

Pacific Journal of Mathematics

VOLUME LXVI

1976

CONTENTS

Helen E. Adams, <i>Factorization-prime ideals in integral domains</i>	1
Patrick Ahern and Robert Schneider, <i>The boundary behavior of Henkin's kernel</i>	9
D. D. Anderson, J. Matijevic and W. Nichols, <i>The Krull Intersection Theorem II</i>	15
Efraim P. Armendariz, <i>On semiprime P.I.-algebras over commutative regular rings</i>	23
Gerald Beer, <i>Tax structures whose progressivity is inflation neutral</i>	305
Robert H. Bird and Charles J. Parry, <i>Integral bases for bicyclic biquadratic fields over quadratic subfields</i>	29
T. H. Choe and Y. H. Hong, <i>Extensions of completely regular ordered spaces</i>	37
William M. Cornette, <i>A generalization of the unit interval</i>	313
John Dauns, <i>Generalized monoform and quasi-injective modules</i>	49
F. S. De Blasi, <i>On the differentiability of multifunctions</i>	67
Paul Eakin and Avinash Sathaye, <i>R-endomorphisms of $R[[X]]$ are essentially continuous</i>	83
Larry Q. Eifler, <i>Open mapping theorems for probability measures on metric spaces</i>	89
Garret J. Etgen and James F. Pawlowski, <i>Oscillation criteria for second order self adjoint differential systems</i>	99
David E. Evans, <i>Unbounded completely positive linear maps on C^*-algebras</i>	325
H. O. Fattorini, <i>Some remarks on convolution equations for vector-valued distributions</i>	347
A. Fauntleroy, <i>Automorphism groups of unipotent groups of Chevalley type</i>	373
Christian C. Fenske and Heinz-Otto Peitgen, <i>On fixed points of zero index in asymptotic fixed point theory</i>	391
Ronald Fintushel, <i>Local S^1 actions on 3-manifolds</i>	111
K. R. Goodearl, <i>Choquet simplexes and σ-convex faces</i>	119
John R. Graef, <i>Some nonoscillation criteria for higher order nonlinear differential equations</i>	125
Charles H. Heiberg, <i>Norms of powers of absolutely convergent Fourier series: an example</i>	131
Atsushi Inoue, <i>On a class of unbounded operator algebras II</i>	411
Herbert Kamowitz, <i>The spectra of endomorphisms of algebras of analytic functions</i>	433
L. A. Karlovitz, <i>Existence of fixed points of nonexpansive mappings in a space without normal structure</i>	153

G. S. Ladde, <i>Systems of functional differential inequalities and functional differential systems</i>	161
Joseph M. Lambert, <i>Conditions for simultaneous approximation and interpolation with norm preservation in $C[a, b]$</i>	173
Ernest P. Lane, <i>Insertion of a continuous function</i>	181
Jimmie D. Lawson, <i>Embeddings of compact convex sets and locally compact cones</i>	443
R. F. Lax, <i>Weierstrass points of products of Riemann surfaces</i>	191
W. F. Lindgren and P. J. Nyikos, <i>Spaces with bases satisfying certain order and intersection properties</i>	455
Emily Mann Peck, <i>Lattice projections on continuous function spaces</i>	477
Morris Marden and Peter A. McCoy, <i>Level sets of polynomials in n real variables</i>	491
Dan McCord, <i>An estimate of the Nielsen number and an example concerning the Lefschetz fixed point theorem</i>	195
P. Milnes and J. S. Pym, <i>Counterexample in the theory of continuous functions on topological groups</i>	205
Francis J. Narcowich, <i>An imbedding theorem for indeterminate Hermitian moment sequences</i>	499
John D. O'Neill, <i>Rings whose additive subgroups are subrings</i>	509
P. J. de Paepe, <i>Homomorphism spaces of algebras of holomorphic functions</i>	211
Judith A. Palagallo, <i>A representation of additive functionals on L^p-spaces, $0 < p < 1$</i>	221
C. Park and D. L. Skoug, <i>Wiener integrals over the sets bounded by sectionally continuous barriers</i>	523
S. M. Patel, <i>On generalized numerical ranges</i>	235
Thomas T. Read, <i>A limit-point criterion for expressions with oscillatory coefficients</i>	243
Elemer E. Rosinger, <i>Division of distributions</i>	257
Vladimir Scheffer, <i>Partial regularity of solutions to the Navier–Stokes equations</i>	535
Peter S. Shoenfeld, <i>Highly proximal and generalized almost finite extensions of minimal sets</i>	265
R. Sirois-Dumais and S. Willard, <i>Quotient-universal sequential spaces</i>	281
Eugene Spiegel and Allan Trojan, <i>On semi-simple group algebras II</i> ..	553
Katsuo Takano, <i>On Cameron and Storvick's operator-valued function space integral</i>	561
R. C. Thompson, <i>Convex and concave functions of singular values of matrix sums</i>	285
E. D. Tymchatyn, <i>Some n-arc theorems</i>	291
Jang-Mei G. Wu, <i>Variation of Green's potential</i>	295

Pacific Journal of Mathematics

Helen E. Adams, <i>Factorization-prime ideals in integral domains</i>	1
Patrick Ahern and Robert Schneider, <i>The boundary behavior of Henkin's kernel</i>	9
D. D. Anderson, J. Matijevic and W. Nichols, <i>The Krull Intersection Theorem II</i>	15
Efraim P. Armendariz, <i>On semiprime P.I.-algebras over commutative regular rings</i>	23
Robert H. Bird and Charles J. Parry, <i>Integral bases for bicyclic biquadratic fields over quadratic subfields</i>	29
T. H. Choe and Y. H. Hong, <i>Extensions of completely regular ordered spaces</i>	37
John Dauns, <i>Generalized monoform and quasi-injective modules</i>	49
F. S. De Blasi, <i>On the differentiability of multifunctions</i>	67
Paul Eakin and Avinash Sathaye, <i>R-endomorphisms of $R[[X]]$ are essentially continuous</i>	83
Larry Q. Eifler, <i>Open mapping theorems for probability measures on metric spaces</i>	99
Garret J. Etgen and James F. Pawlowski, <i>Oscillation criteria for second order self adjoint differential systems</i>	99
Ronald Fintushel, <i>Local S^1 actions on 3-manifolds</i>	111
K. R. Goodearl, <i>Choquet simplexes and σ-convex faces</i>	119
John R. Graef, <i>Some nonoscillation criteria for higher order nonlinear differential equations</i>	125
Charles H. Heiberg, <i>Norms of powers of absolutely convergent Fourier series: an example</i>	131
L. A. Karlovitz, <i>Existence of fixed points of nonexpansive mappings in a space without normal structure</i>	153
G. S. Ladde, <i>Systems of functional differential inequalities and functional differential systems</i>	161
Joseph M. Lambert, <i>Conditions for simultaneous approximation and interpolation with norm preservation in $C[a, b]$</i>	173
Ernest P. Lane, <i>Insertion of a continuous function</i>	181
R. F. Lax, <i>Weierstrass points of products of Riemann surfaces</i>	191
Dan McCord, <i>An estimate of the Nielsen number and an example concerning the Lefschetz fixed point theorem</i>	195
P. Milnes and J. S. Pym, <i>Counterexample in the theory of continuous functions on topological groups</i>	205
P. J. de Paepe, <i>Homomorphism spaces of algebras of holomorphic functions</i>	211
Judith A. Palagallo, <i>A representation of additive functionals on L^p-spaces, $0 < p < 1$</i>	221
S. M. Patel, <i>On generalized numerical ranges</i>	235
Thomas T. Read, <i>A limit-point criterion for expressions with oscillatory coefficients</i>	243
Elemer E. Rosinger, <i>Division of distributions</i>	257
Peter S. Shoenfeld, <i>Highly proximal and generalized almost finite extensions of minimal sets</i>	265
R. Sirois-Dumais and S. Willard, <i>Quotient-universal sequential spaces</i>	281
R. C. Thompson, <i>Convex and concave functions of singular values of matrix sums</i>	285
E. D. Tymchatyn, <i>Some n-arc theorems</i>	291
Jang-Mei G. Wu, <i>Variation of Green's potential</i>	295

PACIFIC JOURNAL OF MATHEMATICS

EDITORS

RICHARD ARENS (Managing Editor)
University of California
Los Angeles, CA 90024

J. DUGUNDJI
Department of Mathematics
University of Southern California
Los Angeles, CA 90007

R. A. BEAUMONT
University of Washington
Seattle, WA 98105

D. GILBARG AND J. MILGRAM
Stanford University
Stanford, CA 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 HAWAII
UNIVERSITY OF TOKYO
UNIVERSITY OF UTAH
WASHINGTON STATE UNIVERSITY
UNIVERSITY OF WASHINGTON

* * *

AMERICAN MATHEMATICAL SOCIETY

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 contents 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, may be sent to any one of the four editors. Please classify according to the scheme of Math. Reviews, Index to Vol. 39. All other communications 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, 94708.

PUBLISHED BY PACIFIC JOURNAL OF MATHEMATICS, A NON-PROFIT CORPORATION
Printed at Jerusalem Academic Press, POB 2390, Jerusalem, Israel.

Copyright © 1976 Pacific Journal of Mathematics
All Rights Reserved