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Schaum's Outline Of Continuum Mechanics



Synopsis

For comprehensive and comprehensible coverage of both theory and real-world applications, you can't find a better study guide than Schaum's Outline of Continuum Mechanics. It gives you everything you need to get ready for tests and earn better grades! You get plenty of worked problems solved for you step by step along with hundreds of practice problems. From the mathematical foundations to fluid mechanics and viscoelasticity, this guide covers all the fundamentals plus it shows you how theory is applied. This is the study guide to choose if you want to ace continuum mechanics!

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Customer Reviews

Master the basic concepts and fundamental principles of continuum mechanics with this easy-to-use study guide! With its hundreds of fully solved problems, it can help you every step of the way to better grades! Students love Schaum's Outlines! Each and every year, students purchase hundreds of thousands of the best study guides available anywhere. Students know that Schaum's delivers the goods in faster learning curves, better test scores, and higher grades! If you don't have a lot of time but want to excel in class, this book helps you: Brush up before tests Find answers fast Study quickly and more effectively Get the big picture without spending hours poring over lengthy textbooks Schaum's Outlines give you the information teachers expect you to know in a handy and succinct format without overwhelming you with unnecessary details. You get a complete overview of the subject and no distracting minutiae. Plus, you get plenty of practice

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McGraw-Hill authors represent the leading experts in their fields and are dedicated to improving the lives, careers, and interests of readers worldwide

This is a great text to use as a quick reference for most things continuum mechanics- Mase does a very respectable job at summarizing this beautiful subject. I think this would be a great supplement to a CM course, although the notation strays from what is popular today. The power of this book is that almost everything appears in both indicial notation and Gibbs (boldface) notation. This makes it easy to follow along even if you aren't yet comfortable with the indicial notation. The worked problems are all very brief- they demonstrate in perhaps the simplest manner possible the basics of mechanics. Like every other CM book out there, this one has a few things that are done exceptionally well, and a few things that fall short. I will continue my search for the best CM book in print...Across 200 some pages, the topics include math prelims; stress; deformation; kinematics; balance laws; linear elasticity; linear fluids; classical plasticity; classical viscoelasticity. The figures are clear and illustrate the points being made. I don't know if I got a bad printing, but the superposed dots used to indicate time derivatives didn't appear in my copy.

Excellent - very helpful.

I'm a proud owner of many other great Shaums outlines like "Differential Geometry", "Topology", "Complex Variables" ... etc. But I do not find this text useful in my studies. Unlike my other Shaums outlines, I still seem to prefer regular text books over this version of Continuum

Great coverage and detail.

Excellent product!

Prep for a masters Course in Mechanical Engineering

As described

superb.

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