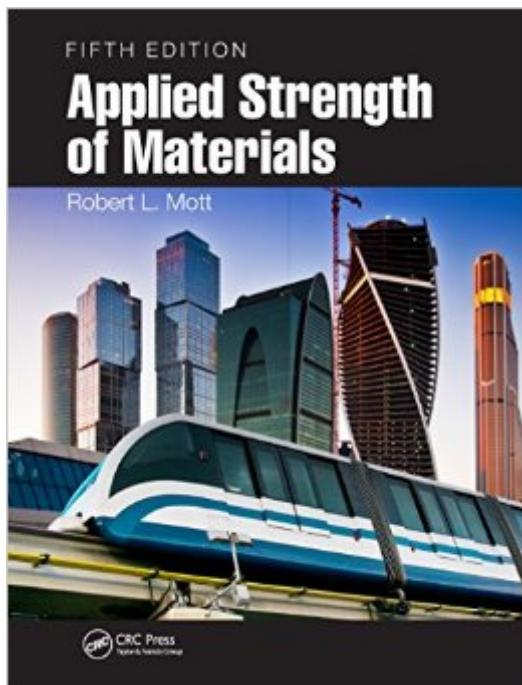


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# Applied Strength Of Materials, Fifth Edition



## **Synopsis**

This book discusses key topics in strength of materials, emphasizing applications, problem solving, and design of structural members, mechanical devices, and systems. It covers basic concepts, design properties of materials, design of members under direct stress, axial deformation and thermal stresses, torsional shear stress and torsional deformation, shearing forces and bending moments in beams, centroids and moments of inertia of areas, stress due to bending, shearing stresses in beams, special cases of combined stresses, the general case of combined stress and Mohr's circle, beam deflections, statistically indeterminate beams, columns, and pressure vessels.

## **Book Information**

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## **Customer Reviews**

The book was very helpful on grasping the understanding of strength of materials, but if had the option of having a solutions manual to know whether I had worked the problems out correctly I would have capitalized on it. The book was laid out well and had easy to follow examples. If there is a solutions manual available or perhaps a study guide I would be interested in obtaining one. My day #

615-904-9325email is given.

Pretty good textbook for explaining bending moment diagrams, shear stresses, torque, manufacturing engineering concepts, etc. It gets a little stiff while explaining more complicated stuff later on in the book, but overall this is a pretty good textbook for engineering students. Can be used as a decent reference guide for future engineering courses, too.

If you are not using this book at your school demand that they start using it. Easy to use, read and study from. It's also a great primer for learning how to use books like Marks Standard Handbook for Mechanical Engineers.

lots of appendices is unreadable. random pages have blurred text (maybe 10) and some tears and rips in some pages(obvious publisher faults) i worked in paper publishing for a short period and wow "CRC PRESS" is terrible and doesn't pay attention to deatilsseems to be the case with every textbook for CRC not just minerobert I mott did do a good job though.so 4 stars for him and 0 for CRC = 2 stars

Easy to understand material, and the book makes it fun to learn from. Only complaint I have with it is the front of the book has equations for some of the stuff you need and it is so blurry I had to take the notes from my professor and put it in a word file for future reference. I got a B in the course itself and an A in the lab, and this book with a good teacher does wonders.

Really good book ALSO YOU CAN FIND THE ANSWERS TO ALL OF THE QUESTIONS ONLINE. The book covers pretty much everything.

Renting this book was a good option for me because I didn't feel like buying it. It is in great condition and I would recommend it to anyone.

A lot of the information in the appendix is blurry and hard to read. Also, appendix A-1 has an error with the area of a triangle. The book says that the area of a triangle is  $A=bh$  when it is supposed to be  $A=(bh)/2$ .

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