

VOLUME XXXVI

AUTHOR INDEX

<i>Author</i>	<i>Title</i>	<i>Page</i>
ADLEMAN, LEONARD & LEIGHTON, FRANK THOMSON	An $O(n^{1/10.89})$ Primality Testing Algorithm.....	261
ARNOLD, DOUGLAS N., DOUGLAS, JIM JR. & THOMÉE, VIDAR	Superconvergence of a Finite Element Approximation to the Solution of a Sobolev Equation in a Single Space Variable.....	53
ARNON, DENNIS AVDELAS, G. & HADJIDIMOS, A.	See: GUNJI, HIROSHI & ARNON, DENNIS.....	281
BANK, RANDOLPH E. & DUPONT, TODD	Optimum Accelerated Overrelaxation Method in a Special Case.....	183
BARDOS, CLAUDE, BERCOVIER, MICHEL & PIRONNEAU, OLIVIER	An Optimal Order Process for Solving Finite Element Equa- tions.....	35
BERCOVIER, MICHEL	The Vortex Method With Finite Elements.....	119
BOJANOV, BORISLAV D. de BOOR, CARL & SWARTZ, BLAIR	See: BARDOS, CLAUDE, BERCOVIER, MICHEL & PIRONNEAU, OLIVIER.....	119
de BOOR, CARL & SWARTZ, BLAIR	Uniqueness of the Optimal Nodes of Quadrature Formulae.....	525
BORHO, W.	Collocation Approximation to Eigenvalues of an Ordinary Differential Equation: Numerical Illustrations.....	1
BRENT, RICHARD P. & POLLARD, JOHN M.	Local Piecewise Polynomial Projection Methods for an O.D.E. Which Give High-Order Convergence at Knots.....	21
CANTOR, DAVID G. & ZASSENHAUS, HANS	Some Large Primes and Amicable Numbers.....	303
DELFOUR, M., HAGER, W. & TROCHU, F.	Factorization of the Eighth Fermat Number.....	627
DESCLOUX, JEAN, LUSKIN, MITCHELL & RAPPAZ, JACQUES	A New Algorithm for Factoring Polynomials Over Finite Fields	587
DIXON, JOHN D. DJAOUA, M.	Discontinuous Galerkin Methods for Ordinary Differential Equations.....	455
DOUGLAS, JIM JR.	Approximation of the Spectrum of Closed Operators: The Determination of Normal Modes of a Rotating Basin.....	137
DUPONT, TODD DYKSEN, WAYNE R.	Asymptotically Fast Factorization of Integers.....	255
ENGQUIST, BJORN & OSHER, STANLEY	A Method of Calculation of Lifting Flows Around Two-Dimen- sional Corner-Shaped Bodies.....	405
FORNBERG, BENGT	See: ARNOLD, DOUGLAS N., DOUGLAS, JIM JR. & THOMÉE, VIDAR.....	53
GAUTSCHI, WALTER	See: BANK, RANDOLPH E. & DUPONT, TODD.....	35
GLASHOFF, K. & ROLEFF, K.	See: RICE, JOHN R., HOUSTIS, ELIAS N. & DYKSEN, WAYNE R.....	475
GOLDBERG, MOSHE & TADMOR, EITAN	One-Sided Difference Approximations for Nonlinear Conser- vation Laws.....	321
GOLDSTEIN, C. I.	A Vector Implementation of the Fast Fourier Transform Algorithm.....	189
GOTTLIEB, DAVID	Minimal Solutions of Three-Term Recurrence Relations and Orthogonal Polynomials.....	547
GUNJI, HIROSHI & ARNON, DENNIS	A New Method for Chebyshev Approximation of Complex- Valued Functions.....	233
	Scheme-Independent Stability Criteria for Difference Approx- imations of Hyperbolic Initial-Boundary Value Problems. II	603
	The Finite Element Method With Nonuniform Mesh Sizes for Unbounded Domains.....	387
	The Stability of Pseudospectral-Chebyshev Methods.....	107
	On Polynomial Factorization Over Finite Fields.....	281

<i>Author</i>	<i>Title</i>	<i>Page</i>
HADJIDIMOS, A.	See: AVDELAS, G. & HADJIDIMOS, A.....	183
HAGER, W.	See: DELFOUR, M., HAGER, W. & TROCHU, F.....	455
HAGIS, PETER JR.	Unitary Hyperperfect Numbers.....	299
HARTEN, AMIRAM & TAL-EZER, HILLEL	On a Fourth Order Accurate Implicit Finite Difference Scheme for Hyperbolic Conservation Laws: I. Nonstiff Strongly Dynamic Problems.....	353
HEMKER, P. W. & SCHIPPERS, H.	Multiple Grid Methods for the Solution of Fredholm Integral Equations of the Second Kind.....	215
HENDY, M. D. & JEANS, N. S.	The Jacobi-Perron Algorithm in Integer Form.....	565
HOUSTIS, ELIAS N.	See: RICE, JOHN R., HOUSTIS, ELIAS N. & DYKSEN, WAYNE R.....	475
ISERLES, A.	Quadrature Methods for Stiff Ordinary Differential Systems.....	171
JEANS, N. S.	See: HENDY, M. D. & JEANS, N. S.....	565
KISHORE, MASAO	On Odd Perfect, Quasiperfect, and Odd Almost Perfect Numbers.....	583
LAFRAMBOISE, J. G.	See: SHEPHERD, M. M. & LAFRAMBOISE, J. G.....	249
LAND, RUDOLF	Computation of Pólya Polynomials of Primitive Permutation Groups.....	267
LAYTON, WILLIAM J.	Estimates Away From a Discontinuity for Dissipative Galerkin Methods for Hyperbolic Equations.....	87
LEHMER, D. H.	On Fermat's Quotient, Base Two.....	289
LEIGHTON, FRANK THOMSON	See: ADLEMAN, LEONARD & LEIGHTON, FRANK THOMSON.....	261
LE ROUX, A. Y.	Stability of Numerical Schemes Solving Quasi-Linear Wave Equations.....	93
LUSKIN, MITCHELL	See: DESCLOUX, JEAN, LUSKIN, MITCHELL & RAPPAZ, JACQUES.....	137
MCCORMICK, STEPHEN F.	A Mesh Refinement Method for $Ax = \lambda Bx$	485
McCULLAGH, PETER	A Rapidly Convergent Series for Computing $\psi(z)$ and Its Derivatives.....	247
MAHONEY, J. F.	Partial Fraction Evaluation by an Escalation Technique.....	241
MERCIER, B., OSBORN, J., RAPPAZ, J. & RAVIART, P. A.	Eigenvalue Approximation by Mixed and Hybrid Methods....	427
MOSSIGE, SVEIN	Algorithms for Computing the h -Range of the Postage Stamp Problem.....	575
MUNZ, HARRY	Uniform Expansions for a Class of Finite Difference Schemes for Elliptic Boundary Value Problems.....	155
OSBORN, J.	See: MERCIER, B., OSBORN, J., RAPPAZ, J. & RAVIART, P. A.....	427
OSHER, STANLEY PIRONNEAU, OLIVIER	See: ENGQUIST, BJORN & OSHER, STANLEY.....	321
POLLARD, JOHN M.	See: BARDOS, CLAUDE, BERCOVIER, MICHEL & PIRONNEAU, OLIVIER.....	119
RAPPAZ, J.	See: BRENT, RICHARD P. & POLLARD, JOHN M.....	627
RAPPAZ, JACQUES	See: MERCIER, B., OSBORN, J., RAPPAZ, J. & RAVIART, P. A.....	427
RAVIART, P. A.	See: DESCLOUX, JEAN, LUSKIN, MITCHELL & RAPPAZ, JACQUES.....	137
RICE, JOHN R., HOUSTIS, ELIAS N. & DYKSEN, WAYNE R.	See: MERCIER, B., OSBORN, J., RAPPAZ, J. & RAVIART, P. A.....	427
RICHTER, GERARD R.	A Population of Linear, Second Order, Elliptic Partial Differential Equations on Rectangular Domains. Part I.....	475
te RIELE, HERMAN J. J.	Numerical Identification of a Spatially Varying Diffusion Coefficient.....	375
ROLEFF, K.	Hyperperfect Numbers With Three Different Prime Factors...	297
SCHIPPERS, H.	See: GLASHOFF, K. & ROLEFF, K.....	233
	See: HEMKER, P. W. & SCHIPPERS, H.....	215

<i>Author</i>	<i>Title</i>	<i>Page</i>
SCHNEIDER, CLAUS	Product Integration for Weakly Singular Integral Equations	207
SHAMPINE, L. F.	Type-Insensitive ODE Codes Based on Implicit A-Stable Formulas.....	499
SHANKS, DANIEL & WILLIAMS, H. C.	Gunderson's Function in Fermat's Last Theorem.....	291
SHEPHERD, M. M. & LAFRAMBOISE, J. G.	Chebyshev Approximation of $(1 + 2x)\exp(x^2)\operatorname{erfc} x$ in $0 \leq x < \infty$	249
SLOAN, IAN H.	Quadrature Methods for Integral Equations of the Second Kind Over Infinite Intervals.....	511
STOTHERS, W. W.	Subgroups of Finite Index in a Free Product With Amalgamated Subgroup.....	653
SWARTZ, BLAIR	See: de BOOR, CARL & SWARTZ, BLAIR.....	1
SWARTZ, BLAIR	See: de BOOR, CARL & SWARTZ, BLAIR.....	21
TADMOR, EITAN	See: GOLDBERG, MOSHE & TADMOR, EITAN.....	603
TAL-EZER, HILLEL	See: HARTEN, AMIRAM & TAL-EZER, HILLEL.....	353
THOMAS, K. S.	Galerkin Methods for Singular Integral Equations.....	193
THOMÉE, VIDAR	See: ARNOLD, DOUGLAS N., DOUGLAS, JIM JR. & THOMÉE, VIDAR.....	53
TROCHU, F.	See: DELFOUR, M., HAGER, W. & TROCHU, F.....	455
WEINTRAUB, SOL	A Large Prime Gap.....	279
WILLIAMS, H. C.	A Numerical Investigation Into the Length of the Period of the Continued Fraction Expansion of \sqrt{D}	593
WILLIAMS, H. C.	Some Results Concerning Voronoi's Continued Fraction Over $\mathbb{Q}(\sqrt[3]{D})$	631
WINTHER, RAGNAR	See: SHANKS, DANIEL & WILLIAMS, H. C.....	291
WRIGGE, STAFFAN	A Stable Finite Element Method for Initial-Boundary Value Problems for First-Order Hyperbolic Systems.....	65
ZASSENHAUS, HANS	Calculation of the Taylor Series Expansion Coefficients of the Jacobian Elliptic Function $sn(x, k)$	555
	See: CANTOR, DAVID G. & ZASSENHAUS, HANS.....	587