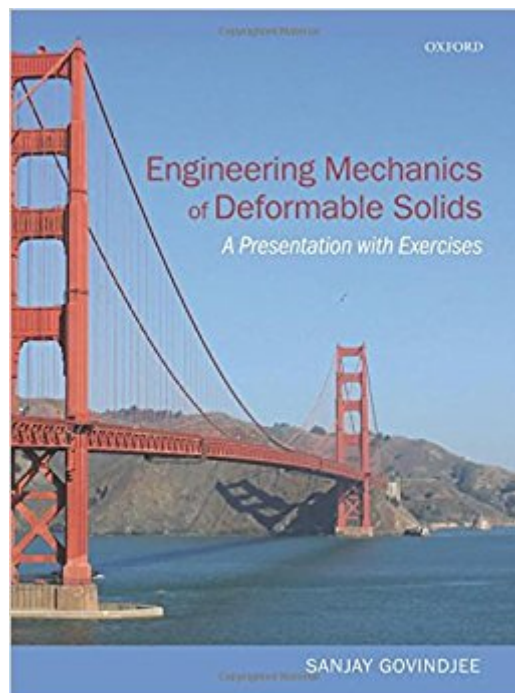




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Engineering Mechanics Of Deformable Solids: A Presentation With Exercises



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This book covers the essential elements of engineering mechanics of deformable bodies, including mechanical elements in tension-compression, torsion, and bending. It emphasizes a fundamental bottom up approach to the subject in a concise and uncluttered presentation. Of special interest are chapters dealing with potential energy as well as principle of virtual work methods for both exact and approximate solutions. The book places an emphasis on the underlying assumptions of the theories in order to encourage the reader to think more deeply about the subject matter. The book should be of special interest to undergraduate students looking for a streamlined presentation as well as those returning to the subject for a second time. To request a copy of the Solutions Manual, visit:

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Book Information

Hardcover: 360 pages

Publisher: Oxford University Press; 01 edition (December 29, 2012)

Language: English

ISBN-10: 0199651647

ISBN-13: 978-0199651641

Product Dimensions: 9.8 x 0.9 x 7.6 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 2 customer reviews

Best Sellers Rank: #473,959 in Books (See Top 100 in Books) #73 in [Books > Science & Math > Physics > Nanostructures](#) #158 in [Books > Science & Math > Physics > Solid-State Physics](#) #342 in [Books > Science & Math > Physics > Electromagnetism](#)

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Sanjay Govindjee is a Professor of Civil Engineering at the University of California, Berkeley (1993-2006, 2008-present). His main interests are in theoretical and computational mechanics with

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Very well-written, concise, easy-to-read, yet full of detail and theory when needed. I would definitely recommend this book to anyone who wants to get a solid grasp on introductory solid mechanics.

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