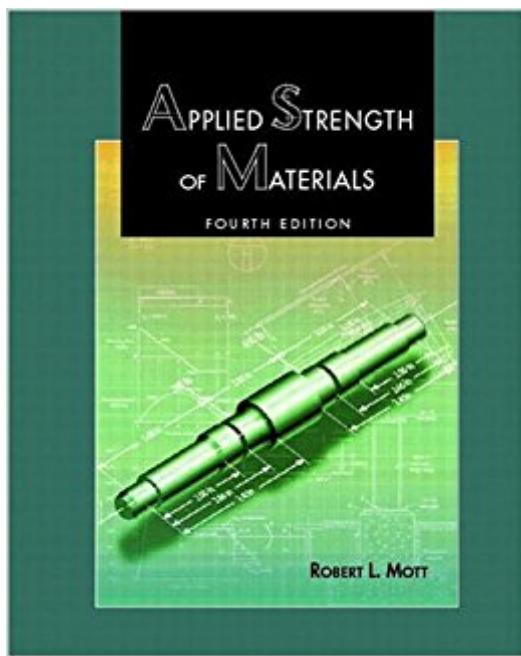


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# Applied Strength Of Materials (4th Edition)



## **Synopsis**

For undergraduate, introductory-level courses in Strength of Materials or Mechanics of Materials, in departments of Mechanical Engineering Technology, Civil Engineering Technology, Construction Engineering Technology or Manufacturing Engineering Technology. This text provides comprehensive coverage of the key topics in strength of materials--with an emphasis on applications, problem solving, and design of structural members, mechanical devices and systems. It includes coverage of the latest tools, trends and analysis techniques, and makes great use of example problems.

## **Book Information**

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## **Customer Reviews**

Applied Strength of Materials provides comprehensive coverage of the key topics in strength of materials with an emphasis on applications, problem solving, and design of structural members, mechanical devices and systems. The Third Edition of this well-known text has been updated and enhanced to include coverage of the latest tools, trends and techniques and to make even greater use of example problems. --This text refers to an out of print or unavailable edition of this title.

Applied Strength of Materials provides comprehensive coverage of the key topics in strength of materials with an emphasis on applications, problem solving, and design of structural members, mechanical devices, and systems. The fourth edition of this best-selling text has been updated and

enhanced to include a new "Big Picture" feature and a brief review of statics in a new appendix. Strengths of this text include: A section called The Big Picture begins each chapter and engages students in discussion of the many contexts in which the principles in that chapter are used in real, practical design. This feature draws on the students' own experience and builds their knowledge of the mechanical design field. It is based on the learning theory that students learn better when they can relate new concepts to past experiences and when they consider the whole before tackling the details. An extensive introduction to composite materials along with the commentary throughout the book on the application of composites to various kinds of load-carrying members and comparisons/contrasts of composites to traditional structural members. Suggested computer programming assignments with recommended uses for spreadsheets, equation-solving software such as MATLAB, and graphing calculators to reflect the continuing development of electronic aids. Strong presentation of design approaches in addition to analysis, providing extensive information on guidelines for design of mechanical devices and structural members.

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

Great condition better then I expected, Thank you

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.

Great shape!

This is awful. I paid \$65 and got a book in which the entire spine is broken. It doesn't even deserve a 1 star rating.

Book was new and delivered as promised.

A++

Very informative and interesting. The sample problems ranged greatly and gave me a good idea of what is being taught.

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