

PROCEEDINGS OF  
THE NATIONAL INSTITUTE OF SCIENCES OF INDIA

No 1

26 January 1955

Vol 21

CONTENTS

Self-Superposability in axially symmetrical Flows <i>by</i> PREM PRAKASH, M.A. ..	1
On 'Similarity' Solutions of Prandtl's boundary Layer Equations <i>by</i> LAKSHMI SANYAL, M.A. .. .. .	8
An X-ray Study on the Micellar and intermicellar Zones of some cellulose Fibres <i>by</i> B. K. BANERJEE, M.Sc., Ph.D. <i>and</i> D. M. CHAKRABURTTY, M.Sc. ..	15
Statistical Thermodynamics of Mixture of Bose-Einstein and Fermi-Dirac 'Liquids' <i>by</i> S. M. BHAGAT, M.Sc. <i>and</i> P. K. KATTI, M.Sc., Ph.D. ..	21
Study of the Mineral Physics of the ferruginous Manganese Ores of the Visakhapatnam District <i>by</i> B. S. R. RAO, D.Sc., D.I.C., Ph.D. <i>and</i> V. L. S. BHIMASANKARAM, M.Sc. .. .. .	44
On Ballistics of Composite Charges for Power Law of Burning <i>by</i> S. P. AGGARWAL, M.A. <i>and</i> A. K. MEHTA, M.A. .. .. .	55
Effect of Shot-start Pressure on Muzzle Velocity, Maximum Pressure and allied Quantities for Composite Charges <i>by</i> S. P. AGGARWAL, M.A. .. ..	63
The Effect of Exchange Potential on the Mass-Radius Relation for Cold Bodies <i>by</i> M. S. VARDYA, M.Sc. .. .. .	70