

## Mechanics (General Physics A simple tutorial)



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## MECHANICS (GENERAL PHYSICS A SIMPLE TUTORIAL)



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paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Pages Number: 323 Publisher: Peking University Pub. Date :2011-09-01 version 1. Mechanics (General Physics Concise Guide) (Music Week column. Zhang Gengmin) vector mechanics to classical mechanics as the main content. Chapter vector arithmetic and calculus from the basis. particle velocity and acceleration derived general formula and the formula for the rigid body kinematics. Chapter II describes the basic laws of particle dynamics (Newton's three laws) and their applications. Chapter 3 presents the mechanical principle of relativity. the introduction of the concept of inertial and non-inertial reference frame; in non-inertial reference frame. the introduction of inertia. and thus the basic laws of particle dynamics extended to non-inertial reference frame. Chapter IV. Chapter V starting from the basic laws of particle dynamics. particle motion first derived theorems (momentum. angular momentum theorem and kinetic energy theorem). then the introduction of particle groups in the center of mass and internal forces derived on the basis of the particle group movement theorem. As the particle group movement Theorem. describes the basic rigid body dynamics and fluid mechanics knowledge. Determined campaign is the application of particle kinematics and kinetics to solve practical problems the most perfect example is the bright spot in the history of classical mechanics. the foundation of modern space technology. it is described as the sixth chapter alone. Chapter VII describes mechanical vibration. First introduced and the solution of simple harmonic motion equations of motion. simple harmonic synthesis of concept and calculation method. Then were introduced damping vibration and forced vibration. focused on the vibration characteristics of weak damping and stability parameters of the forced vibration amplitude frequency response curve. Chapter VIII describes fluctuations. first introduced the kinematic equations and harmonic mechanical...

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