

THE QUARTERLY JOURNAL OF MATHEMATICS

OXFORD SECOND SERIES

Edited by T. W. CHAUNDY, U. S. HASLAM-JONES, J. H. C. THOMPSON

VOLUME 8

No. 32

DECEMBER 1957

CONTENTS

- A. F. Hordam: A locus in [8] invariant under a group of order 51840×81
E. M. Patterson: On right-multiplication algebras
B. Kuttner: Some remarks on quasi-Hausdorff transformations
Siobhan O'Shea: Note on an integrability theorem for sine series
F. Downton: A note on Moran's theory of dams
P. A. P. Moran: Inequalities for the Bessel function $I_n(x)$
C. R. Marathe: A note on characteristic values of products of two matrices
D. B. Sears: Integral transforms over certain function spaces (II)
F. J. Rayner: Hensel's lemma
S. Verblunsky: On a class of integral functions

Quarterly Journal of Mathematics (Oxford Second Series) is published in March, June, September and December at 16s. net for a single number with an annual subscription (for four numbers) of 55s. post free. Orders may be placed with any bookseller or sent direct to the Publisher.

OXFORD UNIVERSITY PRESS
AMEN HOUSE, WARWICK SQUARE, LONDON, E. C. 4

BINDING

We shall be glad to undertake the binding of separate parts of *The Proceedings of the Glasgow Mathematical Association* into complete volumes at a cost of 18s. 6d. per volume.

Binding cases can be supplied separately at 5s. 6d.

Please send enquires to Binding Department.

OLIVER AND BOYD

Tweeddale Court, Edinburgh 1

UNIVERSITY MATHEMATICAL TEXTS

General Editors

ALEXANDER C. AITKEN, D.Sc., F.R.S., DANIEL E. RUTHERFORD, D.Sc., DR. MATH.

The Series provides compact and inexpensive text-books on standard topics of mathematics, the aim being to carry the reader from an elementary or intermediate grade up to an honours grade in each subject.

<i>Determinants and Matrices</i>	PROF. A. C. AITKEN, D.Sc., F.R.S.	7/6
<i>Statistical Mathematics</i>	PROF. A. C. AITKEN, D.Sc., F.R.S.	7/6
<i>Theory of Ordinary Differential Equations</i>	J. C. BURKILL, Sc.D., F.R.S.	8/6
<i>Waves</i>	PROF. C. A. COULSON, D.Sc., F.R.S.	7/6
<i>Electricity</i>	PROF. C. A. COULSON, D.Sc., F.R.S.	10/6
<i>Projective Geometry</i>	T. E. FAULKNER, Ph.D.	7/6
<i>Integration</i>	R. P. GILLESPIE, Ph.D.	6/-
<i>Partial Differentiation</i>	R. P. GILLESPIE, Ph.D.	7/6
<i>Infinite Series</i>	PROF. J. M. HYSLOP, D.Sc.	6/-
<i>Integration of Ordinary Differential Equations</i>	E. L. INCE, D.Sc.	7/6
<i>Introduction to the Theory of Finite Groups</i>	W. LEDERMANN, Ph.D., D.Sc.	8/6
<i>Analytical Geometry of Three Dimensions</i>	PROF. W. H. McCREA, Ph.D., B.Sc.	7/6
<i>A German-English Mathematical Vocabulary</i>	S. MACINTYRE, M.A., Ph.D. AND E. WITTE	8/6
<i>Topology</i>	E. M. PATTERSON, Ph.D.	8/6
<i>Functions of a Complex Variable</i>	E. G. PHILLIPS, M.A., M.Sc.	7/6
<i>Volume and Integral</i>	PROF. W. W. ROGOSINSKI, DR. PHIL., F.R.S.	10/6
<i>Vector Methods</i>	D. E. RUTHERFORD, D.Sc., DR. MATH.	7/6
<i>Classical Mechanics</i>	D. E. RUTHERFORD, D.Sc., DR. MATH.	10/6
<i>Special Functions of Mathematical Physics and Chemistry</i>	PROF. I. N. SNEDDON, M.A., D.Sc.	10/6
<i>Tensor Calculus</i>	BARRY SPAIN, B.A., M.Sc., Ph.D.	8/6
<i>Theory of Equations</i>	PROF. H. W. TURNBULL, F.R.S.	7/6

OLIVER AND BOYD

EDINBURGH : TWEEDDALE COURT
LONDON : 39A WELBECK STREET, W. 1