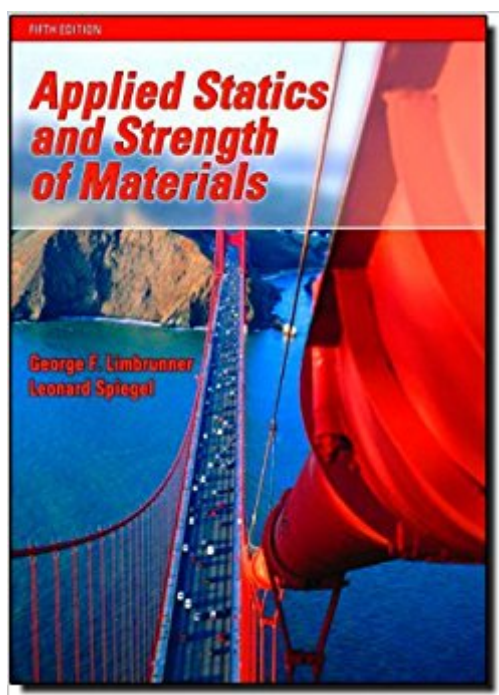


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# Applied Statics And Strength Of Materials (5th Edition)



## Synopsis

Focusing on the fundamentals of material statics and strength, *Applied Statics and Strength of Materials, Fifth Edition* presents a non-Calculus-based, elementary, analytical, and practical approach, with rigorous, comprehensive example problems that follow the explanation of theory and very complete homework problems that allow trainees to practice the material. The goal of the book is to provide readers with the necessary mechanics background for more advanced and specialized areas of study in the many fields of engineering technology – for example, civil, mechanical, construction, architectural, industrial, and manufacturing.

## Book Information

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## Customer Reviews

This text provides thorough coverage of all basic statics and strength topics in an applied, step-by-step presentation that is ideal for undergraduate engineering technology students. New coverage based on recent trends in the field and the latest standards for AISC Load and Resistance Factor Design, introduces students to this new industry standard. All material is presented at a mathematics level which does not require the use of calculus. --This text refers to an alternate Hardcover edition.

This fifth edition of *Applied Statics and Strength of Materials* presents a non-calculus based elementary, analytical and practical approach to the principles and physical concepts of statics and strength of materials. The book focuses on the mastery of basic principles. It features a rigorous,

comprehensive step-by-step problem-solving approach; an abundance of worked-out examples and homework problems; and a focus on principles and applications for many fields of engineering technology. Features of this text include: Revised and updated content enhances the teaching aspects of the text. Each chapter is written to introduce more complex material gradually. Numerous computer problems help reinforce students' understanding of the concepts. Problems at the end of each chapter are grouped and referenced to a specific section. These problems are followed by a group of supplemental problems provided for review purposes. Generally, problems are arranged in order of increasing difficulty. Design and analysis aids are included in an extensive appendix section, making the book self-contained. Both U.S. Customary and SI units are presented.

This book covers fundamental statics concepts that are required for thermodynamics, strength of materials and many other engineering concepts. I personally have a hard time understanding statics when trying to learn from this book, there is a decent amount of examples in each section but some concepts are "skipped" when explaining examples simply because the author assumes you already understand certain Algebra/geometric concepts. If you do not understand a concept or method STOP and redo the section before moving forward! you cannot skip or fail and continue learning statics well, every concept builds on the last. My biggest problem with this text book is that the rental I received was beyond damaged, and with no time to return and get a different copy (class had already started) I was forced to use a book with torn binding, missing pages and heavy abuse. I've attached pictures of the book I received from rentals. I've also attached a picture of the number of times this book was rented out, I could count at least 9 stock tags.

I had to purchase this book for a class and it is a great introductory book. The book is non calc based so not everything is covered but if you need to communicate with an engineer and learn engineering terminology this is the book for you. Several topics are covered such as simple truss analysis and load distribution as well thermal effects on building materials. Material testing regulations and standards are also discussed. There are many more topics covered that can put you on track when communicating with an engineer. I am a carpenter and communicating with engineers is sometimes an everyday event. Knowing engineering basics helps tremendously.

The binding was in terrible condition. Pages were fine, but it was falling out of the book. Great book information wise, got an A in the class, but some of the tables in the back have been updated in the newer version, so I would recommend that one. There are some leaps in logic, but throughout the

text, it maintains a pretty steady progression of material

I had read a few reviews that said the book was bad... But it was the course material book so what can you do? If at all possible find an alternative to this book. The concepts are not clear or precise and the examples are not fully explained. Unless you are very competent with math and logic leaps, this is not a great source for learning.

The book was ordered new but it arrived damaged. The front cover has a torn in it. I expect more from . I would return it if I didn't need it at the moment. Will not order books from again. Otherwise the book content was good and it was the correct book and arrived on time.

This book is just okay. The book has fairly good explanations of the ideas, but in the "step by step" examples, they don't always tell you what they're doing. I don't know if they're just assuming I'll catch it, but if you're trying to figure out how to do the problem, it's sometimes very hard to understand how they get what they do. My college professor doesn't like this book for that reason either, but I guess there's not much to choose from in this area...And there ARE answers to the odd numbered questions in the back of the book, which helps.

Not really useful for me. My teacher does not use it in class, he just give as a homework from end of the chapter. Average book, does not explain everything like I would like to see in the book for \$150.

Arrived quick and worked for my class. Thank you.

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