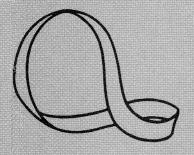
Pacific Journal of Mathematics



IN THIS ISSUE-

coefficients431
Richard Arens, A generalization of normed rings455
I. Barsotti, Intersection theory for cycles of an algebraic variety473
Leonard M. Blumenthal, Two existence theorems for systems of linear inequalities523
F. H. Brownell, Translation invariant measure over separable Hilbert space and other translation spaces531
J. W. S. Cassels, On a paper of Niven and Zuckerman555
Nelson Dunford, Spectral theory II. Resolutions of the identity559
Eugene Lukacs and Otto Szász, On analytic characteristic functions
W. A. Mersman, Evaluation of an integral occurring in servomech- anism theory627
L. E. Payne and Alexander Weinstein, Capacity, virtual mass, and generalized symmetrization633
Choy-Tak Taam, The boundedness of the solutions of a differential equation in the complex domain643

Samuel Agmon On the singularities of Taylor series with reciprocal

Vol. II, No. 4

December, 1952

PACIFIC JOURNAL OF MATHEMATICS

EDITORS

R. M. ROBINSON

University of California Berkeley 4, California *R. P. DILWORTH

California Institute of Technology Pasadena 4, California

E. F. BECKENBACH, Managing Editor

University of California Los Angeles 24, California

ASSOCIATE EDITORS

R. P. DILWORTH P. R. HALMOS BØRGE JESSEN J. J. STOKER
HERBERT FEDERER HEINZ HOPF PAUL LÉVY E. G. STRAUS
MARSHALL HALL R. D. JAMES GEORGE PÓLYA KÖSAKU YOSIDA

SPONSORS

UNIVERSITY OF BRITISH COLUMBIA
CALIFORNIA INSTITUTE OF TECHNOLOGY
UNIVERSITY OF CALIFORNIA, BERKELEY
UNIVERSITY OF CALIFORNIA, DAVIS
UNIVERSITY OF CALIFORNIA, LOS ANGELES
UNIVERSITY OF CALIFORNIA, SANTA BARBARA
OREGON STATE COLLEGE
UNIVERSITY OF OREGON

UNIVERSITY OF SOUTHERN CALIFORNIA STANFORD UNIVERSITY WASHINGTON STATE COLLEGE UNIVERSITY OF WASHINGTON

AMERICAN MATHEMATICAL SOCIETY
NATIONAL BUREAU OF STANDARDS,
INSTITUTE FOR NUMERICAL ANALYSIS

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 of the editors. All other communications to the editors should be addressed to the managing editor, E. F. Beckenbach, at the address given above.

Authors are entitled to receive 100 free reprints of their published papers and may obtain additional copies at cost.

The Pacific Journal of Mathematics is published quarterly, in March, June, September, and December, by the University of California, Berkeley 4, California. The price per volume (4 numbers) is \$8.00; single issues, \$2.50. 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 the publishers, University of California Press, Berkeley 4, California.

Printed at Ann Arbor, Michigan. Entered as second class matter at the Post Office, Berkeley, California.

UNIVERSITY OF CALIFORNIA PRESS . BERKELEY AND LOS ANGELES

COPYRIGHT 1952 BY PACIFIC JOURNAL OF MATHEMATICS

^{*}During the absence of Herbert Busemann in 1952.