



Basic Structural Analysis (Paperback)

By K. U. Muthu, Azmi Ibrahim, M. Vijayanand

I K International Publishing House Pvt. Ltd, India, 2017. Paperback. Condition: New. 3rd Revised edition. Language: N/A. Brand New Book. The third edition of this well-accepted textbook continues in its tradition of presenting the applications of principles, with the addition of a new chapter Double Integration Method for a complete treatment on Analysis of Determinate Structures. This new chapter will make the reader understand the development of deflection analysis. This book caters to the needs of the student who enters the portals of Civil Engineering Department in the second year of UG programs. It will also be useful to understand the basic principles of structural analysis, energy principles, concepts of loads, arches, bridges, beams, analysis of statically determinate structures, and importance of influence line diagrams in analyzing problems on indeterminate beams. Moreover, the book can aid solving of basic structural engineering problems in an easy-to-follow and simple manner, avoiding unnecessary mathematical gymnastics and, instead, emphasizing on the engineering applications. The book takes an outcome-based learning approach, where the authors ensure that the students engage well with the contents of each chapter and the expected learning outcomes are achieved by them. Realizing the importance for a systematic approach to problem solving...



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