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this book is intended to provide the student with a clear and thorough presentation of the theory and application of structural analysis as it applies to trusses beams and frames

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for courses in structural analysis also suitable for individuals planning a career as a structural engineer structural analysis in si units presents the theory and applications of structural analysis as it applies to trusses beams and frames through its student friendly clear organisation the text emphasises developing the ability to model and analyse a structure in preparation for professional practice the text is designed to ensure students taking their first course in this subject understand some of the more important classical methods of structural analysis in order to obtain a better understanding of how loads are transmitted through a structure and how the structure will deform under load the large number of problems covers realistic situations involving various levels of difficulty the updated 10th si edition features many new problems and an expanded discussion of structural modeling specifically the importance of modeling a structure so it can be used in computer analysis newly added material includes a discussion of catenary cables and further clarification for drawing moment and deflection diagrams for beams and frames the full text downloaded to your computer with ebooks you can search for key concepts words and phrases make highlights and notes as you

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