# Pacific <br> <br> Journal of <br> <br> Journal of Mathematics 


Errett Bishop, A generalization of the Stone-Weierstrass theorem ..... 777
H. D. Brunk, Best fit to a random variable by a random variable measura- ble with respect to a $\sigma$-lattice ..... 785
D. S. Carter, Existence of a class of steady plane gravity flows ..... 803
S. Cater, On the theory of spatial invariants ..... 821
S. Chowla, M. Dunton and D. J. Lewis, Linear recurrences of order two ..... 833
Paul Civin and Bertram Yood, The second conjugate space of a Banach algebra as an algebra. ..... 847
W. J. Coles, Wirtinger-type integral inequalities ..... 871
S. R. Foguel, Strongly continuous Markov processes ..... 879
D. J. Foulis, Conditions for the modularity of an orthomodular lattice. ..... 889
Jerzy Gorski, The Sochocki-Plemelj formula for the functions of two com- plex variables. ..... 897
John W. Gray, Extensions of sheaves of associative algebras by nontrivial kernels ..... 909
Maurice Hanan, Oscillation criteria for third-order linear differential equations ..... 919
H. Hanani and M. Reichbach, Some characterizations of a class of unavoida- ble compact sets in the game of Banach and Mazur ..... 945
John Harvey, Complete holomorphs . ..... 961
Joseph Hersch, Physical interpretation and strengthening of M. H. Protter's method for vibrating nonhomogeneous membranes; its analogue for Schrödinger's equation ..... 971
J. G. Horne, Jr., Real commutative semigroups on the plane ..... 981
Nai-chao Hsu, The group of automorphisms of the holomorph of a group. ..... 999
F. Burton Jones, The cyclic connectivity of plane continua ..... 1013
J. A. Kalman, Continuity and convexity of projections and barycentric co- ordinates in convex polyhedra ..... 1017
Samuel Karlin, Frank Proschan and Richard E. Barlow, Moment inequali- ties of Pólya frequency functions ..... 1023
Tilla Klotz, Imbedding compact Riemann surfaces in 3-space ..... 1035
A. Lévy and R. Vaught, Principles of partial reflection in the set theories of Zermelo and Ackermann ..... 1045
D. J. Lewis, Two classes of diophantine equations ..... 1063
Daniel C. Lewis, J., Reversible transformations. ..... 1077
Gerald Losey and Hans Schneider, Group membership in rings and semi- groups ..... 1089
N. N. Mikhail and M. Nassif, On the difference and sum of basio sets of polynomials ..... 1099
Alex Rosenberg and Daniel Zelinsky, Automorphisms of separable algebras. ..... 1109
Robert Steinberg, Automorphisms of classical Lie algebras ..... 1119
Ju-kwei Wang, Multipliers of commutative Banach algebras. .....
Neal Zierler, Axioms for non-relativistic quantum mechanics. ..... 1151

