



Mechanics of Materials: With Applications in Excel (Hardback)

By Bichara B. Muvdi, Souhail Elhouar

Taylor Francis Inc, United States, 2016. Hardback. Book
Condition: New. 254 x 178 mm. Language: English . Brand New Book. Mechanics of Materials: With Applications in Excel(R) covers the fundamentals of the mechanics of materials-or strength of materials-in a clear and easily understandable way. Each chapter explains the theory of the underlying principles and the applicable mathematical relations, offering examples that illustrate the application of the mathematical relations to physical situations. Then, homework problems-arranged from the simplest to the most demanding-are presented, along with a number of challenging review problems, to ensure comprehension of key concepts. What makes this book unique is that it also instills practical skills for developing Microsoft Excel applications to solve mechanics of materials problems using numerical techniques. Mechanics of Materials: With Applications in Excel(R) provides editable Excel spreadsheets representing all the examples featured in the text, PowerPoint lecture slides, multimedia simulations, graphics files, and a solutions manual with qualifying course adoption.



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