

Pacific Journal of Mathematics

| | |
|--|-----|
| H. S. Bear and Bertram Walsh, <i>Integral kernel for one-part function spaces</i> | 209 |
| Mario Borelli, <i>Some results on ampleness and divisorial schemes</i> | 217 |
| J. A. Erdos, <i>Unitary invariants for nests</i> | 229 |
| Nathaniel Grossman, <i>The volume of a totally-geodesic hypersurface in a pinched manifold</i> | 257 |
| D. M. Hyman, <i>A generalization of the Borsuk-Whitehead-Hanner theorem</i> | 263 |
| I. M. Isaacs, <i>Finite groups with small character degrees and large prime divisors</i> | 273 |
| I. M. Isaacs, <i>Two solvability theorems</i> | 281 |
| William L. Johnson, <i>The characteristic function of a harmonic function in a locally euclidean space</i> | 291 |
| Ralph Kopperman, <i>Applications of infinitary languages to metric spaces</i> | 299 |
| John L. MacDonald, <i>Relative functor representability</i> | 311 |
| Mahendra Nadkarni, <i>A class of measures on the Bohr group</i> | 321 |
| Keith Phillips, <i>Hilbert transforms for the p-adic and p-series fields</i> | 329 |
| N. R. Reilly and H. E. Scheiblich, <i>Congruences on regular semigroups</i> | 349 |
| Neil W. Rickert, <i>Measures whose range is a ball</i> | 361 |
| Gideon Schwarz, <i>Variations on vector measures</i> | 373 |
| R. C. Riddell, <i>Spectral concentration for self-adjoint operators</i> | 377 |
| Haskell P. Rosenthal, <i>A characterization of restrictions of Fourier-Stieltjes transforms</i> | 403 |

PACIFIC JOURNAL OF MATHEMATICS

EDITORS

H. ROYDEN
Stanford University
Stanford, California

J. DUGUNDJI
Department of Mathematics
Rice University
Houston, Texas 77001

J. P. JANS
University of Washington
Seattle, Washington 98105

RICHARD ARENS
University of California
Los Angeles, California 90024

ASSOCIATE EDITORS

E. F. BECKENBACH

B. H. NEUMANN

F. WOLF

K. YOSIDA

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
CHEVRON RESEARCH CORPORATION
TRW SYSTEMS
NAVAL ORDNANCE TEST STATION

Mathematical papers intended for publication in the *Pacific Journal of Mathematics* should be typewritten (double spaced). The first paragraph or two must be capable of being used separately as a synopsis of the entire paper. It should not contain references to the bibliography. Manuscripts may be sent to any one of the four editors. All other communications to the editors should be addressed to the managing editor, Richard Arens at the University of California, Los Angeles, California 90024.

50 reprints per author of each article are furnished free of charge; additional copies may be obtained at cost in multiples of 50.

The *Pacific Journal of Mathematics* is published monthly. Effective with Volume 16 the price per volume (3 numbers) is \$8.00; single issues, \$3.00. Special price for current issues to individual faculty members of supporting institutions and to individual members of the American Mathematical Society: \$4.00 per volume; single issues \$1.50. Back numbers are available.

Subscriptions, orders for back numbers, and changes of address should be sent to Pacific Journal of Mathematics, 103 Highland Boulevard, Berkeley 8, California.

Printed at Kokusai Bunken Insatsusha (International Academic Printing Co., Ltd.), 7-17, Fujimi 2-chome, Chiyoda-ku, Tokyo, Japan.

PUBLISHED BY PACIFIC JOURNAL OF MATHEMATICS, A NON-PROFIT CORPORATION

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.