



Physics of the Solar System: Dynamics and Evolution, Space Physics, and Spacetime Structure

By B. Bertotti

Springer. Paperback. Book Condition: New. Paperback. 706 pages. Dimensions: 9.7in. x 6.2in. x 1.2in. This book is a direct sequel to: B. Bertotti and P. Farinella, *Physics of the Earth and the Solar System, Dynamics and Evolution. Space Navigation. Spacetime Structure* (Kluwer Academic Publishers, 1990). Nearly 15 years after its publication it became evident that the volume was in need of a new edition to keep up with the outstanding progress and the changing perspectives in this field. David Vokrouhlický agreed to collaborate on the project and be the third author. On March 25, 2000, after a long illness and a heart transplant, Paolo Farinella passed away. We then decided that, rather than aiming at a second edition, it made more sense to rewrite the book anew. While its basic content and the structure of the chapters are the same, important new topics have been added, including the extrasolar planetary systems, transneptunian objects, accurate determination of reference frames and new space projects. Greater relevance has been given to semi-quantitative discussions before introducing formal developments: many figures have been added and updated and several errors corrected. More emphasis has been given to the solar system, whereas geophysical topics have been...



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