



## Nonlinear finite element and its application in aircraft structural design (fine)

By -

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Pages Number: 227 Publisher: Shanghai Jiaotong University Pub. Date :2011-05-01 version 1. Zhuju Fen. Wang Hai. Xu Shengli edited the non-linear finite element and its application in aircraft structural design. focuses on the structure nonlinear problems in mechanics and the basic principles of finite element analysis approach is based on knowledge. Non-linear finite element and its application in aircraft structural design. is divided into eight chapters. systematically expounded material and large deformation elastic-plastic constitutive equations under the condition of the basic Lagrangian description. and gives a materials. geometry. nonlinear finite element formulation and the corresponding design process. The book also details the geometric theory of nonlinear stability analysis of aircraft structural design applications. This book can be used as engineering colleges of science and engineering graduate students. advanced undergraduate textbook. but also for the majority of engineering and technical officers. Contents: 1 Introduction 1.1 Overview 1.1.1 The non-linear finite element finite element method 1.1.2 The emergence and development of non-linear finite element method to solve the classification and review of 1.2 linear finite element constitutive 1.2.2 1.2.1 geometric equations...



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