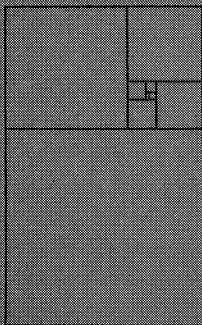


Pacific Journal of Mathematics

A. V. Balakrishnan, <i>Prediction theory for Markoff processes</i>	1171
Dallas Banks, <i>Upper bounds for the eigenvalues of some vibrating systems</i>	1183
A. Bialynicki-Birula, <i>On the field of rational functions of algebraic groups</i>	1205
Thomas A. Brown, <i>Simple paths on convex polyhedra</i>	1211
L. Carlitz, <i>Some congruences for the bell polynomials</i>	1215
Paul Civin, <i>Extensions of homomorphisms</i>	1223
Paul J. Cohen and Milton Lees, <i>Asymptotic decay of solutions of differential inequalities</i>	1235
I. Fáry, <i>Self-intersection of a sphere on a complex quadric</i>	1251
Walter Feit and John G. Thompson, <i>Groups which have a faithful representation of degree less than $(p - 1/2)$</i>	1257
William J. Firey, <i>Mean cross-section measures of harmonic means of convex bodies</i>	1263
Avner Friedman, <i>The wave equation for differential forms</i>	1267
B. R. Gelbaum and J. Gil de Lamadrid, <i>Bases of tensor products of Banach spaces</i>	1281
R. K. Getoor, <i>Infinitely divisible probabilities on the hyperbolic plane</i>	1287
Basil Gordon, <i>Sequences in groups with partial products</i>	1309
Magnus R. Hestenes, <i>Relative self-adjoint operators in Hilbert space</i>	1315
Fu Cheng Hsiang, <i>On a theorem of Fejér</i>	1359
John M. Irwin and Elbert A. Walker, <i>On N-high subgroups of Abelian groups</i>	1363
John M. Irwin, <i>High subgroups of Abelian torsion groups</i>	1375
R. E. Johnson, <i>Quotient rings of rings with zero singular ideal</i>	1385
David G. Kendall and J. L. Mott, <i>The asymptotic distribution of the time-to-escape for comets strongly bound to the solar system</i>	1393
Kurt Kreith, <i>The spectrum of singular self-adjoint elliptic operators</i>	1401
Lionello Lombardi, <i>The semicontinuity of the most general integral of the calculus of variations in non-parametric form</i>	1407
Albert W. Marshall and Ingram Olkin, <i>Game theoretic proof that Chebyshev inequalities are sharp</i>	1421
Wallace S. Martindale, 3rd., <i>Primitive algebras with involution</i>	1431
W. H. Mills, <i>Decomposition of holomorphs</i>	1443
Donald Monk, <i>On the representation theory for cylindric algebras</i>	1447
Shu-Teh C. Moy, <i>A note on generalization of Shannon-McMillan theorem</i>	1459
Donald E. Myers, <i>An imbedding space for Schwartz distributions</i>	1467
J. Myhill, <i>Category methods in recursion theory</i>	1479
Paul A. Nickel, <i>On extremal properties for annular radical and circular slit mappings of bordered Riemann surfaces</i>	1487
Edward S. O'keefe, <i>Primal clusters of two-element algebras</i>	1505
Nelson Onuchic, <i>Applications of the topological method of Wazewski to certain problems of asymptotic behavior in ordinary differential equations</i>	1511
Peter Perkins, <i>A theorem on regular matrices</i>	1529
C. M. Petty, <i>Centroid surfaces</i>	1535
C. A. Swanson, <i>Asymptotic estimates for limit circle problems</i>	1549
Robert J. Thompson, <i>On essential absolute continuity</i>	1561
Correction to "On terminating prolongation procedures" by H. H. Johnson ..	1571



PACIFIC JOURNAL OF MATHEMATICS

EDITORS

RALPH S. PHILLIPS

Stanford University
Stanford, California

F. H. BROWNELL

University of Washington
Seattle 5, Washington

A. L. WHITEMAN

University of Southern California
Los Angeles 7, California

L. J. PAIGE

University of California
Los Angeles 24, California

ASSOCIATE EDITORS

E. F. BECKENBACH
T. M. CHERRY

D. DERRY
M. OHTSUKA

H. L. ROYDEN
E. SPANIER

E. G. STRAUS
F. WOLF

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 COLLEGE
UNIVERSITY OF OREGON
OSAKA UNIVERSITY
UNIVERSITY OF SOUTHERN CALIFORNIA

STANFORD UNIVERSITY
UNIVERSITY OF TOKYO
UNIVERSITY OF UTAH
WASHINGTON STATE COLLEGE
UNIVERSITY OF WASHINGTON
* * *

AMERICAN MATHEMATICAL SOCIETY
CALIFORNIA RESEARCH CORPORATION
HUGHES AIRCRAFT COMPANY
SPACE TECHNOLOGY LABORATORIES
NAVAL ORDNANCE TEST STATION

Mathematical papers intended for publication in the *Pacific Journal of Mathematics* should be typewritten (double spaced), and the author should keep a complete copy. Manuscripts may be sent to any one of the four editors. All other communications to the editors should be addressed to the managing editor, L. J. Paige at the University of California, Los Angeles 24, California.

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 quarterly, in March, June, September, and December. The price per volume (4 numbers) is \$12.00; single issues, \$3.50. Back numbers are available. Special price to individual faculty members of supporting institutions and to individual members of the American Mathematical Society: \$4.00 per volume; single issues, \$1.25.

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.), No. 6, 2-chome, Fujimi-cho, 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.

Reprinted 1966 in the United States of America