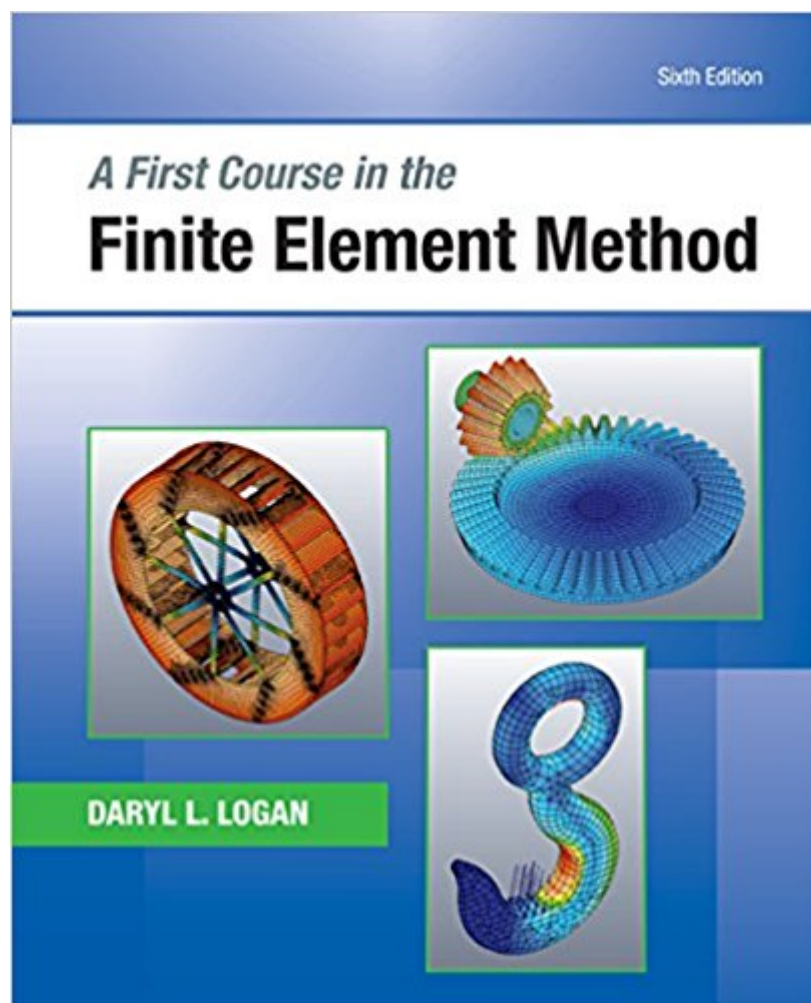




Ebook Directory
the best source of ebook

The book was found

A First Course In The Finite Element Method (Activate Learning With These NEW Titles From Engineering!)



Synopsis

Provide a simple, direct approach that highlights the basics with A FIRST COURSE IN THE FINITE ELEMENT METHOD, 6E. This unique book is written so both undergraduate and graduate students can easily comprehend the content without the usual prerequisites, such as structural analysis. The book is written primarily as a basic learning tool for the undergraduate students in civil and mechanical engineering who are primarily interested in stress analysis and heat transfer. The text offers ideal preparation for students who want to apply the finite element method as a tool to solve practical physical problems.

Book Information

Series: Activate Learning with these NEW titles from Engineering!

Hardcover: 955 pages

Publisher: CL Engineering; 6 edition (January 1, 2016)

Language: English

ISBN-10: 1305635116

ISBN-13: 978-1305635111

Product Dimensions: 7.4 x 1.6 x 9.2 inches

Shipping Weight: 3.5 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #30,196 in Books (See Top 100 in Books) #53 in [Books > Textbooks > Engineering > Mechanical Engineering](#) #95 in [Books > Engineering & Transportation > Engineering > Mechanical](#)

Customer Reviews

Activate Learning with Logan's A First Course in the Finite Element Method

[View larger](#) [View larger](#) [View larger](#) [View larger](#) [Real World](#)

Examples Further Clarify Concepts Real world examples and problems enhance your

understanding and reinforce concepts in the book as they emphasize practical views of certain topics. Chapter Objectives Increase Understanding Chapter objectives help you know what

content to focus on and retain. Key summary equations help you review what you have learned.

Presentation Ideal if You are New To the Field Written as a basic learning tool for those new in civil and mechanical engineering, this edition does not presume an extensive background in structural analysis. Math is presented in a simple and straightforward manner to maximize comprehension.

Appendices Offer Additional Information Helpful appendices include basic matrix algebra (used

throughout the text), solutions methods for simultaneous equations, equations from elasticity theory, equivalent nodal forces, the principle of virtual work, and properties of structural steel and aluminum shapes.

[Everything in One Place with MindTap](#)

[View larger](#)

[View larger](#)

[View larger](#)

[View larger](#) Tap into Engagement MindTap empowers you to produce your best work consistently. MindTap shows where you stand at all times both individually and compared to the highest performers in class.

Mindtap is Designed To Help You Master the Material Interactive videos, animations, and activities create a learning path designed by your instructor to guide you through the course and focus on what's important. MindTap is Mobile The new MindTap Mobile App provides the mobility and flexibility for you to make any time study time. Mindtap Helps You Stay Organized and Efficient MindTap gives you the study tools to master the material.

[#BeUnstoppable with MindTap!](#)

[View larger](#)

[View larger](#)

[View larger](#)

[View larger](#) Make it count The more time spent in MindTap, the better the results The More Time Spent in Mindtap, the Better the Results Students Using Apps Perform Better on Assignments

"It is extremely well presented for an introductory text. The author does an excellent job of getting to the underlying issues without confusing the reader with overwrought detail. The examples were very interesting and actually included advanced topics that many students would not be able to address based upon the presentation in other texts...Interesting examples that are simply explained that present complex topics." "The presentation with regard to the example problems is the best I have seen in any textbook during 40+ years I have been teaching the finite element method. The textbook must be readable and at the appropriate level of sophistication for the students who will be using it. I find that this text does an excellent job of meeting both of these criteria."

Daryl L. Logan is Professor of Mechanical Engineering at the University of Wisconsin-Platteville. He received his Ph.D. in 1972 from the University of Illinois -- Chicago. He has been a member of the American Society of Mechanical Engineers (ASME), Tau Beta Pi - National Honor Society, and the American Society for Engineering Education (ASEE). He holds a Professional Engineer's License in

the state of Indiana.

Best book in the introductory Finite Element method. I strongly recommend this book to University instructors and students.

[Download to continue reading...](#)

A First Course in the Finite Element Method (Activate Learning with these NEW titles from Engineering!) The Finite Element Method: Linear Static and Dynamic Finite Element Analysis (Dover Civil and Mechanical Engineering) Engineering Fundamentals: An Introduction to Engineering (Activate Learning with these NEW titles from Engineering!) Principles of Foundation Engineering (Activate Learning with these NEW titles from Engineering!) Solid Waste Engineering: A Global Perspective (Activate Learning with these NEW titles from Engineering!) The Science and Engineering of Materials (Activate Learning with these NEW titles from Engineering!) An Introduction to Mechanical Engineering (Activate Learning with these NEW titles from Engineering!) Principles of Geotechnical Engineering (Activate Learning with these NEW titles from Engineering!) Mechanics of Fluids (Activate Learning with these NEW titles from Engineering!) Steel Design (Activate Learning with these NEW titles from Engineering!) Power System Analysis and Design (Activate Learning with these NEW titles from Engineering!) Mechanics of Materials (Activate Learning with these NEW titles from Engineering!) A First Course in the Finite Element Method An Introduction to the Finite Element Method, 3rd Edition (McGraw Hill Series in Mechanical Engineering) An Introduction to the Finite Element Method (McGraw-Hill Mechanical Engineering) Extended Finite Element Method: Theory and Applications (Wiley Series in Computational Mechanics) The Finite Element Method for Engineers Finite Element Analysis (Engineering) The Handbook of Five Element Practice (Five Element Acupuncture) Concepts and Applications of Finite Element Analysis, 4th Edition

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)