



Author Index Volumes 111–120 (2000)

(For the sake of simplicity and uniformity, all names beginning with articles or prepositions are listed as if written as single words.)

- Abd-el-Malek, M.B.** and **S.M.A. El-Mansi**, Group theoretic methods applied to Burgers' equation 115 (2000) 1– 12
- Abdelkader, Y.H.**, see **Barakat, H.M.** 117 (2000) 85– 90
- Abdellatif, N.**, A mixed stream-function and vorticity formulation for axisymmetric Navier–Stokes equations 117 (2000) 61– 83
- Agarwal, R.P.**, see **Wong, P.J.Y.** 113 (2000) 167–181
- Agarwal, R.P.**, see **Wong, P.J.Y.** 113 (2000) 227–240
- Agarwal, R.P.** and **D. O'Regan**, Existence criteria for operator inclusions in abstract spaces 113 (2000) 183–193
- Agarwal, R.P.** and **D. O'Regan**, Some new results for singular problems with sign changing nonlinearities 113 (2000) 1– 15
- Aguirre Téllez, M.**, The distributional product of Dirac's delta in a hypercone 115 (2000) 13– 21
- Alboul, L.**, **G. Kloosterman**, **C. Traas** and **R. van Damme**, Best data-dependent triangulations 119 (2000) 1– 12
- Alfeld, P.**, Bivariate spline spaces and minimal determining sets 119 (2000) 13– 27
- Alonso, A.**, **A. Dello Russo** and **V. Vampa**, A posteriori error estimates in finite element acoustic analysis 117 (2000) 105–119
- Alves, C.J.S.**, Numerical simulations on resonance poles — the trapping case of two plane cracks 111 (1999) 267–279
- Amini, S.** and **A. Profit**, Analysis of the truncation errors in the fast multipole method for scattering problems 115 (2000) 23– 33
- Andres, J.** and **B. Krajc**, Bounded solutions in a given set of differential systems 113 (2000) 73– 82
- Androulakis, G.S.**, see **Vrahatis, M.N.** 114 (2000) 367–386
- Angelini, C.** and **D. De Canditiis**, Fourier frequency adaptive regularization for smoothing data 115 (2000) 35– 50
- Anwar, M.N.**, see **Sallam, S.** 115 (2000) 495–502
- Area, I.**, **E. Godoy**, **F. Marcellán** and **J.J. Moreno-Balcázar**, Inner products involving q -differences: the little q -Laguerre–Sobolev polynomials 118 (2000) 1– 22

- Area, I., E. Godoy, F. Marcellán and J.J. Moreno-Balcázar**, Ratio and Plancherel–Rotach asymptotics for Meixner–Sobolev orthogonal polynomials **116** (2000) 63– 75
- Avalos, G.**, Pointwise pressure observations of a canonical structural acoustics model **114** (2000) 121–135
- Avdonin, S.A., N.G. Medhin and T.L. Sheronova**, Identification of a piecewise constant coefficient in the beam equation **114** (2000) 11– 21
- Azizi, M., E.M. Daoudi, R. El Hani and A. Lakhouaja**, Parallel electromagnetic modelling for the nonlinear electrotechnic systems **115** (2000) 51– 61
- Baía, M.**, see **Sequeira, A.** **111** (1999) 281–295
- Balint, Ş.**, see **Iordan, V.** **111** (1999) 297–303
- Banaś, J., J.R. Rodriguez and K. Sadarangani**, On a class of Urysohn–Stieltjes quadratic integral equations and their applications **113** (2000) 35– 50
- Barakat, H.M. and Y.H. Abdelkader**, Computing the moments of order statistics from nonidentically distributed Weibull variables **117** (2000) 85– 90
- Barral, P. and P. Quintela**, Numerical analysis of a viscoplastic problem with contact condition taking place in an aluminium casting **115** (2000) 63– 86
- Barrio, R.**, Characterization of low degree A -stable symmetric RK collocation methods **111** (1999) 1– 11
- Bartels, R.H. and F.F. Samavati**, Reversing subdivision rules: local linear conditions and observations on inner products **119** (2000) 29– 67
- Batens, N. and R. Van Keer**, A numerical method for a free boundary value problem arising from chemical kinetics **111** (1999) 187–199
- Bauer, I., H.G. Bock, S. Körkel and J.P. Schlöder**, Numerical methods for optimum experimental design in DAE systems **120** (2000) 1– 25
- Bavinck, H.**, A note on the Koekoeks’ differential equation for generalized Jacobi polynomials **115** (2000) 87– 92
- Bavinck, H.**, Differential operators having Sobolev-type Gegenbauer polynomials as eigenfunctions **118** (2000) 23– 42
- Bavinck, H. and H.A. Dieterman**, Closed-form dynamic response of damped mass–spring cascades **114** (2000) 291–303
- Baxley, J.V. and J.C. Martin**, Positive solutions of singular nonlinear boundary value problems **113** (2000) 381–399
- Belforte, G., P. Gay and G. Monegato**, Some new properties of Chebyshev polynomials (*Letter to the Editor*) **117** (2000) 175–181
- Ben-El-Mechaiekh, H.**, Spaces and maps approximation and fixed points **113** (2000) 283–308
- Berezansky, L. and E. Braverman**, On oscillation of a logistic equation with several delays **113** (2000) 255–265
- Berger, A.**, Rigorous error bounds for RK methods in the proof of chaotic behaviour **111** (1999) 13– 24
- Berselli, L.C. and F. Saleri**, New substructuring domain decomposition methods for advection–diffusion equations **116** (2000) 201–220

Betts, J.T. , Very low-thrust trajectory optimization using a direct SQP method	120	(2000)	27– 40
Bialecki, B. and P. Keast , A sinc quadrature subroutine for Cauchy principal value integrals	112	(1999)	3– 20
Biegler, L.T. , see Cervantes, A.M.	120	(2000)	41– 57
Biehn, N. , S.L. Campbell , L. Jay and T. Westbrook , Some comments on DAE theory for IRK methods and trajectory optimization	120	(2000)	109–131
Bock, H.G. , see Bauer, I.	120	(2000)	1– 25
Braconnier, T. , see Jay, L.O.	111	(1999)	63– 76
Braverman, E. , see Berezansky, L.	113	(2000)	255–265
Brown, B.M. , M.S.P. Eastham and D.K.R. McCormack , Resonances and analytic continuation for exponentially decaying Sturm–Liouville potentials	116	(2000)	181–193
Brugnano, L. , Blended block BVMS (B_3 VMs): A family of economical implicit methods for ODES	116	(2000)	41– 62
Bühring, W. , Second-order linear differential equations with two irregular singular points of rank three: the characteristic exponent	118	(2000)	43– 69
Büskens, C. and H. Maurer , SQP-methods for solving optimal control problems with control and state constraints: adjoint variables, sensitivity analysis and real-time control	120	(2000)	85–108
Cabada, A. and J.J. Nieto , Fixed points and approximate solutions for nonlinear operator equations	113	(2000)	17– 25
Cabral-Rosetti, L.G. and M.A. Sanchis-Lozano , Generalized hypergeometric functions and the evaluation of scalar one-loop integrals in Feynman diagrams	115	(2000)	93– 99
Cahlon, B. and D. Schmidt , On stability of systems of delay differential equations	117	(2000)	137–158
Callebaut, D.K. , see Khater, A.H.	115	(2000)	309–329
Calvetti, D. , L. Reichel , F. Sgallari and G. Spaletta , A regularizing Lanczos iteration method for underdetermined linear systems	115	(2000)	101–120
Calvo, M. , J.I. Montijano and S. Gonzalez-Pinto , On the existence of solution of stage equations in implicit Runge–Kutta methods	111	(1999)	25– 36
Calvo, M. , M.P. Laburta , J.I. Montijano and L. Rández , On the numerical integration of orthogonal flows with Runge–Kutta methods	115	(2000)	121–135
Campbell, S.L. , see Biehn, N.	120	(2000)	109–131
Carlson, B.C. and J. FitzSimons , Reduction theorems for elliptic integrands with the square root of two quadratic factors	118	(2000)	71– 85
Carmo Coimbra, M. , C. Sereno and A. Rodrigues , Modelling multi-component adsorption process by a moving finite element method	115	(2000)	169–179
Carnicer, J.M. and M. Gasca , Bivariate Hermite–Birkhoff polynomial interpolation with asymptotic conditions	119	(2000)	69– 79
Carpentier, M.P. , see Lima, P.M.	111	(1999)	173–186

- Caşu, I.**, see **Puta, M.** 111 (1999) 147–152
- Cawood, M.E., V.J. Ervin, W.J. Layton and J.M. Maubach**, Adaptive defect correction methods for convection dominated, convection diffusion problems 116 (2000) 1– 21
- Cervantes, A.M. and L.T. Biegler**, A stable elemental decomposition for dynamic process optimization 120 (2000) 41– 57
- Chakrabarti, A. and Hamsapriye**, On some general hybrid transforms 116 (2000) 157–165
- Chan, C.Y. and J. Yang**, Complete blow-up for degenerate semilinear parabolic equations 113 (2000) 353–364
- Chawla, S. and S.M. Lenhart**, Application of optimal control theory to bioremediation 114 (2000) 81–102
- Chen, M.-P. and K.-K. Tan**, A noncompact generalized quasi-variational inequality 113 (2000) 309–315
- Choi, J. and H.M. Srivastava**, Certain classes of series associated with the Zeta function and multiple gamma functions 118 (2000) 87–109
- Colton, D. and L. Päivärinta**, Transmission eigenvalues and a problem of Hans Lewy 117 (2000) 91–104
- Conti, C. and K. Jetter**, A new subdivision method for bivariate splines on the four-directional mesh 119 (2000) 81– 96
- Cools, R.**, Monomial cubature rules since “Stroud”: a compilation — part 2 112 (1999) 21– 27
- Cuevas, C. and M. Pinto**, Asymptotic behavior in Volterra difference systems with unbounded delay 113 (2000) 217–225
- Dæhlen, M., T. Lyche, K. Mørken, R. Schneider and H.-P. Seidel**, Multiresolution analysis over triangles, based on quadratic Hermite interpolation 119 (2000) 97–114
- Dai, W., Y. Zhang and R. Nassar**, A hybrid finite element-alternating direction implicit method for solving parabolic differential equations on multilayers with irregular geometry 117 (2000) 1– 16
- Daoudi, E.M.**, see **Azizi, M.** 115 (2000) 51– 61
- Dattoli, G.**, Generalized polynomials, operational identities and their applications 118 (2000) 111–123
- Davydov, O., M. Sommer and H. Strauss**, Interpolation by bivariate linear splines 119 (2000) 115–131
- De Canditiis, D.**, see **Angelini, C.** 115 (2000) 35– 50
- De Coster, C. and P. Habets**, Existence and multiplicity of positive solutions of the Gin zburg–Landau boundary value problem 113 (2000) 317–327
- de Doncker, E., A. Gupta and R.R. Zanny**, Large-scale parallel numerical integration 112 (1999) 29– 44
- de Frutos, J. and J. Novo**, An enhanced pseudospectral Chebyshev method for dissipative partial differential equations 115 (2000) 137–150
- De Meyer, H.**, see **Van Daele, M.** 111 (1999) 37– 47
- de Oliveira, P.**, see **Santos, J.** 111 (1999) 239–251

De Schepper, H. and R. Van Keer , A finite element method for elliptic eigenvalue problems in a multi-component domain in 2D with non-local Dirichlet transition conditions	111	(1999)	253–265
De Schepper, H. and R. Van Keer , On the numerical approximation of some types of nonstandard second-order eigenvalue problems for vector valued functions	115	(2000)	151–167
Dehesa, J.S. , see Sánchez-Ruiz, J.	118	(2000)	311–322
Del Buono, N. and L. Lopez , Numerical methods for Hermitian unitary differential systems	111	(1999)	133–145
Dello Russo, A. , see Alonso, A.	117	(2000)	105–119
Delves, L.M. , see Lyness, J.N.	112	(1999)	189–200
Demetriou, M.A. , see Fahroo, F.	114	(2000)	137–158
Dieterman, H.A. , see Bavinck, H.	114	(2000)	291–303
Diethelm, K. , A method for the practical evaluation of the Hilbert transform on the real line	112	(1999)	45– 53
Ding, X.P. and C.L. Luo , Perturbed proximal point algorithms for general quasi-variational-like inclusions	113	(2000)	153–165
Djidjeli, K. , see Duan, Q.	117	(2000)	121–135
Dreyer, T., B. Maar and V. Schulz , Multigrid optimization in applications	120	(2000)	67– 84
Duan, Q., K. Djidjeli, W.G. Price and E.H. Twizell , Weighted rational cubic spline interpolation and its application	117	(2000)	121–135
Dyn, N. and E. Farkhi , Spline subdivision schemes for convex compact sets	119	(2000)	133–144
Eastham, M.S.P. , see Brown, B.M.	116	(2000)	181–193
Egartner, W. , Working range optimization for turbine and compressor blading	120	(2000)	59– 65
El Hani, R. , see Azizi, M.	115	(2000)	51– 61
El-Mansi, S.M.A. , see Abd-el-Malek, M.B.	115	(2000)	1– 12
Elizalde, E. , Zeta functions: formulas and applications	118	(2000)	125–142
Erbe, L., A. Peterson and R. Mathsen , Existence, multiplicity, and nonexistence of positive solutions to a differential equation on a measure chain	113	(2000)	365–380
Ervin, V.J. , see Cawood, M.E.	116	(2000)	1– 21
Espelid, T.O. , see Singstad, K.	112	(1999)	291–308
Evans, G.A. and J.R. Webster , A comparison of some methods for the evaluation of highly oscillatory integrals	112	(1999)	55– 69
Ezquerro, J.A., M.A. Hernández and M.A. Salanova , A discretization scheme for some conservative problems	115	(2000)	181–192
Ezquerro, J.A. , see Hernández, M.A.	115	(2000)	245–254
Ezquerro, J.A. and M.A. Hernández , A modification of the super-Halley method under mild differentiability conditions	114	(2000)	405–409

- Fabiano, R.H.**, Coercive forms associated with elastic systems with damping **114** (2000) 159–171
- Fahroo, F.** and **M.A. Demetriou**, Optimal actuator/sensor location for active noise regulator and tracking control problems **114** (2000) 137–158
- Farkhi, E.**, see **Dyn, N.** **119** (2000) 133–144
- Farouki, R.T.**, Legendre–Bernstein basis transformations **119** (2000) 145–160
- Farto, J.M.**, see **López, D.J.** **111** (1999) 123–132
- Fasshauer, G.E.**, **E.C. Gartland Jr** and **J.W. Jerome**, Algorithms defined by Nash iteration: some implementations via multilevel collocation and smoothing **119** (2000) 161–183
- FitzSimons, J.**, see **Carlson, B.C.** **118** (2000) 71– 85
- Floater, M.S.**, **E.G. Quak** and **M. Reimers**, Filter bank algorithms for piecewise linear prewavelets on arbitrary triangulations **119** (2000) 185–207
- Ford, N.J.**, see **Wulf, V.** **115** (2000) 601–616
- Ford, N.J.** and **V. Wulf**, The use of boundary locus plots in the identification of bifurcation points in numerical approximation of delay differential equations **111** (1999) 153–162
- Furi, M.**, **M.P. Pera** and **M. Spadini**, Forced oscillations on manifolds and multiplicity results for periodically perturbed autonomous systems **113** (2000) 241–254
- Galperin, E.A.**, **E.J. Kansa**, **A. Makroglou** and **S.A. Nelson**, Variable transformations in the numerical solution of second kind Volterra integral equations with continuous and weakly singular kernels; extensions to Fredholm integral equations **115** (2000) 193–211
- Galué, L.**, **H.G. Khajah** and **S.L. Kalla**, Multiplication theorems for generalized and double-index Bessel functions **118** (2000) 143–150
- Gao, Y.-m.**, see **Kohno, T.** **115** (2000) 349–355
- García-Celayeta, B.**, see **Higueras, I.** **111** (1999) 49– 61
- García-Huidobro, M.**, **R. Manásevich** and **C.S. Yarur**, Existence of positive singular solutions for a class of quasilinear elliptic equations **113** (2000) 329–351
- Gartland Jr, E.C.**, see **Fasshauer, G.E.** **119** (2000) 161–183
- Gasca, M.**, see **Carnicer, J.M.** **119** (2000) 69– 79
- Gay, P.**, see **Belforte, G.** **117** (2000) 175–181
- Genz, A.** and **J. Monahan**, A stochastic algorithm for high-dimensional integrals over unbounded regions with Gaussian weight **112** (1999) 71– 81
- Gerlach, J.**, see **Kalantari, B.** **116** (2000) 195–200
- Gheri, G.** and **P. Marzulli**, Parallel shooting with error estimate for increasing the accuracy **115** (2000) 213–227
- Gill, P.E.**, **L.O. Jay**, **M.W. Leonard**, **L.R. Petzold** and **V. Sharma**, An SQP method for the optimal control of large-scale dynamical systems **120** (2000) 197–213

Glaeske, H.-J., A.A. Kilbas and M. Saigo , A modified Bessel-type integral transform and its compositions with fractional calculus operators on spaces $F_{p,\mu}$ and $F'_{p,\mu}$	118	(2000)	151–168
Glasser, M.L. , Hypergeometric functions and the trinomial equation	118	(2000)	169–173
Godoy, E. , see Area, I.	116	(2000)	63– 75
Godoy, E. , see Area, I.	118	(2000)	1– 22
Golitschek, M.v. , Norms of projectors onto spaces with Riesz bases	119	(2000)	209–221
Gonzalez-Pinto, S. , see Calvo, M.	111	(1999)	25– 36
Goodman, T.N.T. and S.L. Lee , Nonuniform cascade algorithms	119	(2000)	223–234
Gorenflo, R., Y. Luchko and F. Mainardi , Wright functions as scale-invariant solutions of the diffusion-wave equation	118	(2000)	175–191
Gorenflo, R. , see Mainardi, F.	118	(2000)	283–299
Griener, B. and H.J. Schmid , An interactive tool to visualize common zeros of two-dimensional polynomials	112	(1999)	83– 94
Gugat, M. , A Newton method for the computation of time-optimal boundary controls of one-dimensional vibrating systems	114	(2000)	103–119
Gupta, A. , see de Doncker, E.	112	(1999)	29– 44
Habets, P. , see De Coster, C.	113	(2000)	317–327
Hähner, P. , On the uniqueness of the shape of a penetrable, anisotropic obstacle	116	(2000)	167–180
Hairer, E. and G. Wanner , Stiff differential equations solved by Radau methods	111	(1999)	93–111
Halidias, N. and N.S. Papageorgiou , Existence of solutions for quasilinear second order differential inclusions with nonlinear boundary conditions	113	(2000)	51– 64
Hall, G. , see Usman, A.	116	(2000)	105–120
Hall, G. and A. Usman , Modified order and stepsize strategies in Adams codes	111	(1999)	113–122
Hamina, M. , An approximation method for the hypersingular heat operator equation	115	(2000)	229–243
Hamsapriye , see Chakrabarti, A.	116	(2000)	157–165
Heo, S. and Y. Xu , Constructing cubature formulae for spheres and balls	112	(1999)	95–119
Hernández, M.A., M.J. Rubio and J.A. Ezquerro , Secant-like methods for solving nonlinear integral equations of the Hammerstein type	115	(2000)	245–254
Hernández, M.A. , see Ezquerro, J.A.	114	(2000)	405–409
Hernández, M.A. , see Ezquerro, J.A.	115	(2000)	181–192
Higueras, I. , see Roldán, T.	111	(1999)	77– 92
Higueras, I. and B. García-Celayeta , Runge–Kutta methods for DAEs. A new approach	111	(1999)	49– 61
Hill, M. and I. Robinson , d2lri: A nonadaptive algorithm for two-dimensional cubature	112	(1999)	121–145

- Hoschek, J.** and **R. Müller**, Turbine blade design by lofted B-spline surfaces **119** (2000) 235–248
- Hounga, C.**, see **Houkonnou, M.N.** **114** (2000) 361–366
- Houkonnou, M.N.**, **C. Hounga** and **A. Ronveaux**, Discrete semi-classical orthogonal polynomials: generalized Charlier **114** (2000) 361–366
- Huard, A.** and **V. Robin**, Continuity of approximation by least-squares multivariate Padé approximants **115** (2000) 255–268
- Hureau, J.**, see **Weber, R.** **115** (2000) 577–591
- Ibrahim, R.S.**, see **Khater, A.H.** **115** (2000) 309–329
- Jordan, V.** and **Ş. Balint**, Numerical capturing of some hydrodynamical shocks **111** (1999) 297–303
- Ismail Ali** and **Vu Kim Tuan**, Application of basic hypergeometric series to stable analytic continuation **118** (2000) 193–202
- Ismail, A.I.**, Periodic solutions of equations of motion of a heavy solid applying Krylov–Bogoliubov–Mitropolski method **114** (2000) 345–359
- Jay, L.**, see **Biehn, N.** **120** (2000) 109–131
- Jay, L.O.**, see **Gill, P.E.** **120** (2000) 197–213
- Jay, L.O.** and **T. Braconnier**, A parallelizable preconditioner for the iterative solution of implicit Runge–Kutta-type methods **111** (1999) 63–76
- Jeon, Y.**, Scalar boundary integral equation formulas for the biharmonic equation — numerical experiments **115** (2000) 269–282
- Jerome, J.W.**, see **Fasshauer, G.E.** **119** (2000) 161–183
- Jetter, K.**, see **Conti, C.** **119** (2000) 81–96
- Jiang, D.** and **J. Wang**, On boundary value problems for singular second-order functional differential equations **116** (2000) 231–241
- Johnson, R.**, **M. Kamenskii** and **P. Nistri**, Bifurcation and multiplicity results for periodic solutions of a damped wave equation in a thin domain **113** (2000) 123–139
- Jou, J.** and **J.-L. Liu**, An a posteriori finite element error analysis for the Stokes equations **114** (2000) 333–343
- Junghanns, P.** and **K. Müller**, A collocation method for nonlinear Cauchy singular integral equations **115** (2000) 283–300
- Kalantari, B.** and **J. Gerlach**, Newton’s method and generation of a determinantal family of iteration functions (*Letter to the Editor*) **116** (2000) 195–200
- Kalla, S.L.**, see **Galué, L.** **118** (2000) 143–150
- Kamenskii, M.**, see **Johnson, R.** **113** (2000) 123–139
- Kanantjai, A.**, On the convolution equation related to the N -dimensional ultra-hyperbolic operator **115** (2000) 301–308
- Kansa, E.J.**, see **Galperin, E.A.** **115** (2000) 193–211
- Karlsson, P.W.**, Inductance and hypergeometric functions. II **118** (2000) 215–222
- Karlsson, P.W.**, Some formulae for double Clausenian functions **118** (2000) 203–213

Kassara, K. , Feedback spreading controls for semilinear parabolic systems	114	(2000)	41– 54
Keast, P. , see Bialecki, B.	112	(1999)	3– 20
Khajah, H.G. , see Galué, L.	118	(2000)	143–150
Khater, A.H. , A.B. Shamardan , D.K. Callebaut and R.S. Ibrahim , Chebyshev spectral collocation methods for nonlinear isothermal magnetostatic atmospheres	115	(2000)	309–329
Kilbas, A.A. , see Glaeske, H.-J.	118	(2000)	151–168
Kilbas, A.A. and J.J. Trujillo , Computation of fractional integrals via functions of hypergeometric and Bessel type	118	(2000)	223–239
Kirk, W.A. and L.M. Saliga , Some results on existence and approximation in metric fixed point theory	113	(2000)	141–152
Kiryakova, V.S. , Multiple (multiindex) Mittag–Leffler functions and relations to generalized fractional calculus	118	(2000)	241–259
Kloosterman, G. , see Alboul, L.	119	(2000)	1– 12
Kobza, J. , Iterative functional equation $x(x(t)) = f(t)$ with $f(t)$ piecewise linear	115	(2000)	331–347
Kohno, T. , H. Niki , H. Sawami and Y.-m. Gao , An iterative test for H -matrix	115	(2000)	349–355
Körkel, S. , see Bauer, I.	120	(2000)	1– 25
Kostreva, M.M. and A.L. Ward , Optimal control of a system governed by an elliptic partial differential equation	114	(2000)	173–187
Kouibia, A. and M. Pasadas , Approximation by discrete variational splines	116	(2000)	145–156
Kozubowski, T.J. , Computer simulation of geometric stable distributions	116	(2000)	221–229
Krajc, B. , see Andres, J.	113	(2000)	73– 82
Kwon, K.H. and G.J. Yoon , Generalized Hahn’s theorem	116	(2000)	243–262
Kzaz, M. , Asymptotic expansion of Fourier coefficients associated to functions with low continuity	114	(2000)	217–230
Laburta, M.P. , see Calvo, M.	115	(2000)	121–135
Lai, M.-J. , Convex preserving scattered data interpolation using bivariate C^1 cubic splines	119	(2000)	249–258
Lakhouaja, A. , see Azizi, M.	115	(2000)	51– 61
Lakshmikantham, V. and A.S. Vatsala , Existence of fixed points of fuzzy mappings via theory of fuzzy differential equations	113	(2000)	195–200
Lambrinos, J.N. , see Vrahatis, M.N.	114	(2000)	367–386
Langtry, T.N. , Lattice rules of minimal and maximal rank with good figures of merit	112	(1999)	147–164
Lanser, D. and J.G. Verwer , Analysis of operator splitting for advection–diffusion–reaction problems from air pollution modelling	111	(1999)	201–216
Laurie, D.P. , Accurate recovery of recursion coefficients from Gaussian quadrature formulas	112	(1999)	165–180

- Laurita, C.**, Condition numbers for singular integral equations in weighted L^2 spaces **116** (2000) 23– 40
- Layton, W.J.**, see **Cawood, M.E.** **116** (2000) 1– 21
- Lee, S.L.**, see **Goodman, T.N.T.** **119** (2000) 223–234
- Lenhart, S.M.**, see **Chawla, S.** **114** (2000) 81–102
- Leonard, M.W.**, see **Gill, P.E.** **120** (2000) 197–213
- Leugering, G.**, On the semi-discretization of optimal control problems for networks of elastic strings: global optimality systems and domain decomposition **120** (2000) 133–157
- Levin, D.**, Stable integration rules with scattered integration points **112** (1999) 181–187
- Lima, P.M.** and **M.P. Carpentier**, Iterative methods for a singular boundary-value problem **111** (1999) 173–186
- Liu, J.-L.**, see **Jou, J.** **114** (2000) 333–343
- Liu, K.** and **Z. Liu**, Boundary stabilization of a nonhomogeneous beam with rotatory inertia at the tip **114** (2000) 1– 10
- Liu, W.** and **N. Yan**, A posteriori error estimates for some model boundary control problems **120** (2000) 159–173
- Liu, Z.**, see **Liu, K.** **114** (2000) 1– 10
- López, D.J.**, **P. Martín** and **J.M. Farto**, Generalization of the Störmer method for perturbed oscillators without explicit first derivatives **111** (1999) 123–132
- Lopez, L.**, **C. Mastroserio** and **T. Politi**, Newton-type methods for solving nonlinear equations on quadratic matrix groups **115** (2000) 357–368
- Lopez, L.**, see **Del Buono, N.** **111** (1999) 133–145
- López de Silanes, M.C.**, **M. Pasadas** and **J.J. Torrens**, Construction of curves with parallelism conditions **115** (2000) 369–382
- Lorente-Pardo, J.**, **P. Sablonnière** and **M.C. Serrano-Pérez**, On the convexity of Bézier nets of quadratic Powell–Sabin splines on 12-fold refined triangulations **115** (2000) 383–396
- Lötstedt, P.**, Convergence analysis of iterative methods by pseudodifference operators **115** (2000) 397–417
- Love, E.R.**, Another Fourier-style expansion in series of Legendre functions **118** (2000) 261–282
- Luchko, Y.**, see **Gorenflo, R.** **118** (2000) 175–191
- Lui, S.H.**, Domain decomposition methods for eigenvalue problems **117** (2000) 17– 34
- Luo, C.L.**, see **Ding, X.P.** **113** (2000) 153–165
- Lyche, T.**, see **Dæhlen, M.** **119** (2000) 97–114
- Lyche, T.** and **K. Scherer**, On the p -norm condition number of the multivariate triangular Bernstein basis **119** (2000) 259–273
- Lyness, J.N.** and **L.M. Delves**, On the implementation of a modified Sag–Szekeress quadrature method **112** (1999) 189–200
- Maar, B.**, see **Dreyer, T.** **120** (2000) 67– 84
- Magoulas, G.D.**, see **Vrahatis, M.N.** **114** (2000) 367–386
- Mainardi, F.**, see **Gorenflo, R.** **118** (2000) 175–191

Mainardi, F. and R. Gorenflo , On Mittag-Leffler-type functions in fractional evolution processes	118	(2000)	283–299
Makroglou, A. , see Galperin, E.A.	115	(2000)	193–211
Manásevich, R. , see García-Huidobro, M.	113	(2000)	329–351
Manni, C. , A general parametric framework for functional tension schemes	119	(2000)	275–300
Mantica, G. , On computing Jacobi matrices associated with recurrent and Möbius iterated function systems	115	(2000)	419–431
Marcellán, F. , see Area, I.	116	(2000)	63– 75
Marcellán, F. , see Area, I.	118	(2000)	1– 22
Marchand, R. , Uniform boundary stabilization of nonlinear spherical shells by using two controls only: analysis and numerical computations	114	(2000)	189–216
Martín, P. , see López, D.J.	111	(1999)	123–132
Martínez, A. , C. Rodríguez and M.E. Vázquez-Méndez , A control problem arising in the process of waste water purification	114	(2000)	67– 79
Martin, J.C. , see Baxley, J.V.	113	(2000)	381–399
Maryška, J. , M. Rozložník and M. Tůma , Schur complement reduction in the mixed-hybrid approximation of Darcy’s law: rounding error analysis	117	(2000)	159–173
Marzulli, P. , see Gheri, G.	115	(2000)	213–227
Maset, S. , Asymptotic stability in the numerical solution of linear pure delay differential equations as abstract Cauchy problems	111	(1999)	163–172
Mastronardi, N. and D. Occorsio , The numerical computation of some integrals on the real line	115	(2000)	433–450
Mastroserio, C. , see Lopez, L.	115	(2000)	357–368
Mathsen, R. , see Erbe, L.	113	(2000)	365–380
Matsunaga, N. and T. Yamamoto , Superconvergence of the Shor-ley–Weller approximation for Dirichlet problems	116	(2000)	263–273
Maubach, J.M. , see Cawood, M.E.	116	(2000)	1– 21
Maurer, H. , see Büskens, C.	120	(2000)	85–108
Maurer, H. , see Mittelmann, H.D.	120	(2000)	175–195
McCarthy, C.M. , The optimal design of tubular structures	114	(2000)	55– 66
McCormack, D.K.R. , see Brown, B.M.	116	(2000)	181–193
Medhin, N.G. , see Avdonin, S.A.	114	(2000)	11– 21
Messina, E. , see van der Houwen, P.J.	115	(2000)	547–564
Micchelli, C.A. and P. Olsen , Penalized maximum-likelihood estimation, the Baum–Welch algorithm, diagonal balancing of symmetric matrices and applications to training acoustic data	119	(2000)	301–331
Miller, A.R. , On the critical case of the Weber–Schafheitlin integral and a certain generalization	118	(2000)	301–309
Mittelmann, H.D. and H. Maurer , Solving elliptic control problems with interior point and SQP methods: control and state constraints	120	(2000)	175–195

- Mohanty, R.K.**, A fourth-order finite difference method for the general one-dimensional nonlinear biharmonic problems of first kind **114** (2000) 275–290
- Monahan, J.**, see **Genz, A.** **112** (1999) 71–81
- Monegato, G.**, see **Belforte, G.** **117** (2000) 175–181
- Monegato, G.** and **L. Scuderi**, Numerical integration of functions with boundary singularities **112** (1999) 201–214
- Montijano, J.I.**, see **Calvo, M.** **111** (1999) 25–36
- Montijano, J.I.**, see **Calvo, M.** **115** (2000) 121–135
- Moreno-Balcázar, J.J.**, see **Area, I.** **116** (2000) 63–75
- Moreno-Balcázar, J.J.**, see **Area, I.** **118** (2000) 1–22
- Mori, M.**, see **Ooura, T.** **112** (1999) 229–241
- Mørken, K.**, see **Dæhlen, M.** **119** (2000) 97–114
- Mulansky, B.** and **M. Neamtu**, Interpolation and approximation from convex sets. II. Infinite-dimensional interpolation **119** (2000) 333–346
- Müller, K.**, see **Junghanns, P.** **115** (2000) 283–300
- Müller, R.**, see **Hoschek, J.** **119** (2000) 235–248
- Nassar, R.**, see **Dai, W.** **117** (2000) 1–16
- Neamtu, M.**, see **Mulansky, B.** **119** (2000) 333–346
- Nelson, S.A.**, see **Galperin, E.A.** **115** (2000) 193–211
- Nieto, J.J.**, see **Cabada, A.** **113** (2000) 17–25
- Niki, H.**, see **Kohno, T.** **115** (2000) 349–355
- Nistri, P.**, see **Johnson, R.** **113** (2000) 123–139
- Novak, E.**, **K. Ritter**, **R. Schmitt** and **A. Steinbauer**, On an interpolatory method for high dimensional integration **112** (1999) 215–228
- Novo, J.**, see **de Frutos, J.** **115** (2000) 137–150
- Nürnbergger, G.** and **F. Zeilfelder**, Interpolation by spline spaces on classes of triangulations **119** (2000) 347–376
- Occorsio, D.**, see **Mastronardi, N.** **115** (2000) 433–450
- Olsen, P.**, see **Micchelli, C.A.** **119** (2000) 301–331
- Ooura, T.** and **M. Mori**, A robust double exponential formula for Fourier-type integrals **112** (1999) 229–241
- O’Regan, D.**, see **Agarwal, R.P.** **113** (2000) 1–15
- O’Regan, D.**, see **Agarwal, R.P.** **113** (2000) 183–193
- Päivärinta, L.**, see **Colton, D.** **117** (2000) 91–104
- Papageorgiou, N.S.**, see **Halidias, N.** **113** (2000) 51–64
- Pardo, J.A.**, see **Pardo, M.C.** **116** (2000) 93–104
- Pardo, M.C.** and **J.A. Pardo**, Use of Renyi’s divergence to test for the equality of the coefficients of variation **116** (2000) 93–104
- Park, S.**, Acyclic versions of the von Neumann and Nash equilibrium theorems **113** (2000) 83–91

Parks, H.R. and J.T. Pitts , Energy estimates for area minimizing hypersurfaces with arbitrary boundaries	115	(2000)	451–460
Pasadas, M. , see Kouibia, A.	116	(2000)	145–156
Pasadas, M. , see López de Silanes, M.C.	115	(2000)	369–382
Patterson, T.N.L. , Stratified nested and related quadrature rules	112	(1999)	243–251
Peña, J.M. , On the foundation of bases of spline spaces	119	(2000)	377–390
Penski, C. , A new numerical method for SDEs and its application in circuit simulation	115	(2000)	461–470
Penzel, F. , A boundary integral method applied to a convection–diffusion problem	111	(1999)	217–226
Pera, M.P. , see Furi, M.	113	(2000)	241–254
Peterson, A. , see Erbe, L.	113	(2000)	365–380
Petras, K. , On the computation of the Gauss–Legendre quadrature formula with a given precision	112	(1999)	253–267
Petzold, L.R. , see Gill, P.E.	120	(2000)	197–213
Pinto, M. , see Cuevas, C.	113	(2000)	217–225
Pitts, J.T. , see Parks, H.R.	115	(2000)	451–460
Politi, T. , see Lopez, L.	115	(2000)	357–368
Potthast, R. , Stability estimates and reconstructions in inverse acoustic scattering using singular sources	114	(2000)	247–274
Prástaro, A. and T.M. Rassias , A geometric approach of the generalized d’Alembert equation	113	(2000)	93–122
Precup, R. , Discrete continuation method for boundary value problems on bounded sets in Banach spaces	113	(2000)	267–281
Price, W.G. , see Duan, Q.	117	(2000)	121–135
Profit, A. , see Amini, S.	115	(2000)	23– 33
Puta, M., I. Caşu and A. Voitecovici , Constant Poisson structures and the weighted Euler integrator	111	(1999)	147–152
Qiu, Y., D.M. Sloan and T. Tang , Numerical solution of a singularly perturbed two-point boundary value problem using equidistribution: analysis of convergence	116	(2000)	121–143
Quak, E.G. , see Floater, M.S.	119	(2000)	185–207
Quintela, P. , see Barral, P.	115	(2000)	63– 86
Rachůnková, I. , Existence of two positive solutions of a singular nonlinear periodic boundary value problem	113	(2000)	27– 34
Radoux, C. , Addition formulas for polynomials built on classical combinatorial sequences	115	(2000)	471–477
Rández, L. , see Calvo, M.	115	(2000)	121–135
Rassias, T.M. , see Prástaro, A.	113	(2000)	93–122
Reichel, L. , see Calvetti, D.	115	(2000)	101–120
Reimers, M. , see Floater, M.S.	119	(2000)	185–207

- Remiche, M.-A.**, On the exact distribution of the Isotropic Planar Point Processes of phase type **116** (2000) 77– 91
- Riaza, R.** and **P.J. Zufiria**, Adaptive cellular integration of linearly implicit differential equations **111** (1999) 305–317
- Ricceri, B.**, A general variational principle and some of its applications **113** (2000) 401–410
- Ritter, K.**, see **Novak, E.** **112** (1999) 215–228
- Robb , M.** and **M. Sadkane**, Discrete-time Lyapunov stability of large matrices **115** (2000) 479–494
- Robin, V.**, see **Huard, A.** **115** (2000) 255–268
- Robinson, I.**, see **Hill, M.** **112** (1999) 121–145
- Rodr guez, C.**, see **Mart nez, A.** **114** (2000) 67– 79
- Rodrigues, A.**, see **do Carmo Coimbra, M.** **115** (2000) 169–179
- Rodrigues, J.A.**, Preconditioners for nonconforming domain decomposition methods **111** (1999) 227–237
- Rodr guez, J.R.**, see **Bana s, J.** **113** (2000) 35– 50
- Rold n, T.** and **I. Higuera**s, IRK methods for DAE: starting algorithms **111** (1999) 77– 92
- Ronveaux, A.**, see **Hounkonnou, M.N.** **114** (2000) 361–366
- Rost, K.** and **Z. Vav r n**, Rational interpolation and recursive solution of L wner–Vandermonde systems of equations **114** (2000) 319–331
- Rozlo zn k, M.**, see **Mary ska, J.** **117** (2000) 159–173
- Rubio, M.J.**, see **Hern ndez, M.A.** **115** (2000) 245–254
-
- Sablonni re, P.**, see **Lorente-Pardo, J.** **115** (2000) 383–396
- Sadarangani, K.**, see **Bana s, J.** **113** (2000) 35– 50
- Sadkane, M.**, see **Robb , M.** **115** (2000) 479–494
- Saigo, M.**, see **Glaeske, H.-J.** **118** (2000) 151–168
- Salanova, M.A.**, see **Ezquerro, J.A.** **115** (2000) 181–192
- Saleri, F.**, see **Berselli, L.C.** **116** (2000) 201–220
- Saliga, L.M.**, see **Kirk, W.A.** **113** (2000) 141–152
- Sallam, S.** and **M.N. Anwar**, Quintic C^2 -spline integration methods for solving second-order ordinary initial value problems **115** (2000) 495–502
- Samavati, F.F.**, see **Bartels, R.H.** **119** (2000) 29– 67
- Sanchez, L.**, A note on a nonautonomous O.D.E. related to the Fisher equation **113** (2000) 201–209
- S nchez-Ruiz, J.** and **J.S. Dehesa**, Entropic integrals of orthogonal hypergeometric polynomials with general supports **118** (2000) 311–322
- Sanchis-Lozano, M.A.**, see **Cabral-Rosetti, L.G.** **115** (2000) 93– 99
- Santos, J.** and **P. de Oliveira**, A converging finite volume scheme for hyperbolic conservation laws with source terms **111** (1999) 239–251
- Sawami, H.**, see **Kohno, T.** **115** (2000) 349–355
- Scherer, K.**, see **Lyche, T.** **119** (2000) 259–273

Schlöder, J.P. , see Bauer, I.	120	(2000)	1– 25
Schmid, H.J. , see Griener, B.	112	(1999)	83– 94
Schmidt, D. , see Cahlon, B.	117	(2000)	137–158
Schmitt, R. , see Novak, E.	112	(1999)	215–228
Schneider, R. , see Dæhlen, M.	119	(2000)	97–114
Schropp, J. , Conserving first integrals under discretization with variable step size integration procedures	115	(2000)	503–517
Schulz, V. , see Dreyer, T.	120	(2000)	67– 84
Scuderi, L. , see Monegato, G.	112	(1999)	201–214
Seidel, H.-P. , see Dæhlen, M.	119	(2000)	97–114
Sequeira, A. and M. Baía , A finite element approximation for the steady solution of a second-grade fluid model	111	(1999)	281–295
Sereno, C. , see do Carmo Coimbra, M.	115	(2000)	169–179
Serrano-Pérez, M.C. , see Lorente-Pardo, J.	115	(2000)	383–396
Sgallari, F. , see Calvetti, D.	115	(2000)	101–120
Shamardan, A.B. , see Khater, A.H.	115	(2000)	309–329
Sharma, V. , see Gill, P.E.	120	(2000)	197–213
Sheronova, T.L. , see Avdonin, S.A.	114	(2000)	11– 21
Sidi, A. , Further convergence and stability results for the generalized Richardson extrapolation process GREP ⁽¹⁾ with an application to the $D^{(1)}$ -transformation for infinite integrals	112	(1999)	269–290
Simon, A. , Some existence results for quasi-linear elliptic problems via the fixed-point theorem of Tarski	113	(2000)	211–216
Singh, S.P. , E. Tarafdar and B. Watson , A generalized fixed point theorem and equilibrium point of an abstract economy	113	(2000)	65– 71
Singstad, K. and T.O. Espelid , Integrating composed singularities using nonuniform subdivision and extrapolation	112	(1999)	291–308
Slavova, A. , Applications of some mathematical methods in the analysis of cellular neural networks	114	(2000)	387–404
Sloan, D.M. , see Qiu, Y.	116	(2000)	121–143
Sommeijer, B.P. , see van der Houwen, P.J.	115	(2000)	547–564
Sommer, M. , see Davydov, O.	119	(2000)	115–131
Spadini, M. , see Furi, M.	113	(2000)	241–254
Spaletta, G. , see Calvetti, D.	115	(2000)	101–120
Srivastava, H.M. , see Choi, J.	118	(2000)	87–109
Srivastava, H.M. and H. Tsumura , A certain class of rapidly convergent series representations for $\zeta(2n + 1)$	118	(2000)	323–335
Steinbauer, A. , see Novak, E.	112	(1999)	215–228
Strauss, H. , see Davydov, O.	119	(2000)	115–131
Swann, H. , On using the cell discretization algorithm for mixed-boundary value problems and domain decomposition	115	(2000)	519–534
Tan, K.-K. , see Chen, M.-P.	113	(2000)	309–315
Tang, T. , see Qiu, Y.	116	(2000)	121–143

- Tarafdar, E.**, see **Singh, S.P.** 113 (2000) 65–71
- Taşeli, H.**, Accurate numerical bounds for the spectral points of singular Sturm–Liouville problems over $-\infty < x < \infty$ 115 (2000) 535–546
- Taylor, S.W.**, A smoothing property of a hyperbolic system and boundary controllability 114 (2000) 23–40
- Torrens, J.J.**, see **López de Silanes, M.C.** 115 (2000) 369–382
- Traas, C.**, see **Alboul, L.** 119 (2000) 1–12
- Trujillo, J.J.**, see **Kilbas, A.A.** 118 (2000) 223–239
- Tsumura, H.**, see **Srivastava, H.M.** 118 (2000) 323–335
- Tůma, M.**, see **Maryška, J.** 117 (2000) 159–173
- Twizell, E.H.**, see **Duan, Q.** 117 (2000) 121–135
- Usman, A.**, see **Hall, G.** 111 (1999) 113–122
- Usman, A.** and **G. Hall**, Alternative stepsize strategies for Adams predictor–corrector codes 116 (2000) 105–120
- Vampa, V.**, see **Alonso, A.** 117 (2000) 105–119
- Van Daele, M.**, **T. Van Hecke**, **G. Vanden Berghe** and **H. De Meyer**, Deferred correction with mono-implicit Runge–Kutta methods for first-order IVPs 111 (1999) 37–47
- van Damme, R.**, see **Alboul, L.** 119 (2000) 1–12
- van der Houwen, P.J.**, **E. Messina** and **B.P. Sommeijer**, Oscillatory Störmer–Cowell methods 115 (2000) 547–564
- van der Houwen, P.J.**, Note on the time integration of 3D advection–reaction equations (*Letter to the Editor*) 116 (2000) 275–278
- Van Hecke, T.**, see **Van Daele, M.** 111 (1999) 37–47
- Van Keer, R.**, see **Batens, N.** 111 (1999) 187–199
- Van Keer, R.**, see **De Schepper, H.** 111 (1999) 253–265
- Van Keer, R.**, see **De Schepper, H.** 115 (2000) 151–167
- Van der Jeugt, J.**, Hypergeometric series related to the $9-j$ coefficient of $\text{su}(1,1)$ 118 (2000) 337–351
- Vanden Berghe, G.**, see **Van Daele, M.** 111 (1999) 37–47
- Vatsala, A.S.**, see **Lakshmikantham, V.** 113 (2000) 195–200
- Vavřín, Z.**, see **Rost, K.** 114 (2000) 319–331
- Vázquez-Méndez, M.E.**, see **Martínez, A.** 114 (2000) 67–79
- Vecchio, A.**, Stability of backward differentiation formulas for Volterra integro-differential equations 115 (2000) 565–576
- Verwer, J.G.**, see **Lanser, D.** 111 (1999) 201–216
- Voitecovici, A.**, see **Putu, M.** 111 (1999) 147–152
- Vrahatis, M.N.**, **G.S. Androulakis**, **J.N. Lambrinos** and **G.D. Magoulas**, A class of gradient unconstrained minimization algorithms with adaptive stepsize 114 (2000) 367–386
- Vu Kim Tuan**, see **Ismail Ali**, 118 (2000) 193–202

- Wang, J.**, see **Jiang, D.** 116 (2000) 231–241
- Wang, X.**, Improving the rejection sampling method in quasi-Monte Carlo methods 114 (2000) 231–246
- Wanner, G.**, see **Hairer, E.** 111 (1999) 93–111
- Ward, A.L.**, see **Kostreva, M.M.** 114 (2000) 173–187
- Watson, B.**, see **Singh, S.P.** 113 (2000) 65– 71
- Weber, R.** and **J. Hureau**, Numerical solution for various inverse problems 115 (2000) 577–591
- Webster, J.R.**, see **Evans, G.A.** 112 (1999) 55– 69
- Wei, Y.** and **H. Wu**, Convergence properties of Krylov subspace methods for singular linear systems with arbitrary index 114 (2000) 305–318
- Westbrook, T.**, see **Biehn, N.** 120 (2000) 109–131
- Wollman, S.**, The particle method for the Vlasov–Poisson system using equally spaced initial data points 115 (2000) 593–600
- Wong, P.J.Y.** and **R.P. Agarwal**, Eigenvalue theorems for discrete multipoint conjugate boundary value problems 113 (2000) 227–240
- Wong, P.J.Y.** and **R.P. Agarwal**, Fixed-sign solutions of a system of higher order difference equations 113 (2000) 167–181
- Wu, H.**, see **Wei, Y.** 114 (2000) 305–318
- Wulf, V.**, see **Ford, N.J.** 111 (1999) 153–162
- Wulf, V.** and **N.J. Ford**, Numerical Hopf bifurcation for a class of delay differential equations 115 (2000) 601–616
- Xu, Y.**, see **Heo, S.** 112 (1999) 95–119
- Yakubovich, S.B.**, The Titchmarsh integral transformation by the index of a Bessel function 118 (2000) 353–361
- Yamamoto, T.**, see **Matsunaga, N.** 116 (2000) 263–273
- Yan, N.**, see **Liu, W.** 120 (2000) 159–173
- Yang, J.**, see **Chan, C.Y.** 113 (2000) 353–364
- Yarur, C.S.**, see **García-Huidobro, M.** 113 (2000) 329–351
- Yoon, G.J.**, see **Kwon, K.H.** 116 (2000) 243–262
- Zanny, R.R.**, see **de Doncker, E.** 112 (1999) 29– 44
- Zeilfelder, F.**, see **Nürnberg, G.** 119 (2000) 347–376
- Zhang, Y.**, see **Dai, W.** 117 (2000) 1– 16
- Zhu, D.**, Nonmonotonic projected algorithm with both trust region and line search for constrained optimization 117 (2000) 35– 60
- Zufiria, P.J.**, see **Riaza, R.** 111 (1999) 305–317