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# Finite Element Analysis: Theory and Application with ANSYS (4th Edition)

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*For courses in Finite Element Analysis, offered in departments of Mechanical or Civil and Environmental Engineering.*

While many good textbooks cover the theory of finite element modeling, *Finite Element Analysis: Theory and Application with ANSYS* is the only text available that incorporates ANSYS as an integral part of its content. Moaveni presents the theory of finite element analysis, explores its application as a design/modeling tool, and explains in detail how to use ANSYS intelligently and effectively.

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This program will provide a better teaching and learning experience—for you and your students. It will help:

- **Present the Theory of Finite Element Analysis:** The presentation of theoretical aspects of finite element analysis is carefully designed not to overwhelm students.
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- **Explore How to Use FEA as a Design/Modeling Tool:** Open-ended design problems help students apply concepts.

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