

Academy Proceedings in
Engineering Sciences

SĀDHANĀ

25 (111)
Volume 25 Part 1
February 2000



THE INDIAN ACADEMY OF SCIENCES
BANGALORE

Vol. 25, Part 1, February 2000

SĀDHANĀ

Academy Proceedings in Engineering Sciences

CONTENTS

- | | | |
|---|----|---|
| End depth in steeply sloping rough rectangular channels | 1 | <i>Subhasish Dey</i> |
| Effect of advanced injection timing on the performance of natural gas in diesel engines | 11 | <i>O M I Nwafor</i> |
| Behaviour of Lagrangian triangular mixed fluid finite elements | 21 | <i>S Gopalakrishnan and G Devi</i> |
| A study of correlation technique on pyramid processed images | 37 | <i>M Sankar Kishore and K Veerabhadra Rao</i> |
| Stochastic search techniques for post-fault restoration of electrical distribution systems | 45 | <i>V Susheela Devi and M Narasimha Murty</i> |
| Design, fabrication and performance evaluation of a 22-channel direct reading atomic emission spectrometer using inductively coupled plasma as a source of excitation | 57 | <i>R P Shukla, S S Bhattacharya, D V Udupa, T Jayasekharan, P P Khanna, S M Marathe, S Kumar, M N Patil, S V G Ravindranath, S Guha, M B Guhagarkar and A P Roy</i> |

Indian Academy of Sciences

• १

२९

Sādhanā 25: 1–70, February 2000