

VOLUME XXI

INDEX OF PAPERS AND TECHNICAL NOTES BY AUTHORS

Short papers and notes are marked (N) in this index

<i>Author</i>	<i>Title</i>	<i>Page</i>
ALANEN, J., ORE, O. & STEMPLE, J.	Systematic Computations on Amicable Numbers (N).....	242
AYOUB, RAYMOND G.	A Note on the Class Number of Imaginary Quadratic Fields...	442
DE BALBINE, GUY	Note on Random Permutations (N).....	710
BALLESTER, C. & PEREYRA, V.	On the Construction of Discrete Approximations to Linear Dif- ferential Expressions.....	297
BARNHILL, R. E. & WIXOM, J. A.	Quadratures with Remainders of Minimum Norm. I.....	66
BARNHILL, R. E. & WIXOM, J. A.	Quadratures with Remainders of Minimum Norm. II.....	382
BASS, L. J. & SCHUBERT, S. R.	On Finding the Disc of Minimum Radius Containing a Given Set of Points (N).....	712
BAUMERT, L. D. & FREDRICKSEN, H.	The Cyclotomic Numbers of Order Eighteen with Applications to Difference Sets.....	204
BENNETT, MORRIS M.	See: RILEY, JAMES D., BENNETT, MORRIS M. & McCORMICK, EMILY.....	12
BERGLAND, G. D.	The Fast Fourier Transform Recursive Equations for Arbitrary Length Records (N).....	236
BERGMAN, STEFAN & CHALMERS, BRUCE	A Procedure for Conformal Mapping of Triply-Connected Do- mains.....	527
BLUNDON, W. J.	See: JONES, M. F., LAL, M. & BLUNDON, W. J.....	103
BOWEN, ROBERT	The Generation of Minimal Triangle Graphs (N).....	248
BOWEN, ROBERT & FISK, STEPHEN	Generation of Triangulations of the Sphere (N).....	250
BRILLHART, JOHN & SELFRIDGE, J. L.	Some Factorizations of $2^n \pm 1$ and Related Results.....	87
BROYDEN, C. G.	Quasi-Newton Methods and Their Application to Function Min- imisation.....	368
BUCKHOLTZ, THOMAS J.	See: KNUTH, DONALD E. & BUCKHOLTZ, THOMAS J.....	663
BURGOYNE, F. D.	Practical L^p Polynomial Approximation (N).....	113
CASLIN, JAMES C.	See: FETTIS, HENRY E. & CASLIN, JAMES C.....	431
CHALMERS, BRUCE	See: BERGMAN, STEFAN & CHALMERS, BRUCE.....	527
CHARMONMAN, S.	An Efficient Algorithm for Inverting a Block-Symmetric Matrix (N).....	715
CODY, W. J. & HILLSTROM, K. E.	Chebyshev Approximations for the Natural Logarithm of the Gamma Function.....	198
CODY, W. J. & THACHER, HENRY C. JR.	Rational Chebyshev Approximations for Fermi-Dirac Integrals of Orders $-1/2$, $1/2$ and $3/2$	30
COHEN, EDWARD L.	On the Sum of the Squares of Two Consecutive Integers.....	460
COHN, HARVEY	A Numerical Study of Topological Features of Certain Hilbert Fundamental Domains.....	76
CONCUS, PAUL	Numerical Solution of the Minimal Surface Equation.....	340
COOPER, G. J.	A Class of Single-Step Methods for Systems of Nonlinear Dif- ferential Equations.....	597
DAVIS, PHILIP J.	A Construction of Nonnegative Approximate Quadratures.....	578
DAY, J. T.	A Starting Method for Solving Nonlinear Volterra Integral Equations.....	179
DELVES, L. M. & LYNESS, J. N.	A Numerical Method for Locating the Zeros of an Analytic Function.....	543

<i>Author</i>	<i>Title</i>	<i>Page</i>
DELVES, L. M.	See: LYNNESS, J. N. & DELVES, L. M.....	561
DI DONATO, A. R. & JARNAGIN, M. P.	The Efficient Calculation of the Incomplete Beta-Function Ratio for Half-Integer Values of the Parameters a, b	652
EHRMAN, JOHN R.	The Number of Prime Divisors of Certain Mersenne Numbers.	700
ELLIOTT, DAVID	Truncation Errors in Padé Approximations to Certain Func- tions: An Alternative Approach.....	398
FAIR, WYMAN G. & LUKE, YUDELL L.	Rational Approximations to the Incomplete Elliptic Integrals of the First and Second Kinds.....	418
FAIRWEATHER, G. & GOURLAY, A. R.	Some Stable Difference Approximations to a Fourth-Order Para- bolic Partial Differential Equation.....	1
FETTIS, HENRY E.	More on the Calculation of the Integral $I_n(b) = (2/\pi)$ $\times \int_0^\infty ((\sin x)/x)^n \cos bx \, dx$ (N).....	727
FETTIS, HENRY E. & CASLIN, JAMES C.	Eigenvalues and Eigenvectors of Hilbert Matrices of Order 3 through 10.....	431
FIELDS, JERRY L.	Confluent Expansions.....	189
FISK, STEPHEN	See: BOWEN, ROBERT & FISK, STEPHEN.....	250
FREDRICKSEN, H.	See: BAUMERT, L. D. & FREDRICKSEN, H.....	204
GARGANTINI, I. & HENRICI, P.	A Continued Fraction Algorithm for the Computation of Higher Transcendental Functions in the Complex Plane.....	18
GARY, JOHN	On Convergence Rates for Line Overrelaxation (N).....	220
GEAR, C. W.	The Numerical Integration of Ordinary Differential Equations.	146
GEHARDT, FRIEDRICH	Generating Pseudo-Random Numbers by Shuffling a Fibonacci- Sequence (N).....	708
GOURLAY, A. R.	See: FAIRWEATHER, G. & GOURLAY, A. R.....	1
GOURLAY, A. R. & MITCHELL, A. R.	Split Operator Methods for Hyperbolic Systems in p Space Variables.....	351
GREENSTADT, JOHN	On the Relative Efficiencies of Gradient Methods.....	360
HABER, SEYMOUR	A Modified Monte-Carlo Quadrature. II.....	388
HABER, SEYMOUR HENRICI, P.	Midpoint Quadrature Formulas (N).....	719
HILLSTROM, K. E.	See: GARGANTINI, I. & HENRICI, P.....	18
INOUE, YUJI	See: CODY, W. J. & HILLSTROM, K. E.....	198
JARNAGIN, M. P.	See: KILPATRICK, J. E., KATSURA, SHIGETOSHI & INOUE, YUJI.....	407
JONES, M. F., LAL, M. & BLUNDON, W. J.	See: DI DONATO, A. R. & JARNAGIN, M. P.....	652
KATSURA, SHIGETOSHI	See: KILPATRICK, J. E., KATSURA, SHIGETOSHI & INOUE, YUJI.....	407
KILPATRICK, J. E., KATSURA, SHIGETOSHI & INOUE, YUJI	Calculations of Integrals of Products of Bessel Functions.....	407
KNUTH, DONALD E. & BUCKHOLTZ, THOMAS J.	Computation of Tangent, Euler, and Bernoulli Numbers.....	663
KONHEIM, ALAN G. & MIRANKER, WILLARD L.	Numerical Evaluation of Wiener Integrals.....	49
KRAVITZ, SIDNEY	See: SHANKS, DANIEL & KRAVITZ, SIDNEY.....	97
KROGH, FRED T.	A Note on the Effect of Conditionally Stable Correctors (N)...	717
LAL, M.	Primes of the Form $n^4 + 1$ (N).....	245
LAL, M.	See: JONES, M. F., LAL, M. & BLUNDON, W. J.....	103
LANDER, L. J. & PARKIN, T. R.	A Counterexample to Euler's Sum of Powers Conjecture (N)...	101
LANDER, L. J. & PARKIN, T. R.	On First Appearance of Prime Differences (N).....	483
LANDER, L. J. & PARKIN, T. R.	Consecutive Primes in Arithmetic Progression (N).....	489
LANDER, L. J., PARKIN, T. R. & SELFRIDGE, J. L.	A Survey of Equal Sums of Like Powers.....	446

<i>Author</i>	<i>Title</i>	<i>Page</i>
LANGEL, R.	An Algorithm for Certain Double Sums of Polynomial Series (N)	230
LAYMAN, J. W.	Mixed Algebraic-Exponential Interpolation Using Finite Differences (N)	498
LEAR, JAMES D. & STURM, JAMES E.	An Integral Representation for the Modified Bessel Function of the Third Kind, Computable for Large, Imaginary Order (N)	496
LEAVITT, JAY A.	A Polynomial Approximation Converging in a Lens-Shaped Region (N)	491
LEWIS, H. R., JR. & STOVALL, E. J., JR.	Comments on a Floating-Point Version of Nordsieck's Scheme for the Numerical Integration of Differential Equations	157
LINIGER, WERNER	See: MIRANKER, WILLARD L. & LINIGER, WERNER	303
LUKE, YUDELL L.	See: FAIR, WYMAN G. & LUKE, YUDELL L.	418
LYNESS, J. N.	See: DELVES, L. M. & LYNESS, J. N.	543
LYNESS, J. N. & DELVES, L. M.	On Numerical Contour Integration Round a Closed Contour . . .	561
LYNESS, J. N. & NINHAM, B. W.	Numerical Quadrature and Asymptotic Expansions	162
MCCORMICK, EMILY	See: RILEY, JAMES D., BENNETT, MORRIS M. & MCCORMICK, EMILY	12
MCQUEARY, CHARLES E. & MACK, LAWRENCE R.	Bessel-Function Integrals Needed for Two Classes of Physical Problems	413
MACK, LAWRENCE R.	See: MCQUEARY, CHARLES E. & MACK, LAWRENCE R.	413
MANGAD, MOSHE	Some Limiting Values and Two Error Estimation Procedures for Power Series Approximations	423
MIRANKER, WILLARD L.	See: KONHEIM, ALAN G. & MIRANKER, WILLARD L.	49
MIRANKER, WILLARD L. & LINIGER, WERNER	Parallel Methods for the Numerical Integration of Ordinary Differential Equations	303
MITCHELL, A. R.	See: GOURLAY, A. R. & MITCHELL, A. R.	351
MOODY, WILLIAM T.	Approximations for the Psi (Digamma) Function (N)	112
MURPHY, W. D.	Numerical Analysis of Boundary Layer Problems in Ordinary Differential Equations	583
MURTY, TADEPALLI S.	See: WEIL, JOYCE, MURTY, TADEPALLI S. & RAO, DESIRAJU B.	722
NEWBERY, A. C. R.	Convergence of Successive Substitution Starting Procedures (N)	489
NEWMAN, MORRIS	Note on Partitions Modulo 5 (N)	481
NINHAM, B. W.	See: LYNESS, J. N. & NINHAM, B. W.	162
ORE, O.	See: ALANEN, J., ORE, O. & STEMPEL, J.	242
OSBORNE, M. R.	Minimising Truncation Error in Finite Difference Approximations to Ordinary Differential Equations	133
PARKIN, THOMAS R. & SHANKS, DANIEL	On the Distribution of Parity in the Partition Function	466
PARKIN, T. R.	See: LANDER, L. J. & PARKIN, T. R.	101
PARKIN, T. R.	See: LANDER, L. J. & PARKIN, T. R.	483
PARKIN, T. R.	See: LANDER, L. J. & PARKIN, T. R.	489
PARKIN, T. R.	See: LANDER, L. J., PARKIN, T. R. & SELFRIDGE, J. L.	446
PARLETT, BERESFORD	Canonical Decomposition of Hessenberg Matrices (N)	223
PEREYRA, V.	See: BALLESTER, C. & PEREYRA, V.	297
RAO, DESIRAJU B.	See: WEIL, JOYCE, MURTY, TADEPALLI S. & RAO, DESIRAJU B.	722
REICHEL, ALEX	Error Estimates in Simple Quadrature with Voigt Functions . . .	647
RILEY, JAMES D., BENNETT, MORRIS M. & MCCORMICK, EMILY	Numerical Integration of Variational Equations	12
VON ROSENBERG, DALE U.	Numerical Solution for Flux Components in Potential Flow . . .	620
SCHÖNHEIM, J.	Conversion of Modular Numbers to their Mixed Radix Representation by a Matrix Formula (N)	253
SCHUBERT, S. R.	See: BASS, L. J. & SCHUBERT, S. R.	712
SELFRRIDGE, J. L.	See: BRILLHART, JOHN & SELFRIDGE, J. L.	87

<i>Author</i>	<i>Title</i>	<i>Page</i>
SELFRIDGE, J. L.	See: LANDER, L. J., PARKIN, T. R. & SELFRIDGE, J. L.	446
SHANKS, DANIEL	Generalized Euler and Class Numbers.	689
SHANKS, DANIEL	Lal's Constant and Generalizations (N)	705
SHANKS, DANIEL & KRAVITZ, SIDNEY	On the Distribution of Mersenne Divisors (N)	97
SHANKS, DANIEL	See: PARKIN, THOMAS R. & SHANKS, DANIEL	466
SIMPSON, R. BRUCE	A Fundamental Solution for a Biharmonic Finite-Difference-Operator	321
SOLOMON, A.	A Steady State Phase Change Problem	355
SPIRA, ROBERT	Zeros of Approximate Functional Approximations	41
STEMPLE, J.	See: ALANEN, J., ORE, O. & STEMPLE, J.	242
STOVALL, E. J., JR.	See: LEWIS, H. R., JR. & STOVALL, E. J., JR.	157
STURM, JAMES E.	See: LEAR, JAMES D. & STURM, JAMES E.	496
TAIT, R.	Error Analysis of Recurrence Equations	629
THACHER, HENRY C., JR.	See: CODY, W. J. & THACHER, HENRY C., JR.	30
TUCK, E. O.	A Simple "Filon-Trapezoidal" Rule (N)	239
VERMA, ARUN	A Note on Expansions Involving Meijer's G -Functions (N)	107
VERMA, ARUN	A Note on the Summation of the Generalised Hypergeometric Functions (N)	232
WAGSTAFF, S. S., JR.	On Sequences of Integers with No 4, or No 5 Numbers in Arithmetical Progression	695
WEIL, JOYCE, MURTY, TADEPALLI S. & RAO, DESIRAJU B.	Zeros of $J_n(\lambda)Y_n(\eta\lambda) - J_n(\eta\lambda)Y_n(\lambda)$	722
WILLNER, LEOPOLD B.	An Elimination Method for Computing the Generalized Inverse (N)	227
WIMP, JET	The Asymptotic Representation of a Class of G -Functions for Large Parameter	639
WIXOM, J. A.	See: BARNHILL, R. E. & WIXOM, J. A.	66
WIXOM, J. A.	See: BARNHILL, R. E. & WIXOM, J. A.	382
WOOD, VAN E.	Chebyshev Expansions for Integrals of the Error Function (N)	494
YAMAGUTI, MASAYA	Some Remarks on the Lax-Wendroff Finite-Difference Scheme for Nonsymmetric Hyperbolic Systems	611

INDEX OF REVIEWS BY AUTHOR OF WORK REVIEWED

<i>Author</i>	<i>Review Number</i>	<i>Table Classification</i>	<i>Page</i>
AIZENSHTADT, V. S.	35	[L, X]	274
ALDER, BERNI, Editor	70	[P, S, X, Z]	511
ALEXANDER, M. J.	60	[K]	503
ANDREE, RICHARD V.	80	[X, Z]	520
ANDREW, ALEX M.	3	[I]	117
ASHWORTH, MARGARET	1	[F]	116
ASPLUND, S. O.	42	[P, X]	282
ATKIN, A. O. L.	1	[F]	116
BALLESTER, C.	77	[X]	517
BARK, L. S.	28	[K, L]	267
BARNHILL, R. E.	69	[M, X]	510
BARTON, D. E.	29	[K, X]	269
BAUMERT, L. D.	21	[F, G]	262
BELLMAN, R. E.	7	[P, Q, S, X, Z]	121
BERKELEY, EDMUND C., Editor	78	[X, Z]	518
BLUNDON, W. J.	20	[F]	262
BOBROW, DANIEL G., Editor	78	[X, Z]	518
BOL'SHEV, L. N.	28	[K, L]	267
BUCKHOLTZ, T. J.	85	[F, J]	731

<i>Author</i>	<i>Review Number</i>	<i>Table Classification</i>	<i>Page</i>
BUKHMEN, V. YE.	44	[P, X, Z]	283
BUSACKER, ROBERT G.	11	[X]	123
CASLIN, JAMES C.	25	[I, L]	264
CASLIN, JAMES C.	33	[L]	273
CASLIN, JAMES C.	34	[L, M]	274
CASLIN, JAMES C.	64	[L]	507
CASLIN, JAMES C.	65	[L]	508
CASLIN, JAMES C.	91	[L]	736
CATER, FRANK S.	58	[G, H, X]	502
CESCHINO, F.	49	[X]	287
CHANG, CH.	92	[L, X]	737
CHERENKOV, A. P.	28	[K, L]	267
CLENSHAW, C. W.	67	[L]	509
COMPUTER USAGE COMPANY, THE STAFF OF, ASCHER OPLER, Editor	82	[Z]	521
CONTE, S. D.	73	[X]	514
DAVID, F. N.	29	[K, X]	269
DENMAN, HARRY H.	47	[S, X]	286
DIEHL, L. G.	19	[F]	260
DITKIN, V. A., Editor	36	[L, X]	275
DYNKIN, E. B.	5	[K, S, X]	119
EKMAN, TORGIL	79	[X, Z]	519
FARINA, MARIO V.	83	[Z]	521
FELLINGER, ROBERT C.	40	[P, T, V]	281
FERNBACH, SIDNEY, Editor	70	[P, S, X, Z]	511
FETTIS, HENRY E.	25	[I, L]	264
FETTIS, HENRY E.	33	[L]	273
FETTIS, HENRY E.	34	[L, M]	274
FETTIS, HENRY E.	64	[L]	507
FETTIS, HENRY E.	65	[L]	508
FETTIS, HENRY E.	91	[L]	736
FICKEN, F. A.	87	[G, H, X]	733
FILIPPOV, YU. A.	26	[I, L]	265
FLORES, IVAN	53	[X, Z]	291
FREDRICKSEN, H.	21	[F, G]	262
FRÖBERG, CARL-ERIK	79	[X, Z]	519
GARABEDIAN, HENRY L., Editor	74	[X]	515
GEORGE, F. H.	54	[X, Z]	291
GOLDE, HELLMUT	45	[P, Z]	284
GREENBERGER, MARTIN	81	[Z]	520
GROVE, WENDELL E.	9	[P, X]	122
HALANAY, A.	43	[P, X]	282
HANDSCOMB, D. C., Editor	99	[X]	743
HARTLEY, H. O., Editor	32	[K, X]	271
HELLER, WILFRIED	47	[S, X]	286
HERMES, H.	15	[X, Z]	127
HESTENES, M. R.	94	[P, X]	739
HULL, T. E.	101	[X, Z]	744
HUNTER, H. E.	37	[L, X]	276
INOUE, YUJI	27	[I, M]	267
IRESON, W. GRANT, Editor	61	[K, P, W, X]	504
ISAACSON, EUGENE	76	[X]	517
JANSSON, BIRGER	22	[F, K, X, Z]	263
JARNAGIN, MILTON P., JR.	97	[Q]	741
JOHNSON, LYNWOOD A.	71	[P, W, X]	512
JOHNSON, N. L.	75	[X]	517

<i>Author</i>	<i>Review Number</i>	<i>Table Classification</i>	<i>Page</i>
JONES, M. F.	20	[F]	262
JONES, MALCOLM	81	[Z]	520
JORDAN, J. H.	19	[F]	260
KALABA, R. E.	7	[P, Q, S, X, Z]	121
KALMÁR, LÁSZLÓ, Editor	41	[P, W, X, Z]	281
KARMAZINA, L. N.	66	[L]	508
KATSURA, SHIGETOSHI	23	[G, S]	263
KATSURA, SHIGETOSHI	27	[I, M]	267
KEILSON, J.	63	[K, X]	506
KELLER, HERBERT BISHOP	76	[X]	517
KENDALL, M. G.	29	[K, X]	269
KILPATRICK, J. E.	27	[I, M]	267
KIRK, D. B.	37	[L, X]	276
KNUTH, D. E.	85	[F, J]	731
KOBRINSKII, N. E.	10	[P, X, Z]	122
KORGANOFF, ANDRÉ	88	[G, H, X]	733
KOROBOCHKIN, B. I.	26	[I, L]	265
KRUGLIĀK, Y. A.	68	[L, M, T]	510
KRYLOV, V. I.	35	[L, X]	274
KUNTZMANN, J.	49	[X]	287
KUZNETSOV, P. I.	28	[K, L]	267
LAL, M.	17	[A, F]	258
LAL, M.	20	[F]	262
LAL, M.	84	[A, F]	731
LEONDES, C. T.	95	[P, X]	739
LLOYD, DANIEL B.	2	[F, G]	117
LOVE, CARL H.	93	[M, X]	738
MANGULIS, V.	4	[J, L, P, X]	118
METEL'SKIĪ, A. S.	35	[L, X]	274
MEYER, PAUL A.	30	[K, X]	270
MITRINOVIĆ, D. S.	24	[I]	264
MITRINOVIĆ, R. S.	24	[I]	264
MITROPOL'SKIĪ, ARISTARKH KONSTANTINOVICH	31	[K, X]	271
MOISEWITSCH, B. L.	46	[S]	284
MORRIS, JAMES H., JR.	81	[Z]	520
NEMCHINOV, V. S., Editor	48	[W, X]	286
NESS, DAVID N.	81	[Z]	520
VON NEUMANN, JOHN	102	[Z]	745
NOBLE, BEN	89	[H, K, M, P, Q, S, T, V, W, X, Z]	734
NOSOVA, L. N.	38	[L, X]	277
ONDREJKA, RUDOLPH	16	[A]	258
ONDREJKA, RUDOLPH	57	[A, K]	502
OSIPOVA, L. N.	6	[L]	120
OSTROWSKI, A. M.	86	[G, H, I, M, X]	732
PANGONIS, WILLIAM J.	47	[S, X]	286
PAVEL-PARVU, MONICA	88	[G, H, X]	733
PEARSON, E. S., Editor	32	[K, X]	271
PEARSON, JERRY DEAN	40	[P, T, V]	281
PEREYRA, V.	77	[X]	517
PETROVSKI, I. G.	50	[X]	289
PICKEN, SUSAN M.	67	[L]	509
PIPES, LOUIS A.	8	[P, S, X]	121
POLOZHII, G. N.	12	[X]	123

<i>Author</i>	<i>Review Number</i>	<i>Table Classification</i>	<i>Page</i>
PRICE, JAMES F.	13	[X]	124
RADANOVIĆ, L., Editor	62	[K, P, X]	506
ROTENBERG, MANUEL, Editor	70	[P, S, X, Z]	511
RUBINSTEIN, MOSHE F.	96	[P, X, Z]	740
SAATY, THOMAS L.	11	[X]	123
SCARBOROUGH, JAMES B.	51	[X]	290
SCHÜTTE, KARL	56	[A-F, H, I, K-N, P-Y, X, Z]	501
SECRET, DON	14	[X]	125
SENIOR, T. B. A.	37	[L, X]	276
SHUBIK, MARTIN, Editor	98	[W]	742
SIBUYA, MASAÁKI	18	[B, K]	259
SINGH, JAGJIT	103	[Z]	745
SMYTHE, WILLIAM R., JR.	71	[P, W, X]	512
STROUD, A. H.	14	[X]	125
STUART, FREDERIC	55	[X, Z]	292
TAKAHASHI, KŌKI	18	[B, K]	259
TÖLKE, F.	39	[L, X]	280
TRAKHTENBROT, B. A.	10	[P, X, Z]	122
TUMARKIN, S. A.	38	[L, X]	277
VISAPÄÄ, ASKO	72	[X]	514
VOK, C. A.	60	[K]	503
VOLYNSKIĬ, B. A.	44	[P, X, Z]	283
WACHSPRESS, EUGENE L.	90	[H, P, S, X]	735
WENDROFF, BURTON	52	[X]	290
WHITE, PAUL A.	59	[G, H, X]	503
WHITMAN, D. R.	68	[L, M, T]	510
WILKES, M. V.	100	[X]	744
WITTENBERG, E. R.	37	[L, X]	276
WIXOM, J. A.	69	[M, X]	510
YEH, C.	92	[L, X]	737
ZHURINA, M. I.	6	[L]	120
ZHURINA, M. I.	66	[L]	508

INDEX OF REVIEWS BY SUBJECT OF WORK REVIEWED

A. Arithmetical Tables, Mathematical Constants

<i>Author</i>	<i>Review</i>	<i>Title</i>	<i>Page</i>
LAL, M	17	<i>Expansion of $\sqrt{2}$ to 19600 Decimals</i>	258
LAL, M.	84	<i>Expansion of $\sqrt{3}$ to 19600 Decimals</i>	731
ONDREJKA, RUDOLPH	16	<i>The First 100 Exact Double Factorials</i>	258
ONDREJKA, RUDOLPH	57	<i>The First 100 Exact Subfactorials</i>	502
SCHÜTTE, KARL	56	<i>Index Mathematischer Tafelwerke und Tabellen (Index of Mathematical Tables)</i>	501

B. Powers

SCHÜTTE, KARL	56	<i>Index Mathematischer Tafelwerke und Tabellen (Index of Mathematical Tables)</i>	501
TAKAHASHI, KŌKI & SIBUYA, MASAÁKI	18	<i>The Decimal and Octal Digits of $\sqrt[n]{n}$</i>	259

C. Logarithms

SCHÜTTE, KARL	56	<i>Index Mathematischer Tafelwerke und Tabellen (Index of Mathematical Tables)</i>	501
---------------	----	--	-----

<i>Author</i>	<i>Review</i>	<i>Title</i>	<i>Page</i>
D. Circular Functions			
SCHÜTTE, KARL	56	<i>Index Mathematischer Tafelwerke und Tabellen (Index of Mathematical Tables)</i>	501
E. Hyperbolic and Exponential Functions			
SCHÜTTE, KARL	56	<i>Index Mathematischer Tafelwerke und Tabellen (Index of Mathematical Tables)</i>	501
F. Theory of Numbers			
ASHWORTH, MARGARET & ATKIN, A. O. L.	1	<i>Tables of $p_k(n)$</i>	116
BAUMERT, L. D. & FREDRICKSEN, H.	21	<i>The Cyclotomic Numbers of Order Eighteen</i>	262
DIEHL, L. G. & JORDAN, J. H.	19	<i>A Table of Gaussian Primes</i>	260
JANSSON, BIRGER	22	<i>Random Number Generators</i>	263
JONES, M. F., LAL, M. & BLUNDON, W. J.	20	<i>Table of Primes</i>	262
KNUTH, D. E. & BUCKHOLTZ, T. J.	85	<i>Tables of Tangent Numbers, Euler Numbers, and Bernoulli Numbers</i>	731
LAL, M.	17	<i>Expansion of $\sqrt{2}$ to 19600 Decimals</i>	258
LAL, M.	84	<i>Expansion of $\sqrt{3}$ to 19600 Decimals</i>	731
LOYD, DANIEL B.	2	"The use of finite polynomial rings in the factorization of the general polynomial".....	117
SCHÜTTE, KARL	56	<i>Index Mathematischer Tafelwerke und Tabellen (Index of Mathematical Tables)</i>	501
G. Higher Algebra			
BAUMERT, L. D. & FREDRICKSEN, H.	21	<i>The Cyclotomic Numbers of Order Eighteen</i>	262
CATER, FRANK S.	58	<i>Lectures on Real and Complex Vector Spaces</i>	502
FICKEN, F. A.	87	<i>Linear Transformations and Matrices</i>	733
KATSURA, SHIGETOSHI	23	<i>Tables of Representations of Permutation Groups for the Many Electron Problem</i>	263
KORGANOFF, ANDRÉ & PAVEL-PARVU, MONICA	88	<i>Éléments de Théorie des Matrices Carrées et Rectangles en Analyse Numérique</i>	733
LOYD, DANIEL B.	2	"The use of finite polynomial rings in the factorization of the general polynomial".....	117
OSTROWSKI, A. M.	86	<i>Solutions of Equations and Systems of Equations</i>	732
WHITE, PAUL A.	59	<i>Linear Algebra</i>	503
H. Numerical Solution of Equations			
CATER, FRANK S.	58	<i>Lectures on Real and Complex Vector Spaces</i>	502
FICKEN, F. A.	87	<i>Linear Transformations and Matrices</i>	733
KORGANOFF, ANDRÉ & PAVEL-PARVU, MONICA	88	<i>Éléments de Théorie des Matrices Carrées et Rectangles en Analyse Numérique</i>	403
NOBLE, BEN	89	<i>Applications of Undergraduate Mathematics in Engineering</i>	734
OSTROWSKI, A. M.	86	<i>Solutions of Equations and Systems of Equations</i>	732
SCHÜTTE, KARL	56	<i>Index Mathematischer Tafelwerke und Tabellen (Index of Mathematical Tables)</i>	501
WACHSPRESS, EUGENE L.	90	<i>Iterative Solution of Elliptic Systems and Applications to the Neutron Diffusion Equations of Reactor Physics</i>	735
WHITE, PAUL A.	59	<i>Linear Algebra</i>	503

<i>Author</i>	<i>Review</i>	<i>Title</i>	<i>Page</i>
I. Finite Differences, Interpolation			
ANDREW, ALEX M.	3	<i>Table of the Stirling Numbers of the Second Kind</i>	117
FETTIS, HENRY E. & CASLIN, JAMES C.	25	<i>Ten Place Tables of the Jacobian Elliptic Functions</i>	264
KILPATRICK, J. E., KATSURA, SHIGETOSHI & INOUE, YUJI	27	<i>Tables of Integrals of Products of Bessel Functions</i>	267
KOROBOCHKIN, B. I. & FILIPPOV, YU. A.	26	<i>Tablitsy Modifitsirovannykh Funktsii Uittekera (Tables of Modified Whittaker Functions)</i>	265
MITRINOVIĆ, D. S. & MITRINOVIĆ, R. S.	24	<i>Tableaux d'Une Classe de Nombres Reliés aux Nombres de Stirling</i>	264
OSTROWSKI, A. M.	86	<i>Solutions of Equations and Systems of Equations</i>	732
SCHÜTTE, KARL	56	<i>Index Mathematischer Tafelwerke und Tabellen (Index of Mathematical Tables)</i>	501
J. Summation of Series			
KNUTH, D. E. & BUCKHOLTZ, T. J.	85	<i>Tables of Tangent Numbers, Euler Numbers, and Bernoulli Numbers</i>	731
MANGULIS, V.	4	<i>Handbook of Series for Scientists and Engineers</i>	118
K. Statistics			
ALEXANDER, M. J. & VOK, C. A.	60	<i>Tables of the Cumulative Distribution of Sample Multiple Coherence</i>	503
BARK, L. S., BOL'SHEV, L. N., KUZNETSOV, P. I. & CHERENKOV, A. P.	28	<i>Tablitsy Raspredeleniia Releia-Raisa (Tables of the Rayleigh-Rice Distribution)</i>	267
DAVID, F. N., KENDALL, M. G. & BARTON, D. E.	29	<i>Symmetric Function and Allied Tables</i>	269
DYNKIN, E. B.	5	<i>Markov Processes</i>	119
IRESON, W. GRANT, Editor	61	<i>Reliability Handbook</i>	504
JANSSON, BIRGER	22	<i>Random Number Generators</i>	263
KEILSON, J.	63	<i>Green's Function Methods in Probability Theory</i>	506
MITROPOL'SKIĬ, ARISTARKH KONSTANTINOVICH	31	<i>Correlation Equations for Statistical Computations</i>	271
MEYER, PAUL A.	30	<i>Probability and Potentials</i>	270
NOBLE, BEN	89	<i>Applications of Undergraduate Mathematics in Engineering</i>	734
ONDREJKA, RUDOLPH	57	<i>The First 100 Exact Subfactorials</i>	502
PEARSON, E. S. & HARTLEY, H. O., Editors	32	<i>Biometrika Tables for Statisticians</i>	271
RADANOVIĆ, L., Editor	62	<i>Sensitivity Methods in Control Theory</i>	506
SCHUTTE, KARL	56	<i>Index Mathematischer Tafelwerke und Tabellen (Index of Mathematical Tables)</i>	259
TAKAHASHI, KOKI & SIBŪYA, MASAOKI	18	<i>The Decimal and Octal Digits of \sqrt{n}</i>	259
L. Higher Mathematical Functions			
AIZENSHTADT, V. S., KRYLOV, V. I. & METEL'SKII, A. S.	35	<i>Tables of Laguerre Polynomials and Functions</i>	274
BARK, L. S., BOL'SHEV, L. N., KUZNETSOV, P. I. & CHERENKOV, A. P.	28	<i>Tablitsy Raspredeleniia Releia-Raisa (Tables of the Rayleigh-Rice Distribution)</i>	267
CHANG, C. & YEH, C.	92	<i>The Radial Prolate Spheroidal Functions</i>	737
CLENSHAW, C. W. & PICKEN, SUSAN M.	67	<i>Chebyshev Series for Bessel Functions of Fractional Order</i>	509
DITKIN, V. A., Editor	36	<i>Tables of Incomplete Cylindrical Functions</i>	275

<i>Author</i>	<i>Review</i>	<i>Title</i>	<i>Page</i>
FETTIS, HENRY E. & CASLIN, JAMES C.	25	<i>Ten Place Tables of the Jacobian Elliptic Functions...</i>	264
FETTIS, HENRY E. & CASLIN, JAMES C.	33	<i>Ten Place Tables of the Jacobian Elliptic Functions. II Theta Functions and Conversion Factors.....</i>	273
FETTIS, HENRY E. & CASLIN, JAMES C.	34	<i>Elliptic Integral of the Third Kind.....</i>	274
FETTIS, HENRY E. & CASLIN, JAMES C.	64	<i>An Extended Table of Zeros of Cross Products of Bessel Functions.....</i>	507
FETTIS, HENRY E. & CASLIN, JAMES C.	65	<i>Jacobian Elliptic Functions for Complex Arguments..</i>	508
FETTIS, HENRY E. & CASLIN, JAMES C.	91	<i>Tables of the Modified Bessel Functions $I_0(x)$, $I_1(x)$, $e^{-x}I_0(x)$, and $e^{-x}I_1(x)$.....</i>	736
HUNTER, H. E., KIRK, D. B., SENIOR, T. B. A. & WITTENBERG, E. R.	37	<i>Tables of Prolate Spheroidal Functions for $m = 0$....</i>	276
KOROBOCHKIN, B. I. & FILIPPOV, YU. A.	26	<i>Tablitsy Modifitsirovannykh Funktsii Uittekera (Tables of Modified Whittaker Functions).....</i>	265
KRUGLĀK, Y. A. & WHITMAN, D. R.	68	<i>Tablitsy Integralov Kvantovoi Khimii (Tables of Quantum Chemistry Integrals).....</i>	510
MANGULIS, V.	4	<i>Handbook of Series for Scientists and Engineers.....</i>	118
NOSOVA, L. N. & TUMARKIN, S. A.	38	<i>Tables of Generalized Airy Functions for the Asymptotic Solution of the Differential Equation $\epsilon(py)'+$ $(q + \epsilon r)y = f$.....</i>	277
SCHÜTTE, KARL	56	<i>Index Mathematischer Tafelwerke und Tabellen (Index of Mathematical Tables).....</i>	501
TÖLKE, F.	39	<i>Praktische Funktionenlehre, Band II: Theta-Funktionen und spezielle Weierstrasssche Funktionen.....</i>	280
ZHURINA, M. I. & KARMAZINA, L. N.	66	<i>Tables and Formulae for the Spherical Functions $P_{-1/2+i\tau}^m(z)$.....</i>	508
ZHURINA, M. I. & OSIPOVA, L. N.	6	<i>Tablitsy Vyrozhdennoy Gipergeometricheskoy Funktsii (Tables of the Confluent Hypergeometric Function)...</i>	120
M. Integrals			
BARNHILL, R. E. & WIXOM, J. A.	69	<i>Tables Related to Quadratures with Remainders of Min- imum Norm. I.....</i>	510
FETTIS, HENRY E. & CASLIN, JAMES C.	34	<i>Elliptic Integral of the Third Kind.....</i>	274
KILPATRICK, J. E., KATSURA, SHIGETOSHI & INOUE, YUJI	27	<i>Tables of Integrals of Products of Bessel Functions....</i>	267
KRUGLĀK, Y. A. & WHITMAN, D. R.	68	<i>Tablitsy Integralov Kvantovoi Khimii (Tables of Quan- tum Chemistry Integrals).....</i>	510
LOVE, CARL H.	93	<i>Abcissas and Weights for Gaussian Quadrature For $N = 2$ to 100, and $N = 125, 150, 175, 200$.....</i>	738
NOBLE, BEN	89	<i>Applications of Undergraduate Mathematics in Engi- neering.....</i>	734
OSTROWSKI, A. M.	86	<i>Solutions of Equations and Systems of Equations....</i>	732
SCHÜTTE, KARL	56	<i>Index Mathematischer Tafelwerke und Tabellen (Index of Mathematical Tables).....</i>	501
N. Interest and Investment			
SCHÜTTE, KARL	56	<i>Index Mathematischer Tafelwerke und Tabellen (Index of Mathematical Tables).....</i>	501
P. Engineering			
ALDER, BERNI, FERNBACH,	70	<i>Methods in Computational Physics: Advances in Re-</i>	

<i>Author</i>	<i>Review</i>	<i>Title</i>	<i>Page</i>
SIDNEY & ROTENBERG, MANUEL, Editors		<i>search and Applications, Vol. 5: Nuclear Particle Kinematics</i>	511
ASPLUND, S. O.	42	<i>Structural Mechanics: Classical and Matrix Methods</i>	282
BELLMAN, R. E. & KALABA, R. E.	7	<i>Quasilinearization & Nonlinear Boundary-Value Problems</i>	121
GOLDE, HELLMUT	45	<i>Fortran II and IV for Engineers and Scientists</i>	284
GROVE, WENDELL E.	9	<i>Brief Numerical Methods</i>	122
HALANAY, A.	43	<i>Differential Equations: Stability, Oscillations, Time Lags</i>	282
HESTENES, M. R.	94	<i>Calculus of Variations and Optimal Control Theory</i>	739
IRESON, W. GRANT, Editor	61	<i>Reliability Handbook</i>	504
KÁLMÁR, LÁSZLÓ, Editor	41	<i>Colloque Sur les Fondements des Mathématiques, les Machines Mathématiques, et Leurs Applications</i>	281
KOBRINSKII, N. E. & TRAKHTENBROT, B. A.	10	<i>Introduction to the Theory of Finite Automata</i>	122
LEONDES, C. T., Editor	95	<i>Advances in Control Systems, Vol. 3 and 4</i>	739
MANGULIS, V.	4	<i>Handbook of Series for Scientists and Engineers</i>	118
NOBLE, BEN	89	<i>Applications of Undergraduate Mathematics in Engineering</i>	734
PEARSON, JERRY DEAN & FELLINGER, ROBERT C.	40	<i>Thermodynamic Properties of Combustion Gases</i>	281
PIPES, LOUIS A.	8	<i>Operational Methods in Nonlinear Mechanics</i>	121
RADANOVIĆ, L., Editor	62	<i>Sensitivity Methods in Control Theory</i>	506
RUBINSTEIN, MOSHE F.	96	<i>Matrix Computer Analysis of Structures</i>	740
SCHÜTTE, KARL	56	<i>Index Mathematischer Tafelwerke und Tabellen (Index of Mathematical Tables)</i>	501
SMYTHE, WILLIAM R., JR. & JOHNSON, LYNWOOD A.	71	<i>Introduction to Linear Programming, with Applications</i>	512
VOLYNSKIĬ, B. A. & BUKHMAN, V. YE.	44	<i>Analogues for the Solution of Boundary-Value Problems</i>	283
WACHSPRESS, EUGENE L.	90	<i>Iterative Solution of Elliptic Systems and Applications to the Neutron Diffusion Equations of Reactor Physics</i>	735
Q. Astronomy			
BELLMAN, R. E. & KALABA, R. E.	7	<i>Quasilinearization & Nonlinear Boundary-Value Problems</i>	121
JARNAGIN, MILTON P., JR.	97	<i>Expansions in Elliptic Motion</i>	741
NOBLE, BEN	89	<i>Applications of Undergraduate Mathematics in Engineering</i>	734
SCHÜTTE, KARL	56	<i>Index Mathematischer Tafelwerke und Tabellen (Index of Mathematical Tables)</i>	501
R. Geodesy			
SCHÜTTE, KARL	56	<i>Index Mathematischer Tafelwerke und Tabellen (Index of Mathematical Tables)</i>	501
S. Physics, Geophysics, Crystallography			
ALDER, BERNI, FERNBACH, SIDNEY & ROTENBERG, MANUEL, Editors	70	<i>Methods in Computational Physics: Advances in Research and Applications, Vol. 5: Nuclear Particle Kinematics</i>	511
BELLMAN, R. E. & KALABA, R. E.	7	<i>Quasilinearization & Nonlinear Boundary-Value Problems</i>	121
DENMAN, HARRY H., HELLER, WILFRIED & PANGONIS, WILLIAM J.	47	<i>Angular Scattering Functions for Spheres</i>	286

<i>Author</i>	<i>Review</i>	<i>Title</i>	<i>Page</i>
DYNKIN, E. B.	5	<i>Markov Processes, Vols. I and II</i>	119
KATSURA, SHIGETOSHI	23	<i>Tables of Representations of Permutation Groups for the Many Electron Problems</i>	263
MOISEWITSCH, B. L.	46	<i>Variational Principles</i>	284
NOBLE, BEN	89	<i>Applications of Undergraduate Mathematics in Engineering</i>	734
PIPES, LOUIS A.	8	<i>Operational Methods in Nonlinear Mechanics</i>	121
SCHÜTTE, KARL	56	<i>Index Mathematischer Tafelwerke und Tabellen (Index of Mathematical Tables)</i>	501
WACHSPRESS, EUGENE L.	90	<i>Iterative Solution of Elliptic Systems and Applications to the Neutron Diffusion Equations of Reactor Physics</i>	735
T. Chemistry			
KRUGLIĀK, Y. A. & WHITMAN, D. R.	68	<i>Tablítsy Integralov Kvantovõĭ Khimii (Tables of Quantum Chemistry Integrals)</i>	510
NOBLE, BEN	89	<i>Applications of Undergraduate Mathematics in Engineering</i>	734
PEARSON, JERRY DEAN & FELLINGER, ROBERT C.	40	<i>Thermodynamic Properties of Combustion Gases</i>	281
SCHÜTTE, KARL	56	<i>Index Mathematischer Tafelwerke und Tabellen (Index of Mathematical Tables)</i>	501
U. Navigation			
SCHÜTTE, KARL	56	<i>Index Mathematischer Tafelwerke und Tabellen (Index of Mathematical Tables)</i>	501
V. Aerodynamics, Hydrodynamics, Ballistics			
NOBLE, BEN	89	<i>Applications of Undergraduate Mathematics in Engineering</i>	734
PEARSON, JERRY DEAN & FELLINGER, ROBERT C.	40	<i>Thermodynamic Properties of Combustion Gases</i>	281
SCHUTTE, KARL	56	<i>Index Mathematischer Tafelwerke und Tabellen (Index of Mathematical Tables)</i>	501
W. Economics and Social Sciences			
IRESON, W. GRANT, Editor	61	<i>Reliability Handbook</i>	504
KALMÁR, LÁSZLÓ, Editor	41	<i>Colloque Sur les Fondements des Mathématiques, les Machines Mathématiques, et Leurs Applications</i>	281
NEMCHINOV, V. S., Editor	48	<i>The Use of Mathematics in Economics</i>	286
NOBLE, BEN	89	<i>Applications of Undergraduate Mathematics in Engineering</i>	734
SHUBIK, MARTIN, Editor	98	<i>Essays in Mathematical Economics</i>	742
SMYTHE, WILLIAM R., JR. & JOHNSON, LYNWOOD A.	71	<i>Introduction to Linear Programming, with Applications</i>	512
X. Numerical Analysis and Applied Mathematics			
AIZENSHTADT, V. S., KRYLOV, V. I. & METEL'SKIĬ, A. S.	35	<i>Tables of Laguerre Polynomials and Functions</i>	274
ALDER, BERNI, FERNBACH, SIDNEY & ROTENBERG, MANUEL, Editors	70	<i>Methods in Computational Physics: Advances in Research and Applications, Vol. 5: Nuclear Particle Kinematics</i>	511
ANDREE, RICHARD V.	80	<i>Computer Programming and Related Mathematics</i>	520
ASPLUND, S. O.	42	<i>Structural Mechanics: Classical and Matrix Methods</i> ..	282
BALLESTER, C. & PEREYRA, V.	77	<i>Supplement to Bickley's Table for Numerical Differentiation</i>	517

<i>Author</i>	<i>Review</i>	<i>Title</i>	<i>Page</i>
BARNHILL, R. E. & WIXOM, J. A.	69	<i>Tables Related to Quadratures with Remainders of Minimum Norm. I.</i>	510
BELLMAN, R. E. & KALABA, R. E.	7	<i>Quasilinearization & Nonlinear Boundary-Value Problems.</i>	121
BERKELEY, EDMUND C. & BOBROW, DANIEL G., Editors	78	<i>The Programming Language LISP: Its Operation and Applications.</i>	518
BUSACKER, ROBERT G. & SAATY, THOMAS L.	11	<i>Finite Graphs and Networks, An Introduction with Applications.</i>	123
CATER, FRANK S.	58	<i>Lectures on Real and Complex Vector Spaces.</i>	502
CESCHINO, F. & KUNTZMANN, J.	49	<i>Numerical Solution of Initial Value Problems.</i>	287
CHANG, C. & YEH, C.	92	<i>The Radial Prolate Spheroidal Functions.</i>	737
CONTE, S. D.	73	<i>Elementary Numerical Analysis: An Algorithmic Approach.</i>	514
DAVID, F. N., KENDALL, M. G. & BARTON, D. E.	29	<i>Symmetric Function and Allied Tables.</i>	269
DENMAN, HARRY H., HELLER, WILFRIED & PANGONIS, WILLIAM J.	47	<i>Angular Scattering Functions for Spheres.</i>	286
DITKIN, V. A., Editor	36	<i>Tables of Incomplete Cylindrical Functions.</i>	275
DYNKIN, E. B.	5	<i>Markov Processes.</i>	119
EKMAN, TORGIL & FRÖBERG, CARL-ERIK	79	<i>Introduction to ALGOL Programming.</i>	519
FICKEN, F. A.	87	<i>Linear Transformations and Matrices.</i>	733
FLORES, IVAN	53	<i>Computer Software, Programming Systems for Digital Computers.</i>	291
GARABEDIAN, HENRY L., Editor	74	<i>Approximation of Functions.</i>	515
GEORGE, F. H.	54	<i>An Introduction to Digital Computing.</i>	291
GROVE, WENDELL E.	9	<i>Brief Numerical Methods.</i>	122
HALANAY, A.	43	<i>Differential Equations: Stability, Oscillations, Time Lags.</i>	282
HANDSCOMB, D. C., Editor	99	<i>Methods of Numerical Approximation.</i>	743
HERMES, H.	15	<i>Enumerability, Decidability, Computability.</i>	127
HESTENES, M. R.	94	<i>Calculus of Variations and Optimal Control Theory.</i>	739
HULL, T. E.	101	<i>Introduction to Computing.</i>	744
HUNTER, H. E., KIRK, D. B., SENIOR, T. B. A. & WITTENBERG, E. R.	37	<i>Tables of Prolate Spheroidal Functions for $m = 0$.</i> ...	276
IRESON, W. GRANT, Editor	61	<i>Reliability Handbook.</i>	504
ISAACSON, EUGENE & KELLER, HERBERT BISHOP	76	<i>Analysis of Numerical Methods.</i>	517
JANSSON, BIRGER	22	<i>Random Number Generators.</i>	263
JOHNSON, N. L.	75	<i>Tables to Facilitate Fitting S_V Frequency Curves.</i>	517
KALMÁR, LÁSZLÓ, Editor	41	<i>Colloque Sur les Fondements des Mathématiques, les Machines Mathématiques, et Leurs Applications.</i>	281
KEILSON, J.	63	<i>Green's Function Methods in Probability Theory.</i>	506
KOBRINSKII, N. E. & TRAKHTENBROT, B. A.	10	<i>Introduction to the Theory of Finite Automata.</i>	122
KORGANOFF, ANDRÉ & PAVEL-PARVU, MONICA	88	<i>Éléments de Théorie des Matrices Carées et Rectangles en Analyse Numérique.</i>	733
LEONDES, C. T., Editor	95	<i>Advances in Control Systems, Vol. 3 and 4.</i>	739
LOVE, CARL H.	93	<i>Abscissas and Weights for Gaussian Quadrature For $N = 2$ to 100, and $N = 125, 150, 175, 200$.</i>	738

<i>Author</i>	<i>Review</i>	<i>Title</i>	<i>Page</i>
MANGULIS, V.	4	<i>Handbook of Series for Scientists and Engineers</i>	118
MEYER, PAUL A.	30	<i>Probability and Potentials</i>	270
MITROPOL'SKIĬ, ARISTARKH KONSTANTINOVICH	31	<i>Correlation Equations for Statistical Computations</i>	271
NEMCHINOV, V. S., Editor	48	<i>The Use of Mathematics in Economics</i>	286
NOBLE, BEN	89	<i>Applications of Undergraduate Mathematics in Engi- neering</i>	734
NOSOVA, L. N. & TUMARKIN, S. A.	38	<i>Tables of Generalized Airy Functions for the Asymptotic Solution of the Differential Equation $\epsilon(py)'+$ $(q + \epsilon r)y = f$</i>	277
OSTROWSKI, A. M.	86	<i>Solutions of Equations and Systems of Equations</i>	732
PEARSON, E. S. & HARTLEY, H. O., Editors	32	<i>Biometrika Tables for Statisticians</i>	271
PETROVSKI, I. G.	50	<i>Ordinary Differential Equations</i>	289
PIPES, LOUIS A.	8	<i>Operational Methods in Nonlinear Mechanics</i>	121
POLOZHII, G. N.	12	<i>The Method of Summary Representation for Numerical Solution of Problems of Mathematical Physics</i>	123
PRICE, JAMES F.	13	<i>Numerical Analysis and Related Literature for Scien- tific Computer Users</i>	124
RADANOVIĆ, L., Editor	62	<i>Sensitivity Methods in Control Theory</i>	506
RUBINSTEIN, MOSHE F.	96	<i>Matrix Computer Analysis of Structures</i>	740
SCARBOROUGH, JAMES B.	51	<i>Numerical Mathematical Analysis</i>	290
SCHÜTTE, KARL	56	<i>Index Mathematischer Tafelwerke und Tabellen (Index of Mathematical Tables)</i>	501
SMYTHE, WILLIAM R., JR. & JOHNSON, LYNWOOD A.	71	<i>Introduction to Linear Programming, with Applications</i>	512
STROUD, A. H. & SECRET, DON	14	<i>Gaussian Quadrature Formulas</i>	125
STUART, FREDERIC	55	<i>Introductory Computer Programming</i>	292
TÖLKE, F.	39	<i>Praktische Funktionenlehre, Band II: Theta-Funktionen und spezielle Weierstrasssche Funktionen</i>	280
VISAPÄÄ, ASKO	72	<i>A Procedure for Finding the Coefficients of the Best Fit- ting Second and Third Degree Polynomials by Appli- cation of the Method of Least Squares</i>	514
VOLYNSKIĬ, B. A. & BUKHMAN, V. YE.	44	<i>Analogues for the Solution of Boundary-Value Problems</i>	283
WACHSPRESS, EUGENE L.	90	<i>Iterative Solution of Elliptic Systems and Applications to the Neutron Diffusion Equation of Reactor Physics</i>	735
WENDROFF, BURTON	52	<i>Theoretical Numerical Analysis</i>	290
WHITE, PAUL A.	59	<i>Linear Algebra</i>	503
WILKES, M. V.	100	<i>A Short Introduction to Numerical Analysis</i>	744

Z. Calculating Machines and Mechanical Computation

ALDER, BERNI, FERNBACH, SIDNEY & ROTENBERG, MANUEL, Editors	70	<i>Methods in Computational Physics: Advances in Re- search and Applications, Vol. 5: Nuclear Particle Kinematics</i>	511
ANDREE, RICHARD V.	80	<i>Computer Programming and Related Mathematics</i>	520
BELLMAN, R. E. & KALABA, R. E.	7	<i>Quasilinearization & Nonlinear Boundary-Value Prob- lems</i>	121
BERKELEY, EDMUND C. & BOBROW, DANIEL G., Editors	78	<i>The Programming Language LISP: Its Operation and Applications</i>	518
COMPUTER USAGE COMPANY, THE STAFF OF, ASCHER OPLER, Editor	82	<i>Programming the IBM System/360</i>	521

<i>Author</i>	<i>Review</i>	<i>Title</i>	<i>Page</i>
EKMAN, TORGIL & FRÖBERG, CARL-ERIK	79	<i>Introduction to Algol Programming</i>	519
FARINA, MARIO V.	83	<i>Fortran IV Self-Taught</i>	521
FLORES, IVAN	53	<i>Computer Software, Programming Systems for Digital Computers</i>	291
GEORGE, F. H.	54	<i>An Introduction to Digital Computing</i>	291
GOLDE, HELLMUT	45	<i>Fortran II and IV for Engineers and Scientists</i>	284
GREENBERGER, MARTIN, JONES, MALCOLM, MORRIS, JAMES H., JR. & NESS, DAVID N.	81	<i>On-Line Computation and Simulation: The OPS-3 System</i>	520
HERMES, H.	15	<i>Enumerability, Decidability, Computability</i>	127
HULL, T. E.	101	<i>Introduction to Computing</i>	744
JANSSON, BIRGER	22	<i>Random Number Generators</i>	263
KALMÁR, LÁSZLÓ, Editor	41	<i>Colloque Sur les Fondements des Mathématiques, les Machines Mathématiques, et Leurs Applications</i>	281
KOBRINSKIĪ, N. E. & TRAKHTENBROT, B. A.	10	<i>Introduction to the Theory of Finite Automata</i>	122
VON NEUMANN, JOHN	102	<i>Theory of Self-Reproducing Automata</i>	745
NOBLE, BEN	89	<i>Applications of Undergraduate Mathematics in Engi- neering</i>	734
RUBINSTEIN, MOSHE F.	96	<i>Matrix Computer Analysis of Structures</i>	740
SCHÜTTE, KARL	56	<i>Index Mathematischer Tafelwerke und Tabellen (Index of Mathematical Tables)</i>	501
SINGH, JAGJIT	103	<i>Great Ideas in Information Theory, Language and Cybernetics</i>	745
STUART, FREDERIC	55	<i>Introductory Computer Programming</i>	292
VOLYNSKIĪ, B. A. & BUKHMAN, V. YE.	44	<i>Analogues for the Solution of Boundary-Value Prob- lems</i>	283

INDEX OF TABLE ERRATA

<i>No.</i>	<i>Author</i>	<i>Title</i>	<i>Page</i>
406	ABRAMOWITZ, MILTON & STEGUN, IRENE A., Editors	<i>Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables</i>	128
407	"	"	293
411	"	"	523
415	"	"	747
409	BEYER, WILLIAM H., Editor	<i>Handbook of Tables for Probability and Statistics</i>	294
408	GRADSHTEYN, I. S. & RYZHIK, I. M.	<i>Table of Integrals, Series, and Products</i>	293
412	HENDERSON, F. M.	<i>Elliptic Functions with Complex Arguments</i>	523
416	JOLLEY, L. B. W.	<i>Summation of Series</i>	747
405	McLACHLAN, N. W., HUMBERT, P. & POLI, L.	<i>Supplément au Formulaire pour le Calcul Symbolique</i>	128
413	MAGNUS, W. & OBERHETTINGER, F.	<i>Formulas and Theorems for the Special Functions of Mathematical Physics</i>	523
414	MAGNUS, W. & OBERHETTINGER, F.	<i>Formeln und Sätze für die Speziellen Funktionen der Mathematischen Physik</i>	524
417	MANGULIS, V.	<i>Handbook of Series for Scientists and Engineers</i>	750
410	NBS APPLIED MATHEMATICS SERIES, NO. 48	<i>Fractional Factorial Experiment Designs for Factors at Two Levels</i>	295

INDEX OF CORRIGENDA

<i>Author</i>	<i>Title</i>	<i>Page</i>
BILLINGSLEY, PATRICK	<i>Ergodic Theory and Information</i>	130

<i>Author</i>	<i>Title</i>	<i>Page</i>
BRILLHART, JOHN & SELFRIDGE, J. L.	"Some factorizations of $2^n \pm 1$ and related results" ..	751
CODY, W. J. & THACHER, HENRY C., JR.	"Rational Chebyshev approximations for Fermi-Dirac integrals of orders $-\frac{1}{2}$, $\frac{1}{2}$ and $\frac{3}{2}$ "	525
LANDER, L. J. & PARKIN, T. R.	"Equal sums of biquadrates"	296
PETRYSHYN, W. V.	"On the extrapolated Jacobi or simultaneous displacements method in the solution of matrix and operator equations"	296
THOMPSON, RORY	"Evaluation of $I_n(b) = 2\pi^{-1} \int_0^\infty ((\sin x)/x)^n \cos(bx) dx$ and of similar integrals"	130
WRENCH, JOHN W., JR. & SHANKS, DANIEL	"Questions concerning Khintchine's constant and the efficient computation of regular continued fractions"	130

INDEX OF NOTES

	<i>Page</i>
New Journal Journal of Mathematical Sciences	131
List of Errata Handbook of Mathematical Functions with Formulas, Graphs and Mathematical Tables, edited by M. ABRAMOWITZ and L. A. STEGUN	131
New Journal English Translation of the Siberian Mathematical Journal	525
New Journal Journal of Engineering Mathematics	525
New Journal Journal of Economic Computation and Economic Cybernetics Studies and Research	752
New Journal English Translation of Acta Mechanica Sinica	752