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Title word cross-reference [SRW02]. $+$ [Han81a]. TM [Bla03]. \backslash [AW82].
 \parallel [DDDCG02]. A [DES12]. \mathcal{R} [JMSY92].
 \mathcal{R}_{Lin} [VR95]. ℓ [ADG $^+$ 94]. $O(n \log n)$
(k) [ADGM91, BL94b, KM81]. 2 [Dam03]. 3 [Pet82]. ϕ [CF95, DR05]. π [ABL03].

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

11 [ND16]. **16** [TGT20].

2 [SZLY21]. **2018** [Ahm20]. **2020** [Mül21].
2021 [Yos22]. **256** [App15].

40 [TGT20].

568 [Han81b].

8 [Ano18].

90 [DP99]. **95** [WJS⁺00].

Abstract

[BGL93, BK11, CMB⁺95, CFG⁺97, DGG97, DC22, DHH⁺24, DLR16, ELS⁺14, EO80, GS98, GMP24a, HL82, JPP91, KRR18, Lan80, LO94, LV94, LM18, LR13, Loe87, MSJ94, MXZ⁺22, MP88, SS98, She91, SCS24, TY21, Wei89, van88, ABS09, BDL⁺08, BdlBH99, Leu04, RM07, SYYH07, SJ03].

Abstraction

[BNNN22, CGL94, CL94, Der85, GMH81, GKM20, SM81, BMR05, BBTS07, GMZ00, LN02, LH08, MOSS96, PR07, Ell82].

abstractions

[BCF04]. **Access** [ABLP93, BCC04, KS83, Mis86, NBG13, SR21, HR02, HO07, KSK07, PHP02, PSS05].

Access-Right

[KS83]. **accessed** [RR05].

Accessing

[CB80]. **Accommodating** [GMP24a].

Account

[ABC⁺21]. **Accumulation** [Bir84, Bir85].

Accumulators

[Cam89]. **Accuracy** [LVRG21, CEG07, HDH02].

accurate [CG04, VBLG04, VALG05]. **ACE** [Le 88].

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[BAC16, BCEM15, CFNH18, DG19,

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[BCC04]. **aggregate** [LSLR05]. **Ahead**

[BLH12, DP82]. **al** [Ano18, TGT20].

Alarms [LLK⁺17]. **Algebra**

[Koz97, Wil82a, KBC⁺99]. **Algebraic**

[BP82, BWP87, CIJGP18, CGG⁺19, Jen97,

Lin93, SV20, JB06, SP07]. **Algorithm**

[AB81, Bak82, BB79, BAC16, BP82, Dan23,

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Hud91, JJCO19, LV94, LY98, Lei90, LT79,

LH91, MM82, MC82a, Pet82, SH89, TB98,

Wis79, BKRW98, BH99, DR05, DVD07,

JNZ06, Van96a, Van96b, Han81b, BKRW05].

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KKM90, Kro82, Kro83, Kro84, Kro85,

Kro86, Kro87, Kro88, Kro89, Kro90, Kro91,

Kro92, MM89, RD87, RH87, RP88, TM93,

WW95, Apt00, DAS98, GC01, ZGZ05].

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[BB79, Bre89, BCT94, CH90, CS95, FLBB89,

GSO94, LCBS19, Rob79, SH89, CGS⁺03,

HCS10, LGAT00, PS99, PF96, RDG08,

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[ABPS98]. **almost** [Duc08, Ram99].

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[Gri79]. **ambients** [BCC04, LS03, MH06].

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- Automated** [GRSK⁺11, KZC15, KF00, LCK⁺22, SSFZ⁺23, Sok87, JNGG10].
- Automatic** [AKNP17, AK87, Ano02a, BBC16, Cat80, CES86, DS90, KK98, Le 88, LK02, LS04, MS83, PZJ05, RH87, SSS81, SLC03, She91, VS22, Wat91, Wha94, ABHI11, ATD08, BdlBH99, CRN⁺08, ZCG⁺07].
- Automatically** [Slo95]. **Automating** [GKL94, MTSS09]. **Avoidance** [FGL94]. **Aware** [BPRB23, MQ05]. **Axiomatic** [AR80, App94a, Boe85, Sou84, YB87, YB88, LP80]. **Axioms** [Mis86].
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- 'C** [PHEK99, BR97, HSS⁺14, MRGP20, ND16, PKH07, PFH11, Ven95]. **C#** [BCF04]. **C/C** [ND16]. **C11** [JP17]. **Cache** [GMM99, KLS92, MMM⁺07, SS96, VBLG04]. **Caching** [ABM93, FK85, KS86, LST98]. **Calculational** [Bou06]. **calculi** [ABS09]. **Calculus** [ABLP93, BKL⁺97, BN94, Gom92, Kob98, LBMTT22, Miq19, MRG88, Nel89, Oho95, WM95, ABL03, AH10, BG22, Bou05, Bou06, BCC04, DES12, HR02, IPW01, Jay04, TA08a, KPT99]. **Call** [DP97, GL80, dBH21, GC01, HL05, KK07, SW97a]. **Call-by-Value** [dBH21, HL05, SW97a]. **Calls** [BNN18, Coh83, Coh85, FF08]. **Can** [Boe85, Coh91, Wir91, CG04]. **Capabilities**

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- Constraint-Based** [PW98, Ste18, DDV99, SP07].
- Constraint-Oriented** [Bor81].
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D. [Bur91]. **Data** [AMT14, ANP89, AM85, Bac84, BNNN22, BC85b, BL87, Bur90a, Cha93, CS87, Deb89, DP93, DD85, Ell82, EO80, FL81, GMH81, GEGP17, HL82, Her93, Hes88, Hol87, Jen97, JJCO19, KH92, Kam83, KZC15, KK98, KD94, LaL89, LO94, LN02, LVRG21, 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].
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FM87a, HVB⁺99, KGMO04, LK02, MDJ05, Piq96, Fra80a, Moh81, VHB⁺97]. **Distributed-Memory** [KK98, RCRH95]. **div** [Bou92]. **Dive** [YW22]. **Divergence** [SdSCP13]. **Divide** [JZX⁺24]. **Divide-and-Conquer-like** [JZX⁺24]. **DJ** [DR05, SGL96, SGL98, UM02]. **DJ-graphs** [UM02]. **DLLs** [Dug02]. **do** [SS05a]. **Documentation** [MH86]. **does** [DMP96]. **dolce** [MP10a]. **Dollars** [HL22]. **Domain** [LM18, Tra08, RM07, SS05a]. **Domains** [CMB⁺95, ELS⁺14, GS98, FH04, GLMM05]. **dominance** [Ano02b, DVD07]. **dominator** [SGL97]. **Dominators** [LT79, Ano02b, BKRW98, BKRW05]. **Don't** [AKNP17]. **Down** [HL22, SZLY21]. **drf** [MSM⁺16]. **Drinking** [CM84, MS88]. **Drive** [PK80]. **Driven** [BL87, CS87, GF85, GSW95, JJCO19, PA85, PA86a, PA86b, TGT18, YBL16, DGS97, FPS19, PF96, TGT20, YMW97]. **Dually** [MT08]. **Dummy** [Lam88]. **During** [BKB80]. **DyC** [GMP⁺00]. **Dyck** [LZR22]. **Dynamic** [ACPP91, AGT89, ASF17, BNBN22, BB79, BDM15, Bre89, CGG⁺19, CHMY19, 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, Mye18, Per90, Rep86, Wol92]. **Editorial** [AP07, App93, AG93, AF94, MP07, Mye19, Pal11a, Pal11b, Pal12, Pal13, Pal15, FP02, OP04]. **Editors** [DMM88, MM89, RTD83, Wat94]. **EDO** [OKN06]. **Effect** [Gor21, RLS⁺01]. **Effective** [BS83, Col84, JB20, KKN06, NI05, PE08, WJ98, YUW02]. **Effectiveness** [BdlBH99, SH89]. **Effects** [Boe85, MXZ⁺22, SV20, 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, PG21, PKH07, PA85, PA86b, RH87, SS08, SA00, SS88, TN19, 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, SCP23, 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, RSPS23, DDM11]. **Enclaved** [BNV⁺21]. **Encoding** [Hob84, GZ05, ZP07]. **Encodings** [BC79, TY21]. **End** [BDP14, CSCM00]. **enforcement** [HMS06]. **Enforcing** [CEI⁺07, RKW⁺23]. **engines** [SS08, SS09]. **enhanced** [GH97]. **Entries** [LaL84, SS82]. **Enumeration** [BB94, JJD98]. **Environment** [CO90, SZBH86, CKT86]. **Environmental** [SKS11, SV19]. **Environments** [BS86, GKL94, HK85, HT86, Kai89, dJKVS12]. **Epochs** [Sol92]. **equalities** [FMoPS11]. **Equality** [Pal98]. **Equality-based** [Pal98]. **Equations** [HO82, Bou06, GS11, GMM99]. **Equiprobable** [PB80]. **Equivalence** [SV20, VJB12, VSS94]. **Equivalent** [PO95, NP08]. **Erlang** [TCP⁺17]. **Erratum** [SS09]. **Error** [AB81, Bac84, BN99, BF87, FL15, KC01, LaL84, MF88, MYD95, PK80, Ric85, SSS83, SS82, Wet82, ZMVPJ17, dJKVS12, Jef03, XA07]. **Errors** [AWW95,

- SBB⁺19, Wha94, CPRT02, JNGG10].
- Escape** [Bla03, CGS⁺03]. **ESOP** [Ahm20, Mül21, Yos22]. **ESOP’05** [Sag07].
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- Evaluations** [BDH⁺16]. **Evaluator** [Gom92, JP81, KR79, Le 88]. **Evaluators** [CP95]. **Event** [Bar81, BPRB23, YMW97].
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- Evidence-Based** [CGJ⁺97a]. **Example** [CM86a, Mye90, Nix85]. **Examples** [Oss83, Jef03]. **Exception** [YB85, YB87, YB88, LS98, LP80, OKN06].
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- Expressions** [BG89b, CGST95, CC97, DAW88, Fis80, Geo84, Gri82, Hen83, HY91, KS83, LdR81, PK82, Sha82, Sit79, Wat91, Dam03, NN86].
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- FeatherTrait** [LS08]. **Featherweight** [IPW01, LST02, LS08]. **Feature** [ASAVF19, AH10]. **Feature-Specific** [ASAVF19]. **Feeding** [PA86a]. **Fence** [AKNP17]. **Few** [HL22]. **Fickle** { [DDDCG02, AAD⁺07]. **field** [PKH07]. **field-sensitive** [PKH07]. **fields** [PZJ05].
- FIFO** [FLBB89]. **Final** [Kam83]. **Finding** [KRS84, KKM90, LT79]. **Fine** [DSFG21, HL22, PBR⁺15, DNS⁺06].
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- fingerprinting** [CTT07]. **Finitary** [AH98].
- Finite** [ACW90, BLH12, CES86, Dan23, GC86, PK82, PP91, Pur91, RSL10, Zav85].

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frontiers [Ano02b]. **full** [GB99]. **Fully** [JPP91, TY21]. **function** [DR05, FF08].
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General [BGL93, CHMY19, HSS⁺14].
General-Purpose [HSS⁺14].
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[JKT23, PPS79]. **Generators**
 [Cat80, GHK81]. **Generic** [LV94, DDM11].
generics [IV06]. **Geometry** [CR87].
Georgeff [NN86]. **GJ** [IPW01]. **Glanville**
 [MSRR00]. **Global** [Bac84, Dha91, GHB⁺96,
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 dHB⁺96, CS04, KBC⁺99, DS88]. **Globally**
 [DHH⁺24]. **GLR** [SJ06]. **Goal**
 [Dar90, Gud92, SYYH07]. **Goal-Directed**
 [Gud92, SYYH07]. **Goal-Oriented** [Dar90].
Goto [CF94]. **GPU** [BCD⁺15]. **Gradual**
 [TGT18, TGT20]. **Gradualizing**
 [LBMTT22]. **Graham** [MSRR00].
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Graph [Ass00, Bee94, BCT94, CFR⁺91,
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 [GKM20, HRB90, KPS92, Kna90, SGL98,
 DR05, JC97, KSK07, SGL96, UM02]. **grid**
 [VWJB10]. **Grimmer** [Ano18]. **groundness**
 [CSS99]. **Grover** [BH99]. **growth**
 [BALP06]. **Guarantee**
 [GEGP17, LFF14, SZLY21, HQRT02].
guarantees [LS09]. **guard** [MP07].
guarded [SP07]. **Guardians** [LS83].
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 [FP02, OP04, DeM83, Per90, Rep86, Wol92].
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 [OLH⁺16]. **guiding** [VALG05].

Hackers [App94a]. **Hancock** [CFP⁺04].
handle [VJB12]. **Handling**
 [CCEG23, Hau96, LdR81, Piq96, SSS83,
 UM02, YB85, YB87, YB88, CRN⁺08, LS98,
 LP80, SSD09, Hen83]. **Hard** [Hor97].
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harmful [Gor04]. **Hashing** [PB80, Duc08].
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 [KSK07, BALP06, KF00, YS10].
heap-manipulating [YS10]. **Heavily**
 [BG89a]. **Hennessy** [CM93, WST85].
Herding [AMT14]. **Heuristic** [SL92].
hiding [LN02, OYR09]. **hierarchic** [AG04].
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hierarchically [MBC04]. **hierarchies**
 [ST00a, Van96a, Van96b]. **hierarchy** [KF00].
High [Cam89, Fat82, MSM⁺16, URJ18,
 CMS03, VWJB10]. **High-Level**
 [Cam89, Fat82, CMS03, VWJB10].
High-Performance [URJ18]. **Higher**
 [AC94, AD98, CJK95, DJP⁺16, FPS19,
 SV19, BBTS07, DF11, SKS11, SP97].
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Highly [Her93, Sku95]. **Hoare**
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Hoc [MDCB91]. **Holistic** [ZMVPJ17].
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 [HIT97]. **HOP** [BLRS12]. **Hot** [VP23].
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hyperdoctrines [BBTS07].

I-Structures [ANP89]. **I/O** [Car95]. **Icon**
 [GHK81, Gri82]. **id** [Bee94]. **idempotency**
 [KOE⁺06]. **Identical** [FLBB89].
Identification [BGH⁺13, SBE⁺19].
Identifiers [SSFZ⁺23]. **identify**
 [MMM⁺07]. **Identifying** [Ram99, SGL96].
Idioms [PP94]. **IDL** [Lam87]. **IEEE**
 [Fat82]. **Ignorance** [GNS⁺15]. **Illustrative**
 [Oss83]. **Immutability** [RSPS23]. **Impact**
 [BHM⁺19, OLH⁺16, CKT86]. **Imperative**
 [AB20, ABPS98, DFR15, Gro06].
Implementation [AKBLN89, AOC⁺88,
 BCD⁺15, Bou88, Bre89, BS83, CM86b,

GMH81, Gaz83, Lin93, MDCB91, NN24, PXL95, RL98, WL85, CMCLC06, 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** [VP23, KF00]. **Improved** [GHR80, Mur91, KK07]. **Improvement** [MS83, San96]. **Improvements** [BCT94]. **Improving** [CK94, CMB⁺95, MCT96, SSFZ⁺23, TCP⁺17, WS97]. **impure** [Pip97]. **Incomplete** [MRGP20, GLMM05]. **Incremental** [Bur90a, CP95, DMM88, GM79, HKR92, HKR94, HPMS00, Hud91, Kai89, Lar95, LST98, LHR19, PS92, RTD83, RP88, SGL97, WG98, YS91, BBYG⁺05, CP96, Van96a, Van96b]. **Incrementally** [QL91]. **Independence** [DHM00, GGSV22, 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]. **Inductive** [LBMTT22]. **inefficiencies** [MMM⁺07]. **Inessential** [SS82, LaL84]. **Inference** [CEW14, Deb89, Hen93, LO94, LY98, MRGP20, Pad19, SR21, TB98, Wey83, FFLQ08, JB06, PM06, PT00, PS03, Van06]. **Inferring** [FNBG20]. **Influence** [FTJ95]. **Information** [AR80, Ano82, Ano83, Ano84, Ano85, Ano86b, Ano87, Ano88b, Ano89b, Ano90b, Ano91b, Ano92b, ASF17, BC85b, HR02, NBG13, PBR⁺15, PS03, RSPS23, GS99, HY07, LN02, OYR09, TZ07]. **Information-Flow** [BC85b, TZ07]. **infrastructure** [SWU10]. **Inheritance** [LN15, WT11]. **initialization** [FM99]. **Injection** [SBE⁺19]. **Input** [BS83, SJW23, vPS81]. **Input-Output** [BS83]. **Inputs** [PA86a]. **Insensitive** [Hor97, FJKA06]. **Insertion** [AKNP17, GJ05]. **inspection** [CF04, FG03]. **Instantiation** [Der85]. **Instead** [Lam84, Rem81]. **Instruction** [KPF95, LCBS19]. **Instructions** [LS80, PS93, RF97, Rob79, LPP01]. **Integer** [BAGM12, BEF⁺16, FNBG20, HSD22, BGP99]. **Integrated** [SS13]. **Integrating** [HPR89, WJS⁺00]. **Integration** [CO90, Leu04]. **Intensional** [STS03]. **Interaction** [WSH15, WT11, van88, BCM99]. **Interactions** [GDF23, JS94]. **Interactive** [ACS84, BS86, SCS24]. **Interconnectability** [TY18]. **Interface** [Win87, van88]. **Interfaces** [DS90, Mye90, TLHL11, WT11]. **Interferences** [FTJ95]. **Interfering** [Jon83]. **Interleaved** [LZR22]. **Interleaved-Dyck** [LZR22]. **Intermediate** [Lam87, Pem83, TvS82]. **Internal** [Han81a]. **International** [Wol92]. **Interoperability** [Ano18, GSS⁺18]. **interoperable** [BFGT08]. **Interpretation** [BGL93, CFG⁺97, DC22, DLR16, GMP24a, KRR18, LV94, MSJ94, SCS24, BDL⁺08, BdlBH99, DGG97, Leu04, SYYH07]. **Interpretation-Based** [DLR16]. **Interpretations** [CMB⁺95, HY91, SJ03]. **Interpreters** [LR13, CEG07]. **Procedural** [Bur90a, BT93, DP97, HAM⁺05, HS94, HBCC99, HRB90, LWR21, ML21, NR06, SH89, CKT86, DVD07, DGS97, FMoPS11, JLRs10, KK07, RLS⁺01]. **Interprocess** [RS84b]. **Interprocessor** [Ang89]. **Interruptible** [BNV⁺21]. **intersection** [Dam03]. **Intertask** [FY85]. **Interval** [Bur90a, GNS⁺15, FH04]. **Interval-Based** [Bur90a]. **Introduction** [Ahm20, DeM83, HCW82, Mül21, Per90, Rep86, Sag07, Wol92, Yos22]. **Invariant** [BKB80]. **Invariants** [Cla80, GEGP17]. **Irreducible** [Hav97, UM02]. **irregular**

- [YF98]. **Irrelevant** [GP81]. **Iso** [LBN17, ZZO22]. **Iso-Recursive** [LBN17, ZZO22]. **Isolation** [Wha94]. **Isomorph** [JJD98]. **Isomorph-free** [JJD98]. **Issue** [Ahm20, Ano18, TGT20, Yos22, Sag07]. **Issues** [BO94]. **Iterable** [Gor21]. **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, RRB19, SLC03, SMP10, SBE⁺19, SA99, SYK⁺05, TN19, TSL⁺02, WR08]. **Java-like** [KN06]. **JavaCOP** [MME⁺10]. **JavaGI** [WT11]. **join** [WKD04]. **JR** [KGMO04]. **Jump** [LS80, RS84a]. **Just** [DLR16, TN19, SYK⁺05]. **Just-In-Time** [TN19, 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, Ano18, ABPS98, BS86, BPP16, BO94, Bor81, BC91, DVLM15, Fat82, Fea87, FFF⁺18, GSS⁺18, Gud92, Hal85, HSG17, JMSY92, JPP91, Kai89, LVRG21, McG82, Per79, PPS79, RTD83, RCS93, RKW⁺23, SCR24, Spo86, SNS⁺14, SDD21, Tur84, Wet82, Win87, YS91, YB87, dJKVS12, van88, Bou05, BSvGF03, CFP⁺04, DWW08, DF98, FM99, Gro06, HBJ98, KN06, LP99, MF09, MWCG99, PPT08, PHEK99, Tra08, VHKO02, HCW82, YB88]. **Language-Based** [Kai89, RTD83]. **Languages** [Ano18, AR84, AD98, Bar81, BL94b, BHM⁺19, Blo94, BM94, BWP87, CDFP89, CMPP23, DHH⁺24, Dug99, Fos96, FL91, HU96, Lee86, LR19, LMM21, MSM⁺16, Mur91, Ryu16, SV19, TK94, TGT20, AAR⁺10, ACM11, DHM00, GW99, RS97, Rhi03, SRW98, SKS11, SP97, SWU10, Wol92]. **Larch** [Win87]. **Large** [GLR83, HSD22, MK94, MH86, WCW90, WCW91, ZSS20]. **Large-scale** [ZSS20]. **Lattice** [AKBLN89, MMR95, FH04]. **Lauer** [GM81]. **Layout** [KK98, LVV⁺83, GPWZ08, KF00]. **Lazy** [ABM93, FKW00, HKR94, Hud91, ITF⁺22, TCVB14, Chi05]. **LCF** [Sok87]. **lead** [SS05a]. **Leader** [Hua93, KKM90]. **leak** [HDH02]. **learned** [VHM⁺01]. **Learning** [CGJ⁺97a, HOYY18, JJCO19, SR21]. **Least** [AB81, Bac84]. **Least-Cost** [AB81, Bac84]. **Left** [FKW98]. **Left-Linear** [FKW98]. **legacy** [NCH⁺05]. **length** [SMP10]. **Lessons** [URJ18, VHM⁺01]. **Let** [LY98]. **Let-Polymorphic** [LY98]. **Level** [BPRB23, Cam89, Fat82, GP95, YBL16, CMS03, VWJB10]. **Lexical** [HKR92, SJW23]. **libraries** [Dug02]. **LIFE** [AKP94]. **lifetime** [HBM⁺06]. **Lifetimes** [Pea21]. **Lightweight** [Pea21, SW97b]. **Like** [Hua90, JZX⁺24, KN06]. **Limitations** [CP17]. **Linchpin** [BGH⁺13]. **Linda** [Gel85]. **Line** [Bal94]. **Linear** [BL94b, FKW98, PS99, RS84a, TDA⁺23, YR94, BKRW98, BKRW05, FMoPS11, KBC⁺99, Ram99, Rep98, RM10]. **Linear-Time** [YR94, BKRW98, BKRW05]. **Linearity** [KPT99]. **Linearizability** [HW90, DSW11]. **Linearization** [SCP23]. **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]. **Lists** [Dan23]. **Literature** [Oss83]. **Live** [DSFG21, MWB94]. **Live-Structure** [MWB94]. **Liveness** [ACW90, GC86, OL82, RY88, HDH02]. **LL** [BF87]. **LLVM** [HL22]. **Load** [KPF95]. **Loaded** [BG89a]. **Local** [BDFZ09, CBDGF95, HMY⁺24, PT00, SDB20, TSBR08, Wei89, Dam03, San96]. **Local-first** [HMY⁺24]. **Locality** [BAC16, MCT96, VALG05, ZSD09]. **Locally** [AB81, Bac84, DHH⁺24, Min84]. **locating** [JNGG10]. **Locator** [ZMVPJ17]. **Lock** [GEGP17, KS10]. **Lock-Free** [GEGP17]. **lock-freedom** [KS10]. **locking** [AFF06]. **LOCKSMITH** [PFH11]. **Logic** [AS89, AFV98, Apt81, BNNN22, BGL93, BL87, BCD90, BDJ13, BMPT94, CS04, CES86, CFM94, DW89, Deb89, DL93, Deb95, DJP⁺16, JPP91, Kar84, LS84, Lam94, MW84, MSJ94, MMG92, MPLM23, PZ22, SS98, Sok87, TK94, TB95, dBH21, BPTS07, BMR01, BCG⁺07, BdIBH99, CU08, CG86, CSS99, DDV99, DPPR00, GHB⁺96, GW99, HVB⁺99, HPMS00, KWL09, LMD98, Leu04, PM06, RKRR04, SRW02, Yin11, dHB⁺96]. **Logical** [BNN18, GGL15, GS98, TY18, RSL10, Tar07]. **Look** [DP82, GMN⁺21]. **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]. **LoRe** [HMY⁺24]. **low** [CSCM00]. **low-end** [CSCM00]. **Lower** [FN BG20, PW94]. **LR** [LaL84, ADGM91, BL94b, BF87, CPRT02, DMM88, Jef03, JP17, KC01, LaL81, SS82, ST00b]. **LR-based** [KC01]. **M** [Bur91, Mul92]. **M-LISP** [Mul92]. **Machine** [CGJ⁺97a, Cat80, GNS⁺15, Gie83, Han94, JJCO19, LR13, ML80, RF97, SS98, SDB20, Wal92, Zav85, Ano02a, CEG07, CF04, HK07, KN06, Oho07, RRB19]. **machine-checked** [KN06]. **Machine-Code** [LR13]. **Machine-Independent** [ML80]. **Machine-Learning** [JJCO19]. **Machine-Specific** [Gie83]. **machinery** [FKW00]. **Machines** [ACW90, Bee94, CGST95, GC86, KK98, PS93, PP91, Rob79, RCRH95, AY01, AG04, ABE⁺05, ABS09, TSY00, Pur91]. **Made** [LM22]. **Madsen** [Ell82, SM82]. **Magma2** [Tur84]. **Maintenance** [GKL94]. **Making** [JC97, Loc13]. **malware** [PCJD08]. **Management** [JP81, Mur91, SDB20, van88, BP12, WCM00, Zho96]. **Managing** [Bob80]. **Manifest** [SIG17]. **manipulating** [YS10]. **Manipulation** [DVLM15]. **Manipulations** [SBS22]. **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]. **Measures** [NcS20]. **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, CBMO19, FSH23, KZC15, KK98, KRS88, LB22, 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, VMLY22, Gor04]. **Messages** [BB79, Jef03]. **meta** [Tra08].
meta-programming [Tra08]. **Metalevel** [Jag94]. **Metaprogramming** [CI84].
Method [BNN18, BCD90, BF87, HL82, Jon83, Loe87, JJD98]. **Methodology** [Ban87, Her93, Sku95]. **Methods** [DAW88, KM81]. **METRIC** [MMM⁺07].
Mezzo [BPP16]. **Microanalysis** [HCHP92].
Microcode [MV87]. **Microprocessors** [BNV⁺21]. **Middle** [BDP14]. **Middle-End** [BDP14]. **Might** [Bee94]. **migration** [Piq96]. **Minification** [HLH19]. **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, CBMO19, HM93, HT04, PS03, RD13, Spo86]. **Mobile** [LS03, VHB⁺97, BCC04, KS10, SWU10].
mod [Bou92]. **Modalities** [SV20]. **mode** [PS08, ZP10]. **Model** [AY01, Ang89, BK11, BL87, BGP99, CMPP23, CGL94, DLR16, ES97, GS98, GG85, GL94, HMY⁺24, Han81a, HW82, Hol87, JB20, JJCO19, 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, ADG⁺21]. **Models** [FSH23, GJ93, KZC15]. **Modern** [BCF04, LMM21, YW22, RAB⁺07]. **Modes** [Deb89]. **modest** [LS08]. **Modification** [Lei90, RLS⁺01]. **Modula** [EO80]. **Modular** [AG04, BMPT94, CDK⁺18, EMH20, GL94, HRV⁺23, JBK18, Jag94, KKM90, LN15, MBC04, Wei89, YB85, dJKVS12, KV00, MFRW09, MOS07b]. **modularity** [BA99].
Module [PAS⁺15, RD13]. **Modules** [CL95, HW82, Lam83, HL05]. **Modulo** [FSH23]. **Monadic** [DG19, MH04].
Monitors [BLH12, BH05b]. **Monolingual** [HK85]. **Monte** [FL15]. **Morel** [Sor89, Dha91, DS88]. **Morphing** [HS11].
Morris [Wis79]. **Mostly** [YF09, BBYG⁺05].
Motion [KRS94, Hai98]. **MPI** [FJK⁺17, TSY00]. **Multi** [Ano18, GSS⁺18, ITF⁺22, YGRBA23, MF09]. **Multi-Cores** [YGRBA23].
Multi-Language [Ano18, GSS⁺18, MF09].
Multi-threaded [ITF⁺22]. **Multialgebraic** [WM95]. **multidimensional** [RDG08].
MultiJava [CMCLC06]. **Multilisp** [Hal85].
multimethod [DAS98]. **Multimethods** [CL95]. **Multiparty** [JS94]. **Multiple** [ASF17, NSTD⁺15, SJW23]. **Multiply** [FTJ95]. **Multiprocess** [Lam79, Lam80].
Multiprocessing [ABR81].
Multiprocessor [GP81]. **Multiprocessors** [Cha93, KRS88]. **Multisource** [MMR95].
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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, DDMP22, NB99, ACM11]. **Nesting** [Hav97, Boy10]. **Nests** [BAC16]. **Net** [JTM98]. **Network** [WGS92, WGS93].
Networks [CGJ97b, GC86, KRS84, dBB85]. **Newtonian** [RTP17]. **Nicholson** [FA93].
No [Ano18, TGT20]. **node** [JC97, UM02].
Nodes [CF95, Han81a]. **Nomadic** [SWU10].
Nominal [CU08]. **Non** [CFG19, DL18, LLK⁺17, Mye18, BS88].
non- [BS88]. **Non-Deterministic**

- [Mye18, DL18]. **Non-polynomial** [CFG19].
Non-Statistical [LLK⁺17]. **Noncanonical** [Tai79]. **Noncorrecting** [Ric85].
Nondeterminate [TK94].
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[Ber80, CCEG23, Hes88, WM95].
Nondeterministic [QG95, MT08].
Noninterfering [HPR89]. **nonnumerical** [ME97]. **Nonprocedural** [PPS79].
nonrectangular [JLF02]. **nonscalars** [CRN⁺08]. **Nonsequentiality** [Bar81].
Nonstrict [Blo94]. **Nonterminating** [ML21]. **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]. **Number** [Ste22]. **Numbers** [GLR83]. **numeric** [Hau96].
- O** [ABPS98, Car95]. **Object**
[DF84, GMP24b, HU96, KH92, Ryu16, Ste22, WCW90, WCW91, BSvGF03, DMM01, DDDCG02, FM99, GPWZ08, HBM⁺06, JPS⁺08, LPSO04, Piq96, WJS⁺00].
Object-Based [KH92]. **Object-Oriented**
[HU96, Ryu16, Ste22, GMP24b, 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**
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Observations [Sha82]. **Obsidian**
[COE⁺20]. **Occur** [AP94].
Occur-Check-Free [AP94]. **Octagons**
[GMN⁺21]. **Off** [SBB⁺19]. **Offline**
[CG04, GJ05]. **Old** [AL94]. **Old-Fashioned**
[AL94]. **Omnisemantics** [CCEG23].
On-Line [Bal94]. **On-The-Fly**
[CF95, BA84, URJ18, LP06, PBK⁺07]. **One**
[Bak82, BG89b, VHM⁺01]. **One-Pass**
[Bak82]. **one-way** [VHM⁺01]. **online**
[CG04, HVDH07]. **only** [PZJ05]. **OO**
[RSPS23]. **Opacity** [QG95]. **OpenJDK**
[YW22]. **Operating**
[HLH⁺23, HM84, BCP08]. **Operational**
[BLRS12, Han94, MF09]. **Operations**
[AKBLN89, CK94, Lee86, LS79]. **Operator**
[CMPP23, CSV01, Hen83, LdR81].
Operators [Ive79, She91]. **Optimal**
[BOV85, CGST95, FK85, JCMM19, KRS94, Lar95, PB97, Hai98, JNZ06, KSV96, MSRR00]. **optimality** [CP96]. **Optimally**
[BL94a]. **Optimistic** [PM04].
Optimization [BPRB23, Bee94, BBC16, Blo94, BAC16, BT93, DF84, DP97, DDH84, Dha91, DS88, FOW87, HG83, HOYY18, Pem83, PP94, RRB19, SS82, Sor89, TvS82, Web95, Ass00, BHK07, KBC⁺99, KF03, PE08, TVA07, ZP10, CG95, LaL84, OKN06].
Optimization-Aware [BPRB23].
Optimizations [CC95, JSB⁺12, CGS⁺03, CKT86, GMP⁺00, SYK⁺05]. **optimize**
[DMM01, VBLG04]. **Optimized**
[CM93, Cop94, Hen82, WST85, DS98, UM02].
Optimizer [DF80, FSS83, HRL⁺23, DF81].
Optimizers [Gie83]. **Optimizing**
[CEG07, KMM⁺98, LLOY23, LSLR05, ML80, NSZS13, QR00, BGKR09].
Or-Parallel [GJ93]. **orchestration** [PE08].
Order [AC94, AD98, Bur84, CJK95, DP97, DJP⁺16, JPP91, JS94, SS98, BBTS07, DF11, FPS19, MPLM23, SKS11, SV19, SP97].
Ordered [SCR24]. **Ordering**
[FSH23, GS99]. **Organization** [Han81a].
Oriented [Bor81, Dar90, Ell82, FFF⁺18, GTWA14, GKL94, GP81, HU96, Ryu16, SM81, Ste22, Tur84, YB87, YB88, BSvGF03, DWW08, DMM01, GMP24b, 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].
Paradigms [JZX⁺24]. **Parallel** [ANP89, BG22, BOV85, BO94, BE13, Cha93, CGST95, CMN91, CL94, DS83, Fos96, GLO88, GJ93, GPA⁺01, HCHP92, HIT97, JF81, Kna90, LHR19, Mis94, NSZS13, OA88, Rao94, SS88, VMLY22, YGRBA23, 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, RKS12].
Parametric [HFC09, MMG92, SRW02, IV06].
Parametricities [DPP22]. **Parenthesis** [AS80]. **Parlog** [CG86]. **Parsed** [Wad90].
Parser [DDH84, JKT23, JP17, LaL84, SS82].
Parsers [BN99, LaL81, MYD95, PK80, CPRT02, SJ06, ST00b]. **Parsing** [CH87, DMM88, Fis80, GM79, Lar95, RH87, Sam80, SJW23, WG98, KC01]. **Part** [LaL81, PA85, PA86a, PA86b, Apt81].
Partial [AFV98, CP17, CK93, DS88, Gom92, KCL⁺99, SCP23, Sor89, ADR06, BP12, CG04, GJ05, LMD98, Leu04, ST00b].
Partially [BLH12, Kob98, VP23, RRSY08].
partially-flow-sensitive [RRSY08].
partitioning [RM07, YF09]. **Parts** [Son87].
Pascal [LS79]. **Pass** [Bak82, BM94].
Passing [BDM15, Gaz83, SS84, VMLY22, CSW06, Gor04, Zho96]. **Passive** [AKP94].
Passport [SSFZ⁺23]. **past** [PM09]. **Path** [Blo94, CIJGP18, SMP10]. **path-length** [SMP10]. **Patient** [FFF⁺18].
Patient-Oriented [FFF⁺18]. **Pattern** [EGP14, ADR06, Jay04, MTSS09, Van06].

Pattern-Based [EGP14]. **Patterns** [GH80].
PDS [Han81b]. **PEAK** [PE08]. **Peephole** [DF80, DF81, Pem83, TvS82]. **PegaSys** [MH86]. **Pennello** [Sag86]. **Perfect** [Duc08].
Performance [HU96, MSM⁺16, PB80, URJ18, VP23, KF00, PE08]. **Performed** [Coh91, Wir91]. **Permission** [BPP16, SNS⁺14]. **Permission-Based** [BPP16, SNS⁺14]. **permissions** [Boy10].
Persistent [AM85]. **Petri** [JTM98].
Petri-Net-Based [JTM98]. **Phases** [Bar81]. **Philosopher** [CM84].
Philosophers [MS88]. **Pi** [BG22, HR02, KPT99]. **Pi-calculus** [BG22, HR02, KPT99]. **pict** [SWU10].
Pictures [MH86]. **Pipeline** [HG83].
Pipelined [BG89b, LPP01, RDG08].
pipelining [ME97]. **pitfalls** [Mon08]. **PL** [CD79, CZ84, FFF⁺18]. **PL/CS** [CD79].
PL/CV3 [CZ84]. **place** [GW99].
Placement [DP93, GS99, vHK00].
Platform [TCP⁺17]. **pluggable** [MME⁺10].
Plurals [Ste22]. **Pluto** [BAC16]. **Point** [CK94, Fat82, SBB⁺19, GJ05, Hau96, Mon08]. **Pointer** [LTMS20, LHR19, LS79, RR03, SDB20, HBCC99, HVHD07, PKH07, RLS⁺01].
Pointers [SS13, RR05]. **Points** [GKM20, WKD04]. **Points-to** [GKM20].
Pointwise [VSS94]. **Policies** [NBG13, BDFZ09, FGM07b]. **Policy** [Kro82, Kro83, Kro84, Kro85, Kro86, Kro87, Kro88, Kro89, Kro90, Kro91, Kro92, UJ92, BFG08].
policy-based [BFG08]. **Polyhedra** [GVC15]. **Polyhedral** [GVC15, QR00].
POLYLITH [Pur94]. **PolyMage** [JB20].
Polymorphic [BMR05, Dug99, Gor21, HT04, Hen93, KTU93, LO94, LY98, Oho95, SIG17, SV96, TY21, WJ98, BSvGF03, DWWW08].
Polymorphism [Bur90b, MDCB91, HFC09].
polynomial [BAL07, CFG19]. **PolyTOIL** [BSvGF03]. **polyvariance** [LMD98].
Polyvariant [AC94, WJ98]. **POP**

- [FFF⁺18]. **POP-PL** [FFF⁺18]. **Portable** [DDH84, Han81b, HK07]. **Porting** [HLH⁺23]. **Possibly** [JP17, ML21]. **Postfix** [DS83]. **Postpass** [HG83]. **Power** [TWW82, SSD09]. **Powerlist** [Mis94]. **PPMexe** [DKV07]. **PQ** [GZ05]. **PQ-encoding** [GZ05]. **Practical** [AD98, BAC16, BF87, CP17, Dha91, LR19, ND16, PBR⁺15, SS13, TSL⁺02, WC97, Bou05, DR05, DVD07, DGS97, JNZ06, PFH11]. **Practice** [KRS94, Ryu16, Bla03, DRSS96]. **Pragmatic** [BDH⁺16]. **Pragmatics** [Gom92]. **Pre** [OLH⁺16]. **Pre-Analysis** [OLH⁺16]. **Precedence** [CMPP23, Hen83, LdR81]. **Precise** [CDK⁺18, FJK⁺17, GKM20, Hor97, TN19, PHP02]. **Precise-Yet-Efficient** [TN19]. **precision** [ZGZ05]. **Precondition** [Boo82]. **Predicate** [Lam90, BMR05, Bou05, Bou06, MFRW09, MMS96, PR07]. **Predicates** [CBDGF95, Lam88]. **predictable** [SHB⁺07, HK07]. **Prediction** [CGJ⁺97a, CEG07, YS99]. **Predictive** [FJK⁺17]. **Prepaging** [FK85]. **Prescription** [FFF⁺18]. **Presence** [AWW95, CF94, KTU93]. **preserving** [DHS09, LST02]. **pretenuring** [BHM⁺07]. **Pretty** [Chi05]. **Prettyprinter** [Wat83]. **Prettyprinting** [Opp80]. **Primitive** [App15]. **principals** [TZ07]. **Principled** [LTMS20]. **Principles** [Bou88, DRSS96]. **printing** [Chi05]. **Priority** [CH90, Fid93]. **Priority-Based** [CH90]. **Prisma** [RKW⁺23]. **Privacy** [BKOZB13, LVRG21, TDA⁺23]. **Privileges** [Min84]. **Probabilistic** [AB20, BKOZB13, CFNH18, DG19, HSP83, MMS96, OGJ⁺18, Rao94, SV19, BH99, PPT08]. **Problem** [ADG⁺94, CM84, DS88, Gho93, LSP82, MS88, Pet82, Pet83b, PB97, Sor89, FGM⁺07a, Wu04]. **Problems** [Bac84, CFNH18, DP93, MMR95, SRW98]. **Procedural** [HF87, Lin93, VSS94]. **Procedure** [CDK⁺18, GS99, GL80]. **Procedure-Modular** [CDK⁺18]. **Procedures** [AM85, Kat84, NO79]. **Process** [Kob98, vPS81, WP10]. **process-oriented** [WP10]. **Processes** [AFdR80, Bag89, FDY12, HM84, KS79, MW84, MC82b, Oss83, RY88, Sou84, TY18, dBB85, AE98, KS10, Ber80, Moi83]. **Processing** [GH80, HSG17, Rei83]. **Processor** [BG89b, Bud84]. **Processors** [GLR83, Per79, LPP01, ZP10]. **Product** [EMH20, RTP17]. **Production** [Wad90]. **Productivity** [Sij89]. **Profile** [BHM⁺07, YUW02]. **Profile-based** [BHM⁺07]. **Profiles** [VP23]. **Profiling** [ASAVF19, BL94a, BPRB23, SP97]. **Program** [Bal94, BNBN22, Bar85, BAL07, BKB80, Col84, DKKL18, Der85, FPS19, Fea82, FOW87, FT94, FL91, HSP83, HKR94, HSD22, HLH⁺23, Jen97, JJCO19, KKW14, KWL09, Lam83, Lam88, LLOY23, LFF14, LWR21, MS83, MW80, Mis81, Nie85, PP94, PPS79, Rem81, RTP17, SBS22, TSY00, Wat94, Wey83, ZSD09, Ass00, DDD05, GZ04, KF03, LH08, NS13, Pau01, RAB⁺07, SLC03, WZ07, WN08, YF09, DVK07]. **Programming** [AGT89, Ano18, AR84, ABPS98, BS86, BPP16, BHM⁺19, BL87, Bir84, Bor81, BMPT94, BWP87, BCEM15, CHY12, COE⁺20, CL94, Dar90, DFR15, DGL⁺79, DHH⁺24, Dug99, FFF⁺18, Fos96, FL15, GTWA14, GMP24b, HMY⁺24, Har80, HK85, HO82, Kai89, KH92, Lee86, LVV⁺83, LMM21, LVRG21, MK94, Mye90, OGJ⁺18, Pet83b, RCS93, SS84, Ste22, SNS⁺14, SZBH86, TK94, TGT20, YGRBA23, ZSO21, ABH06, BMR01, Bou06, BdlBH99, CU08, CG86, CKT86, DWWW08, DPPR00, GW99, HBJ98, JPS⁺08, KGMO04, MVV⁺01, MTSS09, MQ05, Tra08, VWJB10, WKD04, WJS⁺00, Bir85, SWU10]. **Programming-in-the-Large** [MK94]. **Programs** [AWW95, AK87, AFV98, AB20, AR80, AP94, AC94, BL94a, Ban87, BGL93, BC85a, BC85b, Ber94, BCD90, BE94, BE13,

- BEF⁺16, CR87, CB80, CM86a, Cha93, CFNH18, CFG19, CEW14, CMN91, Cla80, CFM94, CS87, DSFG21, DL18, DGMP97, DW89, Deb89, DL93, Deb95, DP97, Dil90, EMH20, EGP14, FJK⁺17, FN BG20, GG85, GM81, Har80, HCHP92, HPR89, How80, HIT97, ISY88, ITF⁺22, JBK18, JW17, Jon83, JF81, Kna90, Lam79, LS83, MSJ94, ML21, MTK21, MRGP20, MH86, Mye18, NSZS13, OA88, OL82, PS92, QL91, Rao94, SS98, Sch82, SSS81, SS88, TOUH21, TN19, VMLY22, Ven95, Wad90, Web95, Wil82a, AE01, AAE04, BCG⁺07, CSW06, CSS99, DP99, DDV99, DS98, DMM01, EGM01, GM12, GHB⁺96, GH97, GPA⁺01, Hau96, HPMS00, JPS⁺08, KSV96]. **programs** [LMD98, Leu04, LS09, MF09, NR06, PM06, RKRR04, RR03, San96, VJB12, WM12, YS10, Yin11, dHB⁺96, Bur84, Lam80].
- PROLOG** [LV94, AP94, AB94, BC91, CH87, FA93, GPA⁺01, MWB94, NF89, Zho96].
- Promotion** [Bir84, Bir85]. **Proof** [AFdR80, BDJ13, FRW90, GL80, Moi83, Sag86, SS84, Sok87, WGS92, WGS93, AM01, DSW11, Oho07]. **proof-carrying** [AM01].
- Proof-Directed** [BDJ13]. **Proofs** [Apt86, BC85a, CM86b, HRV⁺23, JW17, LY98, Oss83, GRSK⁺11]. **Propagation** [SR95, WZ91, Apt00, CP96, SS05a, SS08, SS09]. **Properties** [ACW90, AS89, CIJGP18, Kar84, LM18, OL82, RY88, TB95, Wei89, YS10].
- Prophecy** [LM22]. **Proposed** [Fat82]. **prossima** [MP10b]. **Protected** [PAS⁺15, WJS⁺00]. **Protocol** [SL92, YS97].
- Protocols** [MB83, RKW⁺23, BFGT08, SS96].
- Prototype** [WCW90, WCW91].
- Prototypes** [HW82]. **Provably** [SDB20, GB99]. **Provenance** [ZSS20].
- provenly** [AAD⁺07]. **Proving** [DGMP97, GC86, Hen86, Kar84, Lam79, Lam80, OL82].
- Pruning** [BN99]. **PSG** [BS86]. **PSO** [FSH23]. **publish** [Eug07].
- publish/subscribe** [Eug07]. **Pure** [BNN18, HU96, Pip97, Tar07]. **Purpose** [App94b, HSS⁺14, Spo86]. **Pushdown** [CBMO19, JKT23]. **PYE** [TN19].
- qualifiers** [FJKA06]. **Qualitative** [CFNH18]. **Quality** [BHM⁺19].
- Quantification** [Vol91, Bur91]. **Quantified** [Gro06, STS03]. **Quantitative** [CFNH18].
- Quantum** [FDY12, HRL⁺23, BH99, Yin11].
- Queries** [Bal94, CGG⁺19]. **Queuing** [BB79]. **Quiescence** [CM86a].
- R** [CKT86, KMM⁺98, AW82]. **R.** [Tic88].
- race** [AFF06, PFH11]. **Races** [KZC15].
- Random** [AS80]. **Randomized** [TOUH21].
- Range** [CG95]. **Rank** [Dam03]. **Ranking** [Lee09, TOUH21]. **Ratio** [CK94]. **rational** [GS11]. **rationale** [CMLC06]. **Reach** [FKW98]. **Reachability** [LZR22, NS13, TOUH21].
- Reactive** [DFR15, AG04, DGG97]. **read** [AE01, PZJ05]. **read-only** [PZJ05].
- read/write** [AE01]. **Readable** [Spo86].
- Reading** [Pet83a]. **Real** [AL94, MMG92, RS84b, GH97, HK07, LS98, YMW97].
- Real-Time** [MMG92, RS84b, GH97, HK07, LS98, YMW97]. **realities** [Gor04]. **Reals** [DK17]. **Reasoning** [BKOZB13, BLRS12, BDP93, BP82, BH99, CB80, DSFG21, Lam88, LN15, Rao94, SDB20, dBH21, TSBR08]. **receive** [Gor04].
- receptive** [ABL03]. **Recipe** [AL94].
- reclassification** [DDDCG02]. **recognition** [ATD08]. **Recognizer** [GHR80].
- Recognizing** [BL94b]. **Recombination** [Kau84]. **Recombination-Delaying** [Kau84]. **Recompilation** [BT93, SK88, Tic86, Tic88]. **Reconciling** [HU96]. **Reconstruction** [YR94]. **Record** [LS79, Oho95]. **Recovery** [AB81, ACS84, Bac84, BF87, GHH⁺19, PK80, Ric85, dJKVS12]. **recurrences**

- [VJB12]. **Recursion** [AK82, Col84, Hen93, KTU93, Mis94, YK97]. **Recursive** [AC93, AK82, Ban87, CFG19, Coh83, Coh85, LBN17, Sij89, ZZO22, ABE⁰⁵, AM01, CF04, Dug02, Pal98]. **Recursively** [BE13]. **Reduce** [BN99, MYD95, BALP06, KOE⁰⁶, SS96]. **reduced** [SG04]. **Reducible** [Hav97, JC97]. **Reduction** [Bee94, Bur84, FRW90, Geo84, KLS92, Mul92, NN86, CSV01]. **Redundancies** [Sor89, DS88]. **redundancy** [KCL⁹⁹]. **Redundant** [Coh83, Coh85]. **Reentrant** [Bob80]. **Reexamination** [CG95]. **Refactoring** [Ste18, TFK¹¹]. **Reference** [Bob80, Pea21, Wis79, KSK07, KOE⁰⁶, LP06, MDJ05]. **reference-counting** [LP06]. **References** [Han92, TGT18, TGT20, SV96]. **Referencing** [LS81]. **Referential** [QG95]. **Refinement** [BBF¹¹, BKL⁹⁷, BCEM15, CM86a, DGL⁷⁹, EKD23, GEGP17, JLP¹⁴, MRG88, SL92, AG04, QG95]. **reflecting** [HS11]. **reflection** [SW97a]. **Regeneration** [SR21]. **Region** [TB98, SYN06]. **region-based** [SYN06]. **regions** [RR05]. **Register** [BCT94, CH90, GSO94, JLF02, LCBS19, RDG08, SH89, GA96, HCS10, LGAT00, PM04, PS99, PF96, TP04]. **registers** [ZP07]. **Regular** [CC97, HVP05, KBP22, LaL81]. **relating** [ABC²¹]. **Relation** [LBN17, MTG80]. **Relational** [BNNN22, BKOZB13, CB80, GS98, TLHL11, JJD98, JLRS10]. **Relations** [ELS¹⁴, HT86, LH08]. **Relationship** [BS88]. **Reliability** [LM18, WN08]. **Reliably** [TCP¹⁷]. **Rely** [GEGP17, LFF14, SZLY21]. **Rely-Guarantee** [GEGP17, SZLY21]. **Rely-Guarantee-Based** [LFF14]. **Remembrances** [PM09]. **Remote** [BCP08, SG90]. **Removal** [AK82]. **Rendezvous** [Cha87]. **Renvoise** [Sor89, Dha91, DS88]. **Reoptimization** [PS92]. **reordering** [YUW02]. **Repair** [BN99, MF88, MYD95, KC01]. **Repairing** [CPRT02]. **Replacement** [MM89]. **Replicate** [RB94]. **replication** [RD03]. **Reply** [Bur91, Fra81, LaL83, Tan83, Wir91, SM82]. **Representation** [DGL⁷⁹, Mul92, SM89, Wad90, Wan82, Mil85]. **Representation-Independent** [Mul92]. **Representations** [Lam87, RF97, Wal80, Wal81, BGP99]. **Reproduction** [BHM¹⁹]. **Repulsing** [TOUH21]. **reshaping** [ZCG⁰⁷]. **Resilient** [GHH¹⁹, WL85]. **Resolution** [ABR81, Bak82]. **Resolved** [SIG17]. **Resource** [CS95, Cla80, IK05, MQ05, BDFZ09, CEI⁰⁷, HR02, HAH12]. **Resources** [And81, FLBB89]. **Respect** [Gaz83]. **Response** [Tic88]. **Responsibility** [DC22]. **Responsiveness** [HU96]. **Restores** [Wis79]. **Result** [TB95]. **Results** [Ven95, BGP99, SYYH07]. **Retargetable** [DF80, DF81, MV87]. **Retention** [LS81]. **Rethinking** [LHR19]. **retrofitting** [NCH⁰⁵]. **Return** [SDB20]. **reuse** [DNS⁰⁶, GW99, ZSD09]. **Reversal** [ACS84]. **Reverse** [PS08]. **Reverse-mode** [PS08]. **Revised** [SIG17]. **Revision** [FM87b]. **revisited** [MDJ05, Zho96]. **Revisiting** [DI09, ZZO22]. **Rewrite** [FW98, Ass00]. **Rewriting** [KKSD94, BCM99, DDD05, FKW00, GRSK¹¹, MMM⁰⁷]. **Right** [KS83, LaL81, SJ06]. **Rigorous** [SBB¹⁹]. **Rings** [BP89, Hua93]. **RISC** [PS93]. **Rivieres** [Hen83]. **RMI** [MVV⁰¹]. **Robust** [LS83]. **Robustly** [PG21]. **Robustness** [GMP24a]. **Roever** [Moi83]. **role** [Apt00]. **Roman** [PB97]. **Round** [SBB¹⁹]. **Round-Off** [SBB¹⁹]. **Rounding** [FL15]. **Row** [MM89]. **RSMs** [CGG¹⁹]. **rule** [HQRT02]. **Rules** [GL80, JTM98, SS84, LS09, SSD09]. **Run** [ISY88, TZ07, GMP⁰⁰]. **Run-Time**

- [ISY88, TZ07, GMP⁺00]. **Runtime** [Ano18, BLH12, BEF⁺16, FNBG20, GSS⁺18, ISIRS22, TCVB14, BH05a, TSY00]. **Rust** [MTK21, Pea21]. **RustHorn** [MTK21].
- S** [HCW82]. **S/SL** [HCW82]. **Safe** [AWW95, Dug02, HMY⁺24, JW17, LMM21, PG21, SDB20, AFF06, BSvGF03, LS03, Loc13, NCH⁺05, SA00, ZCG⁺07, MH06, SHB⁺07]. **Safe-by-default** [LMM21]. **safe-for-space** [SA00]. **Safer** [COE⁺20]. **safety** [FF08, YS10]. **same** [SS05a]. **sampling** [PPT08]. **Santa** [WP10]. **Sapphire** [URJ18]. **Sather** [MOSS96]. **Satin** [VWJB10]. **satisfaction** [DF11]. **Satisfiability** [FSH23, XA07]. **satisfying** [Van96a, Van96b]. **Saturn** [XA07]. **Scalability** [TCP⁺17]. **Scalable** [FT94, GKM20, ZSS20, XA07]. **ScalaExtrap** [WM12]. **scale** [ZSS20]. **Scaling** [TCP⁺17]. **scan** [PS99]. **Scanners** [HKR92]. **Scanning** [GVC15]. **Scavengers** [UJ92]. **Schanuel** [KPS92]. **schedulability** [GH97]. **schedule** [TVA07]. **Scheduler** [TCVB14]. **schedules** [MH04]. **Scheduling** [BG89b, FGL94, KR79, KPF95, LPP01, LJ99, LCBS19, NB99, NSTD⁺15, PS93, TCVB14, Ban11, ME97, YF98]. **schema** [RLS⁺01]. **Schema** [Mur91, YR94, IV06, WC97]. **Schemes** [Son87, TM93]. **Schorr** [BP82]. **Schwanke** [Tic88]. **Scientific** [How80]. **Scope** [App94b]. **Scratchpad** [SRM10]. **Screen** [MM89]. **SDF** [VHKO02]. **Search** [Dar90, LLOY23, BH99, SS05a]. **Searching** [CC97]. **Section** [Mül21, Wol92]. **Secure** [ABC⁺21, BCEM15, PAS⁺15, PG21, BBF⁺11, HY07]. **Securely** [RB94]. **Securing** [BNV⁺21]. **Security** [TGT18, TGT20, BFGT08, BFG08]. **see** [BR10]. **Selection** [DF84, SSS81]. **Selective** [LTMS20, Min84, OLH⁺16, ME97]. **Self** [BP89, DHS09, Gho93, Gom92, NN24, ABB⁺09]. **self-adjusting** [ABB⁺09]. **Self-applicable** [Gom92]. **Self-Stabilization** [Gho93, DHS09]. **Self-Stabilizing** [BP89, NN24]. **Semantic** [AAR⁺10, AWW95, GGL15, LCK⁺22, ML21, MH06, HCW82]. **Semantics** [ABHI11, Ans87, AB94, AW82, BGL93, Ber94, BLRS12, Bou88, Boy10, CPS93, CD79, DHH⁺24, FA93, GM81, Gud92, Han94, JPP91, Kai89, Mul92, NF89, Set83, Sou84, WM95, Wan82, dBB85, ACE96, BMR01, Bou06, GZ04, MF09, PCJD08, SWU10, SJ03, Tar07, WKD04]. **Semantics-Based** [BGL93, CPS93, PCJD08]. **Semantics-Directed** [Han94, Set83]. **Semaphore** [CR87]. **Semiring** [BMR01]. **Semiring-based** [BMR01]. **Send** [Gor04]. **Send-receive** [Gor04]. **Sensitive** [OLH⁺16, HBS22, PKH07, Ram00, Rep00, RRSY08, VP23]. **Sensitivity** [FL15, KRR18, LTMS20]. **Separating** [DDM11, Ste22]. **Separation** [BDJ13, DJP⁺16, OYR09, BBTS07, PZ22]. **Separators** [GSO94]. **Sequences** [GSW95, LWR21]. **Sequent** [ABS09, Miq19]. **Sequential** [AFdR80, Ber80, Gor21, GLR83, HM84, KS79, MC82b, Moi83, Sou84]. **Sequentialization** [ITF⁺22]. **Series** [Wat91]. **Served** [LH91]. **server** [LDM07]. **servers** [BBYG⁺05]. **service** [CMS03]. **Services** [CHY12, RB94, BFG08, CGP09]. **Session** [DDMP22, KBP22, Pad19, TY18]. **Session-Based** [TY18]. **Sessions** [TY21]. **Set** [Sha82, FF99]. **set-based** [FF99]. **SETL** [DGL⁺79, FSS83, SSS81]. **Sets** [DP82, DPPR00]. **Setting** [Lin79, Nie85, HL05]. **SHA** [App15]. **SHA-256** [App15]. **shape** [GCRN11, JLRS10, JB06, SRW98, SRW02]. **shape-analysis** [SRW98]. **shaping** [HS11]. **Share** [SS88]. **Shared** [Cha93, FLBB89, KH92, KRS88, LB22, Pet83b, Dug02, HBJ98, TSY00, BC91]. **Shared-Memory** [Cha93, TSY00]. **Sharing**

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- WCM00, YF09, AFF06, FFLQ08].
- Statically** [ACPP91]. **Statistical** [LLK⁺17].
- Statistics** [Lan80]. **Staveren** [Pem83].
- Steensgaard** [Ell82, SM82].
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- stencil** [LS04]. **Step** [Col84, TVA07]. **Steps** [Jon83]. **Stepwise** [CM86a, SL92].
- Stevenson** [Pem83]. **Storage** [BBC16, Bre89, JP81, LDK⁺96, Mur91, Rob79, Sip82, KOE⁺06, TVA07]. **Strategies** [Bir84, Bir85, Geo84, NN86]. **Strategy** [Bre89, PK80, WSH15, ZSS20, GS11].
- Stratified** [SS98]. **Stream** [HSG17].
- streams** [CFP⁺04]. **strength** [CSV01].
- Strict** [Bee94]. **Strictness** [Bee94, SR95].
- String** [GH80]. **Strings** [AS80, KS88, KS89, ADR06, KK07]. **Strong** [KZC15, PZ22]. **Strong-separation** [PZ22].
- Structural** [SZBH86, MTSS09].
- Structurally** [HS11]. **Structure** [BC79, GKL94, HM93, Mis94, MWB94, She91, HY07]. **Structure-Oriented** [GKL94]. **Structured** [BM94, CHY12, GD82, Har80, LS81, Mur91, RR03].
- Structures** [ANP89, Bob80, FL81, GEGP17, RCRH95, SSS81, LPSO04, RAB⁺07]. **Study** [BHM⁺19, FTJ95, BHK07, BdlBH99, DF98, KF03, LS98]. **Style** [BDM15, LR19].
- Sublanguage** [DGL⁺79]. **Sublinear** [RD87]. **Sublinear-Space** [RD87].
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- subscribe** [Eug07]. **Subscript** [CG95].
- Subsequence** [Han92]. **Subset** [BL87].
- Substrings** [BL94b, Han92]. **subtype** [Duc08, KR01]. **Subtypes** [Vol91, Bur91].
- Subtyping** [AC96, AC93, GGL15, LN15, LR19, LBN17, LW94, XBOS20, ZZO22, GZ05, IV06].
- Subtyping-Relation** [LBN17]. **SUIF** [HAM⁺05]. **Summarization** [SCS24].
- Supercompiler** [Tur86]. **Superimposition** [Kat93]. **Supermartingales** [TOUH21].
- Support** [Bal94, DS90, Fea87, LS83, MK94, Wei90, TSY00]. **Supporting** [RCRH95].
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- Symbol** [ABR81, Rei83]. **Symbolic** [Dil90, HP96, Hal85, Hen82, NcS20, RR05, SBB⁺19, YMW97, BGP99, MPM03, CM93, WST85].
- Symmetric** [FY85]. **Symmetry** [ES97, SG04]. **Synchronisation** [CHMY19].
- Synchronization** [Bag89, DJP⁺16, Her91, KRS88, RS84b, Sch82, CGS⁺03, DHM⁺12, Ram00, RD03].
- synchronization-sensitive** [Ram00].
- Synchronizing** [And81]. **Synchronous** [CS87, TLHL11, YGRBA23]. **synchrony** [CS04]. **Syntactic** [BF87, GMZ00, MF88, PK80, Wil82b].
- Syntax** [DMM88, Ode93, Ric85, SSS83, BMR01, CPRT02, Jef03, HCW82].
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- Syntax-Error-Handling** [SSS83].
- Syntax/Semantic** [HCW82]. **Synthesis** [AE98, AE01, AAE04, Ban87, BDJ13, BKL⁺97, Cla80, DKKL18, HLH⁺23, JZX⁺24, LLOY23, MW80, MW84, MV87, SBS22].
- System** [AFdR80, AW85, BS86, Bou88, CB80, Fea82, GD82, GP81, Han81b, HM84, JMSY92, LR13, ML80, Moi83, MH86, PO95, RD13, SA99, WC97, BH05a, FH04, FM99, HO07, JB06, KS10, MTSS09, NP08, PE08, STSP05, MWCG99]. **Systematic** [DC22, DF98, PSS05]. **Systems** [ABLP93, Ano18, AR84, ACS84, BKS88, BG89a, BDP93, CI84, CDFP89, CBDGF95, CIJGP18, CES86, CPS93, CBMO19, DL18, DAW88, Fea87, FKW98, Gor21, Hen86, HLH⁺23, Jag94, Jon94, JTM98, Kar84, Kat93, Kau84, Lam84, LW93, Mis86, Mye18, SZLY21, TGT20, WGS92, WGS93, WCW90, van88, Ass00, AE98, BCP08, BCM99, BGP99, CSCM00, DGG97, GS11, TP04, TZ07, YMW97, WCW91]. **Systolic** [Hen86].
- T** [Žic94]. **Table** [BMW91, PK80, DAS98].
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