# Advanced Topics in Finite Element Analysis of Structures: With Mathematica and MATLAB Computations

*M. Asghar Bhatti*

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Starting from governing differential equations, a unique and consistently weighted residual approach is used to present advanced topics in finite element analysis of structures, such as mixed and hybrid formulations, material and geometric nonlinearities, and contact problems. This book features a hands-on approach to understanding advanced concepts of the finite element method (FEM) through integrated Mathematica and MATLAB® exercises.

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