



Mechanics (Third Edition)

By S.L. Kakani, C. Hemrajani, Shubhra Kakani

Viva Books Private Limited, 2015. Softcover. Book Condition: New. 3rd edition. Description: A Textbook for B.Sc. (General and Hons.) and B.Tech. Written in clear and friendly style according to the latest curriculum of UGC and various Indian and foreign universities, the subject matter has been selected and developed in such a manner as to provide a bridge between advanced and introductory level courses. Problem solving skills are central to this text. A good number of worked out problems are given to illustrate and supplement the text besides review questions and exercises. A large number of short answer questions, objective type questions are given to meet the requirements for various entrance, UGC-CSIR, NET-SLET, IIT-JEE, UPSC examinations. In thirteen chapters, the book deals with all aspects of mechanics. Special chapters on analytical mechanics, chaos and fractals, relativistic mechanics and quantum mechanics, etc. make the text quite useful for advanced studies. Contents: Chapter 1: VECTORS ? Introduction ? Scalar or dot product ? Vector or cross product ? Examples of scalar and vector products in physics ? Multiple products ? Vector derivatives ? Scalar and vector fields ? The gradient of scalar field ? The concept of divergence and Gauss's theorem ? Green's...



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