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Beijing University of Aeronautics and Astronautics graduate English textbook series: engineering finite element analysis(Chinese Edition)

By CUI DE YU . XU YUAN MING

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date: 2013 Pages: 323 Language: English Publisher: Beijing University of Aeronautics and Astronautics Press This textbook presents the necessary concepts', principles and general procedure of the Finite Element Method (FEM) which are primarily applied for linearly elastic structural analysis including plane problems, axisymmetric problems, space problems, plates and shells and fracture mechanics. The FEM of heat transfer in ief is also incorporated. Some straightforward examples are introduced to demonstrate a complete and detailed finite element procedure. The aim of the text is to provide the fundamental theories and numerical methodology in finite element analysis. It focuses on the derivation of key governing equations of the FEM and its engineering application. This text can be regarded as a text or reference book for the university under- and post-graduate students or engineers whose majors are related to mechanics, aerospace, mechanical and civil engineering, heat transfer and so on. Contents: Chapter 1 Introduction to Finite Element Method 1.1 Basic Concept of Finite Element Method 1.2 General Description of Finite Element Method 1.2.1 Finite Element Technique in Structure Analysis 1.2.2 Finite Element Technique in Heat Conduction 1.2.3 Summary 1.3...

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