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ON THE BASIS OF ELASTIC WAVE FIELD (UNIVERSITIES TEACHING THE BOOK)



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paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Pages Number: 259 Publisher: Ocean University of China Pub. Date :2008-05-01 version 1. Book for the theory of seismic waves and seismic engineering needs. a comprehensive and systematic exposition of the basic elastic wave field content. The book is divided into nine chapters. including stress analysis. strain and displacement analysis. the relationship between stress and strain. the basic equation of dynamic elasticity solution of problems and set the basic content of the theory of elasticity. and elastic wave equation dynamic process of establishing its infinite the propagation of elastic medium. in the layered medium propagation of the wave equation integral solution; the final discussion of the basic seismic wave field propagation. the content is relatively independent. complete. and has a self-contained nature. To improve the students ability. end of the book with a course lab assignments. Contents: Chapter 1 Introduction 1.1 Overview 1.2 elastic elastic wave field on the dynamics of the basic assumptions 1.3 earthquake dynamics and seismic waves 1.4 Conclusion Chapter 2 Stress Analysis 2.1 external. internal forces and stresses cross-section method and the stress components 2.3 2.2 a point in the object stress state and the main direction of principal stress 2.4 2.5 2.6 maximum and minimum stress equilibrium equations of motion and boundary conditions 2.7 and 2.8 cylindrical coordinates and spherical coordinates differential equations of equilibrium and strain analysis in Chapter 3 3.1 3.2 displacement components and rotation components of strain and strain Component 3.3 strain components and displacement components of the relationship - the geometric equation (1) 3.4 spin component and displacement component relationships - the geometric equation (2) 3.5 object at any point within the main strain of the strain state of 3.6...



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