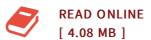




An Elementary Survey of Celestial Mechanics

By Y. Ryabov

Dover Publications Inc., United States, 2006. Paperback. Book Condition: New. 213 x 135 mm. Language: English . Brand New Book. An accessible exposition of gravitation theory and celestial mechanics, this classic, oft-cited work was written by a distinguished Soviet astronomer. It explains with exceptional clarity the methods used by physicists in studying celestial phenomena. A historical introduction explains the Ptolemaic view of planetary motion and its displacement by the studies of Copernicus, Kepler, and Newton. Succeeding chapters examine the making of celestial observations and measurements and explain such central concepts as the ecliptic, the orbital plane, the two- and three-body problems, and perturbed motion. Ryabov also describes how perturbations in the path of Uranus led to the discovery of Neptune, and he devotes considerable attention to satellites, including a detailed treatment of the first artificial satellite, Sputnik I. Additional topics include planetary rotation, the calculation of units of time, and the motions of the stars, with illustrations of how the law of gravity determines the shapes of galaxies. The book concludes with a deeper consideration of gravity, pointing out basic distinctions between classical and Einsteinian theories.



Reviews

An incredibly amazing ebook with perfect and lucid answers. It is writter in basic terms and never difficult to understand. Its been written in an exceptionally basic way and it is only right after i finished reading this ebook in which in fact modified me, affect the way i really believe.

-- Beverly Hoppe

Extremely helpful for all class of individuals. Better then never, though i am quite late in start reading this one. I realized this publication from my i and dad suggested this ebook to discover.

-- Adela Schroeder II