



# Orbital Motion, Fourth Edition

By A. E. Roy

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Long established as one of the premier references in the fields of astronomy, planetary science, and physics, the fourth edition of **Orbital Motion** continues to offer comprehensive coverage of the analytical methods of classical celestial mechanics while introducing the recent numerical experiments on the orbital evolution of gravitating masses and the astrodynamics of artificial satellites and interplanetary probes.

Following detailed reviews of earlier editions by distinguished lecturers in the USA and Europe, the author has carefully revised and updated this edition. Each chapter provides a thorough introduction to prepare you for more complex concepts, reflecting a consistent perspective and cohesive organization that is used throughout the book. A noted expert in the field, the author not only discusses fundamental concepts, but also offers analyses of more complex topics, such as modern galactic studies and dynamical parallaxes.

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#### Review

Each chapter is accompanied by exercises (with answers and some hints) that are designed to give the student confidence. This book retains its usefulness as a comprehensive text on introductory celestial mechanics....

- James Collett in Physical Science Educational Reviews Vol. 7 No. 12, June 2006

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- Planet Space Science

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