

The

Michigan Mathematical Journal

EDITORIAL BOARD

Lipman Bers
Wilfred Kaplan
Irving Kaplansky
Edwin E. Moise
George Y. Rainich
Raymond L. Wilder

MANAGING EDITOR

George Piranian

THE UNIVERSITY OF MICHIGAN PRESS

ANN ARBOR, MICHIGAN, U.S.A.

TABLE OF CONTENTS

VOLUME 3, 1955-1956

		Page
F. Bagemihl	A note on power series and area	133
F. Bagemihl and W. Seidel	Functions of bounded characteristic with prescribed ambiguous points	77
R. W. Bagley	A note on topologies on 2^{\aleph_1}	105
E. G. Begle	The Vietoris mapping theorem for bicom- pact spaces II	179
R. P. Boas, Jr.	Interference phenomena for entire functions	123
William E. Briggs	Some constants associated with the Riemann zeta- function	117
Wm. P. Brown	An algebra related to the orthogonal group	1
R. V. Churchill	Generalized finite Fourier cosine transforms	85
A. B. Clarke	A theorem on simple cardinal algebras	113
A. H. Copeland, Sr.	Note on cylindric algebras and polyadic algebras	155
A. Dvoretzky and P. Erdős	On power series diverging everywhere on the circle of convergence	31
W. F. Eberlein	The point spectrum of weakly almost periodic func- tions	137
P. Erdős and A. Dvoretzky, see A. Dvoretzky and P. Erdős.		
F. W. Gehring	On the Dirichlet problem	201
Leonard Gillman	On a theorem of Mahlo concerning anti-homogeneous sets	173
Frank Harary	Note on an enumeration theorem of Davis and Slepian	149
_____	Note on the Pólya and Otter formulas for enumerat- ing trees	109
_____	On local balance and N-balance in signed graphs	37
Melvin Henriksen	Some remarks on elementary divisor rings II	159
Fritz Herzog and George Piranian	Some point sets associated with Taylor series	69
James A. Jenkins	On a problem of Lusin	187
M. Kac	Distribution of eigenvalues of certain integral operators	141
Wilfred Kaplan	Approximation by entire functions	43
Carl W. Kohls	On the embedding of a generalized regular ring in a ring with identity	165
A. J. Lohwater and G. Piranian	On a conjecture of Lusin	63

TABLE OF CONTENTS

		Page
R. C. Lyndon	A theorem of Friedrichs	27
Rolf Nevanlinna	A remark on differentiable mappings	53
George Piranian	The derived sets of a linear set	83
G. Piranian and F. Herzog,	see F. Herzog and G. Piranian.	
G. Piranian and A. J. Lohwater,	see A. J. Lohwater and G. Piranian.	
G. Piranian and W. Rudin	Lusin's theorem on areas of conformal maps	191
Maxwell O. Reade	On close-to-convex univalent functions	59
R. K. Ritt	A generalization of inner product	23
W. Rudin and G. Piranian,	see G. Piranian and W. Rudin.	
W. Seidel and F. Bagemihl,	see F. Bagemihl and W. Seidel.	
Charles Standish	On the representation of a function by a Poisson transform	95
R. L. Wilder	Concerning a problem of Alexandroff	181
Fred B. Wright	Semigroups and submodular functions	169

CORRIGENDA

F. Bagemihl, *A note on power series and area.*

On p. 134, line 17, replace "nowhere dense" by "of first category."

R. W. Bagley, *A note on topologies in 2^{\aleph_1} .*

On p. 106, the statement in lines 11 and 12 is false. The statement was used in the proof of Theorem 4, but only as a superfluous remark, and none of the theorems is affected by the error. For a counter-example to the statement, see R. Arens, *Note on convergence in topology*, Math. Mag. 23 (1950), 229-234, especially p. 233. The example should be altered slightly. The set B in Arens' example should be the capitals in A plus those capitals of columns which A intersects in infinite sets.

CONTENTS

	Page
R. W. Bagley	
A note on topologies on 2^{\aleph_t}	105
Frank Harary	
Note on the Pólya and Otter formulas for enumerating trees	109
A. B. Clarke	
A theorem on simple cardinal algebras	113
William E. Briggs	
Some constants associated with the Riemann zeta-function	117
R. P. Boas, Jr.	
Interference phenomena for entire functions	123
F. Bagemihl	
A note on power series and area	133
W. F. Eberlein	
The point spectrum of weakly almost periodic functions	137
M. Kac	
Distribution of eigenvalues of certain integral operators	141
Frank Harary	
Note on an enumeration theorem of Davis and Slepian	149
A. H. Copeland, Sr.	
Note on cylindric algebras and polyadic algebras	155
Melvin Henriksen	
Some remarks on elementary divisor rings II	159
Carl W. Kohls	
On the embedding of a generalized regular ring in a ring with identity	165
Fred B. Wright	
Semigroups and submodular functions	169
Leonard Gillman	
On a theorem of Mahlo concerning anti-homogeneous sets	173
E. G. Begle	
The Vietoris mapping theorem for bicomact spaces II	179
R. L. Wilder	
Concerning a problem of Alexandroff	181
James A. Jenkins	
On a problem of Lusin	187
G. Piranian and W. Rudin	
Lusin's theorem on areas of conformal maps	191
F. W. Gehring	
On the Dirichlet problem	201

The Michigan Mathematical Journal is published by the University of Michigan Press, Ann Arbor, Michigan, U. S. A. Each volume consists of two or more issues of about 100 pages each. The price per issue is \$1 on direct orders from individuals, and \$3 on all other orders.

MICHIGAN MATHEMATICAL JOURNAL
 Department of Mathematics
 University of Michigan
 Ann Arbor, Michigan 48109

LITHO PRINTED IN THE UNITED STATES OF AMERICA BY
 CUSHING - MALLOY, INC., ANN ARBOR, MICHIGAN, 1956