The Indian Mathematician

RAMANUJAN

Twelve lectures on subjects suggested by his life and work

By G. H. HARDY

With a frontispiece portrait. 25s. net

Ramanujan worked for most of his short life in almost complete ignorance of modern European mathematics, yet before his death at a little over thirty, when his mathematical education had hardly begun, he had become a Fellow of the Royal Society. This book, by his discoverer, is a study of the work and life of the young Indian—the most romantic figure in the recent history of mathematics.

THE THEORY AND APPLICATIONS OF HARMONIC INTEGRALS

By W. V. D. HODGE

21s. net

The subject of this book is the study of certain integrals defined by a type of space of importance in various branches of geometry—locally the space of Riemannian geometry, in large, an orientable manifold. In his early chapters Professor Hodge includes chapters on the geometry of space in which the integrals are defined; the properties of integrals on a manifold; and an introduction to harmonic integrals. The remainder of the book is concerned with the applications of the theory of harmonic integrals to other branches of mathematics.

THE CALCULUS OF EXTENSION

By HENRY GEORGE FORDER

31s. 6d. net

Grassman's Calculus of Extension is an abstract algebra with a wide range of applications; this book is mainly concerned with its use in Geometry. In the method of this book, equations are used involving the geometric entities themselves, such as points, lines, circles, or quadrics, and not their co-ordinates; to prove a geometric theorem is to prove such an equation, and as in most cases the equation turns out to be an identity, this gives an automatic method for proving geometric theorems. The book includes a treatment of matrices in the service of geometry.

CAMBRIDGE UNIVERSITY PRESS

CONTENTS

	PAGE
HODGE, W. V. D. A note on k-connexes	129
Goop, I. J. Some relations between certain methods of summation of infinite	
series. (With 1 Figure in the Text)	144
ROGOSINSKI, W. W. On Hausdorff's methods of summability	166
DIRAC, P. A. M., PEIERLS, R. and PRYCE, M. H. L. On Lorentz invariance	
in the quantum theory	193
EDDINGTON, SIR ARTHUR. On Lorentz invariance in the quantum theory. II	201
COULSON, C. A. Two-centre integrals occurring in the theory of molecular	
structure	210
ORB. WILLIAM J. C. On the determination of intermolecular energies by	
inductive analysis	224
RESEARCH NOTES:	
HODGE, W. V. D. Note on the degeneration of algebraic varieties .	231
	094
PEDOE, D. A remark on a property of a special pencil of quadrics .	234
RUSHBROOKE, G. S. The thermodynamic derivation of Fowler's adsorp-	
tion isotherm	236

LONDON: CAMBRIDGE UNIVERSITY PRESS INDIA: MACMILLAN

PRINTED IN GREAT BRITAIN BY W. LEWIS, M.A., AT THE UNIVERSITY PRESS, CAMBRIDGE

DUTCH REPRINT