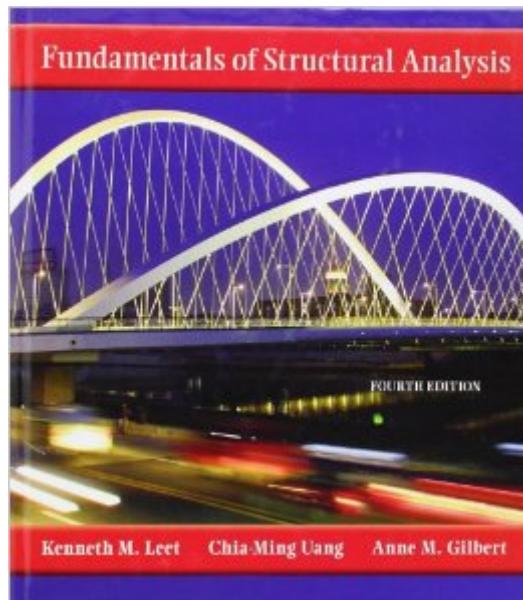


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# Fundamentals Of Structural Analysis



## Synopsis

Fundamentals of Structural Analysis fourth edition, introduces engineering and architectural students to the basic techniques for analyzing the most common structural elements, including beams, trusses, frames, cables, and arches. The text covers the classical methods of analysis for determinate and indeterminate structures, and provides an introduction to the matrix formulation on which computer analysis is based. This edition features an expanded treatment of snow, earthquake, and wind loads that are part of the updated ANSI/ASCE 7 standards. We've also added Historical Notes to this addition that provide valuable insights to the development of today's techniques and practices. Additionally, about 30% of the text's problems are new or heavily revised.

## Book Information

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## Customer Reviews

I was given this text by the publisher. Ordinarily "every structural analysis text is the same" and there is no reason to change texts. But not this time. I am truly impressed by this text. It is very broad, in the sense that it manages to teach classical structural analysis while always relating it well to real world problems. It even manages to make the current IBC code understandable (which is amazing because that book is utterly unreadable). This is an excellent text

This book goes into detail about the fundamentals of structural analysis but the examples and explanations can be a bit tricky. They do not show the work done but just show the final product. The examples are not outlined and are not thoroughly explained in detail.

this book gives a structural engineer the best overview for the fundamentals of structural analysis. it is written like a professor would have taught a class - very clear explanations and very representative examples. i highly recommend this book for anyone wanting to get a solid understanding and not try to shortcut his or her way and get confused later.

This textbook is kind of good at explaining but the example problems are incredibly easy and the actual problems in the book are hard to make out exactly what they are asking for. Definitely will be looking for a different structural analysis book if I ever need one.

Well frankly I didn't much care for this text. I found the examples to be both sparse and lacking. I was particularly disappointed with the section on wind loading and the section covering the various methods for analyzing indeterminate frames. Both of which I found to be insufficient and confusing. If you are assigned this text, then, I suggest that you either acquire solutions for the unassigned problems (to use as examples) or try to find a supplemental text. On the other hand, this text offers plenty of challenging problems for you to work. If you have already taken the class and know the subject, but wish to hone your engineering skills, then this is a good book to practice with.

I feel as if they over kill on the work in this book. My professor taught us quicker ways to solve the problem in this book. But it's still a good book. It's kinda hard to follow in some subjects.

I want to review this product to see if it is good.I want to make sure if it was augmented the chapter of matrix analysis.Fundamentals of Structural Analysis

Great book. It helps to have a good teacher also and that's why I assume some are giving it bad reviews. Good examples. Explains steps for deriving certain formulas.

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