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eISBN: 978-1-60805-771-9

**US\$
59.00**
only

Vibration and Nonlinear Dynamics of Plates and Shells - Applications of Flat Triangular Finite Elements

www.benthamscience.com/ebooks/9781608057719

About the ebook

This eBook focuses on the vibrational and nonlinear aspects of plate and shell structure dynamics by applying the finite element model. Specifically, shell finite elements employed in the computational studies included in this book are the mixed formulation based lower order flat triangular shell finite elements.

Contents

- ▶ Mixed Formulation Based Three-Node Flat Triangular Shell Elements for Vibration Analysis
- ▶ Vibration Analysis of Plate Structures
- ▶ Vibration Analysis of Shells with Single Curvature
- ▶ Vibration Analysis of Shells with Double Curvatures
- ▶ Vibration Analysis of Box Structures
- ▶ Mixed Formulation Based Three-Node Flat Triangular Shell Elements for Nonlinear Dynamics
- ▶ Nonlinear Dynamics of Flat-Surface Structures
- ▶ Nonlinear Dynamics of Curved-Surface Structures

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