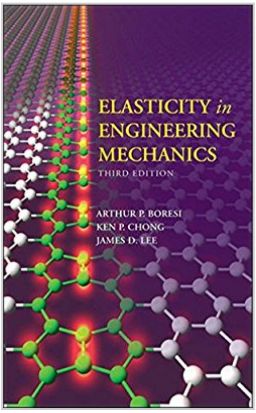

Elasticity in Engineering Mechanics

By Arthur P. Boresi, Ken Chong, James D. Lee

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Elasticity in Engineering Mechanics has been prized by many aspiring and practicing engineers as an easy-to-navigate guide to an area of engineering science that is fundamental to aeronautical, civil, and mechanical engineering, and to other branches of engineering. With its focus not only on elasticity theory, including nano- and biomechanics, but also on concrete applications in real engineering situations, this acclaimed work is a core text in a spectrum of courses at both the undergraduate and graduate levels, and a superior reference for engineering professionals.

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Editorial Review

Review
"Designers can utilize the contents of this book to understand the value as well as the limitations of the data." (Corrosion Review, August 2002)

From the Publisher
Rigorous without being overly mathematical, this complete and modern treatment of the fundamentals of elasticity recognizes the widespread use of approximate (numerical) methods in elasticity, but emphasizes the importance of basic concepts and theories of elasticity as being fundamental to the understanding and interpretation of numerical analysis. Presents in detail the theories of deformation, stress, stress-strain relations, and fundamental boundary value problems of elasticity.

From the Back Cover
Comprehensive, accessible, and logical—an outstanding treatment of elasticity in engineering mechanics

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- Clear explorations of such topics as deformation and stress, stress-strain-temperature relations, plane elasticity, thermal stresses, and end loads
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