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(k) [ADGM91, BL94b, KM81]. 2 [Dam03]. 3 [SRW02]. + [Han81a]. ^{TM} [Bla03]. ..5ex/ [AW82]. ‖ [DDDCG02]. A [DES12]. $\mathcal{R}$ [JMSY92]. $\mathcal{R}_{Lin}$ [VR95]. ℓ [ADG+94]. $O(nn)$ [Pet82]. ϕ [CF95, DR05]. π [ABL03].

-calculus [ABL03]. **-Exclusion** [ADG+94]. **-function** [DR05]. **-Nodes** [CF95]. **-Tree** [Han81a]. **-valued** [SRW02].

11 [ND16].

256 [App15].

568 [Han81b].

90 [DP99]. **95** [WJS+00].

Abstract [BGL93, BK11, CMB+95, CFG+97, DGG97, DLR16, ELS+14, EO80, GS98, HL82, JPP91, Lan80, LO94, LV94, LR13, Loe87, MSJ94, MP88, SS98, She91, Wei89, van88, ABS09, BDL+08, BdlBH99, Leu04, RM07, SYYH07, SJ03]. **Abstraction** [CGL94, CL94, Der85, GMH81, SM81, BMR05, BBTS07, GMZ00, LN02, LH08, MOSS96, PR07, Ell82]. **abstractions** [BCF04]. **Access** [ABLP93, BCC04, KS83, Mis86, NBG13, HR02, HO07, KSK07, PHP02, PSS05]. **Access-Right** [KS83]. **accessed** [RR05]. **Accessing** [CB80]. **Accumulation** [Bir84, Bir85]. **Accumulators** [Cam89]. **accuracy** [CEG07, HDH02]. **accurate** [CG04, VBLG04, VALG05]. **ACE** [Le 88]. **ACM** [Kro82, Kro83, Kro84, Kro85, Kro86, Kro87, Kro88, Kro89, Kro90, Kro91, Kro92]. **Across** [NSTD+15]. **Action** [BKS88]. **Actions** [Lam94, LS83]. **Activity** [Bar81, MTG80]. **Acyclic** [BE94, JF81]. **Ad** [MDCB91, PS08]. **Ada** [Bak82, Dil90, Hil88, LP80, WJS+00]. **Adaptation** [Dha91]. **Adaptive** [ABH06, PXL95, TCVB14, UJ92, RD03]. **adaptors** [YS97]. **Addendum** [Bir85]. **Adding** [ACW90, BN94]. **Addressing** [Hol87, ZP10]. **Adequacy** [KKSD94, Wey83]. **adjusting** [ABB+09]. **advice** [WKD04]. **Æminium** [SNS+14]. **Affine** [BAC16, BCEM15, ELS+14, VJB12]. **Affix** [GF85]. **agents** [BCC04]. **aggregate** [LSLR05]. **Ahead** [BLH12, DP82]. **Algebra** [Koz97, Wil82a, KBC+99]. **Algebraic** [BP82, BWP87, Jen97, Lin93, JB06, SP07]. **Algorithm** [AB81, Bak82, BB79, BAC16, BP82, DSW82, Dha91, DP93, GHS83, Hua90, Hud91, LV94, LY98, Lei90, LT79, LH91, MM82, MC82a, Pet82, SH89, TB98, Wis79, BKRW98, BH99, DR05, DVD07, JNZ06, Van96a, Van96b, Han81b, BKRW05]. **Algorithmic** [BP82, GM12, Loe87]. **Algorithms** [Apt86, BA84, CS95, CN83, GLO88, KRS84, KKM90, Kro82, Kro83, Kro84, Kro85, Kro86, Kro87, Kro88, Kro89, Kro90, Kro91, Kro92, MM89, RD87, RH87, RP88, TM93, WW95, Apt00, DAS98, GC01, ZGZ05]. **Alias** [Hor97, HBCC99, RRSY08]. **Aliasing** [Boe85, Ram94, RLS+01]. **All-Purpose** [Spo86]. **Allocating** [ZP07]. **Allocation** [BB79, Bre89, BCT94, CH90, CS95, FLBB89, GSO94, Rob79, SH89, CGS+03, HCS10, LGAT00, PS99, PF96, RDG08, SRM10, TP04]. **Alma** [ABPS98]. **Alma-O** [ABPS98]. **almost** [Duc08, Ram99]. **Alternative** [Gho93, GH80, Zav85]. **Alway** [Gri79]. **ambients** [BCC04, LS03, MH06]. **Ambiguity** [Tho94]. **amortized** [HAH12]. **Amulet** [VHM+01]. **Analyses** [AC94, CC95, CFM94, KSV96, SJ03]. **Analysis** [ABE+05, AD98, Bac84, BC85b, Blo94, BE13, Bur90a, CMN91, DL93, Deb95, DP97, DAW88, GNS+15, GJ93, HP96, Hil88, Hor97, ISY88, Jen97, KD94, LR13, McG82, MWB94, MOS07b, OHL+14, OLH+16, Pal95, PO95, PCC85, PP91, PW94, PW98, Pur91, RTD83, RP88, SR95, SSS83, SGL98, SS13, ABB+09, BDFZ09, BAL07, Bla03, Blu99, BCG+07, CSW06, Cha02, CGS+03, CKT86, DDV99, DGS97, FF99, GHB+96, GJ05, GZ04, GCRN11, HAM+05, HPMS00, HBCC99, HVDH07, HAH12, IK05, JLRS10, KBC+99, KK07, KSK07, LP00, LH08, MPM03, NS13,

PHP02, Pal98, PKH07, Ram00, Rep00, RSL10, RD97, RRSY08, RR03, RR05, RLS+01, SRW98, SRW02, STS03, SdSCP13, SS96, ST00a, WP10, WJ98, ZSD09, dHB+96]. **analyze** [DMM01, VBLG04]. **analyzer** [SMP10]. **Analyzing** [AW85, BEF+16, CFP+04, GMM99]. **And/Or** [Har80]. **Annotations** [Bur84]. **AOP** [DES12]. **APL** [Bud84, GD82, Hob84]. **Applicability** [DAW88, How80, LS98]. **applicable** [Gom92]. **Application** [CD79, DF80, DF81, LR13]. **Applications** [BLRS12, Bou88, BALP06, CMLC06, NR06]. **Applicative** [AC94, KS86]. **apprentice** [MP02]. **Approach** [ABR81, AR80, BAC16, BP82, Bur90a, CH90, CD79, DS90, Ell82, ES97, FT94, GGL15, Har80, Hes88, KKW14, Lam79, Lam80, Lee86, MW80, MDCB91, ND16, OA88, Sam80, Spo86, SM81, SNS+14, Bou05, CRN+08, DHM+12, FGM+07a, JLRS10, KV00, LP80, MBT09, PSS05, PCJD08, RC03, SP07, WS97]. **approximations** [BGP99]. **Apt** [Moi83]. **architected** [ZP07]. **Architecture** [Wal92]. **Architectures** [Han94, KPF95, NSTD+15, PAS+15]. **Arising** [Bac84]. **Arithmetic** [Fis80, GNS+15, Hen83, LdR81, MOS07b]. **ARM** [FKW98]. **Array** [CGST95, CG95, LS79, Per79, PW98, JB06, LSLR05, NI05, PHP02, RMH06, RR05, ZCG+07]. **array-valued** [RMH06]. **Arrays** [BBC16]. **ASF** [VHKO02]. **aspect** [DWWW08, WKD04]. **aspect-oriented** [DWWW08, WKD04]. **AspectML** [DWWW08]. **Aspects** [Bor81, Set83]. **assembly** [AAR+10, MWCG99]. **Assertions** [BKB80]. **Assessing** [BDH+16, Wey83]. **Assignment** [BM94, CFR+91, GL80, GPF08, LDK+96]. **Assisted** [HCHP92]. **Assisting** [Fea82]. **Associated** [PPS79]. **associativity** [Cha02]. **Associons** [Rem81]. **assume** [HQRT02]. **assume-guarantee** [HQRT02]. **Assumptions** [ES97]. **AST** [GVC15]. **Asynchronous** [Bag89, GLO88, Mis86, GM12, HR02]. **ATL** [WSH15]. **Atomic** [WL85, Wei90, AE01]. **Atomicity** [JLP+14, Wei89, FFLQ08]. **Attribute** [CP95, Hud91, JP81, Jon90, Kat84, KR79, MK94, RD87, WW95, Boy96, CP96, Wu04]. **Attributes** [HT86]. **Author** [Ano86a, Ano88a, Ano89a, Ano90a, Ano91a, Ano92a, Ano94, Ano95, Ano98, Bur91]. **authorization** [FGM07b]. **Authors** [Ano82, Ano83, Ano84, Ano85, Ano86b, Ano87, Ano88b, Ano89b, Ano90b, Ano91b, Ano92b]. **auto** [ZP10]. **auto-addressing** [ZP10]. **Automata** [BMW91, ES97, Pro95, KV00]. **Automata-Theoretic** [ES97, KV00]. **Automated** [GRSK+11, KZC15, KF00, Sok87, JNGG10]. **Automatic** [AK87, Ano02a, BBC16, Cat80, CES86, DS90, KK98, Le 88, LK02, LS04, MS83, PZJ05, RH87, SSS81, SLC03, She91, Wat91, Wha94, ABHI11, ATD08, BdlBH99, CRN+08, ZCG+07]. **Automatically** [Slo95]. **Automating** [GKL94, MTSS09]. **Avoidance** [FGL94]. **aware** [MQ05]. **Axiomatic** [AR80, App94a, Boe85, Sou84, YB87, YB88, LP80]. **Axioms** [Mis86].

B [Han81a]. **backpropagator** [PS08]. **Backtracking** [Lin79, VR95, FM87a]. **Balanced** [AS80, PB80, vHK00]. **base** [LS98]. **Based** [BPP16, BGL93, Bur90a, CGJ+97a, CI84, CP95, CH90, CPS93, DVLM15, DLR16, EGP14, GG85, HT86, JTM98, Kai89, KH92, KR79, LFF14, PW98, RTD83, SR95, SGL98, SNS+14, Wat94, WGS92, vPS81, BFG08, BMR01, BHM+07, BCG+07, CTT07, DDV99, Eug07, FF99, HBJ98, KBC+99, KK07, KC01, LP00, LH08, LGAT00, MTSS09, MH06, Pal98, PPT08, PCJD08, SP97, SP07, SMP10, SYN06, BDP14, WGS93, WM12]. **Basic** [GLR83]. **BDD** [LH08]. **BDD-based**

[LH08]. **Be** [Bee94, Coh91, Wir91, CG04, LP99]. **Behavior** [KLS92, GMM99, VBLG04]. **Behavioral** [LN15, LW94]. **Being** [Cop94]. **benefits** [GMP+00]. **Better** [Gri79, Lam88]. **between** [BS88]. **Beyond** [GSW95]. **BI** [BBTS07]. **BI-hyperdoctrines** [BBTS07]. **Bidirectional** [DP93, MMR95, FGM+07a, GPWZ08]. **binaries** [STSP05]. **Binary** [Sip82, DDD05, MMM+07, RC03, YF09]. **binding** [ACE96]. **Birrell** [MDJ05]. **Bisimulation** [FDY12, MH06, San09]. **bisimulation-based** [MH06]. **bisimulations** [SKS11]. **Bit** [KD94, KK07]. **bitvector** [KSV96]. **Bliss** [GNS+15]. **Block** [LS81, Mur91]. **Block-Structured** [LS81]. **Blocked** [FTJ95]. **Blocks** [Jag94]. **Boolean** [XA07]. **Bootstrapping** [App94a]. **Both** [KZC15]. **bottlenecks** [RD03]. **Bottom** [BGL93, GCRN11]. **Bottom-Up** [BGL93, GCRN11]. **bound** [KK07, NI05]. **Bounded** [ADG+94]. **Bounds** [PW94, BP12, CEI+07, RR05, SS05a]. **Box** [WLBF16]. **boxed** [BCC04]. **Branch** [CGJ+97a, CEG07, YUW02, YS99]. **Branches** [WZ91, RC03]. **Broad** [DAW88]. **Buddy** [Kau84]. **Buffer** [Žic94]. **bugs** [HCS10]. **Building** [Jag94]. **BURS** [Pro95]. **Bus** [Pur94]. **Bytecode** [SA99, BDL+08, CSCM00, FM99, GPF08, KR01, Qia00, SMP10, WR08]. **Byzantine** [LSP82].

'C [PHEK99, BR97, HSS+14, ND16, PKH07, PFH11, Ven95]. **C#** [BCF04]. **C/C** [ND16]. **Cache** [GMM99, KLS92, MMM+07, SS96, VBLG04]. **Caching** [ABM93, FK85, KS86, LST98]. **Calculational** [Bou06]. **calculi** [ABS09]. **Calculus** [ABLP93, BKL+97, BN94, Gom92, Kob98, MRG88, Nel89, Oho95, WM95, ABL03, AH10, Bou05, Bou06, BCC04, DES12, HR02, IPW01, Jay04, TA08a, KPT99]. **Call** [DP97, GL80, GC01, HL05, KK07, SW97a]. **call-by-value** [HL05, SW97a]. **Calls** [Coh83, Coh85, FF08]. **Can** [Boe85, Coh91, Wir91, CG04]. **capabilities** [WCM00]. **capability** [TA08a]. **Carlo** [FL15]. **carrying** [AM01]. **Case** [FTJ95, WW95, BdlBH99, KF03]. **Cats** [AMT14]. **Cause** [Cas95]. **CCP** [EGM01]. **CCured** [NCH+05]. **Cedar** [SZBH86]. **Cells** [ISY88]. **Centered** [CHY12]. **Centers** [KRS84]. **Centralized** [HM84]. **centric** [DHM+12]. **Certificate** [BGKR09, BK11]. **certified** [STSP05]. **Chaining** [LS80]. **Chains** [HS94]. **challenge** [MP02]. **change** [BA08, CP96, Lee09]. **Changes** [Ber94, MTSS09]. **changing** [MP07]. **Chariots** [PB97]. **Check** [AP94]. **checked** [KN06]. **checker** [NP08]. **Checking** [Car95, CGL94, ES97, FF08, GL94, ND16, AY01, ACM11, BGP99, FFLQ08, HQRT02, JJD98, KF10, KV00, NI05, SG04, VJB12, YMW97]. **Checks** [CG95, CEI+07]. **Choice** [BN94]. **CIRCAL** [Mil85]. **Circular** [Jon90, Pet82]. **Circularity** [WW95, Wu04]. **Clarification** [PA86a]. **Class** [HKMN94, Han92, SJ03, SDTF13, HS11, MH04, ST00a]. **Classes** [SDTF13, WT11, HHPW96, HMS06]. **Classical** [JSB+12]. **Classification** [KZC15]. **Classifying** [GSW95]. **Claus** [WP10]. **Cliché** [Wat94]. **Cliché-Based** [Wat94]. **Clique** [GSO94]. **Closure** [Pal95, SW97b, SA00]. **CLP** [DHM00, GLMM05, JMSY92, KMM+98, VR95]. **Clusters** [BGH+13, HBG+09]. **coalescing** [GA96, Hai05, PM04]. **Code** [AGT89, Cat80, Cop94, DF84, FGL94, GF85, Hen82, HG83, JSB+12, KRS94, LR13, ND16, Rob79, TvS82, Wan82, AM01, DEMD00, Hai98, HBG+09, HK07, JNZ06, LDK+96, MSRR00, ME97, Oho07, PHEK99, WS97, vHK00, CM93, Pem83, WST85]. **Cohen** [Coh85]. **coherence** [SS96]. **coinduction** [San09]. **Collecting** [HY91]. **Collection**

[BA84, CN83, DSW82, Lan80, TM93, WLBF16, BALP06, HDH02, PBK+07, Piq96]. **collector** [BBYG+05, LP06, TSBR08]. **Coloring** [BCT94, CH90, GSO94]. **combination** [BCG+07]. **Combinator** [FRW90, KLS92]. **Combinators** [FGM+07a, KS88, KS89]. **Combinatory** [RS97]. **Combining** [Ber94, BP82, CC95, CMB+95]. **Come** [LH91]. **Comments** [AB94, KS79, LaL84, NN86, Sor89]. **Communicating** [AFdR80, GC86, HM84, MW84, MC82b, Moi83, Oss83, PP91, Pur91, Sou84, Ber80, KS79]. **Communication** [Ang89, CHY12, FY85, Gel85, Hua90, LH91, MB83, vPS81, KBC+99, Mil85, SWU10, WM12]. **Communication-Centered** [CHY12]. **Communications** [RS84b]. **Commutativity** [RD97, Apt00, Cha02]. **Compact** [BC79, Sip82, Wad90]. **Compactification** [RH87]. **Compacting** [CN83]. **Compaction** [Wis79, BP12, DDD05, DEMD00]. **Comparative** [WCW90, WCW91]. **Comparing** [Hai05]. **Comparison** [CN83]. **Compartmentalized** [WLBF16]. **CompCert** [BDP14]. **Compensation** [FGL94]. **Compilation** [DLR16, FKW98, FL91, JLP+14, JF81, Oho95, PAS+15, Sit79, KMM+98, LST02, LDM07, SYN06]. **Compile** [ABR81, GW99, Hol87, Tra08]. **Compile-Time** [ABR81, Hol87, GW99, Tra08]. **Compiler** [App94a, Bud84, CM86b, DEMD00, FT94, FGL94, JSB+12, Rei83, Slo95, Son87, Wha94, YBL16, Ano02a, CMLC06, DHS09, GMM99, KN06, PE08, PHEK99, SYK+05, VHKO02]. **Compiler-Driven** [YBL16]. **Compilers** [BDFH97, DDH84, HP96, Han94, BGKR09, RD97, SYN06]. **Compiling** [Cha93, CH87, Fis80, Set83, VHKO02]. **Complementation** [CFG+97]. **Complete** [BDFH97, WM95]. **Completeness** [TB95, WGS92, Wu04, WGS93]. **completion** [KR01]. **Complexity** [BEF+16, Deb95, Le 88, RRSY08, SSD09]. **component** [LS98, YS97]. **component-base** [LS98]. **Componential** [FF99]. **Composing** [AL93, HKMN94]. **Composite** [Fea87]. **composition** [AH10, Pau01]. **Compositional** [Fos96, Jon94, JTM98, LFF14]. **compressed** [DAS98]. **Compression** [BMW91, CSCM00, DKV07]. **Computability** [HMS06]. **Computable** [PK82]. **Computation** [AC94, BOV85, DP82, HS94, LST98, PB97, ABB+09, AE01, DR05, LK02, SWU10, SGL97, Hal85]. **computational** [ATD08, SSD09]. **Computations** [DW89, MC82b, VSS94, YS91, LSLR05, Mon08, YF98]. **Computer** [HCHP92, Wol92]. **Computer-Assisted** [HCHP92]. **Computers** [Fis80, LK02]. **Computing** [ANP89, CFR+91, CF95, KM81, HVB+99, MMG00]. **Concept** [Tur86, ST00a]. **Concepts** [Eug07]. **Concerning** [Sha82]. **Concrete** [Bar81]. **Concurrency** [BG89a, Lam90, Wei89, BCF04, Mil85, TA08a, CPS93]. **Concurrent** [BC91, Car95, Cla80, CES86, CPS93, CFM94, DGMP97, FT94, Hal85, HSP83, HW90, Her93, JTM98, Kar84, Lam83, LFF14, MSM+16, OL82, Pet83a, Pet83b, RY88, Sku95, SNS+14, AE98, AE01, AAE04, BBYG+05, BGP99, CSW06, JPS+08, RS97, SRM10, YS10]. **Concurrent-by-Default** [SNS+14]. **Concurrent-Program** [FT94]. **Condensation** [JTM98]. **Condition** [HW90]. **Conditional** [Boy96, WZ91, Dam03]. **conditions** [KWL09]. **Conference** [Wol92]. **confined** [GPV07]. **Conflict** [Cas95]. **Conjecture** [KPS92, Sag86]. **Conjoining** [AL95]. **conservative** [Hai05]. **considered** [Gor04]. **Constant** [Coh91, WZ91, Wir91]. **Constrained** [BG89a, DAW88, PS96, Žic94, LPP01]. **Constraint** [Bor81, DGMP97, DDV99,

NSTD+15, Pal95, PW98, Apt00, BMR01, DPPR00, FH04, GHB+96, HPMS00, SS08, SS09, SP07, SSD09, dHB+96].
Constraint-Based [PW98, DDV99, SP07].
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[AKP94, DFR15, HG83, Mye90, BA08, RM10, TFK+11, Van96b, VHM+01, Van96a].
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D. [Bur91]. **Data**
[AMT14, ANP89, AM85, Bac84, BC85b, BL87, Bur90a, Cha93, CS87, Deb89, DP93, DD85, Ell82, EO80, FL81, GMH81, HL82, Her93, Hes88, Hol87, Jen97, KH92, Kam83, KZC15, KK98, KD94, LaL89, LO94, LN02, Loe87, Mal82, MMR95, MCT96, PP91, QG95, RCRH95, RP88, SSS81, Sku95, SGL98, SM81, TWW82, WL85, Wei89, Wei90, Wet82, Wey83, CFP+04, DHM+12, DGS97, HBJ98, KBC+99, KF00, LK02, Rep00, SP07, VALG05, YUW02, ZGZ05, Pur91].
data-centric [DHM+12]. **Data-Driven** [BL87, CS87]. **Data-Flow** [BC85b, Bur90a, Wet82, RP88, KBC+99].
data-independence [Rep00].
data-member [KF00]. **Data-Parallel** [Cha93, HBJ98]. **Database** [Bar85, CB80].
Dataflow [Deb95, DFR15, MWB94, SS13, SS96, Van96a, Van96b, VHM+01]. **datalog** [LS09]. **datatypes** [MBC04]. **Deadlock** [Hua90, Kob98]. **Deadlock-Free** [Kob98].
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Deciding [GGL15]. **Decision** [MTG80, NO79]. **decisions** [MTSS09]. **Declarative** [ABPS98, TCVB14, Bou05, MME+10]. **Decompilation** [BB94]. **Decomposing** [BDL+08]. **decomposition** [LK02]. **decrease** [LDK+96]. **Deducing** [TB95]. **deduction** [LMD98]. **Deductive** [MW80]. **Default** [SNS+14]. **Deferring** [MTSS09]. **Defined** [Wal92, Wal80, Wal81]. **Defining** [Ode93]. **definite** [RKRR04]. **Definition** [Bou92, BWP87, CI84, CD79, Fid93, HS94, WCW90, WCW91, Wol94]. **Definition-Use** [HS94]. **Definitions** [BS86, Wil82b, Dam03, VHKO02, Sij89]. **Delay** [BG89b]. **Delayed** [KPF95, RC03]. **Delayed-Load** [KPF95]. **Delaying** [Kau84]. **Deleting** [GP81]. **Delimited** [BDM15]. **Demand** [GSW95, PA85, PA86a, PA86b, PF96, SR95, DGS97]. **Demand-Driven** [GSW95, PA85, PA86a, PA86b, PF96, DGS97]. **Denali** [JNZ06]. **Denotational** [AB94, FA93, Gud92, MSJ94, NF89, Nie85, Sch85, dBB85]. **Dependence** [BGH+13, CFR+91, FOW87, HBG+09, HRB90, PB97, PW98, Wol94, RAB+07]. **Dependences** [PW94]. **Dependencies** [Deb89, CSS99]. **Dependency** [Blu99]. **Dependent** [LS80, NBG13, Ode93, RTD83, Rob79]. **dequeues** [Chi05]. **DeRemer** [Sag86]. **Derivation** [BKB80, Cat80, DSW82, Gie83, HIT97, Kna90, TM93, Ano02a]. **Deriving** [Wan82, Bou06]. **Describing** [AW85]. **Description** [McG82]. **Descriptions** [Boe85, BKL+97, Cat80, Ano02a]. **Descriptors** [Hol87]. **Design** [BPP16, BCD+15, BO94, DF80, DF81, FT94, HM84, KKM90, LDM07, ML80, RCS93, RL98, SYK+05, Bou05, MTSS09, CMLC06]. **design-pattern-based** [MTSS09]. **Designing** [LaL89, ALZ03]. **Designs** [AW85]. **destructive** [SRW98]. **Detect** [ISY88]. **Detecting** [GSW95, HCS10, Sch85]. **Detection** [CM86a, Hua90, MC82a, MC82b, TM93, AFF06, HDH02, PFH11, PCJD08, XA07]. **Determinacy** [TK94]. **determination** [DS98]. **Determining** [MF88]. **determinism** [TA08a]. **Deterministic** [KR79, Tar07]. **Development** [BKB80, Col84, Fea87, Jon83, ML80, PPS79, Wil82a]. **Diagnosis** [BF87]. **Dialect** [Mul92]. **Dialects** [CP95]. **dialogue** [BCM99]. **DIB** [FM87a]. **difference** [BA08]. **Differencing** [PK82, RSL10]. **Differential** [BKOZB13, ZP07]. **Differentiation** [Sha82]. **Diffusing** [MC82b]. **Dijkstra** [BN94, Nel89]. **Dimensional** [Hil88, GPWZ08]. **direct** [YK97]. **Directed** [BDJ13, DMM88, Gud92, Han94, Set83, SYYH07, OKN06]. **Direction** [Dar90]. **Directly** [Hob84]. **Director** [KS88, KS89]. **Directory** [Han81b]. **discipline** [FGM07b]. **Disciplines** [SS84]. **discovery** [PZJ05]. **Discrete** [Bar81]. **Discrete-Event** [Bar81]. **Disjunctive** [Jen97]. **dispatch** [DAS98, MFRW09]. **dispatching** [GZ07]. **Distance** [Wol94, ZSD09]. **distribute** [CRN+08]. **Distributed** [ABLP93, AF84, Apt86, AW85, BKS88, BCEM15, Bur84, CJK95, CM86a, CBDGF95, CS95, DAW88, Dug99, FLBB89, Fra80b, GHS83, Hua90, HM84, Jon94, Kat93, KK98, KRS84, KKM90, Lam84, LS83, MC82a, RCRH95, SS84, Sch82, TM93, Zav85, ABL03, FM87a, HVB+99, KGMO04, LK02, MDJ05, Piq96, Fra80a, Moh81, VHB+97]. **Distributed-Memory** [KK98, RCRH95]. **div** [Bou92]. **Divergence** [SdSCP13]. **DJ** [DR05, SGL96, SGL98, UM02]. **DJ-graphs** [UM02]. **DLLs** [Dug02]. **do** [SS05a]. **Documentation** [MH86]. **does** [DMP96]. **dolce** [MP10a]. **Domain** [Tra08, RM07, SS05a]. **Domains** [CMB+95, ELS+14, GS98, FH04, GLMM05]. **dominance** [Ano02b, DVD07]. **dominator** [SGL97]. **Dominators**

[LT79, Ano02b, BKRW98, BKRW05]. **drf** [MSM+16]. **Drinking** [CM84, MS88]. **Drive** [PK80]. **Driven** [BL87, CS87, GF85, GSW95, PA85, PA86a, PA86b, YBL16, DGS97, PF96, YMW97]. **Dually** [MT08]. **Dummy** [Lam88]. **During** [BKB80]. **DyC** [GMP+00]. **Dynamic** [ACPP91, AGT89, BB79, BDM15, Bre89, CTT07, DS98, Dug99, HSS+14, HN05, Kai89, KR79, RCRH95, Ven95, WR08, dBB85, ACE96, BP12, CEI+07, DDDCG02, GZ07, MMM+07, PHEK99, SJP12, SHB+07, SYK+05, SYN06, WKD04, ZGZ05].

eager [FKW00]. **Earley** [Lei90]. **Early** [AB81]. **ECCS** [CDFP89]. **Edge** [DP93]. **Editing** [FL81, HT86, Nix85]. **Editor** [FM87b, DeM83, Per90, Rep86, Wol92]. **Editorial** [AP07, App93, AG93, AF94, MP07, Pal11a, Pal11b, Pal12, Pal13, Pal15, FP02, OP04]. **Editors** [DMM88, MM89, RTD83, Wat94]. **EDO** [OKN06]. **effect** [RLS+01]. **Effective** [BS83, Col84, KKN06, NI05, PE08, WJ98, YUW02]. **Effectiveness** [BdlBH99, SH89]. **Effects** [Boe85, TA08b]. **Efficient** [AKBLN89, ADGM91, BB79, BGH+13, Bre89, Cam89, CS95, DP82, DMM88, GZ05, GZ07, GLR83, GLO88, GSO94, HVB+99, HS94, HSS+14, HIT97, JP81, Jon90, KKM90, KRS88, KPF95, MVV+01, MM82, NB99, NI05, PHP02, PXL95, PKH07, PA85, PA86b, RH87, SS08, SA00, SS88, WG98, YUW02, BCP08, GB99, KSV96, LPSO04, LS09, PBK+07, TP04, VWJB10, YF98, PA86a, SS09]. **Efficiently** [Bal94, CFR+91, CF95]. **Eiffel** [ACE96]. **elaboration** [KR01]. **Election** [Hua93]. **Eliminating** [BT93, Coh83, Coh85, RD03]. **Elimination** [DP93, SGL98, KKN06, KCL+99]. **Elimination-Based** [SGL98]. **embedded** [BCP08, CSCM00, HK07, Rhi03, SRM10, TP04, ZP10]. **Embedding** [HF87]. **Empirical** [BHK07, BDH+16]. **Empowering** [JSB+12]. **Emulator** [ML80]. **Enabled** [ADG+94]. **Encapsulating** [GPV07]. **Encapsulation** [AR84, DDM11]. **Encoding** [Hob84, GZ05, ZP07]. **Encodings** [BC79]. **End** [BDP14, CSCM00]. **enforcement** [HMS06]. **Enforcing** [CEI+07]. **engines** [SS08, SS09]. **enhanced** [GH97]. **Entries** [LaL84, SS82]. **Enumeration** [BB94, JJD98]. **Environment** [CO90, SZBH86, CKT86]. **Environmental** [SKS11]. **Environments** [BS86, GKL94, HK85, HT86, Kai89, dJKVS12]. **Epochs** [Sol92]. **equalities** [FMoPS11]. **Equality** [Pal98]. **Equality-based** [Pal98]. **Equations** [HO82, Bou06, GS11, GMM99]. **Equiprobable** [PB80]. **Equivalence** [VJB12, VSS94]. **Equivalent** [PO95, NP08]. **Erratum** [SS09]. **Error** [AB81, Bac84, BN99, BF87, FL15, KC01, LaL84, MF88, MYD95, PK80, Ric85, SSS83, SS82, Wet82, dJKVS12, Jef03, XA07]. **Errors** [AWW95, Wha94, CPRT02, JNGG10]. **Escape** [Bla03, CGS+03]. **ESOP'05** [Sag07]. **Essential** [DES12]. **Esterel** [Tar07]. **Eta** [DMP96]. **Eta-expansion** [DMP96]. **Euclid** [HW82]. **Euclidean** [Bou92]. **Evaluating** [BLH12]. **Evaluation** [AFV98, Bur84, CGST95, CK93, Gri82, Hud91, Jon90, LV94, PA85, PA86a, PA86b, RD87, RL98, Slo95, SG90, WCW90, WCW91, ADR06, CP96, CG04, GJ05, LDM07, Leu04, ST00b, SYK+05]. **Evaluations** [BDH+16]. **Evaluator** [Gom92, JP81, KR79, Le 88]. **Evaluators** [CP95]. **Event** [Bar81, YMW97]. **event-driven** [YMW97]. **Events** [Bal94]. **Ever** [Gri79]. **Evidence** [CGJ+97a]. **Evidence-Based** [CGJ+97a]. **Example** [CM86a, Mye90, Nix85]. **Examples** [Oss83, Jef03]. **Exception** [YB85, YB87, YB88, LS98, LP80, OKN06].

Exception-Directed [OKN06]. **Exception-Handling** [YB85, LS98]. **Exceptional** [WN08]. **exceptions** [Hau96, LP00]. **Exclusion** [ADG+94, LH91, ABHI11]. **Executable** [Hob84]. **executables** [YF09]. **eXecute** [BR10]. **Execution** [CS87, Dil90, GJ93, JNGG10, JF81, SS98, SS88, BALP06, GPA+01, TSY00, YF98]. **Exemplars** [LaL89]. **Exemplified** [DGL+79]. **Exercise** [Kna90, Mis81]. **Exhaustive** [Bur90a]. **Existential** [MP88]. **existing** [LS98]. **expansion** [DMP96]. **Experience** [FSS83, Wal92]. **experiences** [Eug07]. **Experimental** [LV94, SSS83, Ven95, ABB+09, BGP99]. **Experiments** [Tur84]. **Explanation** [Mis81]. **Exploiting** [KOE+06]. **exploring** [WS97]. **exponential** [Wu04]. **exponential-time** [Wu04]. **Expression** [GP81, YB87, YB88, HVP05]. **Expression-Oriented** [GP81, YB87, YB88]. **Expressions** [BG89b, CGST95, CC97, DAW88, Fis80, Geo84, Gri82, Hen83, HY91, KS83, LdR81, PK82, Sha82, Sit79, Wat91, Dam03, NN86]. **Expressive** [MFRW09]. **Expressiveness** [WGS92, WGS93, PS96]. **extended** [KGMO04]. **Extending** [CEW14, CMS03, MSRR00, MK94]. **Extensible** [Sto04, ATD08, MBC04]. **Extension** [Bur90b, Coh91, WSH15, Wir91, ALZ03, KKN06, LS08]. **Extensions** [Wir88]. **Extent** [MF88]. **External** [Wal80, Wal81]. **Extracting** [GP95]. **extraction** [TSL+02]. **extrapolation** [WM12]. **Extrema** [Pet82].

F [MWCG99]. **factoring** [DRSS96]. **Failure** [BN99, Dar90, Kar84]. **Failure-Free** [Kar84]. **Fair** [BN94, PR07]. **Fairness** [ES97, OA88, TB95, AH98]. **Families** [LaL89]. **Fashioned** [AL94]. **Fast** [ADR06, DAS98, FMoPS11, HVDH07, LT79, SR95, DR05, PE08, TP04, VBLG04, DVLM15]. **Fault** [CS95, Lam84, LJ99, AAE04]. **Fault-Tolerance** [LJ99]. **Fault-Tolerant** [CS95, Lam84, AAE04]. **FD}** [GLMM05]. **FeatherTrait** [LS08]. **Featherweight** [IPW01, LST02, LS08]. **feature** [AH10]. **Feeding** [PA86a]. **Fickle}** [DDDCG02, AAD+07]. **field** [PKH07]. **field-sensitive** [PKH07]. **fields** [PZJ05]. **FIFO** [FLBB89]. **Final** [Kam83]. **Finding** [KRS84, KKM90, LT79]. **Fine** [PBR+15, DNS+06]. **Fine-Grained** [PBR+15, DNS+06]. **fingerprinting** [CTT07]. **Finitary** [AH98]. **Finite** [ACW90, BLH12, CES86, GC86, PK82, PP91, Pur91, RSL10, Zav85]. **Finite-State** [ACW90, BLH12, CES86]. **Finite-State-Machine** [Zav85]. **First** [ADG+94, Bre89, DP97, HKMN94, Han92, JPP91, JS94, LH91, MH04, SDTF13]. **First-Class** [HKMN94, Han92, SDTF13, MH04]. **First-Come-First-Served** [LH91]. **First-Enabled** [ADG+94]. **First-Fit** [Bre89]. **First-In** [ADG+94]. **First-Order** [DP97, JPP91, JS94]. **Fit** [Bre89]. **Fixed** [SS98]. **Fixed-Order** [SS98]. **Fixpoint** [AC94, Qia00]. **Flexible** [AD98, Hud91, MSM+16, WG98, Wil82b, dJKVS12, IV06, KGMO04]. **Floating** [CK94, Fat82, Hau96, Mon08]. **Floating-Point** [CK94, Fat82, Hau96, Mon08]. **flop** [MMG00]. **Flow** [AR80, AD98, Bac84, BC85b, Bur90a, DP97, DP93, FJKA06, Hor97, KD94, MMR95, NBG13, PO95, PP91, PBR+15, Pur91, Set83, SGL98, SS13, Wet82, DGS97, HR02, HY07, KBC+99, Pal98, PS03, RRSY08, RP88, TZ07, WJ98]. **Flow-Insensitive** [Hor97, FJKA06]. **Flowback** [CMN91]. **Flowgraph** [LT79]. **Flows** [Kna90]. **Floyd** [Yin11]. **Fly** [CF95, BA84, LP06, PBK+07]. **Folklore** [LY98]. **Font** [FK85]. **Foo** [FA93]. **foreign** [FF08]. **Form** [AK87, BOV85, BM94,

CFR+91, GSW95, Pal95, GPF08, KCL+99]. **Forma}** [ZCG+07]. **Formal** [BS86, BDP14, CB80, CD79, Fid93, Gie83, HIT97, Kna90, Lee86, Mal82, MH86, Sha82, WP10]. **Formalisms** [PCC85]. **Formalization** [BPP16]. **Formally** [SP97]. **Format** [Wat83]. **Forms** [DS83]. **formulas** [RSL10]. **formulations** [RS97]. **Fortran** [AK87, DP99]. **foundation** [Ban11, RAB+07, Rhi03]. **foundational** [AM01]. **Foundations** [GTWA14, LW93, AAR+10]. **Fractal** [MPM03]. **fractional** [Boy10]. **frames** [SJP12]. **Framework** [BGL93, Gie83, NSZS13, NSTD+15, OHL+14, SGL98, ATD08, DGS97, GMM99, GZ04, GC01, Leu04, PS08, RKRR04, TP04, VBLG04, XA07, ZCG+07, ZP10, vHK00]. **Frameworks** [MMR95, KK07]. **Francez** [Fra81, Moh81, Moi83]. **Free** [AP94, GHR80, Her91, Kar84, Kob98, JJD98, KSV96]. **freedom** [KS10]. **frontiers** [Ano02b]. **full** [GB99]. **Fully** [JPP91]. **function** [DR05, FF08]. **Functional** [AFV98, Ban87, Blo94, Bou05, Bur84, DW89, FL91, ISY88, JPP91, WM95, Web95, Wil82a, ABH06, Bou06, DWWW08, DF98, PS08, San96, SP97]. **Functions** [AKP94, AK82, Bou92, PB80, SM89, Lee09, MBC04, MB99, MT08, PPT08]. **Further** [CM93]. **Fusion** [LGAT00]. **Fusion-based** [LGAT00].

G. [Tic88]. **Garbage** [BA84, CN83, DSW82, ISY88, TM93, WLBF16, Wis79, BBYG+05, BALP06, HDH02, LP06, Piq96, TSBR08]. **Garnet** [VHM+01]. **General** [BGL93, HSS+14]. **General-Purpose** [HSS+14]. **Generalization** [Nel89, LMD98]. **Generalized** [Ans87, BS83, KD94, Lin79]. **Generalizing** [DB85]. **Generals** [LSP82]. **Generate** [Son87]. **Generated** [Slo95, dJKVS12]. **Generating** [HBM+06, HT86, Jef03, LR13, JNZ06]. **Generation** [AGT89, AS80, BOV85, BM94, DS83, DS90, GF85, GVC15, HKR92, HKR94, Pro95, Rei83, Rob79, She91, ST00b, UJ92, DAS98, MSRR00, PHEK99]. **Generative** [Gel85]. **Generator** [PPS79]. **Generators** [Cat80, GHK81]. **Generic** [LV94, DDM11]. **generics** [IV06]. **Geometry** [CR87]. **Georgeff** [NN86]. **GJ** [IPW01]. **Glanville** [MSRR00]. **Global** [Bac84, Dha91, GHB+96, OHL+14, PK80, PS92, Sch85, dHB+96, CS04, KBC+99, DS88, Sor89]. **GLR** [SJ06]. **Goal** [Dar90, Gud92, SYYH07]. **Goal-Directed** [Gud92, SYYH07]. **Goal-Oriented** [Dar90]. **Goto** [CF94]. **GPU** [BCD+15]. **Graham** [MSRR00]. **Graham-Glanville** [MSRR00]. **Grained** [PBR+15, DNS+06]. **Grammar** [CI84, CP95, GF85, JP81, KR79, Web95]. **Grammar-Based** [CI84]. **Grammars** [BS88, Jon90, Kat84, LaL81, RD87, RH87, Tai79, WW95, Boy96, CP96, Wu04]. **Grammatic** [Tho94]. **Grammers** [BB94, MK94]. **Graph** [Ass00, Bee94, BCT94, CFR+91, FOW87, KKSD94, KLS92, MC82a, Son87, CTT07, GC01]. **graph-based** [CTT07]. **Graphic** [Mal82]. **graphical** [VHM+01]. **Graphs** [HRB90, KPS92, Kna90, SGL98, DR05, JC97, KSK07, SGL96, UM02]. **grid** [VWJB10]. **groundness** [CSS99]. **Grover** [BH99]. **growth** [BALP06]. **Guarantee** [LFF14, HQRT02]. **guarantees** [LS09]. **guard** [MP07]. **guarded** [SP07]. **Guardians** [LS83]. **Guards** [Ber80]. **Guest** [FP02, OP04, DeM83, Per90, Rep86, Wol92]. **Guide** [App94a, BDH+16]. **Guided** [OLH+16]. **guiding** [VALG05].

Hackers [App94a]. **Hancock** [CFP+04]. **handle** [VJB12]. **Handling** [Hau96, LdR81, Piq96, SSS83, UM02, YB85, YB87, YB88, CRN+08, LS98, LP80, SSD09, Hen83]. **Hard** [Hor97]. **Hardware** [BKL+97, Mis86]. **harmful** [Gor04]. **Hashing** [PB80, Duc08].

Haskell [GRSK+11, HHPW96]. **Heap** [KSK07, BALP06, KF00, YS10]. **heap-manipulating** [YS10]. **Heavily** [BG89a]. **Hennessy** [CM93, WST85]. **Herding** [AMT14]. **Heuristic** [SL92]. **hiding** [LN02, OYR09]. **hierarchic** [AG04]. **Hierarchical** [BA99, CP95, CD79, AY01, CP96]. **hierarchically** [MBC04]. **hierarchies** [ST00a, Van96a, Van96b]. **hierarchy** [KF00]. **High** [Cam89, Fat82, MSM+16, CMS03, VWJB10]. **High-Level** [Cam89, Fat82, CMS03, VWJB10]. **Higher** [AC94, AD98, CJK95, DJP+16, BBTS07, DF11, SKS11, SP97]. **Higher-Order** [AC94, AD98, CJK95, DJP+16, BBTS07, DF11, SKS11, SP97]. **Highly** [Her93, Sku95]. **Hoare** [Apt81, GM81, LS84, Sok87, Yin11]. **Hoc** [MDCB91]. **Homomorphisms** [HIT97]. **HOP** [BLRS12]. **Hybrid** [KF10, KS10]. **hyperdoctrines** [BBTS07].

I-Structures [ANP89]. **I/O** [Car95]. **Icon** [GHK81, Gri82]. **id** [Bee94]. **idempotency** [KOE+06]. **Identical** [FLBB89]. **Identification** [BGH+13]. **identify** [MMM+07]. **Identifying** [Ram99, SGL96]. **Idioms** [PP94]. **IDL** [Lam87]. **IEEE** [Fat82]. **Ignorance** [GNS+15]. **Illustrative** [Oss83]. **Impact** [OLH+16, CKT86]. **Imperative** [ABPS98, DFR15, Gro06]. **Implementation** [AKBLN89, AOC+88, BCD+15, Bou88, Bre89, BS83, CM86b, GMH81, Gaz83, Lin93, MDCB91, PXL95, RL98, WL85, CMLC06, FM87a, GB99, LDM07, LPSO04, Tra08, Zho96]. **implementations** [BBF+11, BFGT08, DF98]. **Implemented** [DB85]. **Implementing** [BR97, Her93, HW82, Sku95]. **Implications** [Fat82]. **Implicit** [BH05b, SJP12]. **Implicit-signal** [BH05b]. **improve** [KF00]. **Improved** [GHR80, Mur91, KK07]. **Improvement** [MS83, San96]. **Improvements** [BCT94]. **Improving** [CK94, CMB+95, MCT96, WS97]. **impure** [Pip97]. **incomplete** [GLMM05]. **Incremental** [Bur90a, CP95, DMM88, GM79, HKR92, HKR94, HPMS00, Hud91, Kai89, Lar95, LST98, PS92, RTD83, RP88, SGL97, WG98, YS91, BBYG+05, CP96, Van96a, Van96b]. **Incrementally** [QL91]. **Independence** [DHM00, Rep00]. **Independent** [ML80, Mul92]. **Index** [Ano86a, Ano88a, Ano89a, Ano90a, Ano91a, Ano92a, Ano94, Ano95, Ano98]. **indexed** [AM01]. **indices** [RR05]. **Indirect** [Piq96, CEG07, YK97]. **Induction** [GSW95, Sit79]. **inefficiencies** [MMM+07]. **Inessential** [SS82, LaL84]. **Inference** [CEW14, Deb89, Hen93, LO94, LY98, TB98, Wey83, FFLQ08, JB06, PM06, PT00, PS03, Van06]. **Influence** [FTJ95]. **Information** [AR80, Ano82, Ano83, Ano84, Ano85, Ano86b, Ano87, Ano88b, Ano89b, Ano90b, Ano91b, Ano92b, BC85b, HR02, NBG13, PBR+15, PS03, GS99, HY07, LN02, OYR09, TZ07]. **Information-Flow** [BC85b, TZ07]. **infrastructure** [SWU10]. **Inheritance** [LN15, WT11]. **initialization** [FM99]. **Input** [BS83, vPS81]. **Input-Output** [BS83]. **Inputs** [PA86a]. **Insensitive** [Hor97, FJKA06]. **insertion** [GJ05]. **inspection** [CF04, FG03]. **Instantiation** [Der85]. **Instead** [Lam84, Rem81]. **Instruction** [KPF95]. **Instructions** [LS80, PS93, RF97, Rob79, LPP01]. **Integer** [BAGM12, BEF+16, BGP99]. **Integrated** [SS13]. **Integrating** [HPR89, WJS+00]. **Integration** [CO90, Leu04]. **Intensional** [STS03]. **Interaction** [WSH15, WT11, van88, BCM99]. **Interactions** [JS94]. **Interactive** [ACS84, BS86]. **Interface** [Win87, van88]. **Interfaces** [DS90, Mye90, TLHL11, WT11]. **Interferences** [FTJ95]. **Interfering**

[Jon83]. **Intermediate** [Lam87, Pem83, TvS82]. **Internal** [Han81a]. **International** [Wol92]. **interoperable** [BFGT08]. **Interpretation** [BGL93, CFG+97, DLR16, LV94, MSJ94, BDL+08, BdlBH99, DGG97, Leu04, SYYH07]. **Interpretation-Based** [DLR16]. **Interpretations** [CMB+95, HY91, SJ03]. **Interpreters** [LR13, CEG07]. **Interprocedural** [Bur90a, BT93, DP97, HAM+05, HS94, HBCC99, HRB90, NR06, SH89, CKT86, DVD07, DGS97, FMoPS11, JLRS10, KK07, RLS+01]. **Interprocess** [RS84b]. **Interprocessor** [Ang89]. **intersection** [Dam03]. **Intertask** [FY85]. **Interval** [Bur90a, GNS+15, FH04]. **Interval-Based** [Bur90a]. **Introduction** [DeM83, HCW82, Per90, Rep86, Sag07, Wol92]. **Invariant** [BKB80]. **Invariants** [Cla80]. **Irreducible** [Hav97, UM02]. **irregular** [YF98]. **Irrelevant** [GP81]. **Isolation** [Wha94]. **Isomorph** [JJD98]. **Isomorph-free** [JJD98]. **issue** [Sag07]. **Issues** [BO94]. **Iterated** [GA96]. **Iteration** [Cam89, MOSS96, GS11, JLF02, Qia00]. **Iterative** [Ans87, Par90, DR05, JNGG10, LS04].

Jade [RL98]. **Jam** [ALZ03]. **Java** [AFF06, ALZ03, AAD+07, BH05a, Bla03, BALP06, CGS+03, CMS03, CSCM00, FFLQ08, FM99, GPF08, IPW01, KKN06, KGMO04, KN06, KR01, LST02, LP06, LS08, Loc13, MVV+01, MME+10, MFRW09, MMG00, NR06, OKN06, Qia00, SLC03, SMP10, SA99, SYK+05, TSL+02, WR08]. **Java-like** [KN06]. **JavaCOP** [MME+10]. **JavaGI** [WT11]. **join** [WKD04]. **JR** [KGMO04]. **Jump** [LS80, RS84a]. **Just** [DLR16, SYK+05]. **Just-in-Time** [DLR16, SYK+05]. **JVM** [HO07].

KaffeOS [BH05a]. **Kaiser** [Tic88]. **Kernels** [BCD+15, ATD08]. **Keys** [PB80]. **Kilbury** [Lei90]. **Kitsune** [HSS+14]. **Kleene** [Koz97]. **Knot** [MC82a]. **knowledge** [GLMM05].

labels [Sto04]. **Laboratory** [Bor81]. **LaLonde** [Hen83, LaL83]. **LALR** [DP82, KM81, PCC85]. **Lambda** [Geo84, Gom92, NN86, PS08]. **Laminar** [PBR+15]. **Lamport** [Ang89, Pet83b]. **Language** [ACPP91, AOC+88, ABPS98, BS86, BPP16, BO94, Bor81, BC91, DVLM15, Fat82, Fea87, Gud92, Hal85, JMSY92, JPP91, Kai89, McG82, Per79, PPS79, RTD83, RCS93, Spo86, SNS+14, Tur84, Wet82, Win87, YS91, YB87, dJKVS12, van88, Bou05, BSvGF03, CFP+04, DWWW08, DF98, FM99, Gro06, HBJ98, KN06, LP99, MF09, MWCG99, PPT08, PHEK99, Tra08, VHKO02, HCW82, YB88]. **Language-Based** [Kai89, RTD83]. **Languages** [AR84, AD98, Bar81, BL94b, Blo94, BM94, BWP87, CDFP89, Dug99, Fos96, FL91, HU96, Lee86, MSM+16, Mur91, Ryu16, TK94, AAR+10, ACM11, DHM00, GW99, RS97, Rhi03, SRW98, SKS11, SP97, SWU10, Wol92]. **Larch** [Win87]. **Large** [GLR83, MK94, MH86, WCW90, WCW91]. **Lattice** [AKBLN89, MMR95, FH04]. **Lauer** [GM81]. **Layout** [KK98, LVV+83, GPWZ08, KF00]. **Lazy** [ABM93, FKW00, HKR94, Hud91, TCVB14, Chi05]. **LCF** [Sok87]. **lead** [SS05a]. **Leader** [Hua93, KKM90]. **leak** [HDH02]. **learned** [VHM+01]. **Learning** [CGJ+97a]. **Least** [AB81, Bac84]. **Least-Cost** [AB81, Bac84]. **Left** [FKW98]. **Left-Linear** [FKW98]. **legacy** [NCH+05]. **length** [SMP10]. **Lessons** [VHM+01]. **Let** [LY98]. **Let-Polymorphic** [LY98]. **Level** [Cam89, Fat82, GP95, YBL16, CMS03, VWJB10]. **Lexical** [HKR92]. **libraries** [Dug02]. **LIFE** [AKP94]. **lifetime** [HBM+06]. **Lightweight** [SW97b]. **Like** [Hua90, KN06]. **Linchpin** [BGH+13]. **Linda** [Gel85]. **Line** [Bal94]. **Linear** [BL94b, FKW98, PS99, RS84a,

YR94, BKRW98, BKRW05, FMoPS11, KBC+99, Ram99, Rep98, RM10]. **Linear-Time** [YR94, BKRW98, BKRW05]. **Linearity** [KPT99]. **Linearizability** [HW90, DSW11]. **Linguistic** [LS83, Wei90, FGM+07a]. **Link** [DDD05]. **Link-time** [DDD05]. **Linking** [QL91, Dug02]. **LIPS** [CDFP89]. **LISF** [GCRN11]. **LISP** [Mul92, Pip97, SH89, Wat83]. **List** [BC79, HIT97, Kau84, Sij89]. **listing** [MDJ05]. **Literature** [Oss83]. **Live** [MWB94]. **Live-Structure** [MWB94]. **Liveness** [ACW90, GC86, OL82, RY88, HDH02]. **LL** [BF87]. **Load** [KPF95]. **Loaded** [BG89a]. **Local** [BDFZ09, CBDGF95, PT00, TSBR08, Wei89, Dam03, San96]. **Locality** [BAC16, MCT96, VALG05, ZSD09]. **Locally** [AB81, Bac84, Min84]. **locating** [JNGG10]. **lock** [KS10]. **lock-freedom** [KS10]. **locking** [AFF06]. **LOCKSMITH** [PFH11]. **Logic** [AS89, AFV98, Apt81, BGL93, BL87, BCD90, BDJ13, BMPT94, CS04, CES86, CFM94, DW89, Deb89, DL93, Deb95, DJP+16, JPP91, Kar84, LS84, Lam94, MW84, MSJ94, MMG92, SS98, Sok87, TK94, TB95, BBTS07, BMR01, BCG+07, BdlBH99, CU08, CG86, CSS99, DDV99, DPPR00, GHB+96, GW99, HVB+99, HPMS00, KWL09, LMD98, Leu04, PM06, RKRR04, SRW02, Yin11, dHB+96]. **Logical** [GGL15, GS98, RSL10, Tar07]. **Look** [DP82]. **Look-Ahead** [DP82]. **Lookahead** [KM81, MF88]. **Loop** [BAC16, CS87, MCT96, Sit79, RKSR12]. **Loops** [BAGM12, Boo82, CK94, DB85, FTJ95, Hav97, Wat91, Ano02b, LS04, LSLR05, Ram99, RDG08, SGL96, UM02]. **low** [CSCM00]. **low-end** [CSCM00]. **Lower** [PW94]. **LR** [ADGM91, BL94b, BF87, CPRT02, DMM88, Jef03, KC01, LaL81, LaL84, SS82, ST00b]. **LR-based** [KC01]. **M** [Bur91, Mul92]. **M-LISP** [Mul92]. **Machine** [CGJ+97a, Cat80, GNS+15, Gie83, Han94, LR13, ML80, RF97, SS98, Wal92, Zav85, Ano02a, CEG07, CF04, HK07, KN06, Oho07]. **machine-checked** [KN06]. **Machine-Code** [LR13]. **Machine-Independent** [ML80]. **Machine-Specific** [Gie83]. **machinery** [FKW00]. **Machines** [ACW90, Bee94, CGST95, GC86, KK98, PS93, PP91, Rob79, RCRH95, AY01, AG04, ABE+05, ABS09, TSY00, Pur91]. **Madsen** [Ell82, SM82]. **Magma2** [Tur84]. **Maintenance** [GKL94]. **Making** [JC97, Loc13]. **malware** [PCJD08]. **Management** [JP81, Mur91, van88, BP12, WCM00, Zho96]. **Managing** [Bob80]. **manipulating** [YS10]. **Manipulation** [DVLM15]. **many** [AE98]. **massive** [BHK07]. **Massively** [CGST95]. **Matching** [AC96, AGT89, CP95, KPS92, ADR06, Van06]. **Matching-Based** [CP95]. **materializations** [RMH06]. **Mathematical** [Ban11, Hes88, LW93]. **MATLAB** [DP99]. **MATLAB(R)** [JB06]. **Matrix** [FTJ95]. **Matrix-Vector** [FTJ95]. **Maximal** [BG89b, Rep98]. **Maximal-munch** [Rep98]. **Maximization** [GLO88]. **Maximum** [Kna90]. **May** [Hor97]. **May-Alias** [Hor97]. **MCALIB** [FL15]. **Measuring** [FL15]. **Mechanically** [DSW11]. **Mechanism** [CO90, YB85, DNS+06]. **Mechanisms** [Rei83, HMS06]. **Mechanizing** [Pau01]. **Median** [Com80]. **Medians** [KRS84]. **megaflops** [MMG00]. **member** [KF00]. **Memory** [AMT14, CK94, Cha93, KZC15, KK98, KRS88, MSM+16, Mis86, RCRH95, SS88, ABHI11, BP12, GMM99, GW99, JNGG10, KF00, LK02, Loc13, QR00, RR05, TSY00, TP04, VBLG04, WCM00, MMM+07]. **memory-efficient** [TP04]. **memory-hierarchy** [KF00]. **Merge** [Ber94]. **Merlin** [HBM+06]. **Message**

[CSW06, SS84, Gor04]. **Messages** [BB79, Jef03]. **meta** [Tra08]. **meta-programming** [Tra08]. **Metalevel** [Jag94]. **Metaprogramming** [CI84]. **Method** [BCD90, BF87, HL82, Jon83, Loe87, JJD98]. **Methodology** [Ban87, Her93, Sku95]. **Methods** [DAW88, KM81]. **METRIC** [MMM+07]. **Mezzo** [BPP16]. **Microanalysis** [HCHP92]. **Microcode** [MV87]. **Middle** [BDP14]. **Middle-End** [BDP14]. **Might** [Bee94]. **migration** [Piq96]. **Minimal** [FKW98, IPW01]. **Minimization** [RS84a]. **minimizing** [RMH06]. **Minimum** [GHS83]. **Minimum-Weight** [GHS83]. **Mining** [AMT14]. **Misled** [Cop94]. **miss** [GMM99]. **Mixin** [HL05, RD13]. **mixins** [ALZ03]. **ML** [Blu99, HM93, HT04, PS03, RD13, Spo86]. **Mobile** [LS03, VHB+97, BCC04, KS10, SWU10]. **mod** [Bou92]. **mode** [PS08, ZP10]. **Model** [AY01, Ang89, BK11, BL87, BGP99, CGL94, DLR16, ES97, GS98, GG85, GL94, Han81a, HW82, Hol87, KH92, MSM+16, MMG92, ND16, VSS94, ACM11, AM01, AE01, JJD98, JPS+08, KN06, KV00, Loc13, NP08, QR00, SG04, VWJB10, VALG05, YMW97]. **Model-Checking** [ES97, BGP99]. **Modeling** [AF84]. **Modelling** [AMT14]. **Models** [GJ93, KZC15]. **Modern** [BCF04, RAB+07]. **Modes** [Deb89]. **modest** [LS08]. **Modification** [Lei90, RLS+01]. **Modula** [EO80]. **Modular** [AG04, BMPT94, GL94, Jag94, KKM90, LN15, MBC04, Wei89, YB85, dJKVS12, KV00, MFRW09, MOS07b]. **modularity** [BA99]. **Module** [PAS+15, RD13]. **Modules** [CL95, HW82, Lam83, HL05]. **monadic** [MH04]. **Monitors** [BLH12, BH05b]. **Monolingual** [HK85]. **Monte** [FL15]. **Morel** [Dha91, DS88, Sor89]. **Morphing** [HS11]. **Morris** [Wis79]. **Mostly** [YF09, BBYG+05]. **Motion** [KRS94, Hai98]. **MPI** [TSY00]. **multi** [MF09]. **multi-language** [MF09]. **Multialgebraic** [WM95]. **multidimensional** [RDG08]. **MultiJava** [CMLC06]. **Multilisp** [Hal85]. **multimethod** [DAS98]. **Multimethods** [CL95]. **Multiparty** [JS94]. **Multiple** [NSTD+15]. **Multiply** [FTJ95]. **Multiprocess** [Lam79, Lam80]. **Multiprocessing** [ABR81]. **Multiprocessor** [GP81]. **Multiprocessors** [Cha93, KRS88]. **Multisource** [MMR95]. **Multithreaded** [EGP14, JSB+12, KKW14, NR06]. **Multivariate** [HAH12]. **Multiway** [Cha87, Van96a, Van96b]. **munch** [Rep98]. **Mutandis}** [SHB+07]. **Mutatis** [SHB+07]. **Mutual** [LH91, ABHI11]. **Mutual-Exclusion** [LH91]. **Myths** [Gor04].

n [CKT86]. **Naming** [BDP93]. **Natural** [GZ04, dJKVS12, ACE96]. **Neighborhood** [BG89a]. **Neighborhood-Constrained** [BG89a]. **Nested** [Cha93, NB99, ACM11]. **Nesting** [Hav97, Boy10]. **Nests** [BAC16]. **Net** [JTM98]. **Network** [WGS92, WGS93]. **Networks** [CGJ97b, GC86, KRS84, dBB85]. **Nicholson** [FA93]. **node** [JC97, UM02]. **Nodes** [CF95, Han81a]. **Nomadic** [SWU10]. **Nominal** [CU08]. **non** [BS88]. **non-** [BS88]. **Noncanonical** [Tai79]. **Noncorrecting** [Ric85]. **Nondeterminate** [TK94]. **Nondeterminism** [Ber80, Hes88, WM95]. **Nondeterministic** [QG95, MT08]. **Noninterfering** [HPR89]. **nonnumerical** [ME97]. **Nonprocedural** [PPS79]. **nonrectangular** [JLF02]. **nonscalars** [CRN+08]. **Nonsequentiality** [Bar81]. **Nonstrict** [Blo94]. **Nontermination** [PM06]. **normal** [LMD98]. **Normalize** [CRN+08]. **norms** [BCG+07]. **Notation** [Rem81, Wil82b]. **Note** [Com80, CM93, MS88, WST85, Coh85, Pal11b, YK97]. **Notes** [Sku95]. **Nothing** [BDH+16]. **Notion** [LW94]. **NP** [Hor97]. **NP-Hard**

[Hor97]. **NQLALR** [BS88]. **nulled** [SJ06]. **Numbers** [GLR83]. **numeric** [Hau96].

O [ABPS98, Car95]. **Object** [DF84, HU96, KH92, Ryu16, WCW90, WCW91, BSvGF03, DMM01, DDDCG02, FM99, GPWZ08, HBM+06, JPS+08, LPSO04, Piq96, WJS+00]. **Object-Based** [KH92]. **Object-Oriented** [HU96, Ryu16, BSvGF03, DMM01, JPS+08, WJS+00]. **Objects** [AM85, CJK95, HF87, HW90, Her93, SM89, VHB+97, Wal80, Wal81, Win84, GPV07, HBJ98, KF00, Sto04, WJS+00, Sku95]. **obligations** [DSW11]. **Observability** [Gaz83]. **Observations** [Sha82]. **Occur** [AP94]. **Occur-Check-Free** [AP94]. **Offline** [CG04, GJ05]. **Old** [AL94]. **Old-Fashioned** [AL94]. **On-Line** [Bal94]. **On-The-Fly** [CF95, BA84, LP06, PBK+07]. **One** [Bak82, BG89b, VHM+01]. **One-Pass** [Bak82]. **one-way** [VHM+01]. **online** [CG04, HVDH07]. **only** [PZJ05]. **Opacity** [QG95]. **Operating** [HM84, BCP08]. **Operational** [BLRS12, Han94, MF09]. **Operations** [AKBLN89, CK94, Lee86, LS79]. **Operator** [CSV01, Hen83, LdR81]. **Operators** [Ive79, She91]. **Optimal** [BOV85, CGST95, FK85, KRS94, Lar95, PB97, Hai98, JNZ06, KSV96, MSRR00]. **optimality** [CP96]. **Optimally** [BL94a]. **Optimistic** [PM04]. **Optimization** [Bee94, BBC16, Blo94, BAC16, BT93, DF84, DP97, DDH84, Dha91, DS88, FOW87, HG83, Pem83, PP94, SS82, Sor89, TvS82, Web95, Ass00, BHK07, KBC+99, KF03, PE08, TVA07, ZP10, CG95, LaL84, OKN06]. **Optimizations** [CC95, JSB+12, CGS+03, CKT86, GMP+00, SYK+05]. **optimize** [DMM01, VBLG04]. **Optimized** [CM93, Cop94, Hen82, WST85, DS98, UM02]. **Optimizer** [DF80, FSS83, DF81]. **Optimizers** [Gie83]. **Optimizing** [CEG07, KMM+98, LSLR05, ML80, NSZS13, QR00, BGKR09]. **Or-Parallel** [GJ93]. **orchestration** [PE08]. **Order** [AC94, AD98, Bur84, CJK95, DP97, DJP+16, JPP91, JS94, SS98, BBTS07, DF11, SKS11, SP97]. **ordering** [GS99]. **Organization** [Han81a]. **Oriented** [Bor81, Dar90, Ell82, GTWA14, GKL94, GP81, HU96, Ryu16, SM81, Tur84, YB87, YB88, BSvGF03, DWWW08, DMM01, JPS+08, WKD04, WP10, WJS+00]. **origins** [San09]. **OSI** [CDFP89]. **Output** [Ber80, BS83]. **overflow** [KOE+06]. **overhead** [BP12, SS96]. **overlays** [SWU10]. **Overload** [Bak82]. **overloading** [SS05b]. **Overview** [AOC+88]. **ownership** [DDM11, SS96]. **Oz** [VHB+97].

Package [Hil88]. **Paper** [GM81]. **Parallel** [ANP89, BOV85, BO94, BE13, Cha93, CGST95, CMN91, CL94, DS83, Fos96, GLO88, GJ93, GPA+01, HCHP92, HIT97, JF81, Kna90, Mis94, NSZS13, OA88, Rao94, SS88, BBYG+05, CG86, GB99, HBJ98, KSV96, LK02, MVV+01, RR03, YF98]. **Parallelism** [Bur84, GP95, KSV96, NB99, PW94, TCVB14, YBL16]. **Parallelization** [BAC16, BDJ13, PP94, BdlBH99, HAM+05]. **Parallelizing** [HP96, ME97, RD97]. **Parameter** [Gaz83, Zho96]. **Parameterization** [TWW82]. **Parameterized** [CGJ97b, CK93, Gaz83, RKSR12]. **Parametric** [HFC09, MMG92, SRW02, IV06]. **Parenthesis** [AS80]. **Parlog** [CG86]. **Parsed** [Wad90]. **Parser** [DDH84, LaL84, SS82]. **Parsers** [BN99, LaL81, MYD95, PK80, CPRT02, SJ06, ST00b]. **Parsing** [CH87, DMM88, Fis80, GM79, Lar95, RH87, Sam80, WG98, KC01]. **Part** [LaL81, PA85, PA86a, PA86b, Apt81]. **Partial** [AFV98, CK93, DS88, Gom92, KCL+99, Sor89, ADR06, BP12, CG04, GJ05,

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