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ENGINEERING MECHANICS (SECONDARY VOCATIONAL EDUCATION. PROFESSIONAL CIVIL ENGINEERING 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: 141 Publisher: People's traffic Pub. Date :2011-07-01 version 1. Zhong Hui. Yang Ni editor of Engineering Mechanics for the secondary vocational education. professional civil engineering planning materials. Engineering Mechanics is divided into six modules. the main contents include: statics based on plane system of forces. internal forces and stress bar chart. bar the stress and strength calculations. the deformation and the stiffness of the rod calculation. struts and stability. The beginning of each unit. through the Introduction leads to life. the production of mechanical phenomena; each unit. there are a large number of examples; the end of each unit. with a Summary of Unit. thinking questions. exercises. Content of practical. innovative. This book can be used for secondary vocational schools of professional civil engineering materials. engineering and technical personnel are also available for reference. Contents: Unit 1 basis 1.1 Statics Basic concepts force the concept of force 1.1.1 1.1.2 1.1.3 the concept of rigid body static equilibrium concept axiom 1.2 1.2.1 1.2.2 the two forces of action and reaction equilibrium axiom axiom 1.2. 3 addition and subtraction axioms 1.2.4 equilibrated system of forces parallelogram of forces axiom 1.3 Constraints 1.3.1 Constraints and constraint forces and constraint forces and constraint types 1.3.2 The concept of constraint forces and stress analysis of objects 1.4 1.4 by trying to .1 a single object by trying 1.4.2 1.5 object system by trying to choose the structure of the calculation diagram 1.5.1 1.5.2 structure calculation principle sketch plane frame structure simplified diagram of an example unit 1.5.3 Summary of structure calculation reading thinking questions Unit 2 Exercises 2.1 flat plane system of forces converging system of forces converging system of forces 2.1.1...

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