

THE MATHEMATICS STUDENT

(38)

EDITED BY

S. M. SHAH

WITH THE ASSISTANCE OF

P. T. BATEMAN P. L. BHATNAGAR HANSRAJ GUPTA
V. S. KRISHNAN S. MINAKSHISUNDARAM C. RACINE
K. G. RAMANATHAN M. S. RAMANUJAN B. R. SETH
J. A. SIDDIQI K. VENKATACHALIENGAR
M. VENKATARAMAN

Vol. XXVI

1958

PUBLISHED BY
THE INDIAN MATHEMATICAL SOCIETY

CONTENTS

PAPERS

RAM BALLABH : On the possibility of steady Beltrami flow in a viscous liquid	21
L. BRUTYAN : Advances in mathematics in U.S.S.R.	173
S. C. CHAKRABARTI : A few identities on higher differences	17
S. H. DWIVEDI : On entire functions of finite order	169
L. C. HSU : A few useful modification of Newton's approximation method of solving real equations	145
L. C. HSU : The uniform approximation to the Lipschitz class of functions by a kind of trigonometric polynomials	155
P. JHA : On the characteristic equation of rectilinear congruence	9
S. K. LAKSHMANA RAO : Turan's inequality for general Laguerre and Hermite functions	1
P. S. RAU : On positive definite quadratic forms	165
M. V. SUBBA RAO : Some properties of quadratic residues	7
M. V. SUBBA RAO : On representation of numbers as sum of two squares	161

MATHEMATICAL NOTES

A. A. GNANADOS : Concurrent θ -normals	182
M. PERISASTRI : A note on odd perfect numbers	179
P. S. RAU : The general conic and the conicoid	178
M. SATYANARAYANA : A note on Fermat and Mersenne's numbers	177

CLASSROOM NOTES

V. BALASUBRAMANIA SARMA : Invariants	186
V. BALASUBRAMANIA SARMA : A note on invariants	187
N. L. MARIA : Bisectors of the angles between the lines $ax^2 + 2hxy + by^2 = 0$	25
R. RAGHAVENDRAN : Concurrence of the normals	183
VAKRAGL : An extension of the operator formula	185
QUESTIONS AND SOLUTIONS :	27

BOOK REVIEWS

AUTHORS : R. V. ANDREE, p. 29; C. BRICKLEY and R. V. ANDREE, p. 189; V. ANNAPURNAIAH, p. 189; LAKSHMICHANDRA JAIN, p. 190. P. C. MAHALANOBIS p. 190.

REVIEWERS : V. KRISHNAMOORTHY, p. 29; A. R. KOKAN, p. 190; GORAKH PRASAD, p. 190; J. A. SIDDIQI, p. 189.

NEWS AND NOTICES : pp. 31-32, 139-140, 193-196.

REPORTS OF MEETINGS :

Report of the Twenty-third Conference of the Indian Mathematical Society : p. 33-138.