

A Complete Bibliography of Publications in *Mathematics of Computation*, 2000–2009

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14 October 2017
Version 2.39

Title word cross-reference

(2, 2) [Cos03]. (3, 2) [Cos03]. (7, 1) [Gar03]. (mod p)
[?]. (mod p^2) [?]. $(p - 1)p^n - 1$ [?]. ($t = 3, 5$) [?, ?].
+ [?]. $-\Delta u = \lambda \rho u$ [?]. 1 [FJ02, ?, ?, ?, ?, ?].
1.13198824... [?]. 10000000000 [?, ?]. 10^{36} [?].
 10^7 [Jen03]. 10^8 [GO08]. 11 [CC04]. 14 [AS09]. 15
[AS09]. 19 [?]. 2
[BLZ03, Cul09, FLS+01, FM08, GJG03, He08,
HS07b, Jay06, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?]. 21
[CCIL02]. 25 [Gib09]. 28 [HMV09]. $2^+ S_4$ [?]. $2D$
[GGGS08]. $2 \times 3 \times 5 \times \dots \times p \pm 1$ [CG02]. 3
[AL05, Bel04, CC08, FM02, ?, ?, ?, ?]. 300 [GS04a].
3021377 [BLZ03]. $3x + 1$ [AL03, ?]. 4
[Fri00, HSY08]. 48 [CK03]. $4 \cdot 10^{14}$ [?]. 8
[iHHR08]. = [?]. $[-1, 1]$ [DVB08]. (1) [?]. $a^{p-1} \equiv 1$
(mod p^r) [?]. A_4 [Cou06]. abc [Bro00a]. $Ax = \lambda Bx$
[?]. B [?, ?, ?]. $\beta(1)$ [?]. \mathbf{E} [AMR09]. $\mathbf{H}(\text{curl})$
[CDD08]. $\mathbf{H}(\text{div})$ [CDD08]. C^1 [HNSZ08, JL08].
 C^2 [CJ05b, HJ06, ?]. C_3 [?]. \mathcal{Q}_1 [DL05]. ℓ [?]. ℓ_1

[COS09a]. F [Bre04a]. $F(z + 1) = \exp(F(z))$ [?].
 F_p [?]. F_{p^n} [?]. $\Gamma_0(5)$ [Ave07]. $GF(2)$ [?, ?]. H
[?, ?]. $H(\text{curl})$ [?]. $H(\text{div})$ [?]. $h(n)$ [Hag09]. H^1
[Bre04b, Car02, CL00a, CDD08]. $H^1(\Omega)$ [BPS02].
 H^2 [?]. hp
[Ain01, BE07, CCSS02, Geo08, GNP08, ?, ?]. K
[CL01, ?]. $K3$ [?]. $k = 4$ [?]. κ_3 [CD08]. L
[AK08, BH00b, ?, ?, ?]. L^1 [CJ06, ?]. L^2
[BPS02, Car02, CL00a, ?]. L^∞ [CL00a]. L^p
[CSX07]. L_2 [FMW02, ?, Joh01]. L_4 [BM00a]. L_p
[?]. λ [CX09b, FK09]. λ_3 [FK01]. $Li^{(p)}$ [BdJ08]. M
[AXY02, ?]. \mathbb{F}_2 [?]. $\mathbb{Q}(\sqrt{p})$ [FK09]. \mathbb{R}^\sim [CJ05a]. \mathbb{Z}_2
[FK09]. $GL(n)$ [Bro09]. $\mathbf{Q}(\sqrt{D})$ [?]. $n! \pm 1$ [CG02].
 n [DS01, FL06, ?]. $n < 50$ [Hag09]. p
[Ain01, Brö08, CLY06, Cha09, ?, ?, ?, ?, ?, BdJ08].
 $p(a) + q(b) = r(c) + s(d)$ [Ber01]. $p - 1$ [Har05b]. p^2
[?]. $\phi(n) = \phi(n + k)$ [Hol03]. $\pi(x) > li(x)$ [BH00a].
 $\pm 2^a 3^b$ [JR03]. q [CCG08, ?, iHHR08]. $Q(t)$ [?]. QR
[?, ?]. R [Car06, ?]. R^1 [?]. R^2 [Cao08]. R^3 [?]. R^d
[GLPW04, ?]. R^s [HSW04b]. S [?]. $s^2 + y^{2p} = \alpha^3$
[Che08a]. S_8 [iHHR08]. $\sqrt{3}$ [?]. SR [Faß01].

DMGVJP05, DMGVPR06, Geo08, ?, ?, ?, ?, ?, ?,
 ?, ?, ?, ?, CGP06, ?, ?, ?, ?, ?]. **applied**
 [GMT08, Guz08, ?, ?]. **approach** [ASW09, CL00a,
 Cul09, Deu02, DS09, JPW03, ?, ?, ?, ?, ?, ?].
approximants [CTZ06, ?]. **approximate**
 [BLP09, GS04c, ?]. **Approximating**
 [CI00, ?, ?, JS01, ?, ?]. **Approximation**
 [ABF02, DVM02, DV07, GM01b, AR08, AK08,
 BJ07, BGN06, BKP08, BB03a, BGH09, BBG00,
 BP04, BKP05, BP07c, BP08, BE05, Cap00,
 DMGVJP05, DH01, DA05, DM02, FG06, FP04,
 FT00b, Fus08, GHK04, GHK05, GW06, GK09a,
 HB01, HR03, HMGR00, ?, ?, ?, ?, ?, ?, ?, ?,
 ?, ?, ?, ?, ?, HP02, Joh01]. **Approximations**
 [DJ05, AL05, BO02, Bea00, Ber06, CM01, DM09b,
 Eng09a, FHL07, GJ00, GO09, ?, ?, ?, ?, ?, ?,
 ?, ?, ?]. **arbitrarily** [BO00]. **arbitrary**
 [GM01b, ?]. **argument** [Bar04, ?]. **arguments** [?].
arising [HZ04, ?]. **Arithmetic** [GPS02, BEFG05,
 Bau04, DFL+02, GL06, Joh00, ?, ?]. **Armijo** [?].
Armijo-type [?]. **Arnoldi** [?, ?]. **ARPACK** [?].
Artin [?, ?, Cou00, Fie01]. **assessment** [ESU02].
associated [BCBDGV09, DS07, Fre05, ?].
Asymptotic
 [Cof09, Hou02, ?, ?, ?, Jin06, ?, AGH07].
Asymptotically [HSWW01, ?, ?, ?].
Asymptotics [Dam04, ?, CJ09, ?]. **asynchronous**
 [?]. **Atkin** [JL01]. **attack** [?]. **Aurifeuillan**
 [GP06b]. **Auslander** [DK02]. **Automatic**
 [Gra02, ?]. **automorphism** [CCIL02].
automorphisms [All04]. **Average**
 [Emm02, BP07b]. **averaged** [?]. **averaging**
 [BC02b, CB02, Car04, ?]. **Avoiding** [CP02].
axisymmetric [CGP08, GP06a].

baby [?, ?]. **baby-step** [?, ?]. **Back** [DL07].
Backward [GOPT02]. **badly** [BO00, DS01].
Baillie [?]. **balance** [Gos02]. **Balanced**
 [CJ05a, ?, ?]. **Banach** [GM05, GM07]. **band**
 [BES03]. **Barnes** [?]. **barycentric** [BC07b]. **base**
 [DIM08, ?]. **based**
 [AMR09, Cao08, CGP06, CHV07, DJ05, GWTW08,
 Has06, HS07a, HNSZ08, ?, ?, ?, ?, ?, ?, ?]. **bases**
 [BCC06, Cou06, ER07, FG06, G6b02, ?, ?, ?, ?, ?].
basis [Buh01, ?, ?, ?, ?, ?]. **be** [CT03, Che05b].
behavior [ES02b]. **behaviour** [DQR04, ?].

Bellman [BJ07, ?]. **BEM** [BS05a, ?]. **Bernoulli**
 [CD07, ?, ?]. **Bernstein** [BD01a]. **Besov** [BBX03].
Bessel [?]. **best** [BGH09]. **between**
 [BMSS08, Cou00, ?, ?, ?]. **Bézout** [?]. **BFGS** [?].
bi [?]. **bi-conjugate** [?]. **bias** [?]. **bilinear**
 [HP02, HP03, ?]. **Bimonotone** [Eis09]. **binary**
 [AB04, BZ09, FHR03, GLV00]. **Biorthogonal**
 [?, HJ02]. **Biquadratic** [BB04a]. **Birch**
 [ASwaAbJC05, FLS+01, GJP+09]. **birth** [FM08].
bisection [?]. **bits** [?]. **Bivariate**
 [?, CJ05b, GL02, ?]. **black** [FHR03, ?]. **black-box**
 [FHR03, ?]. **block** [Bai06, ER07, ?, ?]. **blocks** [?].
body [Hua04]. **body-plate** [Hua04]. **Boltzmann**
 [BKPS08, FM02, ?, ?]. **Book**
 [Ain01, Arn01, Asl04, Ber04a, Bul04, Bur03, Cal09,
 Coh00, Coh02, Eld02, Els01, Enr05, Fed07, Fre04,
 Gau00, Gav06, Gav07, Gir05, GG04, Hai01, HW06,
 Hop05, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?,
 ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?,
 ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, aY07, ?, dB00, ?]. **Boros**
 [CX09a]. **bound** [BH00a, ?, ?, ?, ?, ?].
boundaries [BLP08, ?, ?]. **Boundary**
 [CDNZ00, GS01, AMR04, AMCJ04, ACPT07,
 ABM04, BC02a, BBX03, Bea01, BRS05, BS05a,
 Bre02, Bre04a, BCS06, CP02, Cha05, DHS07,
 EGCZ04, GH05, GS06b, GS02, GHL06, GNP08,
 HR03, HS07b, HZ01, JS09, ?, ?, ?, ?, ?, ?].
boundary-value [EGCZ04]. **bounded**
 [GP08b, HSW04b, ?]. **boundedness** [HR06].
bounding [HK09]. **Bounds**
 [Gro04, ?, dIM02, AL03, BJ07, BS00, BPZ07,
 DR01, DM09a, FMTW06, Har07, HW02, Jin06, ?,
 ?, ?, ?, ?, ?, ?, ?, ?]. **Boussinesq** [FNP00, ?].
box [FHR03, ?]. **BPX** [DGTZ07a, DGTZ07b].
Bramble [Car02]. **Brandt** [Dem07a]. **Brauer** [?].
breaking [GP02c]. **Breeding** [BB01b]. **Bregman**
 [COS09a, COS09b]. **bridge** [HS07b]. **Brocot**
 [BR09]. **Bromwich** [?]. **Brumer** [GRT15, GRT04].
Bruno [FL07]. **bubble** [BM01]. **buckling** [?].
building [?]. **butterfly** [Faß01]. **BV** [Gav07].
Byrnes [Boy02].

Cahn [FK07]. **calculate** [Hol02]. **Calculation**
 [?, ?]. **calculus**
 [CW08, Fao09, GP01, GTTD07, ?, ?]. **Can**
 [BO00, Che05b]. **cancellation** [HS06a]. **cannot**

constants [Bre04c, Har05b, ?]. **constrained** [DH01, EG04]. **Constraint** [BP07a]. **construct** [CD03b]. **Constructing** [CDO03, DA07, HX01, ?, ?]. **Construction** [BJLS08, DKPS05, ?, DK04, Dic07, DPW08, FMW02, HV07, ?, ?, ?, ?, ?, ?]. **constructions** [BS07b]. **constructively** [CHGN08]. **contact** [?]. **containing** [?]. **Continued** [Bro01, DS07, ?, ?, ?, iTiY09, ?]. **continuing** [?]. **Continuous** [BE07, EZ06, ?]. **Continuous-time** [EZ06]. **continuum** [?]. **contour** [?]. **contours** [?]. **contradictory** [GP02b]. **Control** [?, BC02b, CF01, CB02, Car04, CLY06, CF04, Che08b, DH01, DA05, HMGR00, ?]. **convection** [AGG09, BE05, CCSS02, CC07, CJ06, ER03, HS01, ?, ?, ?, ?, ?]. **convection-diffusion** [AGG09, CC07, CJ06, ER03, HS01, ?, ?, ?]. **convection-diffusion-reaction** [BE05]. **Convergence** [AMG07, AD05, BGL07, BM08, BF08, Bre02, Bre04a, COS09a, CHX09, DG01, Des01, GT01, ?, ?, ?, ?, ?, ?, ?, ?, ?, BP07b, Bos04, BZ01, BDMGVO00, BE05, CH06, Chr04, CHLS02, DHS07, Ell06, GP06a, GW06, Grü03, GGGS08, HP05, HSZ08, Jia05, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?]. **Convergent** [BLP09, GLFE06, HKR07, Bea01, EF08, GHL09, GM07, ?, ?, ?, ?]. **convex** [FL08, Fre04, ?, ?, ?, ?]. **Convexity** [GS04c]. **Convolution** [CLP06, ?]. **convolutions** [?]. **coordinates** [GS06a]. **coprimes** [BLP07]. **corner** [AK08, ?]. **corners** [?]. **correction** [DL07, GS04b, GSY08, ?, ?]. **corrections** [?]. **corrector** [?]. **Correlated** [GP08b]. **corresponding** [DMGVPR06]. **Corrigenda** [?, ?, ?]. **Corrigendum** [BB07, FPS02, GRT15, HS08, ?, ?]. **cost** [DK04]. **Cotes** [?]. **Coulomb** [?]. **counterexample** [BSO07, Ell06, ?]. **Counting** [DDR04, BTW05]. **coupled** [CDNZ00, EF08]. **Coupling** [ACC+08, GS06b, ?]. **Couveignes** [?]. **covariant** [Hur05]. **cover** [BS09]. **covering** [DGTZ07a, DGTZ07b, Gib09]. **coverings** [?]. **Covers** [?, DA07]. **covolume** [CL00a]. **Crank** [AMN06, HS07a]. **created** [?]. **Criteria** [?, ?]. **criterion** [Car02]. **critical** [BB06]. **Crouzeix** [Car02]. **crypto** [HGNS03]. **Cryptographic** [?].

Cryptography [?, DIM08, ?, ?, ?, ?]. **Cubature** [HN07, BD01b, HX01, HV07, ?]. **cube** [BTW01, CDD08, HSYY08]. **cubes** [BPTJ07, EJ09, ?]. **cubic** [Bau04, Bro05b, DTvW04, FK01, Gru00, HNSZ08, ?, ?, ?, ?, ?, ?, ?]. **cubics** [BEFG05]. **curl** [BP04, CGP08, Fus08]. **curl-free** [Fus08]. **current** [AMR09, BRS05, Hip03]. **Curtis** [?]. **curvature** [FV03]. **curve** [DIM08, Dra06, ?, ?, ?, ?]. **curved** [HR03]. **curves** [ACP04, BTW05, BMSS08, BS07b, BS09, CF02, CC04, DD09, DV07, FLS+01, GPS02, GLV00, GS05, GJG03, GG09, GJP+09, HK00, Han03, JKKZ07, Jüt01, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?]. **cuspid** [Ave07, Gru00, ?]. **cutoff** [FM02]. **cycle** [BZ01, DGTZ07a, DGTZ07b, GP06a, iHHR08, ?, Bre02, Bre04a]. **cycles** [BBvS03, HM06, ?]. **cyclic** [Bro05b, FK01, GG01, iHH05]. **cyclotomic** [Bri07, CR03a, FS04, FK09, ?, ?, ?, ?]. **cyclotomy** [?].

D [AL05, FM02, ?, CC08, FM08, He08, ?, ?, ?]. **DAE** [Arn01]. **Data** [GHK04, GHK05, Cal09, CJ05b, He08, ?, ?, ?, ?, ?, dFMS01]. **Data-sparse** [GHK04, GHK05, ?]. **Davenport** [BSO07]. **Davidson** [?]. **Deblurring** [?]. **decay** [?]. **Deciding** [FFGM04]. **decision** [?]. **decoding** [GP08b]. **decomposable** [EGGR02]. **decomposition** [Ber04b, BS00, Bri07, CX09b, DNR09, GWW09, GKY06, GRW05, ?, Hua04, JHL08, ?, ?, ?, ?, ?]. **decompositions** [?]. **decoupling** [JSX06]. **Dedekind** [Chu05, ?, ?]. **deficient** [EG04]. **definite** [?, ?]. **definition** [?]. **Deformation** [Ave07]. **Deformations** [FL05, HP02]. **degenerate** [ADNT04, ABH07, BCS06, FT00b, ?, ?, ?, ?]. **degenerations** [BF03]. **degree** [BLZ03, BLZ05, CK03, CG05, CL01, Fri00, GRT04, GRT15, Jüt01, ?, ?, ?, ?, ?]. **degrees** [DA07]. **delay** [?, ?]. **Dense** [CJ01]. **densities** [EF08, ?]. **Density** [?, ?]. **Dependency** [FP06]. **dependent** [AMR09, AMCJ04, Cha05, CS08a, DM09b, He05, HS07a, He08, ?, ?]. **Derivative** [?, GUW00, ?]. **derivatives** [Cao08, CS08a, GK09b, Has06, IN06, ?]. **Deriving**

[DNR09]. **descent** [BS09]. **description** [BF04]. **design** [FMW02]. **designs** [FMW02, FMTW06]. **Detecting** [BLP07, FG04]. **detection** [BB01a]. **Determinant** [JBA05, ?]. **determination** [Cer07, GG01]. **determine** [?]. **Determining** [?]. **deterministic** [GP02c, ?]. **diagonal** [?]. **diagonality** [Bro07]. **diagonally** [AXY02, GI04, ?]. **diagrams** [?]. **diameter** [FRSÉ06, Fla09, HS06b, HS08]. **diaphony** [?]. **dielectric** [?]. **difference** [BCS06, DM02, ES02b, FGT02, GG01, GK09b, HKR07, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?]. **differences** [FL07, FL08, ?]. **different** [?]. **differential** [AFT05, AET09, CHV07, CDNZ00, CS08a, DG01, ET05, FL09, FOS05, FOS09, GS06a, Gao03, GM07, GWTW08, Hai01, HMGR00, Hur05, Jay06, JC05, JSX06, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, aY07, ?, ?]. **differential-algebraic** [Jay06, JC05, ?, ?]. **differentiation** [?, ?]. **difficult** [BCL08]. **Diffie** [?]. **diffusion** [AK08, AGG09, BGN06, BE05, BE07, CCSS02, CC07, CJ06, CGO05, CLP06, Des01, ER03, Fao09, PPF06, GSS07, GGS08, HS01, ?, ?, ?, ?, ?, ?, ?, ?, ?]. **diffusion-convection-reaction** [?]. **diffusion-dissolution** [PPF06]. **diffusion-dissolution/precipitation** [PPF06]. **diffusion-wave** [CLP06]. **diffusive** [ADNT04]. **digital** [Emm02]. **dihedral** [Bre04c]. **dimension** [Bre05, CC07, HW02, ?]. **dimensional** [ABM04, Bea01, BP07c, BP08, CW09, CD01, CGO05, CL01, EZ06, ER03, GWW09, GJ00, Gur08, Hal01, HJ06, HR08, HSZ08, ?, ?, ?, ?, ?]. **dimensions** [AS09, AAW08, BC02a, BS00, DM09b, Grü03, GM01b, HN07, HZ04, ?, ?, ?, ?]. **Diophantine** [?, BR09, ?, ?, DP06, EJ06, HK09, ?]. **direct** [?]. **Directional** [?]. **Directions** [?]. **Dirichlet** [AGV04, BH00b, ?]. **discontinuities** [?]. **Discontinuous** [?, AMG07, CCSS02, CC07, Che05a, CS08a, CKS04, CGW09, ES02b, FK07, GS06b, GRW05, GJ00, GNP08, Guz06, Guz08, ?, ?, ?, ?, ?, ?, ?, ?]. **discrepancies** [CS08b]. **discrepancy** [Dic07, ?, FMW02]. **Discrete** [AMR04, Chr04, ?, ?, ?, BLP09, BE05, DDS05, ER03, Eng02, Fan01, FP04, FK07, GSY08, GGS08, HM06, JL03, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?]. **Discretisation** [?]. **discretisations** [CF01]. **discretization** [AFT05, BP07a, BLP09, BBM05, BH02a, CLP06, DP09, EL02, GOPT02, JSX06, ?, ?, ?, ?, ?]. **discretizations** [AMCJ04, Han06, ?, dFMS01]. **discretized** [?]. **discriminant** [JR03]. **discriminants** [BM09, ?]. **disjoint** [BF03]. **dislocations** [EF08]. **dispersive** [?]. **display** [CJ05b]. **dissipative** [Han06, ?]. **dissolution/precipitation** [PPF06]. **distance** [Cam04]. **distinct** [BM03, ?, ?]. **distinctness** [?]. **Distribution** [DG02, BH00b, BP07b, CS04, EGGR02, FS01, GS07, ?, ?]. **distributions** [DMGVJP05, DMGVPR06, DGK05]. **div** [BP04, CGP08, ?]. **div-curl** [BP04, CGP08]. **divergence** [BU07, BLyS07, CCS06a, Fus08, FNWW09]. **divergence-free** [BU07, BLyS07, CCS06a, Fus08]. **divide** [DJ09b]. **Divided** [FL08, FL07]. **divisibility** [EK05, FS04]. **division** [Gol08, ?]. **divisor** [CGO07, Ian00]. **Divisors** [CHGN08, GS04a, ?, ?, ?, ?]. **dodecahedron** [?]. **domain** [AK08, BC02a, Ber04b, BS00, DNR09, GRW05, ?, HB01, HW00, Hua04, ?, ?, ?]. **domains** [GKY06, Hal01, HR03, Joh00, ?, ?, ?, ?, ?, Fed07]. **dominant** [AXY02, DST08, GI04, ?]. **double** [DS01, DIM08, GTTD07, ?, ?, ?]. **double-base** [DIM08]. **doubling** [Ale03, AD05]. **Drinfeld** [?, ?]. **driven** [CW09]. **dual** [BC07b, GM01a, GH02, HVM09]. **dual-dual** [GM01a, GH02]. **Dyer** [ASwaAbJC05, FLS⁺01, GJP⁺09]. **Dynamic** [?, Asl04, FK07]. **Dynamical** [?, ES02b]. **dynamics** [EF08, ?, ?, HW06, ?]. **Each** [BC02b, CB02, HSWW01, ?]. **eddy** [AMR09, BRS05, Hip03]. **edge** [BS08, HSZ08]. **effective** [Har05b, ?]. **Effects** [BC02a, Gos02]. **Efficient** [Beb05, BS07b, CR03b, ESU02, ?, ?, All04, Car04, CF04, DK06, PPF06, Jin06, ?, ?, ?]. **Ehrhart** [Bar06]. **eigenfunction** [?]. **eigenspaces** [JS01]. **Eigenvalue** [?, ?, AXY02, BKP05, Dav00, Eld02, GO09, GL05, ?, ?, ?, ?, ?, ?]. **eigenvalue/eigenvector** [GO09]. **eigenvalues**

[DGTZ07a, DGTZ07b]. **frameworks** [?].
Fredholm [Chr04]. **free** [BU07, BLYS07, CCS06a, DL04a, FT00a, Fus08, FNWW09, ?, ?]. **Frémond** [?]. **frequencies** [Fri00]. **frequency** [BLR05, ?, ?]. **Freudenthal** [HNSZ08]. **Frobenius** [Gra01]. **Fuchsian** [Ave08, Joh00]. **Full** [?, Bre02, Han00]. **Full-wave** [?]. **Fully** [CKMP03, FK07, FP04, GOPT02, GSY08, GGGS08, HX01, ?]. **Function** [?, AMG07, AGG09, BJA04, Bau04, BJLS08, BFM08, BB04b, BB07, Bro09, CDJ+07, CCS06b, CO08, DJ06, ES02a, FPS01, FPS02, Fri00, GS07, Hag09, Hei09, JBA05, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?]. **functional** [Gav06]. **functionals** [?, ?]. **functions** [AC08, BD01b, BM02, Buh01, BCBDBGV09, Car06, Car08, Chu05, CTZ06, DGVN02, DHB+04, DS01, DK06, DGK05, DL05, FL08, Fre05, FK00, GHK04, GHK05, GST01, GS02, HJ02, HN00, Ito03, JH01, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?]. **Fundamental** [Coh02, HJ02, Joh00, ?].

G. [Cri04]. **Galerkin** [AD05, Bea00, Beb05, BE05, CCSS02, CC07, Che05a, CS08a, CKS04, CDG08, CGW09, DM02, DM09b, EGCZ04, ES02b, FK07, GS06b, GRW05, GNP08, Guz06, Guz08, HS01, ?, ?, ?, ?, ?, ?, ?, ?, dFMS01]. **Galois** [All04, CR03a, FFGM04, ?, ?, ?]. **gamma** [?, ?]. **gaps** [Cut01]. **gauge** [?, ?]. **Gauss** [BTW01, BDMGVO00, CGGR00, DVB08, EG04, Gur06, HN00, ?, ?, ?, ?, ?, ?, ?]. **Gauss-type** [BDMGVO00]. **Gaussian** [Ber06, BD01b, DGK05, GI04, iHH05, Hou02, JL03, ?, ?, ?, ?, ?]. **gcd** [?]. **Gegenbauer** [ADGR04]. **General** [CTZ06, ?, ACFP02, ACC+08, Beb05, GK09a, JL03, JS09, ?, ?, ?, ?]. **generalization** [iHH05]. **generalizations** [?]. **Generalized** [?, BR98, BR05, BR11, CS08b, Doc05, DGTZ07a, DGTZ07b, DG02, FG06, ?, Hei09, JHL08, ?, ?, ?, ?, ?, ?, ?, ?, ?]. **generated** [AE07, FK00, ?, ?]. **generator** [CS04, FS01, FPS01, FPS02]. **generators** [BDF08, BGPGS05, GP02c, ?]. **generic** [?, iHHR08]. **Genus** [GG09, Eng02, FLS+01, GTTD07, GJG03, GL06, ?, ?, ?, ?, ?]. **Geometric** [Hai01, ?, GP08b, iHH05, JKKZ07, ?, ?, ?]. **geometries** [?]. **Geometry** [Boe01, ?, Coh00]. **GF**

[CD01]. **ghost** [?]. **giant** [?, ?]. **giant-step** [?, ?]. **Gilbert** [BKP08, ?]. **Ginzburg** [DJ05]. **given** [?, ?, ?]. **Global** [HP05, ?, ?, ?, ?, Bre04c, ?, ?]. **globally** [CCS06a, HSWW01, ?]. **GLP** [ESU02]. **Godunov** [AMG07, Ell06]. **Golay** [BF04]. **Goldbach** [?]. **Good** [?, DK04, DPW08, ?]. **Gosper** [CCG08]. **GR** [?]. **Grad** [?]. **Grad-div** [?]. **gradient** [CLY06, DY01, Dai03, Dem07b, GH02, HSWW01, ?, ?, ?, ?, ?, ?, ?, ?]. **graphs** [AE08, BJM00]. **greatest** [Har05b]. **Greedy** [?]. **Green's** [AGG09]. **GREP** [?]. **grid** [EL02, GK09a, JSX06, ?, ?, ?]. **grids** [BC02b, CB02, Car04, CKK03, Ell07, HX03, HX08, ?, ?, ?, ?]. **Gröbner** [FG06, ER07, FJT07]. **group** [ACP04, BDF08, BS05b, CI00, CCIL02, Deu02, FFGM04, Fri00, FK00, Gir06, Han00, HPP03, HR08, ?, ?, ?, ?, ?]. **groups** [AE07, Ave08, BEFG05, CMT04, DA07, EO03, Göb02, Hul00, IK05, Joh00, ?, ?, ?, ?, ?, ?]. **Guide** [?, Eld02].

h [?]. **h-p** [?]. **Haar** [HHY04]. **Hadamard** [FG04]. **Hamburger** [CF02]. **Hamilton** [ACFP02, BJ07, ?, ?]. **Hamiltonian** [HW06, HLS06]. **Hamming** [?]. **hand** [?]. **Handbook** [?, ?]. **Hardy** [FL06]. **harmonic** [BKS09, BP07a, BP07c, BP08, BLYS07, CC08, CGO07, GP03, GS04a, Jia05, ?, ?, ?]. **harmonics** [?]. **having** [?, ?]. **heat** [BLP09, DP09]. **Hecke** [Ahl08, FJ02, ?]. **height** [Doc01]. **heights** [Bar04, BvL07, Dre03]. **Heilbronn** [BSO07]. **Hellman** [?]. **Hensel** [GL02, ?]. **Hermite** [ADGR04, DVM02, FGT02, GS02, GHL06, HYP04, HYX05, Jun06, Jüt01, ?]. **Hermitian** [BGL07]. **Hessenberg** [?]. **Heterogeneous** [ET05, ?]. **Heun** [?]. **Heuristics** [?, HM06, ?]. **hexagonal** [?]. **Hidden** [HGNS03, ?]. **Hierarchical** [GKY06, Dav00]. **High** [ACP04, CGP06, GG04, dRvdL09, BKPS08, BJLS08, BG06, BM08, Des01, Eng02, ?, ?, ?, ?, ?, ?]. **high-genus** [Eng02]. **High-order** [GG04, BM08, ?]. **high-performance** [?]. **Higher** [How00, ?, Cao08, CS08a, DA07, GUW00, HN07, ?, BC02b]. **Higher-order** [How00, ?, ?]. **highly** [AET09, HV07, IN06, ?, ?]. **Hilbert** [Brö08, CR00, DVM02, Dem07a, Deu02, Du09, GM05, GL06, ?].

Hilliard [FK07]. **hit** [Hol04]. **hodograph** [Jüt01, ?]. **holistic** [?]. **hollow** [DJ05]. **holomorphic** [BB04b, BB07]. **homogeneous** [?, ?]. **homogenization** [?]. **homographic** [BGH09]. **homomorphic** [Hul00]. **Homotopic** [?]. **homotopy** [?]. **HP** [?]. **hundred** [Ian00]. **Hunter** [HKR07]. **Hurwitz** [GS07]. **Hybrid** [BR03, GGL09, Dai03, ?]. **hybridizable** [CDG08]. **hybridization** [CG05]. **Hybridized** [CCS06a, CC07]. **hydroelasticity** [?]. **hyperbolic** [CGP06, CLSS03, FR02, GHL06, GL05, ?, ?, ?, ?, ?, ?]. **hypercube** [FMW02]. **hyperdeterminant** [HSYY08]. **hyperelliptic** [BJLS08, BS09, Eng02, ES02a, GS05, GTTD07, ?, ?, ?, ?]. **hyperflexes** [Gir06]. **hypergeometric** [Car06, DS07, GST07, ?, ?, ?]. **hypersingular** [?]. **hyperspheres** [?].

ideal [BDF08, ?, ?, dIM02]. **ideals** [ES02a, GWW09]. **idempotents** [?]. **Identification** [AGH07]. **Identifying** [DST08]. **identities** [BB03b]. **if** [?]. **Igusa** [?]. **II** [BC02b, BB01b, Boy02, Bro01, CDNZ00, Gur08, HP03, ?, ?, ?, ?, ?, ?, ?, ?]. **III** [EL02, ?]. **ill** [DD08, ?, ?, ?, ?]. **ill-posed** [DD08, ?, ?, ?, ?]. **image** [?, ?]. **images** [Hul00, ?]. **imaginary** [Bro00b, ?, ?]. **immersed** [Fed07]. **impedance** [DM02]. **implementation** [AMR04, FHR03]. **implementations** [?]. **Implementing** [?]. **Implicit** [IHvdV08, AC04, Asl04, BP07a, BCS06, He08]. **implicit/explicit** [He08]. **Implicitly** [?]. **imposed** [AFW07]. **Improved** [IHU05, ?, GP08b]. **improvement** [EH09]. **Improvements** [JL03]. **Improving** [GLV00, ?]. **incompressible** [BKPS08, BM05, CF01, CKS05, Gir05, GG04, GSY08, ?, ?, ?, ?, ?]. **indefinite** [GP03, JH01, ?]. **independence** [Emm02, ?]. **Index** [Ale03, CD05, GP01, GTTD07, Jay06, ?, ?]. **index-** [?]. **Index-doubling** [Ale03]. **indicators** [BH02a]. **individual** [GJP⁺09]. **inequalities** [BW00, Bre04b, BR09, DFG⁺04, ?, ?]. **inequality** [?]. **inequivalence** [FG04]. **inexact** [Cat05, ?, ?]. **inextensibility** [HP02]. **Inf** [?]. **Inf-sup** [?]. **infinite** [DG04, EZ06, ?, ?, HW02, ?, ?, ?, ?, ?]. **infinite-dimensional** [EZ06]. **infinity** [?].

information [?, ?]. **inhomogeneities** [AGH07]. **inhomogeneous** [GST01]. **initial** [AMCJ04, BCS06, CP02, GHL06, He08, dFMS01]. **initial-boundary** [BCS06, GHL06]. **inner** [Dab05]. **Instability** [?]. **Integer** [Dra06, FRSÉ06, BB01a, BPTJ07, BPP03, BM03, CDJ⁺07, Cre08, Fla09, HS06b, HS08, JL03, ?, ?, ?, ?]. **integers** [AS09, ABP06, BB08, FR05, Fla09, For02, ?, ?, ?, ?, ?]. **Integral** [?, Bea01, BS05a, Chr04, Cou06, DHS07, Du09, EO03, Gav06, GS04a, HK09, HZ01, Hou02, ?, ?, ?, ?, ?, ?]. **integral-algebraic** [?]. **Integrals** [Fre05, Car06, GST01, Gra02, HV07, IN06, ?, ?, ?, ?, ?, ?, ?, ?]. **Integration** [GWTW08, BM02, DKPS05, FPF06, GLPW04, GW06, GS04c, Hai01, HSW04a, HSW04b, JH01, ?, ?, ?, ?, ?, ?, ?, Gau00]. **integrator** [GT07]. **integrators** [CHV07]. **interface** [DL07, Fed07, FP04, ?, ?]. **interface-acting** [?]. **interfaces** [Fed07, ?, ?]. **interior** [BE07, FOS05, FOS09, Fre04, ?]. **interior-point** [Fre04]. **intermediate** [?]. **interpolant** [HYP04]. **interpolants** [Fus08, FNWW09]. **interpolated** [DM08]. **interpolation** [BD01a, Cao08, CSX07, GMT08, GS02, HNSZ08, JKKZ07, Joh01, Jun06, Jüt01, ?, ?, ?, ?, ?, ?, ?]. **interpolations** [GWTW08]. **interpolatory** [BU07, HJ06, ?, ?]. **intersection** [BP07b]. **intervals** [BDMGVO00, ?]. **introduction** [?, ?]. **invariant** [DJ06, FK09, ?]. **invariants** [FK01, Göb02, ?, ?]. **Inverse** [DFG⁺04, Geo08, ?, ?, Bur03, Car08, CDW07, FL08, GI04, ?, ?]. **Inverse-type** [Geo08]. **Inversion** [BDMM01, Beb05]. **inverse** [Emm02, ?]. **inverting** [CCS06b]. **investigations** [BLP03]. **Involutions** [IK05]. **involving** [Dab05, Fed07, ?]. **irrationality** [Har09, ?]. **Irreducibility** [?, Ahl08, FJ02]. **Irreducible** [?, ?, ?]. **irregular** [Fed07, HSWW01, ?, ?]. **irregularities** [BH00b]. **irregularity** [Hol02, Hol04]. **isogenies** [BMSS08, ?, ?]. **isogenous** [?]. **isogeny** [Hur05]. **Isomorphisms** [Cou00]. **isoperimetric** [?]. **isothermal** [GHL09]. **isotropic** [?]. **iterands** [GHS07]. **Iterated** [DJ06, BM09, ?]. **iterates** [AL03, ?]. **iteration** [COS09a, CDNZ00, HSTX04, ?]. **iterations** [BEGG08, COS09b]. **Iterative**

[?, CPTZ04, GLFE06, ?, ?, ?, ?, ?]. **iteratively** [IHU05, ?]. **Iwasawa** [FK01, FK09].

Jack [DK06]. **Jacobi** [BJ07, ACFP02, CdSF09, DGVN02, ?, ?, ?, ?, ?, ?, ?]. **Jacobi-type** [DGVN02]. **Jacobian** [BEFG05, Car06, Car08, GG09]. **Jacobians** [Eng02, FLS⁺01, ?, ?, ?]. **Jacobsthal's** [Hag09]. **Jacquet's** [Bro09]. **Jantzen** [Boe01]. **jitter** [Dab05]. **jump** [?]. **justification** [?].

K3 [Bar04, BvL07, ?]. **Kac** [Bos03]. **Kalantari** [Jin06]. **kangaroo** [?]. **kernel** [Bro00b, Du09, Gro04, ?, ?, ?]. **kernels** [Bro05b, ?, ?]. **key** [?]. **kinds** [Bro04, Bro05a, ?, ?]. **kinetic** [ADNT04]. **Kirkman** [CCIL02]. **Klein** [?]. **Kloosterman** [Gur08]. **knots** [?]. **known** [Gar03]. **Kolmogorov** [FL06]. **Korn** [Bre04b, ?]. **Korovkin** [Cap00]. **Kreiss** [EZ06, ?]. **Kronrod** [CGGR00]. **Krylov** [?]. **Kummer** [CDO03, DG04, DST08]. **Kutta** [AMCJ04, CP02, FS05, GP00, Han06, HLS06, Jay06, ?, ?, ?, ?].

lacunary [FS04]. **Lagrange** [BLP09, BRS05, HW00, HNSZ08, HS01, ?]. **Lagrangian** [ACC⁺08, BM08, DL07]. **Laguerre** [?, GWTW08, ?, ?]. **lambda** [GLV00, ?]. **Lanczos** [?, ABFH00]. **Lanczos-type** [ABFH00]. **Landau** [BKP08, DJ05]. **Landen** [BM02, ?]. **Laplace** [BH02a, GP06a]. **Laplacian** [CLY06, ?]. **Large** [?, BTW05, Bel04, Ber05, BES03, Dus02, GTTD07, ?, ?, ?, ?, ?, ?]. **Large-Scale** [?, ?]. **largest** [CGO07, Ian00]. **last** [HR08, ?]. **Latin** [FMW02]. **Lattice** [BKPS08, CL00b, CL01, DK04, DKPS05, Dic07, ESU02, ?, ?, ?, ?, ?, ?]. **Lattice-Boltzmann** [BKPS08]. **lattices** [AS09, DPW08, ?, ?]. **Laurent** [DMGVJP05, DMGVPR06]. **Lavrentiev** [?]. **law** [AMG07, BB06]. **laws** [Bos04, BPV03, CKMP03, Fan01, FR02, Gos02, ?, ?, ?, ?, ?, ?, ?, ?]. **Lax** [Des04, Ell07]. **layer** [CC08, ?, ?]. **layer-adapted** [?]. **layers** [FOS05, FOS09]. **LCG** [ESU02]. **LDG** [CCS06a, CKS05, CDG08]. **LDG-hybridizable** [CDG08]. **leading** [?]. **least** [BKP05, CDW07, DL04b, EG04, Gib09, Gir06, ?, ?, ?, ?, ?, ?, ?]. **least-squares** [BKP05, DL04b, ?, ?, ?, ?].

Lectures [?, ?]. **Legendre** [?, ?, HK08, ?, ?]. **Lemma** [CCG08]. **length** [HMV09, ?, ?]. **lengths** [BF04]. **less** [?, ?]. **Level** [Asl04, ?, CJ05b, DL07, FJ02, ?, ?, ?]. **levels** [FMTW06]. **lie** [Bos03, FR05, CI00, CMT04, ?, ?]. **Lifshitz** [BKP08]. **lifting** [GL02, Guz06, ?]. **like** [BM00a, ?]. **limiter** [?]. **Limiting** [Bou06, DGK05]. **limits** [FP04, ?, ?]. **line** [Dam04, DVM02, ?]. **Linear** [BB03b, BB06, ?, ?, AFW07, BBG00, BS05a, CP02, CD03a, CD03b, CF04, CDW07, DM08, Dem04b, EGCZ04, Eng09b, Flo03, GT07, GJ00, GP02c, HB01, HR06, JC05, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?]. **Linearized** [COS09b, COS09a]. **Linearly** [AC04]. **Links** [?, HS07b]. **Liouville** [BFM08, Cha05, ?]. **Lipschitz** [?]. **Lipschitzian** [AC08]. **list** [GP08b]. **Littlewood** [BG06, DJ09b]. **LLL** [HK09]. **LLL-reduction** [HK09]. **Lobatto** [BTW01, HN00]. **Local** [Dem07b, DQR04, EG04, GMT08, Guz08, ?, ?, ?, ?, AGG09, Bro01, CCSS02, Che05a, CKS04, EF08, GS06b, GNP08, HNSZ08, ?, ?, ?, ?, ?, ?, ?, ?]. **Localization** [Gos02, ?]. **Localized** [Dem04a, Dem04b, Dem07c]. **Locally** [?, BLYS07, CKS05, ?, ?]. **Locking** [FT00a, ?, DL04a]. **Locking-free** [FT00a, ?, DL04a]. **logarithm** [HM06, ?]. **logarithmic** [Bra08, ?]. **logarithms** [BB06, Eng02, JL03, ?, ?, ?]. **logs** [?]. **Long** [BO02]. **Long-term** [BO02]. **Low** [CC06, CF01, CD05, ?, ?, ?, ?, CB02]. **low-frequency** [?]. **low-order** [CF01]. **Lower** [AL03, BS00, DM09a, FMTW06, ?, HS07c, ?]. **Lubkin** [?]. **lubrication** [Grü03]. **Lucas** [Bay08]. **Lucasian** [BB04a]. **Lusztig** [Boe01].

Maass [FL05, ?, ?]. **Macaulay** [JV05]. **Macro** [?, ?]. **Macro-elements** [?, ?]. **magnetohydrodynamics** [?]. **Magnus** [Dam04, GT07]. **Magnus-type** [GT07]. **Mahler** [FRSÉ06, ?]. **making** [CO08]. **Malliavin** [?]. **manifolds** [?, ?, ?]. **Manin** [Dem07a]. **many** [?]. **map** [BP07a, BLP09, Fie01]. **mapping** [?]. **mappings** [Flo03]. **marching** [?]. **Marcinkiewicz** [?, ?]. **Markov** [?, ?]. **Marsden** [?]. **martensitic** [?]. **Martinet** [DJ09a]. **masks** [?]. **mass**

[DS00b]. **Multilevel**
 [?, ?, BM00b, DD08, Hip03, HSTX04]. **multiphase**
 [?]. **multiple** [ABFH00, Grü03, ?, ?, ?].
multiplication [BPZ07, GG09, ?, ?].
multiplicative [HPP03, ?]. **multiplier** [HW00, ?].
multipliers [BLP09, BRS05, HGNS03].
multiresolution [CKMP03]. **multiscale**
 [AET09, CH03, ET05, ?, ?]. **multistep**
 [CD03a, CD03b, HR06, ?]. **Multivariate**
 [HYP04, CTZ06, DKPS05, Gao03, GW06, GS04c,
 HSW04a, HMZ03, HV07, IN06, ?, ?, ?, ?, ?, ?].
Muskhelishvili [DV07].

natural [GM01b]. **Navier**
 [AL05, ACPT07, BKPS08, BC07a, CKS05, DM09b,
 GRW05, He05, HS07a, He08, ?, ?]. **Near** [?, ?].
near-interpolation [?]. **nearest** [?]. **nearly**
 [BM05, HSZ08, ?]. **negative** [?, ?, ?]. **Neumann**
 [BC02a, HR03, ?]. **never** [?]. **Newman**
 [BM03, DJ09b]. **Newton** [Bul04, BP07b, Cat05,
 DS00b, DS00a, EG04, ?, ?, ?, ?, ?, ?].
Newton-like [?]. **Newton's** [EH09]. **Nicolson**
 [AMN06, HS07a]. **Niederreiter** [FHR03, ?].
nilpotency [FFGM04]. **nine** [?]. **Nitsche** [JS09].
no [DJ09b, ?]. **Noether** [CF02, iHHR08]. **noisy**
 [HGNS03, ?]. **nomials** [?, ?]. **Non**
 [?, AC08, ABM04, BGL07, CK03, DFG+04, EF08,
 GP01, He08, ?, ?]. **non-abelian** [CK03].
non-dissipative [?]. **non-Hermitian** [BGL07].
Non-hyperelliptic [?]. **non-interior** [?].
non-Lipschitzian [AC08]. **non-local** [EF08].
non-quasi-uniform [DFG+04]. **non-reflecting**
 [ABM04]. **non-smooth** [GP01, He08].
nonadjacent [?]. **noncoercive** [?].
Nonconforming [DL04b, ?, AR08, Bre04a,
 BLY07, CB02, DA05, HS07c, ?, ?, ?, ?, ?].
nonconservative [CGP06]. **nonconvex** [?]. **none**
 [Che05b]. **nonexistence** [Bar04, ?, ?].
Nonholonomic [Arn01]. **Noninterpolatory**
 [HYX05]. **Nonlinear** [BC07a, HS09a, AC04,
 ADNT04, BGP05, Bul04, CJ06, Con05, DY01,
 DK03, EG04, GS01, GM01a, GM07, GOPT02,
 Han06, HSTX04, ?, ?, ?, ?, ?, ?, ?, ?, ?].
nonmatching [HX03, ?]. **nonmonotone** [GNP08].
nonnegative [?]. **nonnested**
 [DGTZ07a, DGTZ07b, ?]. **nonoscillating** [GST01].

nonoscillatory [?]. **nonoverlapping**
 [BS00, GRW05, HS09a, Hua04]. **nonsingular**
 [Bai06, FNP00, Hou02, ?]. **nonsmooth**
 [Beb05, DK03, GS02, dFMS01]. **nonsolvable** [?].
nonsplit [CC04]. **nonstaggered** [CKK03].
nonstationary [?]. **nonsymmetric** [BPV00a, ?].
Nontrivial [CR03a, ?, CCIL02, ?]. **nonuniversal**
 [GW06]. **nonzero** [CHS09]. **norm** [BTW03,
 COS09a, CLY06, CSX07, GSS07, ?, ?, ?, ?, dIM02].
Normal [Cou06, HS03, CK03, Huh03]. **normalizer**
 [iHHR08]. **norms** [BPV00b]. **note** [Cri04, ?].
Notes [?]. **NUCOMP** [?]. **Number**
 [?, Bar04, BvL07, BGP05, Bro00a, Cer07, CK03,
 Cha09, CGO07, CMP03, Dég01, DIM08, DTvW04,
 FP06, GP08a, Har05a, Har07, Hol03, HGNS03,
 Ian00, IS03, JL03, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?,
 ?, ?, ?, ?, ?, ?]. **numbers**
 [AFH07, BJA04, BB01b, BP07b, Ber05, BR98,
 BR05, BR11, Boo06, BH02b, BCDV00, BJM00,
 Che05b, Coh09, CS04, CL00b, CDW07, Dre03,
 DM09a, DG02, Emm02, GS04a, GO08, GP02b,
 Hak09, Hei09, Hol02, How00, Jen03, JBA05, ?, ?, ?,
 ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?].
Numerical
 [ABM04, BKP08, BRS05, Ber06, Bri01, CHV07,
 Fed07, FR02, Gir05, GJ00, Hua04, JH01, ?, ?, ?, ?,
 ?, ?, ?, ?, ACFP02, BCL08, CC07, CGO05, CHLS02,
 DG01, DMGVPR06, FL09, FPF06, FM02, Gos02,
 Hai01, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?].
Numerically [GST07]. **Nyström** [?].

observation [?]. **Obstacles** [?]. **obtain** [?].
obtained [iHH05]. **obtaining** [Dav00]. **octic** [?].
Odd [GO08, Jen03, ?, Che05b, CGO07, Har05a,
 Har07, Ian00, IS03, ?, ?, ?, ?, ?, ?]. **old** [BCC06].
One [Flo03, CC07, CK03, GJ00, Ian00, ?, ?, ?, ?,
 DM02]. **one-dimensional** [GJ00]. **one-parameter**
 [?]. **One-sided** [DM02]. **One-to-one** [Flo03]. **ones**
 [CD03a, ?]. **only** [?]. **onto** [Car02, ?]. **open** [?].
operations [?]. **operator**
 [BD01a, CDD01, GHK04, GHK05, GK09a, ?, ?].
operator-valued [GHK04, GHK05]. **operators**
 [BTW03, Beb05, BS05a, CD07, CDD08, DJ06,
 GS06a, Guz06, HO09, ?]. **Optimal**
 [Bos04, Bra08, CCSS02, CSX07, DD08, HJ06, He05,
 HHY04, HMGR00, ?, ?, ?, Che08b, CL01, DH01,

GHS07, GW06, HSZ08, ?, ?]. **optimality** [CHX09, ?]. **Optimization** [?, Dai03, FMTW06, ?, ?, ?, ?, Fre04, ?]. **Optimized** [GK09a, BGH09, ?]. **option** [AFT05]. **orbit** [EO03]. **orbit-stabilizer** [EO03]. **orbits** [?, ?]. **Order** [?, ASW09, BKPS08, BC02b, Beb05, BG06, BM08, Bou06, Bre02, Bre04a, CP02, CD03b, Cao08, CF01, CB02, Car04, CGP06, Che05a, CS08a, CDG08, CGW09, CCIL02, CTZ06, DP09, Des01, DD08, EGCZ04, GMT08, GT07, GG04, How00, HS07c, Joh01, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?]. **orders** [ER07, GM01b, ?]. **ordinary** [AET09, ET05, GWTW08, ?, ?, ?]. **Orthogonal** [DMGVPR06, Huh03, ?, dB00, BLR05, DMGVJP05]. **Orthomorphisms** [?]. **orthonormal** [Dam04]. **oscillating** [CH03]. **oscillations** [ER03, ?]. **oscillatory** [AET09, HV07, IN06]. **Oseen** [CKS04]. **Osher** [FS05]. **other** [?]. **overdetermined** [DS00a]. **Overlapping** [GP03, ?, HX03, ?]. **overset** [?]. **ovoids** [CD01].

P [Ber05, ?]. **packings** [?]. **Padé** [CTZ06, DMGVJP05, DM02, FG06, ?, ?]. **PageRank** [BRZ08]. **pair** [Gar03]. **pairs** [BF04, Cos03, Cut01, ?]. **pantograph** [CJ09, ?]. **paper** [Cri04]. **Parabolic** [?, AC04, AMN06, ADNT04, AD05, BJ07, BBM05, BCS06, BM00b, CF04, CL00a, DG01, GP00, GOPT02, GT07, ?, ?, ?, ?, ?, ?, ?, ?, ?, dFMS01]. **Parallel** [BB01a, HK09, CPTZ04, GH05, ?, ?]. **parallelization** [GLFE06]. **parallelized** [GLV00, ?]. **Parameter** [?, Cha05, CGO05, DY01, ESU02, ?, ?, ?]. **Parameter-uniform** [?]. **parameterized** [Faß01]. **parametric** [GL00, JKKZ07]. **parameterized** [DD09, ?]. **Parity** [AE08, CO08]. **Parity-regular** [AE08]. **Part** [Gir05, ?, ?, ?, ACFP02, BC02b, CCS06a, CB02, CDNZ00, GHL09, HSWW01, ?]. **Partial** [aY07, AFT05, CDNZ00, CS08a, DG01, Gao03, JSX06, ?, ?, ?, ?, ?]. **particle** [Bos04, FM08, FM02, ?]. **particular** [Cut01]. **partition** [CDJ⁺07, CO08]. **partitioned** [HLS06]. **partitions** [FL08, HNSZ08, ?, ?]. **parts** [Emm02, ?]. **Pasciak** [Car02]. **passing** [?]. **patch**

[?]. **patchwise** [HS06a]. **pattern** [Cal09]. **PDE** [?, ?]. **PDEs** [Fed07, DM08, HLS06, ?]. **peak** [?]. **penalty** [BE07, He05, ?]. **eigenvector** [GO09]. **explicit** [He08]. **potential** [BR02]. **precipitation** [FPF06]. **pencils** [?]. **Penrose** [CDW07]. **pentanomials** [?]. **perfect** [BLP07, GO08, Har05a, Har07, Ian00, IS03, Jen03, ?]. **perfectly** [BJM00, CC08, ?]. **perform** [BO00]. **performance** [?, ?]. **Period** [FPS01, FPS02, Emm02, GP02c, iHH05, ?]. **periodic** [BM00b, JC05, ?, ?]. **Periodicity** [CO08]. **periodizing** [?]. **periods** [BB06, Gur06, ?, ?]. **permutation** [Hul00]. **perspectives** [?]. **Perturbation** [?, ?]. **perturbations** [?]. **perturbed** [AK08, AGG09, BES03, BCL08, Cat05, FOS05, FOS09, ?, ?, ?, ?]. **phase** [BGN06, FP04, FHL07, FK07, ?]. **physical** [ACPT07]. **Picard** [Bar04, BvL07, BTW05, ?]. **Piecewise** [Dem04b, Han03, Bre04b, Flo03, ?, ?, ?]. **Pisot** [AFH07, BH02b]. **place** [?]. **planar** [JKKZ07]. **Planck** [FGT02, ?]. **plane** [CF02, Gir06, ?]. **planes** [?]. **plate** [FT00a, HS07c, HS09b, Hua04, ?, ?]. **Plateau** [?]. **plates** [CH08, ?]. **PML** [BP07c, BP08]. **Point** [BTW05, BPV00a, BPZ07, CM06, DM02, Eng09a, Fre04, HZ04, ?, ?, ?, ?, ?]. **Points** [Cam04, BTW01, Bra08, Deu02, Dra06, Gir06, HN07, ?, ?, ?, ?, ?, ?, ?]. **Pointwise** [AK08, Che05a, Guz06, Dem04a, Dem07b, Dem07c, Guz08, HSWW01, ?]. **Poisson** [BM08, ?]. **Polak** [?]. **polar** [?]. **poles** [DVB08]. **Pollard** [GLV00, ?, ?]. **Polyak** [?]. **polyanalytic** [Huh03]. **polycyclic** [EO03]. **polycyclicality** [AE07]. **polygon** [FL08]. **polygons** [?]. **Polyharmonic** [?, BD01b]. **polylogarithmic** [Fre05]. **polylogarithms** [BdJ08]. **Polynomial** [CDD08, ?, ?, Bar06, Brö08, Con05, Dég01, DKPS05, Dic07, DJ09b, Eng09a, GL02, Gök02, Gur06, Han03, JKKZ07, JV05, ?, ?, ?, ?, ?, ?]. **polynomial-time** [?]. **polynomials** [Abb02, Ahl08, ADGR04, BG06, BM00a, BM03, BLP08, Boy02, BLR05, CX09a, Dam04, DMGVJP05, DMGVPR06, Doc05, DQR04, DJ09b, Eng09b, FJ02, FS04, FRSE06, Gao03, GP01, iHH05, iHHR08, HMZ03, Huh03, Ito03, ?, Jin06, Jun06, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, dICYLR09, ?, ?, ?, Ber04a].

roots [?, ?, ?, ?]. **rotational** [GS04b]. **rough** [?, ?]. **RSA** [?, ?, ?]. **Rudin** [BM00a, Doc05]. **Ruelle** [DJ06]. **rule** [CJ09]. **rules** [CGGR00, CL01, DK04, DKPS05, Dic07, FL07, HV07, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?]. **Runge** [AMCJ04, CP02, FS05, GP00, Han06, HLS06, Jay06, ?, ?, ?, ?].

Sabin [?, ?]. **Sabin-12** [?]. **saddle** [BPV00a, HZ04, ?, ?, ?]. **saddle-point** [HZ04]. **SAGBI** [Göb02]. **Salem** [BH02b, ?]. **same** [?]. **sampling** [Cha05, FMW02, ?, ?]. **satisfactory** [GST07]. **Satoh** [?]. **Saturation** [BD01a, GM05, ?]. **Saxton** [HKR07]. **scalar** [Bos04, BPV03, ?, ?]. **Scale** [?, ?, ?]. **scales** [BPV00b, ?]. **scattered** [?]. **scattering** [BP07c, CC08]. **scheme** [BKP08, BF08, BCS06, CDNZ00, EF08, Ell06, FPF06, GHL09, HS07a, He08, ?, ?, ?, ?, ?]. **schemes** [ABM04, ADNT04, BKPS08, BJ07, BM08, BPV03, CGP06, CKMP03, DG01, Des04, DM02, DL07, ES02b, Fan01, GLFE06, GT01, Gos02, Grü03, GGGS08, GK09b, HX05, HJ06, HKR07, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?]. **Schnabl** [BD01a]. **Schönhage** [?]. **Schreier** [Cou00]. **Schrödinger** [AMR04, ABM04, ?]. **Schrödinger-type** [AMR04]. **Schubert** [?]. **Schur** [DK06, ?]. **Schwarz** [BW00, BGH09, GP03, HS09a, ?, ?]. **science** [?]. **scrambled** [?]. **SEA** [JL01]. **search** [CHS09, DJ09a, GLV00, ?, ?, ?, ?]. **searches** [ESU02]. **Searching** [DG04, ?, ?]. **second** [ASW09, Beb05, Bou06, Bre02, Bre04a, CD03b, Che05a, CDG08, CGW09, GT07, ?, ?, ?, ?]. **second-order** [Beb05, Bre02, CD03b, CDG08, CGW09, GT07, ?]. **section** [Bro07]. **sector** [?]. **Security** [?]. **sedimentation** [BCS06]. **sedimentation-consolidation** [BCS06]. **segmentation** [?]. **selection** [?]. **self** [HMV09]. **self-dual** [HMV09]. **Semi** [?, BM08, BCS06, DL07, ?, ?]. **semi-discrete** [?]. **Semi-discretization** [?]. **semi-implicit** [BCS06]. **semi-Lagrangian** [BM08, DL07]. **semi-linear** [?]. **semidefinite** [BGL07]. **semigroups** [BO02, ?, ?]. **semilinear** [CDNZ00, FOS05, HS09a, ?, ?, ?].

sense [?]. **sensing** [COS09b]. **sensitive** [FG04]. **Septic** [JR03]. **sequences** [Ale03, CJ01, EK05, ?, ?, ?, ?, ?]. **Sequential** [CPTZ04, ?]. **series** [Ave08, Car08, DVZ00, GUW00, ?, ?, ?, ?, ?, ?, ?, dRvdL09]. **service** [BdJ08]. **set** [Asl04, Bou06, DL07, Gol08, ?, ?, ?, ?]. **sets** [BM03, GG01]. **setting** [?]. **seven** [Jüt01, ?]. **several** [?, ?, ?]. **Sha** [Bru04, ?]. **shallow** [CGP06, HP02, HP03]. **shallow-water** [CGP06]. **Shamir** [?]. **Shanks** [?]. **Shape** [?, ?]. **shaped** [AK08]. **Shapiro** [BM00a, Doc05]. **Shapiro-like** [BM00a]. **Sharp** [CJ06, ?, ?, FP04, GS04c, ?]. **Sharpening** [Ber05]. **Sharply** [Dem07c]. **sharpness** [Jin06, ?]. **sheet** [?]. **shells** [HP02, HP03]. **Shepard** [CD07]. **shift** [?, ?]. **shift-invariant** [?]. **shifted** [?, ?]. **Shimura** [?]. **Shishkin** [?]. **shock** [Bri01, Fan01, ?]. **shocks** [?]. **shooting** [?]. **Short** [?, ?]. **Shu** [FS05]. **side** [?]. **sided** [DM02]. **Siegel** [FK00, Ito03]. **sieve** [JL03, ?]. **sieves** [AB04]. **Sieving** [?]. **Sign** [BFM08, CP08]. **signals** [Dab05]. **significant** [?]. **Signorini** [BR03, BB03a]. **Simple** [?, BB06, DA07, DS01, ?]. **simplest** [?, ?]. **simplex** [Bar06]. **simplicial** [?]. **simplified** [?]. **Simulating** [HW06]. **Simulation** [?, ABM04, ?]. **simulations** [?]. **Sinc** [EGCZ04, ?, ?, ?]. **singular** [ABH07, CC06, DK03, Du09, ?, ?, ?, ?, ?, ?]. **singularities** [AK08, Gru00, JH01, ?, ?, ?]. **singularly** [AK08, AGG09, FOS05, FOS09, ?, ?, ?, ?]. **sixth** [EGCZ04]. **sixth-order** [EGCZ04]. **size** [HMGR00]. **skew** [BGL07, ?]. **skew-circulant** [?]. **skew-Hermitian** [BGL07]. **slightly** [BCL08]. **slope** [DG04]. **slopes** [HS07b]. **Smale** [?, ?]. **Small** [BDF08, AGH07, CHS09, Dic07, FRSE06, FPS01, FPS02, GTTD07, HM06, ?, ?, ?, ?, ?]. **smallest** [AXY02, BH00a, ?, ?, dIM02]. **Smart** [?]. **Smith** [DNR09]. **Smoluchowski** [?]. **Smooth** [ES02a, ?, DV07, GP01, He08, HSWW01, ?, ?]. **Smoothed** [CW08]. **smoothing** [?]. **smoothness** [?, ?]. **Sobolev** [Gav07, BPV00b, DL05, FL06, Fus08, ?, ?, ?]. **Sobolev-type** [Fus08]. **solid** [Ain01, BGN06]. **solids** [?]. **Solution** [?, ?, BC02a, Con05, CR03b, DG01, DP06, Eld02, Hai01, Hua04, JV05, ?, ?, ?]. **Solutions** [?, Ber01, Bos04, CdSF09, DS07, DST08,

Ell06, EGGR02, FNP00, Fed07, GST07, HK09, Hol03, JC05, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?].
solvability [DS09]. **solve** [IHU05, ?]. **solver** [?].
solvers [?, ?]. **Solving** [Bul04, GP08a, Han00, ?, ?, ?, CGP06, EGCZ04, JPW03, ?, ?, ?, ?, ?]. **Some** [BH02b, Bro00a, Bro04, Bro05a, HM06, ?, ?, ?, ?, ?, BJA04, BBM05, BLZ03, BM09, CK03, FJ02, GRT04, GRT15, GNP08, ?, ?, ?, ?, ?, ?, ?, ?, ?].
Sort' [JL01]. **Soulie** [AR08]. **source** [Gos02, ?, ?].
sources [BPV03]. **Space** [?, BM00b, CC07, FM08, Gri03, ?, ?, ?, ?, ?].
Space-time [?, FM08, ?]. **spaces** [BBX03, Car02, CDD08, DL05, EZ06, GM05, GM07, Geo08, GK09a, HHY04, ?, ?, ?, ?, ?, ?, ?, Gav07].
Sparse [Abb02, GHK04, GHK05, GK09a, ?].
spatial [BC02a, EGGR02, EL02]. **spatially** [AMG07]. **Special** [?, CD03a, FK00, Ito03, ?].
Specialized [Jay06]. **specified** [GRT04, GRT15].
spectra [BH02b, BES03, Bou06, ?, ?]. **Spectral** [AMCJ04, CX09b, ?, ?, ?, BR02, DM02, FGT02, ?, Hal01, HR03, HK08, ?, ?, ?, ?, ?, ?, ?, dFMS01].
spectral-finite [FGT02]. **Spectral-fractional** [AMCJ04]. **spectrum** [Doc01]. **sphere** [Bra08, FNWW09, HP05, HX01, ?, ?, ?]. **spheres** [BP07a, BLP09, DJ05, ?, ?]. **Spherical** [?, ?, ?, DJ05, ?, ?]. **spheroidals** [Dab05]. **spinor** [?]. **spline** [AL05, GGL09, JL08, Joh01, ?, ?, ?, ?].
splines [CJ05b, GM01b, HNSZ08, ?, ?, ?, ?, ?, ?].
splits [?]. **splitting** [BGL07, Des01, Fao09, HO09, ?]. **spurious** [BBG00]. **Square** [GW08, ?]. **squared** [Car06].
squares [Abb02, BKP05, CDW07, DL04b, EG04, ?, ?, ?, ?, ?]. **SSM** [HP05]. **Stability** [GP00, ?, ?, BO02, BPS02, Bri01, FNWW09, GGGS08, ?, ?, ?, ?, ?, ?, ?, ?, ?, Car02].
stabilization [BM01, GMT08, ?]. **Stabilized** [ACPT07, BE05, CM01, HS07a, ?]. **stabilizer** [EO03]. **stabilizing** [HZ01]. **stable** [CP08, GI04, ?, ?, ?, ?, ?, ?]. **staggered** [EL02].
Stamp [?]. **standard** [?]. **standardized** [?]. **star** [Dic07, ?]. **Stark** [GRT15, Ble03, DTvW04, GRT04]. **stars** [?].
starting [ABFH00, IHU05]. **state** [ACFP02, DH01]. **statement** [?]. **states** [CGP06].
stationary [CF01]. **Statistical** [CS08b, Emm02, ?]. **steady** [ACFP02]. **Steinbach** [Car02]. **Steiner** [?]. **Steinhaus** [AE08]. **stencils** [HJ06]. **step** [AMCJ04, AD05, HMGR00, ?, ?, ?, ?, ?].
step-by-step [?]. **step-doubling** [AD05]. **step-size** [HMGR00]. **stepsize** [BO02, CD03a, CD03b]. **Stern** [BR09]. **Stewart** [?]. **Stieltjes** [DMGVJP05, DMGVPR06, Jun06, ?, dCYLR09].
Stieltjes-type [dCYLR09]. **stiff** [BPV03, ET05]. **stochastic** [AFT05, Bos04, DG01, DP09, DM08, FMTW06, Fao09, FL09, FM02, HMGR00, ?, ?, ?, ?, ?].
Stokes [AVT04, ACPT07, AL05, BKPS08, BC07a, CW09, CM01, CCS06a, CKS05, DNR09, DA05, DM09b, GHL09, GMT08, GRW05, Guz08, Hal01, He05, HS07a, He08, ?, ?, ?, ?]. **stopping** [AL03].
stress [?]. **stress-free** [?]. **stressed** [BGN06].
strict [CP08]. **Strictly** [?]. **strip** [?]. **Strong** [DMGVJP05, ?, ?, DMGVPR06, HSW04a, ?, ?, ?, ?, ?, ?]. **strong-stability-preserving** [?].
strongly [BCS06]. **Structure** [ER07, BS05b, CR03a, Cul09, Els01]. **Structured** [Bai06, ?, BEGG08, HX08, ?]. **structures** [Bai06].
studies [CHLS02]. **study** [?, ?]. **Sturm** [Cha05]. **Subdivision** [?, HYX05, HJ06]. **subexponential** [Eng02]. **subgrids** [?]. **subgroup** [?, ?].
subgroups [CD05, iHHR08, ?, ?]. **submatrices** [?]. **subquadratic** [?]. **subset** [BM03, CS04].
subspace [?, ?, ?, ?]. **Substructuring** [Ber04b, HZ04, ?]. **successful** [?]. **successive** [HSTX04]. **suitable** [?]. **sum** [BPTJ07, Che05b, CS04, ?]. **summation** [DVZ00].
Sums [Dre03, BKS09, Boo06, BM03, BFM08, DR01, EJ09, Fre05, Gur08, ?, ?, ?, ?, ?, ?]. **sup** [?].
superconducting [DJ05]. **supercongruences** [?]. **Superconvergence** [CC07, Che08b, HX08, ?, ?, ?, ?].
Superconvergent [CGW09, CDG08, ?, ?]. **superelliptic** [BEFG05, GPS02]. **Superharmonic** [Coh09]. **superlinear** [CT03]. **supersingular** [?].
supplement [BR98]. **support** [Buh01, ?]. **supported** [?]. **surface** [BGN06, CJ05b, FNWW09, Joh01, ?, ?].
surface-divergence [FNWW09]. **surfaces** [AGV04, Bar04, BvL07, Bru04, ?, ?, ?, ?, ?, Asl04].
Swan [?]. **sweeping** [?]. **Swinnerton**

[ASwaAbJC05, FLS⁺01, GJP⁺09].

Swinnerton-Dyer

[ASwaAbJC05, FLS⁺01, GJP⁺09]. **Sylow** [?].

Symbolic [CF02]. **symbols** [Dem07a]. **symmetric**

[AAW08, CD03a, CD03b, CX09b, DM09b, HX01,

HN07, HN00, ?, ?, ?, ?, ?]. **symmetries** [?].

symmetry [AFW07]. **symplectic** [Faß01].

symplecticity [HLS06]. **synchronous** [CPTZ04].

system

[BM08, DIM08, EF08, FPF06, Gib09, HW00, ?].

systems [ACC⁺08, ADNT04, Arn01, BKPS08,

BC07a, BP04, CD03b, CGP06, CDNZ00, CCIL02,

CGP08, DS00a, Dég01, Des01, DK03, DJ06, JSX06,

?, ?, ?, ?, ?, ?, ?, ?, ?, ?]. **Szego**

[BCBDGV09, DGVN02, ?].

Table [BR05, BR11, Car06]. **Tables** [?, CDO03].

Tamagawa [Ble03, ?]. **Tame**

[Bro05b, Bro00b, Gro04, ?]. **targeted** [DJ09a].

Tarry [BLP03]. **Tasoev** [?]. **Taylor**

[GUW00, ?, ?]. **technique** [BC02b, BP04, CD03b,

CB02, CC08, HZ01, ?, dHJW07]. **techniques**

[Car04, Har07, Hua04, BB01a]. **Templates** [Eld02].

Ten [BZ09, DFL⁺02]. **Tensor** [BTW01, ?].

tensors [AAW08, GUW00, ?]. **Tenth** [?]. **term**

[BO02, HN00, ?, ?]. **terms** [Gos02, ?]. **ternary**

[HJ06, HMV09]. **tessellations** [DJ05]. **test**

[BB04a, CP08, ?, ?, ?, ?]. **Testing**

[AE07, ?, BLZ03, Bri01, FS04, ?]. **tests** [Cap00].

tetrahedral [?, ?]. **tetrahedron** [?]. **their**

[BLP08, ?, ?, ?, ?, ?, ?]. **theorem**

[BS07a, Dég01, Des04, Ell07, ?, ?, ?, ?]. **theorems**

[BD01a, FL06, ?, ?]. **Theoretical** [?, ?]. **Theory**

[Ain01, ?, ?, ?, Cap00, CDO03, Hou02, ?, ?, ?, ?, ?,

?, ?, dRvdL09, ?, ?, ?]. **theta** [DHB⁺04]. **thin** [?].

third [Ian00]. **Thomé** [Car02]. **Three**

[BCDV00, CL01, DM02, AAW08, Bar04, BvL07,

BJLS08, Bea01, BPTJ07, Ber04b, BP07c, BP08,

BM01, DY01, EJ09, FMTW06, Hal01, HR08, HZ04,

HSZ08, ?]. **Three-** [CL01]. **three-dimensional**

[Bea01, Hal01, HR08, HSZ08, ?]. **three-field**

[BM01]. **three-parameter** [DY01]. **Three-point**

[DM02]. **three-rank** [BJLS08]. **threefolds** [Cul09].

Thue [GL00, GP02a, Han00, ?, ?]. **tight** [Bre05].

tile [GP02c]. **Tiles** [Har09]. **Time** [?, AMR09,

AMCJ04, AL03, Ber07, BP07c, BP08, BLyS07,

BM00b, CC08, CS08a, CLP06, DM09b, EZ06,

Eng02, Eng09b, FPF06, FM08, GLFE06, GP03,

Han06, He05, HS07a, He08, ?, ?, ?, ?, ?, ?, ?, ?, ?].

Time-dependent

[?, AMR09, DM09b, He05, HS07a, He08, ?].

time-discretization [?]. **time-harmonic**

[BP07c, BP08, BLyS07, CC08, ?]. **time-step** [?].

timed [HGNS03]. **timed-release** [HGNS03].

Toeplitz [?, BES03, ?, ?]. **Tornheim** [?]. **torsion**

[ACP04, Cul09, ?, ?]. **torsion-subgroup** [?]. **total**

[AL03, Har05a, Har07, IS03, ?]. **totally**

[ABP06, Cer07, Fla09, ?]. **towers** [Cou00]. **Trace**

[Fla09, ABP06, ?]. **traces** [CC07]. **Tractability**

[?, HW02, HSW04a, HSW04b, ?, ?, ?]. **transfinite**

[FRSE06, Fla09, HS06b, HS08]. **transform**

[?, ?, DVM02]. **Transformation** [?, ?].

transformations [BM02, ?, ?, ?, ?]. **transition**

[FK07, ?]. **Transitory** [DS07]. **transmission**

[GM01a]. **trapezoidal** [CJ09]. **travelling** [?].

treatment [BRS05]. **tree** [Bay08, BR09]. **triangle**

[?]. **triangles** [FP00]. **triangular**

[IK05, JHL08, ?]. **triangulations**

[Flo03, HSY08, JL08, ?, ?]. **tridiagonal** [?].

trigonometric [CL01, Han03, dRvdL09].

trinomial [BLZ05]. **trinomials** [BLZ03, BZ09, ?].

triple [CCIL02, ?]. **Trivariate** [AL05]. **true** [?].

truncated [?]. **trusses** [BS04]. **Trust** [?].

Trust-region [?]. **Turán** [BCC06, ?, ?].

Turbulence [?]. **twenty** [CMP03]. **twenty-fourth**

[CMP03]. **Two** [BS09, FL07, GP02b, HS07c, ?, ?,

ABM04, BC02a, Bai06, BS00, Bre05, CW09,

Che05b, CGO05, DM09b, ER03, FHL07, GG09,

GP02c, HJ06, JSX06, ?, ?, ?, ?, ?, ?, ?].

two-by-two [Bai06]. **Two-cover** [BS09].

two-dimensional [ABM04, CW09, ER03, HJ06].

two-grid [JSX06, ?, ?]. **two-phase** [FHL07, ?].

two-ring [HJ06]. **type**

[AMG07, ABFH00, BKPS08, BPV00a,

BDMGVO00, CMT04, Cos03, DGVN02, Ell07,

FL06, Fus08, Gar03, Geo08, GT07, Grü03, GNP08,

Hua04, ?, ?, ?, ?, ?, ?, ?, ?, dICYLR09, AMR04].

Ultraconvergence [?]. **unbounded**

[BDMGVO00, Hal01, HB01, HO09, HSW04b].

uncertainties [BC02a]. **Unconditional**

[GGGS08, ?]. **unconditionally** [?].

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Beltran:2007:PDC

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Bramble:2007:AFP

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Bramble:2008:AFE

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Borwein:2003:MIC

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Bramble:2002:SP

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Beck:2007:NIR

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Bramble:2000:UTA

[BPV00a]

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Bramble:2000:CSS

[BPV00b]

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Botchorishvili:2003:ESS

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Brent:2007:EBC

[BPZ07]

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Bjorn:1998:FGF

[BR98]

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Bermudez:2002:AFE

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Belgacem:2003:HFE

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Bjorn:2005:TEF

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[BR09]

5718-05-01816-8.pdf; <http://www.ams.org/mcom/2005-74-252/S0025-5718-05-01816-8/S0025-5718-05-01816-8.ps>; <http://www.ams.org/mcom/2005-74-252/S0025-5718-05-01816-8/S0025-5718-05-01816-8.tex>. See [BR98, BR11].

Bullejos:2009:PMD

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Bjorn:2011:TEF

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Brauchart:2008:OLE

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Brenner:2002:CMC

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Susanne C. Brenner. Convergence of the multigrid V -cycle algorithm for second-order boundary value problems without full elliptic regularity. *Mathematics of Computation*, 71(238):507–525, April 2002. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL <http://www.ams.org/journal-getitem?pii=S0025-5718-01-01361-8>; <http://www.ams.org/mcom/2002-71-238/S0025-5718-01-01361-8/S0025-5718-01-01361-8.dvi>; <http://www.ams.org/mcom/2002-71-238/S0025-5718-01-01361-8/S0025-5718-01-01361-8.pdf>; <http://www.ams.org/mcom/2002-71-238/S0025-5718-01-01361-8/S0025-5718-01-01361-8.ps>; <http://www.ams.org/mcom/2002-71-238/S0025-5718-01-01361-8/S0025-5718-01-01361-8.tex>.

Brenner:2004:CNC

[Bre04a]

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Brenner:2004:KIP

[Bre04b]

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Breuning:2004:EGE

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Brenner:2005:CTC

[Bre05]

Holger Brenner. Computing the tight closure in dimension two. *Mathematics of Computation*, 74(251):1495–1518, July 2005. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL <http://www.ams.org/mcom/2005-74-251/S0025-5718-05-01730-8/home.html>; [http://www.ams.org/mcom/2005-74-251/S0025-5718-05-01730-8.dvi](http://www.ams.org/mcom/2005-74-251/S0025-5718-05-01730-8/S0025-5718-05-01730-8.dvi); [http://www.ams.org/mcom/2005-74-251/S0025-5718-05-01730-8.pdf](http://www.ams.org/mcom/2005-74-251/S0025-5718-05-01730-8/S0025-5718-05-01730-8.pdf); [http://www.ams.org/mcom/2005-74-251/S0025-5718-05-01730-8.ps](http://www.ams.org/mcom/2005-74-251/S0025-5718-05-01730-8/S0025-5718-05-01730-8.ps); [http://www.ams.org/mcom/2005-74-251/S0025-5718-05-01730-8.tex](http://www.ams.org/mcom/2005-74-251/S0025-5718-05-01730-8/S0025-5718-05-01730-8.tex).

Brin:2001:NTS

[Bri01]

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Brink:2007:PDA

[Bri07]

David Brink. Prime decomposition in the anti-cyclotomic extension. *Mathematics of Computation*, 76(260):2127–2138, October 2007. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL <http://www.ams.org/mcom/2007-76-260/S0025-5718-07-01964-3/home.html>; [http://www.ams.org/mcom/2007-76-260/S0025-5718-07-01964-3.dvi](http://www.ams.org/mcom/2007-76-260/S0025-5718-07-01964-3/S0025-5718-07-01964-3.dvi); [http://www.ams.org/mcom/2007-76-260/S0025-5718-07-01964-3.pdf](http://www.ams.org/mcom/2007-76-260/S0025-5718-07-01964-3/S0025-5718-07-01964-3.pdf); <http://www.ams.org/mcom/2007-76-260/S0025-5718-07-01964-3/S0025-5718-07-01964-3.ps>.

Broberg:2000:SER

[Bro00a]

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Browkin:2000:CTK

[Bro00b]

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Burger:2003:BRC

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Farrell:2009:CSP

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Floater:2000:MPT

[FP00]

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[FP04]

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Feng:2004:AFD

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Fieker:2006:DUN

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Faugeras:2006:ENS

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Friedlander:2001:PPG

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<http://www.ams.org/mcom/2001-70-236/S0025-5718-00-01282-5/S0025-5718-00-01282-5.dvi>; <http://www.ams.org/mcom/2001-70-236/S0025-5718-00-01282-5/S0025-5718-00-01282-5.pdf>; <http://www.ams.org/mcom/2001-70-236/S0025-5718-00-01282-5/S0025-5718-00-01282-5.ps>; <http://www.ams.org/mcom/2001-70-236/S0025-5718-00-01282-5/S0025-5718-00-01282-5.tex>. See corrigendum [FPS02].

Friedlander:2002:CPP

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Freistuhler:2002:NCV

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Flammang:2005:AIW

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Freund:2004:BRM

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Freitas:2005:IPF

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Friesen:2000:CGF

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Flammang:2006:ITD

[FRSÉ06]

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Friedlander:2001:DPG

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Filasetta:2004:TDL

[FS04]

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Ferracina:2005:EAS

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Falk:2000:LFF

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Franchi:2000:FEA

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Fuselier:2008:STA

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Fierro:2003:PEA

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Gao:2003:FMP

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Garcia:2003:FKT

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Grigorov:2009:CVB

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Gopalakrishnan:2003:OSP

[GP03]

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Gopalakrishnan:2006:CVC

[GP06a]

Jayadeep Gopalakrishnan and Joseph E. Pasciak. The convergence of V-cycle multigrid algorithms for axisymmetric Laplace and Maxwell equations. *Mathematics of Computation*, 75(256):1697–1719, October

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Granville:2006:AF

[GP06b]

Andrew Granville and Peter Pleasants. Aurifeuillian factorization. *Mathematics of Computation*, 75(253):497–508, January 2006. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL <http://www.ams.org/mcom/2006-75-253/S0025-5718-05-01766-7/home.html>; <http://www.ams.org/mcom/2006-75-253/S0025-5718-05-01766-7/S0025-5718-05-01766-7.dvi>; <http://www.ams.org/mcom/2006-75-253/S0025-5718-05-01766-7/S0025-5718-05-01766-7.pdf>; [http://www.ams.org/mcom/2006-75-253/S0025-5718-05-01766-7.ps](http://www.ams.org/mcom/2006-75-253/S0025-5718-05-01766-7/S0025-5718-05-01766-7.ps); [http://www.ams.org/mcom/2006-75-253/S0025-5718-05-01766-7.tex](http://www.ams.org/mcom/2006-75-253/S0025-5718-05-01766-7/S0025-5718-05-01766-7.tex).

Gaal:2008:SRF

[GP08a]

István Gaál and Michael Pohst. Solving resultant form equations over number fields. *Mathematics of Computation*, 77(264):2447–2453, October 2008. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL

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Guruswami:2008:CAG

[GP08b]

Venkatesan Guruswami and Anindya C. Patthak. Correlated algebraic-geometric codes: Improved list decoding over bounded alphabets. *Mathematics of Computation*, 77(261):447–473, January 2008. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL <http://www.ams.org/mcom/2008-77-261/S0025-5718-07-02012-1/home.html>; <http://www.ams.org/mcom/2008-77-261/S0025-5718-07-02012-1/S0025-5718-07-02012-1.dvi>; <http://www.ams.org/mcom/2008-77-261/S0025-5718-07-02012-1/S0025-5718-07-02012-1.pdf>; <http://www.ams.org/mcom/2008-77-261/S0025-5718-07-02012-1/S0025-5718-07-02012-1.ps>.

Galbraith:2002:ASC

[GPS02]

S. D. Galbraith, S. M. Paulus, and N. P. Smart. Arithmetic on superelliptic curves. *Mathematics of Computation*, 71(237):393–405, January 2002. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL <http://www.ams.org/journal-getitem?pii=S0025-5718-00-01297-7>; <http://www.ams.org/mcom/2002-71-237/S0025-5718-00-01297-7/S0025-5718-00-01297-7.dvi>; <http://www.ams.org/mcom/2002-71-237/S0025-5718-00-01297-7/S0025-5718-00-01297-7.pdf>;

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Grantham:2001:FP

[Gro04]

[Gra01]

Jon Grantham. Frobenius pseudoprimes. *Mathematics of Computation*, 70(234):873–891, April 2001. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL <http://www.ams.org/journal-getitem?pii=S0025-5718-00-01197-2>; <http://www.ams.org/mcom/2001-70-234/S0025-5718-00-01197-2/S0025-5718-00-01197-2.dvi>; <http://www.ams.org/mcom/2001-70-234/S0025-5718-00-01197-2/S0025-5718-00-01197-2.pdf>; <http://www.ams.org/mcom/2001-70-234/S0025-5718-00-01197-2/S0025-5718-00-01197-2.ps>; [http://www.ams.org/mcom/2001-70-234/S0025-5718-00-01197-2.tex](http://www.ams.org/mcom/2001-70-234/S0025-5718-00-01197-2/S0025-5718-00-01197-2.tex).

Gray:2002:ARE

[Gra02]

Norman Gray. Automatic reduction of elliptic integrals using Carlson’s relations. *Mathematics of Computation*, 71(237):311–318, January 2002. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL <http://www.ams.org/journal-getitem?pii=S0025-5718-01-01333-3>; <http://www.ams.org/mcom/2002-71-237/S0025-5718-01-01333-3/S0025-5718-01-01333-3.dvi>; <http://www.ams.org/mcom/2002-71-237/S0025-5718-01-01333-3/S0025-5718-01-01333-3.pdf>; <http://www.ams.org/mcom/2002-71-237/S0025-5718-01-01333-3/>

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Groenewegen:2004:BCT

Richard P. Groenewegen. Bounds for computing the tame kernel. *Mathematics of Computation*, 73(247):1443–1458, July 2004. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL <http://www.ams.org/mcom/2004-73-247/S0025-5718-03-01592-8/home.html>; <http://www.ams.org/mcom/2004-73-247/S0025-5718-03-01592-8/S0025-5718-03-01592-8.dvi>; <http://www.ams.org/mcom/2004-73-247/S0025-5718-03-01592-8/S0025-5718-03-01592-8.pdf>; <http://www.ams.org/mcom/2004-73-247/S0025-5718-03-01592-8/S0025-5718-03-01592-8.ps>; <http://www.ams.org/mcom/2004-73-247/S0025-5718-03-01592-8/S0025-5718-03-01592-8.tex>.

Greither:2004:BSC

[GRT04]

Cornelius Greither, Xavier-François Roblot, and Brett A. Tangedal. The Brumer–Stark conjecture in some families of extensions of specified degree. *Mathematics of Computation*, 73(245):297–315, January 2004. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL <http://www.ams.org/mcom/2004-73-245/S0025-5718-03-01565-5/home.html>; <http://www.ams.org/mcom/2004-73-245/S0025-5718-03-01565-5/S0025-5718-03-01565-5.dvi>; <http://www.ams.org/mcom/2004-73-245/S0025-5718-03-01565-5/S0025-5718-03-01565-5.pdf>; <http://www.ams.org/mcom/2004-73-245/S0025-5718-03-01565-5/S0025-5718-03-01565-5.tex>.

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Greither:2015:CBS

[GRT15]

Cornelius Greither, Xavier-François Roblot, and Brett A. Tangedal. Corrigendum to “The Brumer–Stark conjecture in some families of extensions of specified degree”. *Mathematics of Computation*, 84(292): 955–957, 2015. CODEN MCM-PAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL <http://www.ams.org/journals/mcom/2015-84-292/S0025-5718-2014-02851-2>; <http://www.ams.org/journals/mcom/2015-84-292/S0025-5718-2014-02851-2.pdf>. See [GRT04].

Grundman:2000:ERC

[Gru00]

H. G. Grundman. Explicit resolutions of cubic cusp singularities. *Mathematics of Computation*, 69(230):815–825, April 2000. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL <http://www.ams.org/journal-getitem?pii=S0025-5718-99-01121-7>; <http://www.ams.org/mcom/2000-69-230/S0025-5718-99-01121-7/S0025-5718-99-01121-7.dvi>; <http://www.ams.org/mcom/2000-69-230/S0025-5718-99-01121-7/S0025-5718-99-01121-7.pdf>; <http://www.ams.org/mcom/2000-69-230/S0025-5718-99-01121-7/S0025-5718-99-01121-7.ps>; <http://www.ams.org/mcom/2000-69-230/>

[Grü03]

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Grun:2003:CEC

Günther Grün. On the convergence of entropy consistent schemes for lubrication type equations in multiple space dimensions. *Mathematics of Computation*, 72(243): 1251–1279, July 2003. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL <http://www.ams.org/journal-getitem?pii=S0025-5718-03-01492-3>; <http://www.ams.org/mcom/2003-72-243/S0025-5718-03-01492-3/S0025-5718-03-01492-3.dvi>; <http://www.ams.org/mcom/2003-72-243/S0025-5718-03-01492-3/S0025-5718-03-01492-3.pdf>; <http://www.ams.org/mcom/2003-72-243/S0025-5718-03-01492-3/S0025-5718-03-01492-3.ps>; <http://www.ams.org/mcom/2003-72-243/S0025-5718-03-01492-3/S0025-5718-03-01492-3.tex>.

Girault:2005:DGM

[GRW05]

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Ganesh:2001:BEM

[GS01]

M. Ganesh and O. Steinbach. Boundary element methods for potential problems with nonlinear boundary conditions. *Mathematics of Computation*, 70(235):1031–1042, July 2001. CODEN MCM-PAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL <http://www.ams.org/journal-getitem?pii=S0025-5718-00-01266-7>; <http://www.ams.org/mcom/2001-70-235/S0025-5718-00-01266-7/S0025-5718-00-01266-7.dvi>; <http://www.ams.org/mcom/2001-70-235/S0025-5718-00-01266-7/S0025-5718-00-01266-7.pdf>; <http://www.ams.org/mcom/2001-70-235/S0025-5718-00-01266-7/S0025-5718-00-01266-7.ps>; <http://www.ams.org/mcom/2001-70-235/S0025-5718-00-01266-7/S0025-5718-00-01266-7.tex>.

Girault:2002:HIN

[GS02]

V. Girault and L. R. Scott. Hermite interpolation of nonsmooth functions preserving boundary conditions. *Mathematics of Computation*, 71(239):1043–1074, July 2002. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL <http://www.ams.org/journal-getitem?pii=S0025-5718-02-01446-1>; <http://www.ams.org/mcom/2002-71-239/S0025-5718-02-01446-1/S0025-5718-02-01446-1.dvi>; <http://www.ams.org/mcom/2002-71-239/S0025-5718-02-01446-1/S0025-5718-02-01446-1.pdf>; <http://www.ams.org/mcom/2002-71-239/S0025-5718-02-01446-1/S0025-5718-02-01446-1.ps>; <http://www.ams.org/mcom/2002-71-239/S0025-5718-02-01446-1/S0025-5718-02-01446-1.tex>.

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Goto:2004:ANW

[GS04a]

T. Goto and S. Shibata. All numbers whose positive divisors have integral harmonic mean up to **300**. *Mathematics of Computation*, 73(245):475–491, January 2004. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL <http://www.ams.org/mcom/2004-73-245/S0025-5718-03-01554-0/home.html>; <http://www.ams.org/mcom/2004-73-245/S0025-5718-03-01554-0/S0025-5718-03-01554-0.dvi>; <http://www.ams.org/mcom/2004-73-245/S0025-5718-03-01554-0/S0025-5718-03-01554-0.pdf>; <http://www.ams.org/mcom/2004-73-245/S0025-5718-03-01554-0/S0025-5718-03-01554-0.ps>; <http://www.ams.org/mcom/2004-73-245/S0025-5718-03-01554-0/S0025-5718-03-01554-0.tex>.

Guermond:2004:EER

[GS04b]

J. L. Guermond and Jie Shen. On the error estimates for the rotational pressure-correction projection methods. *Mathematics of Computation*, 73(248):1719–1737, October 2004. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL <http://www.ams.org/mcom/2004-73-248/S0025-5718-03-01621-1/home.html>; <http://www.ams.org/mcom/2004-73-248/S0025-5718-03-01621-1/S0025-5718-03-01621-1.dvi>; <http://www.ams.org/mcom/2004-73-248/S0025-5718-03-01621-1/S0025-5718-03-01621-1.pdf>; <http://www.ams.org/mcom/2004-73-248/S0025-5718-03-01621-1/S0025-5718-03-01621-1.ps>; <http://www.ams.org/mcom/2004-73-248/S0025-5718-03-01621-1/S0025-5718-03-01621-1.tex>.

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Guessab:2004:CRS

[GS04c]

Allal Guessab and Gerhard Schmeisser. Convexity results and sharp error estimates in approximate multivariate integration. *Mathematics of Computation*, 73(247):1365–1384, July 2004. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL <http://www.ams.org/mcom/2004-73-247/S0025-5718-03-01622-3/home.html>; [http://www.ams.org/mcom/2004-73-247/S0025-5718-03-01622-3.dvi](http://www.ams.org/mcom/2004-73-247/S0025-5718-03-01622-3/S0025-5718-03-01622-3.dvi); [http://www.ams.org/mcom/2004-73-247/S0025-5718-03-01622-3.pdf](http://www.ams.org/mcom/2004-73-247/S0025-5718-03-01622-3/S0025-5718-03-01622-3.pdf); [http://www.ams.org/mcom/2004-73-247/S0025-5718-03-01622-3.ps](http://www.ams.org/mcom/2004-73-247/S0025-5718-03-01622-3/S0025-5718-03-01622-3.ps); [http://www.ams.org/mcom/2004-73-247/S0025-5718-03-01622-3.tex](http://www.ams.org/mcom/2004-73-247/S0025-5718-03-01622-3/S0025-5718-03-01622-3.tex).

Gaudry:2005:MEH

[GS05]

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Gantumur:2006:CDO

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Gatica:2006:PEA

[GS06b]

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Guermond:2008:EAF

[GSY08]

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Huhtanen:2003:OPP

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Hairer:2006:BR5

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