

## Mechanical Engineering Practice Guide (Engineering Training in Higher Education series of planning materials)



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## MECHANICAL ENGINEERING PRACTICE GUIDE (ENGINEERING TRAINING IN HIGHER EDUCATION SERIES OF PLANNING MATERIALS)



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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: 184 Publisher: Tsinghua University. Pub. Date :2011-07-01 version 1. Mechanical Engineering Practice Guide (by Wang Hao Cheng) based on the practical knowledge of mechanical engineering integrity. to adapt to economic and social development of the project technical personnel requirements. focusing on students of engineering quality and comprehensive ability. The book is Chapter 7. the main contents include the basics of engineering design. engineering. basic knowledge of materials. method of metal forming process. the traditional method of machining technology. advanced manufacturing technology theory and practice the basics of project management. engineering. innovation and knowledge-based content. After each chapter with thought exercises to meet the teaching needs. Mechanical Engineering Practice Guide as the practice of engineering professional engineering curriculum materials are also available for enterprise information technology and management personnel. Contents: 1 engineering design practice. engineering design 1.1 Overview 1.1.1 1.1.2 Mechanical engineering design. manufacturing and technology relationships 1.1.3 Design of mechatronic systems engineering case study 1.2 Overview 1.2.1 1.2.2 mechanical design tasks design of motor drive and control design 1.2.3 1.2.4 1.3 engineering software process design basics 1.3.1 Introduction 1.3.2 SolidWorks 2008 software commonly used software basic functions of thinking the practice of engineering materials Exercise 2 2.1 2.1.1 Basics of engineering materials engineering materials 2.1.2 Classification and application of metals 2.1.3 organization of the performance of metal metal modified examples 2.2 2.2.1 2.2.2 metallic material modification method of heat treatment typical mechanical parts car axle parts 2.2.3 2.2.4 Materials and heat treatment of materials and machine parts gear thinking exercises 3 heat treatment process of metal forming processes of liquid metal forming practice 3.1 Case Study 3.1.1 3.1.2 3.1.3 Special sand casting basics of metal casting methods 3.2-solid...



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