Physics for Everyone

Book 1

The aim of the authors, the late Lev Landau, Nobel and Lenin winner, and Prof, Alexander Kitaigorodsky, was to provide a clear understanding of the fundamental ideas and latest discoveries in physics, set forth in readily understandable language for the layman. The new and original manner in which the material is presented enables this book to be enjoyed by a wide range of readers, from those making the first acquaintance with physics to college graduates and others interested in this branch of science. The book may serve as an excellent instructional aid for physics teachers.

In this first of four, the motion of bodies is dealt with from the points af view of two observers: one in an inertial and the other in a non-inertial frame of reference. The law universal gravitation is discussed in detail, including its application for calculating space velocities and for interpreting lunar tides and various geophysical phenomena.

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