

# A Bibliography of Publications by, and about, Niklaus Wirth

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07 December 2024  
Version 1.19

## Abstract

This bibliography records publications of Niklaus Wirth.

[Wal89]. **0-387-9642** [Mee87].  
**0-471-87834-0** [Ano87c]. **0-632-01609-4**  
[Bow88]. **07** [Kel21, Wir07e, Wir18].

## Title word cross-reference

+ [Wir76d]. **\$100M** [BOB<sup>+</sup>00]. **\$9.80**  
[Atk79a]. = [Wir76d]. *N* [Wir65g].  $N \leq 8$   
[Gol87].  $SU(3)$  [Kae95].

\* [Bie85].

**-2** [Dub85]. **-3** [Dub85]. **-dienste** [War03].

. [Bis81].

**0** [FH15, SR15, Wal89]. **0-13-021999-1**

**1** [Dub85, Wal89, WW66b]. **1/3** [Lüt21]. **10**  
[GLN76, Nag76]. **10514-1**  
[ISO96, PS96, SP96]. **10514-2** [ISO98a].  
**10514-3** [ISO98b]. **11'**  
[Hay80, BD76, Fei74, Hit79, Mah80, Mat80].  
**11/45** [Fei74]. **1100** [Bal76]. **146** [Wir64b].  
**15.95/\$27.95** [Wal89]. **16BST** [Dun84]. **17**  
[Ano86c]. **1900** [WQ72]. **1973** [GLL74].  
**1983** [Ame83, Eur85]. **1988** [ISO88]. **1990**  
[AC90, ISO90a, ISO90b]. **1996** [ISO96].  
**1998** [ISO98a, ISO98b].

**2** [And85, And86, And89, AK92, Ano86b,  
Ano86c, Ano86d, Ano86a, Ano87a, Ano87b,  
Ano88, Wir90g, Pfi04, AJ90, Bai88a, Bai88b,  
Bat91, BJ86, BG88, BHHM86, Bie85, Bis91,

Bla89, Bon87, Bös92, Bös93, BB91, BH86, Bru86a, Bru86b, Bru87a, Bru87b, Bud85, BDW88, BOB+00, Car85, Cas91, Chr86, CLL+86, CMM87, Col84, Cor88, Cra85, CI85, Det93, DNR90, DO85, Dot90, DSD97, Dun84, EBP93, Fel86a, Fel86b, Fel86c, Fel88, Floxx, For88, Fos86, GAK86a, GAK86b, GH93, Gol86, Gol87, GN87, GC88, Gut84, Gut86, Gut87, Har90, HS84, Hem88, Hir83, HH95a, HH95b, Hop80, ISO96, ISO98a, ISO98b, JPPM96a, JPPM96b, JPPM96c, JM84, Jor89a, Jor89b, Kel21, Kin89, KC90, Kin91, Kir95, KT90, Kof88a, Kof88b, Kre89]. **2** [KP97a, LG87, Lad89, Lea87, Lee85, LS87, Li88, Lo85, Lou90, MPT86, MS87, MS84, MS99a, Mof84, Moh89, MFMN89, Mös95a, Mös91, MW91b, MW91a, Mös93a, Mös93b, Mös93c, MW93, Mös95b, Mös95c, Mös98, MS99b, MLKK97a, MLKK97b, Mul84, Mul24, Nan89, Nie88, Nig93, Nik97, Ode89, Ohr84, Pad90, Pas85, PT92, Pir19, Pom85, Por88a, Por88c, Pou90, Pow84a, Pow84b, Pow84c, Pro92, PS96, PSSW97, Cre90a, Reh87, Rib90, RL01, Rov86, RD85, RD86, Sal92, SIRB16, Sav87, Sch88, Sch86, SH89, SP96, Sch89b, Sch89c, ST86, Sew87, Sew84a, Sew84b, Sew88, Sha86a, Sha86b, Sha87, SW86, Sou90, Spe82, Spe83, SW87, SG82, SM95, Tag88, Tem95, Ter86, Tho92a, Tho92b, Tor87a, WA86, Wie84, WS84, WS85, Wie86, Wir78a, Wir80b, Wir82]. **2** [Wir83c, Wir84a, Wir85a, Wir85d, Wir85c, Wir85e, Wir86a, Wir88c, Wir88d, Wir90a, WGH+92, Wir94b, Wir96c, Wir04b, Wir07c, Wir14, WF84, Woo86, Woo93, Woo94, WJ92a, WJ92b, Ano86c, Käs83, Mee87, Ano86b, Ano87c, Bow88]. **2.25** [Atk83]. **2/86** [Ano86e]. **2/MUPE** [MPT86]. **2003** [BS03]. **22.50** [Rob82]. **24** [Ano88, Wir65b]. **249** [Wir65g]. **26** [Ano86a]. **265** [Wir65d]. **28/29** [BD01]. **2nd** [Wir76b].

**3** [Aba94, Ano94, Bös92, Bös93, CDJ+89, CDG+92, ER92, Fer95a, Fer95b, FH98, Fre95, GW77, Gut94, Har90, Har92, Har94, HN91, HKMN93, Jor90a, Jor90b, Kin93, Kom98, LN98, Lev88, Mar94, Mas98, Nel91, RS95, Sed93, Vix92, Wya94]. **3.4** [Wir74c]. **3.50** [Bis79a]. **30** [Web67]. **30.11.201** [Wir14]. **360** [Fou75, Mal71, Mal72, RS76]. **360/370** [Fou75]. **370** [Fou75]. **3D** [MTT83].

**4.95** [Atk79b]. **41** [Ran87a]. **45** [Ano87a, Fei74]. **46** [Ano86d]. **4A** [Nou05].

**5** [Bar77]. **5-50** [Bar77]. **5.25** [Ros74]. **50** [Bar77]. **52** [Ano86b]. **55** [Ano87b].

**6** [Des73]. **6.95** [Bis84]. **60** [HW66, Wir64a, Wir65f]. **6000** [Lid76, Wir72e, Wir74c]. **6000-3.4** [Wir74c]. **60th** [Ano93].

**7.50** [Bis79b]. **7185** [AC90, Eur85]. **7185-1982** [ISO82]. **7185-1983** [Eur85]. **7185-1990** [AC90]. **770.X3.97** [AC90]. **770.X3.97-1983** [AC90]. **770X3.97** [Ame83]. **770X3.97-1983** [Ame83]. **7th** [LS06].

**80th** [Mar14]. **86** [Ano86e]. **8651-2** [ISO88]. **'88** [Gia89].

**9.70** [Edw77]. **90** [MHT96, Mös95a]. **'97** [Mos97]. **99/4A** [Nou05].

= [Edw77].

**A.** [LD74, Wir65a]. **AB21.3** [Krá66]. **Abstract** [Bon87, EO80, GN87, KT90, Lea87, Sav87, SW87, Tor87b, Wie86]. **Abstraction** [BDW88, Moh89, RLN03, Sal79a, WA86, GH93]. **abstractions** [DNR90]. **Access** [Tag88]. **accumulator** [CRT80]. **Achievements** [GALW12]. **ACM** [Ash87]. **acquiring** [Ano80, Jos79, Jos80]. **Action** [BBS97]. **Action-based** [BBS97].

**Active** [DR97, Gut97]. **Activity** [Sal92].  
**Ada** [Ano86b, Ano86c, Ano86d, Ano86a, Ano87a, Ano87b, Ano88, Gre86, Bie85, Col84, BBG<sup>+</sup>811, BK87, Eva84, Fel86a, FG84a, For88, Kin93, Sch86, SH89, ST86, SMB83, Wic84, WS84]. **Adaptive** [Sch01].  
**Addenda** [HW74]. **Adding** [Kna97, LS94].  
**Addison** [Bis79b]. **Addison-Wesley** [Bis79b]. **Additional** [Wir66a]. **Additions** [SP96]. **address** [CRT80]. **Addyman** [Bis79a]. **ADTs** [LS87]. **advanced** [Bai88a, Bai88b]. **Again** [Bon87, KPUG93, Mal72, Sal79b]. **against** [Tor87b, Wie86]. **aged** [Daw24]. **aid** [Bud85]. **AIDA** [CC87]. **Air** [DP85].  
**Akademgorodok** [BBZ01, BBP96].  
**ALDES** [Kre89]. **ALDES/SAC** [Kre89].  
**ALDES/SAC-2** [Kre89]. **Algebra** [KP97a, Kre89]. **Algebraic** [Zam96, Gia89].  
**algebras** [Ran86, Ran87a, RWZ87, Ran87b].  
**ALGEC** [Wir67e]. **ALGOL** [WH66b, WW66a, BBG68, BW71, HW66, S<sup>+</sup>67, Wir63a, Wir64a, WH65, WW65, Wir65f, Wir66a, WH66a, WW66b, WW66c, Wir68a, Wir68c, BBG<sup>+</sup>69, Sit72, Wal86, Wir63b].  
**ALGOL-like** [BW71]. **Algorithm** [Wir64b, Wir65d, Wir65g]. **Algorithmen** [Wir75e, Wir83a, Wir86a, Wir95b, Wir96c, Wir99a]. **Algorithms** [Sed93, SDK06, Wir76d, Wir84d, Wir84e, Wir86b, Wir89a, Wir04a, Wir75e, Wir83a, Wir86a, Wir92, Wir95b, Wir96c, Wir99a, Edw77, Wal89].  
**Algoritmos** [Wir89a, Wir92]. **Alias** [MHT96]. **Allow** [Hei03]. **Alone** [FF00].  
**AlphaAXP** [DG96]. **Alternative** [AK92, DO85, DSD97, Wir96f, Ano86b, CW82].  
**always** [Lüt21]. **Ambiguities** [Spe82, Tor87a, WSH77]. **ambiguity** [Par85]. **American** [AI83, IEE83, Led84].  
**among** [Sou90]. **Analysis** [OW83, SFIK80, WC81, BWA82, CL82, Co089, CG94, MHT96].  
**Analysis/Synthesis** [WC81]. **Andra** [GW84]. **Andrei** [BBZ01, BBP96].  
**Anniversary** [Mar14]. **annotations** [Led84]. **Anomaly** [CC87]. **ANSA** [ER92].  
**ANSI** [AI83, AC90, Ame83, Ten85].  
**ANSI/IEEE** [AI83, AC90, Ame83].  
**ANSI/ISO** [AC90]. **Anwendung** [War03].  
**APL** [JF87, JF87]. **APL2** [JF87, JF87].  
**Apple** [Wir88c, WGH<sup>+</sup>92]. **Application** [DP85, KS80, Szy92b]. **Applications** [Mil89, MS99a, MS99b, Szy92b]. **Applied** [Amm74]. **Approach** [EBP93, Gut86, LS87, Li88, Ode89, Sch00a, Ano87c]. **Approaches** [WS85]. **Approximation** [CBG01].  
**Architect** [Ros24]. **Architecture** [Wir10c, Wir15b, Wir17a]. **Architectures** [Ano93, Wir86c, Wir87d, Wir87e, Wir87f, Wir87g]. **Area** [Tag88]. **Arithmetic** [Dot90]. **Arm** [KS84, Wir07d, Wir07f, Wir08g]. **Array** [LS79]. **Arrays** [Wir76a]. **Art** [Por88a, Sev12, Bös00, Mös00]. **Article** [Ano86b, Ano86c, Ano86d, Ano86a, Ano87a, Ano87b, Ano88]. **Aspects** [Mil89, NPJ79, PS96]. **Assembler** [GW78].  
**Assemblers** [DS86]. **Assembly** [BW71, GW77, Ano86a]. **assess** [JF87, Wir76c, Wir84f]. **Assessing** [FG84a].  
**Assessment** [CGHP79, Wir75f, Wir75g, Wir10a, Wir75a, Wir84b]. **Association** [Sof84, USE85]. **assorted** [Pou90].  
**Atkinson** [Bis82]. **attribute** [KV15]. **Aug** [EN74]. **August** [Ano86a, BS76, BS03].  
**Austria** [BS03, Mos97]. **Author** [Wir78c].  
**authors** [Wir67a]. **Automata** [BMW91].  
**Automatic** [FW65a, FW65b, Mar75].  
**avoids** [JM84]. **Award** [Ash87]. **Axiomatic** [HW72, HW73, HW74, Wir70b, Hoa74].  
**B** [Ano88, Bis84, Ree84]. **B1800** [Hur84].  
**Baby** [Aba94]. **Back** [BBG<sup>+</sup>81a].  
**Backward** [Shr79b, Shr79a]. **Barrett** [Bis81]. **Base** [ISO96, Dis93]. **Based** [AP84, ER92, LG87, MTT81, Rad94, Wir79c, Wir86c, BBS97, BS84, JF87, Mar79, KE85].  
**BASIC**

[JF87, Wir69a, Wir67b, JF87, Sha87]. **basis** [Ran87b]. **Batch** [Bri01a]. **battle** [Gut00a]. **Bauer** [SBE<sup>+</sup>99, SBE<sup>+</sup>99]. **BC** [HLW63]. **Be** [Coh91, Wir91a, Wir91c, PS94]. **Beauty** [FvGGM90]. **Behaviour** [Hur80]. **benchmark** [Dun84]. **Benefits** [Cas91, Com83]. **Benutzerhandbuch** [JWM91]. **Bericht** [Wir76e]. **Berlin** [Atk79a]. **Beryücksichtigung** [JWM91]. **between** [IH71, MHT96, Mös91, MW91b, Mul84, Wir08d]. **Beurteilung** [JF87]. **Beyond** [Ano91, RW92]. **binaries** [FK97]. **Binary** [Gri90]. **bindings** [ISO88]. **Biography** [Ty124]. **Birthday** [FvGGM90, Ano93]. **Bit** [And85, DG98]. **Blackwell** [Bow88]. **block** [Bri94a]. **block-structured** [Bri94a]. **Blocks** [Shr78]. **Board** [WL93]. **boards** [Pou90]. **Bonn** [BD01]. **Book** [Abr74, Ano79, Ano87c, Atk79a, Atk79b, Atk82b, Atk83, Bar77, Bis79a, Bis79b, Bis81, Bis82, Bis84, Bow88, Cyt97, Edw77, Fin77, Mee87, Ree84, Rob82, Ros74, Wal89, Käs83, KPUG93]. **Bookshelf** [Mas98]. **Bootstrap** [GLN76]. **both** [Szy92a]. **Bound** [Wal86]. **Bowles** [Atk79a]. **Brief** [Wir08b, Wir08c]. **BSD** [War03]. **Build** [Rov86]. **Building** [Kom98, Ree00]. **Business** [FvGGM90, Wag00].

**C** [Ano86b, Bar77, Fin77, Rob82, SBE<sup>+</sup>99, AK92, Anoxxa, DO85, DSD97, Eva84, FG82a, FG84a, FG84b, HH95a, HH95b, Lad89, LP83, Mat84, Mös95a, SM95, Tem95]. **C.** [SBE<sup>+</sup>99]. **calculate** [Ran86, Ran87a]. **Call** [Ano93]. **Calls** [Bri02a]. **Cambridge** [Bis81, Bis84, Fin77]. **Can** [Coh91, Wir77k, Wir91a, Wir91c, PS94]. **canonical** [Ran87b]. **Case** [CBG01, DS86, Gut00b, Hop80, Kof88a, Kof88b, Ree00, Sal81, Ano80, Ano86a, Atk82a, Jos79, Jos80, LF82, HM82]. **Case-Study** [Ree00]. **CC** [MFMN89]. **CC-Modula** [MFMN89]. **CCNPASCAL** [NPJ79]. **CDC** [Lid76, Wir72e]. **Ceres** [HN91, Wir90b]. **Ceres-3** [HN91]. **Ceres-Net** [Wir90b]. **certain** [Wir67b]. **Certification** [Wir64b]. **Challenges** [GALW12, Sha87]. **champion** [VN24]. **Changes** [SP96, Wir72a]. **Characters** [Wir73a]. **Charts** [Mar14]. **checker** [LN98]. **Checks** [Wel78]. **Chichester** [Bis82, Ree84, Rob82]. **Children** [Fou91]. **CHILL** [SMB83]. **chip** [BOB<sup>+</sup>00]. **Christian** [Mee87]. **Ciechanowicz** [Ree84]. **Circles** [Wir90e]. **Circuit** [WL93, Wir95a, Wir96a]. **Circuits** [Wir98d, Wir05d, Wir98c]. **City** [Sof84]. **Clarifications** [SP96, SM79]. **Class** [Lev88, SOM94]. **classes** [Szy92a]. **Classic** [Bri01a]. **Clean** [CH79, KT90]. **Clebsch** [Kae95]. **Cleverbyte** [Wir76c, Wir77a]. **Cliffs** [Abr74, Edw77, Ros74]. **Closing** [Wir68a]. **closure** [Dij00]. **cloth** [Bis81]. **cluster** [Ebe00]. **cm.** [Abr74]. **co** [Wir03b]. **co-design** [Wir03b]. **Code** [Amm76, Amm77, Dot90, Fra94b, Lid76, Sch89a, Wir72e, Wir86c, NAJN81, VN24, Alp79, GW77, GW78, Hit79, Lou90, Sch89a]. **Code-Generation** [Fra94b]. **Coding** [Wir69b, Wir70a]. **coefficients** [Kae95]. **Collection** [Wir79a, EMR91]. **Colloquium** [Wir68a]. **COM** [Gut99, Gut00b]. **Combining** [Bud85, DR97]. **come** [Pou91]. **Comm** [Ran87a]. **Command** [DS84]. **Comment** [Wir76a]. **Comments** [Gre86, Hab73, LD75, S<sup>+</sup>67, Wir65a, vD89, Hab84, Jos80, LD84, Wir65c, vDLN65]. **communication** [Szy90]. **compact** [Wir85a]. **Companion** [FH98]. **company** [BOB<sup>+</sup>00]. **Comparing** [Col84, FG84a, Kel21, Lad89]. **Comparison** [BdJ76, BdJ80, Bös92, Bös93, FG82a, Mös95a, Nel79, Wir86c, Eva84, FG84b, Mat84, Ten85, Wic84, Dot90]. **Comparisons** [Liu86]. **Compatibility** [Ten78]. **Compiladores** [Wir90c]. **Compilation** [BBG<sup>+</sup>81k, Fos86, Gut86, Gut87, HM82,

PT92, Wir98d, Wir98c, Wir07f]. **Compiler** [Amm74, Amm76, Amm77, Ber78, BD76, CMH85, CRT80, Cre90b, Cre91, Dot90, Fos86, Fou75, Fra94a, GLN76, Gut87, Gut00a, Hit79, Kir95, Lou90, Mah80, Mös00, Mul24, NAJN74, NAJN76, NAJN81, Pow84a, Pow84b, Ree84, RS76, SFIK80, Som06, WQ72, Wir69a, Wir71a, Wir75d, Wir86c, WG92, Wir96d, Wir96e, Wir05a, Wir07d, Wir07e, Wir08f, Wir11, Wir17b, WJ92a, WJ92b, Amm75, BB91, Des73, Geo74, GM00, MS83, Cre90a, VS15, WC83, Wir85a, Wir85e, Wir77f, Wir84c, Rob82, Cyt97]. **Compilerbau** [Wir77f, Wir84c]. **Compilerbaus** [Wir96e, Wir08f, Wir11]. **Compilers** [Amm75, Pro92, Sha86a, WC81, And84, Por88a, Wir90c]. **completeness** [CD84]. **complex** [Sch00b]. **Complexity** [Wir08e]. **component** [Pou95, Pfi04, Ano06a, Ano06b, Pfi01]. **Components** [Gut00b, Szy00]. **Composable** [Hof00]. **Composition** [Wec98, Wir74a]. **Compositional** [VS15]. **Compression** [BMW91]. **Comput** [Ran87a]. **computation** [Gia89]. **computations** [Shi92]. **Computer** [Ano24a, AP84, BW71, Bis79b, Daw24, DS84, Gru24, Gut87, Haa82, ISO82, Kor24, LM24, MS87, Sev12, Wir68c, Wir69b, Wir70a, Wir72e, Wir79c, Wir79d, Wir81a, Wir85b, Wir90b, Wir95a, Wir98b, Wir07a, Wir08a, Wir10a, Wir10b, AI83, Eur85, IAJ83, IEE83, Kre89, PMR00, Rei84, SBE<sup>+</sup>99, Wir81b, Wir87c, Wir91b, Wir98a, Wir99b, Wir00b, ISO88]. **Computers** [Bal76, Fou75, WQ72, Wir65e, Wir66c, Wir67d, Wir68b, Wir68d, Wir15a, Wir08a]. **Computing** [BST89, Bri96f, Bri02d, GLL74, Tyl24, Wir02a, Wir02b, Wir15a]. **Concept** [Rad94, Sew84a]. **Concepts** [Gut85, Wir67b]. **Concerns** [CLL<sup>+</sup>86, Gol85, Mof84, SS85]. **Concurrency** [BK87, LS94, BBS97]. **Concurrent** [Bri77, Bri02a, Bru87a, Bru87b, DS86, Gol86, Lee85, MFMN89, NPJ79, NW78, SH89, Sch89c, WJ92a, WJ92b, Hay80, Mat80, Bri75a, Bri75b, Bri75c, Bri76a, Bri93, Bri96a, Bri96b, Bri96c, Bri96e, Bri01b, Bri02b, Bri02c, BK87, CGHP79, DSW82, GKLM79, Ker82, Kru82, Rav82, Shr79b, Shr79a]. **concurrente** [Sch86]. **Conference** [Ano91, BBZ01, BBP96, BS03, BD01, GW00, LS06, Mos97, Sof84, USE85, Ano93]. **Configuration** [Jor89a, Jor89b]. **conquered** [Emr21]. **Considered** [SS85]. **Consistent** [BJ86]. **Constant** [Coh91, Wir91a, Wir91c]. **constrained** [KS89]. **Construction** [Wir77f, Wir84c, Wir85b, Wir96d, Wir96e, Wir05a, Wir07a, Wir08f, Wir11, Wir17b, Geo74, Gut00a, Mös00, VS15, Wir87c, Wir00b, Cyt97]. **Constructive** [Bow88]. **Constructs** [MS90]. **context** [LL70]. **context-free** [LL70]. **contextual** [CL82]. **Contracts** [Wec98]. **Contribution** [WH65, Wir66a, WH66a, WH66b, S<sup>+</sup>67]. **Contributions** [BD01, BD02, Wir00a, BD01]. **Control** [Gut97, Wir73a, Wir98b, Bri94a, DNR90, Wir98a, Wir99b]. **Controller** [KS84]. **controversial** [KPUG93]. **Conversational** [AN81, Rob83]. **Conversion** [MS90, For88]. **Converting** [GAK86a, GAK86b, Sch89a, LP83]. **Conway** [Fin77]. **COPAS** [AN81]. **Copying** [FM86]. **core** [Wir98a]. **Coroutines** [KS80, Pad90, Ger82, HT86]. **Corrections** [Wir76b]. **Correctness** [Mey99, Old84]. **Correspondence** [Coh91, Wir78c, Wir91c]. **Corrigenda** [HW74, Wir70a]. **Corrigendum** [Wir68b]. **cost** [Wir90b]. **Costs** [Com83]. **Counters** [Wir15d]. **countess** [For88]. **Course** [Fel86b, Fel86c, GLW94, MS87, Wir69a, Bös98]. **craftsmanship** [Pom93]. **creating** [Ano86a]. **Creator** [Gru24, Cha24, Pro24, VN24]. **Criteria**

[Wir72b]. **Critical**  
[BdJ76, BdJ80, Hab73, Hab84]. **critique**  
[Wir67e]. **Cross** [Hit79, Wir80a]. **Crux**  
[Wir08e]. **CS1** [Kof88a, Kof88b]. **CS2**  
[Kof88a, Kof88b]. **CSP** [CMM87, Gol87].  
**Current** [Wir10a]. **Curriculum**  
[GAK86a, GAK86b]. **curves** [Ano87a].  
**Cyber** [Lid76]. **cybernetics** [Wir67e].

**D** [Ano79, Ano86d, Atk79b, Fin77]. **Dados**  
[Wir89a]. **Daily** [Hop00]. **Dallas** [USE85].  
**Daniels** [Rob82]. **Data** [CC87, Edw77,  
EO80, Fel88, GH93, KT90, Lea87, Moh89,  
SW86, SW87, WA86, WS85, Wir75e,  
Wir76d, Wir83a, Wir84d, Wir84e, Wir86a,  
Wir86b, Wir89a, Wir92, Wir95b, Wir96c,  
Wir99a, Wir04a, Ano87a, Wal89, Wir07f].  
**database** [Rei84]. **Dataflow** [DS84].  
**Datenstrukturen** [Wir86a, Wir95b,  
Wir96c, Wir99a, Wir75e, Wir83a]. **Datos**  
[Wir92]. **David** [Atk83]. **Davos** [GLL74].  
**Dawn** [Day12]. **dead** [Qua24]. **December**  
[Ano87b, Ano88]. **Decimal** [Gri90].  
**Declarations** [BBG<sup>+</sup>81b]. **decompose**  
[RWZ87]. **decomposition** [Ran87b].  
**DECSytem** [GLN76, Nag76].  
**DECSytem-10** [GLN76, Nag76]. **Defense**  
[BBG<sup>+</sup>81]. **defensive** [Jos80]. **defined**  
[DNR90]. **Definition**  
[CDG<sup>+</sup>92, HW72, HW73, HW74, WW65,  
WW66b, WW66c, Wir70b, Hoa74, WW66a].  
**Definitions** [Wil82, Wir77k]. **del** [JW81].  
**demand** [Wir76c, Wir84f]. **Denkplatz**  
[Wir08k]. **Department** [BBG<sup>+</sup>81].  
**Dependence** [MHT96]. **dependencies**  
[RLN03]. **Dependent**  
[BBG<sup>+</sup>81m, Ran86, Ran87a, RWZ87].  
**derivative** [Wir04b]. **Descent** [Amm78a].  
**Description** [ABBH<sup>+</sup>79, BBG<sup>+</sup>69, Floxx,  
HLW63, Wir94b, HN91, JM84, Jen73].  
**Design**  
[GLW94, Geo74, JM84, Ode89, Wir71a,  
Wir72b, Wir5 b, Wir77g, Wir85b, WG92,  
WL93, Wir95a, Wir96a, Wir07a, Wir10b,  
Wir15b, GKLM79, HE82, NW84, Pou93,  
Pro24, Wir74b, Wir87c, Wir00b, Wir03b].  
**Designed** [Wir79d]. **Designing**  
[Ebe00, KM95, Szy92b, Wir89b]. **Detailed**  
[Tyl24]. **Detecting** [GN87]. **Detection**  
[CC87]. **determination** [Arm88]. **develop**  
[PS94]. **Developers** [Kir95]. **Development**  
[Amm74, Ano87c, Com79, KC90, Mul86,  
WH65, Wir66a, WH66a, WH66b, Wir71b,  
Wir71c, Wir83b, Wir93b, Wir96b, Wir00a,  
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**Devices** [Wir08e]. **Diagnostics**  
[WB85a, WB85b]. **Dialogs** [Kna95]. **died**  
[Ano24a, Cha24, LM24, Mey24]. **dienste**  
[War03]. **Dies**  
[Gru24, Kor24, Ros24, Daw24]. **Differences**  
[Mös91, MW91b, Mul84, Wir08d]. **Digital**  
[GLW94, Wir95a, Wir96a, Wir05d].  
**Dijkstra** [Day12, FvGGM90]. **Dimensional**  
[MTT83]. **DIN** [JWM91]. **DIN-Norm**  
[JWM91]. **direct** [RWZ87]. **Discipline**  
[BS84, Wir77b, Wir77c, Wir77d, Wir77e,  
Wir77i]. **Discrete** [SDK06]. **displays**  
[Ano86a]. **Distributed**  
[BST89, Bri01a, Kom98, Lal91]. **Diversity**  
[Wir77k]. **Division** [Wir08i]. **Djavaheri**  
[Ano86b]. **DM21.40** [Atk79a]. **Do**  
[Gut97, Wir77k, Wir08k]. **Doctorates**  
[Wir13]. **Document**  
[BBG<sup>+</sup>81l, GW84, Zel97]. **Does**  
[Dot90, BG88]. **Domain** [Sch01]. **Dr**  
[Ano24b, vdLN65]. **Draft** [ABBH<sup>+</sup>79].  
**Dragon** [Gut87]. **Drawing** [Wir90e].  
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**E12.50** [Bis81]. **E7** [Fin77]. **E7-95** [Fin77].  
**easily** [PS94]. **Easy** [Wal86]. **Economic**  
[Wel78]. **Edison** [KS84]. **Edition** [Wir76b].  
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Ano80, Hay80, Jos80, Wir66b]. **Editorial**  
[Wir72d, Wir77a]. **eds** [Ree84]. **Edsger**  
[FvGGM90]. **Education**  
[Wir02a, Wir02b, Wir91b]. **Effective**

- [Fer95a, Fer95b, Wir95c]. **Efficient** [Gut86]. **Eignung** [JF87]. **Einführung** [Wir75h, Wir77f, Wir83d, Wir84c]. **elegant** [VN24]. **Elements** [BBG<sup>+</sup>81h]. **elimination** [CG94]. **Ellipses** [Wir90e]. **Ellis** [Atk82b, Rob82]. **Embedded** [Nie88, Wir01a]. **Emil** [TWB11a, TWB11b, TWB11c]. **Emmy** [Alp79]. **Empirical** [HH95a, HH95b, Coo89]. **Emulating** [Fra93]. **End** [Kna95]. **Ended** [Lea87]. **Engelwood** [Edw77]. **Engineer** [Wir81a, Lüt21, Wir81b]. **Engineering** [BD01, BD02, Day12, Pom85, Pom93, SOM94, Wir08b, Wir08c, Ano86d, Bud85, WS84]. **Englewood** [Abr74, Ros74]. **Entwicklung** [Amm75]. **Enumerated** [Cas91]. **Enumerations** [Lin90]. **Environment** [Wir90g, FM86, GC88, Hir83, Jor90a, Jor90b, MPT86, Moh77, MLKK97c, Lal91, Szy90]. **environments** [Pou95]. **Erfinder** [Qua24]. **erklärbar** [Wir08a]. **Errata** [WH66b, WW66a]. **Erratum** [Ran87a]. **Error** [Amm78a, Reh87, Shr79b, Shr79a]. **errors** [LF82]. **Ershov** [BBZ01, BBP96]. **erstreben** [Wir08k]. **essay** [Wir99c]. **Essays** [Bri96d]. **Essence** [Nau94, Wir03a]. **Estructuras** [Wir92]. **Estruturas** [Wir89a]. **Euclid** [BET78, BK87]. **EULER** [WW66a, Web67, WW65, WW66b, WW66c]. **Euromicro** [Käs83]. **Evaluating** [GC00]. **Evaluation** [SIRB16, Mey99]. **Event** [Mar84]. **Evolution** [Pfi04, VN24]. **Examples** [Shr79b, SH89]. **Exception** [EBP93, Pad90]. **Exceptions** [BBG<sup>+</sup>81c]. **Execution** [CBG01]. **EXecutor** [KE85]. **exemples** [Sch86]. **exercise** [Sal92]. **Exercises** [Wir96c]. **Experience** [Ber78, Bri77, Lou90, Sch88, Tag88, Lec73]. **Experiences** [Jor89a, Jor89b, NW78]. **Experiment** [PD81]. **Experimental** [WL93]. **Experimentation** [Wir08h]. **Experiments** [Wir10b, KS89]. **explainable** [Wir08a]. **Explosion** [Wir94a]. **Expressions** [BBG<sup>+</sup>81i]. **Extended** [ISO91, LN98, PS94, ISO90a]. **Extending** [Hei03, Rov86, Tsi82]. **Extensibility** [Mös94]. **Extensible** [Jor90a, Jor90b, Mar96, PS94, Saw96, Szy92b, Szy91]. **Extension** [Coh91, KS80, Liu86, MTT81, MTT83, MTG89, Wir68c, Wir87a, Wir91c, WL93, BH95, Ger82, Sal92, Wir91a]. **Extension-Board** [WL93]. **Extensions** [CMH85, Lea87, Nig93, PSSW97, SM79, Wir88f]. **external** [Tsi82]. **extract** [Wir77a].
- F** [SBE<sup>+</sup>99, Pou95]. **F.** [SBE<sup>+</sup>99]. **Facilities** [Sew84b]. **Facility** [Hur84, Wir79b, CW82]. **family** [BCFT92, BCFT95]. **Fast** [ST86, Wir85a, Wir88c, WGH<sup>+</sup>92]. **Father** [Pos24]. **Favorite** [Ker81, Ker84, Bös98]. **Features** [BBG<sup>+</sup>81m, Shr79b]. **Federal** [Ano85]. **Fertigung** [Pom93]. **Few** [Pes97]. **FFF97** [Tem00]. **figure** [VN24]. **Files** [Gut86]. **Find** [Wir65d]. **Findally** [Atk79b]. **finding** [IH71]. **Finite** [Wir08e]. **First** [HH95a, HH95b, Li88, SIRB16, Ash87, Bös98]. **first-course** [Bös98]. **Fish** [Gut97]. **Five** [Rit02]. **Flaws** [JM84]. **Flexible** [Wil82]. **Flight** [Wir98b, Wir98a, Wir99b]. **Floating** [Dot90, Dun84]. **floating-point** [Dun84]. **Flow** [CC87]. **Floyd** [SBE<sup>+</sup>99, SBE<sup>+</sup>99]. **Fly** [Fra94b]. **forces** [Sch89b]. **Ford** [Ano87c]. **foregoing** [Wir65c]. **form** [LL70]. **FORMAC** [Wir65b]. **Formal** [KP97b, WW65, WW66b, WW66c, BH95, WW66a]. **Formatted** [Woo86]. **Formatting** [BS84]. **Formelsammlung** [EMR91]. **formulas** [EMR91]. **Fortran** [CNW80, Ker82, Mös95a, CCN<sup>+</sup>79, Fre81, MHT96, Moh77, PD81]. **Fortran-to-Pcode** [CCN<sup>+</sup>79]. **Fortran-to-Universal** [CNW80]. **Forum** [FG82b, Pet82]. **Foundations** [Atk82b]. **founded** [Dij00]. **four** [Por88a]. **Fourth** [BBZ01]. **FPGA** [WL93, Wir15b]. **FPGAs** [GLW94, Wir96a]. **Framework** [Szy92b, KM95, Pou95]. **Frameworks** [GC03]. **free** [LL70, Ran86, Ran87a, RWZ87]. **FreeDOS**

[War03]. **Fresh** [Fra97]. **Front** [BBG<sup>+</sup>81d]. **fully** [BG88]. **FUMBLR** [McC83]. **functional** [Ode00]. **Functions** [BH86, Wir65d]. **Fundamentals** [Wir96e, Wir08f, Wir11]. **Future** [GALW12, Gut94, Pou93].

**G** [Ano79, Ano87a, Bar77]. **gadgets** [Pou90]. **Gary** [Ano87c]. **Gast** [War03]. **Gast-Systeme** [War03]. **Gates** [KPUG93]. **Gedanken** [Wir94a]. **Generalization** [Wir63b, Wir63a, WW65, WW66b, WW66c, Wir75b, KM95, WW66a]. **Generate** [Dot90]. **Generated** [Dot90]. **generating** [Kae95]. **Generation** [Amm76, Amm77, Fra94b, Kor24, Lid76, Wir72e, Wir86c]. **Generator** [Sch89a, Wir80a, MS83]. **Generic** [BBG<sup>+</sup>81e, CI85, Gol86, LS87, Wie84, WS85]. **Generics** [BJ86, ISO98a]. **German** [Amm75, EMR91, JF87, Mös93c, Mös98, Pom85, Pom93, Qua24, RW94, SBE<sup>+</sup>99, Wir72c, Wir74d, Wir75e, Wir75h, Wir76e, Wir77f, Wir83a, Wir83d, Wir84c, Wir85c, Wir86a, Wir90d, Wir94a, Wir95b, Wir96c, Wir96e, Wir99a, Wir08a, Wir08f, Wir08k, Wir11]. **GKS** [ISO88]. **glance** [Wir18]. **Glass** [Wir05b, Wir06]. **Glimpse** [Pou93]. **global** [Old84]. **GNU** [Mul24]. **Goals** [Wir84a]. **goes** [Rib90]. **Goldstein** [Ano86d]. **Good** [Wir05b, Wir06]. **Gordan** [Kae95]. **GPIO** [Ano86d]. **Grading** [FW65a, FW65b]. **grammar** [KV15]. **grammars** [LL70]. **Graphical** [MTT81, MTT83, JCL85, ISO88]. **Graphics** [Det93, Mil89, ISO88, Yip84]. **Grew** [Rit02, Har90]. **grid** [Sch01]. **Gries** [Fin77]. **Grogono** [Bis79b]. **Group** [Sof84]. **Growing** [Wir08e]. **Grundlagen** [Wir96e, Wir08f, Wir11]. **Guest** [Wir72d, Wir77a]. **Guide** [Chr86, FH98, Mas98, Mee87, Rei91, Tem95, Atk83, Gut90, Tem90]. **Guidelines** [Kir95].

**H** [Bis81, SBE<sup>+</sup>99]. **H.** [SBE<sup>+</sup>99]. **Habermann** [LD74]. **Hall** [Abr74, Edw77, Ros74, Wal89]. **handbook** [CK81]. **Handbuch** [War03]. **Handling** [EBP93, Pad90, Reh87, Wir65c, vdLN65]. **Handwerk** [Pom93]. **Hardback** [Atk82b, Bis82, Ano79, Bis84, Mee87, Ree84]. **Hardware** [HN91, Wir87d, Wir87e, Wir87f, Wir87g, Wir98c, Wir98d, Wir03b, Wir98a]. **Hardware/software** [Wir03b]. **Hashing** [BH86]. **Heap** [Mar79, Sch80]. **Heap-based** [Mar79]. **heaven** [Wir77a, Wir76c]. **held** [BS76, EN74]. **Helicopter** [Wir98b, Wir98a, Wir99b]. **Hemel** [Wal89]. **Hempstead** [Wal89]. **Hermes** [Hir83]. **Heterogeneous** [ER92]. **Heyden** [Bar77]. **hierarchies** [BS76]. **High** [Cra85, DSD97, Wir79b, Wir79c, Wir79d]. **High-Level** [Wir79b, Wir79c, Wir79d]. **High-Performance** [DSD97]. **highly** [BB91]. **highly-portable** [BB91]. **Historic** [Bös05, BD01]. **Historical** [Wir10a]. **History** [BG96, Bri96a, Ric74, Wir84a, Wir08b, Wir08c, Bri93, Bri96b]. **Hoare** [Krá66, S<sup>+</sup>67]. **Hobby** [Wil80]. **honor** [Ano93]. **Honorary** [Wir13]. **Honours** [Wir13]. **HOPL** [Rit02]. **Horwood** [Atk82b, Rob82]. **HotSpot<sup>TM</sup>** [GM00]. **Human** [Bös05].

**IBM** [Ano87b, Fou75, Mal71, Mal72, RS76, Sha86a, Web67]. **ICL** [WQ72]. **Ideas** [Wir05b, Wir06]. **Identification** [ST86, Ran86, Ran87a, RWZ87, Ran87b]. **Identifiers** [And86]. **Idiomatic** [FG82b, Pet82]. **IEC** [ISO91, ISO96, ISO98a, ISO98b, PS96, SP96]. **IEEE** [AI83, Ano86d, AI83, AC90, Ame83]. **ihn** [Wir08k]. **ihre** [SBE<sup>+</sup>99]. **II** [BG96, Fou91, RWZ87, WW66c]. **III** [Ran87b]. **Ilem** [Wal86]. **illustrated** [SH89]. **Illustré** [Sch86]. **im** [SBE<sup>+</sup>99]. **Impact** [Tyl24]. **imperative** [Bai88a, Bai88b]. **implement** [GKLM79]. **Implementation**



[AP84, Bal76, Bla89, BBG<sup>+</sup>81m, Bri88, BDW88, CMM87, EBP93, Fei74, Gut00b, HS84, Mac79, Mar79, Mat80, NAJN74, NAJN76, NAJN81, OW83, PD02, Rei84, RS76, Sal81, Shr79a, WH86, Wir75d, Wir75c, Wir5 b, Wir77g, Wir81c, Wir07b, Wir14, Wir15b, Amm78b, Bar78, BBG68, DSW82, FH15, Fra90a, Gut99, HE82, Ker82, Par85, Rob82, Tem90, Web67, Hay80].

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**ing** [Szy92b].

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**Initializing** [McC83].

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**Input/Output** [Cra85, Lea87, Ode89].

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**Interference** [Bri94a].

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**Intermediate** [GW77, GW78, Nel79].

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**Interviews** [SBE<sup>+</sup>99, KW85].

**intrinsically** [Sch00b].

**Introducing** [Ano94, Wya94].

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**Inventor** [Wir78b, Qua24].

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**J** [Ano86d, Bis81, Ree84, SBE<sup>+</sup>99].

**J.** [Ano86b, Ano86c, Ano86d, Ano86a, Ano87a, Ano87b, Ano88, SBE<sup>+</sup>99].

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**Jerry** [Pou90].

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**JKU** [Ano24b].

**JML** [Mos97].

**JMLC** [BS03, GW00, LS06].

**Job** [Bri76b].

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**July** [Ano86a, BS76, BBZ01, Gia89].

**July/August** [Ano86a].

**June** [Ano86b, Ano86c, Ano86d, BBP96, BD01, Sof84].

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**Kenneth** [Atk79a].

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**Konfiguration** [War03].

**L** [Ano86d, Ano88, Atk79a, Bis84, SBE<sup>+</sup>99]. **L2** [Wir65d]. **Laboratory** [GLW94, Ano86d]. **Lagoona** [Fra97]. **Lake** [Sof84]. **Language** [Ame83, Ano06b, Ano18, AP84, Bal76, BBG<sup>+</sup>69, BW71, BdJ80, BBG<sup>+</sup>81l, Bri94b, Bri96c, Bri96f, Bri02b, Bri02d, CDG<sup>+</sup>92, Cor88, ER92, Fes24, Floxx, Fra97, GW77, GW78, Gut00b, Hab73, Har94, HH95a, HH95b, HW72, HW73, HW74, Hur84, ISO82, ISO96, Ker81, Ker84, LD75, Mac79, MPT86, Mal71, Mal72, Mar79, MW91a, MW93, Nik97, Rad94, Rob83, SIRB16, Shr79b, Tem94, WB79, Wir65e, Wir66c, Wir67d, Wir68b, Wir68d, Wir70b, Wir70c, Wir71d, Wir72f, Wir72g, Wir72b, Wir73b, Wir75f, Wir75g, Wir77h, Wir79c, Wir79d, Wir85b, Wir88e, Wir90h, Wir94b, Wir96a, Wir98b, Wir01c, Wir02e, Wir05c, Wir07b, Wir07a, Wir16, AC90, Ano86a, BH95, Bar78, Bös98, Bri75a, Bri75b, Bri94a, Dub85, Eur85, Emr21, Gut99, Hab84, Har90, Hoa74, IAJ83, IEE83, ISO88, JW81]. **language** [LD74, Lec74, LD84, Mey99, Mös91, Pir19, Pou91, Rei84, Sal92, SOM94, Wir72a, Wir75a, Wir5 a, Wir76e, Wir84b, Wir87b, Wir87c, Wir88c, Wir90f, Wir90d, WGH<sup>+</sup>92, Wir00b, Woo94, BS76, AI83]. **Language-Sensitive** [Rob83]. **Languages** [Ano93, BST89, BdJ76, BS03, FG82a, FG84a, GC00, GC03, GALW12, LS06, Nel79, Rit02, SMB83, Wir79b, Wir87d, Wir87e, Wir87f, Wir87g, Wir00a, Wir03a, BG96, Eva84, FG84b, GW00, ISO90b, ISO91, ISO96, ISO98a, ISO98b, JF87, Mos97, Sou90, Wir67b, Wir74b, Wir76c, Wir84f]. **Lara** [Gut85]. **Large** [Com79, Rov86, You81]. **latest** [Pou91]. **Laurence** [Bis82]. **Lawrie** [Atk82b]. **Lazy** [Com83]. **leader** [KPUG93]. **Lean** [Sch00b, Wir95e, VN24]. **Learning** [Geh00]. **Lebensgeschichte** [SBE<sup>+</sup>99]. **Lectures** [Ash87]. **Legacy** [Tyl24]. **Less** [CLL<sup>+</sup>86]. **Letter** [Ano80, Wir66b]. **Letters** [Hay80, Jos80]. **Level** [Cra85, Wir79b, Wir79c, Wir79d, Tag88]. **Leveraging** [GC03]. **Levi** [Ran87b]. **Levrat** [Ano88]. **Lexical** [BBG<sup>+</sup>81h]. **Lexing** [Spe83]. **Library** [BHHM86, Ode89, ADDM84]. **Lie** [Ran87a, Ran86, RWZ87, Ran87b]. **life** [Hop00, SBE<sup>+</sup>99]. **Lightweight** [Som06, Pou95]. **like** [Arm88, BW71, Mey99, Old84]. **LILITH** [Wir81b, Coo89, DS84, GW84, Ohr84, Pom85, Rei84, Wag00, Wir81a, Wir85e]. **Lilith/Modula** [DS84]. **Limits** [Gut87]. **line** [Mey99]. **LineDrawing** [Por88b]. **Lines** [Wir90e]. **linguaggio** [JW81]. **linguistic** [JF87]. **Link** [Fer95a, Fer95b]. **Link-Time** [Fer95a, Fer95b]. **Linked** [Lev88]. **Linux** [War03]. **Linz** [Mos97]. **LISP** [JF87, JF87]. **List** [IH71, Lev88, Zim85]. **Lists** [BH86]. **Little** [Rit02]. **Local** [Sha86b, SM95, Tag88]. **Logic** [Li88, Pri10, Wir94b, Wir08e]. **Lola** [Wir94b, Wir95d, Wir96a, Wir14]. **Lola-2** [Wir94b, Wir14]. **London** [Bar77]. **Look** [Fra97, Lid76, Ten78, JM84, KPUG93, Pou91]. **Looking** [Wir05b, Wir06]. **looks** [Pou90]. **Loss** [Ano24b]. **Lotus** [Gut00a]. **Loughborough** [Ano91]. **Low** [Tag88, Wir90b]. **Low-cost** [Wir90b]. **Low-level** [Tag88]. **LSI** [Hay80, Hit79, Mah80, Mat80]. **LSI-11'** [Hay80, Hit79, Mah80, Mat80]. **M** [Ano79, Ano86b, Bis79a, Rob82]. **Mac** [Pou95]. **Machine** [Wir69b, Wir70a, Zam96, GM00, Jen73, GC00]. **Machines** [Lid76, Pri10, Wir08e]. **Macintosh** [Wir88c, WGH<sup>+</sup>92]. **MacMETH** [Wir88c]. **Macmillan** [Bis79a]. **MacOberon** [Fra90a, Fra90b]. **Macro** [BO83, Com79]. **made** [BOB<sup>+</sup>00]. **mainframe** [DSW82]. **Making** [AJ90]. **Managed** [GC03]. **Management** [Jor89a, Jor89b]. **Manager** [ORT81]. **MANGLE** [Sew87]. **Manipulation** [And85, Bis84, Wir64a]. **Manual** [Ano86e, BBG<sup>+</sup>81l, JW74b, JW75, JW85, JW91, Rei91, Sit72, WGH<sup>+</sup>92,

Fra90b, JW74a, JW81]. **manuale** [JW81]. **Many** [Pos24]. **MAP** [Com79]. **Mapping** [Anoxxa]. **March** [Mos97]. **Marktoberdorf** [BS76]. **Marshall** [Ano86d, Bow88]. **MAS** [KP97a]. **MASCOT** [Bud85]. **Mass** [Fin77]. **Masses** [Ano18]. **Master** [BK87]. **Master/Slave** [BK87]. **Matching** [Liu86]. **mathematics** [EMR91]. **Mathematik** [EMR91]. **Matter** [BBG<sup>+</sup>81a, BBG<sup>+</sup>81d]. **May** [Ano86b, Ano86c, Ano86d]. **May/June** [Ano86b, Ano86c, Ano86d]. **Measuring** [DP85]. **Mechanism** [EBP93, Tsi82]. **Medos** [Knu00]. **meets** [And89, For88, Wag00]. **Memo** [Wir98a, Wir98b]. **Memoir** [Tyl24]. **Memorial** [BBP96, BBZ01]. **Memoriam** [GS24, Spi24a]. **Memory** [McC83]. **Message** [Hof00]. **Messages** [FF00]. **Messer** [Bow88]. **Method** [Amm74, Amm75]. **Methode** [Amm75]. **methodical** [Atk79b]. **Methodology** [Mac79]. **Methods** [Sch01, KS89]. **Metrowerks** [Tay90]. **Microcoded** [CMH85]. **Microcomputer** [Bow77, OW83, Atk79a]. **Microcomputers** [Car85, Ano87a]. **Microcontroller** [Wir05c, Wir08h]. **Microprocessor** [Wir86c]. **microprogrammed** [Web67]. **Microsoft** [KPUG93]. **Minicomputer** [CRT80]. **Minicomputers** [BD76]. **Minimal** [BH86]. **MINOS** [Ode89]. **MIRA** [MTT83]. **MIRA-3D** [MTT83]. **MIZAR** [RD85, RD86]. **Model** [MS99a, MS99b, WH86, Wir98b, Web67, Wir98a, Wir99b]. **Modern** [ER92]. **Modest** [Zim85]. **Modification** [CRT80]. **Modula** [Ano86d, Ano86a, Ano87b, Ano91, Gol85, Gre86, Pom85, SS85, Tay90, Tor87b, Wir96c, Bud85, BOB<sup>+</sup>00, CLL<sup>+</sup>86, Col84, Gol86, PT92, Sou90, Wir5 a, Wir5 b, Wir78a, Wir80b, Wir90a, Aba94, And84, And85, And86, And89, AK92, Ano86b, Ano86c, Ano86d, Ano86a, Ano86e, Ano87a, Ano87b, Ano88, Wir90g, Ano94, AJ90, Bai88a, Bai88b, BET78, Bat91, BJ86, BG88, BHHM86, Bie85, Bis91, Bla89, Bon87, Bös92, Bös93, BB91, BH86, Bru86a, Bru86b, Bru87a, Bru87b, BDW88, BK87, CDJ<sup>+</sup>89, CDG<sup>+</sup>92, Car85, Cas91, Chr86, CMM87, Cor88, Cra85, CI85, DS84, Det93, DNR90, DO85, Dot90, DP85, Dun84, EBP93, EO80, ER92, Fel86a, Fel86b, Fel86c, Fel88, Fer95a, Fer95b, For88, Fos86, Fou91, Fre95, GAK86a, GAK86b, GH93, Gol87]. **Modula** [GN87, GC88, Gut84, Gut86, Gut87, Har90, Har92, Har94, HS84, Hem88, Hir83, HH95a, HH95b, Hop80, HKMN93, Hur84, ISO96, ISO98a, ISO98b, JPPM96a, JPPM96b, JPPM96c, JM84, Jor89a, Jor89b, Jor90a, Jor90b, Kin89, KC90, Kin91, Kin93, KT90, Kof88a, Kof88b, Kom98, KP97a, LG87, Lad89, Lea87, Lee85, LS87, LN98, Lev88, Li88, Lo85, Lou90, MPT86, Mah80, Mas98, MS87, MS84, Mof84, Moh89, MFMN89, Mul84, Mul86, Mul24, Nan89, Nel91, Nie88, Ode89, Ohr84, Pad90, Pas85, Pom85, Por88a, Por88c, Pou90, Pow84a, Pow84b, Pow84c, Pro92, PS96, PSSW97, Reh87, Rei84, RW92, Rib90, RL01, Rov86, RS95, Sal92, SIRB16, Sav87, Sch88, Sch86, SH89, SP96, Sch89b, Sch89c, ST86, Sed93, Sew87, Sew84a, Sew84b, Sew88, Sha86a, Sha86b]. **Modula** [Sha87, SW86, SMB83, Spe86, Spe83, SW87, SG82, SM95, Tag88, Ter86, Tho92a, Tho92b, Tor87a, Vix92, WA86, Wie84, WS84, WS85, Wie86, Wir77g, Wir77h, Wir77j, Wir82, Wir83c, Wir84a, Wir85a, Wir85d, Wir85c, Wir85e, Wir86a, Wir87b, Wir88c, Wir88b, Wir88d, Wir90f, WGH<sup>+</sup>92, Wir96c, Wir04b, Wir07c, WF84, Woo86, Woo93, Woo94, WJ92a, WJ92b, Wya94, Zim85, Ano86c, Käs83, Mee87, Ano86b, Ano87c, Bow88]. **Modula-2** [Ano86d, Ano86a, Ano87b, Ano88, Ano91, Gol85, Gre86, Pom85, SS85, Tay90, Tor87b, Wir96c, Bud85, BOB<sup>+</sup>00, CLL<sup>+</sup>86, Col84, Gol86, PT92, Sou90, Wir78a, Wir80b, Wir90a, And85, And86, And89, AK92, Ano86b, Ano86c, Ano86d,

Ano86a, Ano86e, Ano87a, Ano87b, Ano88, Wir90g, AJ90, Bai88a, Bai88b, Bat91, BJ86, BG88, BHHM86, Bie85, Bis91, Bla89, Bon87, BB91, BH86, Bru86a, Bru86b, Bru87a, Bru87b, BDW88, Car85, Cas91, Chr86, CMM87, Cor88, Cra85, CI85, Det93, DNR90, DO85, Dot90, Dun84, EBP93, Fel86a, Fel86b, Fel86c, Fel88, For88, Fos86, GAK86a, GAK86b, GH93, Gol87, GN87, GC88, Gut84, Gut86, Gut87, Har90, HS84, Hem88, Hir83, HH95a, HH95b, Hop80, ISO96, ISO98a, ISO98b, JPPM96a, JPPM96b]. **Modula-2** [JPPM96c, JM84, Jor89a, Jor89b, Kin89, KC90, Kin91, KT90, Kof88a, Kof88b, Kre89, KP97a, LG87, Lad89, Lea87, Lee85, LS87, Li88, Lo85, Lou90, MPT86, MS87, MS84, Mof84, Moh89, MFMN89, Mul84, Mul24, Nan89, Nie88, Ode89, Ohr84, Pad90, Pas85, Pom85, Por88a, Por88c, Pou90, Pow84a, Pow84b, Pow84c, Pro92, PS96, PSSW97, Reh87, Rib90, RL01, Rov86, Sal92, SIRB16, Sav87, Sch88, Sch86, SH89, SP96, Sch89b, Sch89c, ST86, Sew87, Sew84a, Sew84b, Sew88, Sha86a, Sha86b, Sha87, SW86, Spe82, Spe83, SW87, SG82, SM95, Tag88, Ter86, Tho92a, Tho92b, Tor87a, WA86, Wie84, WS84, WS85, Wie86, Wir82, Wir83c, Wir84a, Wir85a, Wir85d, Wir85c, Wir85e, Wir86a, Wir88c, Wir88d, WGH<sup>+</sup>92, Wir96c, Wir04b, Wir07c, WF84, Woo86, Woo93, Woo94, WJ92a]. **Modula-2** [WJ92b, Ano86c, Käs83, Mee87, Ano86b, Ano87c, Bow88]. **Modula-2/86** [Ano86e]. **Modula-2/MUPE-2** [MPT86]. **Modula-3** [Aba94, Ano94, Bös92, Bös93, CDG<sup>+</sup>92, ER92, Fer95a, Fer95b, Fre95, Har90, Har92, Har94, HKMN93, Jor90a, Jor90b, Kin93, Kom98, LN98, Lev88, Mas98, Nel91, RS95, Sed93, Vix92, Wya94]. **Modula-Prolog** [Mul86]. **Modula/R** [Rei84]. **Modular** [BS03, Bri77, GC03, GW00, LS06, Mos97, SM81, WB79, Wir77h, EF88, KV15, BS03, GW00, LS06, Mos97]. **Modulas** [Dub85]. **Modulas-1** [Dub85]. **Module** [Por88b, Rad94, Wie84, Wir79b, CW82]. **Modules** [LS87, Sha86b, SM95, Szy92a, Szy00, ADDM84, PS94]. **Molau** [Ano87a]. **Monitor** [Sew84a]. **Monitoring** [Hur84]. **Monitors** [Bri93, Bri96a, Bri96b, Bri78b, Ter86]. **Moore** [Atk82b]. **most** [Arm88]. **most-recent** [Arm88]. **Mourns** [Ano24b, Qua24]. **Move** [AJ90]. **MS** [Dis93]. **MS-DOS** [Dis93]. **Multi** [Sch01, Kru82]. **Multi-grid** [Sch01]. **multi-user** [Kru82]. **Multimedia** [Pou90]. **Multiple** [Fel86b, Fel86c, Wir64b]. **Multiprocessing** [Wir96f]. **Multiprocessor** [AP84, Bri78a, BA88, Bri88]. **Multiprogramming** [WB79, Wir69b, Wir70a, Wir77h, Wir5 a]. **Multitasking** [Bis91, CBG01]. **MUPE-2** [MPT86]. **My** [Ker81, Ker84, Bös98]. **myself** [Lüt21].

**N** [Edw77, LD74, Ros74, SBE<sup>+</sup>99, Wal89, vdLN65]. **N**. [Hop00, Mar14, SBE<sup>+</sup>99, Wir00c]. **N.J** [Abr74, Edw77, Ros74]. **N.Wirth** [Wir14]. **nach** [Amm75]. **Names** [BBG<sup>+</sup>81i]. **National** [IEE83]. **Need** [Gut97, BG88, Szy92a]. **needed** [PS94]. **neglected** [Wir07f]. **NELIAC** [HLW63]. **Nerima** [Ano88]. **Nested** [Hei03, Pad90]. **Net** [Wir90b]. **nets** [Ode00]. **NetWare** [War03]. **Network** [ER92, Szy90, Tag88, Wir90b, Ebe00, Bri78a]. **Netzwerke** [War03]. **Netzwerkconfiguration** [War03]. **neue** [RW94]. **News** [GS24]. **Newton** [KS89]. **Newton-type** [KS89]. **Niklaus** [Ano93, Ano24b, Cyt97, Fes24, Abr74, Ano18, Ano24a, Ano24c, Bös00, Cha24, Daw24, GS24, Gru24, Hol21, Käs83, Kor24, LM24, Mey24, Mös00, Pes97, PMR00, Pos24, Pou91, Pou95, Pro24, Qua24, Ros24, Sev12, Spi24a, Spi24b, TWB11a, TWB11b, TWB11c, Tyl24, VN24]. **nil**

[Ran86, Ran87a]. **No** [Ano79, Ano86b, Ano86c, Ano86d, Ano86a, Ano87a, Ano87b, Ano87c, Ano88, Atk79a, Atk79b, Atk82b, Atk83, Bar77, Bis79a, Bis79b, Bis81, Bis82, Bis84, Bow88, Fin77, Mee87, Ree84, Rob82, Ros74, Wir73a, Edw77, Ran87a]. **noch** [Wir08a]. **nonlinearly** [KS89]. **Nook** [Cyt97]. **Norm** [JWM91]. **Notation** [Wil82, Wir77k]. **Note** [Krá66, Tor87b, Wir76a, Wir08i, Ger82, LL70, Wir66b]. **Notes** [NAJN74, NAJN76, NAJN81, PHT91, Wir66a, Wir75d, Wir95d]. **Notes<sup>TM</sup>** [Gut00a]. **notice** [Ran87a]. **Novell** [War03]. **November** [Ano87b, Ano88]. **November/December** [Ano87b, Ano88]. **Novosibirsk** [BBZ01, BBP96, EN74]. **Nr** [Wir98a, Wir98b]. **Nucleus** [Hop80]. **numerical** [EMR91, KS89]. **numerischen** [EMR91]. **Numerous** [Wir96c].

**O** [Syd94]. **Oakwood** [Kir95]. **Obeisance** [Wir78b]. **Oberon** [RW94, War03, Dis93, Mil89, Pfi04, Anoxxb, Bös92, Bös93, BCFT92, BCFT95, Cre90b, Cre91, DR97, DG96, DSD97, DG98, FH98, Floxx, FH15, Fou91, Fra00a, Fra00b, Gut90, Gut94, Gut97, Gut99, Gut00b, Hof00, Kel21, KPUG93, Kir95, Kna95, Kna97, KP97b, Lal91, LS94, Lin90, Mar94, Mar96, MS99a, Mös95a, MTG89, Mös91, MW91b, MW91a, Mös93a, Mös93b, Mös93c, MW93, Mös94, Mös95b, Mös95c, Mös98, MS99b, MLKK97a, MLKK97b, Nau94, Nig93, Nik97, PHT91, Pir19, Pou91, Pou93, Pou95, Rad93, Rad94, Ree00, Cre90a, Rei91, RW92, RW94, RL01, Saw96, SR15, Som06, Szy90, Szy91, Tem90, Tem94, Tem95, Tem00, Wir87b, Wir88b, WG8 , Wir88a, Wir88e, WG89, Wir90f, Wir90h, Wir90d, WG92, Wir98b, Wir04a, Wir04b, Wir07c, Wir07d]. **Oberon** [Wir07e, Wir08d, Wir08g, Wir16, Wir18, Zam96, Zel97, vD89]. **Oberon-0** [FH15, SR15]. **Oberon-07** [Kel21, Wir07e, Wir18]. **Oberon-2** [Pfi04,

Bös92, Bös93, DSD97, Floxx, Kel21, Kir95, MS99a, Mös95a, Mös91, MW91b, MW91a, Mös93a, Mös93c, MW93, Mös95b, Mös95c, Mös98, MS99b, MLKK97a, MLKK97b, Nig93, Nik97, Pir19, RL01, Tem95]. **Oberon-ARM** [Wir08g]. **Oberon-System** [Kna97]. **Oberon/F** [Pou95]. **Oberon0** [KV15, VS15]. **Obituary** [Ano24c, Spi24b]. **Object** [Bon87, ER92, Fra97, MTG89, Mös93b, Mös95c, Rad94, Tho92a, Tho92b, Wec98, BG88, Pou93, Pou95, Ste98, Wir90a, ISO98b, MTG89, Mös93c, Mös98, Tes85, Ano86c]. **Object-Based** [ER92]. **Object-Orientation** [Fra97]. **Object-Oriented** [MTG89, Mös93b, Mös95c, Rad94, Pou93, Pou95, Ste98, Wir90a, Ano86c]. **Objects** [Bla89, DR97, ER92, GN87, Gut97, Sav87, Tor87b, Aba94, BBS97, Gut99, Wie86]. **Objektorientierte** [Mös93c, Mös98]. **occam** [KS84]. **October** [Ano87a]. **Ofront<sup>TM</sup>** [Tem95]. **on-line** [Mey99]. **On-the-Fly** [Fra94b]. **One** [CRT80, Gri90, Gut87]. **One-address** [CRT80]. **One-pass** [Gut87]. **Online** [Zel97]. **Only** [Lea87]. **OOP** [Har90]. **OP** [Cre90a]. **OP2** [Cre90b, Cre91]. **Open** [Lea87]. **Open-Ended** [Lea87]. **Operating** [BHHM86, Bri76a, Bri76b, Bri96e, Bri01a, Bri01b, Bri02c, Bru86a, Bru86b, Fra93, Hir83, WG92, WF84, Kru82, Pou93]. **Operation** [Fel86b, Fel86c]. **Operation-Systems** [Fel86b, Fel86c]. **Operations** [LS79, Pri10]. **Optimization** [Fer95a, Fer95b, SDK06]. **Optimizations** [Fra94a]. **Optimizing** [Atk82a, Lou90, Pow84a, Pow84b]. **Order** [Li88]. **Organization** [Amm78a, Wir69b, Wir70a]. **Orientation** [Fra97]. **Oriented** [ISO98b, LG87, MTG89, Mös93b, Mös93c, Mös95c, Mös98, Rad94, Tho92a, Tho92b, Bai88a, Bai88b, BG88, JCL85, Pou93,

Pou95, Ste98, Wir90a, Ano86c]. **Origin** [Bri02a]. **Original** [BD01]. **OS/2** [Rib90, Sch89b]. **Osborne** [Ano86b]. **Other** [GC00]. **our** [FvGGM90]. **Output** [BBG<sup>+</sup>81f, Cra85, Lea87, Ode89]. **Outreal** [Wir65g]. **Outward** [Wal86]. **Overlooked** [Fra00a, Fra00b]. **Overview** [HS84]. **Own** [Ree00]. **Oxford** [LS06].

**P** [Ano88, Bow88, Wir75d, Alp79, Ber78, CRT80, GW77, GW78, Hur80, Jen73, Lou90, NAJN74, NAJN76, NAJN81, Sch89a].

**P-Code** [Alp79, GW77, GW78, Hit79, Lou90, Sch89a, NAJN81]. **P-Compiler** [Ber78]. **P-machine** [Jen73]. **P4** [Rob82].

**Package** [LG87, Mar84]. **Packages** [BBG<sup>+</sup>81j, Det93]. **Page** [Bis84]. **Pages** [Nou05, Ano79, Ano87c, Atk79a, Atk79b, Atk82b, Atk83, Bar77, Bis79a, Bis79b, Bis81, Bis82, Bis84, Bow88, Edw77, Fin77, Mee87, Ree84, Rob82, Ros74]. **PAIL**

[GW78, GW77]. **PAIL-3** [GW77]. **PAIL-4** [GW78]. **Paper** [Wir65a, LD74, Woo94].

**paperback** [Ano87c, Atk82b, Bis82, Bis84, Bow88, Fin77, Wal89]. **papers**

[Ano93, BBZ01]. **Paradigm** [Wir96f].

**Parallel** [AP84, Bri96f, Bri96d, Bri02d, Bri94a, KS80, Wir66b]. **parameter** [Ran86, Ran87a, RWZ87].

**parameter-dependent** [Ran86, Ran87a, RWZ87]. **parameter-free** [Ran86, Ran87a, RWZ87]. **Parameters** [Sha86b]. **parametric** [HE82]. **Parsers**

[Amm78a]. **Parsing** [Spe83]. **Part** [Fou91, Lüt21, Ran86, TWB11a, TWB11b, TWB11c, WW66a, ISO88, ISO96, ISO98a, ISO98b, WW66b, WW66c]. **Partial** [Fre95, Mey99]. **partners** [Szy00].

## **PASCAL**

[Amm75, JF87, Ran87a, AI83, Ano86b, Ano86c, Ano86d, Ano86a, Ano87a, Ano87b, Ano88, Hay80, ISO90a, JW85, Led84, Ten85, AC90, Amm75, Amm76, Amm77, Ano18, Bal76, Bar78, BD76, Col84, CGZ76, Eur85,

Fei74, Geo74, GLN76, Haá82, HE82, HW72, Hoa74, JF87, JW74a, JW75, KS89, LP83, MS83, NW78, Nel79, NAJN74, NAJN76, Ran86, RWZ87, Ran87b, Shi92, Tsi82, WQ72, Wir70b, Wir70c, Wir71a, Wir72a, Wir72f, Wir72g, Wir73b, Wir75f, Wir75g, Wir75d, Wir75c, Wir76a, Wir76e, Wir80c, Ano80, Ame83, ABBH<sup>+</sup>79, Alp79, ADDM84, Ano85, Pfi04, Ano06a, Ano06b, Ano21, AP84, Arm88, Atk79c, AN81, Atk82a, BS84, Ber78, Bis79c, Bis79d, Bow77, BFV84, Bri75a, Bri75b, Bri75c, Bri76a, Bri93, Bri96a, Bri96b, Bri96c, Bri96e, Bri01b, Bri02b].

## **Pascal**

[Bri02c, BWA82, BO83, Car85, Cha24, CC87, CD84, CK81, CGHP79, CH79, Com79, CW82, Com83, CL82, CMH85, CRT80, Des73, DS86, DSW82, EF88, Emr21, EMR91, Eva84, Fes24, FG82a, FG84a, FG84b, FM86, Fou75, Fre81, GAK86a, GAK86b, Ger82, GKLM79, Gru24, Hab73, Hab84, HL76, Har90, HM82, Hit79, HW73, HT86, Hur80, IAJ83, IEE83, ISO82, ISO88, ISO90b, ISO91, Jen73, JW74b, JW81, JW85, JWM91, JW91, JCL85, JM84, Jos79, Jos80, Kae95, KE85, KP81, Ker81, Ker84, Ker82, KS84, KS80, Kru82, LF82, LD74, Lec74, LD75, LD84, LHN79, Lid76, Liu86, LS79, Mac79, MTT81, MTT83, MS90, Mar79, Mar75, Mar84, Mat84, MHT96, Mat80, McC83, MS84, Mey99, Moh77, Mul84, Nag76, NW84, NAJN81, ORT81].

**Pascal** [Old84, OW83, Par85, PD02, PV84, PD81, Pfi01, Pos24, Pro24, Qua24, Rav82, Ree91, RW92, RW94, Ric74, Rob83, RD85, RD86, RS76, Sal79b, Sal79c, Sal79a, Sal81, Sch80, Sch89a, Sha86b, SFIK80, Shr78, Shr79b, Shr79a, SMB83, SM79, SM81, SG82, SDK06, Ten78, Tes85, VN24, WC81, Wal86, WSH77, Wel78, WB79, WH86, WB85a, WB85b, WC83, Wic84, Wil80, Wir71d, Wir72e, Wir72b, Wir73a, Wir74c, Wir75a, Wir78b, Wir79a, Wir80a, Wir81c, Wir84b, Wir93a, Wir93b, Wir95b, Wir96b, Wir99a, Wir01c, Wir02e, Wir02c, Wir21, Yip84,

You81, Ano79, Atk79a, Atk82b, Atk83, Bar77, Bis79a, Bis79b, Bis81, Bis84, Fin77, HW74, Ree84, Atk79b, Bis82, Rob82]. **Pascal-Again** [Sal79b]. **Pascal-Benutzerhandbuch** [JWM91]. **PASCAL-Compiler** [GLN76]. **PASCAL-Compilers** [Amm75]. **Pascal-like** [Arm88, Mey99, Old84]. **Pascal-P** [CRT80, Hur80]. **Pascal-Plus** [KS84, WB79]. **PASCAL-program** [KS89]. **Pascal-Programmen** [EMR91]. **PASCAL-S** [Wir75c, Wir80c, Wir81c]. **Pascal-Version** [Wir95b, Wir99a]. **PASCAL-XSC** [Shi92]. **Pascal/Modula** [Ano88]. **Pascal/Modula-2** [Ano88]. **Pascal/P** [Hit79]. **Pascal/P-Code** [Hit79]. **pass** [Gut87, Wir85e]. **Past** [GALW12]. **Patches** [JM84, Lo85]. **Path** [DS86]. **Pattern** [Liu86]. **Pay** [Fra94a]. **PC** [Det93, Dis93, Sha86a, Ano87b]. **PCFORT** [CCN<sup>+</sup>79]. **PCODE** [CNW80, CCN<sup>+</sup>79]. **PCs** [Ano86a]. **PDP** [BD76, Fei74]. **Pemberton** [Rob82]. **People** [Bös05]. **Perfect** [BH86]. **Performance** [BA88, DSD97, Hur84, PV84, SIRB16]. **Performed** [Coh91, Wir91a, Wir91c]. **Perlman** [Ano79]. **persistence** [Kna97]. **Personal** [Bri96a, GW84, Wir79c, Wir79d, Wir81a, Wir00a, Wir15a, Bri93, Bri96b, Rei84, Wir81b]. **Perspective** [Wir10a, Wir15a, Wir74d]. **Perspectives** [BBZ01, BBP96, Wir91b, Wir00a]. **Peter** [Bis79b]. **philosophy** [KW85]. **Phys** [Ran87a]. **PIC** [Wir05c]. **PICL** [Wir05c, Wir07b]. **pioneer** [Ano24a, Daw24, LM24, PMR00, Pro24]. **Pioneers** [BD01, BD02, BD01, SBE<sup>+</sup>99]. **Pioniere** [SBE<sup>+</sup>99]. **Pitman** [Atk79b, Atk83]. **PL360** [Mal71, Mal72, Wir67c, Wir68b, Wir68d, WWS68]. **place** [Wir08k]. **Planned** [Wir72a]. **PLDs** [Wir96a]. **Plea** [Bös05, Wir95e]. **Plotting** [Ano87a]. **Plus** [KS84, WB79]. **Pocket** [Atk83, Atk83]. **Point** [Dot90, Dun84]. **Pointer** [LS79, Rav82, MHT96]. **pointers** [MHT96]. **Pollution** [DP85]. **Polymorphic** [Lea87]. **polynomial** [Arm88]. **Portability** [FK91, Lou90, NW78, PV84, Wir72d]. **Portable** [BHHM86, Cre90b, Cre91, Fra94b, Pow84a, Pow84b, Sch80, Sch89a, WF84, BB91, Pou95, Cre90a, Shi92]. **Portal** [Sch86, SH89]. **Porting** [DG96, Wir07e]. **Portuguese** [Wir89a]. **position** [Sou90]. **Possible** [Rad94]. **Poster** [Baq99]. **Postlude** [GLN76]. **POW** [MLKK97c]. **power** [Tsi82]. **pp** [Abr74, Ano86b, Ano86c, Ano86d, Ano86a, Ano87a, Ano87b, Ano88]. **practical** [Bis79a]. **Praxis** [Gre86]. **precedence** [IH71, LL70, Wir65d]. **precompiler** [EF88]. **Preemptive** [CBG01]. **Preferred** [LS87]. **Preliminary** [HL76]. **Prentice** [Abr74, Edw77, Ros74, Wal89]. **Prentice-Hall** [Abr74, Edw77, Ros74, Wal89]. **Preparation** [GW84]. **Preprocessor** [Com79]. **Press** [Bis79a, Bis81, Bis84]. **previews** [Pou93]. **PRICE** [Atk83, Ano79, Ano87c, Atk79a, Atk79b, Atk82b, Bar77, Bis79a, Bis79b, Bis82, Bis84, Bow88, Mee87, Ree84, Rob82, Ros74, Wal89, Edw77]. **Primer** [CGZ76, Fin77]. **Principles** [Wir69a]. **Problem** [Bow77, BFV84, Atk79a, Bai88a, Bai88b, Gol87, Par85]. **problem-oriented** [Bai88a, Bai88b]. **Problems** [Cor88, SG82, Ano79, JM84, KS89]. **Procedural** [Sha86b, Wir00a]. **Procedure** [Bri02a, Hei03, Lea87, Tsi82]. **Procedures** [Hei03, Sch89c, SM95, Wir75b, Old84]. **Proceedings** [Ano91, GLL74, USE85, BS03, Gia89, Sof84, BBP96, GW00, LS06, Mos97]. **Process** [BDW88, Hem88, LG87, PS96, Sew84b, Sew88]. **Process-Oriented** [LG87]. **Processes** [MS90]. **Processing** [Ano85, Bri01a, ISO88, IH71, Kru82, Wir66b]. **Processor** [BO83, Wir07d]. **production** [Pom93]. **products** [Pom93]. **Prof** [Ano24b]. **Professor** [Wir76c, Wir77a]. **Program** [BBG<sup>+</sup>81e, BBG<sup>+</sup>81k, Bri76a, Bri78a,

Bri96e, Bri01b, Bri02c, Com79, Hur80, McC83, Wir66b, Wir71b, Wir71c, Wir80a, Wir80c, Wir83b, Wir01b, Wir02d, Bow88, BWA82, Kae95, KPUG93, KS89, Knu90, NW84, Ran86, Ran87a, RWZ87, Ree91].

**Programmable** [Wir08e].

**Programmation** [Sch86]. **Programmen** [EMR91, Wir96c]. **Programmer**

[DNR90, Rei91]. **Programmer-defined** [DNR90]. **Programmiersprachen** [Kor24, MS84].

**Programmieren**

[Wir75h, Wir83d, RW94, Wir72c, Wir85c].

**Programmierens** [Amm75].

**Programmiersprache** [Wir76e, Wir90d].

**Programmiersprachen** [JF87].

**Programmierung** [JF87, Mös93c, Mös98].

**Programming**

[Ame83, Abr74, Amm74, Wir90g, Ano93, Ano18, BST89, BdJ76, BdJ80, BS03, BBG<sup>+</sup>81l, Bri77, Bri94b, Bri96c, Bri96d, Bri02a, Bri02b, Bru87a, Bru87b, DO85, EN74, ER92, Fes24, FG82a, FG82b, FG84a, FH98, Fra97, GALW12, Hab73, Har92, Har94, HH95a, HH95b, HW72, HW73, HW74, ISO82, ISO91, Jor90a, Jor90b, Ker81, Ker84, KW85, KS80, LD75, Lee85, LS06, Lin90, Mal71, Mal72, Mar79, MFMN89, Mös95a, MW91a, Mös93b, Mös93c, MW93, Mös95c, Mös98, MLKK97b, NPJ79, Nik97, Ode00, Pas85, Pet82, Por88b, Pow84c, Pri10, RW92, SIRB16, SMB83, SM81, Tag88, Tem94, Tyl124, Wir65e, Wir66c, Wir67d, Wir68b, Wir68d, Wir70b, Wir70c, Wir71d, Wir72f, Wir72g, Wir72b, Wir72c, Wir73b, Wir73c, Wir75f, Wir75g, Wir76c, Wir77b, Wir77c, Wir77d].

**Programming** [Wir77e, Wir77i, Wir79b, Wir82, Wir83c, Wir83d, Wir84f, Wir85b, Wir85d, Wir87d, Wir87e, Wir87f, Wir87g, Wir88e, Wir88d, Wir90h, Wir98b, Wir00a, Wir01a, Wir01c, Wir02e, Wir03a, Wir04b, Wir05c, Wir07a, Wir08j, Wir15c, Wir16, Woo94, AI83, AC90, Amm75, Ano79, Ano86c, Atk82b, Atk83, Bai88a, Bai88b, BG88, BG96, Bri75a, Bri75b, Eur85, Emr21,

Eva84, FG84b, GW00, Hab84, Hoa74, IAJ83, IEE83, JF87, KS89, Lal91, Lec73, LD74, Lec74, LD84, Mös91, Mos97, Nel91, Pir19, PS94, Rei84, Rib90, Ros74, SH89, Shi92, Sou90, SOM94, Wir67b, Wir72a, Wir74b, Wir74d, Wir75a, Wir75h, Wir76e, Wir84b, Wir87b, Wir87c, Wir90a, Wir90f, Wir90d, Wir99c, Wir00b, ISO90b, ISO96, ISO98a, ISO98b, Käs83, RW94, Wir85c, Wir04b, Ano86b, Atk79b, Bis82, Bis79b, Bis81].

**Programs** [CC87, CH79, Fer95a, Fer95b, FW65a, FW65b, Mar75, RD85, RD86, SFIK80, SDK06, SM95, Wir74a, Wir76d, Wir79a, Wir80a, Wir96c, Wir98d, You81, ADDM84, Arm88, CL82, EMR91, LF82, Old84, Ran86, Ran87a, RWZ87, Ran87b, Ste98, Wir98c, Edw77]. **Project**

[Wal86, WG92]. **Projects**

[Fel86b, Fel86c, Wir00c]. **PROLOG**

[JF87, JF87, Mul86]. **proof** [Knu90].

**Properties** [RD85, RD86]. **property**

[Arm88]. **Proposal**

[Gut97, Krá66, Tho92a, Tho92b, Wir64a, Wir65f, HW66, Wir65c, vdLN65]. **Proposed**

[BBG<sup>+</sup>81l]. **Pros** [Bat91]. **Protecting**

[Tor87b, Wie86]. **Proving** [RD85, RD86].

**PRTDS** [WB85a]. **PSE** [Tay90]. **PSI**

[BBZ01]. **PT** [MS83]. **Publication**

[Ano85, Bri96f, Bri02d, Bis79d].

**Publications** [Bow88]. **Publishers** [Fin77].

**purpose** [Mac79].

**Quality** [Dot90]. **Quasi** [KS80].

**Quasi-parallel** [KS80]. **Queens** [Gol87].

**R** [Ano86d, Ano86a, Bis79a, Fin77, Rei84].

**R1990** [AC90]. **R65** [Wir65b]. **R65-24**

[Wir65b]. **Racehorses** [Dot90]. **Racing**

[Fel86b, Fel86c]. **RADICAL**

[Ran87a, Ran86, Ran86]. **radically** [Pou93].

**Range** [Wel78]. **rapid** [Ano86a]. **Raster**

[Wir90e]. **Read** [Wir75b]. **Real** [BDW88,

Wir77b, Wir77c, Wir77d, Wir77e, Wir77i, Wir01a, Bud85, Dub85, Tem00, HL76].



**Real-Time**

[BDW88, Wir77b, Wir77c, Wir77d, Wir77e, Wir77i, Wir01a, Bud85, Dub85, HL76].

**Really** [Gut97]. **Realm** [Nik97].

**Recollections** [Wir93a, Wir93b, Wir96b].

**Recommended** [SM79]. **Record**

[LS79, Wir87a]. **Recovery**

[Amm78a, Shr78, Shr79b, Shr79a].

**Recursive** [Amm78a]. **Redefined** [FK91].

**redesignation** [AC90]. **Reference**

[BBG<sup>+</sup>81l, Sit72, Wir80a, Fra90b].

**references** [MHT96]. **Refinement**

[Wir71b, Wir71c, Wir83b, Wir01b, Wir02d].

**Reflection** [MS99a, MS99b].

**regelbasierter** [JF87]. **relation** [Dij00].

**relations** [IH71]. **release** [Gut90].

**Remarks** [Hay80, Ano80]. **Remembering**

[Pos24, VN24]. **Remote** [Bri02a, Gut97].

**Reply** [LD74, Wir65c, Wir91a, Wir91c].

**Report**

[Ano06b, JW74b, JW75, JW85, JW91, Tes85, Wir65f, Wir72g, Wir73b, JW74a, Wir76e].

**Representation** [Bis84, BBG<sup>+</sup>81m].

**Reprint** [Wir83b, Wir02d, Wir02e].

**Reproducible** [Bri78b]. **Reserved**

[Sal79c, ST86]. **Response**

[Fel86a, Gol85, Wir78c]. **Results**

[HH95a, HH95b]. **retrospect** [Knu00].

**Revelation** [Fre95]. **Revidierter** [Wir76e].

**Review** [Abr74, Ano79, Ano86b, Ano86c,

Ano86d, Ano86a, Ano87a, Ano87b, Ano87c,

Ano88, Atk79a, Atk79b, Atk82b, Atk83,

Bar77, Bis79a, Bis79b, Bis81, Bis82, Bis84,

Bow88, Edw77, Fin77, Mee87, Ree84, Rob82,

Ros74, Wal89, Käs83, Por88a, Ano87b].

**reviewed** [And84]. **Revised**

[Mal71, Mal72, Wir72g, Wir73b, Wir18,

BBZ01, Pir19, Wir76e, Wir08d]. **Revision**

[AC90]. **Revisited** [Sav87, Wir78c].

**Richard** [Ano87c]. **RIP** [Fes24, Pro24].

**RISC** [Wir10c, Wir15b, Wir17a].

**RISC-Architecture** [Wir17a]. **rivals**

[Szy00]. **Road** [Wir02a, Wir02b]. **Robot**

[KS84]. **Rohl** [Bis81]. **Rome** [Gia89]. **RPC**

[ER92]. **rule** [JF87]. **rule-based** [JF87].

**Rules** [BBG<sup>+</sup>81q]. **Run**

[Amm78a, WB85a, WB85b, LF82].

**Run-Time**

[Amm78a, WB85a, WB85b, LF82].

**Runtime** [Som06]. **Russia** [BBZ01, BBP96].

**S** [Ano79, Ano86b, Ano86a, Ano87b, Ano87c,

Bis81, Bis84, Rob82, Tyl24, Wir75c, Wir80c,

Wir81c]. **SA** [Wir98b]. **SAC-2** [Kre89].

**Safe** [Har92]. **Safely** [Hei03]. **Salt** [Sof84].

**Salute** [FvGGM90]. **SAM2S** [WF84].

**Sather** [SOM94]. **Savage** [Dun84]. **saw**

[Lüt21]. **Scalars** [Atk79c]. **scene** [Woo94].

**Scheduling** [Hem88, Sch89c, Sew88].

**Schneider** [Ano79]. **School**

[Wil80, BS76, Bös00]. **Science**

[Bis79b, Gru24, MS87, Pri10, Sev12, Wir95a,

Wir02a, Wir02b, Wir10a, Daw24, PMR00,

SBE<sup>+</sup>99, Wir91b]. **Scientific**

[Bow88, Bri96f, Bri02d, Mös95a, Shi92].

**Scope** [And86]. **Scratch** [Wir89b]. **Script**

[Som06]. **sd&m** [BD01]. **Seamless** [Zel97].

**Search** [Bri96d]. **Second**

[MS87, Ano91, BBP96]. **Selected** [Wir13].

**Self** [Gut97]. **Self-Active** [Gut97].

**Semantically** [BS84]. **Semantically-based**

[BS84]. **Semantics** [Hof00, Zam96, BH95].

**Semaphores** [Bri02a, Wir78c]. **Sensitive**

[Rob83]. **sentence** [MS83]. **Separate**

[Fos86, Gut86]. **September**

[Ano87a, Ano91, GLL74, GW00, LS06].

**September/October** [Ano87a]. **Sequence**

[Sal79a]. **Sequential** [Shr78]. **Serendipity**

[Jen00]. **Series** [Bal76, Bis79b, WQ72].

**Services** [Zel97]. **Session** [Baq99, Ano93].

**set** [Coo89, Wir07f]. **Seven** [And84, JM84].

**Several** [BdJ76, BdJ80]. **sharing**

[GKLM79]. **Shell** [DS84]. **Shelley** [Atk83].

**shop** [LP83]. **Should** [Fra94a]. **Sicht**

[Wir74d]. **SIGMA** [Des73]. **Signals**

[Wir78c]. **Silver** [KV15]. **Simple** [Fer95a,

Fer95b, Hop80, Lo85, Rad94, Knu90, LP83].

**Simplicity** [Bri96d, Bös00, Geh00].

**Simulation** [KS80, LG87, MS90, Mar84, Haá82, RL01, Sal92]. **Single** [CRT80, Wir85e]. **Single-accumulator** [CRT80]. **single-pass** [Wir85e]. **Slave** [BK87]. **slicing** [Ste98]. **Slim** [FK97]. **Small** [BW71, GKLM79]. **Smaller** [Rad94]. **SNOBOL4** [Liu86]. **Software** [Ano87c, Bri95a, Bri95b, BD01, BD02, Day12, DP85, Fra94b, Gut94, KP81, Kre89, Mar96, Mul86, ORT81, Pom85, Pom93, PS94, Pro24, Ros24, Sof84, Saw96, WS84, Wir72d, Wir81a, Wir94a, Wir95e, Wir08b, Wir08c, Sew87, VN24, Wir81b, Wir03b, Pom93, Wir94a, Ano86d]. **Software-Explosion** [Wir94a]. **Softwareprodukten** [Pom93]. **Softwaretechnik** [Pom85]. **Solaris** [War03]. **Solo** [Bri76a, Bri76b, Bri96e, Bri01b, Bri02c]. **Solution** [SG82]. **Solutions** [JM84, KS84]. **Solving** [Bow77, Gol87, Ano79, Atk79a, BFV84]. **Some** [Ano80, Gol85, HH95a, HH95b, HKMN93, Jos80, Liu86, Mof84, NPJ79, SS85, vdLN65]. **Sorting** [Wie84]. **Sorts** [Fel86b, Fel86c]. **Source** [Hur84]. **Soviet** [Wir67e]. **Spanish** [Wir90c, Wir92]. **SPARC** [Tem90]. **SPARC-Oberon** [Tem90]. **Spatial** [Sch00a]. **Special** [Mac79, Ano93]. **Special-purpose** [Mac79]. **Specification** [Eur85, EO80, HL76, ISO82, KP97b, KV15]. **Specifications** [BBG<sup>+</sup>81m, Par85]. **SPLIT** [RWZ87]. **sprachlichen** [JF87]. **Spreadsheet** [Kom98]. **Springer** [Atk79a, Mee87]. **Springer-Verlag** [Mee87]. **Stages** [Wal86]. **Stand** [FF00]. **Stand-Alone** [FF00]. **Standard** [AI83, BBG<sup>+</sup>81l, IEE83, JW91, PS96, SP96, IAJ83, JW81, Mar84, AC90, IAJ83, IEE83, JW85, Led84, WH86, Woo93]. **Standardization** [Kin89]. **Standardized** [PSSW97]. **Standards** [Ano85, Woo94, Ten85]. **Stanford** [Alp79]. **State** [Atk79c, Por88a, Wir08e, Atk82a]. **statement** [HM82]. **Statements** [BBG<sup>+</sup>81n, Sal81, Atk82a]. **States** [BBG<sup>+</sup>81l]. **static** [BWA82, LN98]. **Statistical** [Saw96]. **Steps** [RW92]. **Stepwise** [Wir71b, Wir71c, Wir83b, Wir01b, Wir02d, KM95]. **still** [Wir08a]. **Storage** [Amm78a]. **stories** [SBE<sup>+</sup>99]. **strange** [Gut00a]. **Stress** [Pro92]. **String** [Liu86, Wir64a, Wir65c, vdLN65]. **string-handling** [Wir65c, vdLN65]. **Strings** [Bis79c, Sal79b, Sal79a]. **strive** [Wir08k]. **Structure** [BBG<sup>+</sup>81k, Hur80, You81]. **Structured** [Amm74, Lec74, Por88b, Wir74a, Amm75, Bri94a, Lec73, Sch00a]. **Structured-Universe** [Sch00a]. **Structures** [Edw77, Fel88, FM86, Sch00a, SW86, SW87, WS85, Wir75e, Wir76d, Wir83a, Wir84d, Wir84e, Wir86a, Wir86b, Wir89a, Wir92, Wir95b, Wir96c, Wir99a, Wir04a, BWA82, Wir66b, Wal89]. **Structuring** [Wir79b]. **Strukturierten** [Amm75]. **Student** [SIRB16]. **Students** [Wir95a]. **Studie** [JF87]. **Study** [DS86, Gut00b, Hop80, Ree00, Ano86a, JF87, LF82]. **Style** [LHN79]. **Styles** [Wir08j]. **Stylish** [Mas98]. **Stylistics** [Sal79c]. **subjective** [Mat84]. **Subprograms** [BBG<sup>+</sup>81o]. **Subset** [Wir75c, Wir81c, MS83]. **subtle** [JM84]. **Successor** [HW66, Wir65f, RL01]. **Successors** [Wir02c]. **Suitability** [BK87, JF87]. **Suitable** [Mil89]. **Suite** [KC90, CD84]. **Summary** [Wir00c, Wir67e]. **Summer** [Sof84, BS76]. **sums** [RWZ87]. **SUPERMAC** [BO83]. **SuperPascal** [Bri94a, Bri94b, Bri95a, Bri95b, Bri96f, Bri02d]. **support** [BG88]. **supporting** [Lal91, Ter86]. **Surveyor** [FG82b, Pet82]. **Swinging** [KPUG93]. **Switzerland** [GLL74, GW00]. **Symbol** [Gut86]. **Symbolic** [Gia89, KE85]. **symbols** [IH71]. **Symposium** [EN74, Gia89, GLL74]. **synchronization** [BBS97]. **SYNCRO** [DS84]. **Syntactic** [HLW63, Mar14, Wil82, Wir77k]. **SYNTAX**

[Mar14]. **SYNTAX-Technology** [Mar14]. **Syntaxes** [Woo86]. **Synthesis** [WC81]. **System** [Ano93, Anoxxb, AN81, BHHM86, BBZ01, BBP96, Bri76a, Bri76b, Bri96e, Bri01b, Bri02c, CDJ<sup>+</sup>89, CC87, DO85, DP85, FH98, Fra93, GW84, Gut90, Gut94, Hir83, LS94, Mar94, Pas85, Pou95, Pow84c, Rob83, Som06, Web67, WB85a, Wir67c, WWS68, Wir79b, WG8, Wir89b, WG89, WG92, Wir98b, Wir08h, Wir10b, WF84, Zel97, Ano86b, BCFT92, BCFT95, Haá82, KV15, Kru82, Mös94, NW84, Sew87, Shi92, Szy91, SOM94, Wir88c, Wir88a, WGH<sup>+</sup>92, Wir98a, Wir99b, Yip84, DG96, ISO88, Kna97, KP97a, Rei91, Wir74d, Wir95d]. **System/360** [Web67]. **Systematic** [Wir73c, Abr74, Wir72c, Wir75h, Wir83d, Ros74]. **Systematisches** [Wir72c, Wir75h, Wir83d]. **Systeme** [War03, JF87]. **Systemprogramming** [Wir74d]. **Systems** [BST89, Bri01a, Bru86a, Bru86b, CBG01, ER92, Fel86b, Fel86c, Mar96, Nel91, PS94, Rov86, Wir73a, Wir01a, Ano87b, Bud85, GKLM79, ISO88, JF87, Nie88, Pou93, Sch00b].

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