

Solid Mechanics and its Applications

Solid Mechanics and its Applications

 Springer

Springer books available as

 Printed bookAvailable from springer.com/shop eBookAvailable from your library or
► springer.com/shop MyCopy

Printed eBook for just

► € | \$ 24.99

► springer.com/mycopy

Solid Mechanics and Its Applications

Series Editors: J.R. Barber, A. Klarbring

The fundamental questions arising in mechanics are: Why?, How?, and How much? The aim of this series is to provide lucid accounts written by authoritative researchers giving vision and insight in answering these questions on the subject of mechanics as it relates to solids. The scope of the series covers the entire spectrum of solid mechanics. Thus it includes the foundation of mechanics; variational formulations; computational mechanics; statics, kinematics and dynamics of rigid and elastic bodies; vibrations of solids and structures; dynamical systems and chaos; the theories of elasticity, plasticity and viscoelasticity; composite materials; rods, beams, shells and membranes; structural control and stability; soils, rocks and geomechanics; fracture; tribology; experimental mechanics; biomechanics and machine design. The median level of presentation is the first year graduate student. Some texts are monographs defining the current state of the field; others are accessible to final year undergraduates; but essentially the emphasis is on readability and clarity.

Springer and Professors Barber and Klarbring welcome book ideas from authors. Potential authors who wish to submit a book proposal should contact Dr. Mayra Castro, Senior Editor, Springer Heidelberg, Germany, email: mayra.castro@springer.com

Indexed by SCOPUS, Ei Compendex, EBSCO Discovery Service, OCLC, ProQuest Summon, Google Scholar and SpringerLink.

Recently published:

A. Carpinteri

Fracture and Complexity

One Century since Griffith's Milestone, Vol. 237

C. Hwu

Anisotropic Elasticity with Matlab

Vol. 267

D.A. Hills, H.N. Andresen

Mechanics of Fretting and Fretting Fatigue

Vol. 266

Upcoming Volumes:

E.H. Dowell (Ed.)

A Modern Course in Aeroelasticity

Vol. 264

P. Steinmann

Spatial and Material Vistas on Non-Linear Continuum Mechanics

A Dissipation-Consistent Approach, Vol. 272

Submission information at the [series homepage](http://series.homepage) and springer.com/authorsOrder online at springer.com ► or for the Americas call (toll free) 1-800-SPRINGER ► or email us at: customerservice@springer.com. ► For outside the Americas call +49 (0) 6221-345-4301 ► or email us at: customerservice@springer.com.