

CONTENTS

Page

ORIGINAL PAPERS:

FOUNDRY, SCIENCE

- V. V. Subba Rao and T. Rammohan*: Studies on Physical Properties of Homogeneous Sand Mixes .. 47

AUTOMATION

- R. Hariharan and S. N. Rao*: System Identification from Step Response .. 76

COMMUNICATION ENGINEERING

- Miss Glory John and S. K. Chatterjee*: Effects of Environment on the Surface Wave-Characteristics of a Dielectric-Coated Conductor .. 88

BOOK REVIEW

- Seshadri (C. V.) and Patankar (S. V.)*: Elements of Fluid Mechanics. Pp. 236. Prentice-Hall, New Delhi, India. 1971. Rs. 20.00 .. 104

- CALENDAR OF EVENTS .. 106
-

FORTHCOMING PAPERS:

Mrs. R. Chatterjee: Electro-Magnetic Boundary Value Problem of the Dielectric Coated Conducting Sphere excited by Delta-Function Electric and Magnetic Sources.

K. Rajaiah and Akella Kameswara Rao: Use of Hyperbolic Trigonometric Series in Rectangular Cartesian Co-ordinates for Problems with Arbitrary Rectilinear Boundaries.

P. Subramanian and M. S. Murthy: A Modified Vapour Phase Chromatographic Analysis for Residence time Distribution Studies.

G. Usha Devi and G. S. Krishna Rao: N-Nitroso-N-Benzyl-P-Toluene-sulphonamide.

M. R. Chidambara and N. Viswanadhan: Some New Applications of the Solution of $AX + XB = -Q$.

C. L. Khetrapal: NMR Spectroscopy of Molecules Dissolved in Liquid Crystal Solvents.