

VOLUME XL
AUTHOR INDEX

<i>Author</i>	<i>Title</i>	<i>Page</i>
ADLER, ANDREW	On the Bisection Method for Triangles.....	571
ARSCOTT, F. M., TAYLOR, P. J. & ZAHAR, R. V. M.	On the Numerical Construction of Ellipsoidal Wave Functions.....	367
AXELSSON, O. & GUSTAFSSON, I.	Preconditioning and Two-Level Multigrid Methods of Arbitrary Degree of Approximation.....	219
BAKER, GARTH A., DOUGALIS, VASSILIOS A. & KARAKASHIAN, OHANNES A.	Convergence of Galerkin Approximations for the Korteweg-de Vries Equation.....	419
BRADY, ALLEN H.	The Determination of the Value of Rado's Noncomputable Function $\Sigma(k)$ for Four-State Turing Machines.....	647
CASH, J. R.	Block Runge-Kutta Methods for the Numerical Integration of Initial Value Problems in Ordinary Differential Equations, Part I. The Nonstiff Case.....	175
CASH, J. R.	Block Runge-Kutta Methods for the Numerical Integration of Initial Value Problems in Ordinary Differential Equations, Part II. The Stiff Case.....	193
CHEN, GOONG, MILLS, WENDELL H., JR., SUN, SHUNHUA & YOST, DAVID A.	Sharp Error Estimates for a Finite Element-Penalty Approach to a Class of Regulator Problems.....	151
COLEMAN, J. P. & MONAGHAN, A. J.	Chebyshev Expansions for the Bessel Function $J_n(z)$ in the Complex Plane.....	343
COOPER, G. J. & SAYFY, A.	Additive Runge-Kutta Methods for Stiff Ordinary Differential Equations.....	207
CYBENKO, GEORGE	A General Orthogonalization Technique With Applications to Time Series Analysis and Signal Processing.....	323
DIAZ, J. C.	<i>See: KEAST, P., FAIRWEATHER, G. & DIAZ, J. C.</i>	499
DOUGALIS, VASSILIOS A.	<i>See: BAKER, GARTH A., DOUGALIS, VASSILIOS A. & KARAKASHIAN, OHANNES A.</i>	419
DOUGLAS, JIM, JR. & WHEELER, MARY FANETT	Implicit, Time-Dependent Variable Grid Finite Difference Methods for the Approximation of a Linear Waterflood Computation of Faber Series With Application to Numerical Polynomial Approximation in the Complex Plane.	575
ELLACOTT, S. W.		107
EVANS, RONALD J.	Twenty-Fourth Power Residue Difference Sets.....	677
FAIRWEATHER, G.	<i>See: KEAST, P., FAIRWEATHER, G. & DIAZ, J. C.</i>	499
FALK, RICHARD S.	Error Estimates for the Numerical Identification of a Variable Coefficient.....	537
GAUTSCHI, WALTER	On the Convergence Behavior of Continued Fractions with Real Elements.....	337
GERVER, JOSEPH L.	Irregular Sets of Integers Generated by the Greedy Algorithm.....	667
GLASSER, M. L.	A Remarkable Property of Definite Integrals.....	561
GRAYSON, MATTHEW A.	The Orbit Space of a Kleinian Group: Riley's Modest Example.....	633
GUSTAFSSON, I.	<i>See: AXELSSON, O. & GUSTAFSSON, I.</i>	219
HAGIS, PETER, JR.	Sketch of a Proof That an Odd Perfect Number Relatively Prime to 3 Has at Least Eleven Prime Factors.....	399
ISERLES, A. & NØRSETT, S. P.	Frequency Fitting of Rational Approximations to the Exponential Function.....	547

<i>Author</i>	<i>Title</i>	<i>Page</i>
JAESCHKE, G.	On the Smallest k Such That All $k \cdot 2^n + 1$ Are Composite	381
KARAKASHIAN, OHANNES A.	<i>See:</i> BAKER, GARTH A., DOUGALIS, VASSILIOS A. & KARAKASHIAN, OHANNES A.	419
KEAST, P., FAIRWEATHER, G. & DIAZ, J. C.	A Computational Study of Finite Element Methods for Second Order Linear Two-Point Boundary Value Problems	499
KISHORE, MASAO	Odd Perfect Numbers Not Divisible by 3. II	405
KÖLBIG, K. S.	On the Integral $\int_0^{\pi/2} \log^n \cos x \log^p \sin x dx$	565
LEVEQUE, RANDALL J. & OLIGER, JOSEPH	Numerical Methods Based on Additive Splittings for Hyper- bolic Partial Differential Equations	469
LEVIN, MOSHE	On the Approximate Calculation of Double Integrals.....	273
LUCAS, THOMAS R.	A Posteriori Improvements for Interpolating Periodic Splines.....	243
LUCIA, ANGELO	An Explicit Quasi-Newton Update for Sparse Optimization Calculations	317
MARKOWICH, PETER A. & RINGHOFER, CHRISTIAN A.	Collocation Methods for Boundary Value Problems on 'Long' Intervals	123
MICHELSON, DANIEL	Stability Theory of Difference Approximations for Multidi- mensional Initial-Boundary Value Problems	1
MILLS, WENDELL H., JR.	<i>See:</i> CHEN, GOONG, MILLS, WENDELL H., JR., SUN, SHUNHUA & YOST, DAVID A.	151
MITYAGIN, BORIS	Quadratic Pencils and Least-Squares Piecewise-Polynomial Approximation	283
MONAGHAN, A. J.	<i>See:</i> COLEMAN, J. P. & MONAGHAN, A. J.	343
NIELSON, GREGORY M.	A Method for Interpolating Scattered Data Based Upon a Minimum Norm Network.....	253
NUTTALL, ALBERT H.	<i>See:</i> STREIT, ROY L. & NUTTALL, ALBERT H.	599
NØRSETT, S. P.	<i>See:</i> ISERLES, A. & NØRSETT, S. P.	547
OLIGER, JOSEPH	<i>See:</i> LEVEQUE, RANDALL J. & OLIGER, JOSEPH.....	469
OPIE, ALEX H.	<i>See:</i> SMITH, WILLIAM E., SLOAN, IAN H. & OPIE, ALEX H.	519
RILEY, ROBERT	Applications of a Computer Implementation of Poincaré's Theorem on Fundamental Polyhedra.....	607
RINGHOFER, CHRISTIAN A.	<i>See:</i> MARKOWICH, PETER A. & RINGHOFER, CHRISTIAN A.	123
ROSE, MICHAEL E.	Numerical Methods for Flows Through Porous Media. I...	435
SANDERS, RICHARD	On Convergence of Monotone Finite Difference Schemes with Variable Spatial Differencing	91
SAYFY, A.	<i>See:</i> COOPER, G. J. & SAYFY, A.	207
SCHATZ, A. H. & WAHLBIN, L. B.	On the Finite Element Method for Singularly Perturbed Reaction-Diffusion Problems in Two and One Dimen- sions	47
SCHWINDT, H.	Three Summation Criteria for Fermat's Last Theorem.....	715
SLOAN, IAN H.	<i>See:</i> SMITH, WILLIAM E., SLOAN, IAN H. & OPIE, ALEX H.	519
SMITH, WILLIAM E., SLOAN, IAN H. & OPIE, ALEX H.	Product Integration Over Infinite Intervals I. Rules Based on the Zeros of Hermite Polynomials.....	519
STREIT, ROY L. & NUTTALL, ALBERT H.	A Note on the Semi-Infinite Programming Approach to Complex Approximation.....	599
SUN, SHUNHUA	<i>See:</i> CHEN, GOONG, MILLS, WENDELL H., JR., SUN, SHUNHUA & YOST, DAVID A.	151
TAYLOR, P. J.	<i>See:</i> ARSCOTT, F. M., TAYLOR, P. J. & ZAHAR, R. V. M.	367

AUTHOR INDEX

731

<i>Author</i>	<i>Title</i>	<i>Page</i>
THRON, W. J. & WAADELAND, HAAKON	Truncation Error Bounds for Limit Periodic Continued Fractions	589
VAUGHAN, THERESA P.	The Discriminant of a Quadratic Extension of an Algebraic Field.....	685
WAADELAND, HAAKON	<i>See:</i> THRON, W. J. & WAADELAND, HAAKON.....	589
WAGSTAFF, SAMUEL S., JR.	Divisors of Mersenne Numbers.....	385
WAHLBIN, L. B.	<i>See:</i> SCHATZ, A. H. & WAHLBIN, L. B.....	47
WHEELER, MARY FANETT	<i>See:</i> DOUGLAS, JIM, JR. & WHEELER, MARY FANETT	107
WOLKENFELT, P. H. M.	Modified Multilag Methods for Volterra Functional Equations.....	301
WUNDERLICH, M. C.	A Performance Analysis of a Simple Prime-Testing Algorithm.....	709
YOST, DAVID A.	<i>See:</i> CHEN, GOONG, MILLS, WENDELL H., JR., SUN, SHUNHUA & YOST, DAVID A.	151
ZAHAR, R. V. M.	<i>See:</i> ARSCOTT, F. M., TAYLOR, P. J. & ZAHAR, R. V. M.	367