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## Introduction to Finite Element Methods

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By P.N. Godbole

I.K. International Publishing House Pvt. Ltd., 2013. Paperback. Book Condition: New. The book discusses the basics of the finite element method in a simple and systematic way. The book will serve as a basic learning tool for the undergraduate and postgraduate students in civil and mechanical engineering whose main interest is to carry out stress analysis. However, the concepts are presented in sufficiently general form so that the book serves as a valuable learning aid for students with other backgrounds, as well as practising engineers. Key Features: ò Steps in the finite element method described with examples of bar and CST element, ò Isoparametric elements and numerical integration explained in detail, ò Advanced topics on plate and shell elements, non-linear problems and dynamic analysis, ò Educational program of isoparametric elements with explanation of input, output, test example and source code included in the CD appended with the book, ò Detailed appendices on Rayleigh-Ritz method, solution of equations and numerical integration. Introduction to Finite Element Methods P.N. Godbole 9789382332206".



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