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Classical mechanics describes the motion of macroscopic objects, from projectiles to parts of machinery, and astronomical objects, such as spacecraft, planets, stars and galaxies.. If the present state of an object is known it is possible to predict by the laws of classical mechanics how it will move in the future (determinism) and how it has moved in the past (reversibility).

Classical mechanics - Wikipedia

This book is great for learning the topic for the first time, and even better once you're looking for a good reference at a later time. It goes very deeply into the physics and philosophy of classical mechanics.

Classical Mechanics: Pearson New International Edition

This article is missing information about the contributions of Islamic polymaths. Please expand the article to include this information. Further details may exist on the talk page. (October 2010)

History of classical mechanics - Wikipedia

For 30 years, this classic text has been the acknowledged standard in classical mechanics courses. Classical Mechanics enables students to make connections between classical and modern physics an indispensable part of a physicist s education.

Classical Mechanics: Herbert Goldstein, Charles P. Poole

Chapter 1 Lagrangian Mechanics Our introduction to Quantum Mechanics will be based on its correspondence to Classical Mechanics. For this purpose we will review the relevant concepts of Classical Mechanics.

Notes on Quantum Mechanics

The Archive for Rational Mechanics and Analysis nourishes the discipline of mechanics as a deductive, mathematical science in the classical tradition and promotes analysis, particularly in the context of application. Its purpose is ...

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This note provides an introduction to the mechanics of solids with applications to science and engineering. Itemphasize the three essential features of all mechanics analyses, namely: (a) the geometry of the motion and/or deformation of the structure, and conditions of geometric fit, (b) the forces on and within structures and assemblages; and (c) the physical aspects of the structural system ...

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