



# Applied Continuum Mechanics

*By T. J. Chung*

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## Applied Continuum Mechanics By T. J. Chung

This book offers a concise, applications-oriented introduction to continuum mechanics. It begins with a review of vectors and tensors and their applications to the domain and boundary integrals. The remaining chapters cover kinematics, equilibrium and kinetics, elastic solids, and Newtonian fluids. Every chapter includes numerous worked examples and problems. By providing a reasonable balance between mathematical rigor and practical applications, between solids and fluids, and between linear and nonlinear theories, this timely book will be useful to engineering students, as well as practicing engineers and applied scientists.

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## **Applied Continuum Mechanics** By T. J. Chung Bibliography

- Sales Rank: #7808504 in Books
- Published on: 1996-01-26
- Original language: English
- Number of items: 1
- Dimensions: 9.21" h x .71" w x 6.14" l,
- Binding: Hardcover
- 272 pages

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## **Editorial Review**

### **Review**

"This is a very good book....It contains the very essential ingredients of a text, i.e. numerous useful illustrative examples and a good set of exercises at the end of each chapter." Mathematical Reviews

"...this is in many ways an admirable book....I can recommend this book to anyone interested in the theoretical foundations of continuum mechanics. Reading this book takes a good deal of patience but can be quite rewarding." SIAM Review

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