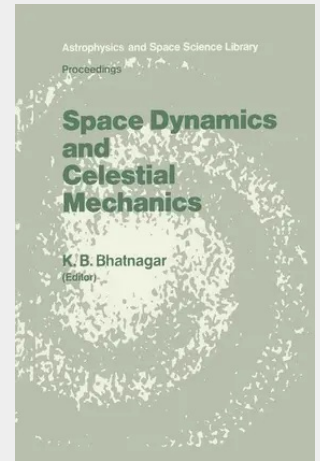


Space Dynamics and Celestial Mechanics

Proceedings of the International Workshop, Delhi, India, 14-16 November 1985

This volume contains the detailed text of the lectures delivered at the International Workshop on Space Dynamics and Celestial Mechanics held in Delhi, India during November 14-16, 1985. This workshop was organised under the joint sponsorship of University of Delhi, Delhi, Vikram Sarabhai Space Centre, Trivandrum (India) and the Space Programme of the University of Texas at Austin, Austin, USA. The main objective of the workshop was to review the current state of the art in the area of Space Dynamics and Celestial Mechanics through paper presentations, key note addresses, lectures and discussions, to expose the participants to more recent developments in various techniques, analytical as well as numerical, as applicable to Space Mechanics, to identify and assess the degree of augmentations desirable in respect of software packages available for this purpose with different centres and to establish contacts with experts in the vital field with a view to facilitate the inflow of technical information. The whole material of this volume has been organized into seven basic areas: (i) The key note address by Professor V. Szebehely, (ii) General Celestial Mechanics, (iii) Solar System and Natural Satellites, (iv) Stellar Systems and Galaxies, (v) Orbit Determination and Satellite Theory, (vi) Attitude Motion and (vii) Mission Planning and Control.

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