



Pro/MECHANICA Tutorial Structure Wildfire 3.0

By Roger Toogood

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This book is written for first-time FEA users (in general) and MECHANICA users (in particular). After a brief introduction to finite element modeling, the tutorial introduces the major concepts behind the use of Pro/MECHANICA to perform Finite Element Analysis of parts. These include: modes of operation, element types, design studies (analysis, sensitivity studies, organization), and the major steps for setting up a model (materials, loads, constraints, analysis type), studying convergence of the solution, and viewing the results. Both 2D and 3D problems are treated. The tutorial uses a click-by-click format to show the command sequence exactly as performed by the user for a wide variety of models and design studies.

Table of Contents

1. Introduction to the Tutorials
2. Finite Element Modeling with MECHANICA
3. Solid Models (Part 1)
4. Solid Models (Part 2)
5. Plane Stress and Plane Strain Models
6. Axisymmetric Solids and Shells
7. Shell Models
8. Beams and Frames
9. Miscellaneous Topics
10. Thermal Models

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