



# CONTENTS

## A — ALGEBRA AND NUMBER THEORY

- J. L. Brenner and L. L. Foster, *Exponential diophantine equations* ..... 263  
C. J. Maxson, M. R. Pettet and K. C. Smith, *On semisimple rings that are centralizer near-rings* ..... 451

## B — ANALYSIS

- J. Bourgain, *A Hausdorff-Young inequality for B-convex Banach spaces* ..... 255  
L. Hahn, *A note on stochastic methods in connection with approximation theorems for positive linear operators* ..... 307  
V. K. Jain, *Certain transformations of basic hypergeometric series and their applications* ..... 333  
C. D. Keys, *On the decomposition of reducible principal series representations of P-adic Chevalley groups* ..... 351  
G. Talenti, *A note on the Gauss curvature of harmonic and minimal surfaces* ..... 477  
D. M. Terlinden, *A spectral containment theorem analogous to the semigroup theory result  $e^{t\sigma(A)} \subseteq \sigma(e^{tA})$*  ..... 493

## D — GEOMETRY

- M. S. Klamkin and A. Meir, *Ptolemy's inequality, chordal metric, multiplicative metric* ..... 389  
R. F. Lax, *Independence of normal Weierstrass points under deformation* ..... 393

## G — TOPOLOGY

- H. H. Glover and W. D. Homer, *Fixed points on flag manifolds* ..... 303  
J. P. Henderson, *Approximating cellular maps between low dimensional polyhedra* ..... 321  
L. Luxemburg, *On compactifications of metric spaces with transfinite dimensions* ..... 399  
T. C. Przymusiński, *Extending functions from products with a metric factor and absolutes* ..... 463

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