



# CONTENTS

## A – ALGEBRA AND NUMBER THEORY

L. J. Alex, <i>Simple groups and a Diophantine equation</i> .....	257
J. L. Brenner and R. C. Lyndon, <i>Permutations and cubic graphs</i> .....	285
J. A. Gerhard and M. Petrich, <i>Word problems for free objects in certain varieties of completely regular semigroups</i> .....	351
W. B. Powell and C. Tsinakis, <i>Free products in the class of abelian l-groups</i> .....	429
D. J. Winter, <i>The Jacobson descent theorem</i> .....	495

## B – ANALYSIS

H. Alexander and J. Wermer, <i>On the approximation of singularity sets by analytic varieties</i> .....	263
W. A. Al-Salam and M. E. H. Ismail, <i>Orthogonal polynomials associated with the Rogers-Ramanujan continued fraction</i> .....	269
I. Craw and S. Ross, <i>Separable algebras over a commutative Banach algebra</i> .....	317
J. M. Dominguez, <i>Non-archimedean Gelfand theory</i> .....	337
D. J. Downing and B. Turett, <i>Some properties of the characteristic of convexity relating to fixed point theory</i> .....	343
M. Glasner and M. Nakai, <i>Surjective extension of the reduction operator</i> .....	361
P. H. Maserick, <i>Applications of differentiation of <math>\mathcal{L}_p</math>-functions to semilattices</i> .....	417
B. Reznick, <i>Some inequalities for products of power sums</i> .....	443
C. R. Rosentrater, <i>Compact operators and derivations induced by weighted shifts</i> .....	465
E. Silverman, <i>Basic calculus of variations</i> .....	471
C. A. Swanson, <i>Criteria for oscillatory sublinear Schrödinger equations</i> .....	483

## G – TOPOLOGY

T. Isiwata, <i>Ultrafilters and mappings</i> .....	371
L. D. Loveland, <i>Double tangent ball embeddings of curves in <math>E^3</math></i> .....	391
D. McMahon and T.-S. Wu, <i>Homomorphisms of minimal flows and generalizations of weak mixing</i> .....	401

Our subject classifications are: A – ALGEBRA AND NUMBER THEORY; B – ANALYSIS;  
C – APPLIED MATHEMATICS; D – GEOMETRY; E – LOGIC AND FOUNDATIONS;  
F – PROBABILITY AND STATISTICS; G – TOPOLOGY; H – COMBINATORICS