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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: 278 Publisher: Higher Education Pub. Date :2011-09-01 version 1. BEM is the second finite element method developed after an accurate and efficient numerical analysis of engineering methods. The traditional boundary element method is mainly applied to homogeneous materials. XIAO days. Yue Zhongqi book FGM fracture mechanics analysis of a new boundary element method. a systematic introduction to the author over a decade to develop a new type of boundary element method. and analyzed using the proposed method of fracture mechanics properties of gradient materials research. FGM fracture mechanics analysis of a new boundary element method. in the new boundary element method based on the authors solved the double-layered isotropic elastic material or transversely isotropic fundamental solution. the introduction of crack tip stress may reflect the field and displacement field changes of the unit. given the precision of solving all kinds of singular integral numerical method. Gradient along the direction of layered materials using the method of approximation of the gradient changes in mechanical parameters. The book value of using the proposed method to analyze three-dimensional cracks in graded materials. access to the stress intensity factor and crack propagation of large amounts of data. In the final and looking forward to a new boundary element method of application. Book for civil engineering. water conservancy. transportation. aviation mechanics and other departments engaged in teaching and research of new materials to work on staff to read reference. Contents: Chapter 1 Introduction 1.1 1.2 gradient material FGM fracture mechanics analysis of analytical methods 1.2.1 Overview 1.2.2 1.2.4 1.2.3 Finite Element Method Boundary Element Method 1.2.5 EFM 1.3 book of research methods and the arrangement of contents References Chapter 2 Elasticity and...

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