

# A Complete Bibliography of Publications in *Mathematics of Computation*, 1990–1999

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## Title word cross-reference

**#2945** [Tho94]. **#3506** [Köl97e]. **#8373** [BW96].

$(0, \infty)$  [MM95].  $(2, 1)$  [BPv94].  $(2, 3)$  [Sel99].  $(4, 2)$  [Sel99].  $(6, 1)$  [Sel99].  $(div)$  [AFW97].  $(i, 1)$  [Cos91].  $(Mod2)$  [BBG91].  $(t = 3, 5)$  [KM91].  $-2$  [BN92].  $0$  [Zag93].  $1$  [Cop90, CS99, Kvæ90, Lan96, YR92, Zag93].  $1.4778 \dots$  [WW97].  $10$  [Sou94].  $10000$  [Sho99].  $10^{10}$  [MM91].  $10^{10,000,000}$  [SW94].  $10^{12}$  [Jae90].  $10^{14}$  [Bre97].  $10^{15}$  [Pin93a].  $10^{20}$  [Sao98].  $10^6$  [HC98].  $125\,000$  [EM91].  $150\,000$  [EM91].  $16$  [San92].  $19$  [CMS92a, DD93].  $1^k + \dots + (x-1)^k = x^k$  [MTU94].  $2$  [BH94b, BC98, Che94b, Göt94, HS92, KS93a, Lab98, LS94, Lou95, Pea96, Sch93c, SW90, vW99].  $22$  [KS93a].  $25$  [Dui94].  $26$  [Dui96b].  $27$  [CMM92b].  $2^\beta$  [Fis90].  $2 \cdot 3 \cdot 5 \dots p \pm 1$  [Cal95].  $2 \times 1$  [Dui94, Dui96b].  $3$  [CHW99, Coh98, Dui96a, Dur99, His94, vv93b].

$3x+1$  [AL95a, AL95b, Oli99].  $4$  [RI96].  $43$  [ESA94].  $471,600,000$  [KW90].  $49$  [CD98].  $4 \cdot 10^{11}$  [Sin93].  $5$  [Gol91b, VZ95, Wag96a].  $6$  [Boy96b, Wag96a].  $7$  [Wag96a].  $8$  [LJ96a, Sou94].  $84$  [GGM98].  $9$  [Fuj93, Tak94].  $[-1, 1]$  [Pin99].  ${}_3F_2$  [LGRA94].  $a^{p-1} \equiv 1 \pmod{p^2}$  [Mon93].  $abc$  [BB94c].  $B$  [DMS92, Li94b].  $B_2$  [Lin98, Zha93b, Zha94].  $\beta \simeq 32$  [Fis90].  $\beta \simeq 48$  [Fis90].  $\text{mod}2$  [BBG90].  $\text{mod}p$  [Rob93].  $BV(\Omega)$  [Coc91].  $C^1$  [CH96, CH90b].  $C^2$  [FT91].  $C^n$  [LW96a].  $C^r$  [DM98].  $d$  [EL96].  $D > -10^6$  [FW90b, FW94].  $d^{(1)}$  [Sid95].  $d^3/dx^3$  [GASS91].  $d_2$  [GL98a].  $E_6^*$  [Gec93].  $\epsilon$  [FMOS98].  $\mathbf{F}_{2^m}$  [MVZ93].  $F_6$  [Wil93].  $G(2)$  [Phi95b].  $g(k)$  [DD90, SW92].  $G_2(q)$  [HS92].  $\Gamma$  [BF92].  $\Gamma(2)$  [Phi95a].  $\Gamma_2(2, 4, 8)$  [vv93b].  $GF(2)$  [KM91, Cop94].  $GL(3, Z)$  [AM92].  $h$  [HST98].  $h^+$  [Jak98].  $H_0^1$  [HJ95].  $\hat{3}M_{22}$  [LS94].  $h \cdot 2^k \pm 1$  [Bos93a, Bos93b].  $hp$  [SS96a, Sur97].  $K$  [Tak94, CLT93a, CLT93b, Tez94, Tra95].  $k(\ln k + \ln \ln k - 1)$  [Dus99].  $K3$  [CS96a].  $k^{th}$  [Dus99].  $k \geq 2$  [Dus99].  $L$  [AT99, EM92c, SSW99,



Sil99a, FS95, Jak98, Sch98b, EM92a, EM94, Lou92].  
 $L^1$  [GW96, LX93].  $L^2$   
 [BS90b, HJ95, BX91, Coc91, Xu91].  $L^r(0, T; L^p(\Omega))$   
 [Ver98].  $L^p$  [WL99].  $L_2$   
 [TB97, Bai94c, BL95, Hei96].  $L_2(\mathbb{R}^d)$  [RS98].  $\lambda$   
 [FS95].  $lcm$  [Mor89, Mor90].  $\leq 2$  [Lou95].  $\leq 44497$   
 [KM91].  $LU$  [BTW90].  $m$   
 [BH94a, CM94a, FR94, Kui96, Rob93].  $m - a_m^{1/2}$   
 [Zha94].  $\mathbb{Q}(\sqrt{3})$  [Hun91].  $\mathbf{F}_2$  [Roe99].  $n! \pm 1$   
 [Cal95].  $n$  [Hor97, MS95].  $n = fu^2 + gv^2$  [HMW90].  
 $nk = 2ab$  [Goe98].  $O(\Delta x)L^1$  [TT95].  $p$   
 [BS92a, BL93, BSW90, EM92a, EM92c, EM94,  
 EM97b, FS95, HST98, HGK98, Jep96, SS96a,  
 Sem98a, Ste94b, Xu94a].  $P - 1$  [MS90].  $\phi$  [Ct98].  $\pi$   
 [AW97].  $\pi(x)$  [DR96].  $\psi(x)$  [DR98a].  $PSL(2, Z)$   
 [HA93b, HA93a].  $q$  [GS90, Jep96, WH93].  $Q(\sqrt{3})$   
 [CD92].  $Q(\zeta_p)$  [Jha95].  $Q_1$  [CO98].  $QR$   
 [Ste92, BD92a].  $qx + 1$  [FP95].  $r$   
 [Pap97, JS92, Joe93].  $R(1, 6)$  [Mai91].  $R^3$  [CPS92].  
 $S$  [Sma99].  $S(5, 6, v)$  [GGM98].  $S_n$  [Gra95].  
 $\sum_{i=1}^n (-1)^{n-i} i!$  [Živ99b].  $\sum g_n/2^{g_n}$  [BL90].  $Sz(8)$   
 [Sch93c].  $t$  [Bai94b, KM91].  $\tau$  [Kei96].  $u$  [HMW90].  
 $v$  [HMW90, BP93, Vas92].  $v = 72$  [GGM98].  $\varepsilon$   
 [NTS98].  $w$  [Pea96].  $x, k$  [MTU94].  $x^3 + y^3 + z^3 = k$   
 [HBLT93].  $x^3 + y^3 + z^3 = n$  [KTS97].  $x^4 + 1 = Dy^2$   
 [Coh97c].  $x_1^6 + x_2^6 + x_3^6 = y_1^6 + y_2^6 + y_3^6$  [Del92b].  
 $x^p - y^q = 1$  [AI91].  $x_1^k + \dots + x_s^k \equiv N \pmod{p^n}$   
 [SK99].  $\xi$  [CSV94, Kei92].  $Z_3$  [Tay96].  $\zeta_K(2)$   
 [Tak94].  $|ax^n - by^n| = 1$  [Bd98].  $|\zeta(12 + it)|$  [It91].

### -Adic

[BSW90, EM92c, EM94, FS95, Xu94a, EM92a].  
**-algorithm** [NTS98]. **-amicable** [Ct98].  
**-approximation** [GW96, BS90b]. **-basic** [Pea96].  
**-binomial** [GS90]. **-blocks** [HS92]. **-bridge**  
 [KS93a]. **-Complete** [EL96]. **-conjecture** [BB94c].  
**-connected** [Dui96a]. **-convergence** [Li94b].  
**-cycle** [BP93, Vas92]. **-d** [Dur99, BH94b].  
**-dimensional** [CLT93a, CLT93b, Lab98, Tez94].  
**-Dirichlet** [Kei96]. **-distribution** [Bai94b].  
**-divisibility** [EM97b, FR94]. **-error**  
 [TT95, HJ95, Ver98]. **-extension** [FS95].  
**-function** [BF92, CSV94]. **-Functions**  
 [EM92a, EM92c, EM94, Lou92, SSW99, AT99].  
**-groups** [Pea96]. **-invariant** [FS95]. **-invariants**

[Tay96]. **-Laplacian** [BL93]. **-manifolds** [CHW99].  
**-modular** [Gol91b, HS92, His94]. **-Nomials**  
 [KM91]. **-operator** [Tra95]. **-patches** [DMS92].  
**-power** [Lou95]. **-powerful** [Coh98]. **-Projection**  
 [Coc91]. **-projections** [HJ95]. **-rank** [Pap97].  
**-Rotational** [YR92]. **-sequence** [Zha93b].  
**-sequences** [Zha94, Lin98]. **-series** [Sil99a]. **-sets**  
 [CM94a]. **-simplex** [MS95]. **-simplices** [Hor97].  
**-spline** [DMS92, DM98]. **-stability** [LX93]. **-star**  
 [BH94a, Kui96]. **-subtetrahedron** [LJ96a]. **-th**  
 [Sch98b]. **-torsion** [Sem98a]. **-transformation**  
 [GL98a, Sid95, GL98a]. **-triangles** [RI96].  
**-uniform** [FMOS98]. **-unit** [Sma99]. **-version**  
 [BS92a, HGK98].

**1** [Köl97g, Hig96]. **15** [Köl97h]. **1943-1993** [Len97].  
**1995** [Tho97].

**2** [Krö91, Mon94a, Fro97]. **2-adic** [SSW99].  
**2-bridge** [KS93b]. **2-D** [Krö91, Mon94a]. **21**  
 [Tho94]. **25** [BW96].

**37** [MPR95]. **38** [Tho94].

**43** [Köl97e]. **46** [BW96].

**50th** [Gau94]. **52** [BO94, Mor90]. **53** [CH90a]. **55**  
 [FW94]. **57** [Ano92, GC93]. **599pp** [Köl90].

**61** [LLMP95]. **62** [Woz97b]. **64** [JMS97].

**82k** [MPR95]. **868a** [Köl97h]. **88f** [Köl97g]. **89k**  
 [BO94].

**90c** [CH90a]. **90m** [FW94]. **91j** [Ano92]. **92h**  
 [GC93]. **93c** [Köl97f]. **93k** [LLMP95]. **94g**  
 [Fik98, Köl95, Lam96, Lam97, Woz97b]. **95m**  
 [JMS97]. **9th** [Smy91]. **9th-order** [Smy91].

**A.** [Cai96, Fal98, Köl97c, Köl97a, Köl97b, Tho97].  
**Åke** [Col97]. **abelian**  
 [AK99, BJT97, Far94, Pil90, Sho99, Yam94]. **Abell**  
 [Mea96, Wri96]. **Abramowitz** [RW92]. **absolute**  
 [Fla96, Od193, RS95, Str92b]. **Absorbing**  
 [Fen99, Krö91, She93]. **Abstract**  
 [LT91b, Loz97, GP99, LT91a]. **Academic**



[Fik98, Köl95, Lam96, Lam97]. **Accelerated** [AKL98, Mül97]. **Acceleration** [Van94, Göt94, LP95]. **Accuracy** [Van97, GS95, MS97b, Sül92]. **Accurate** [Ber90, Eck93, Eck95, HHM94a, HHM94b, Mac97, Noe96, Sun95, Zho97]. **acoustic** [BS94b]. **acoustics** [Gil98]. **Acta** [Fal98, Tho97]. **Adams** [Wri97]. **Adapted** [Chu96, Sch91]. **Adaptive** [BGLT95, DY90, EJ93, NPV91b, DR98b, NPV91a, WG92]. **add** [LF93]. **addenda** [Tem98]. **Addendum** [LLMP95, MPR95]. **addition** [AS93a, AS93b]. **additional** [CMV92]. **additive** [Bre96b, HST98, Ste96b]. **Adelaida** [Shi96]. **ADI** [LM94b]. **Adic** [BSW90, EM92c, EM94, FS95, SSW99, Xu94a, EM92a]. **adjoint** [EG90]. **adjustable** [Bai94c]. **admit** [GM96]. **advanced** [Kin99a, Loz98a]. **Advances** [BV99, War96]. **advection** [LT99]. **advection-diffusion** [LT99]. **affine** [RS98]. **Afternotes** [Kin99a, Ser97a]. **Ainsworth** [Kin97]. **Airy** [Tem94b]. **Airy-type** [Tem94b]. **Alain** [Bar96]. **Alan** [War98]. **alcoves** [Sut98]. **Alexander** [Qua96a]. **algebra** [Gec93, Hig94, Rud98, Bos98, Ste99c, Wat98]. **Algebraic** [Gal92, Jus90, LT91b, Zag93, Beu96, BC98, Dre98, FJP97, Fla96, Fuj93, Gra98, GL98b, KSS98, Kvæ90, LT91a, Mat97, Mon94b, RR94, Sch93a, Sch91, Sch96a, Tak94, Vas92]. **Algebras** [Den90, HW90, San92]. **Algorithm** [HMW90, HTS90, LZ92, Ada95, AD93, Bai94a, BD92a, Bel97, CFS95, CGT97a, CGT97b, Cop94, DDD91, DM98, Dew98, EG99, FBA99, GW96, Göt94, HT95, Huc95, Kal95, LLS96, LH98, LN96, MS90, NTS98, NY97, NG95, Oli98, Pih93, Roe99, Sem98b, SW93, Smi96, Swa93b, Tei98, Tes98, TB97, TW92, WH93, Woz94, Woz97b, DH99a]. **Algorithmic** [Wag98]. **Algorithms** [Bai94c, Ben98b, BB94a, BP92, Gol94b, Grö92, Hol97, Sho90, Tod96, Bos98, BPX91b, BPWX91a, BP93, BLP94, BPV98, Che94a, CEL96, Che96d, Coh96, EB99, EST90, Hei96, Hig96, LT99, LG97, MES98, Nie96b, PT92, PJV94, PST98, RI96, ST91, Val91, vSC92, Ye91, Ye94, Van97, Wag98]. **Aliquot** [MM91, BV99, GG94, MM93b]. **allowing** [CP97]. **Almost** [CHL99]. **along** [LM94b]. **alternating** [BF93b]. **alternating-direction** [BF93b]. **Ambiguous** [Mol93]. **Amicable**

[Cos91, Ct98, MM93b, tR94]. **Among** [Jus90]. **Analysis** [BF93a, BWW97, BG94, BP92, BPV98, Cal92, Cho97, CPS92, FBA99, Fis90, FK93, GHS91, GL98b, Kal95, KS92, KLL96, LM90, Mad90, Mel98, MSS97, NW96, Ste92, TB97, WT90, AM94, AN92, Bai94a, BS94b, BDR98, BPX91b, BLP94, Bra94, Cal91, Chu96, DVZ94, EHE96, ELV91, Gol91a, GS97, HDJ94, HL94, Isa96b, Kin99b, LT99, LS91b, LG93a, LG93b, Mel97, Néd94, NW98, Rum90, Sid95, SW93, Ste90, Ste99b, SO91, Tem91, Ye91, Zhe94, dB98, Bra96a, Dav96, Kin99a, Lar97, Ser97a]. **Analytic** [LT91b, Odl94, BR94, GS95, LT91a, LP95, OW97, Sch97]. **and/or** [DH90]. **Anderson** [Cai96]. **Andreas** [Isa96b, Ste98b]. **Andrew** [Wah98a]. **angle** [Žen95]. **Anne** [Sil99b]. **Anniversary** [Gau94]. **annular** [CM95]. **Anti** [Lau96]. **Anti-Gaussian** [Lau96]. **antidiffusive** [CL91c]. **appendix** [FS95]. **Application** [HW92, BS94b, Bra95, CQS98, KX94, Lan96, LSW94, Sid95, Hal96]. **Applications** [CD96, LT91b, Loz98a, Sch94, Abe94, AFW97, ABZ95, BBG93, BPWX91b, GvP98, GH97, Hob98, LSS99, LT91a, Ste98b, XZ94, Bra96b, Che96d, Sch96b, Ste99a, Tem97]. **Applied** [Wat98, AN92, Kvæ90, Zha98a]. **Applying** [Jac99]. **Approach** [CSW92, BPX91a, BLP97, CG96b, CL91c, GANT99, Gol94a, LS95, Lew94, LG97, NRS95, ST91, Auz98]. **approximants** [CD96]. **Approximate** [Che94a, Abr95, Cha94a, GANT99, Nes96, Nii92, Tho94, Ziv95]. **Approximated** [Dub92]. **Approximating** [HS97b, HS95a, KP92, OW97]. **Approximation** [Bos90, BR94, DY90, DHNL<sup>+</sup>99, Ell96, FK91, HW92, Jia98, Sho98, AKL98, BO94, BL93, BB99a, BS90b, BS94b, BF93a, CTW92, CLM94, CH96, CL91b, Cop99, Dem90, Dem95, DR98b, Fas97, FK93, GT94, Grö99, GM92b, GHS91, GMP91, HB92, HR94, Hua91, IK98, Kha99, Lan96, LSS99, Leh90, Lev92, Lev98, LL98, Lin94, LO95, Mül97, Pao97, Pes96, Qua97, RAG91, SS94, SBS95, TB97, Vv96, VC94, Zhu92, GW96]. **Approximations** [LT91b, Sch92, BL95, BCM92, CDT93, Cot91, DDP95, Du98, EG99, FG91c, GT91, KM90, KB97, LT91a, LNS93, LST96, Mak93, MM94a, Pal94, Pal95, RS96a, RVW96, Tad93, Tho94, Wal92, WL99, Wu95, Zha93a].



**arbitrary** [LM94b]. **architecture** [Loz98a, Roj94]. **architectures** [LF93, Hou96b]. **arcs** [AS91b, He94]. **areas** [Bea97]. **arguments** [Bru94, CK99]. **Arieh** [Kin99b]. **arising** [AY94, CG90b, Mit90, Mon94a, Was91]. **Arithmetic** [Beu96, Abe94, CF94, DN97, Kno93, PMT95, RR96]. **Arithmetical** [MT93, Dil92a, Dil92b]. **Arjeh** [Rud98]. **Arkadii** [Tod96]. **Arnoldi** [MS97a, Mor96]. **arrowhead** [Oli98]. **art** [Loz98c]. **Artificial** [HW92]. **Artin** [Pap97]. **Aspects** [dR92, Che96a, Shu96, Tem94b]. **Assembling** [Ber90]. **assisted** [MM98]. **associated** [AT99, Bea97, Mas94, MPR95]. **assumptions** [BPWX91a, SW96]. **Astfalk** [Loz98a]. **Asymptotic** [BP96, Fal96, Fly98, Hag91, HHM94b, Tem92, CJT97, Dom96, HH99a, Sch98a, Tem94b, Til97, VC94, HHM94a]. **Asymptotically** [Bra93, Ser97b]. **asynchronous** [MES98]. **Atkin** [Dew98]. **atlas** [Lee99]. **attractors** [HS95a]. **Augmented** [LS95]. **August** [Gau94]. **Aurifeuillan** [Wag96c]. **Automatic** [EB99, HT91]. **automorphism** [CD98, CMS92b, CMS92a]. **automorphisms** [AK99]. **Average** [DLP93, EHL97, NRW95, EHE96]. **Average-case** [NRW95, EHE96]. **Avner** [Isa96a]. **avoid** [EH91]. **AWC** [CL94]. **AWC/SWB** [CL94]. **Axelsson** [Elm96].

**B** [Arn97b, BW96, Gil98, Köl90, Shi96, Peñ97]. **B-splines** [Peñ97]. **Bach** [Wag98]. **Backward** [AM94, AL91]. **Bad** [EdT90]. **Bai** [Cai96]. **Bailey** [Gau96]. **Baiocchi** [Bra96b]. **Bal** [Nie96b]. **Balancing** [CMW95, MB96]. **Banach** [Wan99]. **band** [Ser97b]. **band-Toeplitz** [Ser97b]. **Bank** [Ano95m]. **Banks** [Auc96]. **Barrett** [Ano95q]. **barrier** [CGT97a, CGT97b]. **barriers** [MO93, OZ91]. **Base** [KKS90]. **Based** [HTS90, Ad97, BLP97, Dem96, FP97, LS98, LJ96a, Mar90, Shy94, Str92a, VV93a]. **Bases** [Dör92a, DP96, DMS92, DS99, Dör92b, FvS99, Gaá96, GP97, Jae93, LSW94, Nie94, Zhe94]. **basic** [Pea96]. **basis** [DM98, FG96, GV95, Hob98, JKN91, Sch99, Ste96b, Wen99]. **Battle** [Lai94]. **Bau** [Ste99c]. **be** [AH99]. **before** [WS94]. **begets**

[DMS92]. **behave** [CLR97]. **Behavior** [Ber90, Che91, Cot91]. **behaviour** [Mor99]. **Bell** [Wag94, Wag96c]. **Below** [MM91, SW94, Sho99]. **BEM** [BWW97, Car96, Li99]. **Bengt** [Shu97]. **Berg** [Ste98b]. **Bernard** [Hou96a]. **Bernstein** [FN90, FG96, Peh93]. **Berry** [Ano95q]. **Bessel** [Ben98a, FS92, FO93, GF97, GR95]. **Best** [BS90b, BS99, Dem90]. **beta** [Boy96a, Boy96b, Boy96c, Dom96]. **better** [DMS92, ST96]. **Between** [Len91b, BBN99, Bra95, CD99, EM91, Mar92, NHA97, Sil90]. **Beyerm** [BW96]. **Bézier** [FN90]. **bifurcation** [ABZ95, BGJ99, WBL94]. **billion** [CD97]. **Binary** [DJ91, Bea97, EK97, Živ94a, Živ94b]. **Bini** [Hig96]. **binomial** [ELS93, FG91a, GS90, SdW99]. **biographical** [Kel95]. **biquadrates** [DD93]. **Birkhoff** [BN90]. **Bischof** [Cai96, Ste98b]. **bisection** [Hor97, LJ94, NRW95]. **Bivariate** [CH90b, CH90a, Shp93, Xu92]. **Björck** [Col97]. **Björstad** [Gau96]. **BKK** [LW96a]. **blessing** [AH99]. **block** [CV95a, Cop94, Gol91b, Kal95, PJV94, Til97, vS96]. **block-size** [CV95a]. **blocks** [HS92, Til97]. **Blossoming** [DMS92]. **bodies** [NRS95]. **body** [MP96]. **Boltzmann** [Léc91]. **Book** [Ach99, Ano95g, Ano95h, Ano95m, Ano95q, Ano95u, Ano95r, Ano95j, Ano95t, Ano95i, Ano95b, Ano95n, Ano95v, Ano95y, Ano95c, Ano95a, Ano95l, Ano95x, Ano95k, Ano95z, Ano95d, Ano95f, Ano95o, Ano95p, Ano95w, Ano95e, Ano95s, Tod96, Arn97b, Auc96, Auz98, Bai96, Bar96, Ben98b, Beu96, Bos98, Bra96a, Bra96b, Bre96a, Bre97, Bre96c, Cai96, Che96a, Che96b, Che96c, Che96d, Che97, Chu96, Coh97b, Coe98, Dav96, Ell96, Elm96, Elm97, Fal96, Fal98, Fro97, Gau96, Gil98, Hig96, Hol96, Hou96a, Hou96b, Isa96a, Isa96b, Isa96c, Kar97, Kea98, Kea97, Kin97, Kin99a, Kin99b, Kli96, Kok96, Köl90, Lar97, Len97, Loz96, Loz97, Loz98a, Loz98b, Loz98c, Mea96, Mey96, N.93, Nie96b, Nie96c, Nie96a, Noc96, Qua96a, Qua97, Res97, Rud98, Sch96a, Sch96b]. **Book** [SS96b, Ser97a, Sha96, Shi96, Shu96, Sil99b, Ste96a, Ste99a, Ste98b, Ste99b, Ste99c, Tem97, Tem98, Tho97, Tod98, Wag96b, Wag98, Wah97a, Wah98b, Wah98a, War96, War98, Wat98, Wim98, Wri96, Zha98a, dB98]. **Books** [Ano95-27, Ano95-28, Ano95-29, Ano97, Col97, Hol97, Mat97, Shu97,



Ste97a, Ste97b, Van97, Wah97b, Wri97]. **Boolean** [Del90]. **Boston** [Fik98, Köl95, Lam96, Lam97]. **both** [Zag93]. **Bouleau** [Ano95h]. **bound** [DGNP93, Hic98, NY97, PW98, Str92b, Ziv99a]. **boundaries** [BK94, Lev92]. **Boundary** [AC90, Bra96b, CPS92, DCNZ96, HW92, LM90, Sch92, Ste99a, Yan90, AY94, AD91, BL95, BS94b, BG99a, BS99, BLP93, BV92, BCMR95, Car94, CS95, CH98, DR98b, EG99, FMOS98, Fen99, FK93, FG91c, GT91, HDJ94, Hag91, HHM94a, HHM94b, Han90, HST98, Hon99, Hun92, Hun98b, Krö91, Mon94a, SS91, SS94, SS96a, SW99, SZ90, She93, Shi96, SO91, vBv92, Wu95, XZ96, Yin98, Zhu92]. **boundary-element** [BS94b]. **bounded** [Yin98]. **Boundedness** [ELR90]. **Bounds** [DS91, HGK98, Joe93, Pow97, AL95a, AL95b, Bac90, BS94a, BS96a, Bra93, BCT91, CGT97a, CGT97b, DM99, Ehr94, EHN92, EH94a, Fly98, Léc96, Nie90, Nii92, Sch99, Ste98a, Ziv95]. **Boussinesq** [DOSS91]. **box** [CQS98, Neu94]. **BPX** [Osw99]. **BPX-preconditioner** [Osw99]. **brackets** [Sei99]. **branching** [Coh93]. **Braserton** [Mea96, Wri96]. **Brass** [Ano95g]. **Brauer** [HW90]. **Breach** [Köl97g, Köl97f]. **breakdown** [Ye94]. **breakdown-free** [Ye94]. **breaking** [BGJ99]. **Brenan** [Mat97]. **Brenner** [Bre96c]. **Brian** [Loz98c, Sha96]. **bridge** [KS93a, KS93b]. **brief** [Isa94]. **Briggs** [Nie96c]. **British** [Gau94]. **Brown** [Isa96c]. **Brun** [Bre97]. **Brychkov** [Köl97g, Köl97f, Köl97a, Köl97b]. **bubble** [ZZ97]. **building** [Kli96]. **built** [DMS92]. **Bulirsch** [Ano95u]. **Burgers** [BT97, BH94b]. **Buschman** [Tem98, Wah97b]. **Butuzov** [Shi96]. **Byrd** [Köl97e, Köl97d]. **Byrnes** [Boy97].

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[Nie96a, BGLT95, HMN93, HM93, HM97, Léc91, Léc96, TW92]. **Carmichael** [BN97, Jae90, LN96, Pin93a, SW94]. **carry** [CL97b]. **Cartesian** [CG97]. **case** [AC90, CHS90, CT92a, CT92b, CT94, Cop90, DLP93, DS95, EHE96, FP90, GP99, HDJ94, NRW95, Yan96b, Yan96a]. **Catalan** [AI91, Ste98a]. **Cauchy** [Bia90, Die94, HT91, Mon94a, Rab90a, Rab90b, Rab91]. **cavities** [Lev92]. **cell** [CFS95, ELV91, GS97, JS94, MSS97, Sül92]. **cell-centered** [ELV91]. **cell-vertex** [GS97, MSS97]. **census** [CHW99]. **centenary** [Isa96c]. **centered** [ELV91]. **Central** [Den90]. **centralizer** [HW90]. **centrally** [Cha92]. **century** [Gau94, Len97]. **Certain** [BBG90, BBG91, WT90, Al 94, CL94, Gau91b, Kid99, Lew94, LP95, Mac97, MT93, Mit90, MW94b]. **CFL** [GT91, HR93]. **chains** [AS93a, AS93b, For99]. **Chaitin** [Ste97b]. **Chaitin-Chatelin** [Ste97b]. **Chan** [Ano95q]. **Change** [Mar92, Mar90]. **Chaos** [MM98]. **characteristic** [GLW99, Göt94, LS94, Sch93c, Sch93b, Sem98a]. **characterization** [Dem90, Xu94b]. **characterizations** [MO93]. **characters** [HS92, His94]. **Charles** [Che96a, Che96d]. **chasing** [Oli98]. **Chatelin** [Ste97b]. **Chebyshev** [BBN99, BE96, Fly98, För94, HS97a, HTS90, Kui95, Mac93, Mac94b, Not92, RO91]. **Chebyshev-type** [Kui95]. **Checking** [Sao98, Sin93]. **Chevalley** [HS92]. **chi** [BD92b, CK99]. **chi-function** [BD92b]. **Choice** [DGPR92]. **Christian** [Ste98b]. **Christoph** [Fro97]. **Chu** [Isa96c]. **Chui** [Che96d]. **Ciarlet** [Bra96a, Fal96]. **circle** [MPV98]. **Circulant** [CY92, YC93, FG91a, ST96]. **Circular** [GHO92a, GHO92b, He94]. **Class** [BSW90, MW92b, Sol92, Ste98a, Ste94b, Wag96a, BPv94, CL90, CM94b, CDO98, CS99, CMM90, EH93, FR94, Gau91a, GN96, GLW99, Gir93a, Gir93b, HMN93, Jac99, JMS95, JMS97, Jak98, Jha95, KLL96, Lou92, Lou95, Lou97, MPR95, MES98, Pv93, PW98, Ros95a, Ros95b, Rüc99, SH98, Sch98b, SSW99, Sho99, Sri98, Vv96, XZ96, Yam94]. **classes** [BS94a, BS96a, But94, JM92, LT91c, Mol93, Phi95a, Phi95b, Wal99, Wal21]. **classical** [RS92, Wim98]. **Classification** [Mai91, SH98].



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**constructive** [BBG98]. **contact** [Cop99, Gau91b, Mac97]. **continuation** [Car94]. **Continued** [LS93a, Lor94, Shi95]. **Continuity** [Coc91, BC97]. **Continuous** [KB97, VZ95, Bai94c, Ber94, CY92, FP96, MO93, OZ91, Sho98, WBL94, YC93]. **continuous-time** [WBL94]. **Contractivity** [Len91a]. **Contractivity-preserving** [Len91a]. **Control** [Auc96, GHS91, HR94, Nie96b]. **controlled** [DR98b]. **controls** [GHS91]. **Convection** [Ric90, EJ93, GS97, LNS93, MM93a, MSS97, XZ99]. **Convection-Diffusion** [Ric90, EJ93, GS97, LNS93, MM93a, MSS97, XZ99]. **converge** [HL94]. **Convergence** [BG92a, BPWX91a, BPWX91b, Bre99a, CMP98, CH98, Cha99, CL93, CL97a, CL90, CT92a, CT92b, CL91c, CMO90, CMM90, FG91c, GS91, Gla92, HWC99, JSH90, LT99, Lu98, Mar92, MM95, Mor99, Nes96, NW98, Sid95, Sur90, Via91, Wal92, Wan99, BBN99, BD92a, BTT94a, BTT94b, BS99, BR94, CHL99, CFS95, Cha97, CQS98, Cho97, CMV92, DMT93, Dol99, FS92, GL96, Hon99, Hun92, Lab98, LP95, Li94b, Mar90, Mel97, NW95, NW96, OR92, Rab91, RS96a, Sul93, Van94, Ye91, DH99b]. **convergent** [BS90b, Che94a, CGT97a, CGT97b, Gau91a, Gau91b, Lew94, OS91, Sid95, SS96c, Van94]. **Converting** [Ziv95]. **convex** [Tod96, Dem95, LW97]. **Convolution** [Cal92, EL91, LO93, Pes96]. **convolutions** [Ste95]. **Coombes** [Sha96]. **Cooper** [Ano95r]. **coordinates** [Hal96]. **Coppersmith** [Kal95]. **Coprime** [HMW90]. **Corliss** [Ste98b]. **Cornelius** [Isa96c]. **Corner** [Bre99b]. **corrected** [CL91c, HHM94a, HHM94b]. **correction** [BPX91a, BCMR95, Hu98, Yin98]. **Corrigenda** [Ano92, BW96, CH90a, Mor90]. **Corrigendum** [Ano96, BO94, GC93, JMS97, Wal21, Woz97a]. **Cosets** [Mai91, Pow97]. **Cosine** [Dub92, ST91]. **Cosine-Series** [Dub92]. **count** [LW96a]. **counterexample** [Spi94]. **Counterexamples** [Xu91]. **Counting** [MVZ93, GN92]. **coupled** [Nes96]. **Coupling** [BDM90, BWW97, Li99]. **Courant** [Bre96a]. **course** [Isa96a, Isa96b, Kin99b, Sch96a]. **Covering** [DJ91, His94]. **covers** [MW94b]. **covolume** [Cho97, CV99, NW98]. **Cox** [Kli96]. **Crandall** [FP95]. **Crank** [Hun92]. **crimes** [BF93a]. **criteria** [Bos93a, Bos93b]. **Criterion** [JS92, Cik94, Cop90, DS95, Joe93]. **critical** [Kei96, Tol97]. **crossings** [KS93a, KS93b]. **Croz** [Cai96]. **cryptographical** [GvP98]. **crystalline** [KLL96, LL98]. **cubature** [CS96b, LC94, Xu92]. **cube** [SW98]. **Cubes** [Vas91, BRZ99]. **cubic** [Bel97, Cla96, DST97, FT91, Fuj93, FW90b, FW94, GS93, Oli92]. **Cullen** [KN95, Kei95]. **Cunningham** [For99]. **Curtis** [HST93]. **curvature** [Pao97]. **curve** [AM93b, Cre95, Sem98a, SW93, Smy91, Tei90, vW99]. **curved** [BK94, Lyn94]. **Curves** [Bar96, EdT90, AT99, AM93a, AM93b, BB93, Che96b, CW94, CS99, DH94, FR94, GLW99, iHT99, Kid99, MVZ93, Mey96, iN97, Ros95a, Ros95b, Rüc99, SV98, Sil90, Sil99a, Tra95, War98, Was91, van99, Beu96]. **cuspidal** [CW94, vv93b]. **cusped** [CHW99]. **Cuspidal** [AM92, Kno93]. **cycle** [BP93, Vas92]. **Cycles** [MM91, MM93b]. **Cyclic** [DJ91, Phe90a, Phe90b, Acc96, AM94, Gaá96, GP97, Gir93a, Gir93b, GS93, Lou95, Was91]. **cyclically** [EG90, EG91]. **Cyclotomic** [EM91, EM92b, Fuk96, Bre93, BCEM93, Jak98, Ste94b]. **Cyclotomy** [Laz93].

**D** [Ach99, Ano92, Gau96, Köl97e, Köl97d, Dur99, BH94b, Che94b, Krö91, Mon94a]. **D**. [Cai96, Che96c, Co998, Wah97a]. **DAEs** [Zha98a]. **Daniel** [Wil97]. **Dario** [Hig96]. **data** [BL95, DS93, EL92a, EL92b, FK93, JSW99, LST96, Sch99]. **David** [Isa96c, Gau96, Ste99c]. **Davies** [War98]. **Davis** [SW95b]. **Davy** [Loz97]. **Deák** [N.93]. **debate** [Roj94]. **Debnath** [Tem97]. **Decay** [LW97]. **Deciphering** [TG94]. **decomposable** [Sma95]. **Decomposing** [CD97]. **decomposition** [AV99, BPWX91b, BPV98, CEL96, CMW95, DDD91, DD92, Gec93, HP92, LS95, LT99, MB96, Ste96b, Swa93a]. **Dedekind** [Coh96, Tol97]. **Defect** [BCMR95]. **deficient** [LW91]. **defined** [van99]. **Definite** [Hun91, Leh92a, MN90, CMP98, Hig98, Kap95, Leh92b, NW94, RS96b, Ser97b]. **Deformations** [vKP95]. **degeneracies** [BGJ99]. **Degenerate** [KX91, LP92, NW95, Zha95b]. **Degree**



[DY90, KM91, Abe94, Acc96, AS91a, BBG98, Boy96b, Boy96c, Bra93, CS96b, Cre95, DO95, DH90, Fuj93, Gra98, Jak98, Roe99, Sel99, Sou94, Tak94]. **degrees** [CJT97, Gir93a, Gir93b, HM98, Lou95]. **Del** [Ura96b, Ura96a]. **delay** [Bru94, CG90b]. **Delhi** [War96]. **delta** [Laz93]. **Demmel** [Ano95q, Cai96, Wat98]. **Dense** [Pan90]. **densest** [Cha92]. **Density** [AL95a, AL95b, BN97, BS96b, FW90a, HB92]. **Dependent** [Ric90, BB99a, Du98, EL95, GP99]. **depth** [HH99b]. **derivation** [vBv92]. **Derivative** [Zha98b]. **Derivatives** [CG90a]. **Descriptions** [Ano95-27, Ano95-28, Ano95-29, Ano97, Col97, Hol97, Mat97, Shu97, Ste97a, Ste97b, Van97, Wah97b, Wri97]. **design** [Bar96]. **Designing** [Mey96]. **designs** [GT93]. **Desingularization** [Hou92]. **Details** [MM98]. **Detecting** [Ber98]. **Detection** [GM92b, BGJ99, Pea96]. **Determinant** [LZ92, FG91a, Hel97]. **Determination** [Lou95, Yam94]. **determine** [Coh93]. **Determining** [Sma99]. **Deterministic** [HMW90, AN92, Cot91]. **Deuffhard** [Isa96b]. **development** [Bra94, Ste94a]. **developments** [Gol94b]. **device** [CT92a, CT92b, CT94, Hol96, Zhu92]. **Dew** [Kea98]. **DFT** [Nie96c]. **diagonal** [Ish95]. **diagonally** [vSC92]. **Diameters** [Gra98]. **Diaz** [Res97]. **Difference** [ELR90, Wad90, AD91, CGJ95a, CGJ95b, CL97a, Che91, CL91c, DDD91, FMOS98, GASS91, Gol94a, HT94, HT95, KT90, Liu94, MW94a, SA94, Sil90, Sun95, TT95, Wu95]. **Differences** [Mor89, Mor90, Odl93]. **different** [L'E99a, LSW94]. **differentiable** [Wal91]. **Differential** [Sha96, WT90, Ale91, Auz98, By99, BS99, Bra96b, BI93, BC98, CG90b, CTW92, Coo98, CHT96, DCNZ96, HM97, Hu98, KL97, Kin97, Kin99b, Kvæ90, LTW98, Liu94, Lu98, Mac94b, Mak94, Mat97, Nie94, OR92, RR94, Ren90, Sch91, SV90, Ste94a, Tem94a, Wah97a, Zha93a]. **differential-algebraic** [Kvæ90, Mat97, RR94, Sch91]. **differentiation** [AH99, EB99, Ste98b]. **Diffusion** [EJ93, JSH90, Ric90, Che94b, Che97, CT92a, CT92b, CT94, CG93, FK91, GS97, LSS99, LM99, LT99, LNS93, MM93a, MSS97, Pes96, SS96c, WL99, XZ99, Zho97]. **digital** [AMN90, Nie96b]. **Dihedral** [May92a, May92b]. **Dikshit** [War96]. **dimension** [Buh95, CH90a, CLT94, Gla92]. **Dimensional** [GM92c, SZ92, Ach99, BLS94, BCM92, BL94, BV92, CLT93a, CLT93b, Lab98, LSW94, Mad90, Sun95, Tez94, Yin98]. **dimensionality** [AH99]. **Dimensions** [NPV91b, Bai94c, Cha94b, Chi95, CL91c, GS91, NW98, NPV91a, OS91]. **diminishing** [GS98]. **Diophantine** [Bd98, Coh97c, Del92b, HBLT93, KTS97, Lan96, Leh90, SdW99, Sty93]. **Dirac** [Sei99]. **direct** [Han90]. **direction** [BF93b]. **directional** [Neu94]. **Dirichlet** [BL95, BK94, Kei96]. **discontinuities** [LM94b]. **discontinuity** [ZZ97]. **Discontinuous** [Ric92, Bai94c, CHS90, Eck93, JS94, KM98, LTW98, TB97]. **discrepancies** [TF93]. **Discrepancy** [NS90, EHN92, EH94a, GT93, Hei96, Hic98, Nie90, WW97]. **Discrete** [CF94, Dem95, Du98, RAG91, AD93, BL95, BLP97, Dem90, DH99a, DH99b, Fas97, FR94, LL99, LX93, LW96b, LW97, MST99, Nie96c, Pao97, PST98, Rüc99, Sem98b, Sem98a, ST91, TG94, Tsu90, Zha93a]. **discretization** [BB99b, CFS95, GASS91]. **discretizations** [AD91, Osw96, Ver94, Ver98, WBL94, WH99]. **discretized** [BI93, CRV92]. **discriminant** [BFP93, Fuj93, FW90b, FW94, Sel99, Str92b]. **Discriminants** [May92a, CDO98, DO95, HW90, May92b]. **Dispersive** [ELR90]. **displacement** [CL91a, GKO95]. **Dissections** [Jep96]. **dissipative** [CJT97, Hag91]. **distance** [Dem95]. **distances** [BH97]. **distributed** [Auc96, GHS91]. **Distribution** [CL97b, Ede92, EHN97, HM98, Bai94b, CLT93a, CLT93b, GP91, GC93, Per92, Tez94]. **Divergence** [Lor94]. **divergent** [Sid95]. **dividing** [Gra95]. **Divisibility** [MTU94, EM97b, FR94, GN92, Jak98]. **division** [McK94, Smi96]. **divisor** [Cus93, FR94, Ian99, Rüc99]. **Divisors** [Coh90, Coh97a, Sch93a, Vou95]. **Dixon** [LGRA94]. **Domain** [CEL96, LS95, AV99, BPWX91b, BPV98, CMW95, DDD91, DD92, LT99, MB96, She93, Swa93a]. **domains** [BK94, Bra95, Coh96, FK91, HHM94a, HHM94b, Hal96, Mad90, Wan91, Yin98]. **Donald**



[Isa96c]. **Donato** [Ano95q]. **Dong** [Nie96b]. **Dongarra** [Ano95q, Cai96, Hou96a]. **Dormand** [Auz98]. **Dorothy** [BW96]. **Double** [Pin99, BS94b, CP97, Del90, GL98a]. **double-layer** [BS94b]. **double-well** [CP97]. **Doubly** [AM92]. **Douglas** [Hun98a]. **drift** [Che94b, CT92a, CT92b, CT94]. **drift-diffusion** [Che94b, CT92a, CT92b, CT94]. **Drinfeld** [Hay91, DH94]. **dual** [NRS95, Tod98]. **Dumka** [Köl90]. **Dummit** [Ano92]. **dynamical** [BS97, WBL94]. **dynamics** [CL93, WBL94].

**E.** [Ach99, Cai96]. **Earl** [Kli96]. **edited** [Auc96, Bra96a, Bra96b, Bre96a, Che96d, Che97, Ell96, Fal98, Gau96, Hou96a, Hou96b, Loz97, Loz98a, Mey96, Res97, Rud98, SS96b, Shu96, Ste98b, Tho97, Wah98b, Wah98a, War96, Wri97]. **edition** [Fik98, Köl97e, Lam96, Lam97, Loz98c]. **Editor** [Ano95y, Len97]. **Editors** [RW92, Ano95g, Ano95u, Ano95r, Ano95j, Ano95n, Ano95d]. **effect** [BS92a]. **effects** [SS94, SBS95]. **Efficiency** [Car96, HH99a]. **Efficient** [BC98, Hei96, Hol97, PT92, She94, Wag98, CHT96, Eck93, Mas98, Nie92a, Nie92b, Tes98]. **Efi** [SS96b]. **Eigenforms** [GM92a]. **eigenfrequencies** [RS96a]. **Eigenvalue** [BN92, Lev92, LZ92, Lin94, Bai94a, EST90, Leb94, Mas94, Mor96, Vv96]. **Eigenvalues** [Bou99, BO94, EM95, HGK98, Swa93b]. **eigenvectors** [BO94, Leh97]. **Eight** [Mor89, Mor90, Sel99]. **Eijkhout** [Ano95q]. **Eisenbud** [Ano95j]. **Elastic** [HW92, Fal96, Mak93]. **elasticity** [BS92b, Bre94a, Bre94b, Fal91]. **elasto** [NRS95]. **elasto-perfectly** [NRS95]. **electrically** [HR94]. **electromagnetic** [Fen99]. **Electronic** [Köl90]. **Element** [BDM90, Coc91, CPS92, JSH90, NPV91b, Ric90, Sur90, ACM98, Arn97b, AB97, BO94, BL95, BS92a, BL93, BB99a, BB99b, BS94b, BF93a, BDR98, BG94, BK94, BS92b, Bre96a, Bre96b, Bre96c, CS95, Car97b, Cha94b, CTW92, Che94b, CL90, CL91a, CHS90, CT92a, CT92b, CT94, CL91b, Cop99, CLT94, DDP95, DCNZ96, DM99, Dol99, DL92, EL92a, EL92b, EL95, EJ93, Fal91, FO94, FK93, FP96, Gol91a, Gra95, GHS91, GMP91, Han90, HST98, Hon99, HR94, HWC99, HGK98, KM98, KS92, LSS99,

Leb94, LL98, Mak93, MP95, NRS95, NPV91a, OS91, Pes96, RS96a, RVW96, SW95a, Sch98a, SS94, SS96a, SZ90, Ste90, Ste99a, SO91, SBS95, Sur97, Ver94, Ver98, Wal92, Wan91, WH99, XZ99, Zha90a, Zha90b, Zha95b, Zha98b, ZF93, Zho97, Zhu92]. **element** [Bre96a]. **element-Galerkin** [BO94]. **elementary** [SW98]. **elements** [Al 94, CO98, CH90b, CH96, CMW95, Dur99, Gir95, GH97, Hip99, KLL96, Pih93, Val91, WH99, Žen95]. **elimination** [GKO95]. **Elkies** [Dew98]. **Elliptic** [AM93a, Car92, Dör92a, EdT90, GM92c, LM90, SdW99, Sur90, AT99, AC95, AM93b, BLP93, BB93, Bre99a, Car91, CFS95, CEL96, CV99, CW94, Cre95, CS99, CLT94, DCNZ96, Dör92b, DR98b, DH94, ELV91, GLW99, GP91, GC93, Hol97, HWC99, Kha99, Kid99, Köl97e, Köl97d, KT90, MVZ93, MP95, iN97, Nii92, Noc95, OS91, Ros95a, Ros95b, RW93, RVW96, Sem98a, She94, Sil90, SW93, Sil99a, Smy91, Swa93a, Tra95, Vv96, Ver94]. **elliptic-type** [Kha99]. **Ellison** [Isa96c]. **Embedded** [vSC92]. **Emden** [Nie96c]. **Emma** [Dar91]. **enclosing** [APS93]. **encyclopedia** [Bai96]. **endpoint** [MM94a]. **energy** [Gla92, HDJ94]. **energy-preserving** [Gla92]. **engineering** [Zha98a]. **engineers** [Köl97e, Köl97d, Kok96]. **Engl** [Che97]. **English** [Fik98, Lam97, Köl97g]. **enhanced** [BR94]. **entire** [Grö99, Mül97, RS94]. **entropy** [BBP96, JS94, KP94, LL99, Noe96, Yan96b, Yan96a]. **Enumeration** [Bre97, BFP93, YR92]. **environment** [Res97]. **Environments** [Hou96a]. **Epstein** [Kha99]. **Equal** [Ekl96, Ekl98]. **Equation** [Del92b, Td91, WT90, AI91, Ad97, AN92, Arn94, AC90, AL91, BL95, BB99a, Bd98, BTT94a, BTT94b, BT97, BH94b, BV92, BI93, Car97a, CG90b, CTW92, Coh97c, DDD91, De 95, EL92a, EL92b, FK93, FP96, Goe98, Guo95, HDJ94, HHM94a, HHM94b, HS94, HBLT93, Hon99, Hua91, KM98, KTS97, LM99, Léc91, Li99, LNS93, Lu98, LST96, Mon94a, NTS98, SW95b, She93, SH95, Ste98a, Sun95, TW94, Zha98b, DOSS91, KM90]. **Equations** [GM92c, HW92, KX91, LT91b, Ric90, Yan90, Acc96, Ach99, APS93, Ale91, AV99, Ang96, AS91b, Auz98, BB99b, By99, BS99, BG94, Bra96b, Bre90, Bru94, BPV99, BC98, Car96, CGJ95a, CGJ95b, Che91,



CT92a, CT92b, CT94, Coh93, Coh95, Cop94, CFN95a, CFN95b, Cot91, CHT96, CRV92, CMM90, DS99, DCNZ96, DHNL<sup>+</sup>99, EL91, EL93, EDK97, Fal91, FJP97, FK91, GANT99, GS91, Gla92, GHS91, GMP91, GL98b, GL99, HT94, HT95, HM93, HS95a, HM97, Hu98, Iya95, KL97, KX94, KB97, Ked98, KSS98, Krö91, Kvæ90, Lar97, LTW98, LSS99, LT91a, LM94b, LSEG91, Liu94, LO93, LO95, Mac94b, Mak94, Mel97, Mel98, MPR96, MM98, MS98, Néd94, NW96, NW98, Nie94, Nii92, OR92, Pal96, Pes96, Pet91, RR94, Ren90, Rob94]. **equations** [Rum90, SV98, SW99, Sha96, She96, SA94, Sma95, Sma99, SV90, Ste97a, Ste94a, SdW99, Sty93, Tem94a, Tra95, vBv92, Ver94, Ver98, Wal92, Wal99, Wal21, WL99, XZ94, XZ96, XZ99, Yin90, Yin98, Zha90a, Zha90b, Zha93a, Zha95b, ZF93, Zhu92, Coo98, Elm97, Kar97, Kin97, Kin99b, Mat97, Wah97a]. **equidistributed** [L'E96, L'E99b]. **equidistribution** [EHL97]. **equivalence** [JM92, JMS95, JMS97]. **Equivalent** [Wei97]. **Eratosthenes** [CG90b]. **Erdélyi** [Köl97h, Köl97c]. **Erdos** [BL90, Coh98, LSW97, Zha93c]. **ERH** [Rum93b, Rum93a]. **Eric** [Wag98]. **Eriksson** [Coo98]. **Errata** [RW92, FW94, Köl97c, Köl97a, Köl97b, Köl97d, BR05, BR11, Köl95, Köl97e, Köl97g, Köl97f, Köl97h, Lam96, Lam97]. **Erratum** [Tho94, Woz97b, Fik98]. **Error** [Bai94a, By99, Cal92, CT94, CPS92, DDP95, Die94, DS91, Dur99, Ehr94, EL92a, EL92b, It91, JSW99, Leb94, Léc96, LP92, LM90, Mit90, NPV91b, Ste90, Ste92, Al 94, AM94, Bra93, Cal91, CS95, Car96, Car97a, Car97b, Cha94b, CCF94, CG96b, CG97, CL91b, DLP93, DM99, DN90, EL91, Fan98, Gas93, GT94, HJ95, Hic98, HL94, LST96, Nie96b, Nii92, NPV91a, Noc95, Noe96, Pao97, Sch99, SW96, Sch98a, She96, Tad93, TT95, Ver94, Ver98, WL99, Wei94, WH99, Ziv95, Ziv99a, de 96, ELV91]. **errors** [vS96]. **Escott** [Mal97]. **essentially** [Ber98]. **Estep** [Coo98]. **estimate** [Car97a, Car97b, Cha94b, CCF94, Leb94, Pao97, TT95]. **Estimates** [BX91, ELS93, NPV91b, Al 94, BLSW96, BL95, BS94b, BS99, BPWX91a, BPWX91b, BP93, CS95, Car96, CT94, CG96b, CG97, CL91b, CLT94, DLP93, Die94, DN90, Dur99, EL91, EL92a, EL92b, Fan98, FP90, Gas93, GT94, HJ95, JSW99, Kny97, LP92, LST96, Mit90, NPV91a, Noc95, Noe96, SW95a, SW96, Sch98a, She96, Tad93, Tra95, Ver94, Ver98, WL99]. **Estimating** [CJT97]. **estimation** [Auc96, By99, Rum96]. **estimators** [DDP95, WH99]. **Euclid** [Tei98]. **Euclidean** [Cla96, GS93, RS96b]. **Eugene** [Loz96, Qua96a]. **Euler** [Dil92b, Bre94d, Dil92a, Krö91, SW94, Yin98]. **Euvrard** [Ano95t]. **evaluating** [SV90]. **Evaluation** [CG90a, Sem98a, Tak94, BD92b, Car98, Chi95, Cra98, LG97, LO94, McL94, Mon94a, Rab90b, Sem98b, IX96]. **Even** [Hun91]. **Every** [HC98]. **evidence** [BH93]. **evolution** [Car94, FK91, HS95a, LST96]. **evolutionary** [DVZ94, FSSC90]. **Exact** [HW92, Ziv95]. **example** [Wri96]. **Examples** [van99]. **exceeds** [HC98, Ian99]. **Exceptional** [BN92, NS98]. **excursion** [Oli99]. **Exhaustive** [Fis90]. **Existence** [Fan98, ESA94, FMOS98, GMP91, JKN91, Nie92a, Nie92b]. **Expansion** [BBG91, Rum96, Ada95, Boy96b, Boy96c, Dom96, Fly98, Sch98a, VC94]. **Expansions** [Kei92, BF92, Boy96a, Eck93, Eck95, HHM94a, HHM94b, Mac93, Tem94b]. **experiences** [BH97]. **Explicit** [Bac90, BS94a, BS96a, Bos93a, Bos93b, DD92, DM99, EHI94, GHO92a, GHO92b, OS92, ACM98, GF97, GM96, JZ92, OZ91, VZ95]. **Explicit/implicit** [DD92]. **Exponent** [KM91, WW97]. **Exponential** [BBN99, RS90, Ste92, Apo93, GS95, Grö99, Kui95, RS94, Sty93, Wag94, Wal91]. **exponents** [Lou95, Sut98]. **Extended** [CMO90, BS96c, CMV92, GL96, HST93]. **Extending** [KW90]. **Extension** [GH97, Apo93, Cik94, FS95, HT94, LLS96, MS90, Sch93a]. **Extensions** [Del92a, Bun97, DP96, JKN91, Lou92]. **exterior** [HHM94a, HHM94b, Li99]. **extraction** [SW99]. **extrapolation** [Lyn94, Sid95, Wan91, XZ96]. **extrema** [LL99]. **extremal** [Che96c]. **F** [Köl97e, Köl97d, Köl97h, Shi96, Wah97a]. **F** [Bos98, Köl97c, Köl97h]. **Faber** [GHO92b, BH94a, CSW92, CM95, GHO92a, He94, Kui96]. **factor** [BE99, Car91, ELS93, HC98, Jha95]. **factored** [Wil93]. **Factoring** [LM94a, Nie94, Roe99, SW98, Wan90, WS94, KS98, McK99, MS90, SW93, Val91].



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CL91a, CH90b, CHS90, CT92a, CT92b, CT94, CCF94, CL91b, CL91c, CMW95, CLT94, DDP95, DDD91, DM99, Dol99, DL92, Dur99, Eck95, EL92a, EL92b, EL95, EJ93, Fal91, FO94, FMOS98, FK93, FP96, GASS91, Gir95, Gol91a, GHS91, GMP91, GS97, HM98, Han96, HM92b, Hip99, HWC99, HGK98, Iya95, KS98, KM98, KS92, KLL96, LSS99, Leb94, LL98, Lin98, Liu94]. **finite** [MW94a, MP95, MM94b, MM94c, MSS97, Mül97, NRS95, Nie94, NG95, NPV91a, Noe96, OS91, OS97, Pil90, RS96a, RVW96, SW95a, Sch98a, Sch96b, SS94, SS96a, Sem98b, Shp93, Sou94, Ste90, Ste97b, SO91, Sü192, SBS95, Sur97, Sut98, Tei98, Ver98, Wal92, Wan90, Wan97, Wan91, WH99, XZ99, Zen95, Zha90a, Zha90b, Zha94, Zha95b, Zha98b, ZF93, Zho97, Živ99b, Ver94]. **Finn** [Gil98]. **First** [BDM90, Yan90, AS91b, BS99, BLP97, Car96, Car97a, DS95, Isa96b, Jha95, Kap95, KB97, Kin99b, Nic99, Wal92]. **First-Kind** [Yan90, AS91b, Car96, Car97a]. **first-order** [BS99, Wal92]. **fits** [Bai94c]. **Fiume** [Loz96]. **five** [DD93]. **Flannery** [Loz98c]. **flow** [BF93a, BWW97, MP96]. **flows** [CIZ97, CH98, HR94]. **fluid** [BDR98, HR94, RS96a]. **fluid-solid** [BDR98]. **fluid-structure** [RS96a]. **Flux** [CG97, CL91c]. **Flux-splitting** [CG97]. **Form** [BL90, Cos91, Coh96, CK95, MPR96, Oli98, Sma95]. **Forms** [Hun91, Leh92a, Sko92, Bea97, BPX91b, CLR97, CW94, EK97, HB92, Ish95, Kap95, Leh92b, Leh97, LJ96b, vv93b]. **Formula** [AW97, DLD90, FO93, GASS91, GF97, GR95, Neu94, RS94, de 96]. **Formulae** [BN90, RS90, Ben98a, CS96b, Ehr94, EG99, GN96, Not92, Wei97, Xu94b]. **Formulas** [vSv92, CMM90, GM96, Hab93, Lau96, MM94a, Peh90a, Peh93, VV93a, Xu94c]. **formulation** [SS91]. **formulations** [EST90]. **Fornberg** [Shu97]. **Fortan** [Loz98c]. **Fortran** [Loz98c]. **forward** [AL91]. **forward-backward** [AL91]. **Foufoula** [SS96b]. **Foufoula-Georgiou** [SS96b]. **four** [BCEM93, CD97, Ekl96, GS93]. **Fourier** [Cal91, HA93b, LG93b, Nie96c, CB93, DGPR92, Eck95, HA93a, LG93a, Mas98, ST91]. **Fourier-cosine** [ST91]. **Fourier-sine** [ST91]. **fourth** [BCM92]. **fourth-order** [BCM92]. **FPGA** [BB94b]. **fractional** [HR93, OR92]. **fractions**



[LS93a, Lor94, Shi95]. **frames** [RS98]. **framework** [CV95a, CV99, MS97b]. **Francoise** [Ste97b]. **Frank** [Qua97]. **Frayssé** [Ste97b]. **Frederico** [Ste99a]. **Fredholm** [HM93, Hu98, KX94, Lin94]. **free** [AB97, GN92, HS97b, SS91, Ye94]. **free-boundary** [SS91]. **freedom** [CJT97]. **frequency** [AV99, Ste96b]. **Friedman** [Isa96a, Köl97e, Köl97d]. **Friedrichs** [BL94, Che91]. **Frobenius** [Pil90]. **Front** [Shy94]. **full** [Bre99a, LT99]. **fully** [BL95, Kvæ90, Zha93a]. **Function** [Den90, Kei92, Alz93, Alz97b, BD92b, BF92, Car98, CHT96, CSV94, Cus93, Dem95, Dom96, Fly98, GLW99, GS95, GN92, LSW97, MM97, MST99, PR99, SW92, SW94, Shi96, Wah97b, Wan99, Wei94, XZ97, Ziv99a]. **functional** [Lar97, Tho94, dB98]. **Functions** [Ber90, BBG90, EM92a, Köl90, MN90, RS90, Tem92, AT99, Alz97a, Bai94c, Ben98a, Ber94, BR94, CM94a, CY92, CK99, DVZ94, Dim96, Eck93, Eck95, Eck98, EM92c, EM94, FS92, FO93, FK91, GS90, GN96, GLW99, GF97, GM96, Grö99, GR95, LSW94, Lou92, LO94, Mac93, MST96, MM94a, MM95, MS98, Mül97, NW94, OW97, Peh93, RS94, RS96b, Rum96, Sch99, Sch97, SZ90, Str92a, Tol97, Wal91, WG92, Wen99, Wim98, YC93, YZ97, ZZ97, SSW99, Köl97c, Loz98b]. **Fundamental** [Hig96, BBG93, SSW99]. **fundamentals** [Ste99a]. **Further** [Bur96, LSW97]. **fused** [LF93]. **fuzzy** [Kli96].

**G** [Bra96a, Fal96, Kel95, Köl90, Köl97c, Köl97h, Tem98, Wah97b]. **G.** [Che96c, Kin99a, Ser97a]. **Galerkin** [Arn97b, AL91, BO94, BS99, CHS90, DD92, DMT93, FSSC90, GANT99, GM92c, HST98, JS94, KM98, LTW98, Ric92, SW96, She94, Tem91, Tra95, WL99, Wen99, Zha93a, ZF93]. **Galois** [CM94a, Cla96, MM97]. **Gamma** [Tem92, Alz93, Alz97a, Alz97b]. **Gander** [Ste96a]. **Gaps** [CD99, Nic99]. **Garrett** [Sha96]. **Gary** [Hou96b, Shu96]. **gas** [CL93]. **gauge** [Du98]. **Gaunt** [IX96]. **Gauss** [Ehr94, FvS99, GvP98, GM96, KX94, Lau97, Not92, Peh90b, ZH90]. **Gauss-type** [KX94]. **Gaussian** [EG99, FP90, För94, Gau91a, GKO95, GZ93, Lau96, Peh93, Sch97, Xu92]. **Gautschi** [Len97, Ste99b, Ell96]. **GBDF** [Sul93].

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**H** [Gau96, Kea97, Loz98c, AFW97]. **H**. [Auc96, Kok96, War96, WH93]. **Hackbusch** [Ano95v, Ste97a]. **Half** [Coh95, EL91, Gau94, Len97]. **half-century** [Gau94, Len97]. **half-line** [EL91]. **Half-step** [Coh95]. **Hamilton** [CFN95b, CFN95a]. **Hamiltonian** [ASS93, Hua91, LR94, OS92, Sei99, vKP95]. **Hammarling** [Cai96]. **Hammerlin** [Ano95g]. **Hammerstein** [KX91]. **Handbook** [Bra96a, Köl97d, Qua96a, Kli96, Köl90, Mea96, Köl97e]. **Hans** [Wag96b]. **Hansbo** [Coo98]. **Harald** [Sch96b]. **Hari** [Nie96b]. **Harmonic** [Spi90, AV99, Coh97a, Zhe94]. **harmonics** [Gel97]. **having** [RS95, Rob93]. **heat** [AL91, DDD91, HS94, Hon99, LM94b]. **heating** [EL95]. **Hecke** [Gec93, Kno93, Leh90]. **height** [BB93, CS96a, Sil90]. **heights** [Dre98, Sil97, Sil99a]. **Heinz** [Che97]. **Helmholtz** [Ad97, Li99]. **Hemker** [Ano95n]. **Henri** [Sch96a]. **Henrik** [Gil98]. **Henson** [Nie96c]. **Hentenryck** [Kea98]. **Hereditary** [Den90]. **Hermite** [By99, Coh96, FN95, FK91, NW94, PT92, PT94, Qua96b, Žen95]. **Hermitian** [CMP98, EK97, Til97]. **Hessenberg** [vS96]. **Heuristics** [CM94b]. **Hierarchical** [Dör92a, Dör92b, Ste96b]. **High** [Hou96b, MS98, Wah98a, AS91a, CL97a, Eck98, FW90a, HJ95, KM90, LSW94, MS97b, iN97, Roe99, Shy94, Yan96b, Yan96a]. **high-accuracy** [MS97b]. **high-degree** [Roe99]. **high-dimensional** [LSW94]. **high-order** [HJ95, KM90]. **high-rank** [iN97]. **high-resolution** [Shy94, Yan96b, Yan96a]. **Higham** [Van97]. **Higher** [Köl97c, SZ92, Sur90, Gur90, Noe96, SA94]. **Higher-Dimensional** [SZ92]. **Higher-Order** [Sur90, Gur90, Noe96, SA94]. **highly** [Loz97, Mac97, Noc95]. **Hilbert** [Wei95]. **Hill** [Köl97h]. **Hilliard** [EL92b, BB99a, EL92a, Sun95]. **history** [Isa94]. **hodograph** [FN95]. **Hohmann** [Isa96b]. **Hölder** [GP99]. **holders** [Oli99]. **holomorphic** [Pal94, Pal95]. **Holt** [Kel95].

**homogeneous** [Cop94, HDJ94]. **homotopies** [LW91, LW93]. **Homotopy** [LZ92]. **Homotopy-Determinant** [LZ92]. **honor** [Ell96]. **Hopf** [ABZ95, EL93]. **Horst** [Gau96]. **Hoschek** [Ano95b]. **Hřebíček** [Ste96a]. **Hubbell** [Kha99]. **Hunt** [Sha96]. **Hunter** [Bia90]. **Hurwitz** [CK99, Leh90]. **Hybrid** [Vas92, NRW95]. **Hyperbolic** [JSH90, CHW99, Cha97, Cha99, Che91, FG91c, GS91, GT91, LSEG91, Ren90, Wal92, Yan95]. **hyperelliptic** [PR99]. **hypergeometric** [LP95, Lor94]. **hypotenuse** [Ziv99a]. **hypothesis** [BS96c].

**I**. [Kea97, Köl95, Lam97, Res97]. **IBM** [Roe99]. **Ideal** [Del92a, Smy91, Lou95]. **ideas** [Ste94a]. **Identities** [Spi90, BBG98]. **Identity** [BBG91, BBG93]. **II** [AL95b, BL96, CG97, EG91, EM94, MN90, MM98, NW96, Ols95b, PP93, SW95a, Zha90b, Živ94b]. **III** [Ste99c, Zha95b]. **Ilin** [Wah98a]. **ill** [AY94, ACEO98, Car94, Ser97b]. **ill-conditioned** [AY94, Ser97b]. **ill-posed** [ACEO98, Car94]. **ILU** [CV95a]. **Ilya** [Nie96a]. **Image** [CG93]. **imaginary** [BF92, BG99b, CW94, Gir93a, Gir93b, Hig98, Lou92, Lou95, PR99, Sho99, Yam94]. **immersed** [AY94]. **impasse** [RR94]. **implementation** [AC95, CB93, Coo91, Ste94a]. **Implications** [Laz94]. **Implicit** [ACM98, WT90, Coo91, DD92, Kvæ90, Len91a, MO93, vSC92]. **Implicit-explicit** [ACM98]. **Implicitly** [MS97a]. **Imprimitve** [DO95]. **improper** [XZ94]. **Improved** [BG92a, BCT91, EH94a, GH94, Sch99]. **Improvement** [Str92b]. **including** [BP93, DR98b]. **Incomplete** [Tem92, Alz97b, BTW90, Dom96]. **incompressible** [BDR98, GMP91, Kar97]. **indecomposable** [LS94, Sch93c, Sch93b]. **indefinite** [BLP93, Hab93, XC92]. **independence** [EH93]. **independent** [SA94]. **index** [BC98, Kvæ90, MPR96]. **index-** [BC98]. **India** [War96]. **inductive** [But94]. **Industrial** [Isa96a]. **industry** [Rud98]. **inequalities** [Alz93, Alz97a, Alz97b, AL95b, BBP96, CQS98, Che96c, KT90, Noe96, Sch98a, Yan96b, Yan96a]. **inequality** [CGT97a, CGT97b, JS94]. **inertial** [GANT99]. **inexact** [BPV98, Mar90, Mor99]. **inf**



[DN90]. **inf-sup** [DN90]. **Infinitary** [Coh90]. **Infinite** [BBG90, Goe98, GL98a]. **Infinitely** [Wal91]. **infinity** [Ada95, LW91]. **influence** [Zhu92]. **information** [KP92, OW97, WG92]. **inhomogeneous** [HT95, Lev92]. **Initial** [Ste94a, AD91, CDL97, DS93, GT91, Hon99, Hun92, Hun98b, LS91b, Mat97, Wu95, Zhu92]. **initial-boundary** [GT91, Hun92, Hun98b, Wu95, Zhu92]. **initial-Neumann** [Hon99]. **initial-value** [Mat97]. **inner** [BLP97]. **input** [MS98, Shi95]. **Integer** [Coh90, Jus90, LSK91, Bai96, BE96, CF94, FBA99, HS97a, Val91]. **Integers** [HMW90, BGN93, CD97, CD99, De 95, EL96, Fla96, Gra98, HP99, HS97b, MTU94, Wag94, WS94]. **Integral** [Pea96, Ste97a, Tem97, Yan90, AC90, AS91b, Bru94, Car96, Car97a, CH98, Coh97a, CRV92, CMM90, DP96, Dre94, EL93, Fly98, Gaá96, GP97, HM93, JKN91, KX94, Kha99, Köl97h, Lin94, Mak94, Mon94a, MS98, Néd94, Pal96, PP93, SV98, SH98, SW99, Sou94, XZ94, XZ96]. **Integrals** [Car92, Köl97a, Köl97b, Köl97g, Rab90a, Bia90, Car91, Chi95, Die94, Fik98, GT94, GL98a, HT91, KX94, Köl95, Köl97e, Köl97d, Lam96, Lam97, Rab90b, Rab91, VC94, Wei94, XZ94, Köl97f]. **integrands** [Cro93, Rab90b]. **Integration** [Dim96, LSK91, NS90, Del90, EB99, Gol91a, GT93, Hab93, HMN93, LT94a, LSW94, Léc96, LR94, MM94a, MM95, Nie92a, Nie92b, Pal96, Sei99, SW97, Kea97]. **integrators** [BC98]. **Integro** [WT90, CTW92, Hu98, LTW98, Mak94, Zha93a]. **Integro-Differential** [WT90, CTW92, Hu98, LTW98, Mak94, Zha93a]. **intensity** [Bre99b]. **interaction** [Mas94, RS96a]. **interface** [AD91, LM94b]. **Interfaces** [LM90]. **interfacial** [CH98]. **Interior** [Tod96, RVW96, SW95a, Gas93, PJV94, Tod98]. **Interior-point** [Tod96, PJV94, Tod98]. **Intermediate** [BG92a, Zha98b]. **International** [Wah98a, Isa96c]. **interpolant** [BBN99]. **interpolating** [CMX99, FT91]. **Interpolation** [Bra95, CSW92, CMO90, HTS90, Hu98, MN90, dR92, Ber94, BC97, CD96, CMV92, EM97a, FN95, GL96, JSW99, MS97b, NW94, PT92, PT94, Qua96b, SX95, Sch99, SZ90, VV93a, Xu92, de 96].

**interpolatory** [CD96, Dem96]. **interval** [Abe94, Ber94]. **intervals** [FG91b, HP99, MES98]. **intractability** [SW97]. **Introduction** [Sch96b, Che94c, Loz96, War98, Wim98, dB98, Ste99b]. **invariant** [CMX99, Du98, FS95, LW91, MS95, Ura96a, Ura96b, Xu94a]. **Invariants** [EM92b, BCEM93, CM96, EM91, KS93a, KS93b, Tay96]. **invented** [Roj94]. **Inverse** [Che97, Buf90, Che94c, RS92, Wan99]. **Inversion** [DGPR92, Tem92, CV95b, MST96]. **Inversive** [EH91, EHN97, EHN92, EH93, EHI94, EH94b, EH94a, EHE96, Emm96, Nie90]. **invert** [MS97a]. **investigations** [Bur96]. **Involving** [Spi90, FO93]. **Irreducible** [Sho90, Sou94, BR90, BC94, BH97, HM98, OS97, Wan97]. **Irregular** [BCS92, BCEM93, Grö92, Grö99, BLS94, CG97, Noe96, Sch98a]. **isentropic** [CL93]. **Iserles** [Fal98, Kin99b, Tho97]. **Isomorphisms** [Len91b]. **isoparametric** [Leb94]. **isospectral** [CIZ97]. **István** [N.93]. **Iterated** [Bru94, EDK97, Odl93]. **iteration** [BS90a, DCNZ96, DJLZ97]. **Iterative** [BLP93, EG90, EG91, Elm96, Elm97, GM92c, GL99, MS93, Sil99b, BPWX91b, CV95b, MP96, MES98, Woz94, Woz97b]. **IV** [CHS90, GS95]. **Iwasawa** [FS95].

**J** [Bai96, CMM92a, Gau96, Hou96a, Isa96c, Kin97, Leh92b, Res97, Sha96, Tod98, Van97, Wri97]. **J.** [Bra96a, Bra96b, Cai96, Dav96, Hol96, Isa96c, Res97]. **J.-I.** [Res97]. **J.-L** [Res97]. **J.-L.** [Bra96b]. **Jack** [Hou96a]. **Jacobi** [CFN95b, Mac94a, CFN95a]. **James** [Mea96, Kel95, Wat98, Wri96]. **Jean** [Bar96]. **Jeffrey** [Wag98]. **Jenn** [Nie96b]. **Jenn-Dong** [Nie96b]. **Jensen** [Gil98]. **Jianming** [Loz98b]. **Jin** [Loz98b]. **Jíří** [Ste96a]. **Joe** [Kea97]. **Johann** [Knu93]. **John** [Auz98, Gau96, Loz97, Sha96]. **Johnson** [Coo98]. **Jose** [Ste99a]. **Joule** [EL95]. **Juan** [Fal96]. **jumps** [MB96, Osw99]. **justification** [Zha98b].

**K.** [Coo98, Mat97, Wah97a]. **Kalachev** [Shi96]. **Káтай** [Pih93]. **Kato** [IK98]. **keep** [LW91]. **Keller** [Kel95]. **Kelley** [Elm97]. **Kernel** [KX91, AS91b, CTW92]. **kernels** [BG99b, Pal96]. **Kevin** [Sha96]. **Khintchine** [BBC97]. **Kiev**



[Köl90]. **Kind**  
 [Yan90, AS91b, Car96, Car97a, KX94, KB97, Pal96].  
**kinetic** [KP94]. **Kirkman**  
 [CMM92a, MPR95, CMM92b]. **knots**  
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 [PSZ90, IJ96, IJ99]. **Kolmogorov**  
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**Kowalski** [Qua97]. **Kraft** [Ano95u]. **Krasikov**  
 [AL95b]. **Kreiss** [LS91a]. **Krishna** [Nie96b].  
**Křízek** [Bre96a]. **Kronrod**  
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 [Qua97]. **Krylov** [Sch92]. **Kumar** [SS96b]. **Kuo**  
 [Nie96b]. **Kuo-Yu** [Nie96b]. **Kuperman** [Gil98].  
**Kutta**  
 [ASS93, BC98, CHS90, Coo91, CL99, GP99, GS98,  
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**Kuznetsov** [TT95].

**L** [Bar96, Bra96a, Mat97, Mea96, Nie96c, Noc96,  
 Res97, Sha96, Wri96, Wri97]. **L**.  
 [Bra96b, Bre96c, Kar97, Tem97, Wah98a].  
**Lagarias** [DR96]. **Lagrange** [Al 94, BC97,  
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**Lagrangian** [CGT97b, CGT97a, LS95]. **Laguerre**  
 [DJLZ97, Str92a]. **Lanczos**  
 [Isa96c, Bun97, Tei98, Bai94a, Huc95, Ye91, Ye94].  
**Landau** [Du98]. **language** [Kea98]. **LAPACK**  
 [Cai96]. **Laplace**  
 [Tem98, AC90, BF93b, CV95b, SH95, Str92a].  
**Laplace-modified** [BF93b]. **Laplacian** [BL93].  
**Large** [Che91, Cot91, Dub96, Phe90b, You98,  
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**large-integer** [CF94]. **large-scale** [NY97].  
**Large-time** [Che91, Cot91]. **larger**  
 [Zha93b, Zha94]. **Largest**  
 [IJ96, IJ99, PSZ90, Gra95, Ian99]. **Larry** [Bar96].  
**Lars** [Arn97b]. **Lasser** [Ano95b]. **last**  
 [Cop90, DS95]. **Lattice**  
 [DS91, JS92, Kea97, LS93b, NS90, SL90, BW96,  
 Cha92, CL94, Hob98, Joe93, L'E99a, Lan96, LJ96b,  
 Nie92a, Nie92b, SW90, Sut98]. **lattices**  
 [CL96, PP93, SH98]. **Lau** [Kok96]. **Laura**  
 [Che96d]. **Laurent** [Bar96, Kea98]. **Lawrence**  
 [FS95]. **Laws** [JSH90, Cha97, Cha99, CDT93,  
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 CL91c, CFN95a, CFN95b, Fan98, HR93, LW96b,  
 LW97, TT94, ThT97, vBv92]. **Lax** [BL94, Che91].  
**layer** [BS94b, HS94, SS94]. **layers** [SS96a]. **Layne**  
 [Gau96]. **Least**  
 [Mar92, BG94, BLP97, BS98, Cha94b, Col97,  
 ELS93, Fas97, Lev98, Mar90, PJV94, RAG91, ZF93].  
**Least-Change** [Mar92]. **least-squares**  
 [BLP97, Fas97, Lev98]. **Lebedev** [dB98]. **Lectures**  
 [Ste97b, Kin99a]. **Legendre** [BD92b, CK99].  
**Lehman** [Leh92b]. **Lehmer**  
 [CSV94, Dar91, DR96, LL93, Ray94, Vou95].  
**Lehmers** [Apo93]. **Lemarié** [Lai94]. **Lemoine**  
 [Pih93]. **length** [Ada95, ESA94]. **Leonid** [Shi96].  
**Lepingle** [Ano95h]. **less** [ESA94]. **Letac** [Smy91].  
**level** [Bre96b]. **Levels** [Leh92a, Leh92b]. **Levesley**  
 [Kin97]. **LFSR** [L'E99b]. **Liapunov** [ABZ95].  
**library** [Kok96]. **Lidl** [Sch96b]. **Light** [Kin97]. **like**  
 [CLR97, Ekl98, Yin94]. **limited** [NY97]. **limiting**  
 [OW94]. **Lin** [Nie96b]. **line** [EL91, Wei95]. **Linear**  
 [BD92a, Ber94, BS92b, HW92, KT90, Peh90a,  
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 Bre94a, Bre94b, Cop99, Cop94, CL94, CL96,  
 EDK97, EG90, EG91, Elm97, Fal91, Gur90, HT94,  
 HT95, Hig94, HS95a, KP92, Kal95, L'E99a, Len91a,  
 LS93a, LO95, Nii92, PJV94, RR94, RI96, Rum90,  
 Sil99b, SV90, Ste99c, Wal92, Wat98].  
**linear-quadratic** [Ben98b]. **linearization** [Sho98].  
**linearized** [Krö91, Sun95]. **lines** [BF92]. **Links**  
 [DH91]. **Lions** [Bra96a, Bra96b, Res97]. **Liouville**  
 [Abr95, Bou99, Cha94a, RS92]. **Lipschitz** [Bra95].  
**Lipsman** [Sha96]. **little** [Sil97]. **Littman** [Isa96a].  
**Lloyd** [Ste99c]. **Local**  
 [ELV91, Mar90, Mar92, WBL94, CD96, CH96,  
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**localized** [CLM94]. **locally**  
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 [AB97, SS94, SBS95]. **Locking-free** [AB97]. **LOD**  
 [Hun92]. **logarithm** [FR94, Rüc99]. **logarithmic**  
 [AS91b, Cro93, Sid95, Wal91]. **logarithmic-kernel**  
 [AS91b]. **logarithmically** [Van94]. **logarithms**  
 [AD93, MST99, Sem98b, Sem98a]. **Lommel** [FS92].  
**Long** [TW94, HHM94a, HHM94b]. **Long-time**  
 [TW94, HHM94a, HHM94b]. **longest** [RI96].  
**longest-side** [RI96]. **Lorenz** [MM98]. **Low**  
 [Huc95, AV99, Dre98, TF93]. **low-frequency**



[AV99]. **Low-rank** [Huc95]. **Lower** [EHN92, Nie90, BCT91, EH94a]. **Loyce** [Wri97]. **Lucas** [GC93, Arn97a, DK99, GP91, Mus93, Vou95]. **Luigia** [Che96d]. **Luís** [Fal96]. **lumped** [EG99].

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[Che96c, Ell96, Fal96, Fik98, Kin97, Köl95, Köl97e, Lam96, Lam97, Loz97, Nie96a, Rud98, Wim98]. **M**. [Bre96a, Kin97, Köl97d]. **MA** [Fik98, Lam96, Lam97]. **Maass** [HA93b, HA93a]. **MAC** [NW96]. **machine** [Loz97]. **magnetic** [Zhu92]. **magnetohydrodynamics** [GMP91]. **Magnus** [Köl97c, Köl97h]. **Mahler** [Fla96, Mos98, RS95, Td91]. **maintaining** [Kli96]. **Mangasarian** [Noc96]. **manifolds** [CHW99, GANT99]. **Manin** [Ura96b, Ura96a]. **manual** [Nie96c]. **MAPLE** [Ste96a, Mea96, Wri96]. **mapping** [LS98]. **maps** [Pil90]. **Marchuk** [Ano95y]. **Marek** [Qua97]. **Marián** [Hol97]. **Marichev** [Köl97a, Köl97b, Köl97g, Köl97f]. **Markov** [MS93, ZH90]. **Marletta** [Kin97]. **Martha** [Mea96, Wri96]. **Martin** [SW95b, Ste98b]. **Mascagni** [Gau96]. **mass** [EG99]. **matching** [LS95]. **Math** [Ano92, BO94, BW96, CH90a, FW94, GC93, JMS97, LLMP95, MPR95, Mor90, Tho94, Woz97b]. **Mathematica** [Sha96]. **Mathematical** [Che96a, Shu96, Bre96c, Leh93, Wim98]. **Mathematics** [Isa94, Len97, Res97, Gau94, Isa96a, Laz94, Wah98b, War96, Zha98a, Gau94, Len97, dB98]. **Mathon** [CMM92a]. **MATLAB** [Ste96a]. **Matrices** [Pan90, BS90a, CMP98, CY92, GKO95, Grö99, Hig98, Mac94a, Oli98, Til97, YC93]. **Matrix** [Sch92, BL96, Buf90, EM95, GL99, Hig96, LLS96, LS91a, Li94a, NW94, Nie95, Sou94, Swa93b]. **matrix-valued** [NW94]. **matters** [Pin99]. **maximal** [Gra95, Nic99]. **Maximally** [L'E96, L'E99b]. **Maximum** [KP94, Oli99, Žen95, SW95a]. **Maximum-angle** [Žen95]. **maximum-norm** [SW95a]. **Maxwell** [AV99, BB99b, NW98]. **Mayers** [Wah97a]. **McGraw** [Köl97h]. **McGraw-Hill** [Köl97h]. **McKean** [BT97]. **McKenney** [Cai96]. **Mean**

[It91, Ad97, Coh97a]. **measure** [Fla96, Mos98, RS95]. **media** [CL91a]. **Mediants** [Bos90]. **medium** [WL99]. **Méhauté** [Bar96]. **Meissel** [DR96]. **Melas** [vSv92]. **memory** [LST96, NY97, TW94]. **merit** [AMN90]. **Mersenne** [CW91, KM91]. **meshes** [BCMR95, Car96, FMOS98, LJ96a, Neu94, Noc95, Sül92, TB97, Zha90a, Zha90b, Zha95b]. **Meshless** [Wen99]. **metallic** [Lev92]. **Method** [BBG91, CPS92, DGPR92, DS91, KX91, NPV91b, Ric90, Ric92, Yan90, Abr95, AY94, Ale91, AL95a, AN92, Arn94, ABZ95, AM93b, AL91, BS92a, By99, BWW97, BTT94a, BTT94b, BS99, BT97, BBP96, BK94, BS98, Bre90, Bre94a, Bre94b, BPV99, BR94, CHL99, CDL97, Car97b, CH98, Cha94b, CGJ95a, CGJ95b, Che94b, CQS98, Cho97, CHS90, CT92a, CT92b, CT94, CL99, CHT96, CV95b, DR96, DM99, Dol99, Eck98, EDK97, EL92a, EL92b, Emm96, FSSC90, FP96, GANT99, Guo95, GS97, GL98b, HS94, Han90, HT94, HST98, HR93, HWC99, HGK98, HS95b, Hun98a, Iya95, KM98, Kha99, Lab98, LTW98, Léc91, Lev92, LP95, Liu94, Lu98, Mac94a, MP96, McK99, MP95, Mit90, Mor96, MSS97, Nie95, NPV91a, NRW95, OS91, Sch98a, SW92, SS96a]. **method** [Shi96, Sho98, SV90, Ste99a, Ste96b, SS96c, Sur97, Tei98, Tem91, Tra95, Vv96, Wan99, Woź94, Woz97b, XC92, XZ96, Yin94, Yin98, ZZ97, ZF93, Zho97, DOSS91, tR94, Bun97, Nie96a]. **Methods** [BDM90, GM92c, Hou92, JSH90, LM90, Mar92, Mas94, OS92, SZ92, Sur90, WT90, ASS93, Ach99, ACM98, AC95, AB97, AC90, Auz98, BLS94, BF93b, BG94, BPWX91b, Bra94, BS92b, Bre96a, Bre96b, Bre99a, Bre99b, Bru94, CS95, CMP98, CEL96, CO98, CL91a, CCF94, CG96b, CG97, Col97, Co91, CRV92, DVZ94, Del90, DMT93, DL92, DS93, EL91, EL93, EG90, EG91, Elm97, EJ93, Fal91, FO94, Fal96, FMOS98, Fas97, Gal92, Gol91a, GP99, HDJ94, Hal96, HS95a, Hol96, Hon99, Hun92, JZ92, JS94, Kea97, KS92, Kvæ90, LT94a, Len91a, LR90, LM94b, Li94b, LT94b, LG93a, LG93b, LO93, Mak94, MS93, Mar90, Mel97, MS98, Mon94a, MS98, Mor99, Mus93, OR92, OZ91, Ren90, SW95a, SW96, Sch91, Ser99, She94, She96, Shy94, Sil99b]. **methods** [Ste90, Sul93, Sül92, TT94, ThT97, Tem94a, TG94, TV93, VZ95, Wag96b, Wan91,



Wen99, Zha90a, Zha90b, Zha95b, Wah98a, Arn97b, Bre96c, Elm96, Shu97, Tod98, Wri97]. **Micchelli** [Che96a, War96]. **Michael** [Gil98, Gau96]. **Michel** [Kea98]. **microfiche** [BR98, BN92, DO95, DH91, DJ91, DH94, Sou94, YR92]. **microstructure** [CP97, LL98]. **microstructures** [KLL96]. **midpoint** [Hun98b]. **Miller** [Arn95, DR96]. **Million** [BCS92, EM92b, BCEM93]. **Milovanovic** [Che96c]. **Mindlin** [BS98, DL92, DHNL<sup>+</sup>99, Gas93, SS94]. **Minimal** [CS96b, GZ93, Pih93, SW96]. **minimum** [Fuj93, HH99b, PP93]. **Minus** [Sch98b, BLP94, BLP97]. **miscible** [CL91a]. **Mitrinovic** [Che96c]. **Mixed** [CL91a, Sur90, AC95, Arn94, Bre94a, Bre94b, Car97b, CEL96, CV99, CMW95, DL92, EG99, FO94, KS92, Lev92, MP95, RVW96, Wan91, WH99]. **Mladen** [Chu96]. **mobility** [BB99a]. **Model** [Ber90, ZH90, Che94b, Du98, DL92, EL95, Gas93, SS91, SS94]. **modeling** [Che96a]. **Modelled** [LT91b, LT91a]. **modelling** [Kea98]. **models** [Loz97, SBS95]. **modes** [DHNL<sup>+</sup>99]. **modification** [GL98b, Huc95, Yan95]. **Modified** [LF93, Ale91, Gal92, Mac93, BF93b]. **Modular** [BBG90, CLR97, Gol92, GM92a, Sko92, BBG93, Coh93, Coh95, CM96, Cre95, Gol91b, HS92, His94, San92, Val91, Was91, YZ97]. **Modular-Part** [BBG90]. **Modules** [Hay91, DM98, DH94, LS94, Sch93c, Sch93b]. **Moduli** [CD92, ADS98, CL96]. **modulo** [Per92, Wag94, Wag96c]. **Modulus** [Fis90, EHN92, EHI94]. **molecule** [NTS98]. **Molenaar** [Hol96]. **Mollin** [Coh97b]. **moment** [BS90b]. **Monier** [Arn97a]. **mono** [MO93]. **mono-implicit** [MO93]. **monotone** [CG97, DCNZ96, LL99, Nii92, TT95, XZ99]. **monotonic** [Dem90, Dem95]. **Monte** [Nie96a, BGLT95, HMN93, HM93, HM97, Léc91, Léc96, TW92]. **Montefusco** [Che96d]. **Moody** [Isa96c]. **Morgan** [Leh93]. **Morton** [Wah97a]. **most** [Ros95a, Ros95b, WW97]. **moving** [Lev98]. **MR** [Ano92, BO94, BW96, CH90a, Fik98, FW94, GC93, Köl95, Köl97e, Köl97g, Köl97f, Köl97h, Lam96, Lam97, LLMP95, MPR95, Tho94, JMS97, Woz97b]. **Muller** [Mai91]. **Mullineux** [Wah98b].

**Multiamicable** [CGH95]. **Multiconstrained** [EST90]. **multiderivative** [LR90]. **multidimensional** [CDT93, CHS90, CCF94, Nie92a, Nie92b, SW90]. **multigrades** [Smy91]. **Multigrid** [BP92, Bre99b, CO98, Gol91a, Hol96, SZ92, BPX91b, BPWX91a, BLP94, Bra94, Bra95, Bre90, Bre94a, Bre94b, Bre99a, LG93a, LG93b, Zha90a, Zha90b, Zha95b, ZZ97]. **Multilevel** [BPX90, HST98, BPX91a, BP93, CO98, Ste96b, Vas92]. **Multiple** [NS90, Cra98, JRZ98, Kea97, Nie95, SW97, Smi96, SS96c]. **multiple-precision** [Smi96]. **multiple-recursive** [Nie95]. **multiplication** [vW99]. **Multiplicative** [Fis90, BW96, Pow97]. **Multiplicities** [May92a, May92b]. **multiplicity** [KSS98]. **multipliers** [Swa93a]. **multiply** [CL97b, LF93]. **multiply-add** [LF93]. **multiply-with-carry** [CL97b]. **multipole** [Lab98]. **Multiquadric** [Buh95, Mak94]. **Multiresolution** [Tem94a]. **multiscale** [HWC99]. **multisplitting** [CMP98]. **multistep** [ACM98, AMN90, HS95a, Len91a, LR90, Li94b, Pal95]. **Multivariate** [CG90a, MN90, AS91a, BC97, Jia98, LG97, SX95, Sch94, Wan90, Xu94c, de 96]. **MUSCL** [BBP96].

**N** [Ste99c]. **N.** [Bai96]. **Nakamura** [Str92b]. **narrow** [Al 94, Dur99]. **natural** [Hob98]. **nature** [GS93]. **Naukova** [Köl90]. **Navier** [Kar97, Lar97, Cot91, GANT99, GHS91, NW96, She96, Yin90, ZF93]. **Nazareth** [Wri97]. **necessary** [Sul93]. **Negative** [BL95, BS98]. **negative-norm** [BS98]. **Neittaanmäki** [Bre96a]. **Nematic** [Ber90]. **Nemirovskii** [Tod96]. **Nesterov** [Tod96]. **nets** [HH99a, Léc96]. **networks** [CLM94]. **Neumann** [BH94b, GHS91, Hon99]. **Neural** [CLM94]. **Newton** [Ale91, CQS98, GL98b, Mar90, Mor99, NY97, Wan99]. **Nicely** [Bre97]. **Nicholas** [Van97]. **Nickolas** [Mey96]. **Nico** [Wim98]. **Nicolson** [Hun92]. **Niebuhr** [Kel95]. **Niederreiter** [Göt94, Nie92b, Roe99, Sch96b]. **ninth** [DO95, LLMP93, LLMP95]. **ninth-degree** [DO95]. **no** [Ano92, BO94, CH90a, FW94, GC93, JMS97, LLMP95, MPR95, Mor90, Oli92, Sil97, Wal99, Wal21, Woz97b]. **node** [HMN93]. **nodes** [Bai94c, Ben98a, GR95, PT94]. **noisy** [KP92].



**Nomials** [KM91]. **Non** [BG99a, Sel99, BPV98, CMP98, CH98, DDP95, EG90, FMOS98, LS95, Mor96, Zha90b, Cla96]. **non-conforming** [DDP95]. **non-existence** [FMOS98]. **Non-Galois** [Cla96]. **non-matching** [LS95]. **non-overlapping** [BPV98]. **Non-primitive** [Sel99]. **non-quasi-uniform** [Zha90b]. **Non-reflecting** [BG99a]. **non-self-adjoint** [EG90]. **non-stationary** [CMP98]. **non-stiff** [CH98]. **non-symmetric** [Mor96]. **Nonconforming** [Fal91, LL98, AC95, Bre90, Bre94a, Bre94b, Bre96b, Bre99a, CO98, CL90, KLL96, Osw96, Wal92]. **nonconservative** [HL94]. **nonconvex** [CL91b, LW96b]. **nondominant** [HT95]. **nonequally** [Buh95]. **nonequidistant** [BCMR95]. **Nonexistence** [SK99]. **nonhomogeneous** [BL95, BK94, TT94]. **noninherited** [BPX91b]. **Noninterpolatory** [Rab90a]. **Nonisomorphic** [YR92]. **Nonlinear** [GM92c, LR90, LW96b, Noc96, WT90, ACM98, APS93, AC90, By99, BGJ99, BPV99, CL90, CJT97, CG93, DMT93, EL91, EHL97, Elm97, EST90, KM98, KWW96a, KWW96b, Lar97, LP92, Mak93, MP95, Nes96, NY97, Rob94, Rum90, Rum96, Tem91, Ver94, Ver98, Wri97]. **Nonnegative** [Buf90, PJV94]. **Nonnested** [SZ92, BPX91b, Zha90a, Zha90b, Zha95b]. **nonprime** [Sem98b]. **nonquadratic** [Lou95]. **nonresidues** [BS96c, Per92]. **nonselfadjoint** [EG91]. **Nonsmooth** [LST96, DS93, EL92a, EL92b, MS98, SZ90]. **nonstandard** [Dav96]. **Nonsymmetric** [LZ92, Bai94a, BS90a, BLP93, XC92, Ye91, Ye94]. **nontrivial** [CMS92b, CMS92a, Kap95, iN97]. **nonuniform** [GASS91]. **norm** [Acc96, BL95, BS98, Cla96, FJP97, SW95a]. **norm-Euclidean** [Cla96]. **Normal** [FvS99, Coh96, Dre94, GV95, JKN91, MM94b, MM94c, Nie94]. **normals** [OW94]. **Note** [Arn91, Dar91, Hun98a, Noe96, Tsu90]. **Notes** [LSK91]. **Nu** [BG92b, BG92c]. **Nu-Configurations** [BG92b, BG92c]. **Number** [Del92a, Dia91a, Dia91b, Ede92, Fis90, MW92b, N.93, Wah97b, Acc96, AK99, Bre99c, BG99b, BE99, CJT97, CL96, CL97b, CDNY95, CS99, Deá90, DO95, Dui96a, FJP97, Fuj93, Gaá96, Ge94,

HC98, HS97b, Ian99, Ish95, Iya95, JM92, Jak98, Jha95, KWW96a, KWW96b, Kid99, LT91c, LT94a, LLMP93, LLMP95, Lou95, Nie96b, NS98, Odl94, Per92, Pom94, SH98, SW92, Sch93a, Sch96a, SPD94, Sel99, Sho99, Ste98a, Ste94b, Str92b, Sut98, Tak94, Wag96a, Wag98, WC93, Yam94, Živ99b]. **Number-theoretic** [Wah97b, LT94a, SW92]. **Numbers** [BL90, BSW90, Coh97a, Fla91, Jae90, Jus90, Rob93, Spi90, AMN90, Arn95, BN97, BR98, BR05, BR11, Boy96a, Boy96b, Boy96c, BCT91, CD97, CGH95, Coh98, Dre98, DK95, EH91, EHN92, EH93, EHI94, EH94b, EH94a, EHE96, EHL97, EHN97, Gec93, Gir93a, Gir93b, Gos95, HGK98, JKN91, JMS95, JMS97, LN96, Lou92, Lou97, Mon94b, Nie90, Pin93a, RB94, SSW99, Sri98, Wag96c, Wag96b, Zag93]. **Numerica** [Kea98, Tho97, Fal98]. **Numerical** [Ach99, AN92, Auz98, BGJ99, CIZ97, Car98, CP97, Chi95, Col97, CFN95a, CFN95b, DD93, Isa96b, Kar97, KSS98, LTW98, LT91a, LT91b, LM99, LS98, LO94, Loz98c, Mat97, McL94, Rab90b, Rum93a, Rum93b, Sei99, Ste99b, Ste99c, Tem94b, Wah97a, WT90, AH99, Ad97, ABZ95, AS91b, BS92a, BS94b, BF93a, BD92b, BBP96, Bra96a, CHL99, Cha97, CG96b, CG97, CRV92, CV95b, DDD91, DVZ94, EB99, Eck98, FN90, Fas97, GT94, Gol94a, Gol91a, GT93, Hab93, Hig94, Kin99a, Kin99b, Kok96, LT94a, LSW94, LS91b, LC94, Mak94, MST96, Mon94a, NW95, Nie92a, Nie92b, Ser97a, Shu96, SV90, Ste97a, TW94, Van97, WBL94, Wat98]. **numerics** [DH99a, Kin97]. **Numerik** [Fro97]. **NURB** [Che96b].

**O** [Köl97g, Köl97f]. **O.** [Köl97a, Köl97b]. **Oberhettinger** [Köl97c, Köl97h]. **object** [BS94b]. **obtaining** [Abr95, Cha94a]. **occurrences** [Nic99]. **occurring** [Gau91b, Mac97]. **ocean** [Gil98]. **octahedra** [Cha92]. **octic** [CDO99]. **odd** [BCT91, HC98, Ian99, Sao98]. **ODEs** [Zha98a]. **Odlyzko** [DR96]. **off** [NHA97]. **Oliver** [HT94]. **Olvi** [Noc96]. **One** [BCS92, EdT90, EM92b, GM92c, Hay91, Bai94c, BLS94, BLP94, BLP97, Buh95, CRV92, CLT94, DH94, Gla92, Mad90, Yam94, Car91]. **One-Dimensional** [GM92c, BLS94, Mad90]. **one-step** [CRV92]. **ones** [Živ95]. **Only**



[EdT90, DH90, SO91]. **onto** [HJ95]. **open** [AS91b]. **Operational** [EL93, EL91]. **operator** [Arn94, DS99, EDK97, Gir95, HS94, LS98, Tra95, XZ97].

### Operators

[Wad90, BLP94, CLT94, Lin94, MS93, MW94a]. **Optimal** [CL91b, Dol99, OW97, Ser97b, Zha90a, Zha90b, Zha95b, AV99, Bai94c, Bra93, CHL99, CH96, FG96, GV95, GHS91, HR94, KM90, Pao97, Peñ97, TB97, Woź94, Woz97b]. **Optimal-order** [CL91b, Zha90a, Zha90b, Zha95b, CH96]. **optimality** [NRW95]. **optimally** [CD96]. **Optimization** [Dav96, BGLT95, CGT97a, CGT97b, Gol94b, NY97, Ben98b, Kea98]. **Orbits** [CL96, Dre98]. **Order**

[MO93, OZ91, Phe90b, Sur90, Wah98a, AC95, BCM92, BS99, BLP94, BLP97, CD98, CL93, CEL96, CH96, CMS92b, CMS92a, CMM92b, CL91b, Dui94, Dui96b, Eck98, FSSC90, Fly98, GS91, Gra95, Gur90, HJ95, HT94, HT95, KM90, KP94, LJ96b, MPR95, Mel97, Mel98, MES98, MP95, MS98, Mü197, Noe96, PP96, Phe90a, Pow97, RS96a, San92, She93, She96, SA94, Smy91, SV90, Sun95, SW98, VZ95, Wal92, Yan95, Zha90a, Zha90b, Zha95b].

### Orders

[Den90, BB94a, Gaá96, GV95, GvP98, KL97, OR92].

### ordinary

[Ale91, BS99, CHT96, KL97, Kin97, Ste94a].

**Oriented** [DH91]. **origin** [MM95]. **O'Rourke**

[Ano95c]. **Orthogonal** [BF93b, Rob94, FG91b, FP97, Gal92, Peh90a, Xu94c]. **orthogonalization** [Yin94]. **Ortiz** [Bun97]. **Osborn** [Sha96].

**oscillating** [HWC99]. **Ostrouchov** [Cai96].

**overlapping** [BPV98, LT99]. **Owe** [Elm96].

**owner** [Nie96c].

**P** [Köl97e, Köl97a, Köl97b, Köl97g, Köl97f, Loz98c, Mea96, War96, Wri96]. **P**.

[Bra96a, Bre96a, Coo98, Köl97d]. **packing** [Cha92].

**pair** [For97]. **Pairs**

[Cos91, Ct98, CSV94, MM93b, PP96, tR94]. **Pan**

[Hig96]. **pantograph** [BI93]. **Parabolic**

[LNS93, ACM98, BF93b, CTW92, CL90, DD92, FK93, Gal94a, GP99, GS97, LTW98, LP92, LO93, LO95, TW94, Ver98, Zha93a]. **Parallel** [BPX90, BPX91a, Gau96, CMP98, Hol97, Hou96a, Hou96b, Kal95, Loz97, Loz98c, Oli98, Swa93b, vSC92].

**Parameter** [DGPR92, Auc96]. **parameterized**

[Ray94]. **parameters** [HMN93]. **parametric**

[GP97, MS97b]. **parametrization** [Cre95]. **Paris** [Ste99a]. **Parity** [BBG90, JMS95, JMS97, Ste94b].

**Part** [BBG90, HDJ94, NPV91a, NPV91b, SW95a, CG96b, CG97, MM98, Sch98a]. **Partial**

[Fis90, By99, Bra96b, DCNZ96, GKO95, GS95, Kin97, Kui95, Lu98, OR92, Ren90, Tem94a,

Wah97a, Zha93a]. **particle**

[AN92, BTT94a, BTT94b, BT97, Cot91].

**Partition** [BBG90, GS90, RI96]. **Partitioned**

[ASS93]. **Partitions** [Dub92]. **parts**

[Hig98, Ols95a, Ols95b, Ols95c]. **Pascal** [Kea98].

**pass** [Arn95]. **patch** [Zha96]. **patches** [DMS92].

**paths** [LL99]. **PCG** [Ser99]. **PDEs**

[LG93b, IK98, LG93a, Zha98a]. **Pell**

[Wal21, Ang96, Ked98, Wal99]. **penalty**

[FG91c, RVW96]. **penalty-type** [FG91c]. **pencils**

[BL96, Li94a]. **penetrable** [BS94b]. **perfect**

[Ber98, BCT91, Dui94, Dui96b, HC98, Ian99].

**perfectly** [NRS95]. **performance** [Hou96b].

**period** [Ada95, Wag94, Wag96c]. **Periodic**

[SA94, Bou99, DS93, OW97, PT92]. **Periods**

[CW94, Bre94c, FvS99, GvP98, GZ93].

**permutation** [But94]. **Perrin** [Arn91].

**perturbation** [Hig94, LT94b, Shi96].

**perturbations** [BL96, Buf90, Li94a, LW97].

**perturbed** [BS99, OS91, Pao97, SO91, SS96c].

**Perturbing** [MPV98]. **Peter** [Isa96b, Loz97].

**Petrov** [GM92c, ZF93]. **Petter** [Gau96]. **Petzold**

[Mat97]. **Pezzo** [Ura96b, Ura96a]. **Phase**

[NPV91b, NPV91a]. **phenomenon** [Gel97, GS95].

**Philip** [War98]. **Philippe** [Fal96]. **philosophy**

[Laz94]. **physicists** [Köl97d]. **physics** [Wim98].

**picturesque** [Apo93]. **piecewise**

[Bai94c, BPV99, Dem95, GW96, GS95, HJ95,

LSEG91, Nii92, ThT97, TB97, YC93]. **Pierre**

[Bar96]. **Pierre-Jean** [Bar96]. **Pisot** [Boy96a].

**pivoting** [GKO95, PJV94]. **Plana** [DLD90].

**planar** [BS92b, Bre94a, Bre94b, Dui96a]. **plane**

[LH98, MST96, Tei90, vKP95]. **planes**

[CD98, EH91]. **plastic** [NRS95]. **plate**

[DL92, DHNL<sup>+</sup>99, Gas93, Gau91b, GH97, Mac97,

SS94, SBS95]. **plateau** [DH99b, DH99a, Tsu90].

**plates** [BS98]. **Plemmons** [Isa96c]. **Plis** [Qua96a].

**Ploufee** [Bai96]. **Pohst** [Ano95x]. **Poincaré**



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**sigma** [Woz97b, Woz94]. **sigma-SOR**

[Woz97b, Woz94]. **signal** [Nie96b]. **signature**



[BPv94, Sel99]. **Signorini** [Han90]. **Sikorski** [Qua97]. **Sima** [Ben98b]. **Simon** [Bai96, Gau96]. **Simple** [AW97, Den90, Dui94, Dui96b, APS93, CGT97a, CGT97b, CLT93a, CLT93b, Gol91b, His94, Lew94, LH98]. **simplex** [MS95]. **simplices** [Hor97]. **simulate** [Hua91]. **simulation** [Dea90, HM97, N.93, Hol96]. **Simultaneous** [Ang96, CMV92, Wal99, Wal21]. **Sinc** [Yin94, CDL97, Bia90]. **Sinc-collocation** [Yin94, CDL97]. **sine** [ST91]. **single** [HS94]. **single-layer** [HS94]. **singly** [Coo91]. **Singular** [CD92, Bre99b, BPV99, CTW92, CMM90, HP92, KX94, LT94b, MS98, Pal96, Rab90b, Shi96, Yin94, YZ97]. **singularities** [Bre99b, Eck98, GM92b, MM94a, MM95, Tei90, TG94, WG92]. **singularity** [Cro93]. **singularly** [BS99, OS91, Pao97, SO91, SS96c]. **size** [CV95a]. **sizes** [L'E99a]. **sketch** [Kel95]. **skew** [Buf90]. **skew-symmetric** [Buf90]. **Sloan** [Kea97]. **Sloane** [Bai96]. **Slow** [Car94]. **slowly** [Gau91a, Gau91b, Lew94]. **Small** [Sty93, YR92, BH93, BFP93, Coh97a, DO95, Gra98, HM98, Lee99, Mos98, OS97, Rob93, Sel99, Sma99, Val91]. **Smallest** [BN92]. **Smith** [Ano95f, Coh96]. **smooth** [AC90, AS91b, EL92a, EL92b, ThT97, Tra95]. **Smoothers** [BP92]. **smoothing** [CQS98]. **Sobol'** [Nie96a]. **Sobolev** [Ano95w, Bra95]. **Sociable** [Fla91]. **software** [Chu96]. **solid** [BDR98]. **solitary** [Hua91]. **solution** [Ale91, AM94, AS91b, CIZ97, CP97, Cha94a, CL91b, DDD91, Elm96, GL99, HHM94a, HHM94b, HT94, Kal95, Kar97, KSS98, LTW98, LM99, Mak94, Mat97, Rob94, SK99, SH95, Sma95, TW94, Wah97a]. **solutions** [Abr95, Ad97, Bre99b, Che91, EDK97, Goe98, GMP91, HT95, HL94, Hu98, Iya95, KB97, KTS97, Mac94b, MM93a, MPR96, Mon93, Nes96, NW95, Nii92, Pet91, SW95b, SA94, Sma99, SV90, SS96c, ThT97, Tsu90, Wal99, Wal21, Zha98b]. **Solvability** [Acc96]. **Solvable** [Ano92, Dum91]. **solvers** [SV98, Hol97]. **solves** [BPV98]. **Solving** [Ano92, Cop94, Dum91, GM92c, HMW90, HH99b, Ked98, LW91, LZ92, LW93, Ste96a, Td91, AY94, AC90, CFS95, FJP97, HBLT93, Hou96b, HS95b, Isa96a, Mas94, Rud98, Sil99b, Swa93a, Zha90a, Zha90b, Zha95b, vS96]. **Some** [Alz93, BCM92, BL90, BX91, BB94c, Bun97, CD92,

DH90, GT94, GN92, LSEG91, LPW96a, LPW96b, SW96, Spi90, Spi94, Sul93, AD91, Alz97a, Alz97b, BBG93, BJT97, CM94b, CK95, EG99, FK91, Hun92, McL94, Sem98b, She94, Ste90, Tak94]. **Sommeijer** [Ano95z]. **Sookne** [HT94]. **Sophie** [Dub96, IJ99]. **SOR** [Woz97b, Woź94]. **Sorensen** [Cai96]. **source** [Cha97, Cha99]. **SP2** [Roe99]. **Space** [NPV91b, CL91c, FP96, Gla92, KM98, NPV91a, Tes98, Wan99]. **space-time** [FP96, KM98]. **spaced** [Buh95]. **Spaces** [Coc91, AS91a, BPX91b, Bra95, CH90a, Dol99, Leh97, RS96b]. **sparse** [HS95b, Kal95]. **Special** [Sol92, Wim98, Cik94, LO94, Loz98b]. **Specific** [Td91]. **spectra** [BL96, Li94a]. **Spectral** [BB99b, BDM90, CDT93, DS93, Hal96, LT94b, Wah98a, AKL98, Arn94, By99, BCM92, CHT96, EG99, GT91, Guo95, Mad90, Phi95a, Phi95b, She94, Tad93]. **spectral-collocation** [Arn94]. **spectrum** [Fla96, Kno93, Tii97]. **Speeding** [McK99]. **spheres** [JSW99, RS96b]. **Spherical** [GF97, GT93, Gel97]. **Spira** [Tho94]. **Spirals** [MW92a]. **Spline** [MW92a, Zhe94, BF93b, CH96, DMS92, DM98, GH94, HS94, PT92, PT94, Rob94, RS98]. **splines** [CH90b, Dem96, FT91, Neu94, Peñ97, Qua96a, Sch94]. **Splitting** [DVZ94, Arn94, CG97, Hun98a, TT94, Yin90]. **splittings** [Hun98b]. **Spontaneous** [CM96]. **sporadic** [His94]. **Springer** [Köl97e]. **Square** [BG92b, HP99, It91, Mon94b, Sch92, ABZ95, BG92c, Wag95]. **squared** [Dui94, Dui96b]. **Squares** [Pin93b, BG94, BLP97, BS98, Cha94b, Col97, Dui94, Dui96b, Fas97, Lev98, PJV94, RAG91, Val91, ZF93]. **Stability** [BI93, CRV92, GP99, LM90, NPV91b, Pal95, Sur90, Tem91, BTW90, FG96, HDJ94, Hun98a, LS91b, LR90, LX93, LW96b, NHA97, Ols95a, Ols95b, Ols95c, Pal94, Peñ97, Van97, Wei97, Wu95, NPV91a]. **stabilized** [FSSC90, KS92]. **stabilizing** [Car94]. **stable** [Gol94a]. **star** [BH94a, Kui96]. **Stark** [DST97]. **stationary** [Bre90, CMP98, DVZ94, EJ93, GHS91, GMP91, LX93, LW96b, LW97, MS93, ZF93]. **Statistical** [BH93, EH93]. **Stefan** [NPV91a, NPV91b]. **Stegun** [RW92]. **Steiner** [CMS92b, CMM92a, CMS92a, MPR95, CMM92b,



GGM98, Phe90a, Phe90b]. **Steklov** [XZ97]. **Stenberg** [Bre96a]. **Stenger** [Qua97]. **step** [Coh95, CRV92, JZ92, Ren90]. **Stepanov** [Beu96]. **Stephen** [Tod98]. **steps** [HR93]. **stepsize** [JZ92, Pal94]. **Stewart** [Kin99a, Ser97a]. **Stieltjes** [EM97a, GN96, Peh90b]. **Stiff** [Sch92, Ale91, CH98, Cha97, Cha99]. **Stochastic** [Cal92, BTT94a, BTT94b, BT97, Cal91, HM97, Sho98]. **Stokes** [Kar97, Lar97, BG94, Bre90, Cha94b, Cho97, Cot91, DDP95, DN90, GANT99, GHS91, Hal96, KS92, NW96, She96, Ste90, Yin90, ZF93]. **stopping** [Oli99]. **strategy** [DR98b, Woz94, Woz97b]. **Streamline** [EJ93, JSH90, Zho97]. **stress** [Bre99b]. **stresses** [NRS95]. **Strictly** [RS96b, Dem95]. **strip** [Kei96, Tol97]. **Strong** [NW95, Bur96, DLP93, Jae93]. **strongly** [MP95, Tra95]. **Structural** [LT91c]. **structure** [AS91a, BW96, CL94, GKO95, L'E99a, LS94, Mas94, RS96a, Sch93c, Sch93b, Tes98]. **Structured** [Pan90, Mar90]. **structures** [MS95, Vv96, Fal96]. **Struve** [Mac93]. **Stuck** [Sha96]. **study** [MT93]. **Sturm** [Abr95, Bou99, Cha94a, RS92]. **subdivision** [FN90, JRZ98, LJ96a]. **subexponential** [AD93]. **subfield** [BMO90, CDO99, Oli92]. **subfields** [Fuj93]. **subgroup** [GN92]. **Subgroups** [AM92]. **subinterval** [GS95]. **Sublattices** [LSK91]. **submerged** [MP96]. **Subquadratic** [KS98]. **Subquadratic-time** [KS98]. **subschemes** [LW91]. **subsets** [SW98]. **subspace** [NY97]. **subspaces** [HJ95]. **Substructure** [RW93]. **subtetrahedron** [LJ96a]. **suitable** [AM93b]. **sum** [BGN93, CG96a, GS95, LGRA94, Zha93b]. **Summation** [DLD90, Ols95a, Ols95b, Ols95c, CK95, Gau91a, Lew94, Mac97]. **Sums** [Vas91, Apo93, BRZ99, Cra98, Cus93, DD93, Ekl96, Ekl98, Knu93, Kui95]. **Sun** [Nie96b]. **sup** [DN90]. **supercomputers** [Ach99]. **superconductivity** [Du98]. **Superconvergence** [Arn97b, Wan91]. **superconvergent** [Zha98b]. **Superlinear** [Ser99, CQS98, Ser97b]. **supersolvable** [BC94, OS97]. **superspline** [AS91a, CH90a]. **Supplement** [AS93b, BTT94b, Bos93b, Boy96c, BG92c, Bre94b, CGJ95b, CT92b, CMS92b, CMM92a, CGT97b, CFN95b, CLT93b, Dia91a,

Dil92b, Dör92b, EL92b, EM92c, GHO92b, Gir93b, HHM94b, HM92b, HA93b, KS93b, KN95, LT91b, Leh92b, LG93b, LPW96b, May92b, MM94c, Nie92b, NPV91b, Ols95c, Phe90b, Phi95b, Ros95b, Rum93b, Sch93b, Ura96b, Yan96b, BR98, BN92, DO95, DH91, DJ91, DH94, Kel95, Sou94, YR92]. **supported** [CD96, RS98]. **supremum** [Wei97]. **surface** [CH98, Chi95, GT94, Guo95, VC94]. **surfaces** [Bar96, CS96a, Che96b, Lyn94, OW94, Ura96a, Ura96b, Mey96, Wah98b, War98]. **survey** [Hig94, LC94]. **Susanne** [Bre96c]. **Suzuki** [Sch93b, Sch93c]. **SWB** [CL94]. **sweep** [LH98]. **sweep-plane** [LH98]. **symbolic** [Loz96]. **Symbols** [Gol92]. **Symmetric** [CM94a, Buf90, Car98, Cha92, CB93, Hig98, Liu94, Mac94a, Mas98, Mor96, Sch97, Ser99, Swa93b]. **Symmetrizable** [Wad90]. **symmetry** [BGJ99]. **Symplectic** [LR94]. **Symposium** [Gau94]. **System** [GM92c, BS97]. **Systems** [Ber90, LT91b, OS92, Phe90b, RO91, YR92, AM94, BDR98, BS99, BLP97, Che91, CJT97, CMS92b, CMM92a, CMS92a, CMM92b, EG90, EG91, FG91c, Gol94a, GGM98, HS95b, Kal95, Kli96, LT91a, LR94, LW91, LW93, LG93a, LG93b, MPR95, Nes96, Phe90a, Rum90, Sch91, Sei99, Ser97b, Ser99, WBL94, vS96, Auc96, Kli96, Sil99b]. **Sz** [Sch93b]. **Szego** [Peh93].

**T** [Auc96, Elm97, Gau96, Isa96c, Kok96, Loz98c]. **T.** [Kel95]. **Table** [RW92, BR05, BR11, Car92, Dia91a, Dia91b, Fik98, Köl95, Köl97c, Köl97e, Köl97a, Köl97b, Köl97g, Köl97f, Köl97d, Köl97h, Lam96, Lam97, Živ94b, Car91, FW90b, FW94, SPD94, Živ94a, Fik98]. **Tables** [Ano95-27, Ano95-28, Ano95-29, Ano97, CDO99, Col97, Hol97, Köl97h, L'E99a, L'E99b, Mat97, PW98, Shu97, Ste97a, Ste97b, Tem98, Van97, Wah97b, Wri97]. **tabulating** [SW92]. **Tabulation** [DH91, LSW97]. **Tame** [BG99b]. **Tarry** [Mal97]. **Tate** [iHT99]. **Tau** [Kha99, Bun97, EDK97]. **Tausworthe** [CLT93b, CLT93a, L'E96]. **technique** [SW99, Zha96]. **techniques** [AY94, BCT91, ELV91, RS92, Ste94a, Ste98b, SO91, Nie96b]. **Temam** [Lar97]. **Temme** [Wim98]. **ten** [Ian99]. **tension** [CH98]. **tenth** [Bre99c]. **Term**



- [It91, LST96, Sch97]. **Termination** [KP92]. **terms** [Cha97, Cha99, Pes96]. **Ternary** [Leh92a, vSv92, Kap95, Leh92b, Leh97, MT93]. **Tesler** [Köl90]. **test** [Arn95, Bur96, DLP93, KWW96b, MM93a]. **testing** [Bac90]. **tetrahedra** [LJ94]. **tetrahedral** [CD97, LJ96a]. **Teukolsky** [Loz98c]. **th** [Rob93, Sch98b, Ste94b, WH93]. **Th.** [Che96c]. **Their** [CG90a, Bra94, BGN93, CD98, Gau91a, KX94, MPV98, Sch96b, Tem97, WBL94, XZ94]. **theorem** [Arn97a, Bou99, Cop90, Dem90, DS95, Far94, För94, IK98, Lab98, LGRA94, LS91a, Sch93a, Wan99]. **theorems** [GH97]. **theoretic** [LT94a, SW92, Wah97b]. **theoretical** [Zha98b]. **Theories** [Mar92]. **Theory** [Kin97, Ste97a, BBG98, Bra95, Bre96c, Bun97, Che96d, Chu96, CB93, Hag91, Hig94, Mar90, Mar93, Nie96b, Odl94, Wag98, Sch96a]. **thermoelasticity** [Cop99]. **theta** [CLR97]. **thin** [Lee99]. **Third** [Wah98a, FSSC90, Mel98]. **third-order** [FSSC90, Mel98]. **Thomas** [Bre97, WH99]. **thousand** [Ian99]. **Three** [BB93, Ach99, BN97, BGN93, Cha94b, Chi95, HP99, Neu94, NW98]. **three-directional** [Neu94]. **Thron** [Ano95r]. **Thue** [De 95, MPR96, Pet91, Td91]. **tight** [RS98]. **Tikhonov** [NHA97]. **Tiling** [BG92b, BG92c]. **Time** [Ric90, TT94, AV99, Ber98, Che91, Cot91, Du98, EL95, FP96, GP99, HHM94a, HHM94b, KS98, KM90, KM98, Oli99, Sho98, TW94, WBL94]. **Time-Dependent** [Ric90, EL95, GP99]. **time-harmonic** [AV99]. **Time-splitting** [TT94]. **Titchmarsh** [Spi94]. **Tits** [Gol91b]. **Toda** [NTS98]. **Toeplitz** [CY92, Grö99, Ser97b, Ser99, Til97, YC93]. **too** [CM94b]. **tools** [Hou96a, Ste98b]. **Topics** [Che96c, Qua97]. **topological** [Abe94]. **Torczon** [Gau96]. **torsion** [iN97, Sem98a]. **Total** [GS98, Tad93]. **Totally** [Dia91a, Dia91b, DST97, Fla96, Fuj93, Gaa96, GP97, Pv93, Tak94]. **Tourancheau** [Hou96a]. **Trabucho** [Fal96]. **tracking** [Shy94]. **traction** [Bre94a, Bre94b]. **trade** [NHA97]. **trade-off** [NHA97]. **transcendental** [Köl97c]. **transform** [Str92a, Wei95, Cal91, Nie96c]. **transformation** [GL98a, MS97a, Sid95, GL98a]. **transformed** [BBN99]. **transforming** [Oli98]. **transforms** [CB93, CF94, CV95b, Köl97h, Mas98, PST98, ST91, Tem97, Tem98]. **Transition** [MW92a]. **Transitive** [CMM92a, CMM92b]. **translation** [CD98, Fik98, Köl97g, Lam97]. **transonic** [BF93a, BWW97]. **Trapezoidal** [Hun98b]. **traveling** [Fan98]. **treatment** [CRV92, FG91c, Ste97a]. **Treatments** [ZZ97]. **Tree** [AL95a]. **Tree-search** [AL95a]. **Trefethen** [Ste99c]. **trends** [Néd94]. **triangles** [LC94, RI96]. **Triangular** [LJ96b, Ad97, Žen95]. **triangularly** [Sma95]. **Tricomi** [Köl97c, Köl97h]. **tridiagonal** [AM94, Oli98, Swa93b]. **Trigonometric** [Qua96b, CS96b, CK95, Fas97, McL94, RAG91]. **Triple** [Phe90b, YR92, BBG98, CMS92b, CMM92a, CMS92a, CMM92b, MPR95, Phe90a]. **triples** [EHN97]. **triplets** [Wag95]. **trivariate** [Dre94]. **Trotter** [IK98]. **truncated** [Eck93, Eck95]. **tuples** [LH98]. **Turán** [CG96a, GM96]. **Turyn** [ESA94, KKS90]. **Twenty** [PMT95, CDNY95]. **twenty-second** [CDNY95]. **Twenty-two** [PMT95]. **Twin** [PSZ90, Bre97, For97, IJ96, IJ99]. **Two** [Bre96b, Car92, Fla96, Hab93, Mar92, MW92b, NPV91b, Ren90, Sko92, Ada95, Bai94c, BCM92, BL94, BV92, BCMR95, EHN92, EHI94, FMOS98, GLW99, GL99, iHT99, JZ92, LT91c, LM94a, NPV91a, OS91, PMT95, Ros95a, SA94, Str92b, Sty93, SO91, Sun95, Via91, Wal99, Wal21, Yin98, van99]. **two-dimensional** [BCM92, BL94, BV92, Sun95, Yin98]. **Two-level** [Bre96b]. **Two-Phase** [NPV91b, NPV91a]. **two-point** [BCMR95, FMOS98, SO91, Via91]. **Two-step** [Ren90, JZ92]. **two-variable** [Sty93]. **Twofold** [YR92]. **Type** [BN90, RS90, DVZ94, EST90, EG99, För94, FG91c, Gec93, Grö99, Kha99, LST96, Nii92, Not92, RS94, Tem94b, Žen95, Zha93a, KX94, Kui95, Sch91]. **Überhuber** [Fro97]. **ULP** [Ziv99a]. **Ultraconvergence** [Zha96]. **ultraspherical** [FP90]. **unbounded** [FK91, Hal96, Yin90]. **Unconditional** [Hun92]. **unconstrained** [Gol94b]. **unconventional** [KL97]. **Unicity** [GW96]. **unified** [LG97]. **Uniform** [Al 94, EL91, Gas93, Rab91, Car96, FMOS98,



Tem94b, TV93, Zha90a, Zha90b]. **uniformly** [OS91, SS96c]. **unifying** [BPX91a, Mel97]. **Unimodular** [Hun91]. **unique** [SL90]. **uniqueness** [Fan98, GMP91]. **unit** [BPv94, JKN91, MPV98, Pv93, PW98, San92, Sma99]. **units** [BS96b, DST97, Fuk96, Ge94, Laz93, NS98, SSW99]. **unity** [HH99b, Pil90, Sch98b]. **Universal** [EK97]. **unsymmetric** [Huc95]. **Update** [Mar92]. **updates** [Mar90]. **Updating** [Ste92]. **Upper** [HS95a, DGNP93, Fly98, Str92b]. **upstream** [Via91]. **use** [LS91b, Néd94, Swa93a, WC93, Che96b]. **Used** [Ber90]. **User** [Cai96, Qua96a]. **Using** [Ste96a, Abe94, Ben98a, CHL99, CV95a, GM92b, Kli96, Nie94, Sei99, SO91, Wen99, XZ97]. **utilization** [Woz94, Woz97b].

**V** [Che96c, Ell96, Gau96, Mea96, Qua96a, Shi96, Wah98a, Wri96]. **V.** [dB98]. **Vajtersic** [Hol97]. **Valentin** [Shi96]. **Valérie** [Ste97b]. **valid** [SW94]. **Value** [Rab90a, Sch92, AD91, Ad97, Bia90, BS99, BLP93, Bra96b, BCMR95, CDL97, Die94, DS93, FMOS98, GT91, HT91, HP92, Hun92, Hun98b, LS91b, Mat97, Mon94a, Rab90b, Rab91, Ste94a, SO91, Wu95, Zhu92]. **valued** [NW94]. **Values** [CK99, AT99, FW90a, Odl93, Shi95, YZ97]. **Vancouver** [Gau94]. **Vandermonde** [RO91]. **Variable** [JZ92, BTT94a, BTT94b, Pal94, Sty93]. **Variable-stepsize** [JZ92]. **Variables** [dR92, De 95, PJV94, SA94]. **variates** [Bai94b]. **variation** [GS98, Tad93, Ye94]. **Variational** [SS91, vBv92, BF93a, BV92, CQS98, CL91b, EST90, NW95, Vv96]. **varieties** [Pil90]. **various** [BBP97]. **Vasile** [Ben98b]. **Vasil'eva** [Shi96]. **Vector** [JRZ98, Emm96, HBLT93, Hou96b, Nie95, vKP95]. **vectors** [BW96, CLT93a, CLT93b, Kny97, MS93]. **version** [BS92a, BL94, HST98, HGK98, Ray94]. **versions** [SS96a]. **vertex** [CH90b, DH90, GS97, MSS97, Sül92]. **Vetterling** [Loz98c]. **via** [Cop94, CFN95a, CFN95b, FvS99, GW96, NW94, Sil99a]. **Viaño** [Fal96]. **vibration** [DHNL<sup>+</sup>99]. **Victor** [Chu96, Hig96]. **viewpoint** [Roj94]. **Virginia** [Gau96]. **Viscosity** [ThT97, CDT93, Tad93]. **Viscous** [Yin90]. **Vlasov**

[BT97]. **Vol** [Hig96, Köl97g, Köl97f, Köl97h]. **Volterra** [Bru94, BPV99, CRV92, KB97, Mak94, Pal96]. **Volume** [Köl97a, Köl97b, Law91, Loz98c, Wag98, BLS94, CCF94, GS97, MM93a, MSS97, Noe96, Sül92]. **Voronoi** [Ada95]. **Voronoi-algorithm** [Ada95]. **Vorst** [Ano95q]. **Vortex** [Hou92, Yin98, CHL99]. **vorticity** [Guo95]. **Vries** [KM90, Hua91].

**W** [BW96, Che97, Hou96b, Kin97, Kin99a, Ser97a, Wah97a, Wat98]. **W.** [Köl97c, Köl97h]. **Wahlbin** [Arn97b]. **walk** [Lu98]. **Walsh** [LT94a, LSW94]. **Walter** [Ell96, Isa96a, Len97, Ste96a, Ste99b]. **Ward** [Leh93]. **Waring** [DD90, KW90]. **was** [Wil93]. **Washington** [FS95]. **water** [Ach99]. **Watson** [Gau96]. **wave** [BL95, BV92, Fen99, FP96, HDJ94, HHM94a, HHM94b, She93, Shu96, Shy94, vBv92]. **Waveform** [BS97]. **waveforms** [HA93a, HA93b]. **waveguides** [BG99a]. **Wavelet** [MW94a, Chu96, DS99, LLS96, Zhe94]. **Wavelets** [Che96d, FP97, SS96b, CMX99, CD96, Jia98, JRZ98, Lai94, Qua96b]. **waves** [Fan98, Hag91, Hua91, Mak93]. **wavewise** [Yan96b, Yan96a]. **way** [Cha94a]. **weak** [HB92, MM95]. **weakly** [BPV99, CTW92, CMM90, KX94, MS98, Nes96, Pal96]. **Webb** [Ano95d]. **Weber** [YZ97]. **Weight** [vSv92, GN96, GM96, Peh93, vv93b]. **Weighted** [BX91, DN90, CF94, Wei97, Xu91]. **weighting** [Via91]. **weights** [FP90, HST93]. **Weil** [Sil90]. **well** [CP97]. **Wendt** [FG91a, Hel97]. **Wesseling** [Ano95n]. **Weyl** [Sut98]. **Which** [BGN93, ST96, Arn95, CLR97, Cla96, FG91b, FW90a, GM96, HC98, HB92, LW91]. **Whittaker** [Bou99]. **Who** [Roj94]. **Whose** [KM91, Coh97a]. **Wickerhauser** [Chu96]. **Wiedemann** [Cop94, Kal95]. **Wieferich** [Cik94, Cop90, CDP97]. **Wiener** [EL93]. **Wigner** [AN92, Arn94]. **wild** [BG99b]. **Wilfrid** [Kel95]. **William** [Gil98, Loz98c, Che97, Loz98c, Nie96c, Zha98a]. **Williams** [WH93]. **Williamson** [BW96]. **Wilson** [ADS98, CL90, CDP97]. **Windowing** [Ste92]. **Winkler** [Bos98]. **without** [BPWX91a, Bre99a, BG96, HR93, Shi95]. **Witt**



[JMS97, JM92, JMS95]. **Wolfgang** [Kel95, Ste97a]. **work** [Leh93]. **world** [Isa96a]. **WR** [DVZ94]. **WR-type** [DVZ94]. **Wright** [Tod98]. **wrong** [HL94].

**Xu** [de 96].

**years** [Bre96a]. **Yokoi** [Zha95a]. **York** [Köl97e, Köl97g, Köl97f, Köl97h]. **Yu** [Köl97g, Köl97f, Nie96b]. **Yu.** [Köl97a, Köl97b]. **Yurii** [Tod96]. **Yves** [Kea98].

**Z.** [Cai96]. **Zahar** [Ell96]. **Zakharov** [CGJ95b, CGJ95a, Gla92]. **Zaremba** [Cus93]. **zero** [BF92, CT92a, CT92b, CT94]. **Zeros** [EM92a, It91, SSW99, Tho94, Tol97, Ben98a, Che94a, CSV94, EM92c, EM94, FS92, FO93, GR95, HB92, Ish95, Kei96, Kui96, RS95, SV90, Spi94, Che96c]. **Zeta** [Den90, GLW99, Cra98, CK99, Tol97]. **Zhang** [Loz98b]. **Zippel** [Ano95s]. **Zwillinger** [Ano95e].

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Victor Adamchik and Stan Wagon. A simple formula for  $\pi$ . *American Mathematical Monthly*, 104(9):852–855, November 1997. CODEN AMMYAE. ISSN 0002-9890 (print), 1930-0972 (electronic). URL [http://www.maa.org/pubs/monthly\\_nov97\\_toc.html](http://www.maa.org/pubs/monthly_nov97_toc.html). The authors employ Mathematica to extend earlier work of Bailey, Borwein, and Plouffe, [BBP97], done in 1995, but only just published, that discovered an amazing formula for  $\pi$  as is a power series in  $16^{-k}$ , enabling any base-16 digit of  $\pi$  to be computed without knowledge of any prior digits. In this paper, Mathematica is used to find several simpler formulas having powers of  $4^{-k}$ . They also note that it has been proven that their methods cannot be used to exhibit similar formulas in powers of  $10^{-k}$ .



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