

## CONTENTS

ABIAN, ALEXANDER: Direct-sum decompositions of atomic and orthogonally complete rings . . . . .	357
ADAMS, D. H.: A note on a paper by P. D. Finch . . . . .	63
AITCHISON, P. W.: A characterisation of the ellipsoid . . . . .	385
ALIN, J. S. and E. P. ARMENDARIZ: <i>TTF</i> -classes over perfect rings . . . . .	499
ALLENBY, R. B. J. T.: On the residual finiteness of permutational products of groups . . . . .	504
ARMENDARIZ, E. P.: <i>See</i> J. S. ALIN	
BALABAN, A. T., R. DAVIES, F. HARARY, A. HILL and R. WESTWICK: Cubic identity graphs and planar graphs derived from trees . . . . .	207
BRIDE, IAIN, M.: Second nilpotent <i>BFC</i> groups . . . . .	9
BURNS, J. C.: The iterated equation of generalized axially symmetric potential theory V. Generalized Weinstein correspondence principle . . . . .	129
CHEHATA, C. G. and A. SHAWKY: A note on extending partial automorphisms of abelian groups . . . . .	37
CLARK, DAVID M.: Diassociative groupoids are not finitely based . . . . .	113
COHN, P. M.: Torsion and protorsion modules over free ideal rings . . . . .	490
COSSEY, JOHN: On decomposable varieties of groups . . . . .	340
—, SHEILA OATES MACDONALD and ANN PENFOLD STREET: On the laws of certain finite groups . . . . .	441
DAVIES, R.: <i>See</i> A. T. BALABAN	
ERDÖS, P. and L. MOSER: An extremal problem in graph theory . . . . .	42
FINCH, P. D.: On orthomodular posets . . . . .	57
GOETHALS, J. M. and J. J. SEIDEL: A skew Hadamard matrix of order 36 . . . . .	343
GOOZEFF, J. T.: Abelian p-subgroups of the general linear group . . . . .	257
GRILLET, MIREILLE P.: Examples of semirings of endomorphisms of semigroups . . . . .	345
GUPTA, K. C. and P. K. MITTAL: The <i>H</i> -function transform . . . . .	142
GUPTA, NARAIN and AKBAR RHEMTULLA: A note on centre-by-finite-exponent varieties of groups . . . . .	33
HALL, T. E.: The radical of the algebra of any finite semigroup over any field . . . . .	350
HARARY, F.: <i>See</i> A. T. BALABAN	
HARUKI, HIROSHI: An application of Nevanlinna-Pólya theorem to a cosine functional equation . . . . .	325
HARASYMIV, S. R.: A remark about a certain class of distribution spaces . . . . .	65
HEINEKEN, HERMANN: On groups with special antiautomorphisms . . . . .	401
HILL, A.: <i>See</i> A. T. BALABAN	
HOWROYD, T. D.: The uniqueness of bounded or measurable solutions of some functional equations . . . . .	186
HUTCHENS, HELEN and R. G. KEATS: The convolutional approach to the estimation of spectral maxima directly from the autocovariance function . . . . .	367
KAUTSKY, J.: Optimal quadrature formulae and minimal monosplines in $L_q$ . . . . .	48
KEATS, R. G.: <i>See</i> HELEN HUTCHENS	
KHABBAZ, SAMIR: The Morse inequality for line bundles . . . . .	260
KING, J. P. and J. J. SWETITS: Positive linear operators and summability . . . . .	281
LAHIRI, D. B.: Some restricted partition functions: congruences modulo 3 . . . . .	82
LEAVITT, W. G., <i>See</i> JAMES MARTIN	
LEVIN, FRANK: Generating groups for nilpotent varieties . . . . .	28
LIBERIA, R. J.: Disk-like functions . . . . .	251
LIGH, S. and J. J. MALONE, Jr.: Zero divisors and finite near-rings . . . . .	374
LIN, Y. F.: <i>See</i> J. S. RATTI	

LOVE, E. R.: Changing the order of integration . . . . .	421
LOY, R. J.: Maximal ideal spaces of Banach algebras of derivable elements . . . . .	310
MACDONALD, SHEILA OATES: <i>See JOHN COSSEY</i>	
MAGILL, KENNETH D., Jr.: Composable topological properties and semigroups of relations . . . . .	265
———: The semigroups of endomorphisms of a Boolean ring . . . . .	411
MAKAN, A.: Another characteristic conjugacy class of subgroups of finite soluble groups . . . . .	395
MALONE, J. J., Jr.: <i>See S. LIGH</i>	
MARTIN, JAMES and W. G. LEAVITT: Derivations related to a separable element of an algebra . . . . .	507
MAZUMDAR, J.: A method for solving problems of elastic plates of arbitrary shape . . . . .	95
MEAKIN, JOHN: Idempotent-equivalent congruences on orthodox semigroups . . . . .	221
MEIR, A. and J. W. MOON: Cutting down random trees . . . . .	313
MICHAEL, J. H.: A universal semigroup . . . . .	216
MIRBAGHERI, AHMAD: Some results on finiteness of radical algebras . . . . .	291
MITTAL, P. K.: <i>See K. C. GUPTA</i>	
MOON, J. W.: <i>See A. MEIR</i>	
MOSER, L.: <i>See P. ERDÖS</i>	
NEUMANN, PETER M.: An improved bound for <i>BFC</i> $p$ -groups . . . . .	19
NEUMANN, WALTER D.: Representing varieties of algebras by algebras . . . . .	1
NG, C. T.: Uniqueness theorems for a general class of functional equations . . . . .	362
PARROTT, DAVID: On the Mathieu groups $M_{22}$ and $M_{11}$ . . . . .	69
RAO, S. B.: On a problem of Ore on maximal trees . . . . .	379
RATTI, J. S. and Y.-F. LIN: The diameters of graphs of semirings . . . . .	433
RHEMTULLA, AKBAR: <i>See NARAIN GUPTA</i>	
ROHATGI, V. K.: On the rate of convergence of probabilities of moderate deviations . . . . .	91
RUBEL, L. A. and A. L. SHIELDS: The second duals of certain spaces of analytic functions . . . . .	276
SEIDEL, J. J.: <i>See J. M. GOETHALS</i>	
SHARMA, K. D.: One step methods for the numerical solution of linear differential equations based upon Lobatto quadrature formulae . . . . .	115
SHAWKY, A.: <i>See C. G. CHEHATA</i>	
SHIELDS, A. L.: <i>See L. A. RUBEL</i>	
SINGH, RAM: Radius of convexity of partial sums of a certain power series . . . . .	407
SMITH, R. K.: The laminar free-convection boundary layer on a vertical heated plate in the neighbourhood of a discontinuity in plate temperature . . . . .	149
STREET, ANNE PENFOLD: <i>See JOHN COSSEY</i>	
SUN, TZE-CHIEN and N. A. TSERPES: A note on the idempotent measures of countable semi- groups . . . . .	417
SURYANARAYANA, D.: Uniform $O$ -estimates of certain error functions connected with $k$ -free integers . . . . .	242
SWETITS, J. J.: <i>See J. P. KING</i>	
TAYLOR, D. E.: A characterization of the group Aut ( $PGL(3, 4)$ ) . . . . .	195
TSERPES, N. A.: <i>See TZE-CHIEN SUN</i>	
USTINA, FRED: Gibbs phenomenon for the Hausdorff means of double sequences . . . . .	169
VAUGHAN-LEE, M. R.: On the laws of some varieties of groups . . . . .	353
WALLIS, JENNIFER: $(v, k, \lambda)$ configurations and Hadamard matrices . . . . .	297
WALLIS, W. D.: A non-existence theorem for $(v, k, \lambda)$ -graphs . . . . .	381
WESTWICK, R.: <i>See A. T. BALABAN</i>	
WIEGMANN, N. A.: Quasi-normal matrices and products . . . . .	329
WORLEY, R. T.: On a result of Cassels . . . . .	191