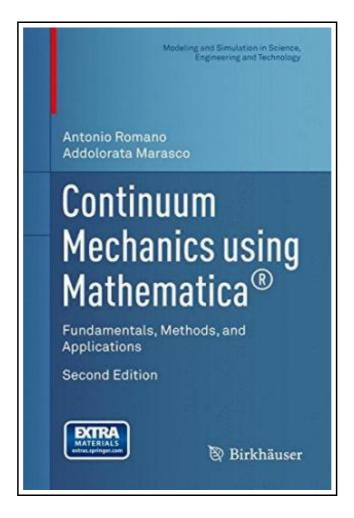
# Continuum Mechanics Using Mathematica 2014: Fundamentals, Methods, and Applications (Hardback)



Filesize: 1.48 MB

#### Reviews

An extremely wonderful publication with lucid and perfect reasons. It typically will not expense too much. You are going to like the way the blogger compose this publication. (Prof. Maya Hand)

## CONTINUUM MECHANICS USING MATHEMATICA 2014: FUNDAMENTALS, METHODS, AND APPLICATIONS (HARDBACK)



BIRKHAUSER BOSTON INC, United States, 2014. Hardback. Book Condition: New. 2nd Revised edition. 246 x 163 mm. Language: English. Brand New Book. This textbook s methodological approach familiarizes readers with the mathematical tools required to correctly define and solve problems in continuum mechanics. Covering essential principles and fundamental applications, this second edition of Continuum Mechanics using Mathematica(R) provides a solid basis for a deeper study of more challenging and specialized problems related to nonlinear elasticity, polar continua, mixtures, piezoelectricity, ferroelectricity, magneto-fluid mechanics and state changes (see A. Romano, A. Marasco, Continuum Mechanics: Advanced Topics and Research Trends, Springer (Birkhauser), 2010, ISBN 978-0-8176-4869-5). Key topics and features: \* Concise presentation strikes a balance between fundamentals and applications \* Requisite mathematical background carefully collected in two introductory chapters and one appendix \* Recent developments highlighted through coverage of more significant applications to areas such as wave propagation, fluid mechanics, porous media, linear elasticity. This second edition expands the key topics and features to include: \* Two new applications of fluid dynamics: meteorology and navigation \* New exercises at the end of the existing chapters \* The packages are rewritten for Mathematica 9 Continuum Mechanics using Mathematica(R): Fundamentals, Applications and Scientific Computing is aimed at advanced undergraduates, graduate students and researchers in applied mathematics, mathematical physics and engineering. It may serve as a course textbook or self-study reference for anyone seeking a solid foundation in continuum mechanics.

Read Continuum Mechanics Using Mathematica 2014: Fundamentals, Methods, and Applications (Hardback) Online

Download PDF Continuum Mechanics Using Mathematica 2014: Fundamentals, Methods, and Applications (Hardback)

#### Other eBooks



#### The Well-Trained Mind: A Guide to Classical Education at Home (Hardback)

WW Norton Co, United States, 2016. Hardback. Book Condition: New. 4th Revised edition. 244 x 165 mm. Language: English . Brand New Book. The Well-Trained Mind will instruct you, step by step, on how to...

Save ePub »



### Who am I in the Lives of Children? An Introduction to Early Childhood Education

Pearson Education (US), United States, 2015. Paperback. Book Condition: New. 10th Revised edition. 254 x 201 mm. Language: English . Brand New Book. Note: This is the bound book only and does not include access...

Save ePub »



#### **Any Child Can Write**

Oxford University Press Inc, United States, 2003. Paperback. Book Condition: New. 4th Revised edition. 201 x 135 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*\*. Harvey S. Wiener shows how parents can...

Save ePub »



#### Ohio Court Rules 2014, Government of Bench Bar

Createspace, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Ohio Court Rules 2014, Government of Bench Bar, contains all of the rules...

Save ePub »



#### Ohio Court Rules 2014, Practice Procedure

Createspace, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Ohio Court Rules 2014, Practice Procedure, contains all of the procedural rules you...

Save ePub »