

A First Course in Continuum Mechanics



[A First Course in Continuum Mechanics_下载链接1](#)

著者:Professor Oscar Gonzalez

出版者:Cambridge University Press

出版时间:2008-1-17

装帧:Hardcover

isbn:9780521886802

A concise account of various classic theories of fluids and solids, this book is for courses in continuum mechanics for graduate students and advanced undergraduates. Thoroughly class-tested in courses at Stanford University and the University of Warwick, it is suitable for both applied mathematicians and engineers. The only prerequisites are an introductory undergraduate knowledge of basic linear algebra and differential equations. Unlike most existing works at this level, this book covers both isothermal and thermal theories. The theories are derived in a unified manner from the fundamental balance laws of continuum mechanics. Intended both for classroom use and for self-study, each chapter contains a wealth of exercises, with fully worked solutions to odd-numbered questions. A complete solutions manual is available to instructors upon request. Short bibliographies appear at the end of each chapter, pointing to material which underpins or expands upon the material discussed.

作者介绍:

目录:

[A First Course in Continuum Mechanics_下载链接1](#)

标签

力学

评论

可以找到的最适合自学的Continuum Mechanics

[A First Course in Continuum Mechanics_下载链接1](#)

书评

[A First Course in Continuum Mechanics_下载链接1](#)