INDEXES TO VOLUMES 52 AND 53

AUTHOR INDEX

Author	*Title*	*Vol.*	*Page*
AFFLERBACH, LOTHAR & WEILBÄCHER, RAINER	The Exact Determination of Rectangle Discrepancy for Linear Congruential Pseudorandom Numbers	53	343
ANG, D. D., LUND, JOHN & STENGER, FRANK	Complex Variable and Regularization Methods of Inversion of the Laplace Transform	53	589
AZIZ, A. K. & MONK, PETER	Continuous Finite Elements in Space and Time for the Heat Equation	52	255
BABUŠKA, I. & OSBORN, J. E.	Finite Element-Galerkin Approximation of the Eigenvalues and Eigenvectors of Selfadjoint Problems	52	275
BACH, ERIC & SHALLIT, JEFFREY	Factoring with Cyclotomic Polynomials	52	201
BAILEY, DAVID H. & FERGUSON, HELAMAN R. P.	Numerical Results on Relations Between Fundamental Constants Using a New Algorithm	53	649
BALES, LAURENCE A. & DOUGALIS, VASSILIOS A.	Cosine Methods for Nonlinear Second-Order Hyperbolic Equations	52	299
BAYLISS, ALVIN, LI, YANYAN & MORAWETZ, CATHLEEN S.	Scattering by a Potential Using Hyperbolic Methods	52	321
BELL, DAVID I.	*See*: NOLL, LANDON CURT & BELL, DAVID I.	53	439
BELLEN, A., JACKIEWICZ, Z., VERMIGLIO, R. & ZENNARO, M.	Natural Continuous Extensions of Runge-Kutta Methods for Volterra Integral Equations of the Second Kind and Their Applications	52	49
BERCOVIER, MICHEL	*See*: SCHATZMAN, MICHELLE & BERCOVIER, MICHEL	53	55
BÖRGERS, CHRISTOPH	On the Numerical Solution of the Regularized Birkhoff Equations	53	141
BORWEIN, J. M. & BORWEIN, P. B.	On the Mean Iteration $(a, b) \leftarrow ((a + 3b)/4, (\sqrt{ab} + b)/2)$	53	311
BORWEIN, P. B.	*See*: BORWEIN, J. M. & BORWEIN, P. B.	53	311
BOYD, DAVID W.	Reciprocal Polynomials Having Small Measure. II	53	355
BRAMBLE, JAMES H., PASCIAK, JOSEPH E., SAMMON, PETER H. & THOMÉE, VIDAR	Incomplete Iterations in Multistep Backward Difference Methods for Parabolic Problems with Smooth and Nonsmooth Data	52	339
BRAMBLE, JAMES H., PASCIAK, JOSEPH E. & SCHATZ, ALFRED H.	The Construction of Preconditioners for Elliptic Problems by Substructuring, IV	53	1
BRENNER, SUSANNE C.	An Optimal-Order Multigrid Method for P1 Nonconforming Finite Elements	52	1
BRENT, RICHARD P. & COHEN, GRAEME L.	A New Lower Bound for Odd Perfect Numbers	53	431

Author	Title	Vol.	Page
BREZINSKI, CLAUDE	Procedures for Estimating the Error in Padé Approximation	53	639
BROWNING, G. L. & KREISS, H.-O.	Comparison of Numerical Methods for the Calculation of Two-Dimensional Turbulence	52	369
BRUNNER, HERMANN	Collocation Methods for Nonlinear Volterra Integro-Differential Equations with Infinite Delay	53	571
BUCHMANN, J., POHST, M. & SCHMETTOW, J. V.	On the Computation of Unit Groups and Class Groups of Totally Real Quartic Fields	53	387
BUCHMANN, JOHANNES & FORD, DAVID	On the Computation of Totally Real Quartic Fields of Small Discriminant	52	161
BUCHMANN, JOHANNES & PETHÖ, ATTILA	Computation of Independent Units in Number Fields by Dirichlet's Method	52	149
BUCHMANN, JOHANNES & WILLIAMS, H. C.	On the Computation of the Class Number of an Algebraic Number Field	53	679
CABOZ, R.	*See*: LOISEAU, J. F., CODACCIONI, J. P. & CABOZ, R.	53	335
CAI, WEI, GOTTLIEB, DAVID & SHU, CHI-WANG	Essentially Nonoscillatory Spectral Fourier Methods for Shock Wave Calculations	52	389
CARLSON, B. C.	A Table of Elliptic Integrals: Cubic Cases	53	327
CHUI, CHARLES K. & HE, TIAN XIAO	On the Dimension of Bivariate Superspline Spaces	53	219
COCKBURN, BERNARDO & SHU, CHI-WANG	TVB Runge-Kutta Local Projection Discontinuous Galerkin Finite Element Method for Conservation Laws II: General Framework	52	411
CODACCIONI, J. P.	*See*: LOISEAU, J. F., CODACCIONI, J. P. & CABOZ, R.	53	335
COHEN, GRAEME L.	*See*: BRENT, RICHARD P. & COHEN, GRAEME L.	53	431
COMODI, M. I.	The Hellan-Herrmann-Johnson Method: Some New Error Estimates and Postprocessing	52	17
CREUTZBURG, R. & TASCHE, M.	Parameter Determination for Complex Number-Theoretic Transforms Using Cyclotomic Polynomials	52	189
CROUZEIX, M., THOMÉE, V. & WAHLBIN, L. B.	Error Estimates for Spatially Discrete Approximations of Semilinear Parabolic Equations with Initial Data of Low Regularity	53	25
CROUZEIX, MICHEL & FALK, RICHARD S.	Nonconforming Finite Elements for the Stokes Problem	52	437
DEGOND, P. & MAS-GALLIC, S.	The Weighted Particle Method for Convection-Diffusion Equations. Part 1: The Case of an Isotropic Viscosity	53	485
DEGOND, P. & MAS-GALLIC, S.	The Weighted Particle Method for Convection-Diffusion Equations. Part 2: The Anisotropic Case	53	509
DEL PRETE, VINCENZA	Quadratic Convergence of Vortex Methods	52	457
DOUGHERTY, RANDALL L., EDELMAN, ALAN & HYMAN, JAMES M.	Nonnegativity-, Monotonicity-, or Convexity-Preserving Cubic and Quintic Hermite Interpolation	52	471
DOUGALIS, VASSILIOS A.	*See*: BALES, LAURENCE A. & DOUGALIS, VASSILIOS A.	52	299

Author	*Title*	*Vol.*	*Page*
DOUGLAS, JIM, JR. & WANG, JUNPING	An Absolutely Stabilized Finite Element Method for the Stokes Problem	52	495
DUBNER, H.	A New Method for Producing Large Carmichael Numbers	53	411
DUTT, P.	Stability and Convergence of Spectral Methods for Hyperbolic Initial-Boundary Value Problems	53	547
EDELMAN, ALAN	*See*: DOUGHERTY, RANDALL L., EDELMAN, ALAN & HYMAN, JAMES M.	52	471
EGGERMONT, P. P. B.	Uniform Error Estimates of Galerkin Methods for Monotone Abel-Volterra Integral Equations on the Half-Line	53	157
EICHENAUER-HERRMANN, JÜRGEN, GROTHE, HOLGER & LEHN, JÜRGEN	On the Period Length of Pseudorandom Vector Sequences Generated by Matrix Generators	52	145
ENGQUIST, BJÖRN, LÖTSTEDT, PER & SJÖGREEN, BJÖRN	Nonlinear Filters for Efficient Shock Computation	52	509
EVANS, D. J. & LI, C.	Determination of the $D^{1/2}$-Norm of the SOR Iterative Matrix for the Unsymmetric Case	53	203
EĞECIOĞLU, ÖMER & KO, ETIN K.	A Fast Algorithm for Rational Interpolation Via Orthogonal Polynomials	53	249
FALK, RICHARD S.	*See*: CROUZEIX, MICHEL & FALK, RICHARD S.	52	437
FERGUSON, HELAMAN R. P.	*See*: BAILEY, DAVID H. & FERGUSON, HELAMAN R. P.	53	649
FISCHER, BERND & REICHEL, LOTHAR	Newton Interpolation in Fejér and Chebyshev Points	53	265
FORD, DAVID	*See*: BUCHMANN, JOHANNES & FORD, DAVID	52	161
GARABEDIAN, P. R.	Design of a Large Helical System for Magnetic Fusion Experiments	52	539
GAÁL, I. & SCHULTE, N.	Computing All Power Integral Bases of Cubic Fields	53	689
GELMAN, ALEX & RHEINBOLDT, WERNER C.	On the Computation of Finite Invariant Sets of Mappings	52	545
GEVECI, T.	On the Convergence of a Time Discretization Scheme for the Navier-Stokes Equations	53	43
GOLUB, GENE H. & KENT, MARK D.	Estimates of Eigenvalues for Iterative Methods	53	619
GORDON, DANIEL M.	On the Number of Elliptic Pseudoprimes	52	231
GOTTLIEB, DAVID	*See*: CAI, WEI, GOTTLIEB, DAVID & SHU, CHI-WANG	52	389
GROTHE, HOLGER	*See*: EICHENAUER-HERRMANN, JÜRGEN, GROTHE, HOLGER & LEHN, JÜRGEN	52	145
GROMANN, CH. & ROOS, H.-G.	Uniform Enclosure of High Order for Boundary Value Problems by Monotone Discretization	53	609
HE, TIAN XIAO	*See*: CHUI, CHARLES K. & HE, TIAN XIAO	53	219
HEINRICHS, WILHELM	Improved Condition Number for Spectral Methods	53	103
HUNDSDORFER, W. H. & VERWER, J. G.	Stability and Convergence of the Peaceman-Rachford ADI Method for Initial-Boundary Value Problems	53	81

Author	*Title*	*Vol.*	*Page*
HYMAN, JAMES M.	*See*: DOUGHERTY, RANDALL L., EDELMAN, ALAN & HYMAN, JAMES M.	52	471
ISAACSON, DAVID & ISAACSON, ELI L.	Comment on Calderón's Paper: "On an Inverse Boundary Value Problem"	52	553
ISAACSON, ELI L.	*See*: ISAACSON, DAVID & ISAACSON, ELI L.	52	553
JACKIEWICZ, Z.	*See*: BELLEN, A., JACKIEWICZ, Z., VERMIGLIO, R. & ZENNARO, M.	52	49
KALTOFEN, ERICH & ROLLETSCHEK, HEINRICH	Computing Greatest Common Divisors and Factorizations in Quadratic Number Fields	53	697
KEELING, STEPHEN L.	Galerkin/Runge-Kutta Discretizations for Parabolic Equations with Time-Dependent Coefficients	52	561
KENT, MARK D.	*See*: GOLUB, GENE H. & KENT, MARK D.	53	619
KIM, SU HEE & POMERANCE, CARL	The Probability that a Random Probable Prime is Composite	53	721
KOÇ, ÇETIN K.	*See*: EĞECIOĞLU, ÖMER & KOÇ, ÇETIN K.	53	249
KREISS, H.-O.	*See*: BROWNING, G. L. & KREISS, H.-O.	52	369
LEHN, JÜRGEN	*See*: EICHENAUER-HERRMANN, JÜRGEN, GROTHE, HOLGER & LEHN, JÜRGEN	52	145
LI, C.	*See*: EVANS, D. J. & LI, C.	53	203
LI, YANYAN	*See*: BAYLISS, ALVIN, LI, YANYAN & MORAWETZ, CATHLEEN S.	52	321
LIE, IVAR & NØRSETT, SYVERT P.	Superconvergence for Multistep Collocation	52	65
LOCHER, F.	A Family of Generalized Jacobi Polynomials	53	303
LÖH, GÜNTER	Long Chains of Nearly Doubled Primes	53	751
LOISEAU, J. F., CODACCIONI, J. P. & CABOZ, R.	Incomplete Hyperelliptic Integrals and Hypergeometric Series	53	335
LÖTSTEDT, PER	*See*: ENGQUIST, BJÖRN, LÖTSTEDT, PER & SJÖGREEN, BJÖRN	52	509
LUBINSKY, D. S.	*See*: RABINOWITZ, P. & LUBINSKY, D. S.	53	279
LUECKE, GLENN R.	Numerical Approximation of Minimum Norm Solutions of $Kf = g$ for Special K	53	563
LUND, JOHN	*See*: ANG, D. D., LUND, JOHN & STENGER, FRANK	53	589
LYNESS, J. N. & SLOAN, I. H.	Some Properties of Rank-2 Lattice Rules	53	627
LYNESS, JAMES N.	*See*: SLOAN, IAN H. & LYNESS, JAMES N.	52	81
MARSAGLIA, GEORGE, ZAMAN, ARIF & MARSAGLIA, JOHN C. W.	Numerical Solution of Some Classical Differential-Difference Equations	53	191
MARSAGLIA, JOHN C. W.	*See*: MARSAGLIA, GEORGE, ZAMAN, ARIF & MARSAGLIA, JOHN C. W.	53	191
MAS-GALLIC, S.	*See*: DEGOND, P. & MAS-GALLIC, S.	53	485
MAS-GALLIC, S.	*See*: DEGOND, P. & MAS-GALLIC, S.	53	509
MASSIAS, JEAN-PIERRE, NICOLAS, JEAN-LOUIS & ROBIN, GUY	Effective Bounds for the Maximal Order of an Element in the Symmetric Group	53	665

Author	*Title*	*Vol.*	*Page*
MASTROIANNI, GIUSEPPE	On the Convergence of Product Formulas for the Evaluation of Certain Two-Dimensional Cauchy Principal Value Integrals	52	95
MCDANIEL, WAYNE L.	Some Pseudoprimes and Related Numbers Having Special Forms	53	407
MEINARDUS, G., NÜRNBERGER, G., SOMMER, M. & STRAUSS, H.	Algorithms for Piecewise Polynomials and Splines with Free Knots	53	235
MIKLAVČIČ, MILAN	Approximations for Weakly Nonlinear Evolution Equations	53	471
MIYAMOTO, IAN & MURTY, M. RAM	Elliptic Pseudoprimes	53	415
MONK, PETER	*See*: AZIZ, A. K. & MONK, PETER	52	255
MORAIN, FRANÇOIS	On the lcm of the Differences of Eight Primes .	52	225
MORAWETZ, CATHLEEN S.	*See*: BAYLISS, ALVIN, LI, YANYAN & MORAWETZ, CATHLEEN S.	52	321
MOSTREL, MARCO MOSCHÉ	On Some Numerical Schemes for Transonic Flow Problems	52	587
MURTY, M. RAM	*See*: MIYAMOTO, IAN & MURTY, M. RAM . .	53	415
NICOLAS, JEAN-LOUIS	*See*: MASSIAS, JEAN-PIERRE, NICOLAS, JEAN-LOUIS & ROBIN, GUY	53	665
NIEDERREITER, HARALD	The Serial Test for Congruential Pseudorandom Numbers Generated by Inversions	52	135
NOCHETTO, RICARDO H.	A Stable Extrapolation Method for Multidimensional Degenerate Parabolic Problems	53	455
NOLL, LANDON CURT & BELL, DAVID I.	n-clusters for $1 < n < 7$	53	439
NØRSETT, SYVERT P.	*See*: LIE, IVAR & NØRSETT, SYVERT P. . . .	52	65
NÜRNBERGER, G.	*See*: MEINARDUS, G., NÜRNBERGER, G., SOMMER, M. & STRAUSS, H.	53	235
OSBORN, J. E.	*See*: BABUŠKA, I. & OSBORN, J. E.	52	275
PASCIAK, JOSEPH E.	*See*: BRAMBLE, JAMES H., PASCIAK, JOSEPH E., SAMMON, PETER H. & THOMÉE, VIDAR	52	339
PASCIAK, JOSEPH E.	*See*: BRAMBLE, JAMES H., PASCIAK, JOSEPH E. & SCHATZ, ALFRED H.	53	1
PETHÖ, ATTILA	*See*: BUCHMANN, JOHANNES & PETHÖ, ATTILA	52	149
PINTZ, JÁNOS, STEIGER, WILLIAM L. & SZEMERÉDI, ENDRE	Infinite Sets of Primes with Fast Primality Tests and Quick Generation of Large Primes . . .	53	399
POHST, M.	*See*: BUCHMANN, J., POHST, M. & SCHMETTOW, J. V.	53	387
POMERANCE, CARL	*See*: KIM, SU HEE & POMERANCE, CARL . .	53	721
POTLER, AARON	*See*: YOUNG, JEFF & POTLER, AARON	52	221
PUCKETT, ELBRIDGE GERRY	Convergence of a Random Particle Method to Solutions of the Kolmogorov Equation $u_t = \nu u_{xx} + u(1-u)$	52	615
RABINOWITZ, P. & LUBINSKY, D. S.	Noninterpolatory Integration Rules for Cauchy Principal Value Integrals	53	279
REICHEL, LOTHAR	*See*: FISCHER, BERND & REICHEL, LOTHAR	53	265

Author	Title	Vol.	Page
RHEINBOLDT, WERNER C.	*See*: GELMAN, ALEX & RHEINBOLDT, WERNER C.	52	545
ROBERTS, STEPHEN	Convergence of a Random Walk Method for the Burgers Equation	52	647
ROBIN, GUY	*See*: MASSIAS, JEAN-PIERRE, NICOLAS, JEAN-LOUIS & ROBIN GUY	53	665
ROLLETSCHEK, HEINRICH	*See*: KALTOFEN, ERICH & ROLLETSCHEK, HEINRICH	53	697
ROOS, H.-G.	*See*: GROßMANN, CH. & ROOS, H.-G.	53	609
RUSIN, DAVID J.	The Cohomology of the Groups of Order 32	53	359
SACCHI LANDRIANI, GIOVANNI & VANDEVEN, HERVÉ	Polynomial Approximation of Divergence-Free Functions	52	103
SAMMON, PETER H.	*See*: BRAMBLE, JAMES H., PASCIAK, JOSEPH E., SAMMON, PETER H. & THOMÉE, VIDAR	52	339
SCHATZ, ALFRED H.	*See*: BRAMBLE, JAMES H., PASCIAK, JOSEPH E. & SCHATZ, ALFRED H.	53	1
SCHATZMAN, MICHELLE & BERCOVIER, MICHEL	Numerical Approximation of a Wave Equation with Unilateral Constraints	53	55
SCHMETTOW, J. V.	*See*: BUCHMANN, J., POHST, M. & SCHMETTOW, J. V.	53	387
SCHULTE, N.	*See*: GAÁL, I. & SCHULTE, N.	53	689
SHALLIT, JEFFREY	*See*: BACH, ERIC & SHALLIT, JEFFREY	52	201
SHU, CHI-WANG	*See*: CAI, WEI, GOTTLIEB, DAVID & SHU, CHI-WANG	52	389
SHU, CHI-WANG	*See*: COCKBURN, BERNARDO & SHU, CHI-WANG	52	411
SJÖGREEN, BJÖRN	*See*: ENGQUIST, BJÖRN, LÖTSTEDT, PER & SJÖGREEN, BJÖRN	52	509
SLOAN, I. H.	*See*: LYNESS, J. N. & SLOAN, I. H.	53	627
SLOAN, IAN H. & LYNESS, JAMES N.	The Representation of Lattice Quadrature Rules as Multiple Sums	52	81
SMITH, DAVID M.	Efficient Multiple-Precision Evaluation of Elementary Functions	52	131
SOMMER, M.	*See*: MEINARDUS, G., NÜRNBERGER, G., SOMMER, M. & STRAUSS, H.	53	235
STEIGER, WILLIAM L.	*See*: PINTZ, JÁNOS, STEIGER, WILLIAM L. & SZEMERÉDI, ENDRE	53	399
STENGER, FRANK	*See*: ANG, D. D., LUND, JOHN & STENGER, FRANK	53	589
STEPHAN, E. P. & SURI, M.	On the Convergence of the p-Version of the Boundary Element Galerkin Method	52	31
STRAUSS, H.	*See*: MEINARDUS, G., NÜRNBERGER, G., SOMMER, M. & STRAUSS, H.	53	235
STROEKER, R. J.	On Quartic Thue Equations with Trivial Solutions	52	175
SURI, M.	*See*: STEPHAN, E. P. & SURI, M.	52	31
SWARTZ, BLAIR	The Second-Order Sharpening of Blurred Smooth Borders	52	675
SZEMERÉDI, ENDRE	*See*: PINTZ, JÁNOS, STEIGER, WILLIAM L. & SZEMERÉDI, ENDRE	53	399

Author	*Title*	*Vol.*	*Page*
SZEPESSY, ANDERS	Convergence of a Shock-Capturing Streamline Diffusion Finite Element Method for a Scalar Conservation Law in Two Space Dimensions	53	527
TANNER, JONATHAN W. & WAGSTAFF, SAMUEL S., JR.	New Bound for the First Case of Fermat's Last Theorem	53	743
TASCHE, M.	*See*: CREUTZBURG, R. & TASCHE, M.	52	189
THOMÉE, V.	*See*: CROUZEIX, M., THOMÉE, V. & WAHLBIN, L. B.	53	25
THOMÉE, VIDAR & ZHANG, NAI-YING	Error Estimates for Semidiscrete Finite Element Methods for Parabolic Integro-Differential Equations	53	121
THOMÉE, VIDAR	*See*: BRAMBLE, JAMES H., PASCIAK, JOSEPH E., SAMMON, PETER H. & THOMÉE, VIDAR	52	339
TROESCH, B. A.	The Validity of Shapiro's Cyclic Inequality	53	657
VANDEVEN, HERVÉ	*See*: SACCHI LANDRIANI, GIOVANNI & VANDEVEN, HERVÉ	52	103
VERMIGLIO, R.	*See*: BELLEN, A., JACKIEWICZ, Z., VERMIGLIO, R. & ZENNARO, M.	52	49
VERWER, J. G.	*See*: HUNDSDORFER, W. H. & VERWER, J. G.	53	81
WAGSTAFF, SAMUEL S., JR.	*See*: TANNER, JONATHAN W. & WAGSTAFF, SAMUEL S., JR.	53	743
WAHLBIN, L. B.	*See*: CROUZEIX, M., THOMÉE, V. & WAHLBIN, L. B.	53	25
WANG, JUNPING	*See*: DOUGLAS, JIM, JR. & WANG, JUNPING	52	495
WEILBÄCHER, RAINER	*See*: AFFLERBACH, LOTHAR & WEILBÄCHER, RAINER	53	343
WILLIAMS, H. C.	*See*: BUCHMANN, JOHANNES & WILLIAMS, H. C.	53	679
XU, YUAN	Weight Functions for Chebyshev Quadrature	53	297
YOUNG, JEFF & POTLER, AARON	First Occurrence Prime Gaps	52	221
ZAMAN, ARIF	*See*: MARSAGLIA, GEORGE, ZAMAN, ARIF & MARSAGLIA, JOHN C. W.	53	191
ZENNARO, M.	*See*: BELLEN, A., JACKIEWICZ, Z., VERMIGLIO, R. & ZENNARO, M.	52	49
ZHANG, NAI-YING	*See*: THOMÉE, VIDAR & ZHANG, NAI-YING	53	121

INDEX OF REVIEWS BY AUTHOR OF WORK REVIEWED

Author	Review Number	Classification	Vol.	Page
ALFARO, M., DEHESA, J. S., MARCELLAN, F. J., RUBIO DE FRANCIA, J. L. & VINUESA, J., Editors	34	33–06, 33A65, 41–06, 42C05	53	775
ALLEN, MYRON B. III, HERRERA, ISMAEL & PINDER, GEORGE F.	20	65–01, 65Mxx, 65Nxx	53	761
ALVEY, NORMAN	4	See: LANE, PETER, GALWAY, NICK & ALVEY, NORMAN	52	252
BERGUM, G. E.	19	See: PHILIPPOU, A. N., HORADAM, A. F. & BERGUM, G. E., Editors	53	453
BINI, DARIO, CAPOVANI, MILVIO & MENCHI, ORNELLA	28	65–01, 65Fxx	53	771
BLAKE, ANDREW & ZISSERMAN, ANDREW	29	68T99, 65D07, 65D10	53	772
BRASS, H. & HÄMMERLIN, G. H., Editors	17	65–06, 65D30, 65D32	53	451
BULLEN, P. S., MITRINOVIĆ, D. S. & VASIĆ, P. M.	16	26–02, 26D15, 26B25	53	450
CAPOVANI, MILVIO	28	See: BINI, DARIO, CAPOVANI, MILVIO & MENCHI, ORNELLA	53	771
CAREY, GRAHAM F. & ODEN, J. TINSLEY	2	65N30, 65M60, 76D05, 76D07	52	249
CIARLET, PHILIPPE G.	9	73–02, 73C50	52	715
COLEMAN, THOMAS F. & VAN LOAN, CHARLES	14	65–04, 65F05	53	447
DAVENPORT, J. M.	5	See: ODEH, R. E., DAVENPORT, J. M. & PEARSON, N. S., Editors	52	252
DEHESA, J. S.	34	See: ALFARO, M., DEHESA, J. S., MARCELLAN, F. J., RUBIO DE FRANCIA, J. L. & VINUESA, J., Editors	53	775
DUFF, I. S., ERISMAN, A. M. & REID, J. K.	3	15–02, 65F50	52	250
EDWARDS, A. W. F.	30	01A45	53	773
ERISMAN, A. M.	3	See: DUFF, I. S., ERISMAN, A. M. & REID, J. K.	52	250
FLANNERY, BRIAN P.	6	See: PRESS, WILLIAM H., FLANNERY, BRIAN P., TEUKOLSKY, SAUL A. & VETTERLING, WILLIAM T.	52	253
FLANNERY, BRIAN P.	7	See: VETTERLING, WILLIAM T., TEUKOLSKY, SAUL A., PRESS, WILLIAM H. & FLANNERY, BRIAN P.	52	253
FLETCHER, R.	26	65–02, 65Kxx, 90Cxx	53	768
FORGÓ, FERENC	15	90–02	53	449

Author	Review Number	Classification	Vol.	Page
GALWAY, NICK	4	See: LANE, PETER, GALWAY, NICK, & ALVEY, NORMAN	52	252
GLADWELL, G. M. L.	11	34A55, 15A18, 15A99	52	717
GLOWINSKI, ROLAND, GOLUB, GENE H., MEURANT, GÉRARD A. & PÉRIAUX, JACQUES	33	65–06	53	775
GOLUB, GENE H.	3	See: GLOWINSKI, ROLAND, GOLUB, GENE H., MEURANT, GÉRARD A. & PÉRIAUX, JACQUES	53	775
GONCHARSKY, A. V.	13	See: TIKHONOV, A. N. & GONCHARSKY, A. V., Editors	53	445
GREENGARD, LESLIE	10	70–02, 70–08	52	716
GRIFFITHS, D. V.	22	See: SMITH, I. M. & GRIFFITHS, D. V.	53	763
HADJIDIMOS, A., Editor	31	65F10, 65N20	53	774
HÄMMERLIN, G. H.	17	See: BRASS, H. & HÄMMERLIN, G. H., Editors	53	451
HERRERA, ISMAEL	20	See: ALLEN, MYRON B. III, HERRERA, ISMAEL & PINDER, GEORGE F.	53	761
HORADAM, A. F.	19	See: PHILIPPOU, A. N., HORADAM, A. F. & BERGUM, G. E., Editors	53	453
JOHNSON, CLAES	1	65–01, 65M60, 65N30	52	247
KITZMILLER, C. T.	12	See: KOWALIK, J. S. & KITZMILLER, C. T., Editors	52	718
KOWALIK, J. S. & KITZMILLER, C. T., Editors	12	65–06, 68–06	52	718
LANE, PETER, GALWAY, NICK & ALVEY, NORMAN	4	62–04	52	252
LEGUILLON, D. & SANCHEZ-PALENCIA, E.	24	65–02, 65N30	53	765
MARCELLAN, F. J.	34	See: ALFARO, M., DEHESA, J. S., MARCELLAN, F. J., RUBIO DE FRANCIA, J. L. & VINUESA, J., Editors	53	775
MCKENNA, JAMES & TEMAM, ROGER, Editors	32	65–06, 68–06	53	774
MENCHI, ORNELLA	28	See: BINI, DARIO, CAPOVANI, MILVIO & MENCHI, ORNELLA	53	771
MEURANT, GÉRARD A.	33	See: GLOWINSKI, ROLAND, GOLUB, GENE H., MEURANT, GÉRARD A. & PÉRIAUX, JACQUES	53	775
MITRINOVIĆ, D. S.	16	See: BULLEN, P. S., MITRINOVIĆ, D. S. & VASIĆ, P. M.	53	450
ODEH, R. E., DAVENPORT, J. M. & PEARSON, N. S., Editors	5	62Q05, 62E15, 62F07, 62J15, 62H10	52	252
ODEN, J. TINSLEY	2	See: CAREY, GRAHAM F. & ODEN, J. TINSLEY	52	249
PAPALAMBROS, PANOS Y. & WILDE, DOUGLASS J.	27	90 01, 90B99	53	769

Author	Review Number	Classification	Vol.	Page
PEARSON, N. S.	5	See: ODEH, R. E., DAVENPORT, J. M. & PEARSON, N. S., Editors	52	252
PÉRIAUX, JACQUES	33	See: GLOWINSKI, ROLAND, GOLUB, GENE H., MEURANT, GÉRARD A. & PÉRIAUX, JACQUES	53	775
PHILIPPOU, A. N., HORADAM, A. F. & BERGUM, G. E., Editors	19	11-06, 11B37, 11B39	53	453
PINDER, GEORGE F.	20	See: ALLEN, MYRON B. III, HERRERA, ISMAEL & PINDER, GEORGE F.	53	761
PIRONNEAU, OLIVIER	21	65-02, 76-02	53	762
PRESS, WILLIAM H.	7	See: VETTERLING, WILLIAM T., TEUKOLSKY, SAUL A., PRESS, WILLIAM H. & FLANNERY, BRIAN P.	52	253
PRESS, WILLIAM H., FLANNERY, BRIAN P., TEUKOLSKY, SAUL A. & VETTERLING, WILLIAM T.	6	65-04	52	253
REID, J. K.	3	See: DUFF, I. S., ERISMAN, A. M. & REID, J. K.	52	250
RODRIGUE, GARRY, Editor	35	65-06, 68-06	53	775
RUBIO DE FRANCIA, J. L.	34	See: ALFARO, M., DEHESA, J. S., MARCELLAN, F. J., RUBIO DE FRANCIA, J. L. & VINUESA, J., Editors	53	775
SANCHEZ-PALENCIA, E.	24	See: LEGUILLON, D. & SANCHEZ-PALENCIA, E.	53	765
SEWELL, M. J.	25	49-01, 49H05	53	766
SMITH, I. M. & GRIFFITHS, D. V.	22	65-04, 65M60, 65N30	53	763
SPEKREIJSE, S. P.	23	35L65, 35L67, 65N05, 65N30, 76G15, 76H05	53	764
TEMAM, ROGER	32	See: MCKENNA, JAMES & TEMAM, ROGER, Editors	53	774
TEUKOLSKY, SAUL A.	6	See: PRESS, WILLIAM H., FLANNERY, BRIAN P., TEUKOLSKY, SAUL A. & VETTERLING, WILLIAM T.	52	253
TEUKOLSKY, SAUL A.	7	See: VETTERLING, WILLIAM T., TEUKOLSKY, SAUL A., PRESS, WILLIAM H. & FLANNERY, BRIAN P.	52	253
TIKHONOV, A. N. & GONCHARSKY, A. V., Editors	13	45-02, 45L10, 65R20	53	445
VAN LOAN, CHARLES	14	See: COLEMAN, THOMAS F. & VAN LOAN, CHARLES	53	447
VASIĆ, P. M.	16	See: BULLEN, P. S., MITRINOVIĆ, D. S. & VASIĆ, P. M.	53	450
VETTERLING, WILLIAM T.	6	See: PRESS, WILLIAM H., FLANNERY, BRIAN P., TEUKOLSKY, SAUL A. & VETTERLING, WILLIAM T.	52	253

Author	Review Number	Title	Vol.	Page
VETTERLING, WILLIAM T., TEUKOLSKY, SAUL A., PRESS, WILLIAM H. & FLANNERY, BRIAN P.	7	65–04	52	253
VINUESA, J.	34	See: ALFARO, M., DEHESA, J. S., MARCELLAN, F. J., RUBIO DE FRANCIA, J. L. & VINUESA, J., Editors	53	775
VOGEL, ANDREAS, Editor	8	65–06, 65K05, 65R20, 86–06, 86–08, 86A20	52	254
WADA, HIDEO	18	11A41, 11Y05, 11Y11	53	451
WILDE, DOUGLASS J.	27	See: PAPALAMBROS, PANOS Y. & WILDE, DOUGLASS J.	53	769
ZISSERMAN, ANDREW	29	See: BLAKE, ANDREW & ZISSERMAN, ANDREW	53	772

INDEX OF REVIEWS BY SUBJECT OF WORK REVIEWED

Author	Review Number	Title	Vol.	Page
01–XX History and Biography				
01A45 *17th Century*				
EDWARDS, A. W. F.	30	Pascal's Arithmetical Triangle	53	773
11–XX Number Theory				
11–06 *Proceedings, Conferences, etc.*				
PHILIPPOU, A. N., HORADAM, A. F. & BERGUM, G. E., Editors	19	Applications of Fibonacci Numbers	53	453
11A41 *Primes*				
WADA, HIDEO	18	Computers and Prime Factorization	53	451
11B37 *Recurrences*				
PHILIPPOU, A. N., HORADAM, A. F. & BERGUM, G. E., Editors	19	Applications of Fibonacci Numbers	53	453
11B39 *Fibonacci and Lucas Numbers and Polynomials*				
PHILIPPOU, A. N., HORADAM, A. F. & BERGUM, G. E., Editors	19	Applications of Fibonacci Numbers	53	453
11Y05 *Factorization*				
WADA, HIDEO	18	Computers and Prime Factorization	53	451
11Y11 Primality				
WADA, HIDEO	18	Computers and Prime Factorization	53	451
15–XX Linear and Multilinear Algebra; Matrix Theory (Finite and Infinite)				
15–02 *Advanced Exposition (Research Surveys, Monographs, etc.)*				
DUFF, I. S., ERISMAN, A. M. & REID, J. K.	3	Direct Methods for Sparse Matrices	52	250
15A18 *Eigenvalues, Singular Values, and Eigenvectors*				
GLADWELL, G. M. L.	11	Inverse Problems in Vibration	52	717

Author	Review Number	Title	Vol.	Page
15A99 *Miscellaneous Topics*				
GLADWELL, G. M. L.	11	Inverse Problems in Vibration	52	717
26–XX Real Functions				
26–02 *Advanced Exposition (Research Surveys, Monographs, etc.)*				
BULLEN, P. S., MITRINOVIĆ, D. S. & VASIĆ, P. M.	16	Means and Their Inequalities	53	450
26B25 *Convexity, Generalizations*				
BULLEN, P. S., MITRINOVIĆ, D. S. & VASIĆ, P. M.	16	Means and Their Inequalities	53	450
26D15 *Inequalities for Sums, Series and Integrals*				
BULLEN, P. S., MITRINOVIĆ, D. S. & VASIĆ, P. M.	16	Means and Their Inequalities	53	450
33–XX Special Functions				
33–06 *Proceedings, Conferences, etc.*				
ALFARO, M., DEHESA, J. S., MARCELLAN, F. J., RUBIO DE FRANCIA, J. L. & VINUESA, J., Editors	34	Orthogonal Polynomials and Their Applications	53	775
33A65 *Orthogonal Special Functions and Polynomials (Chebyshev, Hermite, Jacobi, Laguerre, etc.)*				
ALFARO, M., DEHESA, J. S., MARCELLAN, F. J., RUBIO DE FRANCIA, J. L. & VINUESA, J., Editors	34	Orthogonal Polynomials and Their Applications	53	775
34–XX Ordinary Differential Equations				
34A55 *Inverse Problems*				
GLADWELL, G. M. L.	11	Inverse Problems in Vibration	52	717
35–XX Partial Differential Equations				
35L65 *Conservation Laws*				
SPEKREIJSE, S. P.	23	Multigrid Solution of the Steady Euler Equations	53	764
35L67 *Shocks and Singularities*				
SPEKREIJSE, S. P.	23	Multigrid Solution of the Steady Euler Equations	53	764
41–XX Approximations and Expansions				
41–06 *Proceedings, Conferences, etc.*				
ALFARO, M., DEHESA, J. S., MARCELLAN, F. J., RUBIO DE FRANCIA, J. L. & VINUESA, J., Editors	34	Orthogonal Polynomials and Their Applications	53	775
42–XX Fourier Analysis				
42C05 *Orthogonal Functions and Polynomials, General Theory*				
ALFARO, M., DEHESA, J. S., MARCELLAN, F. J., RUBIO DE FRANCIA, J. L. & VINUESA, J., Editors	34	Orthogonal Polynomials and Their Applications	53	775

Author	Review Number	Title	Vol.	Page
45–XX Integral Equations				
45–02 *Advanced Exposition (Research Surveys, Monographs, etc.)*				
TIKHONOV, A. N. & GONCHARSKY, A. V., Editors	13	Ill-Posed Problems in the Natural Sciences	53	445
45L10 *Numerical Approximation of Solutions*				
TIKHONOV, A. N. & GONCHARSKY, A. V., Editors	13	Ill-Posed Problems in the Natural Sciences	53	445
49–XX Calculus of Variations and Optimal Control; Optimization				
49–01 *Elementary Exposition; Textbooks*				
SEWELL, M. J.	25	Maximum and Minimum Principles — A Unified Approach with Applications	53	766
49H05 *Variational Principles of Physics*				
SEWELL, M. J.	25	Maximum and Minimum Principles — A Unified Approach with Applications	53	766
62–XX Statistics				
62–04 *Explicit Machine Computation and Programs*				
LANE, PETER, GALWAY, NICK & ALVEY, NORMAN	4	Genstat 5 – An Introduction	52	252
62E15 *Exact Distribution Theory*				
ODEH, R. E., DAVENPORT, J. M. & PEARSON, N. S., Editors	5	Selected Tables in Mathematical Statistics, Vol. 11	52	252
62F07 *Ranking and Selection*				
ODEH, R. E., DAVENPORT, J. M. & PEARSON, N. S., Editors	5	Selected Tables in Mathematical Statistics, Vol. 11	52	252
62H10 *Systems of Equations*				
ODEH, R. E., DAVENPORT, J. M. & PEARSON, N. S., Editors	5	Selected Tables in Mathematical Statistics, Vol. 11	52	252
62J15 *Paired and Multiple Comparisons*				
ODEH, R. E., DAVENPORT, J. M. & PEARSON, N. S., Editors	5	Selected Tables in Mathematical Statistics, Vol. 11	52	252
62Q05 *Statistical Tables*				
ODEH, R. E., DAVENPORT, J. M. & PEARSON, N. S., Editors	5	Selected Tables in Mathematical Statistics, Vol. 11	52	252
65–XX Numerical Analysis				
65–01 *Elementary Exposition; Textbooks*				
ALLEN, MYRON B. III, HERRERA, ISMAEL & PINDER, GEORGE F.	20	Numerical Modeling in Science and Engineering	53	761
BINI, DARIO, CAPOVANI, MILVIO & MENCHI, ORNELLA	28	Metodi Numerici per l'Algebra Lineare	53	771
JOHNSON, CLAES	1	Numerical Solution of Partial Differential Equations by the Finite Element Method	52	247
65–02 *Advanced Exposition (Research Surveys, Monographs, etc.)*				
FLETCHER, R.	26	Practical Methods of Optimization	53	768
LEGUILLON, D. & SANCHEZ-PALENCIA, E.	24	Computation of Singular Solutions in Elliptic Problems and Elasticity	53	765

Author	Review Number	Title	Vol.	Page
PIRONNEAU, OLIVIER	21	Méthodes des Éléments Finis pour les Fluides	53	762
65–04 *Explicit Machine Computation and Programs*				
COLEMAN, THOMAS F. & VAN LOAN, CHARLES	14	Handbook for Matrix Computations	53	447
PRESS, WILLIAM H., FLANNERY, BRIAN P., TEUKOLSKY, SAUL A. & VETTERLING, WILLIAM T.	6	Numerical Recipes in *C*—The Art of Scientific Computing	52	253
SMITH, I. M. & GRIFFITHS, D. V.	22	Programming the Finite Element Method	53	763
VETTERLING, WILLIAM T., TEUKOLSKY, SAUL A., PRESS, WILLIAM H. & FLANNERY, BRIAN P.	7	Numerical Recipes Example Book (*C*)	52	253
65–06 *Proceedings, Conferences, etc.*				
BRASS, H. & HÄMMERLIN, G. H., Editors	17	Numerical Integration III	53	451
GLOWINSKI, ROLAND, GOLUB, GENE H., MEURANT, GÉRARD A. & PÉRIAUX, JACQUES	33	First International Symposium on Domain Decomposition Methods for Partial Differential Equations	53	775
KOWALIK, J. S. & KITZMILLER, C. T., Editors	12	Coupling Symbolic and Numerical Computing in Expert Systems, II	52	718
MCKENNA, JAMES & TEMAM, ROGER, Editors	32	ICIAM '87: Proceedings of the First International Conference on Industrial and Applied Mathematics	53	774
RODRIGUE, GARRY, Editor	35	Parallel Processing for Scientific Computing	53	775
VOGEL, ANDREAS, Editor	8	Model Optimization in Exploration Geophysics	52	254
65D07 *Splines*				
BLAKE, ANDREW & ZISSERMAN, ANDREW	29	Visual Reconstruction	53	772
65D10 *Smoothing, Curve Fitting*				
BLAKE, ANDREW & ZISSERMAN, ANDREW	29	Visual Reconstruction	53	772
65D30 *Numerical Integration*				
BRASS, H. & HÄMMERLIN, G. H., Editors	17	Numerical Integration III	53	451
65D32 *Quadrature and Cubature Formulas*				
BRASS, H. & HÄMMERLIN, G. H., Editors	17	Numerical Integration III	53	451
65Fxx Numerical Linear Algebra				
BINI, DARIO, CAPOVANI, MILVIO & MENCHI, ORNELLA	28	Metodi Numerici per l'Algebra Lineare	53	771
65F05 *Direct Methods for Linear Systems and Matrix Inversion*				
COLEMAN, THOMAS F. & VAN LOAN, CHARLES	14	Handbook for Matrix Computations	53	447
65F10 *Iterative Methods for Linear Systems*				
HADJIDIMOS, A., Editor	31	Iterative Methods for the Solution of Linear Systems	53	774

Author	Review Number	Title	Vol.	Page
65F50 *Sparse Matrices*				
DUFF, I. S., ERISMAN, A. M. & REID, J. K.	3	Direct Methods for Sparse Matrices	52	250
65Kxx *Mathematical Programming, Optimization and Variational Techniques*				
FLETCHER, R.	26	Practical Methods of Optimization	53	768
65K05 *Mathematical Programming*				
VOGEL, ANDREAS, Editor	8	Model Optimization in Exploration Geophysics	52	254
65Mxx *Partial Differential Equations, Initial Value Problems*				
ALLEN, MYRON B. III, HERRERA, ISMAEL & PINDER, GEORGE F.	20	Numerical Modeling in Science and Engineering	53	761
65M60 *Finite Elements, Rayleigh-Ritz and Galerkin Methods, Finite Methods*				
CAREY, GRAHAM F. & ODEN, J. TINSLEY	2	Finite Elements: Fluid Mechanics	52	249
JOHNSON, CLAES	1	Numerical Solution of Partial Differential Equations by the Finite Element Method	52	247
SMITH, I. M. & GRIFFITHS, D. V.	22	Programming the Finite Element Method	53	763
65Nxx *Partial Differential Equations, Boundary Value Problems*				
ALLEN, MYRON B. III, HERRERA, ISMAEL & PINDER, GEORGE F.	20	Numerical Modeling in Science and Engineering	53	761
65N05 *Derivation of Finite Difference Approximations*				
SPEKREIJSE, S. P.	23	Multigrid Solution of the Steady Euler Equations	53	764
65N20 *Solution of Difference Equations*				
HADJIDIMOS, A., Editor	31	Iterative Methods for the Solution of Linear Systems	53	774
65N30 *Finite Elements, Rayleigh-Ritz and Galerkin Methods, Finite Methods*				
CAREY, GRAHAM F. & ODEN, J. TINSLEY	2	Finite Elements: Fluid Mechanics	52	249
JOHNSON, CLAES	1	Numerical Solution of Partial Differential Equations by the Finite Element Method	52	247
LEGUILLON, D. & SANCHEZ-PALENCIA, E.	24	Computation of Singular Solutions in Elliptic Problems and Elasticity	53	765
SPEKREIJSE, S. P.	23	Multigrid Solution of the Steady Euler Equations	53	764
SMITH, I. M. & GRIFFITHS, D. V.	22	Programming the Finite Element Method	53	763
65R20 *Integral Equations*				
TIKHONOV, A. N. & GONCHARSKY, A. V., Editors	13	Ill-Posed Problems in the Natural Sciences	53	445
VOGEL, ANDREAS, Editor	8	Model Optimization in Exploration Geophysics	52	254
68–XX Computer Science				
68–06 *Proceedings, Conferences, etc.*				
KOWALIK, J. S. & KITZMILLER, C. T., Editors	12	Coupling Symbolic and Numerical Computing in Expert Systems, II	52	718

Author	Review Number	Title	Vol.	Page
McKenna, James & Temam, Roger, Editors	32	ICIAM '87: Proceedings of the First International Conference on Industrial and Applied Mathematics	53	774
Rodrigue, Garry, Editor	35	Parallel Processing for Scientific Computing	53	775
68T99 *None of the Above, but in This Section*				
Blake, Andrew & Zisserman, Andrew	29	Visual Reconstruction	53	772
70–XX Mechanics of Particles and Systems				
70–02 *Advanced Exposition (Research Surveys, Monographs, etc.)*				
Greengard, Leslie	10	The Rapid Evaluation of Potential Fields in Particle Systems	52	716
70–08 *Computational Methods*				
Greengard, Leslie	10	The Rapid Evaluation of Potential Fields in Particle Systems	52	716
73–XX Mechanics of Solids				
73–02 *Advanced Exposition (Research Surveys, Monographs, etc.)*				
Ciarlet, Philippe G.	9	Mathematical Elasticity, Volume 1: Three-Dimensional Elasticity	52	715
73C50 *Nonlinear Elasticity*				
Ciarlet, Philippe G.	9	Mathematical Elasticity, Volume 1: Three-Dimensional Elasticity	52	715
76–XX Fluid Mechanics				
76–02 *Advanced Exposition (Research Surveys, Monographs, etc.)*				
Pironneau, Olivier	21	Méthodes des Éléments Finis pour les Fluides	53	762
76D05 *Navier-Stokes Equations*				
Carey, Graham F. & Oden, J. Tinsley	2	Finite Elements: Fluid Mechanics	52	249
76D07 *Stokes Flows*				
Carey, Graham F. & Oden, J. Tinsley	2	Finite Elements: Fluid Mechanics	52	249
76G15 *Iterative Methods*				
Spekreijse, S. P.	23	Multigrid Solution of the Steady Euler Equations	53	764
76H05 *Transonic Flows, Limit Lines*				
Spekreijse, S. P.	23	Multigrid Solution of the Steady Euler Equations	53	764
86–XX Geophysics				
86–06 *Proceedings, Conferences, etc.*				
Vogel, Andreas, Editor	8	Model Optimization in Exploration Geophysics	52	254
86–08 *Computational Methods*				
Vogel, Andreas, Editor	8	Model Optimization in Exploration Geophysics	52	254
86A20 *Potentials, Prospecting*				
Vogel, Andreas, Editor	8	Model Optimization in Exploration Geophysics	52	254

Author		Title	Vol.	Issue
90–XX Economics, Operations Research, Programming, Games				
90–01 *Elementary Exposition; Textbooks*				
PAPALAMBROS, PANOS Y. & WILDE, DOUGLASS J.	27	Principles of Optimal Design—Modeling and Computation	53	769
90–02 *Advanced Exposition (Research Surveys, Monographs, etc.)*				
FORGÓ, FERENC	15	Nonconvex Programming	53	449
90B99 *None of the Above, but in This Section*				
PAPALAMBROS, PANOS Y. & WILDE, DOUGLASS J.	27	Principles of Optimal Design—Modeling and Computation	53	769
90Cxx *Mathematical Programming*				
FLETCHER, R.	26	Practical Methods of Optimization	53	768

INDEX OF SUPPLEMENTS

Author	Title	Vol.	Issue
BALES, LAURENCE A. & DOUGALIS, VASSILIOS A.	Supplement to "Cosine Methods for Nonlinear Second-Order Hyperbolic Equations"	52	April
BOYD, DAVID W.	Supplement to "Reciprocal Polynomials Having Small Measure. II"	53	July
BRENT, RICHARD P. & COHEN, GRAEME L.	Supplement to "A New Lower Bound for Odd Perfect Numbers"	53	July
BUCHMANN, JOHANNES & PËTHO, ATTILA	Supplement to "Computation of Independent Units in Number Fields by Dirichlet's Method"	52	Jan.
SWARTZ, BLAIR	Supplement to "The Second-Order Sharpening of Blurred Smooth Borders"	52	April