

INDEX

	PAGE
Allison, D. On obtaining zero-free regions for the zeta-function from estimates of $M(x)$	333
Bajpai, S. D. Some expansion formulae for Fox's H -function involving exponential functions	87
Baker, A. and Coates, J. Integer points on curves of genus 1	595
Bakshi, S. K. On the effect of magneto-thermo-elastic interactions on the cooling process of an infinite circular cylinder	173
Banerjee, S. Simultaneous confidence intervals for two linear functions of population means when population variances are not equal	365
Bell, R. J. and Dean, P. On the shifted eigenvalue problem	97
Bennett, G. and Cooper, J. B. (LF)-spaces with absolute bases	283
Bradley, R. Mean field approximations to Couette flow and its stability	657
Buchdahl, H. A. ϵ - and γ -formalisms in the calculus of 4-spinors	123
Carter, R. W. Weyl groups and finite Chevalley groups	269
Choudhary, B. On functional Nörlund methods	47
Coates, J. and Baker, A. Integer points on curves of genus 1	595
Cooper, J. B. and Bennett, G. (LF)-spaces with absolute bases	283
Cracknell, A. P. and Joshua, S. J. Symmetry adapted functions for double point groups. II. Cubic point groups	647
Das, G. A Tauberian theorem for absolute summability	321
Das, G. and Nanda, M. M. Summability (L) of Fourier series	327
Dawid, A. P. On the limiting normality of posterior distributions	625
Day, B. J. and Kelly, G. M. On topological quotient maps preserved by pullbacks or products	553
Day, W. A. On the monotonicity of the relaxation functions of viscoelastic materials	503
Dean, P. and Bell, R. J. On the shifted eigenvalue problem	97
Dennis, J. S. The distribution of sequences in Abelian groups	1
Dhawan, G. K. Integrals involving classical polynomials	607
Drury, S. W. A partition of non-synthesis for tensor algebras	19
D'Sa, E. R. A case of thermal boundary layer separation by a magnetic field	671
Eastham, M. S. P. The least limit point of the spectrum associated with singular differential operators	277
Elliott, R. J. Almost hypoelliptic differential operators with variable coefficients	287
Essam, J. W. Linked-cluster expansions for the correlation functions of lattice systems	523
Fletcher, C. R. The structure of unique factorization rings	535
Fournier, J. Random Fourier-Stieltjes transforms on partially ordered groups	295
Gill, A. E. and Smith, R. K. On similarity solutions of the differential equation $\psi_{zzzz} + \psi_z = 0$	163
Gregory, R. D. The propagation of waves in an elastic half-space containing a cylindrical cavity	689

	PAGE
Gupta, B. N. On Mill's ratio	363
Hawkes, T. O. An example in the theory of soluble groups	13
Heading, J. The equality of the moduli of certain ratios occurring in the connexion formulae of solutions of some transcendental differential equations	347
Hudson, J. A. The attenuation of surface waves by scattering	215
Islam, J. N. Conformal frames and field equations in a conformal theory of gravitation	397
Jaco, W. On certain subgroups of the fundamental group of a closed surface	17
Joshua, S. J. and Cracknell, A. P. Symmetry adapted functions for double point groups. II. Cubic point groups	647
Kaufman, R. A method for Fourier transforms	619
Kelly, G. M. and Day, B. J. On topological quotient maps preserved by pullbacks or products	553
Körner, T. W. Sets of synthesis for general algebras	559
Kunz, K. S. An algebraic technique for the solution of Laplace's equation in three dimensions	383
Lewin, M. Essential coverings of matrices	263
Lincoln, J. W., Nikkhah, M. and Volterra, E. Determination of phase velocities of a circular helix using the method of internal constraints	509
McCrudden, M. On critical pairs of product sets in a certain matrix group	569
Matthews, K. R. and Walters, R. F. C. Some properties of the continued fraction expansion of $(m/n) e^{1/e}$	67
Meir, A. and Sharma, A. A generalization of the S_α -summation method	61
Mohapatra, R. N. Summability factors for Riesz logarithmic means of order one of a Fourier series	307
Müller zum Hagen, H. On the analyticity of static vacuum solutions of Einstein's equations	415
Nanda, M. M. and Das, G. Summability (L) of Fourier series	327
Nayak, M. K. On the summability of Fourier integrals	23
Naylor, D. On an eigenfunction expansion associated with a condition of radiation	107
Nikkhah, M., Volterra, E. and Lincoln, J. W. Determination of phase velocities of a circular helix using the method of internal constraints	509
Norminton, E. J. Diffusion and convection of heat in the potential flow past a circular cylinder	181
Norminton, E. J. Diffusion and convection of heat in a dipole convection field	195
Norminton, E. J. Diffusion and convection of heat from circular cylinders with known boundary conditions	201
Okikiolu, G. O. On integral operators with kernels involving Bessel functions (Cor- rection and Addendum)	583
Osgood, C. F. The simultaneous diophantine approximation of certain k th roots	75
Pandey, R. N. A generalization of the Meijer transform	339
Patnaik, S. Einstein-Maxwell fields with plane symmetry. I	127
Prokhorovnik, S. J. A cosmological basis for hyperbolic velocity space	391
Rajwade, A. R. A note on the number of solutions N_p of the congruence $y^2 \equiv x^3 - Dx \pmod{p}$	603

Index

V

PAGE

Ray, B. K. On the absolute summability of some series related to a Fourier series	29
Rhodes-Robinson, P. F. On the short-wave asymptotic motion due to a cylinder heaving on water of finite depth, I	423
Rhodes-Robinson, P. F. On the short-wave asymptotic motion due to a cylinder heaving on water of finite depth, II	443
Richardson, S. A. 'stick-slip' problem related to the motion of a free jet at low Reynolds numbers	477
Roebuck, I. On cylindrical waves in stratified media: high frequency refraction and diffraction at a plane interface	133
Samal, G. Fourier series associated with the sample functions of a stochastic process	101
Sharma, A. and Meir, A. A generalization of the S_x -summation method	61
Sharma, B. L. Some formulae for Appell functions	613
Singer, M. Invertible powers of ideals over orders in commutative separable algebras	237
Singh, P. and Sinha, P. C. Transient free convection flow due to the arbitrary motion of a vertical plate	677
Sinha, P. C. and Singh, P. Transient free convection flow due to the arbitrary motion of a vertical plate	677
Smith, R. K. and Gill, A. E. On similarity solutions of the differential equation $\psi_{zzzz} + \psi_x = 0$	163
Steinitz, R. A theorem on the roots of a certain equation involving Bessel functions	93
Sullivan, H. D. Time structures for abstract polysystems	635
Thomas, A. Trace in additive categories	541
Thomas, C. B. A weak 4-dimensional s -cobordism theorem	549
Ursell, F. Integrals with a large parameter: paths of descent and conformal mapping	371
Viswanathan, K. On elastic waves from a finite line-source	209
Volterra, E., Lincoln, J. W. and Nikkhah, M. Determination of phase velocities of a circular helix using the method of internal constraints	509
Wall, C. T. C. On the axiomatic foundations of the theory of Hermitian forms	243
Wall, C. T. C. On groups consisting mostly of involutions	251
Walpole, L. J. Some elastostatic and potential problems for an elliptic disc	225
Walters, R. F. C. and Matthews, K. R. Some properties of the continued fraction expansion of $(m/n) e^{1/q}$	67
Westcott, B. S. Exact solutions for vertically polarized electromagnetic waves in a horizontally stratified magnetoplasma	491
Willson, A. J. Boundary layers in micropolar liquids	469
Wong, Y. C. The order-bound topology on Riesz spaces	587

CONTENTS

	PAGE
FLETCHER, C. R. The structure of unique factorization rings	535
THOMAS, A. Trace in additive categories	541
THOMAS, C. B. A weak 4-dimensional s -cobordism theorem	549
DAY, B. J. and KELLY, G. M. On topological quotient maps preserved by pullbacks or products	553
KÖRNER, T. W. Sets of synthesis for general algebras	559
MCCRUDDEN, M. On critical pairs of product sets in a certain matrix group	569
OKIKIOLU, G. O. On integral operators with kernels involving Bessel functions (Correction and Addendum)	583
WONG, Y-C. The order-bound topology on Riesz spaces	587
BAKER, A. and COATES, J. Integer points on curves of genus 1	595
RAJWADE, A. R. A note on the number of solutions N_p of the congruence $y^2 \equiv x^3 - Dx \pmod{p}$	603
DHAWAN, G. K. Integrals involving classical polynomials	607
SHARMA, B. L. Some formulae for Appell functions	613
KAUFMAN, R. A method for Fourier transforms	619
DAWID, A. P. On the limiting normality of posterior distributions	625
SULLIVAN, H. D. Time structures for abstract polysystems	635
CRACKNELL, A. P. and JOSHUA, S. J. Symmetry adapted functions for double point groups. II. Cubic point groups	647
BRADLEY, R. Mean field approximations to Couette flow and its stability	657
D'SA, E. R. A case of thermal boundary-layer separation by a magnetic field	671
SINHA, P. C. and SINGH, P. Transient free convection flow due to the arbitrary motion of a vertical plate	677
GREGORY, R. D. The propagation of waves in an elastic half-space containing a cylindrical cavity	689

Printed in Great Britain at the University Printing House, Cambridge