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
GRUNDY, P. M. A generalization of additive ideal theory	241
SEDGWICK, W. F. On the theory of successive radioactive transformations .	280
JEFFREYS, BERTHA. Note on an anomaly in the spectrum of O^{++} .	290
HEITLER, W. and PENG, H. W. The influence of radiation damping on the scattering of mesons. II. Multiple processes	296
STOKES, A. R. and WILSON, A. J. C. A method of calculating the integral breadths of Debye-Scherrer lines	313
RESEARCH NOTE:	
WATSON, G. N. An infinite integral	323

LONDON: CAMBRIDGE UNIVERSITY PRESS INDIA: MACMILLAN

Dutch Photo Reprint