



Nonlinear Structural Dynamics Using FE Methods

By James F. Doyle

Cambridge University Press. Hardcover. Condition: New. 592 pages. Dimensions: 8.3in. x 5.9in. x 0.9in. Nonlinear Structural Dynamics Using FE Methods emphasizes fundamental mechanics principles and outlines a modern approach to understanding structural dynamics. The book will be useful to practicing engineers, giving them a richer understanding of the use of their trade and thus accelerating learning on new problems. Independent workers will find access to advanced topics presented in an accessible manner. The book successfully tackles the challenge of how to present the fundamentals of structural dynamics and infuse it with finite element (FE) methods. First, the author establishes and develops mechanics principles that are basic enough to form the foundations of FE methods. Second, the book presents specific computer procedures to implement FE methods so that general problems can be solved - that is, responses can be produced given the loads, initial conditions, and so on. Finally, the book introduces methods of analyses to leverage and expand the FE solutions. This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Hardcover.

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