## Pacific <br> Journal of Mathematics

J. E. Coury, Walsh series with coefficients tending monotonically to zero ..... 1
P. M. Fitzpatrick and W. V. Petryshyn, Fixed point theorems for multivalued noncompact acyclic mappings ..... 17
I. Glicksberg, More on Phragmén-Lindelöff for function algebras ..... 25
Adilson Gonçalves, Structural Constants II ..... 39
R. P. Gosselin, Closure theorems for afine transformation groups ..... 53
Ralph P. Grimaldi, Baer and UT-modules over domains ..... 59
Edward H. Grossman, On ihe prime ideal divisors of $\left(a^{n}-b^{n}\right)$ ..... 73
A. Hedayat and E. Seiden, On the theory and application of sum composition of latin squares and orthogonal latin squares ..... 85
Gerald L. Itzkowitz, Continuous measures, Baire category, and uniform continuity in topological groups ..... 115
Francis E. Masat, Right simple congruences on a semigroup ..... 127
Robert H. Oehmke, Right congruences and semisimplicity for Rees matrix semigroups ..... 143
Q. I. Rahman and L. Stankiewicz, Differential Inequalities and local valency ..... 165
W. J. Reed, Random points in a simplex ..... 183
Mohan S. Shrikhande, Strongly regular graphs and group divisible designs ..... 199
Zahava Shmuely, The structure of Galois connections ..... 209
Robert C. Shock, Dual generalizations of the Artinian and Noetherian conditions ..... 227
A. Stray, Approximation and interpolation for some spaces of analytic functions in the unit disc ..... 237
Eldon J. Vought, Monotone decompositions into trees of Hausdorff continua irreducible about a finite subset ..... 253
James F. Wirth, The mapping cylinder axiom for WCHP fibrations ..... 263
Gordon S. Woodward, Invarient means and ergodic sets in Fourier analysis281

# PACIFIC JOURNAL OF MATHEMATICS 

## EDITORS

Richard Arens (Managing Editor)
University of California
Los Angeles, California, 90024

## J. Dugundil

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

R. A. Beaumont<br>University of Washington<br>Seattle, Washington 98105<br>D. Gillbarg and J. Milgram<br>Stanford University<br>Stanford, California 94305

## ASSOCIATE EDITORS

E. F. BECKENBACH<br>B. H. Neumann<br>F. Wolf<br>K. Yoshida

## SUPPORTING INSTITUTIONS

UNIVERSITY OF BRITISH COLUMBIA<br>CALIFORNIA INST. OF TECHNOLOGY<br>UNIVERSITY OF CALIFORNIA<br>MONTANA STATE UNIVERSITY UNIVERSITY OF NEVADA<br>NEW MEXICO STATE UNIVERSITY<br>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 five 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 Journal of 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 90708.

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

Copyright © 1974 by Pacific Journal of Mathematics
Manufactured and first issued in the U.S.A.

