [Hir19]. **families** [ME17]. **family** [ZM17]. **Farkas** [LFY+22]. **Fast** [CVG+17, CN22, GTF+20, JW23, Pav20, WNW+21, 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]. **features** [COHY17, JLO20]. **Feedback** [GBR+20]. **Feedback-driven** [GBR+20]. **Feller** [BCDG22]. **Few** [SADC23]. **Few-Pixel** [SADC23]. **FFT** [Ell17b]. **fibrations** [MPV18]. **fibred** [Ahm18]. **file** [SZD+17]. **files** [WXWS20]. **Finding** [AZMT18, BT18, KKZ23, LRV+22, RS20, BBZ18, DNFK22]. **Fine** [KD23, FSK+22, Kes22, MP21a]. **Fine-Grained**

[KD23, FSK+22, Kes22, MP21a]. **Finitary** [OUM18]. **finite** [KM22, WDS17]. **fire** [PT20]. **First** [XCIL22, EDWL21, HLL20, Kov20, ML20a, MKV18, NJA20, PHL+18, WBE20]. **First-class** [XCIL22, EDWL21, HLL20, Kov20, ML20a]. **first-order** [PHL+18]. **fitch** [BGM19, VRC22]. **fitch-style** [BGM19, VRC22]. **fix** [BSPC19]. **fixed** [WC17]. **fixing** [FGS+18]. **Fixpoint** [BKMMP19, UTGK23, CTR+20, KVT20]. **Fixpoints** [ML20a, GMOO21, MPB+22]. **flaky** [LWW+20]. **FlashFill** [CGL+23]. **FlashProfile** [PJP+18]. **Flexible** [yKMUW22]. **floating** [Ada19, LAGN21, ZZX+20, ZGS+22]. **floating-point** [ZZX+20, ZGS+22]. **flow** [AFF+18, DAY20, Kav19, KKSL22, KSW18, PSW21, PSY+20, Ram22, RMH21, SDB19, SGL+21, SCZW20, ZSM20, ZK22]. **Flow2Vec** [SCZW20]. **FlowCFL** [Mil20]. **Fluent** [RG23, YNIC19]. **fly** [MGL+19]. **focusing** [RZ20]. **FOL** [MPB+22]. **fold** [JGW+20]. **forever** [BGM21, SZ21]. **forking** [LyXW21]. **Formal** [BBG+20, FS22, HPRW21, JPBG19, MJ21, YZZ22, DAB+21, EUR+17, GB20, LRS+20, PNWT22, SLJ20, ZBY+21, Rei17]. **formalising** [RWV19, RMV22]. **formalization** [BP19, ZdSOS19]. **formalized** [HVK19]. **formalizing** [RL19]. **Formally** [BBF+21, BBP23]. **Format** [CKA18]. **formats** [DSPC+19, GLR+20]. **formula** [BBZ18, BJC+22]. **formulas** [KM22]. **Formulog** [BGC20]. **Fortran** [RLS20]. **forward** [SCJG21]. **Foundation** [ZDS23, PNWT22, SLJ20]. **Foundational** [ZBS+23, ZSL+22]. **Foundations** [BBBK17, KSTM20, LMP18, AFH+18, BGWXP22, DAB+21, HVK19, JPBG19, JJKD18, OBL+18]. **FPGA** [IDSW21]. **FPL** [PUW+21]. **FR** [HVK19]. **Fractional** [DMS22, CS21]. **fragments** [GM21, HL20]. **frame** [LL22]. **Framework** [AGK23, BL22, CTR+20, EUR+17, GSS+22, KKCV17, KJJ+18, LBH+18, LZ18, LJ20, MA18, NSGH22, PJP+18, SSK17, SHW+20, SSK22, WCHRP17]. **Free** [BGM+23, JB23, 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]. **friendly** [WCC17]. **Full** [CdV20, BCDG22, JDT22]. **Fully** [Cra19, JTD21, KyKS22, SYW+21, KMP19, RL19, VPD19]. **fully-abstract** [KMP19]. **function** [CCH+18, FCY+20, Kov20, LN22, OBL+18, ONK+17]. **Functional** [DTSLT23, LC23, LB23, NWP+18, RG23, ŚKG18, SHSO22, ZMSD23, 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** [BGJ+21, CFLH+22, EPT18, KSG22, RK22, SPKT18, SHdM20, SMC21]. **Functorial** [DLNS21]. **functors** [BGPT19, MLMD19]. **Fusing** [TRWS22, SSK17]. **fusion** [YW21]. **Futhark** [EHAO18]. **future** [JLP+20, KSSL18, MWW22]. **futures** [CSM+17]. **FuzzFactory** [PLS+19]. **Fuzzi** [ZRH+19]. **Fuzzing** [LS23, SM20, 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** [ACM+18, BKMMP19, FK18]. **gap** [LMÖ+22, WDR18]. **Garbage** [MCP23, BDCN20, DEH+18, MP22, UAM17]. **garden** [LyXW21]. **gas** [GKJ+18]. **Gauss** [BLSS21]. **GC** [CFD+17]. **General** [HP23, CR20, KJJ+18, LYU+22, MMS+22, SSK17]. **Generalizable** [JXXH21]. **Generalized** [XL21, XHdSO23, DS17, Mil20]. **generate** [LAGN21]. **Generating** [BJP23, BP21, LPP18, LCT+23, Mat22, WCH+19, YNIC19, COHY17]. **Generation** [BBP23, LVSZ23, CPKG17, CL21, LFY+22, RNDJ19, RGSNT17, SSSW21, SPKT18, WH19]. **Generative** [PWZS21]. **generator** [ASD+21, JKT21]. **generators** [BLF+19, KKSL22, LPP18, Mat22, NPZ+20, SV21]. **Generic** [DFS18, Ell17b, EZYS22, KPW18, EC22, KCL22, SKB+22, Yal17, dVPJ20]. **Geo** [BBB+17]. **Geo-distribution** [BBB+17]. **geometric** [GHMM23]. **Geometry** [CC23, GYK+20]. **Getafix** [BSPC19]. **Getting** [PJD+21, MAH18]. **Ghost** [LHC+23, CMP20]. **GhostCell** [YDJD21]. **Girard** [Kes22]. **GitHub** [LMM+17b, TRWS22]. **Giving** [HC21]. **global** [DFPG21]. **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]. **GPU-based** [CNRG19]. **GPUs** [CPKG17]. **graded** [CEEW21, yKMUW22, OLE19]. **Gradients** [RPF+23]. **grading** [CRMA20, HP19]. **Gradual** [CL17, CLPS19, ITVW17, NLA19, TLT19, VTV18, WBW+20, YTO23, 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** [MGT21]. **Grafs** [HLV21]. **Grained** [KD23, FSK+22, Kes22, MP21a]. **grammar** [YNIC19]. **grammars** [AM17, HBP19, JKT21]. **graph** [HLV21, JLO20, KKSL22, Mil20, WCMH19, WWGW20, ZYB+18]. **graph-based** [JLO20]. **graph-manipulating** [WCMH19]. **graphics** [DELT17, GYK+20]. **GraphIt** [ZYB+18]. **Graphs** [ASW23, CKN+23, BLSS21, DAY20, JBK22a, Mul22, PBS+17, RMH21, ZvAV22]. **greedy** [Ber17]. **Gries** [RLV20]. **Grisette** [LB23]. **Groovy** [Kin20]. **ground** [RWV19]. **Grounded** [BJP23]. **groupoids** [CKS22]. **guarantees** [BVG19, OMN+18]. **Guarded** [SFH+20, BGM21, MV19]. **guards** [GJS20, Rei17]. **Guide** [LVSZ23]. **Guided** [BDA20, JKXH23, LS23, 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]. **handcrafting** [JLO20]. **Handle** [BPPS18]. **handlers** [BPPS18, BPPS20, BSO18, BSO20, FKLP17, GLBP22, KKPS21, SBO20, XBH+20, XL21, XCIL22, ZM19, ZN21, dVP21]. **Handling** [Ahm18, CA18b, ZSM20, KRV19]. **happens** [MKV18]. **happens-before** [MKV18]. **harder** [HKGK20]. **hardware** [BGC18, CVS+17]. **harmonizing** [CCW18]. **Harper** [SJSM20]. **Haskell** [BBN+18, BSZL+18, CDD+19, HVH20, JGW+20, KFEJ19, KRB+21, LPR+20, WVdAE17, WCVE19, XPL+22]. **HDL** [FMG+20]. **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]. **help** [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, BOR18, CH19, GMS+23, JB23, JJR23, KFEJ19, MHLG23, PPSW20, PT23a, PvdR23, 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, ŚKV+18, SPKT18, SMC21, SC18, SG21, UST18, VMA19, WCD17, ZdSOS19]. **Higher-Order** [GMS+23, JB23, JJR23, MHLG23, PT23a, PvdR23, 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, ŚKV+18, SPKT18, SMC21, SC18, SG21, UST18, WCD17]. **higher-rank** [DK19]. **higher-ranked** [ZdSOS19]. **Highly** [HFS22, FKE+20]. **highly-concurrent** [FKE+20]. **Hindley** [MSI19]. **History** [RLS20, SHK+20, CB17, Hic20, Kin20, MHR20, MWW22, ML20b, Sym20, VHSS20]. **hoc** [JME20]. **HOL** [KP18b]. **Holes** [YGG+23, OVCH19]. **hood** [CDH17]. **Horn** [BOR18, END+18, JJR23, KSG22]. **Horn-ICE** [END+18]. **hot** [BBTK+17]. **hs** [BSZL+18]. **hs-to-coq** [BSZL+18]. **hull** [MMS+22]. **Hybrid** [GY23, EZYS22]. **Hygienic** [CW20]. **hyperproperties** [GMOO21]. **hypersafety** [DFD22].

I/O [SJL19]. **ICE** [END+18]. **IDEal** [SAB17]. **idempotence** [SJL19]. **Identifying** [VN18, FZSN20]. **identity** [LP20]. **idioms** [LSM+22]. **Igloo** [SKE+20]. **illogical** [HFS22]. **imaging** [AAM+21]. **impacts** [BPB+21]. **Imperative** [RSPC17, BCH+22, HWC+21, MCF+22, NPZ+20, PRT+18, QGG19]. **imperativity** [UdM22]. **implementation** [BCD22, CNRG19, GV19, XCB+18]. **Implementations** [FSX+23, DEO+20, LSA18]. **Implementing** [DD22, GSB19]. **implications** [FDvdHP22]. **implicit** [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** [CHH+23, yXZH+20]. **in-place** [Tit22]. **in-situ** [LSZ+20]. **incomplete** [BGG+20, MRdAP18]. **inconsistencies** [RH22]. **incorporated** [EJMmH17]. **Incorrectness** [O'H20, ZDS23, LRV+22, RBDO22, YJY22, ZdAG22]. **Incremental** [HPC18, YHW20, ZvAV22, HH20, KPSL18, LH22, PES20]. **Incrementalizing** [SBEV18, DRS21]. **independence** [ACMZ21]. **index** [PJD+21]. **Indexed** [AB23, DK19, GST+20]. **Indexing** [SWYZ22, SKD21]. **Induction** [PWK+22, HKGK20, San22]. **Inductive** [JKXH23, LC23, CH19, FSSW21, KKA19, LPP18, Lee21, MPB+22, VMA19, ZXSD21]. **inductive-inductive** [KKA19]. **industry** [CDD+19, TRWS22]. **Inference** [LRY23, LVSZ23, MRdAP18, 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, ŚKV+18, ŚKG18, SKB+22, Tej20, VTV18, WNC+19, XLD20, XEdSO20, ZdSOS19, ZDDJ21]. **inferred** [INN21]. **Inferring** [PKW17]. **infinitesimal** [Jac21]. **Information** [HSS23, AFF+18, DNFK22,

FISS20, HK22, Kav19, PSY+20, ZK22]. **Inhabitation** [AGK23]. **inheritance** [WSG+20]. **initialization** [AMT17, BL22, KLL20, LLB+20, WSH+19]. **Initialize** [WSH+19]. **inline** [CGL22, WSG+20]. **Inlining** [DPM23]. **input** [CPKG17, RGSNT17, WH19]. **insensitive** [GBTB21]. **instances** [BPPS20]. **instantiated** [CHJ+19]. **instantiation** [LMP18]. **instruction** [SBM20]. **Instrumentation** [WCBG17]. **Integer** [LZR23, LSM+22]. **integer-pointer** [LSM+22]. **integrated** [MT18, SKS+19]. **integrating** [IS18, RV18]. **Intel** [IDSW21, RLV20, RWNV20, RMV22]. **Intel-x86** [RLV20, RWNV20, RMV22]. **IntelliMerge** [SZZ+19]. **Intensional** [JR21]. **Inter** [TCJ20]. **Inter-theory** [TCJ20]. **Interact** [BJP23]. **Interaction** [CC23, yXZH+20, ADV21, SZ21, YW21, ZPZX21]. **Interactive** [GDM20, ABF20, FBP+21, KJJ+18, MDSM19, SSSC+22, ZGSN17]. **interfaces** [ZM17]. **Interleaved** [LZR23, KP22, LZR21]. **Interleaved-Dyck** [LZR23]. **interlocked** [SBM20]. **Intermediate** [KCB+23]. **intermittent** [MCL17, SJL19, SLJ20]. **Internalizing** [ACMZ21]. **Interpretable** [ZR21]. **Interpretation** [Lem23, BGMW20, BPPS18, CDG22, CS21, EHAO18, FSSW22, FDvdHP22, GLR+20, KE19, Kes22, LYU+22, LLSS22, MJ20, RMH21, ZYT+19]. **interpretations** [BGG+20]. **interpreter** [Tit22]. **interpreters** [AR18, CNRG19, DLNV17, KPE18, PRT+18, WDR18, WCR19, YZZ22, ZRH+20, vdRPR+22]. **Intersection** [DdVMY19, DFD21, XHdSO23, CL17, HdSO21, MSdSOK20, MPV18, MT18, WMW18]. **Interval** [WAPJ22, WWGW20]. **intervals** [SG21]. **Intrinsically** [PRT+18, RKV21, vdRPR+22]. **Intrinsically-typed** [PRT+18, vdRPR+22]. **Introduction** [OBS+22]. **intuitionistic** [Kes22]. **invariant** [FISS20, KCBR18, LFY+22]. **invariants** [END+18, FSSW21, PWK+22, WWC17]. **invertible** [MW20a]. **IR** [LWY+22, SSH+19, ZBY+21]. **IR-pass** [LWY+22]. **Iris** [GST+20, dVPJ20]. **irrelevance** [GCST19]. **Isabelle** [KP18b]. **Isabelle/HOL** [KP18b]. **iso** [ZdSOZ20]. **iso-recursive** [ZdSOZ20]. **Isolation** [KNJ+22, BKV+21, KNNJ18, LRS+20, LSC+22]. **isomorphism** [SdSCQ19]. **iteration** [SHW+20]. **itself** [JGMP22]. **IVT** [WHZ+19].

Jacobians [LYSM22]. **Java** [BP19, CNRG19, DRS21, LH22, MHN19, MKTD17, MV20]. **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]. **Julia** [BCG+20, BCC+18, NBP+18, PBC+21]. **Just** [BPP20]. **Just-in-time** [BPP20]. **JVM** [CSD+21, LMM17a].

Kahn [BM20]. **Kami** [CVS+17]. **Katara** [LPM+22]. **Kater** [KLV23]. **Keep** [FZL18]. **kernels** [MH21]. **Kind** [XEdSO20]. **Kindly** [RST20]. **Kinds** [DAJE20, CT19]. **Kirk** [HFS22]. **Kleene** [SFH+20, ZdAG22]. **knew** [RAT17]. **know** [BG18]. **Knowing** [RvAP+20]. **knowledge** [RAT17]. **Known** [SV23]. **Koord** [GHMM20]. **Kripke** [KHLD22].

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, AGK23, Mor19, YW19, YTO23]. **lambda-calculus** [BMP20, CdV20]. **Language** [LCT+23, PvAPV22, SKS+19, VLRH23, XTZ+23, AP20, AK20, BKKM21, BBN+18, BRS18, BBP20, BAP20, CPB+22, CC22, DSLH20, GDM20, GHMM20, HGJ20, HTLS22, JJKD18, KKCV17, 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** [KM23, RG23, WKN+23, ACF17, BKF20, BJC+22, COHY17, CKS22, CFD+17, DTM+18, Ell21, KPSL18, LCTS+20, MRG18, PRT+18, SPKT18, SDdSO22, XK21]. **large** [EHAO18, GDBK+21, HFS22, KMV19, LWW+20, LLZ+22]. **large-scale** [GDBK+21, KMV19, LWW+20, LLZ+22]. **larger** [RFH+22]. **late** [KMP19]. **Later** [SGT+22]. **Lattice** [HSS23, SBEV18]. **lattice-based** [SBEV18]. **lattices** [BKMMP19]. **law** [MCP21]. **Layered** [VMS+22, YZZ22]. **layering** [HT18]. **Layout** [CLO+23, BFV18, PETK19]. **laziness** [FZL18, GV19]. **Lazy** [DKPS23, HT18, ZXSD21]. **Leak** [JB23]. **leaks** [BGM19, GCY+20, VDvG+21]. **leaky** [JRB+22]. **Learning** [BOW+23, CKN+23, FSSW21, JLO20, KM22, KM23, MDBL20, SSC+17, SADC23, WWGW20, WLJ+23, WCC17, BSPC19, BPP20, CR19, COHY17, CWF+19, END+18, KLMM22, LWNN19, PS18, SZD+17, SC18, WCH+19, ZBG+22]. **Learning-based** [MDBL20]. **least** [MPB+22]. **left** [OBS+22]. **lemma** [BG18, LFY+22, SSSC+22, TLKC18]. **lemmas** [MPB+22]. **lenient** [CKT18]. **lenses** [HPC18, MMF+18, MFP+18, MMF+19]. **LER** [DS17]. **LER-notation** [DS17]. **Less** [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** [BKV+21]. **Leveraging** [AMPS19, RAT17]. **lexically** [BPPS20]. **Lexicographic** [ACN18]. **libraries** [DA18, GRS+21, LBH+18, LAGN21, MJ22]. **Library** [BOW+23, LB23, SL23, MRX+19, MNT20, WLH+17, ZDDJ21]. **lie** [GFFS17]. **life** [MW20b]. **Lifting** [FKRS23, LPM+22, SC20]. **lightweight** [ADN22, BSO20, SCK+20]. **like** [COHY17, SSK22]. **Limit** [XTZ+23]. **limited** [LL22]. **limiting** [CDG22]. **Limits** [EBP+23, KSP22]. **Linear** [LHC+23, LLZ+22, LZR23, 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, BBN+18]. **Linearizability** [DRV23, MK23, VSC23, EE18]. **Linearize** [RPF+23]. **Linearly** [SKB+22]. **link** [DA18, LJ20]. **Linked** [PNPW22]. **linking** [BDA20, SCK+20, SKE+20]. **linters** [HFS22]. **Liquid** [KWR+20, PSY+20, HVH20, VTV18, LPR+20]. **Liquidate** [HVH20]. **Lisp** [MS20]. **literal** [OA18]. **Live** [OVCH19, YGG+23, LCOC20]. **LiveDroid** [FZSN20]. **liveness** [BGM21, BMTZ21, PHL+18]. **living** [Mai17]. **LLVM** [LHJ+18, ZBY+21]. **Local** [CJ17, GGV+21, LLSS22, PBS+17, UdM22, dVPJ20]. **localization** [LZ17]. **localizations** [WCMH19]. **localizing** [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** [DPM23, KDR23, MCP23, MK23, PT23a, PMS+23, UTGK23, ZDS23, 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, GST+20, GBTB21, KyKS22, LSSO18, NSGH22, SLO19, TSKJB18]. **logics** [ABG+21, FNB+21, KM22, MHRV20]. **Logo** [SHK+20]. **longitudinal** [LWW+20]. **look** [SHJV20]. **loop** [DS17, GCS+18, PGIY20]. **loops** [KLO+22, MSBK22, SSK22]. **LooPy** [FBP+21]. **loving** [GM21]. **low** [BJC+22, HKGK20, LHJ+18, PZR+17, SGDL20]. **low-code** [BJC+22]. **low-level** [LHJ+18, PZR+17, SGDL20]. **Lower** [FCS+23, GJS20, HKGK20]. **LR** [YNIC19]. **LXM** [SV21].

m [Rei17]. **machine** [BBTK+17, BCD22, MRG18, Rot21, SVR17]. **machine-code** [SVR17]. **machines** [GTB22, IEC22, WDR18]. **macro** [CW20]. **Macros** [BKF20, CBTB20]. **made** [GJK+21, KKT19, PLSS17, Par20]. **MadMax** [GKJ+18]. **Makam** [SC18]. **Making** [LNO+21, TLM+21, XHdSO23, ACF17, JME20]. **management** [PVV+17]. **managers** [CG21]. **Manifest** [BP17]. **manipulating** [MMK+20, WCMH19, WGP+21, ZSL+22]. **Manipulation** [ZGHH23, MKC18]. **manipulations** [QSL17]. **manual** [PVV+17]. **many** [HFS22, KPSL18]. **map** [LMM+17b]. **marriage** [RRG+21]. **masses** [BSO18, ML20a, Pue17]. **match** [BBKO22, GJS20, JGMP22, JR21]. **matcher** [SJSM20]. **Matching** [LKM23, YGG+23, BGWXP22, CR20, CTR+20, CA18a, Tej20, THL+20, ZWWT22]. **math** [LAGN21]. **math.h** [LSA18]. **Mathematical** [GMS+23, BGK+22]. **MATLAB** [ML20b]. **matter** [MTDC19]. **means** [AG20]. **Measurable** [EPT18]. **measure** [Jac21]. **measurement** [XLD20, ZR21]. **mechanical** [ZdSOS19]. **Mechanized** [BBP20, GBTB21, TB19, BL22]. **meets** [DJKD20, KCL22]. **Memory** [KLV23, MGB+23, SL23, ZCH23, 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]. **merge** [CBA17, SDL18, ZH18]. **Mergeable** [KPSJ19]. **merging** [PNWT22, SZZ+19]. **Merlin** [BRS18]. **Message** [DFLL23, Wad17]. **Message-Passing** [DFLL23]. **messages** [WCC17]. **messaging** [MAN17]. **Meta** [KM23, KHLD22, WCR19]. **meta-programming** [KHLD22, WCR19]. **Meta-theorem** [KM23]. **metaprogramming** [EUR+17, JGMP22]. **Metatheory** [KLV23, FS22]. **method** [BCG+20, JBK22a, KH21, WHZ+19]. **Methodology** [FSX+23]. **methods** [LF18]. **microarchitectural** [RH22]. **Microservice** [KZA+23]. **Migrating** [CCEW18, GJK+21]. **migration** [GTT21, PCAGG21]. **Milner** [MSI19]. **Minimality** [XTZ+23]. **Minimization** [JW23]. **mining** [KNNR17]. **misconfigurations** [ZPZX21]. **mismatches** [HFS22]. **missed** [CKP22]. **mitigating** [BPB+21]. **mix** [PT20]. **Mixed** [LMZ19, Chl21]. **ML** [MHR20, WR18]. **MLstruct** [PC22]. **mobile** [FZSN20, RFH+22]. **modal**

[BGM19, GSB19, KJJ+18, OLE19, RRG+21, VRC22, ZN21]. **Modalities** [Kav19, AB20]. **modality** [SGT+22]. **mode** [KJK+22, RSY21]. **Model** [KLV23, MKV22, MPB+22, SVR17, 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** [TU22]. **model-finding** [DNFK22]. **Model-guided** [MPB+22]. **Modeling** [MH21, BKPS18, JWJ+21, LGTS20, SMC19, SGL+21]. **Models** [BJP23, DFLL23, KMO23, 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** [WCD17]. **modes** [BP19, LN22]. **Modification** [SU23]. **Modular** [HFCG19, KO23, NPWW22, NGR+22, PETK19, PvdR23, TGSM19, UTGK23, WBM+21, ZBY+21, AMPS19, AMS20, CVS+17, GGN+21, LW22b, ŚKG18, SCK+20, WCR19]. **modularity** [AGR+20]. **module** [Cra19]. **modules** [EHAO18, HH20]. **Modulo** [LL23, ASD+21, KSG22, MR22]. **Modus** [MSdSOK20]. **Moebius** [JGMP22]. **moment** [MSBK22]. **monad** [JDT22]. **Monadic** [BH22, Cho22, RBG+18, SLDN17, FKLP17, TSKJB18, YZZ22]. **Monads** [DKPS23, AHLM20, HT18, Hir19, yKMUW22, KHLD22, MAA+19, SZ21]. **monitoring** [EE18]. **monitors** [CMP20, FSK+22, GFD19]. **MonkeyDB** [BKV+21]. **monomorphisation** [EZYS22]. **monotone** [FSSW22]. **monotonic** [AFH+18]. **MOOC** [CDH17]. **morphisms** [NBDF19]. **MoSeL** [KJJ+18]. **Mossad** [DMB20]. **mostly** [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]. **must** [GM21]. **must-alias** [GM21]. **mutation** [BDG+22, LWY+22, PWZS21]. **mutations** [WZS20].

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]. **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]. **negation** [BMP20]. **negative** [BGHT22, BPB+21, CS21, DNFK22]. **nested** [SSK22, WYFA20, ZA22]. **nested-parallel** [WYFA20]. **NetKAT** [VS20]. **nets** [Kes22]. **Network** [WLJ+23, BGMW20, GSW21, MMS+22, WWGW20]. **networked** [SEP+20]. **networks** [LWNN19, USM22, UCWZ20, WAPJ22]. **Neural** [DAY20, JPR22, BLF+19, LWNN19, MCF+22, MMS+22, USM22, UCWZ20, WWGW20, WAPJ22]. **neural-backed** [BLF+19]. **neural-guided** [MCF+22]. **Neurosymbolic** [BJC+22, SEG+22]. **never**

[KMP19]. **Newly** [GM21]. **Newly-single** [GM21]. **next** [MHRV20, PA19b, CNH20]. **night** [BPPS20]. **NK** [VS20]. **No** [DMS17, KHLD22]. **No-brainer** [DMS17]. **nominal** [MT21, Rot21, WZSK22]. **nominally** [MT17]. **Non** [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** [UST18]. **Non-linear** [KCBR18, LMZ19]. **Non-recursive** [LC23]. **non-strict** [KPH22]. **non-temporal** [RMV22]. **non-termination** [LAF+20]. **non-volatile** [CFL17, CAL18]. **Nondeterminism** [AB23]. **Nondeterministic** [CHH+23, WZS19]. **Noninterference** [HP23, AB19, GBTB21, ZR21]. **Normalization** [AVW17, VRC22, BP18, ETG19]. **notation** [DS17, OA18]. **novice** [SSC+17]. **nullable** [MvdP21]. **number** [LYSM22, SV21]. **Numbers** [SV23]. **numerical** [CN22, SPV18].

O [SJL19]. **Object** [CAL18, 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** [LX19]. **object-sensitivity** [RKS18]. **Objective** [CNH20]. **Objective-C** [CNH20]. **Objects** [ZGHH23, BGWXP22, EJMmH17, GAGG+18, LyXK+22, LF18, WHZ+19]. **Oblivious** [YD22, DSLH20]. **observability** [AC20]. **Observational** [PT22, PT23b, ML21]. **Obsidian** [CAMS20]. **OCaml** [BRS18, CDH17, LJ20, MJP20, SDW+20]. **occurrence** [CLNL22]. **Once** [RPF+23, WSH+19]. **One** [BCB21, KPSL18, LN22]. **Online** [GAGG+18, DLC22, TBB+19]. **Only** [RPF+23, BBTSTH17]. **onto** [SDW+20]. **op** [NGR+22, WMM20]. **op-based** [NGR+22, WMM20]. **Operational** [GMS+23, SL23, HH18, Hir19, KKSL22, Mai17, PFD+18]. **Operations** [XHdSO23, EWR19, MHN19]. **operator** [WZS20]. **opportunities** [VN18]. **optics** [BG18]. **Optimal** [AAJN18, AAJ+19, CCP18b, GTU23, KSP22, MPV21, SFRM20, WLJ+23, BP18, KMGV22]. **optimisation** [LJ20]. **Optimised** [LRY23]. **Optimization** [BSRC19, CWG+22, FMTSL20, HHT20, LBCRK22, MV20, MOP21, SZD+21, VCD+21]. **optimizations** [BPB+21, CKP22, FSY+18, GSS+22, HLK+20, LHJ+18, LP20, PLA21, PP20, SHdM20, SSH+19]. **optimize** [RAT17]. **optimized** [MA18]. **optimizer** [HRH+21]. **optimizing** [BCG+20, Mai17, OUM18]. **Oracle** [JKXH23, ZGS+22]. **Oracle-free** [ZGS+22]. **Oracle-Guided** [JKXH23]. **oracles** [LVH+22]. **Orca** [CFD+17]. **Order** [DFLL23, GMS+23, FAM23, JB23, JJR23, MHLG23, PT23a, PvdR23, 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, ŚKV+18, SPKT18, SMC21, SC18, SG21, UST18, WCD17]. **order-aware** [HKVR21]. **Order-Theoretic** [FAM23]. **Oriented** [ZGHH23, CAL18, FG18, FRS+21, GRS+21, JO22, KEW+20]. **Origins** [BAP20, CNH20]. **ornamentation** [WR18]. **other** [MM19]. **ours** [JLP+20]. **out-of-gas** [GKJ+18]. **out-of-order** [GCY+20]. **out-of-thin-air** [OD18]. **Outcome** [ZDS23]. **output** [DNFK22, GRS+21, KNSA20]. **output-oriented** [GRS+21]. **overflow**

[TML+22]. **overhead** [MV20]. **Overloading** [RHdSOZ23]. **Overwatch** [ZBG+22]. **Owicki** [RLV20]. **ownership** [CAMS20]. **Oz** [VHSS20].

P [GS17, VS20]. **P/Taint** [GS17]. **p4** [DAB+21]. **packet** [LW22b]. **page** [PETK19]. **pairs** [NA18]. **paradigm** [BGK+22]. **Paradoxes** [Jac21]. **Parallel** [ASW23, DHP18, AJRG21, AWA21, AG20, CSM+17, Ell17b, FJM19, HKVR21, KVT20, MP21a, MRG18, Mul22, SLDN17, UCWZ20, WYFA20]. **parallelism** [KRV+21, MA18, MAH18, MWA19, PJD+21, RLS20, SDW+20]. **parallelism-preserving** [PJD+21]. **Parallelization** [DTM+18, Mor19]. **Parameterized** [AAR20, JWJ+21]. **Parametric** [HH18, NVD17, CHJ+19, CVS+17, KPSL18, PvAPV22]. **Parametricity** [DPP18, AJSW17, AB19, LTTD22, NJA20, TTS18, TLT19]. **parse** [SEG+22]. **parser** [JKT21, WWP20]. **Parsing** [DA20, GP22, HBP19]. **Partial** [DFLL23, JME20, 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, 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]. **Pattern** [YGG+23, BGWXP22, CA18a, DRS21, GJS20, JGMP22, JR21, Tej20]. **pattern-match** [GJS20, JR21]. **patterns** [SGD17, ZBG+22]. **Paxos** [PLSS17]. **payment** [WZS19]. **PCF** [MP21b]. **pearl** [ACF17, BH22, Ber17, BG18, BBRM17, Cha20b, Chl21, DLNV17, DA20, DMS17, HLK+20, HdSO21, KSSL18, Par20, PA19b, Per18, PH21, Ram22, SAFF+17, SC18, SJSM20, SB19, UdM22, WDR18, YF18]. **penultimate** [WZD+19]. **per-path** [ZYT+19]. **perfect** [SMTH20]. **Perfectly** [UCWZ20]. **performance** [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]. **Persistence** [Pue17, RV18]. **Persistency** [RWNV20, KL21, KKRV21, RV18, RWV19, RMV22]. **Persistent** [KRB+21, RLV20, AAB+21]. **perspective** [CLPS19]. **perturbation** [ASMS20]. **Petr4** [DAB+21]. **phases** [UAM17]. **physicist** [KH21]. **pi** [DdVMY19]. **pi-calculus** [DdVMY19]. **pipeline** [LW22b, RK22]. **pipelines** [AAM+21, HKVR21, MV20, Spi17]. **Pirouette** [HG22]. **Pixel** [SADC23]. **place** [Tit22]. **placement** [PGFP17]. **plagiarism** [DMB20]. **PlanAlyzer** [TBB+19]. **plane** [ECK+22]. **planes** [BGMW20, DAB+21, GSW21]. **platform** [CVS+17]. **platforms** [PP22]. **Plausible** [LTTD22]. **play** [BS17]. **Plotkin** [BM20]. **point** [Ada19, LAGN21, PJD+21, ZZX+20, ZGS+22]. **Pointer** [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]. **Policy** [HP23, PWSD20]. **polling** [BC18]. **Polyadic** [MPV18]. **polyhedral** [CL21, YAC21]. **Polymorphic** [MvdP20, PHSR19, BBN+18, ISI17, STI20, WHZ+19, ZdSOS19]. **Polymorphism** [FAM23, BSO20, DK19, HH18, OUM18, ST21, ZM17]. **Polynomial**

[GHMM23, HP23, LN22]. **Pomsets** [JJR20]. **Ponens** [MSdSOK20]. **pools** [BMTZ22]. **portable** [SSH+19]. **positive** [DFD21, DNFK22]. **POSIX** [GB20]. **possible** [BCRA18]. **Possibly** [FCS+23]. **post** [LJ20, ZK22]. **post-link** [LJ20]. **Power** [DGGM23, FKLP17, KPP21, MKV18, TLM+21]. **powered** [CWG+22]. **PPI** [CNH20]. **PPI/Stepstone** [CNH20]. **Practical** [AMT17, EC22, 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** [EWR19, GPP+21, JJO18, LGTS20, XLD20, CVG+17, MMS+22, SCJG21, SGL+21, SAB17, SCZW20, TLM+21, WCH+19]. **Precision** [LTMS18, LX19, LWUD21]. **Precision-guided** [LTMS18]. **Precision-preserving** [LX19]. **preconditions** [JJR20]. **predicate** [SB19, YHW20]. **prediction** [KP18a, KFM21, MPV21, Mul22, Pav20]. **predictive** [GRXB19, MKV18]. **preemptive** [LRS+20]. **Prefix** [LS23]. **Prefix-Guided** [LS23]. **Presburger** [PUW+21]. **presence** [BCG+20, TSKJB18]. **presentations** [yKMUW22]. **Preserving** [DPM23, LVSZ23, BBG+20, BCRA18, FZSN20, LX19, MPV21, PJD+21, SFH22]. **pretty** [Ber17]. **preventing** [ZPG+17]. **PRIMA** [MMS+22]. **Primal** [UTGK23, PWK+22]. **Primal-Dual** [UTGK23, PWK+22]. **principal** [Par20, PC22]. **Principality** [DR19]. **principled** [BL22, WR18]. **principles** [DNFK22]. **printer** [Ber17]. **printf** [Ada19]. **priorities** [CFLH+22, MAH18]. **priority** [LSC+22]. **privacy** [ADN22, AH18, BCK+21, NDA+19, SKS+19, WCHRP17, ZRH+19, ZRH+20]. **privacy-aware** [SKS+19]. **private** [SA19, ZHL+20]. **Probabilistic** [AB23, BZSL19, CMcS23, DWH23, FCS+23, LRY23, LHSM23, LVSZ23, SSSW21, 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** [Jac21]. **probability** [JSXH20, SFRM20]. **problem** [KNNR17]. **Problems** [BGC23, DZ23, BBRM17, LY18]. **ProbNV** [GSW21]. **processes** [KMP19, XCB+18]. **processing** [DLC22, KNSA20, KM20, SLDN17, SFVJ19]. **processor** [ZR21]. **processors** [SBM20]. **produce** [LN22]. **products** [WMM20]. **Profile** [HMP+22]. **profiler** [BVG19]. **profiles** [PJP+18]. **profiling** [MOP21, ZHL+20]. **profunctor** [BG18]. **Program** [CRMA20, GJJ+20, KTST23, LW22a, LCT+23, LCOC20, MRX+19, SV23, WDS18, WL23, XTZ+23, YSHZ21, 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** [ZGHH23]. **Programmers** [BJP23, AMP+20, LC21]. **Programming** [AJRG21, AC20, CGL+23, CMcS23, DKPS23, DWZ20, LZR23, LB23, PGIY20, SWT18, 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, KHLD22, 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, ŚKG18, SNJ+19, SFVJ19, SHSO22, SZD+21, SMC21, SLO19, SM19, SC18, VLG21, VMA19, VHEZ21, WZD+19, WCR19, Yal17]. **Programs** [CHH+23, DTSLT23, FKP23, FCS+23, GHMM23, LHC+23, LC23, LRY23, LHSM23, 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, WFC+20, WZSK22, WGP+21, WYFA20, yXZH+20, YMDW21, YJY22, YMC22, ZA22, ZSL+22, ZGS+22]. **Progress** [LF18, SSR+21]. **Project** [PVV+17]. **Projection** [GY23, LZY+20, NA18]. **Projection-based** [LZY+20]. **Prolog** [SC18]. **Promises** [GJK+21, AZMT18, MLT17]. **Proof** [KMO23, LCT+23, MK23, 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** [GSF+23, GTU23, KMO23, AH18, AAC+18, AG20, BHY+20, BP21, FV20, KPE18, KJJ+18, KPP21, LAF+20, LMP18, SSSC+22]. **propagation** [Lee21, SFH22]. **properties** [AKK+21, ASMS20, BZSL19, BMTZ21, BGG+20, OCDR17, TGSM19]. **Property** [FSSW22, JPR22, LHP19]. **Property-directed** [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]. **Protocols** [GSF+23, BSRC19, CPY20, CFL17, FSD21, FSK+22, Mai17, PLSS17, SWT18, ZFH+20]. **Prototyping** [AHM+17, SC18]. **provable** [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, FKE+20, WFC+20, JBK22a, LSA18, SWT18, SM19, TSKJB18]. **pruning** [MKLR20]. **pseudorandom** [SV21]. **PSO** [BCG+21]. **PSPACE** [AAR20]. **PSPACE-complete** [AAR20]. **pure** [SHdM20]. **purely** [UdM22]. **Purity** [JDT22, CK20, YMC22]. **push** [BC18, KMLD20]. **pushdown** [JKT21]. **Pushing** [XTZ+23].

qualified [SKB+22]. **qualitative** [LMÖ+22]. **quality** [GS22]. **quantifier** [LMP18]. **quantifiers** [NVD17]. **Quantitative** [AGK23, GD23, OLE19, ZK22, LMÖ+22]. **Quantum** [HHT20, HK22, JKL+22, KO23, LLSS22, PP22, VLRH23, YJY22, YC22, YMC22, ZBS+23, BHY+20, CdV20, HRH+21, KH21, LY18, LZY+20, LVH+22, MSRH20]. **quasiquotes** [PVSK18]. **Qubit** [SdSCQ19]. **Queries** [ZMSD23, CPB+22, SKS+19, WCB18, ZA22]. **Query** [WLJ+23, AHM+17, KM20, RS20, YWDD17]. **Question** [JKXH23]. **queue** [MJ21]. **quick** [SHJV20]. **QuickChecking** [MJK+17]. **QuickSilver** [JWJ+21]. **Quipper** [FKRS23]. **Qunity** [VLRH23].

quotient [KKA19, MMF+18].

R [Cha20a, GV19, GJK+21, GDBK+21, TGKV20]. **Race** [AZMV23, AMT17, BGOS18, GRXB19, MKV18, Pav20, WCBG17]. **RacerD** [BGOS18]. **races** [MPV21]. **Racket** [FDD+19]. **Racketensis** [SAFF+17]. **radio** [Mai17]. **Raising** [WKH20]. **RAM** [KSS20]. **Random** [HTLS22, LBR20, MN18, OMO19, WCGC18]. **Randomized** [OMN+18, WBdG+23, SLHR22, WFC+20]. **randomness** [GP22]. **rank** [DK19]. **ranked** [ZdSOS19]. **ranking** [ACN18]. **rational** [NBP+18]. **RaTT** [BGM19]. **Reachability** [BWB+21, KD23, LZR23, AAB+21, CCP18b, CMS22, FSSW22, KP22, LSDZ22, LZR21, LSZ22, Mil20, SWYZ22, TGSM19]. **Reactive** [BC18, DTSLT23, BGM19, BGM21, DMSM18, PN17, Per18]. **read** [PGIY20]. **reads** [AAJ+19, BCG+21]. **reads-from** [AAJ+19, BCG+21]. **Ready** [BSZL+18]. **real** [BSZL+18, LRV+22, LSM+22, SMC19]. **real-world** [BSZL+18, LSM+22]. **reasonable** [ADV22, FKR20]. **Reasonably** [OA18, MLBTT22, PTFT19]. **Reasoning** [ABIK22, ADZ17, LyXW21, YW21, ZA22, ZDS23, 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** [Coh18, MW20b]. **recommendation** [LYB+19]. **reconciled** [BCC+18]. **Reconciling** [HSS23, LHJ+18, VCD+21, KRV+21]. **reconfigurable** [ABIK22]. **reconstruction** [NBP+18]. **Record** [XHdSO23]. **Recovering** [CK20]. **recovery** [CAL18]. **Recurrence** [KMLD20, AKK+21, CLD20, INN21]. **Recurrences** [WL23]. **Recursion** [ADH+23, LL23, BGM21, CGM18, WCGC18, ZA22]. **recursions** [SSK22]. **Recursive** [CHH+23, CMcS23, LC23, ZZdSO23, KSG22, LMZ19, MNB+22, MV19, PMD21, Ram22, RSY21, SSK17, WBW+20, yXZH+20, ZdSOZ20]. **reducible** [RMH21]. **Reducing** [PHL+18, KSP22]. **Reduction** [AHLM20, XTZ+23, CCP+18a, CPT19, KMGV22, Mil20, Mor19]. **Reductions** [FV20, YAC21]. **redundancy** [DS17, LSDZ22]. **refactoring** [CWG+22, SZZ+19, VN18]. **refactoring-aware** [SZZ+19]. **Reference** [LL22]. **references** [Jab20]. **Refinement** [CT19, CLO+23, PMS+23, RKS18, SCL+23, VTC+18, AKL19, CJ17, GJJ+20, JR21, PSW21, SKE+20, SNCM19, TML+22, UST18, VVB22, WDS18]. **refinements** [LPR+20, RBG+18, ZFH+20]. **Reflection** [SHTZ+19, FKLP17, KCL22, VTC+18]. **Reflection-aware** [SHTZ+19]. **Refunctionalization** [WDR18]. **Regex** [CFLH+22, THL+20]. **Regex-dependent** [CFLH+22]. **Regions** [WJS23]. **regression** [SHTZ+19, YHW20]. **Regular** [HGJ20, LKM23, AKK+21, PHXD19, SJSM20]. **regular-expression** [SJSM20]. **reinforcement** [CWF+19]. **related** [CSD+21]. **relation** [TSKJB18]. **Relational** [AKL+23, BHY+20, CWF+19, GHHW18, MvdP21, QGG19, WWD18, ZWWT22, ABG+17, ASMS20, BFV18, BPPS18, DG22b, FMTSL20, HPC18, MHRV20, RBG+18, TB19, WCB18]. **Relations** [AB23, BDS23, AKL19, GST+20, GBTB21, INN21, KyKS22, LPP18, MJ20]. **Relatively** [BKKM21, UST18]. **Relativization** [PT23a]. **Relaxed** [SL23, DJKD20, DJR18, JJR20, JRB+22]. **relaxed-memory** [JRB+22]. **release** [AAJN18, DD22, YM21]. **release-acquire** [AAJN18, YM21]. **Relevant** [KMO23].

Reliable [BKN19, KKCV17]. **reloaded** [SM19]. **Relooper** [Ram22]. **repair** [BJC+22, PHXD19, SEG+22, ZGS+22]. **ReplaceAll** [CCH+18]. **replacement** [SKR20, WYT+22]. **replacing** [VN18]. **replaying** [KSSL18]. **replicated** [KPSJ19, LRGC19, LPR+20]. **replication** [KESJ18]. **report** [ACM+18, AHM+17, BRS18, BS17, BSZL+18, CDD+19, FDD+19, HP19, HTLS22, RK22, TRWS22, YW19]. **Representation** [KCB+23, ACMZ21, LWNN19]. **representations** [KRV+21, LN22]. **Representing** [CHH+23, yXZH+20]. **reset** [BBP20, WZD+19]. **Resolution** [MSdSOK20, BXMS19, RvAP+20, ZGSN17, ZH18]. **Resolvable** [PCHB23]. **resolve** [KNNR17]. **resolved** [EDWL21]. **Resource** [DWH23, HVH20, KH21, KWR+20, MSRH20]. **Resource-Aware** [DWH23]. **resourceful** [SGT+22]. **resources** [DMS22]. **responsive** [MWA19]. **Restricting** [AM17]. **restriction** [STI20]. **results** [LN22, OD18]. **Rethinking** [KEW+20]. **Retrofitting** [SDW+20]. **Return** [JO22]. **reusable** [KE19]. **reuse** [BPB+21, DFS18, LL22]. **reusing** [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, HGJ20, NAJ+20]. **Rich** [BEM+21]. **rig** [CKS22]. **right** [MAH18, OBS+22]. **ring** [SHSO22]. **RNN** [KSS20]. **road** [CKP22]. **robot** [RFH+22]. **robotics** [GHMM20, MYZ20]. **Robust** [ASW23, BFV18, SGD17, SMC19]. **Robustness** [SADC23, MEND22, ML21]. **role** [CHJ+19, WCVE19]. **role-parametric** [CHJ+19]. **roles** [FG18]. **root** [BFSK20, WMW18]. **rounded** [LAGN21, LN22]. **rounding** [LN22]. **rows** [MM19]. **RRB** [Pue17]. **RRB-vectors** [Pue17]. **Ruby** [KFM21]. **Rule** [BGC23, MMKK18, NWZ+21, SZD+17]. **rules** [GS22, LA21]. **runST** [TSKJB18]. **runtime** [DdVMY19, FZSN20, LZY+20]. **Runtimes** [BKK+23, SM20]. **Rust** [HP22, AMPS19, AMP+20, ESDH21, EBP+23, JJKD18, JDKD20, LHC+23, PXA+21, WBM+21, YDJD21]. **RustBelt** [DJKD20, JJKD18]. **Ryū** [Ada19].

S [Cha20a]. **Safe** [EBP+23, FSX+23, KESJ18, LW22b, MGB+23, VVB22, 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** [KP18b, ZCH23, CCW18, FV20, FJM19, GTB22, JR21, MMK+20, PHL+18, PXA+21]. **same** [CY19]. **Samples** [AZMV23]. **sampling** [ABM+21, SFRM20, ZYT+19]. **sandboxing** [PWSD20, SGDL20]. **SAT** [GXD20]. **Satisfiability** [MR22]. **Satune** [GXD20]. **saturation** [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+23, CDH17, HVM20]. **scan** [Ell17b]. **schedulers** [LRS+20, WBS+22]. **scheduling** [AAM+21, LBCRK22, Mel19, RvAP+20, SBM20]. **Scheme** [FDD+19]. **schemes** [BCK+21, CGM18]. **science** [Cha20a]. **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** [JPR22, KW21, LYB+19, PWK+22, PKSW21, TU22]. **Searching** [KGdV+22]. **second** [FS22, Ham17]. **second-order** [FS22, Ham17]. **SecRSL** [YM21]. **Secure** [AFF+18, FSX+23, HC21, VCD+21]. **securing** [JJKD18]. **Security** [MHLG23, LZ18, YM21]. **Segal** [CK18]. **Selection** [BGC23, JKXH23, RAJ+17, SHTZ+19]. **Selective** [MLMD19, TLM+21, WWP20]. **Semantic** [VLG21, JRB+22, LMÖ+22, PMD21, PvAPV22, WWGW20]. **semantically** [JDT22]. **Semantics** [DK20, GMS+23, JKL+22, KHDR21, SSS+23, AAJN18, ABG+21, AAC+18, BBP20, BGJ+21, CY19, Chl21, CEEW21, DLNS21, FBG20, GJK+21, GLPS+20, GB20, HT18, HC21, Hir19, IDSW21, KMP19, KKRV21, 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]. **sensitive** [LH22, LX19, PP20, SWYZ22, SZ21]. **sensitivity** [ABH+21, BEG+18, JO22, JJCO17, LTMS18, LX19, RKS18, TLM+21, WFC+20]. **separate** [WXWS20]. **separating** [LLSS22, YDJD21]. **Separation** [Cha20b, DPM23, MCP23, MK23, PMS+23, 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, BP17, CY19, CPY20, CHJ+19, DHP18, FLMD19, HBK20, ITVW17, JBK22b, SY19, TV20, VHEZ21]. **session-type** [HBK20]. **sessions** [CP22, FDvdHP22, GPP+21, MP17, QKB21]. **set** [BSZL+18, THL+20]. **Sets** [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** [BP17, BDG+22, EJMmH17, WHZ+19, XCB+18]. **SHARP** [LH22]. **shell** [GB20]. **shielding** [VREV19]. **shift** [WZD+19]. **shift/reset** [WZD+19]. **shifting** [LKS+20]. **Shiftry** [KSS20]. **shot** [WCH+19]. **should** [CSM+17]. **side** [BZKT21, CY19, GCY+20]. **side-channel** [GCY+20]. **sides** [CY19]. **Signature** [STI20]. **signatures** [AHLM20]. **SigVM** [ZBS+22]. **silent** [ZPZX21]. **Silver** [CLO+23]. **Simple** [AB19, AP20, BCD22, Ell18, JJR20, Par20, RKHL17]. **Simplicitly** [OBL+18]. **simplification** [Mor19]. **Simplifying** [PFD+18, YAC21]. **Simply** [BGM19, BMP20]. **SimTyper** [KFM21]. **simulation** [BS17]. **simulations** [NBDF19]. **Simuliris** [GSS+22]. **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]. **sketches** [YMDW21]. **sketching** [LCOC20]. **Skip** [CB17]. **Skipping** [Chl21]. **slicing** [RKS18]. **small** [GTF+20]. **Smalltalk** [Ing20]. **Smalltalk-72** [Ing20]. **smart** [AGR+20, BEM+21, CGL22, CWG+22, GKJ+18, GLTS22, GAGG+18, SNJ+19, SGL+21, WZS19, ZBS+22]. **Smoothness** [LRY23]. **SMT** [BGC20, BGC23, MR22, PWZS21, SFH22, TCJ20, VTC+18, WZS20]. **SMT-based** [BGC20]. **snapshot** [ÖN22]. **snapshots** [GFFS17]. **snowflake** [PVV+17]. **Soft** [NGTHV18]. **Software** [DA18, TU22, DMB20, FF20, KRB+21, SZZ+19, SScWS19, ZHL+20]. **solid** [SMC19]. **Solidity** [CGL22, TML+22]. **Solo** [ADN22]. **SolType** [TML+22]. **solvability** [AG22]. **solved** [HJL+18]. **Solver** [BGC23, PCAGG21, RGSNT17, WLH+17, dVPJ20]. **solver-aided** [RGSNT17, WLH+17]. **Solver-Based** [BGC23, PCAGG21]. **solvers** [PWZS21, TCJ20, WZS20]. **Solving** [BGC23, CFLH+22, GTU23, KSG22, UTGK23, WL23, BBRM17, MR22, SFH22]. **Sound** [BDCN20, BBTSTH17, DK19, EE18, KP18a, KE19, LHSM23, LVSZ23, MT17, SMC19, GRXB19, KFM21, LCTS+20, MNTHV21, Pav20, RvAP+20, YMC22]. **Soundly** [MGB+23, SKE+20]. **soundness** [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** [CKA18, CA22, GTF+20, HHY+21, KNNR17, SHW+20]. **spatial** [OCDR17]. **specialization** [BP18, FCY+20]. **specialization-safe** [BP18]. **specific** [BKF20, BGC18, JLO20, PLS+19, SDdSO22]. **Specification** [AKL19, FSX+23, GY23, MJ22, AMPS19, CVS+17, GGN+21, KHLD22, KNNR17, Rei17, WVdAE17, WBM+21, XPL+22]. **Specification-guided** [MJ22]. **Specifications** [BGM+23, BNS20, BDYG+21, BEM+21, GDM20, HWC+21, MEND22, MRX+19, NPZ+20, RvAP+20, SZD+17, SZ21, SCMS20, WCH+19, ZDDJ21]. **Specifying** [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]. **split** [AGLK18]. **splits** [HdSO21]. **splittable** [SV21]. **SPMD** [RLS20, RMH21]. **spotting** [HFS22]. **spreadsheet** [BBZ18]. **spreadsheets** [IS18]. **Spy** [dVPJ20]. **SQL** [BCH+22, ZXSD21, ZMSD23]. **SQLizer** [YWDD17]. **Squeak** [Ing20]. **SSA** [Lem23]. **ST** [JDT22]. **stability** [GCS+18, PBC+21]. **Stable** [MJ20, EPT18]. **stack** [BKN19, GTB22, SDB19]. **Stacked** [JDKD20]. **stage** [JGMP22]. **Staged** [Kov22, WCR19, WWP20, Yal17]. **stages** [SMM17]. **Staging** [XPL+22, WBTR20]. **Stainless** [HVK19]. **Standard** [MHR20]. **start** [WSH+19]. **state** [AFH+18, FZSN20, IEC22, RC21, TSKJB18, VN18]. **stateful** [BGJ+21, NGTHV18]. **stateless** [AAJN18, AAJ+19, KLSV18, KRV19, KMGV22]. **Static** [EHAO18, Mul22, PGFP17, SMM17, SNCM19, ZPZX21, ADN22, BGC20, BGOS18, JTD21, LGTS20, LYSM22, MRdAP18, MOP21, PvAPV22, SHTZ+19, SGL+21, YvGK18, ZGSN17]. **Statically** [ABM+21, PCHB23, ZFH+20, CHJ+19, DA18, LC21, NDA+19, PVSK18]. **statically-typed** [CHJ+19, LC21, PVSK18]. **Steel** [FRS+21]. **SteelCore** [SRF+20]. **Step** [AB23, BS17, GST+20, SKD21]. **step-by-step** [GST+20]. **Step-Indexed** [AB23, GST+20]. **step-indexing** [SKD21]. **Stepstone** [CNH20]. **StkTokens** [SDB19].

stochastic [LYRY20]. **storage** [FMTSL20]. **stores** [LRGC19, RMV22]. **strangers** [CSM+17]. **strategies** [HLK+20]. **Strategy** [FK18]. **Stratified** [FKP23]. **stream** [KNSA20, MV20]. **streaming** [AYB+22, KM20]. **StreamQL** [KM20]. **streams** [ABM+21]. **Strict** [HT18, GJK+21, KPH22]. **String** [DGGM23, HJL+18, CCH+18, CFLH+22, TCJ20]. **stripped** [DAY20]. **stroll** [SAFF+17]. **Strong** [SJSM20, BBBK17, BVG19, BCD22, GKMB17]. **strongest** [ZK22]. **strongly** [HKSS21]. **Structural** [RK22, BAY20, Hir19, JSXH20, LYB+19, MS19, MT21, PC22]. **Structurally** [LC23]. **Structure** [GLR+20, Coh18, QSL17]. **structured** [EWR19, MGT21, Ram22, ZH18]. **Structures** [DKPS23, CHJ+19, FBP+21, KSW18, MW20b, PKSW21, WCMH19, WBW+20, YC22]. **students** [WC17]. **Study** [Rot21, BFSK20, CSD+21, CGL22, CAMS20, GDBK+21, GCS+18, KMV19, LWW+20, MHN19, PP22]. **Style** [MSBO23, 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** [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** [DFD21, HFCG19, MMKK18]. **surviving** [GKJ+18]. **swapping** [SdSCQ19]. **swift** [BSRC19]. **Symbolic** [CKT18, Ell21, LB23, NcS17, SGL+21, SLHR22, 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** [FSK+22, MPV21, Mel19]. **synchronization-preserving** [MPV21]. **synchronizing** [DTM+18]. **synchronous** [BBP20, CY19, GTT21]. **synchrony** [DWZ20]. **synergistic** [MR22]. **syntactic** [PKW17]. **syntax** [ABF20, FS22, KPSL18, YNIC19]. **syntaxes** [AAC+18]. **synth** [PGIY20]. **Synthesis** [BNS20, BGC23, BOW+23, CWG+22, DTSLT23, GHMM23, JKXH23, KO23, LC23, WDS17, WLJ+23, 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, MMF+18, MFP+18, MMF+19, SKR20, SZD+17, SA19, END+18, GXD20, LPM+22, PJP+18, YMDW21]. **System** [SU23, CEEW21, CFD+17, HWC+21, JGMP22, KPP21, LLB+20, MAN17, NDA+19, NAJ+20, PWSD20, RSY21, SScWS19, SKE+20, UST18, WKS18, HVK19]. **systematic** [PES20]. **Systems** [PMS+23, WJS23, AB20, ABIK22, BHP+19, CB18, CBTB20, CAMS20, DFPG21, DPQS18, GKMB17, HKSS21, IDSW21, JWJ+21, LWUD21, LLZ+22, LMÖ+22, MMJ18, OMN+18, OMO19, Pue17,

RNDJ19, RS20, SJL19]. **SyTeCi** [Jab20].

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