

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

*Volume 66*

*April 1986*

*Number 4*

**CONTENTS**

T.S. Mruthyunjaya, S. Anantharaman, G.S. Udaya Suryan and K. Chandrasekaran	A comparison of three different techniques for optimal allocation of tolerances and clearances in four-bar function generators	191
S. Krishnamurthy and A. Ramamohana Rao	A comparative study of the performance of tufftrided and sursulf-treated low carbon steel gears	205
V.S. Konnur and M.A. Parameswaran	Designing a serrated trough for an oscillating conveyor	213
R.K. Dube and A.C. Rao	New characteristic polynomial—A reliable index to detect isomorphism between kinematic chains	227
S.K. Joshi and K. Lakshminarayana	Optimized driving mechanisms for oscillatory conveyors	235
D.P. Naik and C. Amarnath	Planar slider-crank mechanisms adjustable for prescribed dead center positions	247
Adnan M.J.Al-Najafi, A. Venkataraman and K.B.M. Nambudiripad	Impact dampers	253
<b>IISc Theses Abstracts</b>		263
<b>Book Reviews</b>		293