## Journal of the Indian Institute of Science Bangalore 560 012, India

Volume 70 May-June 1990 Number 3

## Special issue II-AI and Expert Systems at IISc

## CONTENTS

N. K. Sancheti, Y. V. Venkatesh and Y. N. Srikant	Two-dimensional object recognition using simulated annealing	197
Kanaka Krupakaran and V. V. S. Sarma	An expert system pilot aid for remote control of an unmanned vehicle—ESPA	213
K. P. Rao, S. Viswanath, S. Sridhara Murthy and C. Jayatheertha	An expert system approach for the design of composite laminates	231
K. S. Swarup and H. S. Chandrasekharaiah	Expert system approach to fault diagnosis of HVDC systems	249
Saugata Pramanik and P. Venkataram	Diagnosis of steady-state process behavior using rules derived from signed directed graph	269
HSc Theses Abstracts		283
Book Reviews		297