

Structural Mechanics - Second Edition



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(Dr. Cullen Schmitt MD)

STRUCTURAL MECHANICS - SECOND EDITION



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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: 258 Publisher: Water Resources and Hydropower Pub. Date :2007-7-1. The book is divided into nine chapters. Content: Introduction. plane geometric composition analysis system. force analysis of statically determinate structure. the structure displacement calculation. force method (including no-hinged arch calculation). displacement method. the matrix displacement method. moment distribution method and influence lines chapters. This book is a secondary school water conservancy and hydropower engineering. hydraulic engineering profession. professional irrigation. water management professional structural mechanics course materials. but also for the professional civil engineering and civil staff of professional and technical training materials. reference is also available for engineering and technical personnel . Contents: First Edition Second Edition Preface Introduction Chapter 1 Introduction Section of Structural Mechanics Section II of the study and the task structure calculation and classification of Section diagram of the basic assumptions of structural mechanics and the principle of superposition Chapter plane system Section II outlines the geometric surface composition analysis system the concept of freedom of Section IV transient system composed of geometric rules of section V of the same system. composed of flat geometric analysis of an example system problems Problems Chapter Summary thinking statically indeterminate structure forces analysis of Section II of statically determinate plane truss statically determinate multi-span beams Section IV statically determinate plane frame arch statically determinate problem thinking exercises Chapter Summary structural displacement calculations outlined in Section II the concept of power ? generalized force and generalized displacement structure of Section IV of virtual work principle of the general formula for calculating the displacement V statically indeterminate structure under load displacement calculation VI VII. the temperature change caused by the multiplication map given static support structure displacement VIII Move...



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