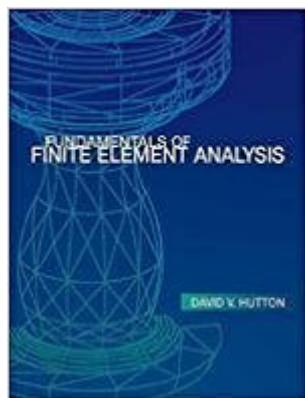


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# Fundamentals Of Finite Element Analysis



## Synopsis

1st Edition, printed in black and white pages by McGraw Hill India. Content indentical to the hardcover version.

## Book Information

Paperback

Publisher: Tata McGraw Hill India; 1st edition (2003)

Language: English

ISBN-10: 0070601224

ISBN-13: 978-0070601222

Product Dimensions: 18.5 x 2 x 24 inches

Shipping Weight: 1.4 pounds

Average Customer Review: 4.0 out of 5 stars [See all reviews](#) (4 customer reviews)

Best Sellers Rank: #551,998 in Books (See Top 100 in Books) #72 in [Books > Science & Math > Mathematics > Pure Mathematics > Finite Mathematics](#) #756 in [Books > Science & Math > Astronomy & Space Science > Aeronautics & Astronautics](#)

## Customer Reviews

Dr. Hutton was my professor for M.E. 474 [Finite Element Analysis] elective counting towards a Masters in Mechanical Engineering. We worked off his notes in 1992 before he got his work published. Brilliant man and no less quality of technical publication. RIP Dr. Hutton.

I tried several books to start learning FEM but was never satisfied. Some of them were overloaded with theory or essentially no theory and all software application. Finally I come across this one! A very good book to learn FEM subject for the person who already has basic knowledge of mechanics, strength of materials and matrix calculus. It's really clearly written with a very good and detailed explanation of discussed topics. All the chapters are followed by numerous examples to be solved by the reader. I was able to deal with them using the equations and examples given in regular text. The book is "software-independent" - it's not oriented towards any specific FEM package; more stress is put on general FEM theory and exemplary applications. There are several handy appendixes which helps you work through matrix calculus, equations of elasticity & solution techniques for linear algebraic eqs. Highly recommended!

Dozens of texts available for FEA but this book stands apart from its competitors miles ahead.

Highly recommended to all who wants to have in-depth understanding of the subject.

This is one of the most difficult textbooks to read that I've ever encountered. I think some of that has to do with the fact that the material is hard to begin with, but even still: The book constantly references equations by number (eq 5.14) and does so dozens of pages removed. That alone is super obnoxious.

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