

# A Bibliography of Publications about the *Fortran* Programming Language: Part 2: 1981–1989

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## Title word cross-reference [YK88].

# [Hof87].

( $a, a'$ ) [SR84a, SR84a]. ( $a, b$ )  
[SMD84, SR84a]. ( $a, b\gamma$ ) [SMD84, SR84a].  
( $a, b\gamma - \gamma$ ) [SMD84, SR84a]. ( $a, \gamma$ ) [SR84a].  
( $a, \gamma - \gamma$ ) [SR84a]. ( $r_\infty, n_{1/2}, s_{1/2}$ ) [Hoc85].  
( $r_\infty, n_{1/2}$ ) [Tem89a]. 2 [Zak84]. 3 [Zak84]. 9  
[RRC89].  $^{-1}$  [KW87b].  $^2\Sigma$  [Nai84, Nai86].  
 $\mathbf{Ax} = \mathbf{b}$  [BS81a, BS81b, BS81c].  $F$  [YK88].  
 $f(x)$  [Gaf83b, Gaf83c, Gaf83a].  $H_p$   
[SSS84a, SSS84b, SSS84c].  $\mathbf{Ki}_n(x)$  [Amo83a].  
 $\int_0^1 t^{-1} \log^{n-1} t \log^p(1-t) dt$  [Köl82].  $j$   
[RRC89].  $J_n(x)$  [Col84b].  $L_1$  [Abd80].  $\mathbf{Q}$   
[Gra86a].  $\text{dif}^{-1}$  [KW87a].  $r \times c$   
[MP86a, MP86c, MP86b].  $SU(3)$  [AD84].  $t$

-carotene [Wyl86]. -estimators [KW87a].  
**/370** [Ehi82].  
**1** [Ber82a, Cra83, EH81, Ess88, Fog85,  
Fog87, Fog88, Pet83, Res86, hTD88, Tem89a,  
Tem89b, WSL88]. **1-port** [hTDT88]. **1-VX**  
[Ess88]. **1.0B** [Zho89]. **1/2** [SDH84]. **10**  
[BK88]. **10/** [Dig83, Dig85a]. **100/200**  
[MMM85]. **10R1** [Spe82]. **11** [AEL<sup>+</sup>86,  
Cla89, CP84, Cli84, Dig82a, Dig82b, Dig82d,  
Dig82c, Dig82e, Dig82f, Dig84e, Dig88a,  
hHtM81, Hue83, Mic83, Sul88, Wie82]. **11/**  
[sT85]. **115** [CL83]. **117** [WH87]. **11R1**  
[Spe85]. **11th** [VV86]. **128K** [Mic84f]. **16**  
[hH82, Sho85]. **16-Bit-Rechnern** [Kal85a].

- 164** [Tou84]. **165** [Stu81a]. **16BST** [Kaw84].  
**172** [OM82]. **192** [Joh83]. **1978**  
[AC87, Com89, RH84b]. **1980** [Bis81].  
**1981-01** [IEC81]. **1982** [Jap82, Mor82].  
**1985** [Ame85d]. **1985-12** [IEC85]. **1988**  
[Wri89]. **1988-12** [IEC88]. **1989** [Com89].  
**198O** [Fri84]. **198X**  
[AC87, Com89, Ame87b]. **1a** [Cha86a].
- 2** [AGS88, Ano87a, AS89a, AS89b, Bai87,  
Ber88b, Cal86, HV83, Int88c, LtW88,  
LCH<sup>+</sup>88, SS88]. **2-CPU** [Hoc85]. **20.00**  
[Wil87b]. **200** [BK88, MMM85, VH87]. **205**  
[BK88, LtW88, LW88b, Riz85, sT85, VSH83].  
**25th** [AW82]. **2B** [KGRY81]. **2C**  
[GKRY82, KRYG82b, KRYG82c, KRYG82a,  
KRYG82d]. **2E** [CM81a]. **2nd**  
[HF81, RWA84, Rod84].
- 3** [Gre88, MS84b, Sch84c, Sch84d, Sch84e,  
Sch84b]. **3-D** [Kli89]. **3000**  
[Wie86a, Wie86b]. **3090**  
[AC86, ALPC88, Car88b, GSZ88, RV89].  
**3090/VF** [ALPC88]. **32** [Cro87a]. **32k**  
[Kal85a]. **360** [Int83c]. **370**  
[ACG<sup>+</sup>86, Chi85b, Chi86a, Int83c]. **370-III**  
[Int85b]. **3A** [Con81b]. **3d** [RWA84, Rod84].  
**3L** [Cul88]. **3rd** [APD86].
- 4** [Hei83]. **4-circle** [Tho84e]. **4.1M** [Dig85b].  
**40** [WSL88].
- 5726** [Int83b]. **5726-FO1** [Int83b]. **590**  
[Van82]. **5th** [IEE81].
- 6** [Hon81b, SM84, SK83]. **6/VM** [Hew85].  
**60** [Fog85, Fog87, Fog88, Res86]. **6000/B**  
[Bur81b]. **646** [Cra86a]. **65-110** [Ass83b].  
**654** [DM87b]. **658** [LK88]. **66** [BP81b]. **664**  
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- '77** [KK89b, LHP87, LH87, PDA83a,  
PDA86, Wat82a, Wat82b, AM81, AS88b,  
AG87c, A<sup>+</sup>81, AHH89, BS88a, Bee81,
- Bee85b, BS86a, Bez88, Boi84, Boi87, Bor85b,  
Bor85a, Boy89b, BGG85a, Bru86, Bur87,  
Chu88, Col83, DH88a, DH88b, DKG89a,  
Edg89b, EE84, Ell83, Ett84a, Fen87b,  
Fen87a, FGGF86, Fuo86b, Fuo86c, Fuo86a,  
GY82, Gro83, Hah87, HRC87, HB83, HH85,  
Wor84a, Kat82, KL83a, KL83b, KL85a,  
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Lam81, Lam86, Lan88, Law83, Leh86,  
Leh83a, Mar83a, Mar83b, Mas83, Mas87,  
McC84a, MS88c, McK85b, Mei84, Met85a,  
Mey84, Mic84e, Mic84f, Mil87a, MA89,  
Mon82c, Mon89b, Mos88, Nan81b, Nic85b,  
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Rul83b, SM88b, Sch87c, See81b, Smi85e,  
Sne88, Wor84b]. **77**  
[Weh85, Wor88, Wor89a, Wu83, Edm86,  
McC84c, MS88b, Nad86, RB82].  
**77-beginning** [YS84c, YS84d, Mic84f].  
**77-Beginning/Book** [Mic84f].  
**77-Programmen** [Mey84, NEM84].  
**77/SFTRAN3** [Bee81].
- 8** [WSL88]. **8.25** [Edm86]. **8.95** [Cou85a].  
**80** [Bel84, EML88, McN83]. **8088-based**  
[Sho85]. **'82** [AW82, ACM82]. **820/80**  
[EML88]. **'84** [ACM84, Van84a]. **86** [Int85a].  
**8651-1** [IEC88, ISO88]. **'87**  
[Dav89, ACM87, Wex87]. **'88**  
[Gia89, IEE88a, IEE88b, ML88]. **'89**  
[ACM89a, ACM89b, Gon89, Voe89]. **8x**  
[BBB<sup>+</sup>83, Smi83b, X3J89, AR87, Ber85b,  
Com89, Cha87a, Dol88, Edg89a, Edg89b,  
Ful87, Ame89b, Lah87a, Mei87, Mei88,  
Mei89a, Met87a, MR89, Miy87, RW85,  
Rei87a, Rei89a, Rei89b, Smi85a, ANS89,  
AKLS88, BBG<sup>+</sup>82, BBG<sup>+</sup>84, Bur86a,  
LCH<sup>+</sup>88, MR87, MR88, Ros87, Smi83c,  
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Ull86].
- 9./10** [Wös82]. **9.95** [Cou85b, Nad86].

= [hC83, KS81c, sKcH81, MF84].

**A-series** [Bur85b]. **A.G.A.** [RH84b]. **A.N.S.I.** [Lav83]. **A1** [Bre78b, Bre79]. **abend** [Bin85]. **above** [Dun88b]. **abridgement** [Miy87]. **absorption** [ZGS89]. **abstract** [BCF<sup>+</sup>88]. **Abstraction** [Isn82, MMS88]. **abstractions** [Sus86]. **Academic** [Wil87b]. **academy** [JBT83]. **Accelerated** [GKRY82, KGRY81, KRYG82b, KRYG82c, KRYG82a, KRYG82d]. **Accelerator** [AB89, GKKY89]. **Access** [BRK<sup>+</sup>87a, BRK<sup>+</sup>87b, BRK<sup>+</sup>88, BDS88b, BDS88a, KW89, Sch88a, BK89, BDS88c]. **accessible** [Pay84a, Pay84b]. **Accessing** [Hay86]. **Accompany** [CM84b, APD86, BW84, BW87b, BGG85b, CM81a, DH82, DP84c, Ett83a, Gri85, HB81, JSW85b, MSR87, McC84c, MS88b, Moo82a, Nic85c, PDA83b, RZ89b, RWA84, Rod84, WAD81, Wei86a, WB85]. **According** [BBB<sup>+</sup>83, Vu 89]. **Accuracy** [Don82a, Don82b, JW86]. **acid** [LB86]. **ACM** [Gon89, POP82, Van84a, Wex81, Ham85, HM90, RH84a]. **ACM-SIGSAM** [Gon89, ACM89a]. **ACRITH** [BRK<sup>+</sup>87a, BRK<sup>+</sup>87b, BRK<sup>+</sup>88, JW86, KW89]. **Across** [BSP83]. **activation** [YHKM89]. **Activities** [Noh84]. **ADA** [Bro89d, Gra88, Rel89c, Rel89a, Wil87a, Boo81, Bro89a, Bro89b, Bro89c, DAG<sup>+</sup>88, DM89a, FSO89, Lev89, Mor81a, PBB<sup>+</sup>88, Rud83, Sch82a, SW83, Whi81a, Whi81b]. **Adam** [La 87]. **adapt** [Jac85b, Jac85a]. **adaptation** [MW84a, MW84b, TMjC81, Tew81]. **adapted** [Kir89]. **Adapting** [Gro87]. **Adaptive** [Ash85a, GKRY82, KGRY81, KRYG82b, KRYG82c, KRYG82a, KRYG82d, Ash85b, Ash85c]. **Adding** [MMS88, Owe86]. **Addison** [Cou85a, Rid82a]. **Addison-Wesley** [Cou85a, Rid82a]. **Addressing** [DD86, Hol87a, Hol87b].

**adjustments** [Don83c]. **administrator** [YS84a, YS84c]. **adolescents** [BS86b]. **ADS** [Van84c, Van85]. **Advanced** [Edg89a, Edg89b, LOU86, PW86, BS88c, DSCP88, Int86c, IBM89b, Mic89b]. **Adventures** [JBT83]. **aerial** [LZ82]. **aerodynamics** [Dun85a]. **aeromagnetic** [Gra86b]. **AFNOR** [Ass83b]. **AFOS** [Mac81]. **after** [AS89a, AS89b]. **Afterword** [Bac84a]. **Aftran** [CRV<sup>+</sup>89, Vag89]. **age** [Mar81]. **agricultural** [Don83c]. **AHEAD** [AEV89, dEV89]. **AI** [Ano85a]. **Aid** [BDS88b, BDS88a, CSD83, DBFK89, BDS88c, BDS89, KK89b]. **Aided** [Rao86a, Rao86b]. **air** [Wal85]. **aircraft** [ADP88, DPA87, EIT85, Kip82]. **airfoil** [DS82, kK89c]. **airfoils** [HL82a]. **Airy** [SJB83a, SJB83b]. **AIRYROOT** [SJB83a, SJB83b]. **AIX** [Int88c, Int88a, Int88c, IBM89b]. **al** [CS84, CM89, FK84, HRH81, HRC89, aHH83, McC85c]. **al-barmajah** [aHH83, McC85c]. **al-Fortran** [McC85c]. **al-Musaid** [aHH83]. **Alamos** [ZDS81a]. **Algebra** [Ber87, BD89, Dav89, DG82, Dod83, Don83a, DDHH84, DCHH87, DCHH88a, DCHH88b, DCHH88c, HK87a, HK87b, LHKK79a, LHKK79b, LN88b, LN88a, Pra89, DDDG89, DCHH85, LN87, Pra89]. **Algebraic** [ACM89a, GKKY89, Gia89, Gon89]. **Algebraic-Numeric** [GKKY89]. **Algol** [Baj81, Fog85, Fog87, Fog88, Osi82a, Res86, Sch82a, Smi81, Smi83a, DM85, Osi82b, SMD84]. **ALGOL-60** [Fog85, Fog87, Fog88, Res86]. **Algorithm** [Abd80, Amo83a, Amo83b, Ash85a, AFS94, Ban78, BS81a, BS81b, BA85b, BA85c, Bre78b, Buc81a, Buc81b, Cas89a, CY89, CHPS85, Cod88, CGM84b, CGM85b, DFK83a, DM89a, Don82a, Don82b, DE84, DCHH88a, Dur80, EK87b, Gaf83b, Gaf83c, GGLM88, GKRY82, HK87a, HPB84, Hig88b, HMR85a, HMR85b, IZP81, JBJ84, Kah80,

KRYG82b, KRYG82c, LHKK79a, LN88b, MP86a, MP86c, MC80, MGH81b, RH84a, Sau83b, Sau83c, Sch88a, She78, SSS84a, SSS84b, Sim76, Ste76, Stu81a, SS79, VVV89b, Wil83, Zak84, Ash85b, Ash85c, Bai87, BHK<sup>+</sup>85, Dun87b, FS86a, Gen82, IA89, Kem87, Lec89, LtW88, LN87, McD89, Min88, PC89, PW84, Son83, The88, Tod85, Wit81, Bre79, Buc82, CL83, Cra86a, DM87b, DFK88, DG82, Dod83, FW82, Fut78, GL90, Ham85, HK87a, HK87b, Hig89, Hig91, HM90, LK88]. **Algorithm** [LN88b, LN88a, OM82, PCK84, Sch88a, Sim76, Ste79, Stu81a, Van82, WH87]. **Algorithmen** [San82]. **Algorithms** [Ana87, Cal86, DM85, Don83a, DBFK89, Gea86b, Gea86a, Ham85, HM90, JGD87, Lau86, Leh86, OM82, RH84a, Stu81a, Car89a, Car88b, vC87, FJS85, GQ88, Hil82a, Hil82b, Joh86, Jor86, MMM85, RS87, Swa84, TMS88a, TMS88b, Wee86]. **Aliasing** [Ana87]. **Alliant** [Cod86a, WSL88]. **Allocation** [Gol84, BCKT89, Dob85]. **Almost** [DFK83a, DFK83b, DFK88, DFK81]. **along** [EIT85]. **alpha** [SDH84]. **Alternate** [CM81a, DFK83a, DFK83b, DFK88, Wil84, DFK81, Ful87]. **alternative** [Tay84]. **Alternatives** [MB81]. **Amdahl** [CB82]. **amelioration** [Gra88]. **American** [Com89, DH82, DH83, DH84a]. **amounts** [McK83]. **analitik** [Osi82a, Osi82b]. **analog** [ZGK88]. **analyse** [O'R81, (?84, Tri84, (?87, Tri89). **analyses** [FMH85]. **Analysing** [HO89, CSC<sup>+</sup>86]. **Analysis** [ACK86a, AL81b, Ban88, BSP83, BDS88b, BDS88a, Chi86a, DAG<sup>+</sup>88, Ell82c, Eve85, Fen87a, FN85, GBJ81, Har89, IA84, KKRK85, LK88, MSA86, OK87, RT85, Spa85b, Spa85a, Tsu85, AI88, ACK86b, ABC<sup>+</sup>88, And89, AL81a, ALPC88, AEL<sup>+</sup>86, AM89b, BZ85, Bli89, BDS88c, CK86a, CB86, CDHP86, CKT85, CK88, DS82, EH81, Ell82d, Fen87b, Fri84, HL82a, Hua82, IMS87a, IMS87d, IMS87l, IMS87m, IMS87k, IMS89a, IMS89f, IMS89g, Lib89c, IMS89m, IMS89n, JT88, Kem87, LB86, LN89, LKM88, Mal85, Mat83a, Mat83b, McD89, Mul88, MT84b, Ngu81, Pay84a, Pay84b, PS84, RS89, She89b, Shi88, Smi87a, Smi87b, Smi88b, Son83, Tan86, Tan88, Tan81a, Tan82, TPR85, Tho82b, Thu86, Wal3, Wan86, WM85a, vM84a, vM84b]. **Analytic** [EW87]. **Analytical** [MHK86, Hue83, KWWK86]. **analytically** [Bar89]. **Analyzer** [Fed82b, Ell81b]. **Analyzing** [DS86b, DS87b, DS86a]. **ancestral** [Vu 89]. **Anecdotes** [Tro84]. **anemometry** [Owe87]. **Angeles** [Wex81]. **angepaßtes** [HS81]. **angles** [The88]. **angular** [CDW82, CDW84, RV84, RRC89, SDH84]. **Ann** [IEE81]. **Anniversary** [AW82]. **Annotated** [Lee84b]. **Annual** [POP82]. **ANSI** [AC87, Ano82a, BP81a, KK89b, Ame85d, Ame87b, Ano89, BP81b, CwL83, Col83, Col87a, Ehi82, Kha81, Law83, NJLB81, mT82b, Wie86a, Wie86b, Wu82a, Wu82b, Wu83]. **Ansprache** [Kna84]. **Answer** [Pag87]. **ANSYS** [HMB<sup>+</sup>88]. **antennas** [Ric82b]. **Antennenfeldern** [Sch84f]. **Anweisungen** [Ano82a, Ehi82]. **anwendungsorientierte** [NEM84]. **AOS** [Dat84, Dat85a, Kir89]. **AOS/VS** [Dat84, Kir89]. **apertures** [Bai89]. **APL** [Ber82a, Chi85b, Chi86a, DO86, Fog85, Fog87, Fog88, Kar87a, Kar87b, Res86, Smi81, Smi83a]. **APL/370** [Chi85b, Chi86a]. **aplicaciones** [Bor89]. **APPLE** [cC84b, BB82, BBuC84, DB82a, Gee86, Gre85, HF81, Kri83, hK85, Pre89, VN89b]. **Application** [Bin85, Int88b, IEC85, Mar84b, Ull85, Ull86, Vor89, Int81a, Int81b, Int81c, Int81d, Int82g, Int82h, Int83d, Int83e, Int83f, Int83g, IBM88, Int88d, She89b, Wyl86, ZGK88, BBB<sup>+</sup>83]. **Applications** [AM89b, Cor88, DR86, Gea86b, Gea86a, Hig88b, Hig88a, Hig89, Hwa84, IBM86, IEE88a, Jur86, Kow85,

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**avoids** [Mei89d]. **awareness** [Owe86]. **axial** [Tho81, Tho82a]. **axially** [Per81]. **azimuthal** [The88].

**B** [NL85a, Bur81b, Bur84a, Con81b, NL85b, PF85, Win85]. **B5000** [Bur84b]. **B6000** [Bur84b]. **B5000/B6000/B7000** [Bur84b]. **B6000** [Bur84b]. **B7000** [Bur84b]. **backward** [Bal84]. **backward-directed** [Bal84]. **balance** [Lam89, Cod86b]. **Balfour** [RB82]. **Ballistics** [Rud83]. **Band** [EL81]. **Banded** [Sch88a]. **bands** [MW84a, MW84b]. **barbara** [SMD84]. **barmajah** [aHH83, McC85c]. **Barrier** [LO85a, LO85b]. **Barron** [LP85a]. **basado** [DH84a]. **Base** [Gre81, Ano81a, BNZ87, Fri84, Rin83]. **Based** [BCM87, Bos88, GGLM88, GL90, Miz83, PP82a, Cal86, Cre89, DH82, DH83, EGP81, Gui88, Hur82, Isn82, KS81b, Kip82, Lee85, PP82b, Roc86, Sho85, Wat82a, Wat82b, ZGK88, KS81a, RMFG85]. **BASIC** [RWA84, Rod84, WAD81, AB83, DDHH84, DCHH87, DCHH88b, DCHH88c, HK87a, HK87b, Kur85, DCHH85, Key81, LN87, Bro81b, CM81a, CM81b, CM84a, CM89, Ell82a, Ell82b, Fog85, Fog87, Fog88, Hua82, Res86, Rat89, Rel89c, Rel89a, Rao81a, Rao83, SS84, TS88, WG84, jYsS89, Ber82a, Bru84, Cas81, CM84b, DG82, Dod83, Don81, DCHH88a, mK84, LHKK79a, LHKK79b, LN88b, LN88a, Rao86a, Rao86b, Wol85, RWA84, Rod84]. **BASIC/FORTRAN** [jYsS89]. **basis** [BHK<sup>+</sup>85, JC82, Hel85b]. **Bayesian** [TSU88]. **Bazisnyj** [Bru82]. **bcc** [DM89b]. **BDMG** [Som86]. **be** [Per81]. **beam** [MT84b, NE81, Tho84a, Tho84c, Tho84e, ZGS89]. **bedload** [Tat87]. **beef** [PMBK82a, PMBK82b]. **Beginner** [Phi87, Phi86]. **Beginners** [Gus84, Lam84, Bal85]. **Beginning** [Wor84a, Wor84b, YS84a, YS84b, YS84c, YS84d]. **Beginning/Book** [Mic84f]. **Begriffe** [Ano82a, Ehi82]. **BEHAVIOR** [VMS81]. **Behavioral** [GGJ<sup>+</sup>89]. **beings** [Bro83b].

**Belady** [Ols83]. **Benchmark** [Don88a, Kaw84, Pri89, RS89]. **Benchmarking** [FSO89, SS88]. **benchmarks** [BW87a, Lan88]. **Bending** [GKY89]. **benefits** [Wic89]. **Benjamin** [Cou85b]. **Benjamin/Cummings** [Cou85b]. **Benutzung** [Kal85a]. **Benutzungsanleitung** [Abs88]. **Berechnung** [Sch84f]. **Bericht** [CLW81, MF84]. **BESM** [SM84, SK83]. **BESM-6** [SM84, SK83]. **Bessel** [Col84b]. **Best** [HYP87, Don83c]. **Bestimmung** [Sch82c]. **Between** [HG82a, Can81, Fun86]. **beweisbare** [Sto84a, Sto84b]. **bi** [McC85c]. **biased** [DZ87, DZ88, Dun88a]. **Bibliography** [Lee84b]. **Bibliothèque** [(??84, Tri84, ??87, Tri89]. **Bickley** [Amo83a]. **Bicubic** [HMR85a, HMR85b]. **big** [KS81b, KS81a, Wag85]. **big-float** [KS81b, KS81a]. **Bildverarbeitung** [NEM84]. **Binder** [Hei83]. **binding** [Ame85a, Gra85, Ame85b]. **bindings** [IEC88, ISO88, Int88q, Int88r]. **biologov** [BKL89]. **biomass** [SC83]. **biomedical** [BR89a]. **biomolecule** [FDL86]. **biostratigraphic** [Hel83]. **birth** [EML88]. **Bit** [Kal85a, Hay86, Rob82]. **bivariate** [Bau88, TSU88, Wal3]. **blade** [Dul81, Red86, Tho81, Tho82a]. **blade-to-blade** [Dul81]. **blades** [HL82a]. **BLAS** [Aha85c, HK87a, HK87b]. **Blending** [Sch83b, Sch83a]. **Bloch** [ZGS89]. **Block** [Cal86, DFK83a, DFK83b, DFK88, DFK81, Joh87b, Joh87c]. **Block-oriented** [Cal86]. **BMDP** [FE82]. **BNDE** [TSU88]. **board** [ZGK88]. **boiling** [Dav86]. **boiling-point** [Dav86]. **Bonniger** [BD80]. **Book** [Bis81, Cou85a, Cou85b, Edm86, Eve85, Mil82b, Nad86, RB82, Rit89, VTPF87, Wil87b, Tha89c, Vet85, VTP89, Mic84f]. **Books** [Rad81, RB82]. **Boston** [Rei89c, Usr82]. **both** [Hua82, Nai86]. **boundaries** [Boy84a]. **boundary** [BMS84, EH81, MH82]. **Bounds** [HL82c].

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**C** [Mil82b, ADH<sup>+</sup>89, AJ88, All90, Bai86, Bro84a, Cul88, Dig85e, Flo89, Fog85, Fog87, Fog88, GMW86, Goo89, Lag85, LS85, McG87a, McG87b, MT84b, Pre88b, Res86, Rel88, Rel89c, Rel89b, Rel89d, Sch89e, Tho86b, WSL88]. **C-1** [WSL88]. **C-to-Fortran** [Flo89]. **C240** [CGMW88]. **C5** [MGH81b]. **C6201** [Jap82]. **CA** [Wri89]. **cables** [Iwa84]. **CADAC** [CHH81, CHH83]. **CAI** [Sul2 ]. **calculate** [Bro85, Bru86, McC86, PB84, SP84b, SP84c, You82]. **calculated** [SG88]. **Calculating** [FW82, Ste76, Bod87, CDW82, CDW84, Dal89, MW84a, MW84b, RO85, RO86, SJB83a, SJB83b, Tho81, Tho82a, YK88]. **Calculation** [EBS88, Sau83b, Sau83c, Sau83a, ISJ85, Kem85, Kie86, Lam89, Nai84, Nai86, Owe87, She89b, Sho85, Tho84b, Tho84c, Uni81a]. **Calculations** [GKY89, Per83a, Bar89, She89b, WP84]. **Calculators** [BL83]. **calc** [Bor89]. **Calculus** [Tha89a, Tha89b, Tha89a, Tha89b]. **calendar** [Jan84]. **CALFLT** [LZ82]. **calibration** [Lam89]. **Calif.** [Wex81]. **Callable** [Uni85a, GC84]. **Calls** [TFI86]. **CAMAC** [IEC81]. **Can** [Mor81a, Ber85b].

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- [Div85]. **DWBA** [PB84]. **dynamic** [BG84, CK86a, Red86, Wat86, Wei84]. **Dynamically** [Cod88]. **Dynamics** [Sme81, GDK89, LR89, Sch89a, SS82, VSH83, Wee86]. **Dynamischer** [Jac82].
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- Element** [Fen87a, Rei84b, Fen87b, Rei84a, Tan86, Wan86]. **Elementary** [ACG<sup>+</sup>86, Aya84, Lin83]. **Elements** [CD84, CL83, Cor81, Cor82c, Doh82, FGGF86, Fuo86b, Fuo86c, Bru86]. **Elimination** [DFK83a, DFK83b, DFK88, She78, DFK81, PW84]. **Ellips** [Ber84a]. **ellipsoid** [Joh81]. **ellipsometer** [Ber84a]. **Elliptic** [Car87, Car88a, Car89b, Ste79, SS79, Ada89, Lio85, dZ86]. **Ellis** [Cou85a]. **els** [Lee84a]. **embedded** [Rel88, Rat89, Rel89a, Rel89b, Rel89d]. **Emergence** [Dav84b, Hei84]. **emerging** [Met87a]. **Empirical** [VD84]. **employing** [Ano87a]. **EMR** [RV8 ]. **EMS** [O'R81]. **end** [Gul86, ZGK88]. **endliche** [NEM84]. **energy** [Kip82, MT84b]. **energy-dispersive** [MT84b]. **Engineering** [BL83, BRK<sup>+</sup>87a, BRK<sup>+</sup>87b, BRK<sup>+</sup>88, Cha87b, Fen87b, Fen87a, KW89, Mar84a, MBP<sup>+</sup>85b, Mos88, Rey80, Sch85b, SAN<sup>+</sup>81, SP84a, BEE<sup>+</sup>85a, Cre89, EP81b, GSZ88, JS88, MSR87, MSM84, MBP<sup>+</sup>85a, Osy84, Sel83, SL82, Sch81b, SB82, SB86, SP85a, SP85b, SR87, Tan88, MS88a]. **Engineering/Scientific** [BRK<sup>+</sup>87b, BRK<sup>+</sup>88, KW89]. **Engineers** [AB83, BS88a, Bor85b, Bor85a, DF89, HH85, Lei87, McC84a, MS88c, Mil87a, Mil88b, NL88, Val85, Wei89a, Wor88, BS88b, Cou85b, DcF89, Ett83a, Ett83b, Ett87, McC84c, MS88b, Mil82a, NL85c, NL85d, RZ89a, RZ89b, Wor89b, Mil87b]. **engines** [RAK88]. **England** [JR89]. **Engr** [Dun85b]. **Enhanced** [Bos88, Cor82a, Cor83, Obl85]. **enhancing** [BK89]. **ensemble** [LB89]. **entire** [FDL86]. **Entwicklung** [Fis82, Ste87]. **Entwurf** [HS81, Mey84]. **enumeration** [Red82]. **envelope** [And84a]. **Environment** [AK85, Ber88a, Sof87, Did86, Don84a, Don84d, Don85a, Don87b, Don88b, Don89, HO89, HK84, Mar82b, Pra85, ALPC88, CKT85, Dat84, Dat85a, Don83b, Don84b,

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**Extension**

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**field-gradient** [vMF81, vMF84, vM84d]. **fields** [Hay86]. **fighter** [Kip82]. **file** [Bod87, Kir89, OO86]. **files** [BJ81a, BJ81b, BJ84a, BJ84b, Gre88, Kle89b, Kle89a]. **Filling** [YF85, Pal86]. **Film** [Lee84c]. **Filter** [VVV89b, VVV89a]. **Filtering** [LG86]. **filters** [Alb86, Eva81, Gra81a]. **final** [Dha88]. **Find** [Blu78, Cra86a]. **Finding** [CL83]. **Fine** [CF85]. **Fine-tuning** [CF85]. **FINGER** [Wan86]. **Finite** [Fen87a, Rei84b, BMS84, Fen87b, GF89, PB84, Rei84a, Riz85, SR88, Tan86, Wan86]. **finite-difference** [GF89]. **finite-element** [Rei84a]. **finite-range** [PB84]. **finite-volume** [Riz85]. **FIPS** [Uni83a]. **First** [Cas89a, Cas89b, CM81b, CM84a, CM84b, Hig91, RWA84, Rod84, WAD81, CM81a, Fra84a, MB81]. **First-Order** [Cas89a, Cas89b, Hig91]. **Fish** [Sim86, Mar81, Sim85, Sim88b]. **Fisher** [MP86a, MP86c, MP86b]. **Fit** [Fut78, Sim76, vMF81, vMF84]. **FITLIB** [Ano87a]. **fitting** [Ano87a, BDS84, Wat82a, Wat82b]. **five** [Kle89b, Kle89a]. **fixed** [GS81]. **FIXSRC** [BH85]. **fiziki** [BZ85]. **flames** [Kee88b]. **FLEX** [Rus87, Cro87a, Cro87b]. **Flex/32** [Cro87a, Cro87b]. **flexible** [Rus87]. **float** [KS81b, KS81a]. **Floating** [Cro87a, Fat82a, Fat82b, Kaw84, Sch81a, Cro87b, Wic89, ZGK88]. **Floating-Point** [Cro87a, Fat82b, Sch81a, Cro87b, Wic89, ZGK88]. **flood** [Uni81a]. **Florida** [IEE88b, ML88]. **flotation** [Mul85]. **Flow** [Ell82c, GPKK82, GPKK84, jYsS89, ACK86b, BT88, Chi88, CSD82, Ell82d, GG88, JT88, kK89c, Rod87, Shi88, Tan81a, Tan82, Wal85]. **Flowchart** [hA84]. **flows** [Dul81, Sch82b, Tho81, Tho82a]. **flowsheet** [Roc86]. **FLOWTRAN** [Roc86]. **fluctuations** [O'R81]. **fluid** [LR89, Wee86]. **fluids** [McC81, McC86, Rap82b, Rap82c, You82].

**fluorescence** [TPR85]. **fly** [Sho85]. **FO1** [Int83b]. **FORCASD** [Dah81]. **forces** [Wal85]. **FORCON** [Kle89b, Kle89a]. **FOREET** [BA86]. **FORI** [Ano82a]. **Forlib** [Alp83]. **Forlib-Plus** [Alp83]. **Form** [AK82, AK87, WN87, AK81, Sal84, Dix85]. **Formal** [Ban88, Dob85]. **formalized** [She82]. **Format** [BP81a, Gra81b, Hus84, Pre89, BP81b, Gre88, Jac85b, Jac85a, OO86, Sal84, VN89b]. **Formatted** [Whi81a, Whi81b]. **Formeln** [Hof84]. **Formelsammlung** [EmR84]. **Forms** [VVV89b, VVV89a]. **formula** [Tan86]. **formulae** [Bod87, Min88]. **formulas** [Bar89]. **FORSE** [SL82]. **FORSIG** [Hym82]. **Forth** [Pou87]. **FORTRAN** [RO85]. **FORTRAN** [Abs88, BZ85, Bee82, Bee85b, BP81a, CwL83, Dig82f, Dig84j, Hel83, HS81, HT82, Int83c, Law83, MF84, MSM84, Mil87b, Num83c, Num84d, NEM84, RB82, RWA84, Rod84, Sch84c, Sch87c, SDC82, WAD81, Wu82a, Wu82b, Ame87b, X3J89, AL81a, Ano82a, Bee88, BBB<sup>+</sup>83, Com89, Cod86b, Col83, Cou85a, Cou85b, Edm86, EmR84, Eve85, GN89, Hei83, Hel85b, HV83, JL81a, KL83a, KL83b, KL85a, KL85b, KK89b, Kur85, Lah88a, Lam81, McC84c, McC85a, McC85b, MS88b, Mey84, MS84b, Mon82a, Mon82b, Nad86, Pre88a, Sch84d, Sch84e, Sch84b, Weh85, Whi89, Wie85, Wu83, AFN83, Ame85a, Ame87a, AHU81, Ass82, Ass83a, Abd80, Ack84, Ada84, Dha88, AM89a, Alb86, AI88, All82, All84, All87, All90, Amo83a, Amo83b, hA84, And84a, And89, AG87b, Ano81b, Ano82c, Ano82d, Ano84]. **FORTRAN** [Ano85b, Ano89, Ant81, ADP88, AEV89, Apo83, Apo86, AEL<sup>+</sup>86, Art81, AS89a, AS89b, Ash85a, Ash85b, Ash85c, Ash81b, Ash81a, AW82, AFV85, Buc84, Bac81, Bac84b, Bai89, Bai86, Bal84, BNZ87, BW87a, BS81a, BS81b, BGCS82, BGM83, BS81d, Bau88, Bee81, Bel89, Bem84, BS81f, Ber88a, BSdlT87, Ber87, Ber82b, BS81g, BS88c, Bin85, BBuC84, BRK<sup>+</sup>87a, BRK<sup>+</sup>87b, BRK<sup>+</sup>88, Bod87, Boi81, BW84, BW87b, BDR87, BH89, Bor89, BA85b, BA85c, BT83, Boy84a, BS86c, Boy84b, Boy85a, Boy89a, BDS88a, BDS88c, BDS89, Bri84, Bro84a, Bro89a, Bro89b, Bro89c, Bro89d, Bro81b, Bro83a, Bro82c, Bro83b, Bru86, Buc81a, Buc81b, Buc82, BD80, Bur85a, Bur81b, Bur84b, Bur84a, Bur85b, Bur85d, Bur85c, Bur86c, Con81a, Con82b, Con82c, Con82d, Con82e, Con83b, Con83c, Con83d, Con84, Con85b, Con85d]. **FORTRAN** [Con85c, Con86, Con87c, Con87a, Con87b, Con88a, Cad84, Cal85, Can81, CW85, CW88, CW89, Cas89a, CL83, Cha83, Cha86a, Cha87b, cC84b, CB86, Chi85a, Chi85c, hC83, mCaLjH84, Chu88, CSC<sup>+</sup>86, CHPS85, CwL83, CGM85b, CDHP86, vC87, Col89a, Col89b, Con83e, Con88b, CA86, Cor81, Cor82c, CBS81, CB82, CM81a, CM81b, CM84a, CS84, CM89, CDW83a, CDW83b, DW85, CM81c, CM83b, CM86, Cro87b, Cro85a, Cul88, Dig82b, Dig82c, Dig82e, Dig83, Dig84a, Dig84b, Dig84c, Dig84d, Dig84f, Dig84e, Dig84g, Dig84h, Dig84i, Dig85a, Dig85b, Dig85e, Dig85c, Dig85d, Dig86b, Dig86c, Dig86a, Dig86d, Dig88b, Dig88a, Dig88c, Dat81, Dat84, Dat85a, Dah81, Dal88a, Dal88b, Dal89, DGNP88a, DGNP88b, Dav82, Dav84b, DH82, DH83, Dav85, GtTB89, DFD81, DFD84, Del83, Den84a, Den82, Der82, Des89, DcF89, DKG89b, DM87b]. **FORTRAN** [DFK81, DFK83a, DFK83b, DFK88, DP84b, DP84c, Dig84k, DW83a, DW83b, DW84, Dir84, DV81, Dod83, Doh82, Don82a, Don82b, Don84a, Don84b, DE84, Don85b, DS87a, DCHH88b, DCHH88c, Don88c, DM89b, DPA87, Dul81, DS82, DZ87, Dun87a, DZ88, Dun88b, Dun85b, Dun85a, Dur80, DLS84b, Ear85, Edg89a, Egg83, Ehi82, EH81, EK87b, Ell81a, Ell82a, Ell82b, Ell81b, Ell82e, EIT85, EP87a, EP89, Est82, ETA88, EGP81,

Ett83b, Ett87, Eva81, Fed81, Fre83, Fed82b, Fen87b, Fog85, Fog87, Fog88, FDL86, For82b, FR82, FE82, Fra84a, Fra84b, FMH85, FK81, FK84, Fri84, Gaf83b, Gaf83c, Gaf84, GRB88, GGLM88, GL90, Mer86, Mer88a, Gat82, Gee86, GSZ88, GC84, GMW86, Gla88, GH87, Gol84, Goo89, Gra88, Gra86a, Gra84b, Gra86b, Gre84, Gre81, Gri82].

#### **FORTRAN**

[Gro89, GQ88, Gui81, GF81, Hew85, Hew86, HO88, HL82a, HRH81, HRC89, HK87a, HS83, Har86b, Har81, HM82, Har85, HS86, Hay86, Hea81, Hei84, HS81, HPB84, HL82b, Hig88b, Hig89, Hig91, HW86, HF81, HL86b, Hof87, HP89, Hon82, HB81, Hon81b, Hon85, HG83, Hou83, Hsi83, hH82, Hua82, kH84, HPB82, Hud88a, Hud88b, Hue83, Hug84, aHH83, Hym82, Int82b, Int82c, Int82d, Int82e, Int82f, Int82g, Int82h, Int82i, Int82j, Int83b, Int83d, Int83e, Int83f, Int83g, Int83h, Int83i, Int84b, IR84, Int84c, Int84d, Int85b, IBM85, Int85c, Int85d, Int85e, Int85f, Int85g, Int85h, Int85i, Int86a, Int86b, Int86c, Int86d, Int86e, Int86f, Int86g, Int87c, Int87d, Int87e, Int87f, Int87g, Int87h, Int87i, Int88b, Int88e, Int88f, Int88h, Int88g, Int88i, Int88j, Int88k, Int88l, Int88m, Int88n, Int88o, Int88p, IBM88, Int88d, Int89a].

#### **FORTRAN**

[Int89b, IBM89a, Int89c, Int89d, Int89e, Ion84, Int81e, IEC85, IEC88, IMS82, Lib84a, Lib84b, IMS84, IMS87a, Lib87, IMS87c, IMS87b, IMS87d, IMS87g, IMS87e, IMS87f, IMS87j, IMS87h, IMS87i, IMS87l, IMS87m, IMS87k, IMS87n, IMS89a, IMS89b, IMS89c, Lib89a, IMS89d, IMS89e, IMS89f, IMS89g, Lib89c, Lib89b, IMS89h, IMS89m, IMS89i, IMS89j, IMS89k, IMS89l, IMS89n, ISO88, IS84a, IS84b, ISJ85, IZP81, Ame85b, Int85a, IA89, Iwa84, Jap82, JR81, JSW85b, Jan84, JC82, Jia86, JK82, Joh81, Joh83, Joh84, Joh87b, Joh87c, JC88, Jus88, Kah80, Kal85b, KP86, KWM88, Kee88a, Kee88b, KJM89, KD84a, KD84b, Kem85, Kem87, KWWK86, Ker82, Ket85b, Kha81, Kie86,

KRYG82b, KRYG82c, Kip82, Kir89, KK89b, Kle89b, Kle89a, Kne81, KTW84, Knu84, KF87, KF88, KM89, KW89, Kre88, KS82b, KW84, Kul83, sKcH81, hK85].

#### **FORTRAN**

[LZ82, Lag85, Lah86, Lam89, LB86, LD87, Lee84b, Lee84a, Lee85, Lee84c, LP85a, Ler83, LH81, Lew81a, Lew82a, Lew82b, LOU86, iL82, LcY83, Lio85, LN87, LN88b, LO85b, LKM88, MAT89a, MAT89b, Mic83, Maa89, Mac81, mM84, Mai81a, Mai81b, Mai87, MRS84, Mal85, Man82, Mar82a, MR83, Mar83c, MP81, MMM85, Mat83a, Mat83b, McA86, McC86, McC84b, McD83, McG87a, McG87b, McG84, McK83, MP86a, MD88, Rod87, MP86c, Mer81, Met86, Met87b, Met89b, MH82, Mic81, MI82b, MI84, Mic84a, Mic84c, MZ84, Mic84b, Mic84d, Mic85c, Mic85b, Mic85a, Mic85e, Mic86, Mic87d, Mic87f, Mic87e, Mic87a, Mic87b, Mic87c, Mic88, Mic89a, Mic89b, Mic89c, Mic89d, MHS81, Mi82a, MMS88, Mon83, Moo82a, Moo86, Moo88a, MGH81b, Mor84, Mor81a, Mul85, Mul88, Mye83a].

#### **FORTRAN**

[Mye83b, Num83a, Num83b, Num84a, Num84c, Num84d, Num87, Num88b, Num88c, Num85c, Num88d, Num89, Nag81a, Nag81b, Nag85, NL85a, Nan81a, NM85, NJLB81, Tha89c, Nic82, Nic85a, Nic85c, Noh84, NSB2, NL85c, NL85d, O'N81, OO86, Osi82a, Osy84, Ott87, Owe86, Owe87, Pee84b, Pee84c, Pee84d, Pee85a, Pee85b, Pee85c, Pee85d, Pee85e, Pee86, Pee89, Pag83, PDA83b, Pag87, Par86a, Par86b, PBB<sup>+88</sup>, Pat89, Pay84a, Pay84b, PM87, PA84, Per81, PS82, PS83, PCK84, PB86, PMBK82a, PMBK82b, PF85, Pol82, Pra89, PFTV86, Pre87b, Pre89, PRL<sup>+85</sup>, PP85, Res86, Rel83, Rel86, Rel88, Rat89, Rel89c, Rel89a, Rel89b, Rel89d, Rad83a, RRS88, Rao81b, Rao81a, Rao83, Rap82a, Rap82b, Rap82c, Rat81, Rat86, Red86, Red82, RW85, RAKK88, Rid82a, Rid82b, dR87, Rin83, Rob82, RG85, Roc86, Rod86, RL81, Rom81, Ros84].

**FORTRAN** [RMS82, RH84b, RB83, Roy88, Rub83, Rus87, Rzy84, Sof83a, SH88, Sas83a, Sas81, Sau83b, Sau83c, SPS84, Sav87, Sch82a, Sch82b, Sch86, Sch84a, Sch87a, Sch87b, Sch89a, Sch83b, Sch89e, Sch88c, Sch81b, SB82, SB86, See81a, Seq89, Sha87, Sha89, SK83, She89b, SS84, SSS84a, SSS84b, SJB83a, SJB83b, SD89, Sim85, Sim88b, Sin81, SP85a, SP85b, SIR82a, SIR82b, Sis85, Slo88, Smi81, Smi83a, Smi84, Smi83b, Smi85d, Smi85b, Smi85c, Smo89a, Sne88, Spe82, Spe83, SP84b, SP84c, SG88, SR86, Sto85a, Sto85c, Sto85b, Str85, Stu81b, Sul2, Sul88, Sun84, Sun85, Sun86a, Sun86b, Sun88b, Sym85, Sym86, Sym88, cT81, cTcT84, TU81, TSU88, Tan83a, Tan85a, Tan85b, TPR85, Tat87, TS88, Tel82, TMS88a, TMS88b, Tew81, TBM85, Tha89a, Tha89b, The88, Tho81, Tho82a].

**FORTRAN** [Tho82b, Tho84a, Tho84b, Tho84c, Tho84d, Tho84e, mT82b, Tod85, Ton82, TPS<sup>+</sup>88, (??84, Tro84, TR84, sT85, Uni86a, Uni82a, Uni82b, Uni82c, Uni81b, Uni83b, Uni85a, Uni84a, Uni84b, Uni81a, Uni83a, Uni85c, Uni83c, Uni86b, Ull84, Div85, Van82, VLV<sup>+</sup>86, Van84b, VVV89b, Van84c, Van85, Var85, VMS81, VTP89, VN89a, VN89b, VL81, VH87, Vu 89, WH87, WG84, Wal3, Wal81, Wan84, yW85, War86, WB89, Wat86, Wat82a, Wat82b, Web88, Wee86, Wei86a, Wei86b, WD81a, WD81b, Whi81a, Whi81b, WM85a, WB85, Wie83, Wie86a, Wie86b, Win85, Wu82a, Wu82b, WF85, YK88, jYsS89, YS84a, YS84b, YS84c, YS84d, fY84, dZ86, Zim86, ZDS81a, ZDS81b, ZSD82a, ZSD82b, ZGS89, Zwa81, Zwa85, dB82b, dEV89, vvHG87a, vvHG87b, van86, SL82, HB84, Ass84, Ass83b, AC87, Adv86].

**Fortran**

[Abe89, AR87, Ada89, AW89, Adm84, Adm85, AM81, Aha85a, Aha85d, Ain89, Air77, AD84, AS88a, AS88b, AKLS88, Alc82, Alc83a, Alc83b, AK81, AK82, ACK86a, ACK86b, AK87, AP87, APD86, And84b, AL81b, AG87a, AG87c, Ano81a, Ano82a, Ano82b, Ano83, Ano85c, Ano87a, Ano87b, Ano87c, Ano87e, Ano88c, A<sup>+</sup>81, AHH89, Aya84, Baj81, Bal85, Ban78, Bar84, BS88b, BS88a, BK84, BS81c, BG82, BSP83, Bau82, BL83, BR89a, BS86a, BA86, BS81e, Ber82a, Ber85a, Ber89, Ber84a, Ber84b, Ber85b, Ber88b, Bez88, Bez89, BMS84, BB82, Bli89, Blu78, BKK<sup>+</sup>81, BBG<sup>+</sup>82, BBG<sup>+</sup>84, BS86b, Boi84, Boi85, Boi87, BDJ<sup>+</sup>89, BKL89, Bor85b, Bor85a, Bow82, BA85a, Boy85b, Boy89b, BGG85a, BGG85b, BR89b, BK88, Bre78b, Bre78a, Bre79, BDS88b, Bri85, Bro81a, Bro82a, BS83].

**Fortran** [Bro82b, Bro84b, BH85, Bro85, Bru84, Bru82, Buc81c, Bur81a, BJ81a, BJ81b, BJ84a, BJ84b, Bur86a, Bur86b, Bur87, BP81b, Com89, Con81b, Con82a, Con83a, Con85a, Cal83, Cal89b, Cal89c, Cal89a, CF85, Cas89b, Cas81, CS83, CCN<sup>+</sup>79, CD84, CRV<sup>+</sup>89, CDW82, CDW84, Cha87a, Chi85b, Chi81, Chi86b, Chi88, CC84a, CK86b, CR84, CCHT89, Cla86a, Cla86b, Cla86c, Cla89, Cod86a, Cod89, Col83, Col87a, Col82, CGM84b, Col84b, CGM84a, CGM85a, CSD82, Cor82a, Cor83, Cor82b, CSD83, CM84b, CT86a, CT86b, CM83a, CM87, Cra83, Cra84, Cra86b, Cra89a, Cra89b, Cre89, Cro87a, Cro85b, Cza83, DB82a, Dig82a, Dig82d, Dat85b, Dav81a, Dav84a, Dav81b, DH84a, Dav86, DH88a, DH88b, Del82, Del85, Del88, Den84b, DF89, DKG89a, DM87a, DP81, DP84a, Dil85, DM89a, Dob85, DG82, Doe88, Dol88].

**Fortran** [DJM87, Don81, DS86a, Don83b, Don84c, DDHH84, Don84d, DCHH85, Don85a, DD86, DS86b, DCHH87, Don87a, Don87b, DS87b, Don88b, Don89, DM87c, Dre81, Dub84, DR82, Dun80, Dun87b, Dun88a, Dur83a, Dur83b, DLS84a, Edg89b, EL81, EE84, EK87a, Ell82c, Ell82d, Ell83, Els82, Enc87, Ett83a, Ett84a, EP81a, EP81b, EP87b, Fed82a, FS86b, FW83b, FW83a, Fen87a, Fis83, FW82, Flo89, For82a, For85,

FSO89, Fre81, FKSS81, FGH81, Ful87,  
 Fun86, FGGF86, Fuo86b, Fuo86c, Fuo86a,  
 Fut78, Gra85, Gaf83a, GY82, Gic88,  
 GMPW79, GHM<sup>+</sup>86, Gil86, Got84, GB83,  
 GB89, Gra84a, Gra81a, Gre88, Gre86, Gre85,  
 GDK89, Gri85, GKRY82, Gro83, Gru88,  
 Gue86, Gui87, Gul86, Guz87, Guz88,  
 GPHL88, GPHL90, Hah87, HG82a, HR83a,  
 HRC87, HA83, HK87b, Har86a, HWS<sup>+</sup>88,  
 Her81, HM81, HM84]. **Fortran**  
 [HL82c, Hig88a, Hig86, Hil81, HO89, HL86a,  
 HB83, Hon81a, HK84, Hop81, Hos88, HK83,  
 HPR81, HR83b, HR83c, HR84a, HR84b,  
 HH85, Hur82, Int81a, Int81b, Int81c, Int81d,  
 Int82a, Int83a, Int87a, Int87b, Int88a, Int88c,  
 IBM87, IBM89b, Wor84a, IA84, Ame89b,  
 Int84a, Isn82, Jac85b, Jac85a, JS88, Jam86a,  
 Jam86b, Jan88, Jes82, Joh85a, Joh85b,  
 Joh86, Joh87a, JL81b, JC89, KW87b,  
 KW87a, Kal85a, KK89a, Kan88, KB88,  
 Kat82, Kaw84, Ket82, Ket84, Ket85a, Key81,  
 Kie83, mK84, Kim86, KGRY81, KRYG82a,  
 KRYG82d, Kir85, KKK89, Kna84, KS82a,  
 KC84a, KC84b, Kri83, KW87c, Kum86,  
 La 87, Lah87a, Lah87b, Lah88b, Lah88c,  
 Lah88d, Lam86, Lam84, Lan88, Lar81,  
 Lau86, Lav83, LHKK79a, LHKK79b, Le83,  
 LG86, LP85b, LN89, Leh86, Leh83a, Leh83b,  
 Lei87, LHP87, LH87]. **Fortran**  
 [LB89, LW88a, LW89, Lev89, Lew81b, Lig82a,  
 Lig82b, Lig84, Lig85a, Lig85b, Lig88c, Lig88a,  
 Lig88b, Lin83, LPJ83, LP87, LS87, LS88,  
 LN88a, Lud81, LCH<sup>+</sup>88, LW88b, LO85a,  
 Met89a, MS81, MS84a, Mar83a, Mar83b,  
 MW83, Mar81, Mar83d, MW84a, Mas83,  
 Mas87, MW84b, May89, McC81, MSR87,  
 McC84a, McC85c, MS88c, McD85, McK85b,  
 McM86, McN83, MO82, Mei84, MO84,  
 Mei87, Mei88, Mei89a, Mei89c, MP86b,  
 Mer88b, Met82, Met85a, Met85c, Met85b,  
 MR87, Met87a, MR88, MR89, Met89c,  
 MI82a, Mic84e, Mic84f, Mid84, Mil82b,  
 Mil87a, Mil88a, Mil88b, Miy87, MA89,  
 Mon89a, Mon82c, Mon89b, Moo85a, Moo81,  
 Moo83, MM81, Moo82b, Moo85b, MC80,  
 MGH81a, MSG86, Mos88, MT84b, Num84b,  
 Num88a, Num86, Nai84, Nai86, NL85b,  
 Nan81b, NSV1 , Nic85b, NE89, Nor83].  
**Fortran**  
 [NL83, NL88, OM82, O'R81, OK87, Oli81,  
 Oni85, Osi82b, Pad85, PDA83a, Pag84,  
 PDA86, Pag88, Pal86, PB84, Pee84a, PD81,  
 PA83, Pet83, Pet87, Pol81, Pol83, Pol87,  
 PS84, Pre87a, Pre88c, PP82a, PP82b, Pru87,  
 Pyr84, Rad81, Rad83b, Rai84, Rao82, RV84,  
 Rao86a, Rao86b, Rao87, RRC89, Ras84,  
 Rat87, RO86, RZ89a, RZ89b, Rei84a, Rei84b,  
 Rei87a, Rei89a, Rei89b, Rey80, Ric84, Ric82b,  
 Rid82c, Rob83, RV8 , Ros87, Rou83, Rou86,  
 RS81, RS84, Rul83a, Rul83b, RkC84, Rya86,  
 SAS86, SIG84, Sel83, Sal84, SM84, Sas83b,  
 Sau83a, SK86, Sch82d, Sch89c, Sch89b,  
 SM88a, SM88b, Sch89d, Sch79, Sch85b,  
 SB83, See81b, Ser85, Ser89, SMD84, SR84a,  
 SDH84, She84, She89a, She82, She78, SSS84c,  
 Sim88a, Sim76, Sim86, SC83, SP84a, SW83].  
**Fortran** [Sme81, SS82, Smi83c, Smi85e,  
 Smi85a, Smi87a, Smi87b, Smi88a, Smi88d,  
 Smi88b, Smi88c, Smo89b, Sol89, Som86,  
 Son83, Spa85b, Spa85a, Spe85, SS87b, SR87,  
 SR84b, SP87, Ste79, Ste76, Str82, Stu81a,  
 Sun88a, Sus86, SS79, Szy87, Tan86, Tan81a,  
 Tan82, hTD88, TFH86, Tei86, Ter87,  
 TMjC81, Tho86a, TW87, Tou84, Tri84,  
 (??87, Tri89, TFI86, TWI88, Tuc86, Tur86,  
 Uni87, Uni85b, Uni84c, Uni84d, Uni84e,  
 Uni88, Ull85, Ull86, Vag89, Val85, VVV89a,  
 Vet85, VTPF87, VPH82, VSH83, vdV85b,  
 vdV86, Wor84b, Wag84, Wag85, Wal85,  
 Wat85, Web85a, Web85b, Wee89, WW89,  
 Weh85, Wei89a, Wei89b, WS84, Whe84a,  
 Whe84b, Wid88, Wil87a, WP84, Wis81,  
 Wol85, Woo89, Wor88, Wor89a, Wor89b,  
 Wu83, WLO76, Wyl86, Ame87e, ANS89,  
 You82, hYsA82, Zho89, Zoh84, dB84].  
**Fortran** [vdV85a, vMF81, vM84a, vM84c,  
 vMF84, vM84d, vMT84, vM84b, vM84e,  
 vM84f, FCG83, SFKS81, Wil87b, Bis81].

**FORTRAN-10** [Dig85a]. **FORTRAN-10/** [Dig85a]. **FORTRAN-77** [Hay86, Enc87].  
**FORTRAN-86** [Int85a, Int84a].  
**FORTRAN-C** [Sch89e].  
**FORTRAN-Coded** [vvHG87a, vvHG87b].  
**Fortran-fibel** [KW87c]. **Fortran-IV** [SDH84]. **FORTRAN-Lexikon** [Ehi82, Ano82a]. **FORTRAN-like** [Whi81a, Whi81b, HL82c].  
**FORTRAN-orientiertes** [Dah81].  
**Fortran-preprocessor** [Els82].  
**Fortran-Programmen** [Wie85, Wid88].  
**Fortran-Programmpaket** [Kna84].  
**Fortran-Programs** [Bur81a].  
**Fortran-Routinen** [Wis81].  
**FORTRAN-SC** [BRK<sup>+</sup>87a, BRK<sup>+</sup>88, KW89].  
**Fortran-to-Pcode** [CCN<sup>+</sup>79].  
**FORTRAN/** [DLS84b, Hew86]. **Fortran/2** [Ano87b, Int87b, IBM87]. **Fortran/77** [DLS84a]. **Fortran/ANSI** [KK89b].  
**FORTRAN/WATFOR/WATFIV** [BS81d]. **FORTRAN77** [Mic85d].  
**FORTRANe** [BZ85]. **FORTRANHybrid** [RAKK88]. **Fortrans** [Aha85b].  
**FORTRANSIT** [Hem86]. **forum** [Ass84, For82b, SIG84]. **Foulkes** [Dal89].  
**Foulkes-Davis** [Dal89]. **Fourier** [NEM84, AC86, AI88, Bai87, IA84, Joh86, Mil89, PS84, TFH86]. **Fourier-** [NEM84].  
**Fourth** [Cas89c, LCMM88]. **FPFIT** [RO85, RO86]. **FPPAGE** [RO85, RO86].  
**FPPLOT** [RO85, RO86]. **FPS** [Tou84].  
**FPS-164** [Tou84]. **fraction** [Bar89].  
**FRAME** [MT84b]. **France** [Ass86, LCMM88]. **Franconian** [Rub83].  
**Fraser** [Dun87b]. **Free** [BP81a, Gra81b, BP81b, DS82, Jac85b, Jac85a, OO86].  
**Free-Format** [BP81a, Gra81b, BP81b, OO86]. **French** [Gra86a]. **frequencies** [Iwa84]. **frequency** [Alb86]. **Friedman** [Dav82]. **front** [Gul86, ZGK88]. **FSQP** [Zho89]. **FTIDY** [BS86c]. **FTN** [Ano82a, Ehi82]. **FTN5** [Ano82a]. **Fu** [hC83, fTBcL7 , mT82b]. **full** [Lah88b, Lah88c, Not89, Dix85]. **fully** [Col89a, Col89b]. **Function** [Amo83b, DM87b, DM87a, HKP88, Stu81a, Woo89, Bar84, Bau88, Bru86, Col84b, Ols83, Stu81b, Whe84a, Whe84b]. **functional** [Ame85c]. **functionality** [SM87]. **Functions** [ACG<sup>+</sup>86, Amo83a, GN89, Maa89, DFD81, DFD84, Gro89, Hil82a, Hil82b, IMS87a, Lib87, IMS87c, IMS87j, IMS87h, IMS87i, IMS89d, IMS89e, Lib89b, IMS89l, MT84a, Num88d, SP87, Wat82a, Wat82b].  
**Fundamental** [Gro83, SR87, MSR87, Ril83].  
**Fundamentals** [BEE<sup>+</sup>85a, BGG85a, BGG86, Hor83a, Nic82, Nic85a, Nic85b, Nic85c, Pru87, BGG85b].  
**FURI** [Bar84]. **Further** [Tem89a, Tem89b].  
**Future** [AE87a, AE88, EA87, Aha85b, Met85c, AE87b]. **FX** [All87, Cod86a, WSL88]. **FX/8** [WSL88, Cod86a]. **FX/FORTRAN** [All87, Cod86a].  
  
**G** [BD80]. **G1** [Mar81]. **GALCYCL** [Gra86a]. **Gamma** [DM87b, DM87a].  
**Garbage** [Chr84]. **gas** [BT83, BDS84, DS82, KWM88, Kee88a, LKM88, Rom81].  
**gas-phase** [KWM88, Kee88a]. **GASP** [Hur82]. **gauge** [Lam89]. **Gauss** [Sch88a].  
**Gaussian** [PW84, She78]. **GDR** [Dav89].  
**GENCOL** [HMR85a]. **GENCOV** [CCHT89]. **GENCRAY** [Wee89, WW89].  
**General** [Coc83, HMR85a, Kir89, KW89, See81b, Ano82d, Bai86, Eva81, Int82e, Int83h, Int84d, Int85e, KJM89, Mai81a, Mai81b, See81a, Wal85, Zho89, ZGK88].  
**general-purpose** [KJM89, ZGK88].  
**Generalized** [Ban78, KW87b, KW87a, Gui88, Web85a, Web85b, Zoh84]. **generate** [CDW82, CDW84]. **generated** [BK88].  
**generates** [CCHT89, MH82]. **Generating** [Dix85, TWI88, FF84, Lec89, Zho89].  
**Generation** [Chi86a, Gab89, HG82b, LG86, PB86, Vel82, vvHG87a, Bat85, BT83],

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- Sun88b, Tan83a, Tan85a, TMjC81, Tew81, Uni82a, Uni83c, Uni84c, Uni86b, WB85, YS84a, YS84c, Zho89]. **guide/release** [Dig82b, Dig84e, Dig85c]. **Guidebook** [LW88a, LW89]. **Guidelines** [BBB<sup>+</sup>83, Cor82b, Ear85, McA86]. **gun** [MH82].
- H** [Eve85, RB82]. **HADY** [EH81]. **HADY-1** [EH81]. **haesol** [jYsS89]. **Hajimete** [TS88]. **hand** [KK89b]. **hand-parallelizing** [KK89b]. **Handbook** [CV88b, Fog85, Fog87, Fog88, Res86, Rit89, Sel83, Bin85, Guz87, Num83c, Num84d]. **handling** [JK83, Mal85, Num88a, Ott87]. **Handprint** [PB86]. **hands** [CC84a]. **hands-on** [CC84a]. **Handtc** [SP84b, SP84c]. **Harcourt** [KC84b]. **Hard** [BBF<sup>+</sup>82]. **Hard-Core** [BBF<sup>+</sup>82]. **Hardware** [Kna84]. **Hardware-Testschnittstelle** [Kna84]. **harmonic** [Rap82a]. **harmonics** [dB82b, dB84]. **Harray** [YHKM89]. **Harris** [Har81]. **Hart** [Dun87b]. **Hartley** [Bun86]. **Harvard** [Par86a, Par86b]. **Harwell** [Num88a]. **HCPRVR** [Gat82]. **Heap** [Kah80]. **heaters** [WP84]. **HECLIB** [Cha87b]. **Heinemann** [RB82]. **helicopter** [Red86]. **help** [Tha89c, RAKK88]. **heng** [hC83]. **HENTRAN** [Gui81]. **HEP** [BDJ<sup>+</sup>89, Den82, DH84b, Dun86, HLM84, Kow85]. **here** [JH86]. **HERMCOL** [HMR85b]. **Hermite** [HMR85a, HMR85b]. **Hessenberg** [FW82, Ste76, VVV89b, VVV89a]. **Hessian** [CGM85b, CGM85a]. **Hessians** [vvHG87a, vvHG87b]. **Heuristic** [Bos88, Lau86]. **heuristics** [BCKT89]. **Hewlett** [Pol83]. **Hidden** [Sha87, Wit81, Col82, Sha89]. **Hidden-line** [Wit81]. **Hierarchical** [Bla87, Gal89]. **hierarchical-memory** [Gal89]. **High** [AG87a, AG87b, BD89, Fat82a, Fat82b, Hus84, JW86, Sam81, Adv86, Ano89, Bai87, DDDG89, Ell82a, Ell82b, FF84, Jes82, KRW88, Mul83, Rap82a, RW89, SDH84, Wit81, AG87c]. **High-Accuracy** [JW86]. **High-Level** [Fat82a, Fat82b, Adv86, Ell82a, Ell82b, FF84, Mul83, RW89]. **high-lying** [SDH84]. **High-Performance** [BD89, Bai87, DDDG89]. **High-resolution** [AG87a, AG87b, AG87c]. **High-Speed** [Hus84]. **highly** [PW84]. **Hilfe** [RAKK88, RS82]. **Hill** [BBB<sup>+</sup>83]. **histograms** [vM84c]. **histories** [CB86]. **History** [AW82, McC84b, RL81, Sam81, WD81a, WD81b, Wex81, Bac81, Hig86, Mai87]. **Hitachi** [EML88]. **Höhere** [Hah81]. **homogeneity** [TBM85]. **homogeneous** [LKM88]. **Homogenization** [Sch83b, Sch83a]. **Homogenization/Blending** [Sch83b, Sch83a]. **homotopy** [Tod85]. **HOOPS** [Kli89]. **horizontal** [The88]. **Horn** [Min88]. **HOST** [SIR82a, SIR82b]. **Houston** [Mor82]. **HP** [Hew85]. **HPFORTRAN** [Sul88]. **HQR3** [FW82, Ste76]. **hsı** [cC84b, hHtM81, cT81]. **HSPF** [AHU81, Don83c, Gri82, JK82, Uni84a, Uni84b]. **HSSR** [ZDS81b]. **hsu** [kH84, LcY83, yW85]. **hsueh** [Cha83]. **hua** [mT82b, fY84]. **human** [Bro83b]. **Humans** [DP81, DP84a, PDA83a, PDA86, APD86, DP84b, DP84c, PDA83b]. **Hungarian** [Sch84a]. **Hutty** [Bis81]. **hybrid** [Gra88, RAKK88]. **hydraulic** [Gic88]. **hydrocarbon** [Hig86]. **hydrogeochemical** [ZDS81a, ZSD82a, ZSD82b]. **hydrographs** [Uni81a]. **Hydrologic** [BK84, Cha87b]. **Hydrological** [AHU81, Uni84a, Uni84b, Gri82, JK82, War86]. **hydroxy** [She89b]. **hypercube** [IS84a, IS84b]. **hyperfine** [Nai84, Nai86]. **Hypergeometric** [GN89]. **HYPOINVERSE** [Kle89a]. **Hypothetical** [Jia86].
- I/O** [AS89a, AS89b, Hus84, Joh87b, Joh87c]. **IAzyk** [Osi82a]. **iazyka** [BKL89]. **iazykami**

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- input/output** [OO86, Wil87a].  
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**Instabilitäten** [RAKK88]. **instabilities** [RAKK88]. **installation** [BS83, Dig82b, Dig84e, Dig85c, Int83i, Int85d, Int85f, Int88k, Int88l, IBM89a]. **instantaneous** [Joh85b].  
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- Microeconomics** [Aya84].
- microelectronic** [Mat83a, Mat83b].
- Microfortran** [Dir81]. **microNet** [CDW83b].
- microprobe** [Hue83].
- microprocessor** [Rom81]. **Micros** [Mar83d, Mar83c]. **microscopic** [vM84c].
- Microsoft** [All90, Chi81, Chi86b, McG87a, McG87b, Sul88, Woo89]. **microstrip**

- [Ric82b]. **Microtasking** [CSZ86].  
**MicroVMS** [Dig84b, Dig84c, Dig85b].  
**MIDAS** [MSA86]. **mikroprogrammierten** [Wis81]. **Mikros** [MF84]. **MIMD** [Jor86, Kow85, RS85, Sol89, Sor84, ZBG88].  
**MIMD/SIMD** [Sol89, ZBG88]. **MINCLC** [FMH85]. **Mine** [Nor84]. **mineral** [Boy84a, FMH85, Uni86a]. **Minerals** [Sch83b, Sch83a, Bod87, Kie86]. **mini** [Hey85, Num84c, Nag81b]. **MinIdent** [Uni86a]. **Minimal** [YM85]. **minimization** [LN89, YM85]. **minimum** [BT88, Wat82a, Wat82b].  
**minisupercomputers** [WSL88].  
**Minnesota** [VL81, Wex87]. **MINTDF** [KP86]. **MIPROPS** [McC86].  
**Miscellaneous** [Ano81a, Lag85]. **mixed** [Mic87d, Wic89]. **mixed-language** [Mic87d].  
**Mixing** [McG87a, McG87b]. **MM2** [She89b]. **MMLE3** [Mai81a, Mai81b]. **MNF** [VL81]. **mo** [Lee84a]. **MODCOMP** [CBS81]. **mode** [Iwa84]. **Model** [Ano87e, DK84, DCHH87, DCHH88a, Hol87a, Hol87b, Jai84, Sch87a, Art81, BNZ87, CM86, DGNP88a, DGNP88b, DM89b, Gic88, IA89, KWWK86, PMBK82a, PMBK82b, War86].  
**modeling** [DJM87, Gla88, Gre88, Kee88b, Pet88, SL82].  
**Modellaufbau** [Sch85a]. **Modellbil** [Dah81]. **Modellbildung** [Sch82e, Sch84d, Sch84e]. **modelling** [FS86a, Tat87, VP84]. **Models** [ET86, ADP88, BDS84, DPA87, IS84a, IS84b, Lag85, Mul85, Not89, PF85, Rin83, Tan81b, vMF81, vMF84]. **Modern** [Wan85, Wor88, Wor89a, Wor89b].  
**Modified** [BBB<sup>+</sup>83, DFK83a, DFK83b, DFK88, Par86a, DFK81, Par86b]. **modifier** [Jia86]. **modulad** [LB89, (??87, (??84, Tri84, Tri89)].  
**modulation** [Ber84a]. **Module** [BBB<sup>+</sup>83, Ull85, Ull86]. **modules** [McG87a, McG87b]. **moduli** [Gui88].  
**Modulnykh** [MK86]. **moisture** [SG88].  
**molecular** [Bar89, GDK89, Sch89a, She89b, VSH83].  
**molecule** [Nai84, Nai86]. **moment** [Fra84a].  
**Momentenmethode** [Sch84f]. **moments** [Hos88]. **momentum** [CDW82, CDW84, RV84, RRC89]. **Monitor** [Hei83]. **Monitors** [LO85a, LO85b].  
**monochromatic** [Wyl86]. **monolayer** [She89b]. **Monte** [Joh85b, NE81, VH87].  
**MONTEC** [PS83]. **Montréal** [Van84a].  
**morphometric** [Wal3]. **Most** [DE84].  
**mostly** [JH86]. **Mothra** [Sof87]. **Motion** [Chu88]. **movement** [Col89a, Col89b, KWWK86]. **MP** [Bre78b, Bre79, Bre81, Hoc85, RS85, hTD88, Tem89a, Tem89b, ZM86]. **MP/24** [AGS88].  
**MPD** [RAKK88, RAKK88]. **MPD-engines** [RAKK88]. **MPD-Triebwerken** [RAKK88].  
**MPQS** [LtW88]. **MPQS-factoring** [LtW88]. **MS** [JC88, JC89, Mic84c, MZ84, Mic85c, Mic85b, Mic86, Mic87c, Tha89c, Div85]. **MS-DOS** [JC88, JC89, Mic84c, MZ84, Mic85c, Mic85b, Mic87c]. **MS-FORTRAN** [Tha89c]. **MTS** [CW85, CW88, CW89]. **mu** [ZGK88].  
**mudpack** [Ada89]. **Multi** [Aha85c, Dav86, Gui88]. **multi-effect** [Dav86]. **Multi-language** [Aha85c].  
**multi-moduli** [Gui88]. **multicomponent** [Kee88a]. **Multicomputer** [Cro87a, Cro87b].  
**Multicriterion** [Osy84]. **Multigrid** [Ada89]. **multiphoton** [BSdT87]. **Multiple** [Bre78b, Bre78a, Bre79, BHY80, Haa87, DGNP88a, DGNP88b, DV81, Gen82, JT88, Tho84b, Tho84d]. **Multiple-Precision** [Bre78b, Bre78a, Bre79]. **Multiprecise** [BW89]. **multiprocessing** [ABC<sup>+</sup>88].  
**Multiprocessor** [Dun86, HS81, KRW88, GGJ<sup>+</sup>89, Gal89, GSZ88, PJ84, RRS88].  
**Multiprocessors** [CSZ86, GL86, HKP88].  
**Multiprozessorsystem** [Hel85b, HS81].  
**Multitasking** [Bro84a]. **multivariate** [Mul88]. **München** [Wös82]. **MUNIT** [MSG86]. **Musaid** [aHH83]. **music**

- [Moo86, Ion84]. **Muster** [San82].  
**Mustererkennung** [MF84]. **Mutant**  
[ADH<sup>+</sup>89]. **Mutation**  
[DAG<sup>+</sup>88, OK87, Tan81a, Tan82]. **mutual**  
[Bai89]. **MV** [Kir89]. **MVS**  
[Bin85, Int88k, Int88l, IBM89a].
- N** [Uni81b]. **n\$-\$HLF\$/** [Tem89b]. **nach**  
[Sch84f]. **Nag** [Phi87, HP88, Num81,  
Num83c, Num84b, Num84d, Num85a,  
Num88b, Phi86, Whi89, Num83b, Num84a,  
Num84c, Num87, Num88c]. **Name** [GM83].  
**Naming** [Boo82]. **nao**  
[Cha83, hK85, iL82, fS82]. **NASA**  
[Bro89a, Bro89b, Bro89c, Bro89d, HL82b].  
**NASA-Langley** [HL82b]. **NASA/**  
[Bro89a, Bro89b, Bro89c, Bro89d]. **Nassi**  
[Sis85]. **Nassi-Schneiderman** [Sis85].  
**NATFREQ** [Iwa84]. **National**  
[Com89, DH82, DH83, DH84a, Mor82, LZ82].  
**natural** [Iwa84]. **Naturwissenschaft**  
[McC85a, McC85b]. **Navier** [Gro87]. **Navy**  
[Gro82]. **NBS\*AIDS80** [MHS81].  
**NBSCG** [TPR85]. **NCAR** [CM81c].  
**NCC** [AW82, Smi84]. **NEC**  
[LtW88, Wat87]. **need** [Col87b]. **NESS**  
[KBRM<sup>+</sup>86]. **Nested**  
[FN85, OM82, SP82, Sto85c, Ber88b, Uni83a].  
**Network**  
[Bla87, ZM86, BT88, GG88, Gol81, Sim88a].  
**network-structured** [Gol81]. **Networks**  
[NL85b, Tsu85, NL85a]. **Netzen** [Hof84].  
**Neues** [MF84]. **neutron** [CSC<sup>+</sup>86].  
**Nevada** [ACM89b, Ano83, Ket82]. **Newton**  
[TU81, DM89a, La 87, Rod87]. **NF** [Ass83b].  
**nine** [Sun88a]. **Ninth** [POP82]. **NLPQL**  
[Sch86]. **NMFEC** [Fon85]. **NMR**  
[vMT84, vM84e]. **No**  
[Cou85b, KW84, RB82, Wil87b, Cou85a,  
Edm86, Int83b, PB84, TS88, Uni83a].  
**no-recoil** [PB84]. **noise** [Fra84a]. **NOLLSI**  
[TU81]. **nombreux** [GB83, GB89]. **non**  
[Adm84, Adm85, Wyl86]. **non-scientific**  
[Adm85]. **non-scientists** [Adm84].
- Nonalgebraic** [SL82]. **Nonlinear**  
[KKRK85, LG86, MHK86, MC80, ZM86,  
Dun80, DZ87, Dun87a, Gil86, IZP81,  
Num88a, Sch86, TU81, Tod85].  
**nonparametric** [TSU88]. **nonrelativistic**  
[VC89]. **nonrotating** [Dul81]. **Nonstiff**  
[Cas89a, Cas89b, Hig91]. **NOR**  
[NL85a, NL85b, NL85a]. **NOR-B**  
[NL85a, NL85b]. **Norm**  
[Blu78, Hig88b, Hig88a, Hig89, PFF83].  
**Norm-Conserving** [PFF83]. **Normal**  
[WN87, Bau88, Sun88a]. **normalisation**  
[Tri84]. **Norme** [Ass83b]. **normes** [LB89].  
**norms** [CT88]. **Norway** [VV86]. **NOS**  
[Con83c, Con84, Con85b, Con85d, Con85c,  
Con86, Con87c, Con87a, Con87b, Con88a].  
**NOS/VE**  
[Con83c, Con84, Con85b, Con85d, Con85c,  
Con86, Con87c, Con87a, Con87b, Con88a].  
**Note** [WH87]. **Notes**  
[KW89, Div85, Dig82b, Dig84e, Dig85b,  
Dig85c, Smi81, Smi83a]. **Nov** [Rei89c].  
**November**  
[ACM89b, IEE88b, ML88, Rei87d, Rei87e].  
**NPSOL** [Gil86]. **NS32000** [Cod86b].  
**NSPIV** [She78]. **NSWC**  
[Mor81b, Mor90, Mor93]. **NSWC/DL**  
[Mor81b]. **nuclear** [SMD84, SR84a, SDH84].  
**nuclei** [Nai86]. **nucleic** [LB86]. **nucleon**  
[SDH84]. **null** [BHK<sup>+</sup>85]. **Number**  
[Gui89, Haa87, Pie85, Sch79, SP82, GS81,  
GDK89, GQ88, Ras84, Vu 89].  
**number-theoretic** [GQ88]. **Numeric**  
[BB83, GKKY89, HK87a, HK87b].  
**Numerical**  
[AHH89, BZ85, Boe87, BKK<sup>+</sup>81, Bor85a,  
DM87c, GGLM88, GL90, HL82a, HP88,  
Hus84, JSW85a, KKRK85, KMN89, LG86,  
MC80, Num85b, Num85c, Num86, Num88d,  
Num89, Ngu81, PFF83, PFTV86, Pre87b,  
Pre87a, Pre88b, Pre88a, Pre89, SSS84a,  
SSS84b, Vet85, VTPF87, VTP89, VN89a,  
VN89b, VV86, Wan85, AM89b, Des89,  
Gro89, HM82, JSW85b, McM86, Mor81a,

Pet83, Red86, Smi83c, Wan86, Gra86a]. **numerico** [Bor89]. **numérique** [Gra86a]. **numériques** [FS86b, GB83, GB89]. **Numerischen** [EmR84]. **Numvec** [Som86, GtTB89, HL86a, HL86b, Hof87, HP89, Lio85, dR87, dZ86]. **nutritional** [BS86b]. **NYU** [Gre86]. **nyumon** [Mor84, TS88].

**O** [AS89a, AS89b, Hus84, Joh87b, Joh87c]. **Oak** [ZDS81b]. **obespecheniuu** [Aka88]. **object** [Gol81, RW89, Pou87]. **object-oriented** [Gol81, RW89, Pou87]. **objective** [LN89]. **Obrabotki** [MK86]. **observations** [Mul83]. **observed** [Tho84b]. **obtain** [MRS84]. **Occurring** [AB89]. **October** [Ass86]. **ODESSA** [LK88]. **OEHPC** [GtTB89]. **Oil** [ET86, Kre86a, BT83, Kre86b]. **O'Leary** [Tay86]. **olefins** [She89b]. **Olson** [WF85]. **OLYMPUS** [HR83b, HR83c, CR84, HR84a, HR84b]. **On-Line** [PB86]. **on-resonance** [SDH84]. **on-screen** [Tha89c]. **One** [Hig88b, Hig88a, Hig89, Bur86a, Dun88b, Kee88b]. **one-dimensional** [Kee88b]. **One-Norm** [Hig88b, Hig88a, Hig89]. **one-sided** [Dun88b]. **only** [GS81]. **Ontario** [Sof83b]. **operands** [Est82]. **operating** [Ant81, Con83a, Con85a, Int88c, Mic84c, Mic85c, Mic85b, Mic87c, Pay84a, Pay84b]. **operation** [Kar87a, Kar87b]. **Operations** [Cro87a, Cro87b, Int84b, Int85b]. **Operators** [ADH<sup>+</sup>89, Bru86, CDW82, CDW84, CSD82]. **Opinion** [GPKK82, GPKK84]. **Optimal** [Gaf83b, Gaf83c, Gaf83a, NL85b, Ull85, Ull86, NL85a]. **Optimalnykh** [MK86]. **Optimierung** [Jac82]. **Optimising** [Sch89c, Uni82c]. **Optimization** [DDH84, GMPW79, LtW88, Maa89, Met82, Met85b, Mon89a, MGH81b, MGH81a, Pem83, TvSS82, CKT85, Osy84, Sim88a, Zho89, Wil87b]. **Optimizations** [PW86]. **Optimized** [TWI88, Sch89a]. **Optimizer** [GMW86, JT88]. **Optimizing** [BGS82, JH86, Sch89b, GF89, Mic87d, Mic87f, Mic87e, Mic87a, Mic87b, Mic87c, Mic88, Mic89c, RG85, WM85b]. **option** [LD87]. **Optional** [GF81, FCG83, Gre88]. **options** [ZGK88]. **Orbit** [AB89]. **Order** [Cas89a, Cas89b, Hig91, Bru86, Col84b, Wil83]. **Ordering** [FW82, Ste76]. **Ordinary** [Cas89a, Cas89b, CC82, Gaf84, Hig91, LK88]. **Ordinateurs** [Don84c]. **ore** [Lag85, Mul85]. **oreand** [PF85]. **OREDIT** [ZDS81b]. **Oregon** [Gon89]. **ORGТ** [Tho84e]. **orientation** [Tho84e]. **oriented** [Cal86, Gol81, RW89, Sav87, Tea81, Pou87]. **orientierettes** [Dah81]. **Orlando** [IEE88b, ML88]. **ORSIM2** [HPB82]. **orthant** [Sun88a]. **Orthogonal** [HPB82]. **OS/VS** [Int82f]. **oscillating** [Wal85]. **Oscillatory** [Gaf84]. **Oslo** [VV86]. **osnoveFortrana** [HPR81]. **osnovy** [BKL89]. **Other** [GPHL90, Rao82, Bod87, Guz88, GPHL88, Rao81b]. **outil** [TR84]. **Outline** [KC84b]. **Output** [TWI88, Whi81a, Whi81b, HPB84, LCH<sup>+</sup>88, Mei89b, Moo81, Moo83, Mul83, OO86, WH87, Wil87a]. **outputs** [Sim88b]. **over-relaxation** [PJ84]. **Overall** [PLR85]. **Overdetermined** [Abd80]. **overlap** [AM89a]. **Overview** [Rud83, ABC<sup>+</sup>88, Cha87a, Tei86]. **Oxford** [Nad86, Pet87]. **oyo** [Ton82].

**p** [Ano82c, BG82, BGCS82, Nad86]. **p-system** [Ano82c, BG82, BGCS82]. **P.D.Q.** [Boy85a, Boy85b, Boy89b]. **paced** [EGP81]. **pack** [McC81, Chu88]. **Package** [Bre78b, Bre78a, Bre79, BHY80, BW89, Chu88, DM84, DS84, GGLM88, GL90, GHM<sup>+</sup>86, GKRY82, KGRY81, KRYG82b, KRYG82c, KRYG82a, KRYG82d, Maa89, Mar82b, Mar84b, PP82a, Rei84b, WLO76, AI88, AEL<sup>+</sup>86, CR84, Dun85a, Gil86, Gre88, Har86b, Int82f, IA84, JK83, KWM88, Kee88a, KJM89, LOU86, PP82b, PRL<sup>+</sup>85, PP85, Rei84a, Sul2, Pie85]. **Packages**

[Arn82, DFK83a, DFK83b, DFK88, EP87a, EP89, Rag86, DFK81, Num88a, ZGK88].  
**Packard** [Pol83]. **packing** [She89b]. **PAGE** [AEV89, dEV89]. **PAGE-AHEAD** [AEV89, dEV89]. **pages** [Cou85a, Cou85b, Edm86, RB82, Wil87b].  
**Painters** [Kre86a, Kre86b].  
**Paketvermittlung** [Hof84].  
**Paketzerlegung** [Hof84]. **PAM** [ALPC88].  
**PAM-CRASH** [ALPC88]. **paper** [Joh84].  
**Papers** [Smi84, Hor83b]. **parabolic** [Som86]. **paraboloid** [Hsi83]. **Parallel** [AK82, AK85, Ana87, Ano88a, ASM89, AE87b, AE87a, Ber88a, Car89a, Cul88, DM85, DS86b, DS87b, ET86, DBFK89, Gre86, GWM88, GL86, GPHL90, HL82c, HO89, Hus84, JGD87, KS81c, Kow85, Mel88, Per87, Pra85, Ric84, RV8 , SAB88, Utt89, Wri89, ??88, Dha88, AK81, AP87, AE88, BKK<sup>+</sup>89, BH89, BDS89, CC87, DS86a, DH84b, DS87a, FSO89, FJS85, GSZ88, Guz88, GPHL88, HMB<sup>+</sup>88, Int86a, Jor86, KB88, May89, McD89, PC89, PW84, PRWB89, Pol87, Roy88, RW89, Sne88, Sto85c, TPS<sup>+</sup>88, WG84, Wee86, YHKM89, HS81]. **Parallele** [KS81c]. **Paralleles** [Abs88]. **Parallelism** [FN85, Kar86, Kar87c, Rei87a, BK89, Ber88b, BCF<sup>+</sup>88, Jes82, Sto85c].  
**Parallelization** [Har89, AJ88, BDR87, ZBG88].  
**Parallelizations** [TFI86]. **parallelized** [PJ84]. **parallelizing** [KK89b, Smi88d].  
**Parallelstruktur** [HS81]. **parameter** [Don83c, Mai81a, Mai81b, Szy87].  
**Parameters** [Cod88, Moo85a]. **parametric** [Fra84a, KP86]. **ParaScope** [BKK<sup>+</sup>89].  
**Parent** [Jia86]. **parentheses** [Uni83a].  
**PARFOR** [Abs88, Ber88a]. **Paris** [Ass86, Rei89c]. **parity** [SDH84]. **parler** [Ain89]. **Parser** [DDH84]. **Parsing** [HT82].  
**Part** [Bur84c, Chi85a, EA87, IEC88, ISO88, She89b, Lag85, Mul85, PF85, SPS84, Sav87, Goo89]. **Partial** [Mei89b, She78, Ste79, SS79, Ada89, Bar89, GtTB89, ISJ85, Pet89].  
**Partial-record** [Mei89b]. **particle** [GH87].  
**particles** [GDK89]. **parts** [Smi85a]. **Pascal** [Kur85, Mil87b, Wic89, Fog85, Fog87, Fog88, JBT83, Ker82, Pay84a, Pay84b, PA84, Res86, Rel89c, Smi81, Smi83a, Ber82a, Cas81, Cul88, Don81, Fre81, GMW86, Ler83, Mil87a, PD81, PA83, Sch82a, Sun84, Ter87, WS84].  
**pass** [JT88]. **Passing** [SP87]. **PAT** [ASM89, Smi88d]. **path** [Uni88]. **paths** [HM82]. **Pattern** [Ass86, Hsi83]. **Patterns** [BDS88b, BDS88a, BDS88c, ZGS89, vM84e].  
**Paul** [Wex87]. **PC** [RMFG85, Ano87a, CW85, CW88, Cla86b, Cla86c, DW85, Fuo86a, HRC89, HK87a, HK87b, Wor84a, LB86, Pee84a, Ser89, Div85, Wor84b, WB89, ZGK88, Cla86a].  
**PC-BLAS** [HK87a, HK87b]. **PC-Portable** [Cla86b, Cla86c, Cla86a]. **PC50** [Num83c, Num84d]. **PCFORT** [CCN<sup>+</sup>79].  
**Pcode** [CCN<sup>+</sup>79]. **PCs** [Lah88b, Lah88c].  
**PD77230** [ZGK88]. **PDE** [Pet89]. **PDEs** [Lio85, Som86, dZ86]. **PDFIND** [Cra86a].  
**PDP** [AEL<sup>+</sup>86, Cla89, Hue83, Mic83].  
**PDP-11** [AEL<sup>+</sup>86, Cla89, Hue83, Mic83].  
**PDQ** [Boy89a]. **Peak** [LS87, Tho84c].  
**Peephole** [Pem83, TvSS82]. **percentage** [YK88]. **Performance** [AGS88, Arn82, BD89, CT86b, Cro87a, Cro87b, DM89a, Don83b, Don84a, Don84d, Don84b, Don85a, Don85b, DD86, Don87a, Don87b, Don88b, Don88c, Don89, Gaf84, Gal89, GE85, LS88, MC82, vdV85b, vdV86, vdV85a, Ano89, Bai87, BW87a, Bli89, Bow82, Chi85b, CT88, CT86a, DDDG89, DSCP88, KRW88, Kip82, Lee85, LS87, LR89, MMM85, McM86, Sor84, hTD88, WSL88, Wat87, van86].  
**Performances** [Don84c]. **period** [Gui88].  
**Perkins** [Mil82b]. **permutations** [Wil83].  
**Personal** [BW87a, CSD83, CDW83a, CDW83b, HRC87, McG87a, RG85, RB83, Rou83, BNZ87, Gui87, IBM89b, Jus88, Kir85, Lah87b, Lah88b, Lah88c, Lah88d, McG87b, Mul88, Num84d]. **perspective**

[Ott81]. **Perspectives** [Sch88b].  
**perturbation** [kK89c]. **petroleum** [Hig86].  
**PFC** [AK81, AK82]. **phase**  
[Alb86, BDS84, KWM88, Kee88a, LKM88].  
**phases** [KD84a, KD84b]. **Photo** [KTW84].  
**photoelectron** [Abe89]. **photometry**  
[Moo85a]. **photomicrography** [PRL<sup>+</sup>85].  
**photon** [BSdT87]. **physcs** [GH87].  
**Physics** [Vor89, BZ85, KM89].  
**physiological** [PM87]. **piecewise** [Tod85].  
**piecewise-linear** [Tod85]. **Pioneer** [AW82].  
**Pipeline** [HG82b, CT88, MR86, Owe86].  
**pipelined** [Sor84]. **Pisces** [Pra85].  
**PITMAN** [Dal88a]. **Pivoting** [She78]. **PL**  
[Ber82a, Bin85, Bro81b, Bro83a, Ell82a,  
Ell82b, Fog85, Fog87, Fog88, Int82f, Kur85,  
Res86, Rel89c, Rel89a, Sch82a, Bro84b]. **Pl-I**  
[Bro84b]. **PL/1**  
[Ber82a, Fog85, Fog87, Fog88, Res86]. **PL/I**  
[Bin85, Bro81b, Bro83a, Ell82a, Ell82b,  
Int82f, Kur85, Rel89c, Rel89a, Sch82a]. **PLA**  
[YM85]. **Placement** [GM83]. **PLALGO**  
[Tod85]. **PLAN** [CY89]. **PLAN-I** [CY89].  
**planar** [Bai89, Per81]. **planar-structural**  
[Per81]. **Plane** [Ren84, RO85, RO86].  
**planes** [Sav87]. **planewise** [HM81, HM84].  
**Planning** [Nor84]. **planting** [Art81].  
**Plasma** [MHK86]. **Plasticating**  
[Rao86a, Rao86b]. **PLATO**  
[Joh84, MSM84]. **Plattsum** [HM81, HM84].  
**PLEX** [SAS86]. **Plod** [ACG<sup>+</sup>88]. **plot**  
[Col82, Cza83, Joh81, LZ82, O'N81, ZSD82a,  
ZSD82b]. **PLOT79** [BR89a]. **Plotting**  
[AL81b, AL81a, Boy84a, Nag81a, Nag85].  
**PLTSYM** [ZSD82b]. **PLUS**  
[Ano82a, Kri83, Ehi82, Alp83]. **Pocket**  
[Pag84, Rid82b, Rid82c, Dig85d, Pag83,  
Rid82a, Tan83a, Tan85a]. **podstawy**  
[Rzy84]. **Poincaré** [Ril83]. **Point**  
[Cro87a, Fat82a, Fat82b, Kaw84, Sch81a,  
Ack84, Cro87b, Dav86, PJ84, Tho84a,  
Wic89, ZGK88]. **Pointer** [SM87, Mei88].  
**Points** [Ren84, Tho84c, YK88]. **Poisson**  
[HK83]. **polarization** [Ber84a].  
**polarization-modulation** [Ber84a]. **Polish**  
[BS81g]. **Polycyclic** [hTDT88]. **Polygon**  
[CY89]. **polyhedra** [Ril83]. **polymer**  
[Chi88, Rao81a, Rao83]. **Polynomial**  
[Sau83b, Sau83c, Sau83a]. **Polynomials**  
[HMR85a, HMR85b]. **poor** [Sas81].  
**populations** [Mar81, PS82, PS83]. **port**  
[hTDT88]. **Portability**  
[Air77, HWS<sup>+</sup>88, Lar81]. **Portable**  
[Amo83a, Amo83b, Bee82, Blu78, DDH84,  
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Bur86b, DS87a, FW83b, Gui88, Hil82a,  
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**Praxis** [BB86]. **pre** [BK88, Sus86].  
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- [Dig83]. **premature** [Not89]. **premixed** [Kee88b]. **Preprocessor** [CBS81, CB82, KK89a, BH85, Ell81b, Gui81, Roy88, Sto85a, Sto85b, Wal81].  
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CF85, CHPS85, Col84b, FE82, Int82f, IZP81, IA89, KP86, Pee84b, Pee84c, Pee84d, Pee85d, Pee85e, Pee86, Pee89, Sch86, Sun88a, TU81, Vu 89]. **Subroutines** [AC86, CGM84b, CGM84a, CGM85a, DM87b, DM87a, DR82, EK87b, EK87a, FW82, Gaf84, GN89, Hop81, IEC81, MGH81b, MGH81a, Mor81b, Mor90, Mor93, PCK84, SR86, Ste76, Van82, VVV89b, VVV89a, Alb86, Ano84, CGM85b, Dun85a, IMS84, IMS87a, Lib87, IMS87c, IMS87b, IMS87d, IMS87g, IMS87e, IMS87f, IMS87j, IMS87h, IMS87i, IMS87l, IMS87m, IMS87k, IMS87n, IMS89a, IMS89b, IMS89c, Lib89a, IMS89d, IMS89e, IMS89f, IMS89g, Lib89c, Lib89b, IMS89h, IMS89m, IMS89i, IMS89j, IMS89k, IMS89l, IMS89n, Joh87b, Joh87c, Num88d, Pee85a, Pee85b, Pee85c, RV89, SC83, TSU88, Uni82b, Uni85a, Uni84d, Uni84e, Uni88, Dod83]. **Subset** [Dur83b, Par86a, Par86b, Rom81]. **subsonic** [Wal85]. **Subspaces** [PCK84, Van82]. **successive** [PJ84]. **Successors** [Ros84]. **sugar** [PM87]. **suggestions** [Dun85b]. **suite** [CDL88, Kip82, Nag85]. **sum** [Bar89]. **Sumador** [RL81]. **SUMLIST** [Kle89b, Kle89a]. **summarizing** [BK89]. **Summary** [AW89, Mei89c, Dig82d, Dig84g, Dun85b, Fed81, Gri82, Int82d, IBM85, Int88p, Kle89b, Kle89a, Sof83a]. **summation** [HM81, HM84]. **Summer** [Sof83b, Sof84]. **sums** [HM81, HM84]. **Sun** [Sun88b, GMW86]. **SunINGRES** [Sun87]. **super** [Hey85]. **super-mini** [Hey85]. **SUPERB** [ZBG88]. **Supercomputer** [Kow85, PZA86, Wat87]. **Supercomputers** [Hwa84, LW88a, LW89, PW86, ZM86, RS89, hTDT88]. **Supercomputing** [ACM89b, IEE88b, ML88, Car89a]. **Supermap** [Gue86]. **Supervector** [MMM85]. **supplement** [HF81, Int83g, Num81, Num85a, Nag81a, Nag85, Tan85b, Tri89]. **Support** [MBP<sup>+</sup>85b, Lee85, MBP<sup>+</sup>85a]. **supporting** [Ber88b]. **suppression** [Col82]. **Suprenum** [Sol89]. **Suprenum-Fortran** [Sol89]. **surface** [Ano87a, BDJ<sup>+</sup>89, Gra84b, Gre88, NM85]. **surface-level** [Gra84b]. **surfaces** [FS86a, Wal85]. **survey** [EIT85]. **Surveys** [MF84]. **survival** [CCHT89, Mul88]. **Survive** [Ros84]. **susceptibility** [vM84b]. **SVDTJP** [dR87]. **SX** [LtW88, Wat87]. **SX-2** [LtW88]. **Sylvester** [KW87b, KW87a]. **symbol** [SL82, ZSD82b]. **Symbolic** [ACM89a, AB89, CV88a, DR86, Gia89, Gon89, Her88, Red86, RT85, Vor89, Wan85, AM89b, DFD81, DFD84, Fra84a, Hil82a, Hil82b, Pet88, VC89, Wan86]. **Symbolics** [Sym88]. **symbols** [BT83]. **Symmetric** [CL83, Cra86a, DR82, HPB82, CHPS85, MT84a, MW84a, SPS84]. **Symposium** [ACM89a, Ano88b, Gia89, Gon89, IEE81, KM83, RW86, POP82, ACM82, ACM84, ACM87, Wex87, Van84a]. **Synchronization** [FJS85]. **Synchrotron** [GKKY89]. **Syntax** [BS86a, Bro82a, Can81, Ell81b, Tay84]. **synthesis** [Gin82, She89b, Van84c, Van85]. **Synthetic** [Tha89a, Tha89b]. **System** [Ame85d, AKLS88, Bur84c, DNV81, DM85, Fon85, GBJ81, HS81, Int83b, Int86b, IBM89b, IEC88, ISO88, KBRM<sup>+</sup>86, MBP<sup>+</sup>85b, Miz83, Rud83, Ame85a, Ack84, ABC<sup>+</sup>88, Ano82c, Ant81, BG82, BGCS82, BR89a, BJ81a, BJ81b, BJ84a, BJ84b, Bur85b, Con83a, Con85a, CGQS89, CDW82, CDW84, Cre89, Dob85, DJM87, Dun85b, Fed82a, Gic88, Gui81, Gul86, Hew85, Hig86, Hue83, Int83g, Int86c, Int88c, IBM88, Int88d, IMS82, Lib84a, Lib84b, Int88q, Ame85b, Jac85b, Jac85a, JC82, Joh85b, KS81b, KS81a, KRW88, Lah88b, Lah88c, Le83, Lee85, MBP<sup>+</sup>85a, Mic84c, Mic85c, Mic85b, Mic87c, MSG86, Nag81a, Obl85, OO86, Ols83, Owe87, Pay84a, Pay84b, Pet89, Rom81, Sch82b, Tan81a, Tan82, Int88r, VLV<sup>+</sup>86, Wan86, Wat87, YHKM89, ZSD82a, ZSD82b, Ame85c, ACG<sup>+</sup>86,

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- unabhaengige** [Sto84a, Sto84b].
- UNAERO** [Dun85a]. **Unconstrained** [MGH81b, MGH81a]. **Understanding** [Boi81, BW84, Boi84, Boi85, BW87b, Boi87, DBFK89, Lud81, WB85]. **unfolding** [YHKM89]. **ungaged** [Uni81a]. **UNICOS** [Cra89b]. **Uniform** [Gui89, MR83, DZ88, Gui88]. **Uniformly**

[PLR85]. **Unimate** [Fra84b]. **unimodal** [MT84a]. **Uniprocessor** [Cal86]. **Unit** [CHH81, CHH83, Sch81a, Lag85, Min88, Mul85, PF85]. **UNIVAC** [SDC82]. **univariate** [TSU88, TFH86, Wal3]. **University** [IEE81, Pie85, Lee85]. **UNIX** [Ber85a, Cod89, Pay84a, Pay84b, Uni82b]. **Unordered** [MP86a, MP86c, MP86b]. **unsteady** [Dun85a, Wal85]. **Untersuchung** [RAKK88, San82]. **Unusual** [DR86]. **Update** [FCG83, KKK89, Hof87, Jac85b, Kir89]. **Updating** [Buc81a, Buc81b, Buc81c, Buc82]. **Upper** [FW82, Ste76]. **Uranium** [LZ82]. **uravnenii** [Sko88]. **uravneniia** [Sko88]. **Urbana** [Rei89c]. **Ure** [PFF83]. **USA** [Wri89, Sof84]. **Usage** [DG82, Dod83, HK87a, HK87b, LHKK79a, LHKK79b, LN88b, LN88a, Con83c, Con84, Con85b, Con85d, Con86, Con87c, Con87a, Con87b, Con88a, LN87, Ols83, Wie82]. **usager** [TR84]. **Use** [GSZ88, Gol82b, LO85a, LO85b, BK89, Con83a, Con85a, Col82, Hos88, Int86c, IS84a, IS84b, Nag81a, Nag85, RW85, SL82, Sul88, VC89]. **used** [Per81]. **useful** [RH84b, TMS88a, TMS88b]. **USENIX** [Sof83b, Sof84, Usr82]. **User** [AHU81, Ano84, ADP88, BMS84, Bre81, Bri84, Sof87, Dig85b, Den82, DPA87, GRB88, Gic88, GHM<sup>+</sup>86, Gil86, Hua82, IMS82, Lib84a, IMS84, IMS87n, IMS89h, IMS89m, IMS89i, IMS89j, IMS89k, IMS89l, IMS89n, Kle89b, Kle89a, MSG86, Obl85, RMS82, Sym85, Sym86, Sym88, TMJC81, Tew81, Uni84a, Uni84b, Uni81a, VMS81, Zho89, AD84, Ano82b, Ano85c, Ano87c, Apo83, Bur85b, Con81a, Con82a, Con82c, CB86, CBS81, CB82, CDW83a, CDW83b, DW85, Dig82e, Dig84h, Dig84i, Dig86c, Dig88c, DW83b, Dir84, Fed82b, Fed82a, GC84, Gue86, Int88c, Lib84b, Lib87, IMS87c, IMS87b, IMS87d, IMS87g, IMS87j, IMS87l, IMS87m, IMS89c, IMS89e, IMS89g, IS84a, IS84b, ISJ85, Int84a, Int85a, Mar81, Mic84c, Mic85c, Mic87f, Nor83, Rel83, Rel86, Rel88, Rel89b, Tho81, Tho82a, Uni83c, Uni84c, Uni86b, Uni84d]. **user-interface** [Nor83]. **Users** [Usr82, Ber85a, Int84b, Iwa84]. **Usersin** [Nor83]. **Using** [AG87c, AEV89, Bar89, Cod89, CC82, DAG<sup>+</sup>88, Don84a, Don84d, Don85a, Don87b, Don88b, Don89, GY82, Gre86, Gro83, HG83, McK85b, Mos88, Rei87a, Ros87, Sch82d, Sch88a, SP84a, SW83, SR84b, SR86, TvSS82, dEV89, Ack84, AM89a, AG87a, AG87b, CK86a, Don83b, Don84b, Don85b, Don87a, Don88c, DS82, GS81, Gra84b, Gro89, Hig86, HP88, HPR81, Kem87, LW88b, Rod87, Num84d, Red86, SH88, Sch88b, SP85a, SP85b, Sul2, Tan81a, Tan82, Tat87, Tur86, VSH83, Wat86, Wie86a, Wie86b, Pem83]. **USSAERO** [Wie86a, Wie86b]. **USU** [Gic88]. **Utah** [Sof84, Ket85b, Ket84, Ket85a]. **utilisation** [Ano85b]. **utilities** [Int85b, Mic87e, Pee85a, Pee85b, Pee85c]. **utility** [BS86c, CR84, GC84, Mai87]. **utilization** [CT88]. **V** [Fra84a, Lav83, Lig82a, Lig82b, Lig84, Lig85a, MSG86, SPS84, Tho86a]. **V1.1** [Pre87a]. **V2.5.3** [Cod86b]. **V3.0** [Dig82f]. **V4.1** [Dig84j]. **Validation** [BSP83, How82, Sof83a, Tho86a, Fed81, Fed82a]. **Valley** [MF84]. **valleys** [SPS84]. **Value** [Cas89a, Cas89b, EP87a, EP89, Hig91, CR84]. **Variable** [SP82, Dav86, Gra86b, PM87, RMS82]. **variable-magnetization** [Gra86b]. **Variables** [Maa89]. **Varian** [Moo81, Moo83]. **Variates** [HPB82]. **VARIATM** [LN89]. **varied** [BMS84]. **variety** [Alc82, BT83]. **Various** [Don84a, Don84d, Don85a, Don87b, Don88b, Don89, Don83b, Don84b, Don85b, Don87a, Don88c, ZGK88]. **VARMAG** [Gra86b]. **VAST** [Bro82a, LCH<sup>+</sup>88]. **VAST-2** [LCH<sup>+</sup>88]. **VAX** [Fed81, Ano87c, Ber85a,

Cal85, Chi85a, Dig82a, Dig82b, Dig82d, Dig82c, Dig82e, Dig82f, Dig84a, Dig84d, Dig84f, Dig84e, Dig84g, Dig84h, Dig84i, Dig84j, Dig85a, Dig85c, Dig85d, Dig86b, Dig86c, Dig86a, Dig86d, Dig88b, Dig88a, Dig88c, Dun85b, Gre88, hHtM81, Joh87b, Joh87c, JC88, JC89, Kle89b, Kle89a, Mid84, Moo81, Moo83, Sul88, sT85, Uni88, Wat86, Wei86a, Wei86b, Wei89b, Wie82]. **VAX-11** [Dig82a, Dig82b, Dig82d, Dig82c, Dig82e, Dig82f, Dig84e, Dig88a, Sul88, sT85, Wie82]. **VAX-11/** [sT85]. **VAX-II** [Fed81]. **VAX-VMS** [hHtM81]. **VAX.** [Ano85b]. **VAX/VMS** [Dig84a, Dig86d, Gre88, Joh87b, Joh87c, JC88, JC89, Moo81, Moo83]. **VAXELN** [Dig85e]. **VAXIMA** [SR84b]. **VE** [Con83c, Con84, Con85b, Con85d, Con85c, Con86, Con87c, Con87a, Con87b, Con88a]. **Vector** [ACG<sup>+</sup>86, AK87, Ano88a, Blu78, CT86b, DD86, GPHL90, LS85, LS88, MS88a, Pet83, Ric84, Riz85, vdV86, ZM86, BK88, Bro82a, CT88, CMM<sup>+</sup>88, CT86a, GF89, GSZ88, Guz88, GPHL88, Int86a, Lec89, LS87, LCH<sup>+</sup>88, MMM85, RRS88, RS87, Sch89a, Sor84, Swa84, hTDT88, VSH83, VH87, van86, AC86, RV89]. **vectorizable** [hTD88]. **Vectorization** [Bos88, VSH83, AJ88]. **Vectorized** [GDK89, Col89a, Col89b, VH87]. **Vectorizer** [Arn82]. **Vectorizing** [ACK86a, CDL88, EBS88, NE89, ACK86b, SK86]. **vegetation** [Mal85]. **Vektorisieren** [MW83]. **vented** [WP84]. **Verbindungslisten** [Wie85]. **Vergleich** [Hof84, Hah81]. **Vergleichende** [San82]. **verification** [KS88, Tho86a, Var85]. **versatile** [Nag85]. **Version** [Ano85b, Ber84b, Con81b, Con88a, Cod86a, HV83, Int87f, Int88i, Int88j, Int88k, Int88l, Int88m, Int88n, Int88o, Int88p, IBM89a, Int89c, MS84b, PFTV86, Sch84c, Sch84d, Sch84e, Sch84b, Sch87a, (??87, AI88, And89, BGCS82, Bru86, Con81a, Con82b, Con82c, Con83a, Con83b, Con83d, Con85a, CBS81, CB82, Dig85b, Doe88, Fed81, GRB88, Gic88, GHM<sup>+</sup>86, Gil86, Gre88, HL82b, Hua82, Hud88a, Hud88b, Int86e, Int86f, Int86g, Int87c, Int87d, Int87e, Int87g, Int87h, Int87i, Int88e, Int88f, Int88h, Int89a, Int89b, Int89d, Int89e, IBM89b, KM89, LB89, LOU86, Met89a, Mai87, Mon82a, Mon82b, MT84b, NM85, NJLB81, Sch87b, SDC82, (??84, Tri84, Tri89, TR84, Uni83b, Van85, Wie86a, Wie86b, Zho89, Obl85]. **versus** [Joh84]. **vertical** [HS86, The88]. **very** [Gui88, Jan84]. **Vespan** [Mal85]. **VF** [ALPC88]. **VI.1** [Num85c]. **viable** [LD87]. **vibration** [Jam86a, Jam86b]. **vibrational** [Kie86]. **vicinity** [Tho84a]. **video** [Gri85]. **VII** [Sav87]. **Vindicated** [KTW84]. **Virtual** [IBM88, Int88d, Con83a, Con85a]. **viscosities** [KWM88]. **Visionaries** [Tay86]. **VM** [Ber89, DW83b, Hew85, Int82e, Int85b, Int88b, Sto85a, Sto85b, Uni83c, Uni84c, Uni86b]. **VM/** [Int82e]. **VM/370** [Int85b]. **VM/370-III** [Int85b]. **VM/CMS** [Ber89, Uni83c, Uni84c, Uni86b]. **VM/EPEX** [Sto85a, Sto85b]. **VM/SP** [DW83b]. **VM/XA** [Int88b]. **VM/XA-SP** [Int88b]. **VME** [Uni87]. **VMS** [Ano87c, Dig84a, Dig86d, Gre88, hHtM81, Joh87b, Joh87c, JC88, JC89, Moo81, Moo83, TR84, Uni88, Wat86]. **volnovykh** [BZ85]. **Volterra** [Bow82, BA85b, BA85c, BA85a]. **Volume** [Coc83, Owe87, Riz85]. **Vortex** [HL82b]. **Voruebersetzer** [Kal85a]. **vous** [Ain89]. **VP** [MMM85]. **VP-100** [MMM85]. **VP-100/200** [MMM85]. **VS** [Int88a, Int88c, Pag87, hTDT88, Ano82d, Dat84, Int81b, Int81c, Int81d, Int82f, Int82g, Int82h, Int82i, Int82j, Int83d, Int83e, Int83f, Int83g, Int83h, Int83i, Int84c, Int84d, IBM85, Int85c, Int85d, Int85e, Int85f, Int85g, Int85h, Int85i, Int86d, Int86e, Int86f, Int86g, Int87c, Int87d, Int87e, Int87f, Int87g, Int87h, Int87i, Int88e, Int88f, Int88h, Int88g, Int88i, Int88j, Int88k, Int88l, Int88m, Int88n, Int88o, Int88p, Int89a, Int89b, IBM89a, Int89c, Int89d, Int89e,

IBM89b, Kir89, LS87, LS88, Sof83a, Wan84]. **VSPC** [Har86b]. **VX** [Ess88].

**W** [Mil82b, Rzy84]. **WADA1** [And89]. **Waerme** [RS82]. **wakes** [HL82a]. **Walsh** [NEM84]. **Walsh-Transformation** [NEM84]. **WATCOM** [CDW83a, CDW83b, DW85, DW83a, DW83b, DW84, Dir84]. **WATEQ2** [BNZ87]. **WATEQ4F** [BNZ87]. **water** [BMS84, KD84a, KD84b, KWWK86, RMS82]. **Waterloo** [CDW83b, Dir81]. **watersheds** [Uni81a]. **Watfiv** [Ett84b, McK85a, AM84, BS81d, DH82, DH83, DH84a, Ett85, FK82, KS82b, Mer85, Moo85b, Sas83a, Sas83b, Sin81, Tel82, BGG86, MM81]. **WATFIV-S** [DH82, DH83, DH84a, BGG86]. **WATFOR** [BS81d, DH82, DH83, DH84a, KS82b, Ler83]. **WATFOR/WATFIV** [KS82b]. **Watson** [KM83]. **Wave** [EW87, And89, BZ85, LW88b, ZGS89]. **Wave-Current** [EW87]. **wave-propagation** [LW88b]. **wavefront** [Slo88]. **waveguide** [Bai89]. **waveguide-fed** [Bai89]. **waves** [Tho81, Tho82a]. **Way** [LP85b, Dal88b, LP85a]. **weakness** [Sav87]. **Weeks** [GGLM88, GL90]. **Weibull** [Szy87]. **Weights** [EK87b, EK87a]. **Weirel** [Joh85b]. **Weiterentwicklung** [Ull84]. **Well** [BBF<sup>+</sup>82, BT83, Gla88, Hig86, WD81a, WD81b]. **well-stirred** [Gla88]. **WELLMAP** [BT83]. **Wesley** [Cou85a, Rid82a]. **WG** [Wri89]. **WG5** [Rei89c]. **WHCS** [WD81a, WD81b]. **Where** [WM85b]. **whether** [Bur86a]. **white** [Fra84a]. **who** [Bro81b]. **Whole** [AL81b, AL81a]. **Whole-Rock** [AL81b, AL81a]. **width** [LKM88]. **WIENER** [Chu88]. **Wigner** [AD84]. **WILDMAP** [Boy84a]. **Wiley** [Edm86]. **window** [Owe87]. **Wise** [Per83a, Sho85]. **without** [MMM85]. **WITS** [Ler83]. **wolli** [mK84]. **work** [Wag84]. **Workbook** [CM84b, SFKS81, Wor84b, RWA84, Rod84, CM84b, SFKS81, Wor84b, RWA84, Rod84, CM84b, SFKS81, Wor84b, RWA84, Rod84]. **WAD81]. **Working** [Int86c, Wri89]. **Workstation** [Whi89, RMFG85, Sun84, Sun85]. **Workstations** [Wan85]. **World** [ML87, VV86]. **Write** [SR84b, SR86, AS89a, AS89b]. **writer** [Bar84]. **writeups** [FE82]. **Writing** [Ano88c, Oni85, Smi85c, Smi88c, Int86a]. **Written** [BP81a, BP81b, LB86]. **Wsing** [McK85a]. **WY** [Rei89c].**

**X** [Abe89, AGS88, Hoc85, JL81a, JL81b, MT84b, RS85, hTD88, TPR85, Tem89a, Tem89b, Tho84e, ZM86, vM84f]. **X-MP** [AGS88, Hoc85, RS85, hTD88, Tem89a, Tem89b, ZM86]. **X-MP/24** [AGS88]. **X-ray** [Abe89, MT84b, Tho84e, JL81b, JL81a, TPR85, vM84f]. **X.25** [And84b]. **X3.124** [Ame85d]. **X3.124-1985** [Ame85d]. **X3.9** [AC87, Ame87b, Ano82a, Com89, AC87, Com89, Ehi82]. **X3.9-** [Ehi82]. **X3.9-1978** [Ano82a, AC87, Com89]. **X3.9-198X** [AC87, Com89]. **X3J3** [BBB<sup>+</sup>83, Rei89c, Ame87d, Mei89d, Rei87b, Rei87d, Rei87c, Rei87e, Rei89c]. **X3J3-Meetings** [BBB<sup>+</sup>83]. **XA-SP** [Int88b]. **XERROR** [JK83]. **xii** [Nad86]. **XRDPPLT** [JL81a, JL81b]. **XREF** [TR84]. **XSRAIN** [Uni81a]. **XT** [Fuo86a, Joh86].

**yen** [Cha83, mCaLjH84, hH82, sKcH81, iL82, fS82, fTBcL7, cT81, cTcT84, mT82b, yW85]. **Yes** [McG84]. **yin** [LcY83]. **yonsup** [hYsA82]. **Yorktown** [DO86]. **Yourself** [Rad81, Rad83b]. **yu** [Cha83, mCaLjH84, CwL83, hH82, sKcH81, iL82, fS82, fTBcL7, cT81, cTcT84, mT82b, yW85]. **yung** [Cha83, hH82, RkC84].

**Z** [Ass83b, Kah80]. **Z80** [Hei83]. **Z80-cpu** [Hei83]. **zadach** [BZ85, Sko88]. **zeit-diskreten** [Hel85b]. **zero** [Alb86]. **zero-phase** [Alb86]. **zitureisyu** [SS84]. **zone** [SP84b, SP84c]. **zur** [CLW81, Dah81,

EmR84, Fis82, Hel85b, Hof84, Kna84, Mey84, RAKK88, RS82, San82, Sch84f, Sch87c, Ste87, Wie85]. **zusammenhängende** [KS81c]. **Zweier** [Hof84].

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