

CONTENTS

	PAGE
LAFFEY, T. J. Solubility theorems for finite groups	1
HICKIN, K. K. and PHILLIPS, R. E. Local theorems and group extensions	7
ILAMED, Y. Generalized Cayley–Hamilton identities for matrices with entries in a non-associative ring	21
AWTAR, R. On a theorem of Posner	25
SZYMCZEK, K. Grothendieck groups of quadratic forms and G -equivalence of fields	29
LONGUET-HIGGINS, M. S. On a conjectured analogue to Clifford’s chain in [4]	37
ADAMS, J. F. The Kahn–Priddy theorem	45
ROSS, K. A. Fatou–Zygmund sets	57
KÖRNER, T. W. The union of sets of interpolation for general algebras	67
DIANANDA, P. H. Some cyclic and other inequalities. III	69
KURTZ, J. C. Uniform summability and Töplitz bases	73
DE SNOO, H. S. V. A note on Watson transforms	83
FINN, R. On the uniformization of plane direction fields, and of second-order partial differential operators	87
BURNISTON, E. E. and SIEWERT, C. E. The use of Riemann problems in solving a class of transcendental equations	111
GOODMAN, G. S. and JOHANSEN, S. Kolmogorov’s differential equations for non-stationary, countable state Markov processes with uniformly continuous transition probabilities	119
SEN, P. K. On weak convergence of empirical processes for random number of independent stochastic vectors	139
BINGHAM, N. H. Positive definite functions on spheres	145
SCRATON, R. E. Polynomial approximations to the solution of the heat equation	157
PAVELLE, R. The variational derivative of degenerate Lagrange densities	167
JEFFREYS, H. On isotropic tensors	173
LEKNER, J. On the three-body problem	177
JOHNSON, R. S. On the development of a solitary wave moving over an uneven bottom	183
MCKEE, W. D. Internal-inertia waves in a fluid of variable depth	205
SCHOCHET, C. On the structure of graded formal groups of finite characteristic	215
SAMUEL, T. D. M. A. and HALL, I. M. On the series solution to the laminar boundary layer with stationary origin on a continuous, moving porous surface	223
JONES, I. P. Low Reynolds number flow past a porous spherical shell	231
JONES, J. R. A further note on axially symmetric flows of elastico-viscous liquids	239
SPENCE, D. A. An eigenvalue problem for elastic contact with finite friction	249
ADEROGBA, K. An elastostatic circle theorem	269
MURRAY, N. W. The polygon-circle paradox and convergence in thin plate theory	279

© The Cambridge Philosophical Society, 1973

Printed in Great Britain at the University Printing House, Cambridge