



# The Finite Element Method, Second Edition: A Practical Course

*G.R. Liu, S. S. Quek*

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**The Finite Element Method, Second Edition: A Practical Course** G.R. Liu, S. S. Quek

Written for practicing engineers and students alike, this book emphasizes the role of finite element modeling and simulation in the engineering design process. It provides the necessary theories and techniques of the FEM in a concise and easy-to-understand format and applies the techniques to civil, mechanical, and aerospace problems. Updated throughout for current developments in FEM and FEM software, the book also includes case studies, diagrams, illustrations, and tables to help demonstrate the material.

- Plentiful diagrams, illustrations and tables demonstrate the material
- Covers modeling techniques that predict how components will operate and tolerate loads, stresses and strains in reality
- Full set of PowerPoint presentation slides that illustrate and support the book, available on a companion website

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