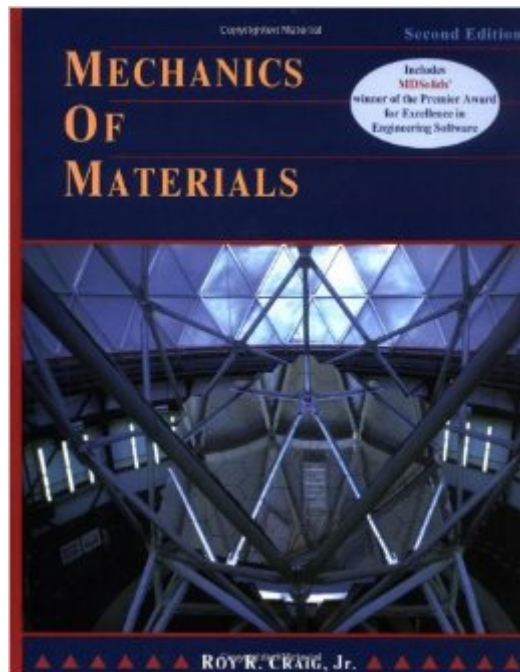


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Mechanics Of Materials, 2nd Edition



Synopsis

The revision of this successful mechanics of materials text continues to feature a strong emphasis on the basics - equilibrium, force-temperature-deformation behavior of materials and geometry of deformation

Book Information

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Customer Reviews

I became familiar with this outstanding text when my son took a strength of materials course at the University of Texas at Austin. As a Professional Structural Engineer, I understood the importance of this course in the engineering curriculum. Also, I know from experience that many good students have trouble mastering the material. So I bought a copy so I could help my son by telephone. I am familiar with all the major texts in this subject including the classic book by Gere and Timoshenko and the popular text by Beer and Johnston. I was immediately impressed with the Craig book. The text has clear discussions and explanations and a masterful emphasis on the three fundamentals of structural mechanics: equilibrium, material behavior and geometry of deformation. For my money it is head and shoulders above the Gere and Timoshenko and the Beer and Johnston texts. Not that they are bad books; but the Craig book is a much better book. The Beer and Johnston text is largely a cookbook approach. The emphasis is on learning specific methods to solve specific types of problems. The Gere and Timoshenko text is a virtual strength of materials encyclopedia. No book in this field has a more thorough discussion of beams. But what students (and practicing engineers) need most is where the Craig text has no peer: 1) clear, simple explanations with an emphasis on

equilibrium, material behavior, and geometry of deformation and 2) a rational and logical problem solving procedure that shows students how practicing engineers approach real-world problems. A student who learns the material in this book will have solid basis for becoming a competent engineer and for more advanced work in structural mechanics. Some of the strengths of this text include: 1.

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