

CONTENTS OF VOLUME 42

MARK AINSWORTH, BILL MCLEAN and THANH TRAN: Diagonal scaling of stiffness matrices in the Galerkin boundary element method	141
RAFIKUL ALAM, REKHA P. KULKARNI and BALMOHAN V. LIMAYE: Accelerated spectral refinement. Part II: Cluster of eigenvalues	224
R. S. ANDERSSSEN and M. WESTCOTT: The molecular weight distribution problem and reptation mixing rules	26
ALAN L. ANDREW: Quadrature errors in finite element eigenvalue computations	136
J. M. ANGULO: See V. V. ANH	
V. V. ANH, W. GRECKSCH, J. M. ANGULO and M. D. RUIZ-MEDINA: The Wiener-Hopf integral equation for fractional Riesz-Bessel motion	41
F. G. AVKHADIEV and A. M. ELIZAROV: Bilateral estimates of the critical Mach number for some classes of carrying wing profiles	494
D. D. BAINOV and I. M. STAMOVA: Vector Lyapunov functions and conditional stability for systems of impulsive differential-difference equations	341
D. D. BAINOV and I. M. STAMOVA: Lipschitz stability of impulsive functional-differential equations	504
EASWARAN BALAKRISHNAN: See ADRIAN SWIFT	
J. N. BOYD and P. N. RAYCHOWDHURY: Lattice vibrations with Rayleigh dissipation	244
L. R. BRAGG: Derivative-type ascent formulas for kernels of some half-space Dirichlet problems	185
A. BROWN: Fast diffusion with loss at infinity—additional solutions	445
GRAEME J. BYRNE, T. M. MILLS and SIMON J. SMITH: The Lebesgue function for generalized Hermite-Fejér interpolation on the Chebyshev nodes	98
M. R. CAPOBIANCO, G. CRISCUOLO, P. JUNGHANNIS and U. LUTHER: Uniform convergence of the collocation method for Prandtl's Integro-differential equation	151
RICARDO CELORRIO and FRANCISCO-JAVIER SAYAS: Extrapolation techniques and the collocation method for a class of boundary integral equations	413
A. CHAKRABARTI: On the solution of the problem of scattering of surface water waves by a sharp discontinuity in the surface boundary conditions	277
R. CHAMPION, C. T. LENARD and T. M. MILLS: A variational approach to splines	119
J. R. CHRISTIE, K. GOPALSAMY and JIBIN LI: Chaos in perturbed Lotka-Volterra systems	399
G. CRISCUOLO: See M. R. CAPOBIANCO	
JINGAN CUI: See HONGLIANG ZHU	
S. S. DRAGOMIR and C. J. GOH: On monotonicity and superadditivity properties of the entropy function	515
A. M. ELIZAROV: See F. G. AVKHADIEV	
L. K. FORBES: See S. W. MCCUE	
B. M. GLOVER: See A. M. RUBINOV	
C. J. GOH: See S. S. DRAGOMIR	
K. GOPALSAMY: See J. R. CHRISTIE	
W. GRECKSCH: See V. V. ANH	

JONG-SHENQ GUO and YUNG-JEN LIN GUO: An ordinary differential equation arising in the Ricci flow on the plane	438
YUNG-JEN LIN GUO: See JONG-SHENQ GUO	
J. M. GUTIÉRREZ and M. A. HERNÁNDEZ: An application of Newton's method to differential and integral equations	372
W. D. HALFORD: See A. R. SELVARATNAM	
M. A. HERNÁNDEZ: See J. M. GUTIÉRREZ	
ROGER J. HOSKING: Approximate evaluation of integrals	110
YOUNGMOK JEON: A quadrature method for constant-coefficient Cauchy singular integral equations on an interval	287
D. JUKIĆ and R. SCITOVSKI: The best least squares approximation problem for a 3-parametric exponential regression model	254
P. JUNGHANNS: See M. R. CAPOBIANCO	
RAINER KRESS: Integral equation methods in inverse obstacle scattering	65
REKHA P. KULKARNI: See RAFIKUL ALAM	
C. T. LENARD: See R. CHAMPION	
JIBIN LI: See J. R. CHRISTIE	
YONGKUN LI: On a periodic mutualism model	569
BALMOHAN V. LIMAYE: See RAFIKUL ALAM	
U. LUTHER: See M. R. CAPOBIANCO	
J. N. LYNESS: A brief survey of extrapolation quadrature	181
S. W. MCCUE and L. K. FORBES: Smoothly attaching bow flows with constant vorticity	354
BILL MCLEAN: See MARK AINSWORTH	
M. MATIĆ, C. E. M. PEARCE and J. PEČARIĆ: Refinements of some bounds in information theory	387
E. L. MONTAGU and JOHN NORBURY: Bifurcation of positive solutions for a Neumann boundary value problem	324
T. M. MILLS: See GRAEME J. BYRNE	
T. M. MILLS: See R. CHAMPION	
JOHN NORBURY: See E. L. MONTAGU	
JOHN NORBURY: See JAN H. VAN VUUREN	
MICHAEL R. OSBORNE: Scoring with constraints	9
LIPING PAN and JIONGMIN YONG: Optimal control for quasilinear retarded parabolic systems	532
C. E. M. PEARCE: See M. MATIĆ	
J. PEČARIĆ: See M. MATIĆ	
JOSIP PEČARIĆ: See SANJA VAROŠANEC	
BINH PHAM: Aesthetic factors in geometric modelling	169
GEORGE M. PHILLIPS: A generalization of the Bernstein polynomials based on the q -integers	79
P. N. RAYCHOWDHURY: See J. N. BOYD	

A. M. RUBINOV and B. M. GLOVER: Equilibrium with fixed budgets and superlinear connections	462
M. D. RUIZ-MEDINA: See V. V. ANH	
FRANCISCO-JAVIER SAYAS: See RICARDO CELORRIO	
R. SCITOVSKI: See D. JUKIĆ	
A. R. SELVARATNAM, M. Vlieg-HULSTMAN, B. VAN-BRUNT and W. D. HALFORD: On the solution of a class of second-order quasi-linear PDEs and the Gauss equation	312
IAN H. SLOAN: Multiple integration is intractable but not hopeless	3
SIMON J. SMITH: See GRAEME J. BYRNE	
I. M. STAMOVA: See D. D. BAINOV	
FRANK STENGER: Sinc approximation of Cauchy-type integrals over arcs	87
DAVID E. STEWART: Towards numerically estimating Hausdorff dimensions	451
ADRIAN SWIFT and EASWARAN BALAKRISHNAN: Solution of nonlinear equations and computation of multiple solutions of a simple reaction-diffusion equation	55
THANH TRAN: See MARK AINSWORTH	
B. VAN-BRUNT: See A. R. SELVARATNAM	
SANJA VAROŠANEC and JOSIP PEČARIĆ: Some integral inequalities with bounds for moments of distribution II	267
M. Vlieg-HULSTMAN: See A. R. SELVARATNAM	
JAN H. VAN VUUREN and JOHN NORBURY: Conditions for permanence in well-known biological competition models	195
GRAHAM J. WEIR: Early quasi-steady electro-magnetic fields about conducting surfaces	481
M. WESTCOTT: See R. S. ANDERSEN	
JIONGMIN YONG: See LIPING PAN	
JIAN-SHE YU: See B. G. ZHANG	
B. G. ZHANG and JIAN-SHE YU: Comparison and linearized oscillation theorems for a nonlinear partial difference equation	552
HONGLIANG ZHU and JINGAN CUI: Asymptotic behaviour of a nonautonomous cooperative system	561