

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

*Volume 75*

*September–October 1995*

*Number 5*

**Special Issue on Fluid Mechanics-2**

**Contents**

Preface		493
C. Uberoi	Wave phenomena in space plasmas	495
Renuka Ravindran	Shock dynamics	517
Phoolan Prasad	Formation and propagation of singularities on a nonlinear wavefront and a shock front	537
Arnab Rai Choudhuri	Magnetohydrodynamic modelling of some aspects of the solar cycle	559
A. Chakrabarti B. N. Mandal S. Banerjea and T. Sahoo	Solution of a class of mixed boundary-value problems for Laplace's equation arising in water wave scattering	577
T. Sahoo and A. Chakrabarti	On the solution of the partially immersed vertical wave-maker problem in surface water waves	587
<b>IISc Theses Abstracts</b>		<b>597</b>
<b>Book Reviews</b>		<b>641</b>