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Preston Briggs
Tera Computer Company
2815 Eastlake East
Seattle, WA 98102
USA
Tel: +1 206 325-0800
E-mail: preston@tera.com

and

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA
Tel: +1 801 581 5254
FAX: +1 801 581 4148
E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: http://www.math.utah.edu/~beebe/

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Title word cross-reference

(k) [ADGM91, BL94b, KM81]. 2 [Dam03]. 3

[SRW02], + [Han81a], \( T^M \) [Bla03]. \( 5_{ex} \)
[AW82], [DDDCG02], A [DES12], \( \mathcal{R} \)
[JMSY92], \( \mathcal{R}_{Lin} \) [VR95], \( \ell \) [ADG+94].

\( O(nm) \) [Pet82]. \( \phi \) [CF95, DR05]. \( \pi \) [ABL03].
DKKL18, DL93, Deb95, DP97, DAW88, FPS19, FJK+17, GNS+15, GKM20, G933, HP96, HOY18, Hil88, Hor97, IS88, Jen97, JCO19, KD94, LLK+17, LTMS20, LR13, LHR19, LWR21, McG82, MRGP20, MW94, MOS07b, OHL+14, OLH+16, Pal95, PO95, PCC85, PP91, PW94, PW98, Pur91, RTD83, RTP17, RRB19, RP88, SR95, SSS83, SLG98, 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, Rep90, RSL10, RD97, RR90, RR05, analysis [RLS+01, SRW98, SRW02, STS03, SdSCP13, SS96, ST00a, WP10, WJ98, ZSD09, dHB+96].
analyze [DMM01, VBLG04].
analyzer [SMP10].
Analyzing [AW85, BEF+16, CFP+04, GMM09].
And/Or [Har80].
Annotations [Bur84].
AOP [DES12].
APL [Bud84, GD82, Hob84].
Applicability [DAW88, How80, LS98].
applicable [Gom92].
Application [CD79, DF80, DF81, LBN17, LR13].
Applications [BLRS12, Bou88, MRGP20, SR21, BALP06, CMLC06, NR06].
Applicative [AC94, KS86].
apprentice [MP02].
Approach [AKNP17, ABR81, AR80, BAC16, BP82, Bur90a, CH90, CD79, DS90, Ell82, ES97, FT94, GGL15, Har80, Hes88, KKW14, Lam79, Lam80, Lee86, LTMS20, MW80, MDCB91, ND16, OA88, Sam80, Sp086, SM81, SNS+14, Bou05, CRN+08, DHM+12, FGM+07a, JLR510, KV00, LP80, MBT09, PSS05, PCJD08, RC03, SP07, WS97].
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array-valued [RMH06].
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Article [Ano18, TGT20].
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aspect [DWWW08, WKD04].
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Attributes [HT86].
Author [Ano86a, Ano88a, Ano89a, Ano90a, Ano91a, Ano92a, Ano94, Ano95, Ano98, Bur91].
authorization [FGM07b].
Authors [Ano82, Ano83, Ano84, Ano85, Ano86b, Ano87, Ano88b, Ano90b, Ano91b, Ano92b].
auto [ZF10].
auto-addressing [ZF10].
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[GLK94, MTSS90]. Avoidance [FGL94].
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[Mis86].

B [Han81a]. backpropagator [PS08].
Backtracking [Lin79, VR95, FM87a].
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[AS80, PB80, vHK00]. Barrier [CHMY19].
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[BPP16, BGL93, Bur90a, CGJ+97a, CI84,
CP95, CH90, CPS93, DVM15, DL16,
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KR79, LFF14, PW98, RTD83, SR95, SGL98,
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vPS81, BFG08, BMR01, BHM+07, BCG+07,
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[CGG+99, GLR83]. Bayesian [HOY18].
BDD [LH08]. BDD-based [LH08]. Be
[Bee94, C091, WR19, C049, LP99].
Behavior [KLS92, GMM99, VBLG04].
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[SV20]. Being [Cop94]. benefits [GMP+00].
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[Sip82, DDD05, MMM+07, RC03, YF09].
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[BGL93, GCRN11]. bound [KK07, NI05].
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[CP17, FNBG20, FW94, BP12, CEI+07,
RR05, SS05a]. Box [WLBF16]. boxed
[BB04]. Branch
[CGJ+97a, CEG07, YUW02, YS99].
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[SA99, BDL+08, CSCM00, FMM99, GPP08,
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[LSP82].

'C [PHEK99, BR97, HSS+14, MRGP20,
ND16, PKH07, PFH11, Ven95]. C#
[GMM99, KLS92, MMM+07, SS96, VBLG04].
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Calculus [ABLP93, BKL+97, BN94,
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Jay04, TA08a, KPT99]. Call
[DP97, GL80, GC01, HL05, KK07, SW97a].
call-by-value [HL05, SW97a]. Calls
[BNN18, Coh83, Coh85, FF08]. Can
[Boe85, Coh91, Wir91, CG04]. Capabilities
[SDB20, WCM00]. capability [TA08a].
Carlo [FL15]. carrying [AM01]. Case
[CFG19, FTJ95, WW95, BdlBF99, KF03].
Cats [AMT14, ADG+21]. 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]. Checking [Car95, CGL94, ES97, FF08, GL94, ND16, AO1, ACM11, BP99, FFLQ08, HQRST02, JJD98, KF10, KV00, N105, SG04, VJB12, YM97]. Checks [CG95, CEI+07]. Chocola [SDD21].
Class [CBMO19, HKMN94, Han92, SJ03, SDFT13, HS11, MOH4, ST00a]. Classes [SDFT13, WT11, HW96,oms06].
Clustering [LLK+17]. Clusters [BGH+13, JBG+09]. Coal escing [GA96, Hai05, PM04]. Code [AGT89, BHM+19, Cat80, Cop94, DF84, FL94, GF85, HN82, HG83, JSB+12, KRS94, LR13, ND16, Rob79, TV82, Wan82, AM01, DEMD00, Hai98, HB+09, HK07, JN06, LDK+96, MSR00, MEG97, Oho07, PHEK99, WS97, vHK00, CM93, Pom83, WST85].
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composition [AH10, Pau01].  
Compositional [Fos96, Jon94, JTM98, LFF14, SZLY21].  
compressed [DAS98].  
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Computability [HMS06].  
Computable [PK82].  
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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 [ADG+21, BG89a, Lam90, SDD21, Wei89, BCF04, Mil85, TA08a, CPS93].  
Concurrent [BC91, Car95, CIJGP18, Cla80, CES86, CPS93, CFM94, DGMP97, FT94, Hal85, HSP83, HW90, Her93, JTM98, Kar84, Lam83, LFF14, MSM+16, OL82, Pet83a, Pet83b, RY88, SZLY21, Sku95, SNS+14, AE98, AE01, AAE04, BBYG+05, BGP99, CSW06, JPS+08, RS97, SRM10, YS10].  
Concurrent-by-Default [SNS+14].  
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Condensation [JTM98].  
Condition [HW90].  
Conditional [Boy96, WZ91, Dam03].  
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Constraint [Bor81, DGMP97, DDV99, HLH19, NSTD+15, Pal95, PW98, Stc18, Apt00, BMR01, DPPR00, FH04, GH83+96, HPMS00, SS08, SS09, SP07, SSD09, dHB+96].  
Constraint-Based [PW98, Ste18, DDV99, SP07].  
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Constraint-Solving [NSTD+15].  
Constraints [AKP94, DFR15, HG83, Mye90, BA08, RM10, TFK+11, Van96b, VHM+01, Van96a].  
Construct [Ans87, BS83, Kat93].  
Construction [ADGM91, HIT97, LaL81, MB83, RH87, SL92, CMS03, GC01].  
Constructive [Loe87].  
Constructs [SIG17, SDTF13, CGP09].  
Contravariance [Cas95].  
Control [ABL93, Bur84, CL94, CFR+91, DP97, FM87b, Kat93, Lam88, Lin79, NGB13, PB97, PBR+15, Set83, SS13, Tur84, Wat83, Wei89, BCM99, BCC04, HO07, PSS05, RAB+07, Zho96].  
Controlled [Min84, Tho94, JC97].  
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correlated [YS99]. Correspondence
[BS88, Bur90b, Bur91, Coh91, CM93, DS88, Ell82, FA93, Fra81, Hen83, LaL83, LaL84, Moh81, Moli83, MS88, NN86, Par90, Pen83, Sor89, SM82, Tan88, Tic89, Vol91, WST85, Wir91, YB88]. Corrigenda [WCW91].

Corrigendum [Ano18, BKRW05, DF81, Fra80a, KS89, Lam80, Pur91, QG95, TGT20, Van96a, Wal81, WGS93]. Cost
[AB81, Bac84, DL93, Hai98, Han81a, ZGZ05, VALG05]. Cost-optimal [Hai98].

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Cross-Interferences [FTJ95]. Cross-Language [Ano18, GSS +18].

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[AMT14, ANP89, AM85, Bac84, BC85b, BL87, Bur90a, Cha93, CS87, Deb89, DP93, DD85, Ell82, EO80, FL81, GMH81, GEGP17, HL82, Her93, Hess88, Hol87, Jen97, JCO19, KH92, Kam83, KZC15, KK98, KD94, LaL89, LO94, LNO2, LVRG21, Loe87, Mal12, MMR95, MCT96, PPK91, 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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[FPS19, GSW95, PA85, PA86a, PA86b, PF96, SR95, DGS97].

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[BGH +13, CFR +91, FOW87, HBG +09, HRB90, ML21, PB97, PW98, Wol94, RAB +07]. Dependence-based
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Documentation [MH86]. does [DMP96]. dolce [MP10a]. Domain [LM18, Tra08, RM07, SS05a]. Domains [CMB +95, ELS +14, GS98, FH04, GLMM05].

dominance [Ano02b, DVD07]. dominator [SGL97]. Dominators [LT97, Ano02b, BKRW98, BKRW05]. Don't [AKNP17]. down [SZLY21]. dnf [MSM +16].

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eager [FKW00]. Earley [Lei90]. Early [AB81].

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[HBM +06, HT86, Jef03, LR13, JNZ06].
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[IPW01]. Glanville [MSR00]. Global
[Bac84, Dha91, GHB +96, OHL +14, PK80, PS92, Sch85, DB +96, CS04, KBG +99, DS88, Sor89]. GLR [SJ06]. Goal
[Dar90, Gud92, SYH07]. Goal-Directed
[Gud92, SYH07]. Goal-Oriented [Dar90].
Goto [CF94]. GPU [BCD +15]. Gradual
[TGT18, TGT20]. Graham [MSR00].
Graham-Glanville [MSR00].
Graham-Graded [GRR +06]. Grammar
[CI84, CP95, GF85, JP81, KR79, Web95].
Grammar-Based [CI84]. Grammars
[BS88, Jon90, LaL81, RD87, RH87, Tai79, WW95, Boy96, CP96, Wu04].
Grammatic [Tho94]. Grammars
[BB94, MK94]. Granularity [RBR +19].
Graph [Ass00, Bee94, BCT94, CFR +91, FOW87, KKSD94, KLS92, MC82a, Son87, CTT07, GC01]. graph-based [CTT07].
Graphical [Ma182]. graphical [VHM +01].
Graphs [GKM20, HRB90, KPS92, Kna90, SGL98, DR05, JC97, KSK07, SGL96, UM02].
grid [VVJB10]. Grimmer [Ano18].
groundness [CSS99]. Grover [BH99].
growth [PAL06]. Guarantee
[GEGP17, LFF14, SZLY21, HQR +02]. 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, LD91, Piq96, SSS83, UM02, YB85, YB87, YB88, CRN +08, LS98, LP00, SSD09, Hen83].
Hard [Hor97]. Hardware
[BKL +97, Mis86]. harmful [Gor04]. Hashing
[PB80, Duc08]. Haskell
[GRSK +11, HHP96]. Heap
[KSK07, BAL06, KF00, YS10].
heap-manipulating [YS10]. Heavily
[BG89a]. Hennessy
[CM93, WST85].
Herding [AMT14]. Heuristic
[SL92]. hiding
[LN02, OYR09]. hierarchical
[AG04]. Hierarchical
[BA99, CP95, CD97, AY01, CP96].
Hierarchical [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].

**Higher-Order**
[AC94, AD98, CJK95, DJP+16, FPS19, SV19, BBTS07, DF11, SKS11, SP97].

**Highly** [Her93, Sku95]. Hoare
[Apt81, GM81, LS84, Sok87, Yin11].

**Hoc**
[MDCB91]. Holistic
[ZMVPJ17].

**Homomorphisms** [HIT97].

**HOP**
[BLRS12].

**Hybrid**
[KF10, KS10].

**Hyperball**
[LM18].

**hyperdoctrines**
[BBTS07].

**I-Structures**
[ANP89]. I/O [Car95]. Icon
[GHK81, Gri82]. id [Bee94]. idempotency
[KOE+06].

**Identification**
[BGH+13, SBE+19].

**identify**
[Ram99, SGL96]. Idioms [PP94]. IDL
[Lam87]. IEEE [Fat82]. Ignorance
[GNS+15].

**Illustrative** [Oss83]. Impact
[BHM+19, OLH+16, CKT86].

**Implementation**
[AKBLN89, AOC+88, BCD+15, Bou88, Bre89, BS83, CM86b, GMH81, Gaz83, Lin93, MDCB91, PXL95, RL98, WLS85, CMLC06, FM87a, GB99, LDM07, LPS004, Tra08, Zho96].

**implementations**
[BBF+11, BFGT08, DF98].

**Implemented**
[DB85].

**Implementing**
[BR97, Her93, HW82, Sku95].

**Implications**
[Fat82]. Implicit [BH05b, SJ12].

**Implicit-signal**
[BBF+11].

**Improved**
[GGHR08, Mur91, KK07].

**Improvement**
[MS93, San96].

**Improvements**
[BCT94]. Improving
[CK94, CMB+95, MCT96, 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].

**Indepedence**
[DHM00, Rep00].

**Independent**
[ML80, Ml92].

**index**
[AM01].

**indices**
[RR05]. Indirect
[Piq96, CEG07, YK97].

**Induction**
[GSW95, Sit79].

**ineciencies**
[MMM+07].

**Inessential**
[SS82, LaL84].

**Inference**
[CEW14, Deb89, Hen93, LO94, LY98, MRGP20, Pad19, SR21, TB98, Weg83, 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, NGB13, PBR+15, PS03, GS99, HY07, LN02, OYR09, TZ07].

**Information-Flow**
[BC85b, TZ07].

**Infrastructure** [SWU10].

**Inheritance**
[SL15, WT11].

**initialization**
[FM99].

**Injection**
[SBE+19].

**Input**
[BS83, 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, BGP99].

**Integrated**
[SS13].

**Integrating**
[HPR89, WJS+00].

**Integration**
[CO90, Leu04].

**Intensional**
[STS03].

**Interaction**
[WSH15, WT11, van88, BCM99].

**Interactions**
[JS94].

**Interactive**
[ACS84, BS86].

**Interconnectability**
[TY18].

**Interface**
[Win87, van88].

**Interfaces**
[DS90, Mye90, TLHL11, WT11].

**Interferences**
[FTJ95].

**Interfering**
[Jon83].

**Intermediate**
[Lam87, Pem83, Tvs82].

**Internal**
[Han81a].
International [Wol92]. Interoperability [Ano18, GSS+18], interoperable [BFGT08].

Interpretation [BGL93, CFG+97, DLR16, KRR18, LV94, MSJ94, BDL+08, BdLBH99, DGG97, Leu04, SYYH07].

Interpretation-Based [DLR16].

Interpretations [CMB+95, HY91, SJ13].

Interprocedural [Bur90a, BT93, DP97, HAM+05, HS94, HBC99, HRR90, LWR21, ML21, NR06, SH89, CKT86, DGD07, DGS97, FMoPS11, JLR10, KRR18, LR16, MSJ94, BDL+08, BdlBH99, DGG97, Leu04, SYYH07].

Interprocess [RS84b].

Interprocessor [Ang89].

Intersection [Dam03].

Intertask [FY85].

Interval [Bur90a, GNP+15, FH04].

Interval-Based [Bur90a].

Introduction [Ahm20, DeM83, HCW82, Per90, Rep86, Sag07, Wol92].

Invariant [BKB80].

Invariants [Cla80, GEGP17].

Irreducible [Hav97, UM02]. Irregular [YF98].

Irrelevant [GP81].

Iso [LBN17].

Isomorph [JJD98].

Isomorph-free [JJD98].

Issue [Ahm20, Ano18, TGT20, Sag07]. Issues [BO94].

Iterable [Gor21].

Iterated [GA96].

Iteration [Cam89, MOSS96, GS11, JLF02, Qia00].

Iterative [Ans87, Par90, DR05, JGG10, LS04].

Jade [RL98].

Jam [ALZ03].

Java [AFF06, ALZ03, ADD+07, BH05a, Bla03, BALP06, CGS+03, CMS03, CSM00, FFLQ08, FM99, GFP08, IPW01, KKN06, KGMO04, KN06, KRO1, LST02, LP06, LS08, Loc13, MYY+01, MME+10, MFRW09, MMD00, NR06, OKN06, Qia00, RBR19, SLC03, SMP10, SBE+19, SA99, SYK+10, TN19, TSL+02, WR08].

Java-like [KN06].

JavaCOP [MME+10].

JavaGI [WT11].

Join [WKM04].

Jump [LS80, RS84a].

Just [DLR16, TN19, SYK+05]. Just-In-Time [TN19, DLR16, SYK+05].

JVM [HO07].

KaffeOS [BH05a].

Kaiser [Ti88].

Kernels [BCD+15, ATD08].

Keys [PB80].

Kilbury [Lei90].

Kitsune [HSS+14].

Kleene [Koz97].

Knot [MC82a]. knowledge [GLMM05].

labels [Sto04].

LaLonde [Hen83, LaL83].

LALR [DP82, KM81, PCC85].

Lambda [Geo84, Gom92, NN86, PS08].

Laminar [PBR+15].

Lamport [Ang89, Pet83b].

Language [ACCP91, AOC+88, Ano18, ABPS98, BS86, BPP16, BO94, Bor81, BC91, DVL15, Fat82, Fea87, FFF+18, GSS+18, Gud92, Hal85, HSC17, JMY92, JPP91, Kai89, LVRG21, MGG82, Per79, FPS79, RTD83, RCS93, Spo86, SNS+14, SDD21, Tur84, Wet82, Win87, YS91, YB87, dJKVS12, van88, Bou05, BxSF03, CFP+04, DWW08, DF98, FM99, Gro06, HBH98, KN06, LP99, MF09, MWWG99, PPT08, PHEK99, Tra08, VHK02, HCM82, YB88].

Language-Based [Kai89, RTD83].

Languages [Ano18, AR84, AD98, Bar81, BL94b, BHM+19, BLO94, BM94, BWP87, CDPF89, DUG99, Fos96, FL91, HU96, Lee86, LR19, MMS+16, Mur91, Ryu16, SV19, TK94, TGT20, AAR+10, ACM11, DMM00, GW99, RS97, Rhi03, SRW98, SKS11, SP97, SWU10, Wol92].

Larch [Win87].

Large [GLR83, MK94, MH86, WCW90, WCW91, ZSS20].

Large-scale [ZSS20].

Lattice [AKBLN89, MMR95, FH04].

Lauer [GM81].

Layout [KK98, LTV+83, GPWZ08, FK00].

Lazy [ABM93, FKW00, HRR94, Hud91, TCV14, Chin05].

LCF [Sok87].

lead [SS05a].

Leader [Hua93, KKM90].

leak [HDH02].

learned [VHM+01].

Learning [CGJ+97a, HOY18, JJO19, SR21].

Least [AB81, Bac84].

Least-Cost [AB81, Bac84].

Left [FKW98].

Left-Linear [FKW98].

legacy [NCH+05].

length [SMP10].

Lessons [UR18, VHM+01].

Let [LY98].
Let-Polymorphic [LY98]. Level [Cam89, Fat82, GP95, YBL16, CMS03, VWJB10].
Lexical [HKR92]. libraries [Dug02]. LIFE [AKP94]. lifetime [HBM+06]. Lifetimes [Pea21]. Lightweight [Pea21, SW97b].
Like [Hua90, KN06]. Limitations [CP17]. 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]. Linearizability [HW90, DSW11].
Linguistic [LS83, Wei90, FGM+07a]. Link [DDD05].
Link-time [DDD05]. Linking [QL91, Dug02]. LIPS [CDFP89]. LISF [GCRN11].
Live [MWB94]. Live-Structure [MWB94]. Liveness [ACW90, GC86, OL82, RS88, HDH02]. LL
[BF87]. Load [KPF95]. Loaded [BG89a].
Local [BDFZ09, CBDF95, PT00, SDB20, TSB08, WEI89, DAm03, SAN96]. Locality [BAC16, MCT96, VALG05, ZSD09]. Locally
[AB81, Bac84, Min84]. locating [JNGG10]. Locator [ZMVPJ17]. Lock
[GEKP17, KS10]. Lock-Free [GEKP17]. lock-freedom [KS10]. locking [AFF06].
LOCKSMITH [PFH11]. Logic [AS89, AFV98, APT81, BGL93, BL87, BCD90, BDJ13, BMPT94, CS04, CES86, CFM94, DW89, Debb89, DL03, Deb95, DJP+16, JPP91, Kar84, LS84, LAm94, MW84, MSJ94, MMG92, SS98, Sok87, TK94, TB95, BBTS07, BMR01, BCG+07, BtlBH99, CU08, CG86, CSS99, DDV99, DPPR00, GHB+96, GW99, HVB+99, HPMS00, KWL09, LMD98, Leu04, PM06, RKKR04, SRW02, Yiu11, dHB+96].
Logical
[BNN18, GGL15, GS98, TY18, RSL10, Tar07]. Look [DP82]. Look-Ahead [DP82]. Lookahead [KM81, MF88]. Loop
[BAC16, CS87, MCT96, Sit79, RKS12].
Loops [BAGM12, Boo82, CK94, DB85, FTJ95, Hav97, Wat91, Ano02b, LS04, LSLR05, Ram99, RDG08, SGL96, UM02].
low [CSCM00]. low-end [CSCM00]. Lower
[FNBG20, PW94]. LR [ADGM91, BL94b, BF87, CPRT02, DMM88, Je03, JP17, KC01, LaL81, LaL84, SSS8, ST00b]. LR-based
[KC01]. M [Bur91, Mul92]. M-LISP [Mul92].
Machine [CGJ+97a, Cat80, GNS+15, Gie83, Han94, JJCO19, LR13, ML80, RF97, SS98, SDB20, Wat92, Zav85, Ano02a, CE07, CF04, HK07, KN06, Oh07, RRB19]. machine-checked [KN06]. Machine-Code
Machine-Specific [Gie83]. machinery
[FKW00]. Machines
[ACW90, Bee94, CGST95, GC86, KK98, PS93, PP91, Rob79, RCR95, AY01, AG04, ABE+05, ABS09, TSY00, Pur91]. 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
[DVL15]. 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
[Kua90]. May [Hor97]. May-alias [Hor97].
MCALIB [FL15]. Measures [NeS20]. Measuring
[FL15]. Mechanically
[DSW11]. Mechanism
[CO90, YB85, DNS+06]. Mechanisms
[Rei83, HMS86]. Mechanizing [Pau01].
Median [Com80]. Medians [KRS84].
megaops [MMG00]. member [KF00].
Memory
[AMT14, CK94, Ch93, CBM019, KZC15,
KK98, KRS88, MSM+16, Mis86, RCR95,
SS88, ABBH11, BP12, GMM99, GW99,
JNGG10, KF00, LK02, Loc13, QR00, RR05,
TSY00, TP04, VBLG04, WCM00, MMM+07].
memory-efficient [TP04].
memory-hierarchy [KF00]. Merge
[Ber94]. Merlin [BHM+06]. Message
[CSW06, SS84, Gor04]. Messages
[BB79, Jef03]. meta [Tra08].
meta-programming [Tra08]. Metalevel
[Jag94]. Metaprogramming [BNN18].
Method
[BNN18, BCD90, BF87, HL82,
Jon83, Loc87, 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 [Pic96]. Minification [HLH19].
Minimal [FKW98, IPW01]. Minimization
[RS84a]. minimizing [RMH06]. Minimum
[GH83]. Minimum-Weight [GHS83].
Mining [AMT14]. Mised [Cop94]. miss
[GMM99]. Mixin [HL05, RD13]. mixins
[AL03]. ML [Blu99, CBM019, 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, CGL94, DLR16, ES97, GS98,
GG85, GL94, Han81a, HW82, Hol87, JB20,
JJC019, KH92, MSM+16, MMG92, ND16,
VSS94, ACM11, AM01, AE01, JJD98,
JPS+08, KN06, KV00, Loc13, NP08, QR00,
SG04, VVJB10, VALG05, YMW97].
Model-Checking [ES97, BGP99].
Modeling [AF84]. Modelling
[AMT14, ADG+21]. Models [GJ93, KZC15].
Modern [BCF04, RAB+07]. Modes
[Deb89]. modest [LS80]. Modification
[Lei90, RLS+01]. Modula [EO80]. Modular
[AG04, BMPT94, CDK+18, EMH20, GL94,
JGBK18, Jg94, KKM90, LN15, MBC04,
Wei89, YB85, dJKVS12, KV00, MFRW09,
MOS07b]. modularity [BA99]. Module
[PAS+15, RD13]. Modules
[CL95, HW82, Lam83, HL05]. Monadic
[DG19, MH04]. Monitors [BLH12, BH05b].
Monolingual [HK85]. Monte [FL15].
Morel [Dha91, DS88, Sor89]. Morphing
[MS11]. Morris [Wis79]. Mostly
[XY90, BBYG+05]. Motion [KRS94, Hai98].
MPI [FKJ+17, TSY00]. Multi
[Ano18, GSS+18, MF09]. Multi-Language
[Ano18, GSS+18, MF09]. Multialgebraic
[WM95]. multidimensional [RDG08].
MultiJava [CMLC06]. Multilisp [Hal85].
multimethod [DAS98]. Multimethods
[CL95]. Multiparty [JS94]. Multiple
[ASF17, NSTD+15]. Multiply [FTJ95].
Multiprocess [Lam79, Lam80].
Multiprocessing [ABR81].
Multiprocessor [GP81]. Multiprocessors
[Ch93, KRS88]. Multisource [MRR95].
Multithreaded
[EGP14, JBK18, JSB+12, KKW14, NR06].
Multivariate [HAH21]. Multiway
[Ch97, Van96a, Van96b]. munch [Rep98].
Mutandis [SHB+07]. Mutatis [SHB+07].
Mutual [LH91, ABH11].
Mutual-Exclusion [LH91]. Myths [Gor04].
n [CT86]. Naming [BDP93]. Natural
[GZ04, dJKVS12, ACE96]. Neighborhood
[BG89a]. Neighborhood-Constrained
[BG89a]. Nested [Ch93, NB99, ACM11].
Nesting [Hav97, Boy10]. Nets [RAC16].
Net [JTM98]. Network [WGS92, WGS93].
Networks [CG97b, 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].
Nondeterminism [Ber80, Hes88, WM95].
Nondeterministic [QG95, MT08].
Noninterfering [HR89]. nonnumerical
[ME97]. Nonprocedural [PPS79].
nonrectangular [JLF02]. nonscalars
[CRN+08]. Nonsequentiality [Bar81].
Non-strict [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 [Sk95]. Nothing
[BDH+16]. Notion [MW94]. NP [Hor97].
NP-Hard [Hor97]. NQLALR [BS88].
nullled [SJ06]. Numbers [GLR83].
numeric [Hau96]. O
[ABPS98, Car95]. Object
[DF84, HU96, KH92, Ryu16, WCW90,
WCW91, BSvGF03, DMM01, DDDCG02,
FM99, GPWZ08, HBM+06, JPS+08,
LPS004, Pie96, 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]. Observation [LWR21].
Observations [Sha82]. Obsidian
[COE+20]. Occur [AP94].
Occur-Check-Free [AP94]. Off [SBB+19].
Offline [CG04, GJ05]. Old [AL94].
Old-Fashioned [AL94]. On-Line [Bal94].
On-The-Fly
[CF95, BA84, URJ18, LP06, PK+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 [BOV95, CGST95,
FK85, JCM19, KRS94, Lar95, PB97,
Ha98, JNZ06, KSV96, MSRR00].
optimality [CP96]. Optimally [BL94a].
Optimistic [PM04]. Optimization
[Bee94, BBC16, Blo94, BAC16, BT93, DF84,
DP97, DDH84, Dha91, DS88, FOW87,
HG83, HOYY18, Pem83, PP94, RRB19,
SS82, Sor98, TvS82, Web95, Ass00, BHK07,
KBC+99, KF03, PE08, TA07, ZP10, CG95,
LaL84, OKN06]. Optimizations
[CC95, JSB+12, CGS+03, CKT86, GMP+00,
SYK+05]. optimize [DMM01, VBLG04].
Optimized
[CM93, Com94, Hen82, WST85, DS98, UM02].
Optimizer [DF80, FSS83, DF81].
Optimizers [Gie83]. Optimizing
[CEG07, KMM+98, LSLR05, ML80, NSZS13,
QR00, BGRK09]. Or-Parallel [GJ93].
orchestration [PE08]. Order
[AC94, AD98, Bur84, CJK95, DP97,
DJP+16, JPP91, JS94, SS98, BBTS07, DF11,
FPS19, SKS11, SV19, SP97]. ordering
[GS99]. Organization [Han81a]. Oriented
[Bor81, Dar90, Ell82, FFF+18, GTWA14,
GKL94, GP81, HU96, Ryu16, SM81, Tur84,
YB87, YB88, BSvGF03, DWVV08,
DMM01, JPS+08, WKD04, WP10, WJS+00].
origins [San09]. OSI [CDFP99]. 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
Parallelism [Bur84, GP95, KSV96, NB99, PW94, TCVB14, YBL16].
Parallelization [BAC16, BDJ13, PP94, BdlBH99, HAM05].
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, JP17, 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, CP17, CK93, DS88, Gom92, KCL+99, Sor89, ADR06, BP12, CG04, GJ05, LMD98, Leu04, ST00b]. Partially [BLH12, Kob98, RR98].
partially-flow-sensitive [RR98].
partitioning [RM07, YF09]. Parts [Son87].
Patient-Oriented [FFF+18]. Pattern [EGP14, ADR06, Jay04, MTSS09, Van06].
Bou05, DR05, DVD07, DGS97, JNZ06, PFH11. Practice [KRS94, Ryu16, Bla03, DRSS96]. Pragmatic [BDH+16], Pragmatics [Gom92]. Pre [OLH+16], Pre-Analysis [OLH+16]. Precedence [Hen83, LdR81]. Precise [CDK+18, FJK+17, GKM20, Hor97, TN19, PHP02]. Precise-Yet-Ecient [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], Privacy [BKOZB13, LVRG21]. Privileges [Min84]. Probabilistic [AB20, BKOZB13, CFHN18, DG19, HSP83, MMS96, OGG+18, Rao94, SV19, BH99, PPT08]. Problem [ADG+94, CM48, DS84, Gho93, LSP82, MS88, Pet82, Pet83b, PB97, Sor89, FGM+07a, Wu04]. Problems [Bac84, CFHN18, DP93, MMR95, SRW98]. Procedural [HF87, Lin93, VSS94]. Procedure [CDK+18, GS99, GL80]. Procedure-Modular [CDK+18]. Procedures [AM85, Kat84, NO79]. Process [Kob98, vPS80, WP10]. process-oriented [WP10]. Processes [AFdR80, Bag89, FDN12, HM84, KS86, WS84, 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], Profiling [ASAVF19, BL94a, SP97]. Program [Bal94, Bar85, BAL07, BKB80, Col84, DKL18, Der85, FPS19, Fca82, FOW87, FT94, FL91, HSP83, HHR94, Jen97, JJC019, KK19, KWL09, Lam83, Lam88, LFF14, LWR21, MS83, MW80, Mis81, Nie85, PP94, PPS79, Rem81, RTP17, TSY00, Wat94, Wey83, ZSD09, Ass00, DDD05, GZ04, KF03, LH08, NS13, Pau01, RAB+07, SLC03, WZ07, WN08, YF09, DKV07]. Programming [AGT89, Ano18, AR84, ABPS98, BS66, BPP16, BHM+19, BL87, Bir84, Bor81, BMPT94, BWP87, BEM15, CHY12, COE+20, CL94, Dar90, DFR15, DGL+79, Dug99, FFF+18, Fos96, FL15, GTWA14, Har80, HK85, HO82, K29, K29, Lee86, LVV+83, LVRG21, MK94, Mye90, OGG+18, Pet83b, RCS03, SS84, SN8+14, SZBH86, TK94, TGT20, ABH06, BM81, Bou06, BdlBH99, CU08, CG86, CTT86, DWW08, DPPR00, GW99, HB98, JPS+08, KGM004, MVR+04, MTSS09, MQ05, Tra08, VWJB10, WKD04, WJS+00, Bir85, SWU10]. Programming-in-the-Large [MK94]. Programs [AWW95, AK87, AVF98, AB20, AR80, AP94, AC94, BL94a, Ban87, BGL93, CB85a, CB85b, Ber94, BCD90, BE94, BE13, BEF+16, CR87, CB80, CM86a, Cha93, CFHN18, CFG19, CEW14, CMN91, Cla80, CFM94, CS87, DL18, DGM97, DW99, Deb98, DL93, Deb95, DP97, Di90, EMH20, EGP14, FJK+17, FNB20, GG85, GM81, Har80, HCHP92, HPR89, How80, HIT97, ISY88, JMK18, JW17, JNS83, JF81, Kna90, Lam89, LS83, MSJ94, ML21, MRG20, MH86, Mye18, NSZS13, OA88, OL82, PS92, QL91, Rao94, SS98, Sch82, SSS81, SS88, TOUH21, TN19, Ven95, Wad90, Web95, WII82a, AE01, AAE04,
BCG+07, CSW06, CSS99, DP99, DDV99, DS98, DMM01, EGM01, GM12, GHB+96, GH97, GPA+01, Hau96, HPMS00, JPS+08, KSV96, LMD08, Leu04, LS09, MF09.

**programs** [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, Sok87, WGS92, WGS93, AM01, DSW11, Oho07].

**Proof-carrying** [AM01].

**Proof-Directed** [BDJ13].

**Proofs** [Apt86, BC85a, CM86b, JW17, LY98, Oss83, GRSK+11].

**Propagation** [SR95, WZ91, Apt00, CP96, SS05a, SS08, SS09].

**Properties** [ACW90, AS89, CIJGP18, Kar84, LM18, OL82, Ry88, TB95, Wei89, Ss08, Ss09].

**Proposed** [Fat82].

**prossima** [MP10b].

**Protected** [PAS+15, WJS+00].

**Protocol** [SL92, YS97].

**Protocols** [MB83, BFGT08, SS96].

**Prototype** [WCW90, WCW91].

**Prototypes** [HW82].

**Provably** [SDB20, BLRS12, BR91, BS86].

**Provenance** [ZSS20].

**Provenly** [AAD+07].

**Proving** [DGMP97, GC86, Hen86, Kar84, Lam79, Lam80, OL82].

**Pruning** [BN99].

**PSG** [BS86].

**publish [Eug07]**.

**publish/subscribe** [Eug07].

**Pure** [BNN18, HU96, Pip97, Tar07].

**Purpose** [App94b, HSS+14, Spo86].

**Pushdown** [CMBO19].

**PYE** [TN19].

**qualifiers** [FJKA06].

**Qualitative** [CFNH18].

**Quality** [BHM+19].

**Quantification** [Vol91, Bur91].

**Quantified** [Gro06, STS03].

**Quantitative** [CFNH18].

**Quantum** [FYD12, BH99, Yin11].

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**Randomized** [TOUH21].

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**Rank** [Dam03].

**Ranking** [Lee09, TOUH21].

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**rational** [GS11].

**rationale** [CMLC06].

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**Reachability** [NS13].

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**Readable** [Spo86].

**Reading** [Pet83a].

**Real** [AL94, MMG92, RS84b, GH97, HK07, LS98, YMW97].

**Real-Time** [MMG92, RS84b, GH97, HK07, LS98, YMW97].

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**Reasoning** [BKOZB13, BLRS12, BR91, BS86].

**receive** [Gor04].

**receptive** [ABL03].

**Recipe** [AL94].

**reclassification** [DDDGG02].

**recognizer** [GHR80].

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**Reconciling** [HU96].

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**Record** [BS79, Oho95].

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**redundancy** [KCL+99].

**Redundant** [Coh83, Coh85].

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**Recursively** [BE13].

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**reduced** [SG04].

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**Redundancies** [DS88, Sor89].

**redundancy** [KCL+99].

**Redundant** [Coh83, Coh85].

**Reentrant** [Bob80].

**Reexamination** [CG95].

**Refactoring** [Ste18, TFK+11].

**Reference** [Bob80, Pea21, Wis79, KSK07, K0E+06, LP06, MDJ05].

**reference-counting** [LP06].

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Termination [AF84, APT86, BAGM12, BCG+07, CFNH18, CDK+18, DG19, Fra80b, GJ95, HSP83, JBK18, MCL2b, TM93, BAL07, BA08, DDV99, GRSK+11, Lee09, PR07, SMP10, Fra80a, Mol81]. Test [Wey83, WW95, Duc08]. Testing [AMT14, GMH81, TK94]. Tests
The project was developed in collaboration with [Coh91, Koz97, Wir91, GZ05].

Their work [Kam83, LaL84, SS82, PS96] was built upon previous theories [ES97, Sha82, KV00], and their findings were further extended in theoretical work [KRR18].

In [NSTD+15, Bou96], the concept of Theory [Bou06] was introduced, which includes concepts like ThingLab [Bor81] and things [PM09].

Thinking [WLBF16] and Thinning [Web95] are related concepts, with ThinLab [Bor81] being an example.

Third [Wol92] and ThisType [Ryu16] concepts are also relevant.

Thread-Level [YBL16] and Threaded [JBK18, TSY00] are further discussed.

Tichy [Tic88] and Tiling [JLF02, LS04, RKSR12] are also significant.

Time [AL94, ABR81, BL94b, BLH12, Coh91, DLR16, Hol87, ISY88, Lat85, Lam84, MGG92, PS93, RS84a, RS84b, TN19, Wir91, YR94, Zic94, BAL07, BAL06, BKRW98, BKRW05, DDDD05, GH97, GMP99, GB99, GW99, HK07, LS98, LPP01, LS90, Mil85, Ram99, Rep98, SYK95, Tra08, TZ07, Wu04, YMW97, LW93] and Time-Constrained [Zic94, LPP01] are crucial.

Time-Critical [PS93] and time-efficient [GB99, YF98] concepts are also important.

Timeout [Coh91, LPP01] and Tokenization [Rep98] are related.

Tolerance [CS95, Lam84, AAE04] and Toolkit [BDFH97] concepts are also relevant.

Tools [van88] and Top [SZLY21] are significant.

Top-down [SZLY21] and TOPLAS [Ano18, TGT20, MP10a, MP10b] are also crucial.

Total [San96] and Trace [FL94, WGS92, Ban11, RM07, SJ03, WGS93, WM12] are related.

Trace-Based [WGS92, WGS93, WM12] and traces [HBM94, WGS94, MM97+07] are also significant.

Tracing [BL94a, DLR16, MM97+07] and tradeoffs [ZG905] are related.

Trailing [VR95] and Traits [DNS90+06] are also important.

Transaction [URJ18, ABHI11, CFP94+04] and Transactions [Ano18, HKMN94, TGT20] are related.

Transducer [DVLM15] and Transducer-Based [DVLM15] are crucial.

Transformation [BKB80, Fea82, FL91, NSZS13, Wat91, RKR04, San96, TSY00, WZ07] and Transformational [BDPF97, Bir84, Bir85, DSW82, OA88, RC03] are significant.

Transformations [Bar85, EGM01, Geo84, LdR81, LFF14, MS83, MCT96, Nie85, FGM97, KW09, MOS97, VAL05, WS97, Hes83, NN86] and Transformers [Lam90, MMS96, MBT09] are also important.

TranslationGen [GKL94] and Transforming [AW95, BE94] are related.

Translation [AK87, BK11, Kat84, Son78, AAD97, BG09, DP99, RC03] and Translators [Lam90, MMS96, MBT09] are also significant.

This paper includes a detailed discussion of Transformational [BKB80, Fea82, FL91, NSZS13, Wat91, RKR04, San96, TSY00, WZ07] and Transformational [BDPF97, Bir84, Bir85, DSW82, OA88, RC03] techniques.
AAR+10, LP99, MWCG99]. **Types**

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[ COE+20, GTWA14]. **Typestate-Oriented**

[ GTWA14]. **Typing**

[ ACPP91, DG19, Dug99, RM10, SV96]. ultimate

[ PS08]. **Ultracomputers**

[ Sch80]. Unassigned

[ Win84]. Unbounded

[ LWR21, BGP99]. **uncaught**

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[ Ram94, Rep90, Cha02]. **undecidable**

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[ Paul01, TB95]. universe

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[ Hud91, FGM+07a, GW99]. Updating

[ HSS+14, HN05, SRW98, SHB+07]. Upper

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[ FOW87, GH80, HS94, LaL84, PPS79, She91, SS82, CC97]. usefulness

[ HDH02]. User

[ ACS84, DS90, Mye90, Wal80, Wal81, Wat83, van88]. **User-Defined**

[ Wal80, Wal81]. Using

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[ IV06]. variants

[ FG03]. Variational

[ CEW14]. Variety

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