Pacific Journal of Mathematics

| R. F. V. Anderson, Laplace transform methods in multivariate spectral | 000 |
|---|-------------|
| theory | 339 |
| W. G. Bade, Two properties of the Soregenfrey plane | 349 |
| , 10, Dailor and 20, 1, character, - minimum 110 to 1000 min , minimum 110 to 100 min , minimum 110 min , min , minimum 110 min , minimum 110 min , minimum | 355 |
| P. W. Bean, Helly and Radon-type theorems in interval convexity | |
| spaces | 363 |
| J. R. Boone, On k-quotient mappings | 369 |
| R. Brown, Extended prime spots and quadratic form | 379 |
| W. H. Cornish, Crawley's completion of a conditionally upper continuous | |
| lattice | 397 |
| | 407 |
| R. J. Daverman, Approximating polyhedra in codimension one spheres | |
| embedded in S^n by tame polyhedra | 417 |
| embedded the Soy tame polyhedria. | |
| B. Fein, Minimal splitting fields for group representations | 441 |
| P. Fletcher and R. A. McCoy, Conditions under which a connected | 400 |
| representable space is locally connected | 433 |
| J. S. Golan, Topologies on the torsion-theoretic spectrum of a | 400 |
| $noncommutative_ring\ldots$ | 439 |
| M. Gordon and E. M. Wilkinson, Determinants of Petrie matrices | 451 |
| A. P. Hallstrom, A counterexample to a conjecture on an integral | |
| condition for determining peak points (counterexample concerning | |
| peak points) | 455 |
| E. R. Heal and M. P. Windham. Finitely generated F-algebras with | |
| annlications to Stein manifolds | 459 |
| D. Hewgill, On the eigenvalues of a second order elliptic operator in | |
| an unbounded domain | 467 |
| C. R. Johnson, The Hadamard product of A and A* | 477 |
| D. C. Kent and G. D. Richardson, Regular completions of Cauchy spaces. | 483 |
| A. G. Law and A. L. McKerracher, Sharpened polynomial approximation. | 491 |
| B. Lund, Subalgebras of finite codimension in the algebra of analytic | 431 |
| B. Lund, Subargeorus of invite coalinguistics in the argeora of analytic | 495 |
| functions on a Riemann surface | |
| R. W. Miller, TTF classes and quasi-generators | 499 |
| R. B. Mura and A. H. Rhemtulla, Solvable groups in which every maximal | F00 |
| partial order is isolated | 509 |
| I. Namioka, Separate continuity and joint continuity | $\dots 515$ |
| E. A. Rutter, A characterization of QF-3 rings \dots | 533 |
| A. Saleski, Entropy of self-homeomorphisms of statistical pseudo-metric | |
| spaces | 537 |
| Ryotaro Sato, An Abel-maximal ergodic theorem for semi-groups | 548 |
| H. A. Seid, Cyclic multiplication operators on L_p -spaces | 549 |
| H. B. Skerry, On matrix maps of entire sequences | 562 |
| J. B. Sullivan, A proof of the finite generation of invariants of | |
| a normal subgroup | 571 |
| J. G. Thompson, Nonsolvable finite groups all of whose local subgroups | |
| are solvable, VI | 579 |
| are solvative, v1 | |
| K. J. Warne, Generalized &-Z-unipolent distinple semigroups | 051 |
| Toshihiko Yamada, On a splitting field of representations of a finite | GAC |
| group | 649 |
| | |

PACIFIC JOURNAL OF MATHEMATICS

EDITORS

RICHARD ARENS (Managing Editor)

University of California Los Angeles, California 90024 J. Dugundji*

Department of Mathematics University of Southern California Los Angeles, California 90007

R. A. BEAUMONT

University of Washington Seattle, Washington 98105 D. GILBARG AND J. MILGRAM

Stanford University Stanford, California 94305

ASSOCIATE EDITORS

E. F. BECKENBACH

B. H. NEUMANN

F. Wolf

K. Yoshida

SUPPORTING INSTITUTIONS

UNIVERSITY OF BRITISH COLUMBIA
CALIFORNIA INSTITUTE OF TECHNOLOGY
UNIVERSITY OF CALIFORNIA
MONTANA STATE UNIVERSITY
UNIVERSITY OF NEVADA
NEW MEXICO STATE UNIVERSITY
OREGON STATE UNIVERSITY
UNIVERSITY OF OREGON
OSAKA UNIVERSITY

UNIVERSITY OF SOUTHERN CALIFORNIA STANFORD UNIVERSITY UNIVERSITY OF TOKYO UNIVERSITY OF UTAH WASHINGTON STATE UNIVERSITY UNIVERSITY OF WASHINGTON

AMERICAN MATHEMATICAL SOCIETY
NAVAL WEAPONS CENTER

The Supporting Institutions listed above contribute to the cost of publication of this Journal, but they are not owners or publishers and have no responsibility for its content or policies.

Mathematical papers intended for publication in the *Pacific Journal of Mathematics* should be in typed form or offset-reproduced, (not dittoed), double spaced with large margins. Underline Greek letters in red, German in green, and script in blue. The first paragraph or two must be capable of being used separately as a synopsis of the entire paper. Items of the bibliography should not be cited there unless absolutely necessary, in which case they must be identified by author and Journal, rather than by item number. Manuscripts, in duplicate if possible, may be sent to any one of the four editors. Please classify according to the scheme of Math. Rev. Index to Vol. 39. All other communications to the editors should be addressed to the managing editor, or Elaine Barth, University of California, Los Angeles, California, 90024.

100 reprints are provided free for each article, only if page charges have been substantially paid. Additional copies may be obtained at cost in multiples of 50.

The *Pacific of Journal Mathematics* is issued monthly as of January 1966. Regular subscription rate: \$72.00 a year (6 Vols., 12 issues). Special rate: \$36.00 a year to individual members of supporting institutions.

Subscriptions, orders for back numbers, and changes of address should be sent to Pacific Journal of Mathematics, 103 Highland Boulevard, Berkeley, California, 94708.

PUBLISHED BY PACIFIC JOURNAL OF MATHEMATICS, A NON-PROFIT CORPORATION Printed at Kokusai Bunken Insatsusha (International Academic Printing Co., Ltd.), 270, 3-chome Totsuka-cho, Shinjuku-ku, Tokyo 160, Japan.

* C. R. DePrima California Institute of Technology, Pasadena, CA 91109, will replace J. Dugundji until August 1974.

Copyright © 1973 by Pacific Journal of Mathematics Manufactured and first issued in Japan