

VOLUME XXIV

INDEX OF PAPERS BY AUTHORS

<i>Author</i>	<i>Title</i>	<i>Page</i>
BARD, Y.	See: GREENSTADT, J. & BARD, Y.....	19
BARNHILL, ROBERT E. & NIELSON, GREGORY M.	An Error Analysis for Numerical Multiple Integration. III....	301
BARRODALE, I. & MASON, J. C.	Two Simple Algorithms for Discrete Rational Approximation.....	877
BASU, N. K.	Error Estimates for a Chebyshev Quadrature Method.....	863
BERKOWITZ, S. & GARNER, F. J.	The Calculation of Multidimensional Hermite Polynomials and Gram-Charlier Coefficients.....	537
BERLEKAMP, E. R.	Factoring Polynomials over Large Finite Fields.....	713
BEYER, W. A., METROPOLIS, N. & NEERGAARD, J. R.	Statistical Study of Digits of Some Square Roots of Integers in Various Bases.....	455
BEYER, W. A., METROPOLIS, N. & NEERGAARD, J. R.	The Generalized Serial Test Applied to Expansions of Some Irrational Square Roots in Various Bases.....	745
BJÖRCK, ÅKE & PEREYRA, VICTOR	Solution of Vandermonde Systems of Equations.....	893
BOYD, DAVID W.	Lower Bounds for the Disk Packing Constant.....	697
BRAMBLE, JAMES H. & ZLÁMAL, MILOŠ	Triangular Elements in the Finite Element Method.....	809
BRATLEY, PAUL, LUNNON FRED & MCKAY, JOHN	Amicable Numbers and Their Distribution.....	431
BRAYTON, ROBERT K., GUSTAVSON, FRED G. & WILLOUGHBY, RALPH A.	Some Results on Sparse Matrices.....	937
BROYDEN, C. G.	The Convergence of Single-Rank Quasi-Newton Methods... ..	365
BRUDNO, SIMCHA	On Generating Infinitely Many Solutions of the Diophantine Equation $A^6 + B^6 + C^6 = D^6 + E^6 + F^6$	453
BRUNNER, H.	Marginal Stability and Stabilization in the Numerical Integration of Ordinary Differential Equations.....	635
BURBEA, J.	A Procedure for Conformal Maps of Simply Connected Domains by Using the Bergman Function.....	821
CARASSO, ALFRED & PARTER, SEYMOUR V.	An Analysis of "Boundary-Value Techniques" for Parabolic Problems.....	315
CARASSO, ALFRED	A Posteriori Bounds in the Numerical Solution of Mildly Nonlinear Parabolic Equations.....	785
CARLSON, B. C.	See, ZILL, D. G. & CARLSON, B. C.....	199
COCHRAN, JAMES ALAN & HOFFSPIEGEL, JUDITH N.	Numerical Techniques for Finding ν -Zeros of Hankel Functions.....	413
CODY, W. J., PACIOREK, KATHLEEN A. & THACHER, HENRY C., JR.	Chebyshev Approximations for Dawson's Integral.....	171
CODY, W. J. & HILLSTROM, K. E.	Chebyshev Approximations for the Coulomb Phase Shift... ..	671
COHEN, HENRI	On Amicable and Sociable Numbers.....	423
DEVINE, C. J.	See: NG, E. W. & DEVINE, C. J.....	405
DIAZ, J. B. & METCALF, F. T.	On Iteration Procedures for Equations of the First Kind, $Ax = y$, and Picard's Criterion for the Existence of a Solution.....	923
DIXON, JOHN D.	Computing Irreducible Representations of Groups.....	707
FETTIS, HENRY E.	A New Method for Computing Toroidal Harmonics.....	667

<i>Author</i>	<i>Title</i>	<i>Page</i>
FRICTSCH, F. N.	On the Existence of Regions with Minimal Third Degree Integration Formulas.....	855
GALIMBERTI, G. & PEREYRA, V.	Numerical Differentiation and the Solution of Multidimensional Vandermonde Systems.....	357
GARNER, F. J.	See: BERKOWITZ, S. & GARNER, F. J.....	537
GAUTSCHL, WALTER	On the Construction of Gaussian Quadrature Rules from Modified Moments.....	245
GÖHL, GUNNAR	See: RIESEL, HANS & GÖHL, GUNNAR.....	969
GOLDFARB, DONALD	A Family of Variable-Metric Methods Derived by Variational Means.....	23
GOODRICH, R. F. & STENGER, F.	Movable Singularities and Quadrature.....	283
GOURLAY, A. R.	A Note on Trapezoidal Methods for the Solution of Initial Value Problems.....	629
GREENSTADT, J.	Variations on Variable-Metric Methods.....	1
BARD, Y.	Appendix.....	19
GREVILLE, T. N. E.	Table for Third-Degree Spline Interpolation With Equally Spaced Arguments.....	179
GUENTHER, R. B. & ROETMAN, E. L.	Some Observations on Interpolation in Higher Dimensions...	517
GUSTAVSON, FRED G.	See: BRAYTON, ROBERT K., GUSTAVSON, FRED G. & WILLOUGHBY, RALPH A.....	937
GUSTAFSON, SVEN-ÅKE	Control and Estimation of Computational Errors in the Evaluation of Interpolation Formulae and Quadrature Rules.....	847
HAGIS, PETER, JR.	Lower Bounds for Relatively Prime Amicable Numbers of Opposite Parity.....	963
HARDY, G.	See: JONES, WILLIAM B. & HARDY, G.....	547
HILLSTROM, K. E.	See: CODY, W. J. & HILLSTROM, K. E.....	671
HOFFSPIEGEL, JUDITH N.	See: COCHRAN, JAMES ALAN & HOFFSPIEGEL, JUDITH N.....	413
JONES, WILLIAM B. & HARDY, G.	Accelerating Convergence of Trigonometric Approximations.	547
JORDAN, J. H. & RABUNG, J. R.	A Conjecture of Paul Erdős Concerning Gaussian Primes....	221
JORDAN, J. H.	See: RABUNG, J. R. & JORDAN, J. H.....	737
KAHANER, DAVID K.	Chebyshev Type Quadrature Formulas.....	571
KAMBO, N. S.	Error of the Newton-Cotes and Gauss-Legendre Quadrature Formulas.....	261
KERSHAW, D.	Inequalities on the Elements of the Inverse of a Certain Tridiagonal Matrix.....	155
KETTLER, P. C.	See: SHANNO, D. F. & KETTLER, P. C.....	657
KNIGHT, C. J. & NEWBERY, A. C. R.	Trigonometric and Gaussian Quadrature.....	575
KNUTH, DONALD E.	A Note on Solid Partitions.....	955
KÖLBIG, K. S.	Complex Zeros of an Incomplete Riemann Zeta Function and of the Incomplete Gamma Function.....	679
KROGH, FRED T.	Efficient Algorithms for Polynomial Interpolation and Numerical Differentiation.....	185
LAMBERT, J. D.	Linear Multistep Methods with Mildly Varying Coefficients..	81
LARKIN, F. M.	Optimal Approximation in Hilbert Spaces with Reproducing Kernel Functions.....	911
LAVOIE, J. L. & MICHAËD, R.	Explicit Expressions for the Determinants of Certain Matrices	151
LEHMER, D. H.	Note on the Distribution of Ramanujan's Tau Function....	741
LEHMER, D. H., LEHMER, EMMA & SHANKS, DANIEL	Integer Sequences Having Prescribed Quadratic Character...	433
LEHMER, EMMA	See: LEHMER, D. H., LEHMER, EMMA & SHANKS, DANIEL....	433

<i>Author</i>	<i>Title</i>	<i>Page</i>
LEATHER, FRANK G.	Cross-Product Cubature Error Bounds.....	583
LEWIS, JAMES T.	Computation of Best One-Sided L_1 Approximation.....	529
LINZ, PETER	On the Numerical Computation of Eigenvalues and Eigen- vectors of Symmetric Integral Equations.....	905
LUKE, YUDELL L.	Further Approximations for Elliptic Integrals.....	191
LUNNON, FRED	See: BRATLEY, PAUL, LUNNON, FRED & MCKAY, JOHN.....	413
LYNESS, J. N.	The Calculation of Fourier Coefficients by the Möbius In- version of the Poisson Summation Formula. Part I. Functions whose Early Derivatives are Continuous.....	101
MAKOWSKI, ANDRZEJ	Remark on a Conjecture of Erdős on Binomial Coefficients..	705
MASON, J. C.	See: BARRODALE, I. & MASON, J. C.....	877
MCKAY, JOHN	See: BRATLEY, PAUL, LUNNON, FRED & MCKAY, JOHN.....	413
METCALF, F. T.	See: DIAZ, J. B. & METCALF, F. T.....	923
METROPOLIS, N.	See: BEYER, W. A., METROPOLIS, N. & NEERGAARD, J. R.....	455
METROPOLIS, N.	See: BEYER, W. A., METROPOLIS, N. & NEERGAARD, J. R.....	745
MICHAUD, R.	See: LAVOIE, J. L. & MICHAUD, R.....	151
NEERGAARD, J. R.	See: BEYER, W. A., METROPOLIS, N. & NEERGAARD, J. R.....	455
NEERGAARD, J. R.	See: BEYER, W. A., METROPOLIS, N. & NEERGAARD, J. R.....	745
NEWBERY, A. C. R.	Trigonometric Interpolation and Curve-Fitting.....	869
NEWBERY, A. C. R.	See: KNIGHT, C. J. & NEWBERY, A. C. R.....	575
NEWMAN, MORRIS	A Table of the First Factor for Prime Cyclotomic Fields ...	215
NG, E. W. & DEVINE, C. J.	On the Computation of Debye Functions of Integer Orders...	405
NIELSON, GREGORY M.	See: BARNHILL, ROBERT E. & NIELSON, GREGORY M.....	301
NINOMIYA, ICHIZO	Generalized Rational Chebyshev Approximation.....	159
NINOMIYA, ICHIZO	Best Rational Starting Approximations and Improved New- ton Iteration for the Square Root.....	391
PACIOREK, KATHLEEN A.	See: CODY, W. J., PACIOREK, KATHLEEN A. & THACHER, HENRY C., JR.....	171
PARTER, SEYMOUR V.	See: CARASSO, ALFRED & PARTER, SEYMOUR V.....	315
PEREYRA, VICTOR	Highly Accurate Numerical Solution of Casilinear Elliptic Boundary-Value Problems in n Dimensions.....	771
PEREYRA, V.	See: BJÖRCK, ÅKE & PEREYRA, VICTOR.....	893
PEREYRA, V.	See: GALIMBERTI, G. & PEREYRA, V.....	357
PEXTON, ROBERT L.	Computer Investigation of Coulomb Wave Functions.....	409
PHILLIPS, DAVID L.	Generalized Logarithmic Error and Newton's Method for the m th Root.....	383
PREISER, STANLEY	See: RUBIN, EPHRAIM L. & PREISER, STANLEY.....	57
RABINOWITZ, PHILIP & RICHTER, NIRA	New Error Coefficients for Estimating Quadrature Errors for Analytic Functions.....	561
RABINOWITZ, PHILIP & RICHTER, NIRA	Asymptotic Properties of Minimal Integration Rules.....	593
RABINOWITZ, PHILIP & RICHTER, NIRA	Chebyshev-Type Integration Rules of Minimum Norm.....	831
RABUNG, J. R.	See: JORDAN, J. H. & RABUNG, J. R.....	221
RABUNG, J. R. & JORDAN, J. H.	Consecutive Power Residues or Nonresidues.....	737
RICHTER, NIRA	See: RABINOWITZ, PHILIP & RICHTER, NIRA.....	561
RICHTER, NIRA	See: RABINOWITZ, PHILIP & RICHTER, NIRA.....	593
RICHTER, NIRA	See: RABINOWITZ, PHILIP & RICHTER, NIRA.....	831
RIESEL, HANS & GÖHL, GUNNAR	Some Calculations Related to Riemann's Prime Number Formula.....	969
ROETMAN, E. L.	See: GUENTHER, R. B. & ROETMAN, E. L.....	517
RUBIN, EPHRAIM L. & PREISER, STANLEY	Three-Dimensional Second-Order Accurate Difference Schemes for Discontinuous Hydrodynamic Flows.....	57
SAG, T. W.	Chebyshev Iteration Methods for Integral Equations of the Second Kind.....	341

<i>Author</i>	<i>Title</i>	<i>Page</i>
SCHLEGEL, P.	The Explicit Inverse of a Tridiagonal Matrix.....	665
SCHUBERT, L. K.	Modification of a Quasi-Newton Method for Nonlinear Equations with a Sparse Jacobian.....	27
SCHULTZ, MARTIN H.	Elliptic Spline Functions and the Rayleigh-Ritz-Galerkin Method.....	65
SCHULTZ, MARTIN H.	Error Bounds for Polynomial Spline Interpolation.....	507
SHAMPINE, L. F. & THOMPSON, R. J.	Difference Methods for Nonlinear First-Order Hyperbolic Systems of Equations.....	45
SHANKS, DANIEL	See: LEHMER, D. H., LEHMER, EMMA & SHANKS, DANIEL....	433
SHANNO, D. F.	Conditioning of Quasi-Newton Methods for Function Minimization.....	647
SHANNO, D. F. & KETTLER, P. C.	Optimal Conditioning of Quasi-Newton Methods.....	657
SILVESTER, P.	Symmetric Quadrature Formulae for Simplexes.....	95
SOLOMON, ALAN & SOLOMON, FAIZA	The Initial-Value Problem for the Equation $(tu_i)_t = u_{zz}$	611
SOLOMON, FAIZA	See: SOLOMON, ALAN & SOLOMON, FAIZA.....	611
STENGER, F.	See: GOODRICH, R. F. & STENGER, F.....	283
THACHER, HENRY C., JR.	See: CODY, W. J., PACIOREK, KATHLEEN A. & THACHER, HENRY C., JR.....	171
THOMPSON, R. J.	See: SHAMPINE, L. F. & THOMPSON, R. J.....	45
TØDENES, ØYSTEIN	On the Numerical Solution of the Diffusion Equation.....	621
VAILLANCOURT, RÉMI	On the Stability of Friedrichs' Scheme and the Modified Lax-Wendroff Scheme.....	767
VARAH, J. M.	Maximum Norm Stability of Difference Approximations to the Mixed Initial Boundary-Value Problem for the Heat Equation.....	31
VARAH, J. M.	Computing Invariant Subspaces of a General Matrix when the Eigensystem is Poorly Conditioned.....	137
WILLOUGHBY, RALPH A.	See: BRAYTON, ROBERT K., GUSTAVSON, FRED G. & WIL- LOUGHBY, RALPH A.....	937
WILSON, M. WAYNE	Discrete Least Squares and Quadrature Formulas.....	271
WINSLOW, LEON	"Best" Interpolation, Differentiation, and Integration Ap- proximations on the Hardy Space H^2	523
YOUNG, DAVID M.	Convergence Properties of the Symmetric and Unsymmetric Successive Overrelaxation Methods and Related Methods..	793
ZILL, D. G. & CARLSON, B. C.	Symmetric Elliptic Integrals of the Third Kind.....	199
ZLÁMAL, MILOŠ	See: BRAMBLE, JAMES H. & ZLÁMAL, MILOŠ.....	809

SUBJECT CLASSIFICATION SYSTEM FOR INDEX OF REVIEWS

The following subject classification system is used for the yearly index of reviews. Individual reviews in the quarterly issues are assigned index classification numbers in simplified form (see MOC, vol. 22, no. 101).

- 1.00 Biography and Bibliography (History)**
- 2.00 Selected Topics in Numerical Analysis**
 - 2.05 *Approximation Theory*
 - 2.05.1 *Least Squares, Curve Fitting, Harmonic Analysis*
 - 2.05.2 *Chebyshev (Best) Approximation*
 - 2.05.3 *Interpolation, Extrapolation*
 - 2.05.4 *Inverse Interpolation*
 - 2.05.5 *Rational Approximation*
 - 2.10 *Numerical Integration*
 - 2.10.1 *One-Dimensional*
 - 2.10.2 *Multi-Dimensional*
 - 2.10.3 *Monte Carlo*
 - 2.15 *Numerical Differentiation*
 - 2.20 *Roots of Equations*
 - 2.25 *Evaluation of Series*
 - 2.30 *Continued Fractions*
 - 2.35 *Iteration Methods, Acceleration Techniques*
 - 2.40 *Differences, Divided Differences*
 - 2.45 *Algorithms, General Theory*
 - 2.50 *Inequalities*
 - 2.55 *Stability of Computation, Significance Arithmetic*
- 3.00 Linear Algebra**
 - 3.05 *Matrices*
 - 3.10 *Linear Equations*
 - 3.10.1 *Error Analysis*
 - 3.15 *Eigenvalues and Eigenvectors*
 - 3.15.1 *Error Analysis*
 - 3.20 *Matrix Inversion and Pseudo-Inverses*
 - 3.20.1 *Error Analysis*
 - 3.25 *Linear and Nonlinear Programming, Theory of Games*
 - 3.25.1 *Error Analysis*
 - 3.30 *Determinants*
- 4.00 Ordinary Differential Equations**
 - 4.05 *Initial Value Problems*
 - 4.05.1 *Analytic Methods*
 - 4.05.1.1 *Error Analysis*
 - 4.05.2 *One-Step Methods*
 - 4.05.2.1 *Error Analysis*
 - 4.05.3 *Multistep Methods*
 - 4.05.3.1 *Error Analysis*
 - 4.10 *Linear Boundary Value and Eigenvalue Problems*
 - 4.10.1 *Analytic Methods*
 - 4.10.1.1 *Error Analysis*

- 4.10.2 *Initial Value (Trial and Error or Shooting) Methods*
 - 4.10.2.1 *Error Analysis*
- 4.10.3 *Finite Difference (Nonshooting) Methods*
 - 4.10.3.1 *Error Analysis*
- 4.15 *Nonlinear Boundary Value and Eigenvalue Problems*
 - 4.15.1 *Analytic Methods*
 - 4.15.1.1 *Error Analysis*
 - 4.15.2 *Initial Value (Trial and Error or Shooting) Methods*
 - 4.15.2.1 *Error Analysis*
 - 4.15.3 *Finite Difference (Nonshooting) Methods*
 - 4.15.3.1 *Error Analysis*
- 5.00 **Partial Differential Equations**
 - 5.05 *Initial Value Problems*
 - 5.05.1 *Analytic Methods*
 - 5.05.1.1 *Error Analysis*
 - 5.05.2 *Explicit Difference Methods*
 - 5.05.2.1 *Error Analysis*
 - 5.05.3 *Implicit Difference Methods, Iterative Schemes*
 - 5.05.3.1 *Error Analysis*
 - 5.05.4 *Other Approximation Methods*
 - 5.05.4.1 *Error Analysis*
 - 5.10 *Boundary Value Problems*
 - 5.10.1 *Analytic Methods*
 - 5.10.1.1 *Error Analysis*
 - 5.10.2 *Finite Difference Methods, Iterative Schemes*
 - 5.10.2.1 *Error Analysis*
 - 5.10.3 *Other Approximation Methods*
 - 5.10.3.1 *Error Analysis*
 - 5.15 *Eigenvalue Problems*
 - 5.15.1 *Analytic Methods*
 - 5.15.1.1 *Error Analysis*
 - 5.15.2 *Finite Difference Methods, Iterative Schemes*
 - 5.15.2.1 *Error Analysis*
 - 5.15.3 *Other Approximation Methods*
 - 5.15.3.1 *Error Analysis*
 - 5.20 *Mixed Initial and Boundary Value Problems*
 - 5.20.1 *Analytic Methods*
 - 5.20.1.1 *Error Analysis*
 - 5.20.2 *Explicit Difference Methods*
 - 5.20.2.1 *Error Analysis*
 - 5.20.3 *Implicit Difference Methods, Iterative Schemes*
 - 5.20.3.1 *Error Analysis*
 - 5.20.4 *Other Approximation Methods*
 - 5.20.4.1 *Error Analysis*
- 6.00 **Other Functional Equations**
 - 6.05 *Difference Equations*
 - 6.10 *Difference-Differential Equations*
 - 6.15 *Integral Equations*
 - 6.20 *Integro-Differential Equations*
 - 6.25 *Convolution Equations*
 - 6.30 *Variational Equations*
 - 6.35 *Abstract Operator Equations*
- 7.00 **Special Functions**
 - 7.05 *Mathematical Constants, Special Polynomials (nonorthogonal) and Numbers: Bernoulli, Euler, Stirling, Binomial Coefficients; Factorials*

- 7.10 *Elementary Functions, Powers and Roots*
- 7.15 *Gamma Functions, Psi Functions, Zeta Functions and Related Functions*
- 7.20 *Incomplete Gamma Functions*
 - 7.20.1 *Exponential Integral, Cosine and Sine Integrals and Related Functions*
 - 7.20.2 *Error Functions, Fresnel Integrals and Related Functions*
- 7.25 *Confluent Hypergeometric Functions*
 - 7.25.1 *Parabolic Cylinder Functions*
 - 7.25.2 *Coulomb Wave Functions*
- 7.30 *Bessel Functions*
- 7.35 *Lommel Functions, Struve Functions, Anger-Weber Functions and Associated Bessel Functions*
- 7.40 *Legendre Functions*
- 7.45 *Gaussian Hypergeometric Functions*
- 7.50 *Orthogonal Polynomials and Functions*
- 7.55 *Expansions in Series of Orthogonal Polynomials, Bessel Functions, Other Functions*
- 7.60 *Elliptic Integrals and Functions, Weierstrass Elliptic Integrals, Related Functions*
- 7.65 *Mathieu Functions*
- 7.70 *Spheroidal Wave Functions. Other Wave Functions*
- 7.75 *Generalized Hypergeometric Functions of a Single Variable*
- 7.80 *Generalized Hypergeometric Functions of More than One Variable*
- 7.85 *Basic Hypergeometric Functions*
- 7.90 *Integral Transforms*
- 7.95 *Numerical Tables of Integrals and Transforms*
- 7.100 *Numerical Tables of Infinite Series*
- 7.105 *Handbooks of Mathematical Tables and Formulae*
- 8.00 Probability and Statistics**
 - 8.05 *Random Numbers*
 - 8.05.1 *Tables*
 - 8.10 *Monte Carlo, Markov Chains*
 - 8.15 *Multivariate Analysis*
 - 8.20 *Regression Analysis*
 - 8.25 *Analysis of Variance*
 - 8.30 *Time Series Analysis*
 - 8.35 *Nonparametric Analysis*
 - 8.40 *Sequential Analysis*
 - 8.45 *Classical Statistics*
 - 8.50 *Handbooks of Tables and Formulae*
- 9.00 Number Theory**
 - 9.05 *Mersenne, Fermat, Perfect, and Related Numbers*
 - 9.10 *Number Theoretic Functions and Tables*
 - 9.15 *Binomial Congruences, Primitive Roots, Residues, etc.*
 - 9.20 *Primes and their Distribution*
 - 9.25 *Factorization*
 - 9.30 *Forms and Diophantine Equations*
 - 9.35 *Continued Fractions and Diophantine Approximation*
 - 9.40 *Normal Numbers and Distribution of Digits*
 - 9.45 *Modular Computation*
- 10.00 Algebra and Combinatorial Theory**
 - 10.05 *Groups, Rings, Fields, Algebras*
 - 10.10 *Finite Fields*
 - 10.15 *Irreducible Polynomials*
 - 10.20 *Arrays, Latin Squares*
 - 10.25 *Projective Planes, Block Designs, Difference Sets*

- 10.30 *Permutations, Combinatorial Identities*
- 10.35 *Graph Theory*
- 11.00 **Geometry**
 - 11.05 *Coordinate Conversion Tables*
 - 11.10 *Polyhedra and Polytopes*
 - 11.15 *Graph Theory*
- 12.00 **Computers and Other Aids to Computation**
 - 12.05 *Digital Computers*
 - 12.05.1 *Coding, Programming and Software*
 - 12.05.2 *Design and Hardware*
 - 12.10 *Analog Computers*
 - 12.10.1 *Design and Hardware*
 - 12.15 *Digital-Analog (Hybrid) Computers*
 - 12.15.1 *Coding, Programming and Software*
 - 12.15.2 *Design and Hardware*
 - 12.20 *Mechanical Aids to Computation—Slide Rules, Desk Calculators, Others*
 - 12.25 *Nomographs*
- 13.00 **Applications**
 - 13.05 *Physical and Chemical Sciences*
 - 13.05.1 *Weights and Measures Tables*
 - 13.10 *Astronomy, Astrophysics*
 - 13.10.1 *Navigation Tables*
 - 13.15 *Engineering Sciences*
 - 13.15.1 *Engineering Tables*
 - 13.20 *Earth Sciences, Atmospheric Sciences*
 - 13.20.1 *Triangulation and Geodetic Tables*
 - 13.25 *Biology and the Behavioral Sciences*
 - 13.30 *Economics and the Social Sciences*
 - 13.35 *Information Theory, Automata, Logic Control Theory, Dynamic Programming, Cybernetics*
 - 13.40 *Management Problems, Data Analysis and Processing*
 - 13.45 *Actuarial Science*
 - 13.45.1 *Actuarial and Financial Tables*
 - 13.50 *Humanities, Linguistics*
- 14.00 **Miscellaneous**
 - 14.05 *Mathematical Research, Mathematical Education*

INDEX OF REVIEWS BY AUTHOR OF WORK REVIEWED

<i>Author</i>	<i>Review Number</i>	<i>Classification</i>	<i>Page</i>
AMS TRANSLATIONS	52	(2.05.1), (2.05.2), (2.05.5)	571
ARBIB, MICHAEL A.	62	(13.35)	760
BERGER, BRUCE S., DANSON, ROBERT & CARPENTER, ROBERT	2	(2.10.1)	225
BERGER, B. S. & McALLISTER, H.	34	(7.30)	488
BHAT, U. NARAYAN & SAHIN, IZZET	77	(8.00)	994
BISHOP, DAVID M.	25	(2.10), (7.30)	479
BLAIR, J. M.	74	See: RUSSON, ANNE E. & BLAIR, J. M.	992
BLANCH, G. & CLEMM, D. S.	58	(7.65)	757

<i>Author</i>	<i>Review Number</i>	<i>Classification</i>	<i>Page</i>
BOUWKAMP, C. J., DUIJVESTIJN, A. J. W. & MEDEMA, P.	80	(10.35)	995
BRAUER, FRED & NOHEL, JOHN A.	32	(4.10), (13.05)	486
BRITNEY, ROBERT R. & WINKLER, ROBERT L.	78	(8.00)	995
BUCHHOLZ, HERBERT	63	(1.00), (7.25), (7.30), (7.45), (7.50), (7.90)	985
CARNAHAN, BRICE, LUTHER, H. A. & WILKES, JAMES O.	51	(2.00), (3.00), (4.00), (8.00), (13.00)	750
CARPENTER, ROBERT	2	See: BERGER, BRUCE S., DANSON, ROBERT & CARPENTER, ROBERT	225
CASLIN, JAMES C.	13	See: FETTIS, HENRY E. & CASLIN, JAMES C.	233
CASLIN, JAMES C.	35	See: FETTIS, HENRY E. & CASLIN, JAMES C.	489
CASLIN, JAMES C.	36	See: FETTIS, HENRY E. & CASLIN, JAMES C.	489
CASLIN, JAMES C.	70	See: FETTIS, HENRY E. & CASLIN, JAMES C.	989
CASLIN, JAMES C.	76	See: FETTIS, HENRY E. & CASLIN, JAMES C.	993
CHAWLA, L. M. & SHAD, S. A.	38	(9.10)	490
CHISTOVA, E. A.	71	See: KARPOV, K. A. & CHISTOVA, E. A.	990
CLEMM, D. S.	58	See: BLANCH, F. & CLEMM, D. S.	757
COLLATZ, L., MEINARDUS, G. & UNGER, H.	23	(2.05), (2.10), (2.55), (4.00), (5.00), (13.05)	477
DANSON, ROBERT	2	See: BERGER, BRUCE S., DANSON, ROBERT & CARPENTER, ROBERT	225
DEKKER, T. J. & HOFFMAN, W.	29	(3.15.1), (12.05.1)	483
DHAWAN, G. K.	37	See: KUMAR, M. & DHAWAN, G. K.	490
DUIJVESTIJN, A. J. W.	80	See: BOUWKAMP, C. J., DUIJVESTIJN, A.J.W. & MEDEMA, B.	995
FETTIS, HENRY E. & CASLIN, JAMES C.	13	(7.30)	233
FETTIS, HENRY E. & CASLIN, JAMES C.	35	(7.60)	489
FETTIS, HENRY E. & CASLIN, JAMES C.	36	(7.40)	489
FETTIS, HENRY E. & CASLIN, JAMES C.	70	(7.00)	989
FETTIS, HENRY E. & CASLIN, JAMES C.	76	(7.60)	993
FIKE, C. T.	21	(2.05.7)	476
FORSYTHE, GEORGE & MOLER, CLEVE B.	27	(3.05), (3.10), (3.10.1), (3.15.1) (3.20), (3.20.1), (3.30)	482
FRÖBERG, CARL-ERIC	49	(2.00), (3.00), (4.00), (5.00), (6.00), (7.00), (8.10)	749
GELLER, MURRAY	57	See: NG, EDWARD W. & GELLER, MURRAY	756
GELLER, MURRAY & NG, EDWARD W.	56	(7.20)	756
GENUYS, F., EDITOR	18	(12.05.1), (13.35)	235
GOOD, I. J., GOVER, T. N. & MITCHELL, G. J.	59	(8.00)	758
GOVER, T. N.	59	See: GOOD, I. J., GOVER, T. N. & MITCHELL, G. J.	758
GREENBERG, IRWIN	79	(8.00)	995
GREENSPAN, DONALD	33	(5.05), (5.10), (5.20)	487
GREENSPAN, H., KELBER, C. N. & OKRENT, D.	53	(2.10.3), (4.00), (5.00), (6.20), (12.05.1), (13.15)	752
GRISWOLD, R. E., POAGE, J. F. & POLONSKY, I. P.	16	(12.05.1)	234
HANSEN, E., Editor	67	(2.55)	988
HARARY, FRANK	81	(10.35)	997
HERBOLD, R. J. & ROSS, P. N.	3	(2.20), (13.00)	226
HERBOLD, R. J.	44	See: HILSEN RATH, J., ZIEGLER, G. G., MESSINA, C. G., WALSH, P. J. & HERBOLD, R. J.	497

<i>Author</i>	<i>Review Number</i>	<i>Classification</i>	<i>Page</i>
HILSENATH, J., ZIEGLER, G. G., MESSINA, C. G., WALSH, P. J. & HERBOLD, R. J.	44	(12.05.1)	497
HOFFMAN, W.	29	See: DEKKER, T. J. & HOFFMAN W.	483
HOPGOOD, F. R. A.	45	(12.05.1)	498
HOVANESSIAN, SHAHEN A.	30	See: PIPES, LOUIS A. & HOVANESSIAN, SHAHEN A.	485
HOVANESSIAN, SHAHEN A. & PIPES, LOUIS A.	50	(2.00), (3.00), (4.00), (5.00), (13.35)	749
KARPOV, K. A. & CHISTOVA, E. A.	71	(7.00)	990
KELBER, C. N.	53	See: GREENSPAN, H., KELBER, C. N. & OKRENT, D.	752
KERTIS, A. R.	73	(7.25)	992
KETTER, ROBERT L. & PRAWEL, SHERWOOD P., JR.	64	(2.00), (3.00), (4.00), (5.00), (13.00)	986
KIVIAT, P. J., VILLANEUVA, R. & MARKOWITZ, H. M.	46	(12.05.1)	499
KNUTH, DONALD E.	26	(2.30), (2.45), (8.05), (9.00), (12.00)	479
KOWALIK, J. & OSBORNE, M. R.	1	(2.05.1), (2.35)	225
KUMAR, M. & DHAWAN, G. K.	37	(7.30), (7.60)	490
KURODA, SIGEKATU	39	See: LAKEIN, RICHARD B. & KURODA, SIGEKATU	491
LAKEIN, RICHARD B. & KURODA, SIGEKATU	39	(9.10)	491
LARSON, ROBERT E.	19	(13.35)	237
LEE, ELVIN J.	40	(9.05), (9.10)	493
LEE, JOHN A. N.	17	(12.05.1)	234
LEHMER, D. H.	41	(9.10)	495
LEATHER, F. G. & WISE, G. L.	66	(2.10)	987
LUTHER, H. A.	51	See: CARNAHAN, BRICE, LUTHER, H. A. & WILKES, JAMES O.	750
MARKOWITZ, H. M.	46	See: KIVIAT, P. J., VILLANEUVA, R. & MARKOWITZ, H. M.	499
MCALLISTER, H.	34	See: BERGER, B. S. & MCALLISTER, H.	488
MEDEMA, P.	80	See: BOUWKAMP, C. J., DUIJVESTIJN, A. J. W. & MEDEMA, P.	995
MEINARDUS, G.	23	See: COLLATZ, L., MEINARDUS, G. & UNGER, H.	477
MESSINA, C. G.	44	See: HILSENATH, J., ZIEGLER, G. G., MESSINA, C. G., WALSH, P. J. & HERBOLD, R. J.	497
MIKHLIN, S. G. & SMOLITSKIY, K. L.	31	(4.00), (5.00), (6.00), (13.05), (3.15)	485
MILLER, DZH. CH. P.	72	(7.00)	991
MITCHELL, G. J.	59	See: GOOD, I. J., GOVER, T. N. & MITCHELL, G. J.	758
MITRINOVIĆ, D. S., MITRINOVIĆ, R. S. & TURAJLIĆ, S. S.	54	(2.15)	755
MITRINOVIĆ, R. S.	54	See: MITRINOVIĆ, D. S., MITRINOVIĆ, R. S. & TURAJLIĆ, S. S.	755
MOLER, CLEVE B.	27	See: FORSYTHE, GEORGE E. & MOLER, CLEVE B.	482
MUSKAT, JOSEPH B. & WHITEMAN, ALBERT L.	15	(9.10)	234

<i>Author</i>	<i>Review Number</i>	<i>Classification</i>	<i>Page</i>
NEWMAN, MORRIS	28	(3.05), (10.00)	482
NEWMAN, MORRIS	60	(9.10)	759
NG, EDWARD W.	56	See: GELLER, MURRAY & NG, EDWARD W.	756
NG, EDWARD W.	57	(7.20)	756
NIEVERGELT, JURG	61	See: SECREST, DON & NIEVERGELT, JURG	759
NOBLE, BEN	68	(3.00)	988
NOHEL, JOHN A.	32	See: BRAUER, FRED & NOHEL, JOHN A.	486
OATES, P. J.	65	See: WATSON, W. A., PHILIPSON, T. & OATES, P. J.	986
OKRENT, D.	53	See: GREENSPAN, H., KELBER, C. M. & OKRENT, D.	752
ONDREJKA, RUDOLPH	10	(7.05)	231
ONDREJKA, RUDOLPH	11	(7.05)	231
OSBORNE, M. R.	1	See: KOWALIK, J. & OSBORNE, M. R.	225
PAGUROVA, V. I.	14	(8.25)	233
PHILIPSON, T.	65	See: WATSON, W. A., PHILIPSON, T. & OATES, P. J.	986
PIESSENS, ROBERT	24	(2.10.1)	478
PIPES, LOUIS A. & HOVANESSIAN, SHAHEN A.	30	(3.05), (3.10), (3.15), (3.20)	485
PIPES, LOUIS A.	50	See: HOVANESSIAN, SHAHEN A. & PIPES, LOUIS A.	749
POAGE, J. F.	16	See: GRISWOLD, R. E., POAGE, J. F. & POLONSKY, I. P.	234
POLONSKY, I. P.	16	See: GRISWOLD, R. E., POAGE, J. F. & POLONSKY, I. P.	234
PRAWEL, SHERWOOD P., JR.	64	See: KETTER, ROBERT L. & PRAWEL, SHERWOOD P., JR.	986
RALL, LOUIS B.	4	(2.35), (6.35)	226
RIVLIN, THEODORE J.	22	(2.05), (2.05.1), (2.05.2), (2.05.3), (2.05.5)	417
ROSS, P. N.	3	See: HERBOLD, R. J. & ROSS, P. N.	226
RUSSON, ANNE E. & BLAIR, J. M.	74	(7.30)	992
RUTISHAUSER, H.	8	See: SCHWARZ, H. R., RUTISHAUSER, H. & STIEFEL, E.	229
SAHIN, IZZET	77	See: BHAT, U. NARAYAN & SAHIN, IZZET	994
SAMMET, JEAN E.	47	(2.05.1)	500
SAUER, R. & SZABÓ, I., Editors	20	(2.00), (3.00), (10.00), (11.00), (12.00), (13.05), (13.15), (13.30)	475
SCHOTT, F. W.	75	See: TAGGART, D. A. & SCHOTT, F. W.	993
SCHWARZ, H. R., RUTISHAUSER, H. & STIEFEL, E.	8	(3.10), (3.15), (3.20)	229
SECREST, DON & NIEVERGELT, JURG, Editors	61	(12.00)	759
SHAD, S. A.	38	See: CHAWLA, L. M. & SHAD, S. A.	490
SMOLITSKIY, K. L.	31	See: MIKHLIN, S. G. & SMOLITSKIY, K. L.	485
SPENCER, DONALD D.	9	(3.25)	230
SPIRA, ROBERT	43	(10.15)	497
STIEFEL, E.	8	See: SCHWARZ, H. R., RUTISHAUSER, H. & STIEFEL, E.	229
TAGGART, D. A. & SCHOTT, F. W.	75	(7.30)	993
TALMAN, JAMES D.	12	(7.00), (7.10), (7.30), (7.40), (7.45), (7.50), (7.55), (7.60), (7.70), (10.05), (11.00), (13.05), (13.15)	231
TOU, JULIUS T., Editor	5	(2.45), (12.00)	227

<i>Author</i>	<i>Review Number</i>	<i>Classification</i>	<i>Page</i>
TURAJLIĆ, S. S.	54	See: MITRINOVIĆ, D. S., MITRINOVIĆ, R. S. & TURAJLIĆ, S. S.	
TURÁN, PAUL, Editor	42	(9.00)	496
UNGER, H.	23	See: COLLATZ, L., MEINARDUS, G. & UNGER, H.	477
VIDAL, PIERRE	69	(6.05), (7.90), (13.15), (13.35)	989
VILLANEUVA, R.	46	See: KIVIAT, P. J., VILLANEUVA, R. & MARKOWITZ, H. M.	499
WALSH, P. J.	44	See: HILSEN RATH, J., ZIEGLER, G. G., MESSINA, C. G., WALSH, P. J. & HERBOLD, R. J.	497
WASAN, M. T.	55	(2.35), (8.00), (13.25), (13.35)	755
WATSON, W. A., PHILIPSON, T. & OATES, P. J.	65	(2.00), (4.00), (12.00)	986
WHITEMAN, ALBERT L.	15	See: MUSKAT, JOSEPH B. & WHITEMAN, ALBERT L.	234
WILKES, JAMES O.	51	See: CARNAHAN, BRICE, LUTHER, H. A. & WILKES, JAMES O.	750
WILKES, M. V.	48	(12.00), (12.05.1), (12.05.2)	501
WILKINSON, J. A.	7	(3.05), (3.10.1), (3.15.1), (3.20.1), (3.30)	229
WILLOUGHBY, RALPH A.	6	(3.05), (3.10), (3.15), (3.20), (3.25)	229
WINKLER, ROBERT L.	78	See: BRITNEY, ROBERT R. & WINKLER, ROBERT L.	995
WISE, G. L.	66	See: LETHER, F. G. & WISE, G. L.	987
ZIEGLER, G. G.	44	See: HILSEN RATH, J., ZIEGLER, G. G., MESSINA, C. G., WALSH, P. J. & HERBOLD, R. J.	497

INDEX OF REVIEWS BY SUBJECT OF WORK REVIEWED

<i>Author</i>	<i>Review</i>	<i>Title</i>	<i>Page</i>
1.00 Biography and Bibliography (History)			
BUCHHOLZ, HERBERT	63	The Confluent Hypergeometric Function with Special Emphasis on its Applications	985
2.00 Selected Topics in Numerical Analysis			
CARNAHAN, BRICE, LUTHER, H. A. & WILKES, JAMES O.	51	Applied Numerical Methods	750
FRÖBERG, CARL-ERIC	49	Introduction to Numerical Analysis	749
HOVANESSIAN, SHAHEN A. & PIPES, LOUIS A.	50	Digital Computer Methods in Engineering	749
KETTER, ROBERT L. & PRAWEL, SHERWOOD P., JR.	64	Modern Methods of Engineering Computation	986
SAUER, R. & SZABÓ, I., Editors	20	Mathematische Hilfsmittel des Ingenieurs. III	475
WATSON, W. A., PHILIPSON, T. & OATES, P. J.	65	Numerical Analysis—The Mathematics of Computing	986
2.05 Approximation Theory			
COLLATZ, L., MEINARDUS, G. & UNGER, H., Editors	23	Numerische Mathematik, Differentialgleichungen, Approximations- theorie	477

<i>Author</i>	<i>Review</i>	<i>Title</i>	<i>Page</i>
FIKE, C. T.	21	Computer Evaluation of Mathematical Functions	476
AMS TRANSLATIONS	52	Fourteen Papers on Series and Approximation	751
KOWALIK, J. & OSBORNE, M. R.	1	Methods for Unconstrained Optimization Problems	225
RIVLIN, THEODORE J.	22	An Introduction to the Approximation of Functions	417
<i>2.05.2 Chebyshev (Best) Approximation</i>			
AMS TRANSLATIONS	52	Fourteen Papers on Series and Approximation	751
RIVLIN, THEODORE J.	22	An Introduction to the Approximation of Functions	417
<i>2.05.3 Interpolation, Extrapolation</i>			
RIVLIN, THEODORE J.	22	An Introduction to the Approximation of Functions	417
<i>2.05.5 Rational Approximation</i>			
AMS TRANSLATIONS	52	Fourteen Papers on Series and Approximation	751
RIVLIN, THEODORE J.	22	An Introduction to the Approximation of Functions	417
<i>2.10 Numerical Integration</i>			
BISHOP, DAVID M.	25	Evaluation of Certain Integrals of Reduced Modified Bessel Functions of the Second Kind	479
COLLATZ, L., MEINARDUS, G. & UNGER, H., Editors	23	Numerische Mathematik, Differentialgleichungen, Approximationstheorie	477
LEATHER, F. G., & WISE, G. L.	66	Ralston Quadrature Constants	987
<i>2.10.1 One Dimensional</i>			
BERGER, BRUCE S., DANSON, ROBERT & CARPENTER, ROBERT	2	Tables of Zeros and Weights for Gauss-Hermite Quadrature for $N = 200, 400, 600, 800, 1000, \text{ and } 2000$	225
PIESSENS, ROBERT	24	Gaussian Quadrature Formulas for the Integration of Oscillating Functions	478
<i>2.10.3 Monte Carlo</i>			
GREENSPAN, H., KELBER, C. N., & OKRENT, D.	53	Computing Methods in Reactor Physics	752
<i>2.15 Numerical Differentiation</i>			
MITRINOVIĆ, D. S., MITRINOVIĆ, R. S. & TURAJLIĆ, S. S.	54	"A table of coefficients for numerical differentiation"	755
<i>2.20 Roots of Equations</i>			
HERBOLD, R. J. & ROSS, P. N.	3	The Roots of Certain Transcendental Equations	226
<i>2.30 Continued Fractions</i>			
KNUTH, DONALD E.	26	The Art of Computer Programming, Vol. II: Seminumerical Algorithms	479

<i>Author</i>	<i>Review</i>	<i>Title</i>	<i>Page</i>
<i>2.35 Iteration Methods, Acceleration Techniques</i>			
KOWALIK, J. & OSBORNE, M. R.	1	Methods for Unconstrained Optimization Problems	225
RALL, LOUIS B.	4	Computational Solution of Nonlinear Operator Equations	226
WASAN, M. T.	55	Stochastic Approximation	755
<i>2.45 Algorithms, General Theory</i>			
KNUTH, DONALD E.	26	The Art of Computer Programming, Vol. II: Seminumerical Algorithms	479
TOU, JULIUS T., Editor	5	Advances in Information Systems Science	227
<i>2.55 Stability of Computation, Significance Arithmetic</i>			
COLLATZ, L., MEINARDUS, G. & UNGER, H., Editors	23	Numerische Mathematik, Differentialgleichungen, Approximationstheorie	477
HANSEN, E., Editor	67	Topics in Interval Analysis	988
<i>3.00 Linear Algebra</i>			
CARNAHAN, BRICE, LUTHER, H. A. & WILKES, JAMES O.	51	Applied Numerical Methods	750
FRÖBERG, CARL-ERIC	49	Introduction to Numerical Analysis	749
HOVANESSIAN, SHAHEN A. & PIPES, LOUIS A.	50	Digital Computer Methods in Engineering	749
KETTER, ROBERT L. & PRAWEL, SHERWOOD P., JR.	64	Modern Methods of Engineering Computation	986
NOBLE, BEN	68	Applied Linear Algebra	988
SAUER, R. & SZABÓ, I., Editors	20	Mathematische Hilfsmittel des Ingenieurs. III	475
<i>3.05 Matrices</i>			
FORSYTHE, GEORGE E. & MOLER, CLEVE B.	27	Computer Solution of Linear Algebraic Systems	482
NEWMAN, MORRIS	28	Matrix Representations of Groups	482
PIPES, LOUIS A. & HOVANESSIAN, SHAHEN A.	30	Matrix Computer Methods in Engineering	485
WILKINSON, J. A.	7	Rundungsfehler	229
WILLOUGHBY, RALPH A., Editor	6	Proceedings of the Symposium on Sparse Matrices and Their Applications	229
<i>3.10 Linear Equations</i>			
FORSYTHE, GEORGE E. & MOLER, CLEVE B.	27	Computer Solution of Linear Algebraic Systems	482
PIPES, LOUIS A. & HOVANESSIAN, SHAHEN A.	30	Matrix Computer Methods in Engineering	485
SCHWARZ, H. R., RUTISHAUSER, H. & STIEFEL, E.	8	Numerik symmetrischer Matrizen	229
WILLOUGHBY, RALPH A., Editor	6	Proceedings of the Symposium on Sparse Matrices and Their Applications	229
<i>3.10.1 Error Analysis</i>			
FORSYTHE, GEORGE E. & MOLER, CLEVE B.	27	Computer Solution of Linear Algebraic Systems	482
WILKINSON, J. A.	7	Rundungsfehler	229

<i>Author</i>	<i>Review</i>	<i>Title</i>	<i>Page</i>
3.15 Eigenvalues and Eigenvectors			
PIPES, LOUIS A. & HOVANESSIAN, SHAHEN A.	30	Matrix Computer Methods in Engineering	485
SCHWARZ, H. R., RUTISHAUSER, H. & STIEFEL, E.	8	Numerik symmetrischer Matrizen	229
WILLOUGHBY, RALPH A., Editor	6	Proceedings of the Symposium on Sparse Matrices and Their Applications	229
3.15.1 Error Analysis			
DEKKER, T. J. & HOFFMAN, W.	29	ALGOL 60 Procedures in Numerical Algebra, Part II	483
FORSYTHE, GEORGE E. & MOLER, CLEVE B.	27	Computer Solution of Linear Algebraic Systems	482
WILKINSON, J. A.	7	Rundungsfehler	229
3.20 Matrix Inversion and Pseudo-Inverses			
FORSYTHE, GEORGE E. & MOLER, CLEVE B.	27	Computer Solution of Linear Algebraic Systems	482
PIPES, LOUIS A. & HOVANESSIAN, SHAHEN A.	30	Matrix Computer Methods in Engineering	485
SCHWARZ, H. R., RUTISHAUSER, H. & STIEFEL, E.	8	Numerik symmetrischer Matrizen	229
WILLOUGHBY, RALPH A., Editor	6	Proceedings of the Symposium on Sparse Matrices and Their Applications	229
3.20.1 Error Analysis			
FORSYTHE, GEORGE E. & MOLER, CLEVE B.	27	Computer Solution of Linear Algebraic Systems	482
WILKINSON, J. A.	7	Rundungsfehler	229
3.25 Linear and Nonlinear Programming, Theory of Games			
SPENCER, DONALD D.	9	Game Playing with Computers	230
WILLOUGHBY, RALPH A., Editor	6	Proceedings of the Symposium on Sparse Matrices and Their Applications	229
3.30 Determinants			
FORSYTHE, GEORGE E. & MOLER, CLEVE B.	27	Computer Solution of Linear Algebraic Systems	482
WILKINSON, J. A.	7	Rundungsfehler	229
4.00 Ordinary Differential Equations			
BRAUER, FRED & NOHEL, JOHN A.	32	Ordinary Differential Equations, A First Course	486
CARNAHAN, BRICE, LUTHER, H. A. & WILKES, JAMES O.	51	Applied Numerical Methods	750
COLLATZ, L., MEINARDUS, G. & UNGER, H., Editors	23	Numerische Mathematik, Differentialgleichungen, Approximations- theorie	477
FRÖBERG, CARL-ERIC	49	Introduction to Numerical Analysis	749
GREENSPAN, H., KELBER, C. N. & OKRENT, D.	53	Computing Methods in Reactor Physics	752
HOVANESSIAN, SHAHEN A. & PIPES, LOUIS A.	50	Digital Computer Methods in Engineering	749

<i>Author</i>	<i>Review</i>	<i>Title</i>	<i>Page</i>
KETTER, ROBERT L. & PRAWEL, SHERWOOD P., JR.	64	Modern Methods of Engineering Computation	986
MIKHLIN, S. G. & SMOLITSKIY, K. L.	31	Approximate Methods for Solution of Differential and Integral Equations	485
WATSON, W. A., PHILIPSON, T. & OATES, P. J.	65	Numerical Analysis—The Mathematics of Computing	986
5.00 Partial Differential Equations			
COLLATZ, L., MEINARDUS, G. & UNGER, H., Editors	23	Numerische Mathematik, Differentialgleichungen, Approximations- theorie	477
FRÖBERG, CARL-ERIC	49	Introduction to Numerical Analysis	749
GREENSPAN, H., KELBER, C. N. & OKRENT, D.	53	Computing Methods in Reactor Physics	752
HOVANESSIAN, SHAHEN A. & PIPES, LOUIS A.	50	Digital Computer Methods in Engineering	749
KETTER, ROBERT L. & PRAWEL, SHERWOOD P., JR.	64	Modern Methods of Engineering Computation	986
MIKHLIN, S. G. & SMOLITSKIY, K. L.	31	Approximate Methods for Solution of Differential and Integral Equations	485
5.05 Initial Value Problems			
GREENSPAN, DONALD	33	Lectures on the Numerical Solution of Linear, Singular, and Nonlinear Differential Equations	487
5.20 Mixed Initial and Boundary Value Problems			
GREENSPAN, DONALD	33	Lectures on the Numerical Solution of Linear, Singular, and Nonlinear Differential Equations	487
6.00 Other Functional Equations			
FRÖBERG, CARL-ERIC	49	Introduction to Numerical Analysis	749
MIKHLIN, S. G. & SMOLITSKIY, K. L.	31	Approximate Methods for Solution of Differential and Integral Equations	485
6.05 Difference Equations			
VIDAL, PIERRE	69	Non-Linear Sampled-Data Systems	989
6.20 Integro-Differential Equations			
GREENSPAN, H., KELBER, C. N. & OKRENT, D.	53	Computing Methods in Reactor Physics	752
6.35 Abstract Operator Equations			
RALL, LOUIS B.	4	Computational Solution of Nonlinear Operator Equations	226
7.00 Special Functions			
FRÖBERG, CARL-ERIC	49	Introduction to Numerical Analysis	749
TALMAN, JAMES D.	12	Special Functions, A Group Theoretic Approach	231
7.05 Mathematical Constants, Special Polynomials (Nonorthogonal) and Numbers: Bernoulli, Euler, Stirling, Binomial Coefficients; Factorials			
ONDREJKA, RUDOLPH	10	1273 Exact Factorials	231

<i>Author</i>	<i>Review</i>	<i>Title</i>	<i>Page</i>
ONDREJKA, RUDOLPH	11	Tables of Double Factorials	231
7.10 <i>Elementary Functions, Powers and Roots</i>			
TALMAN, JAMES D.	12	Special Functions, A Group Theoretic Approach	231
7.20 <i>Incomplete Gamma Functions</i>			
GELLER, MURRAY & NG, EDWARD W.	56	"A table of integrals of the exponential integral"	756
NG, EDWARD W. & GELLER, MURRAY	57	"A table of integrals of the error functions"	756
7.25 <i>Confluent Hypergeometric Functions</i>			
BUCHHOLZ, HERBERT	63	The Confluent Hypergeometric Function, with Special Emphasis on its Applications	985
KERTIS, A. R. (CURTIS, A. R.)	73	Volnovye Funktsii Kulona (A. R. Curtis, Coulomb Wave Functions)	992
MILLER, DZH. CH. P.	72	Tablitsy Funktsii Vebera (J. C. P. Miller, Tables of Weber Functions)	991
7.25.1 <i>Parabolic Cylinder Functions</i>			
KARPOV, K. A. & CHISTOVA, E. A.	71	Tablitsy Funktsii Vebera, Tom III (Tables of Weber Functions, v. III)	990
7.30 <i>Bessel Functions</i>			
BERGER, B. S. & McALLISTER, H.	34	A Table of the Modified Bessel Functions $K_n(x)$ and $I_n(x)$ to at Least 60S for $n = 0, 1$, and $x = 1, 2, \dots, 40$	488
BISHOP, DAVID M.	25	Evaluation of Certain Integrals of Reduced Modified Bessel Function of the Second Kind	479
BUCHHOLZ, HERBERT	63	The Confluent Hypergeometric Function, with Special Emphasis on its Applications	985
FETTIS, HENRY E. & CASLIN, JAMES C.	13	Table of Modified Bessel Functions	233
KUMAR, M. & DHAWAN, G. K.	37	Numerical Values of Certain Integrals Involving a Product of Two Bessel Functions	490
RUSSON, ANNE E. & BLAIR, J. M.	74	Rational Function Minimax Approximations for the Bessel Functions $K_0(x)$ and $K_1(x)$	992
TAGGART, D. A. & SCHOTT, F. W.	75	Mathematical Tables of Integrals Involving Spherical Bessel Functions	993
TALMAN, JAMES D.	12	Special Functions, A Group Theoretic Approach	231
7.35 <i>Lommel Functions, Struve Functions, Auger-Weber Functions and Associated Bessel Functions</i>			
KARPOV, K. A. & CHISTOVA, E. A.	71	Tablitsy Funktsii Vebera, Tom III (Tables of Weber Functions, v. III)	990
FETTIS, HENRY E. & CASLIN, JAMES C.	36	Tables of Toroidal Harmonics, I: Orders 0-5, All Significant Degrees	489
FETTIS, HENRY E. & CASLIN, JAMES C.	70	Tables of Toroidal Harmonics, II: Orders 5-10, All Significant Degrees	989
TALMAN, JAMES D.	12	Special Functions, A Group Theoretic Approach	231

<i>Author</i>	<i>Review</i>	<i>Title</i>	<i>Page</i>
<i>7.45 Gaussian Hypergeometric Functions</i>			
TALMAN, JAMES D.	12	Special Functions, A Group Theoretic Approach	231
BUCHHOLZ, HERBERT	63	The Confluent Hypergeometric Function, with Special Emphasis on its Applications	985
<i>7.50 Orthogonal Polynomials and Functions</i>			
TALMAN, JAMES D.	12	Special Functions, A Group Theoretic Approach	231
BUCHHOLZ, HERBERT	63	The Confluent Hypergeometric Function, with Special Emphasis on its Applications	985
<i>7.55 Expansions in Series of Orthogonal Polynomials, Bessel Functions, Other Functions</i>			
TALMAN, JAMES D.	12	Special Functions, A Group Theoretic Approach	231
<i>7.60 Elliptic Integrals and Functions, Weierstrass Elliptic Integrals, Related Functions</i>			
FETTIS, HENRY E. & CASLIN, JAMES C.	35	A 20-D Table of Jacobi's Nome and its Inverse	489
FETTIS, HENRY E. & CASLIN, JAMES C.	76	A Table of the Complete Elliptic Integral of the First Kind for Complex Values of the Modulus, Part I	993
KUMAR, M. & DHAWAN, G. K.	37	Numerical Values of Certain Integrals Involving a Product of Two Bessel Functions	490
TALMAN, JAMES D.	12	Special Functions, A Group Theoretic Approach	231
<i>7.65 Mathieu Functions</i>			
BLANCH, G. & CLEMM, D. S.	58	Mathieu's Equation for Complex Parameters, Tables of Characteristic Values	757
<i>7.70 Spheroidal Wave Functions, Other Wave Functions</i>			
TALMAN, JAMES D.	12	Special Functions, A Group Theoretic Approach	231
<i>7.90 Integral Transforms</i>			
BUCHHOLZ, HERBERT	63	The Confluent Hypergeometric Function, with Special Emphasis on its Applications	985
VIDAL, PIERRE	69	Non-Linear Sampled-Data Systems	989
<i>8.00 Probability and Statistics</i>			
BHAT, U. NARAYAN & SAHIN, IZZET	77	Transient Behavior of Queueing Systems $M/D/1$, $M/E_k/1$, $D/M/1$ and $E_k/M/1$	994
BRITNEY, ROBERT R. & WINKLER, ROBERT L.	78	Tables of n th Order Partial Moments about the Origin for the Standard Normal Distribution, $n = 1(1)6$	995
CARNAHAN, BRICE, LUTHER, H. A. & WILKES, JAMES O.	51	Applied Numerical Methods	750
GOOD, I. J., GOVER, T. N. & MITCHELL, G. J.	59	Tables of Smoothed but Almost Exact Distributions of X^2 and of the Likelihood-Ratio Statistic for the Equiprobable Multinomial Distribution	758
GREENBERG, IRWIN	79	Tables of the Compound Poisson Process with Normal Compounding	995
WASAN, M. T.	55	Stochastic Approximation	755

<i>Author</i>	<i>Review</i>	<i>Title</i>	<i>Page</i>
8.05 <i>Random Numbers</i>			
KNUTH, DONALD E.	26	The Art of Computer Programming	479
8.10 <i>Monte Carlo, Markov Chains</i>			
FRÖBERG, CARL-ERIC	49	Introduction to Numerical Analysis	749
8.25 <i>Analysis of Variance</i>			
PAGUROVA, V. I.	14	A Comparison Test for the Mean Values of Two Normal Samples	233
9.00 <i>Number Theory</i>			
KNUTH, DONALD E.	26	The Art of Computer Programming, Vol. II: Seminumerical Algorithms	479
TURÁN, PAUL, Editor	42	Number Theory and Analysis—A Collection of Papers in Honor of Edmund Landau (1877–1938)	496
9.05 <i>Mersenne, Fermat, Perfect, and Related Numbers</i>			
LEE, ELVIN J.	40	The Discovery of Amicable Numbers	493
9.10 <i>Number Theoretic Functions and Tables</i>			
CHAWLA, L. M. & SHAD, S. A.	38	“On a trio-set of partition functions and their tables”	490
LAKEIN, RICHARD B. & KURODA, SIGEKATU	39	Tables of Class Numbers $h(-p)$ for Fields $Q(\sqrt{-p})$, $p \leq 465071$	491
LEE, ELVIN J.	40	The Discovery of Amicable Numbers	493
LEHMER, D. H.	41	Tables of Ramanujan’s Function $\tau(n)$	495
MUSKAT, JOSEPH B. & WHITEMAN, ALBERT L.	15	The Cyclotomic Numbers of Order Twenty	234
NEWMAN, MORRIS	60	The Number of Partitions into Primes	759
10.00 <i>Algebra and Combinatorial Theory</i>			
NEWMAN, MORRIS	28	Matrix Representations of Groups	482
SAUER, R. & SZABÓ, I., Editors	20	Mathematische Hilfsmittel des Ingenieurs. III	475
10.05 <i>Groups, Rings, Fields, Algebras</i>			
TALMAN, JAMES D.	12	Special Functions, A Group Theoretic Approach	231
10.15 <i>Irreducible Polynomials</i>			
SPIRA, ROBERT		Cyclotomic Polynomial Generator and Tables, Version A	497
10.35 <i>Graph Theory</i>			
BOUWKAMP, C. J., DUIJVESTIJN, A. J. W. & MEDEMA, P.	80	Table of c -Nets of Orders 8 to 19, Inclusive	995
HARARY, FRANK, Editor	81	Proof Techniques in Graph Theory	997
11.00 <i>Geometry</i>			
SAUER, R. & SZABÓ, I., Editors	20	Mathematische Hilfsmittel des Ingenieurs. III	475
TALMAN, JAMES D.	12	Special Functions, A Group Theoretic Approach	231
12.00 <i>Computers and Other Aids to Computation</i>			
KNUTH, DONALD E.	26	The Art of Computer Programming, Vol. II: Seminumerical Algorithms	479

<i>Author</i>	<i>Review</i>	<i>Title</i>	<i>Page</i>
SAUER, R. & SZABÓ, I., Editors	20	Mathematische Hilfsmittel des Ingenieurs. III	475
SECREST, DON & NIEVERGELT, JURG, Editors	61	Emerging Concepts in Computer Graphics	759
TOU, JULIUS T., Editor	5	Advances in Information Systems Science, Vol. 1	227
WATSON, W. A., PHILIPSON, T. & OATES, P. J.	65	Numerical Analysis—The Mathematics of Computing	986
<i>12.05.1 Coding, Programming and Software</i>			
DEKKER, T. J. & HOFFMAN, W.	29	ALGOL 60 Procedures in Numerical Algebra, Part II	483
GENUYS, F., Editor	18	Programming Languages	235
GREENSPAN, H., KELBER, C. N. & OKRENT, D.	53	Computing Methods in Reactor Physics	752
GRISWOLD, R. E., POAGE, J. F. & POLONSKY, I. P.	16	The SNOBOL 4 Programming Language	234
HILSENATH, J., ZIEGLER, G. G., MESSINA, C. G., WALSH, P. J. & HERBOLD, R. J.	44	Omnitab, A Computer Program for Statistical and Numerical Analysis	497
HOPGOOD, F. R. A.	45	Compiling Techniques	498
KIVIAT, P. J., VILLANEUVA, R. & MARKOWITZ, H. M.	46	The SIMSCRIPT II Programming Language	499
LEE, JOHN A. N.	17	The Anatomy of a Compiler	234
SAMMET, JEAN E.	47	Programming Languages: History and Fundamentals	500
WILKES, M. V.	48	Time-Sharing Computer Systems	501
<i>12.05.2 Design and Hardware</i>			
WILKES, M. V.	48	Time-Sharing Computer Systems	501
<i>13.00 Applications</i>			
CARNAHAN, BRICE, LUTHER, H. A. & WILKES, JAMES O.	51	Applied Numerical Methods	750
HERBOLD, R. J. & ROSS, P. N.	3	The Roots of Certain Transcendental Equations	226
KETTER, ROBERT L. & PRAWEL, SHERWOOD P., JR.	64	Modern Methods of Engineering Computation	986
<i>13.05 Physical and Chemical Sciences</i>			
BRAUER, FRED & NOHEL, JOHN A.	32	Ordinary Differential Equations, A First Course	486
COLLATZ, L., MEINARDUS, G. & UNGER, H., Editors	23	Numerische Mathematik, Differentialgleichungen, Approximations- theorie	477
MIKHLIN, S. G. & SMOLITSKIY, K. L.	31	Approximate Methods for Solution of Differential and Integral Equations	485
SAUER, R. & SZABÓ, I., Editors	20	Mathematische Hilfsmittel des Ingenieurs. III	475
TALMAN, JAMES D.	12	Special Functions, A Group Theoretic Approach	231
<i>13.15 Engineering Sciences</i>			
GREENSPAN, H., KELBER, C. N. & OKRENT, D.	53	Computing Methods in Reactor Physics	752
MIKHLIN, S. G. & SMOLITSKIY, K. L.	31	Approximate Methods for Solution of Differential and Integral Equations	485

<i>Author</i>	<i>Review</i>	<i>Title</i>	<i>Page</i>
PIPES, LOUIS A. & HOVANESSIAN, SHAHEN A.	30	Matrix Computer Methods in Engineering	485
SAUER, R. & SZABÓ, I., Editors	20	Mathematische Hilfsmittel des Ingenieurs. III	475
TALMAN, JAMES D.	12	Special Functions, A Group Theoretic Approach	231
VIDAL, PIERRE	69	Non-Linear Sampled-Data Systems	989
WILLOUGHBY, RALPH A., Editor	6	Proceedings of the Symposium on Sparse Matrices and Their Applications	229
13.25 <i>Biology and the Behavioral Sciences</i>			
WASAN, M. T.	55	Stochastic Approximation	755
13.30 <i>Economics and the Social Sciences</i>			
SAUER, R. & SZABÓ, I., Editors	20	Mathematische Hilfsmittel des Ingenieurs. III	475
13.35 <i>Information Theory, Automata, Logic Control Theory, Dynamic Programming, Cybernetics</i>			
ARBIB, MICHAEL A.	62	Theories of Abstract Automata	760
GENUYS, F., Editor	18	Programming Languages	235
HOVANESSIAN, SHAHEN A. & PIPES, LOUIS A.	50	Digital Computer Methods in Engineering	749
LARSON, ROBERT E.	19	State Increment Dynamic Programming	237
VIDAL, PIERRE	69	Non-Linear Sampled-Data Systems	989
WASAN, M. T.	55	Stochastic Approximation	755

INDEX OF TABLE ERRATA

<i>No.</i>	<i>Author</i>	<i>Title</i>	<i>Page</i>
458	ABRAMOWITZ, MILTON & STEGUN, IRENE A., Editors	Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables.....	503
459	ALDIS, W. S.	"Tables for the solution of the equation $d^2y/dx^2 + (1/x)dy/dx - (1 + n^2/x^2)y = 0$ ".....	503
467	CAMBI, ENZO	"Complete elliptical integrals of complex Legendrian modulus".....	763
451	ERDÉLYI, A., MAGNUS, W., OBERHETTINGER, F. & TRICOMI, F. G.	Tables of Integral Transforms.....	239
460	ERDÉLYI, A., MAGNUS, W., OBERHETTINGER, F. & TRICOMI, F. G.	Higher Transcendental Functions, Vol. I.....	504
468	ERDÉLYI, A., MAGNUS, W., OBERHETTINGER, F. & TRICOMI, F. G.	Higher Transcendental Functions, Vol. I.....	999
450	ERDÉLYI, A., MAGNUS, W., OBERHETTINGER, F. & TRICOMI, F. G.	Higher Transcendental Functions, Vol. II.....	239
469	GLOWATZKI, ERNST	Sechsstellige Tafel der Cauer-Parameter.....	999
452	GRAY, A., MATHEWS, G. B., & MACROBERT, T. M.	A Treatise on Bessel Functions.....	240
461	GRÖBNER, W. & HOFREITER, N.	Integraltafel, Erster Teil: Unbestimmte Integrale.....	504
470	HENRICI, P.	Discrete Variable Methods in Ordinary Differential Equations.....	1000

<i>No.</i>	<i>Author</i>	<i>Title</i>	<i>Page</i>
462	KNUTH, DONALD E.	The Art of Computer Programming, Vol. II: Semi-numerical Algorithms.....	504
463	KOBER, H.	Dictionary of Conformal Representations.....	504
453	MAGNUS, W., OBERHETTINGER, F. & SONI, R. P.	Formulas and Theorems for the Special Functions of Mathematical Physics.....	240
464	MAGNUS, W., OBERHETTINGER, F. & SONI, R. P.	Formulas and Theorems for the Special Functions of Mathematical Physics.....	505
454	MIDDLETON, DAVID & JOHNSON, VIRGINIA	A Tabulation of Selected Confluent Hypergeometric Functions.....	240
465	NICHOL, C. A., SELFRIDGE, JOHN L. & MCKEE, LOWRY	A Table of Indices and Power Residues for all Primes and Prime Powers Below 2000.....	505
455	ROBERTS, G. E. & KAUFMAN, H	Table of Laplace Transforms.....	241
456	RYSHIK, I. M. & GRADSTEIN, I. S.	Summen-, Produkt- und Integral-Tafeln (Tables of Series, Products, and Integrals).....	241
457	SLATER, LUCY JOAN	Generalized Hypergeometric Functions.....	241
466	VEGA, GEORG	Ten-Place Logarithms, Including Wolfram's Tables of Natural Logarithms.....	505

INDEX OF CORRIGENDA

<i>Author</i>	<i>Title</i>	<i>Page</i>
HABER, SEYMOUR	"Stochastic Quadrature Formulas"	1001
PATTERSON, T. N. L.	"Integration Formulae Involving Derivatives"	243
RIESEL, HANS	"Some Factors of the Numbers $G_n = 6^n + 1$ and $H_n = 10^n + 1$ "	243

INDEX OF MICROFICHE SUPPLEMENTS

<i>Author</i>	<i>Title</i>	<i>MOC Issue</i>
GAUTSCHI, WALTER	Tables of Gaussian Quadrature Rules for the Calculation of Fourier Coefficients.....	April
LEATHER, FRANK G. & WISE, GERALD L.	Ralston Quadrature Constants.....	October
PIESSENS, ROBERT	Gaussian Quadrature Formulas for the Integration of Oscillating Functions.....	April