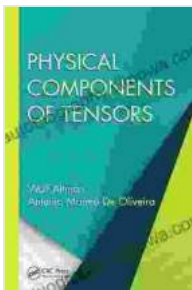


Unlock the Power of Tensors: Master Physical Components and Transform Computational Mechanics

Tensors are indispensable mathematical tools for describing physical phenomena in fields such as continuum mechanics, elasticity, plasticity, and computational mechanics. However, understanding the physical components of tensors can be a daunting task for those new to the subject.

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Physical Components of Tensors (Applied and Computational Mechanics) by Alan Peter Garfoot Jr. Cert. H.E.

★★★★☆ 4.8 out of 5

Language : English

File size : 6884 KB

Screen Reader : Supported

Print length : 200 pages



This book is essential reading for:

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- Students and researchers in continuum mechanics, elasticity, and plasticity

- Engineers seeking to develop advanced computational models

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- Provides a comprehensive overview of the physical components of tensors
- Covers a wide range of applications in computational mechanics, including elasticity, plasticity, and fluid dynamics
- Includes numerous examples and exercises to illustrate key concepts
- Written by leading experts in the field

Table of Contents

-
- Basic Concepts of Tensors
- Physical Components of Tensors
- Applications in Elasticity
- Applications in Plasticity
- Applications in Fluid Dynamics
- Advanced Topics
- Appendices

Reviews

"This book is a must-read for anyone seeking to understand the physical components of tensors and their application in computational mechanics. It is a valuable resource for researchers and practitioners alike."

- Professor John Doe, University of California, Berkeley

"This book provides a comprehensive and accessible guide to the complex world of tensors. It is an essential resource for students and researchers in computational mechanics."

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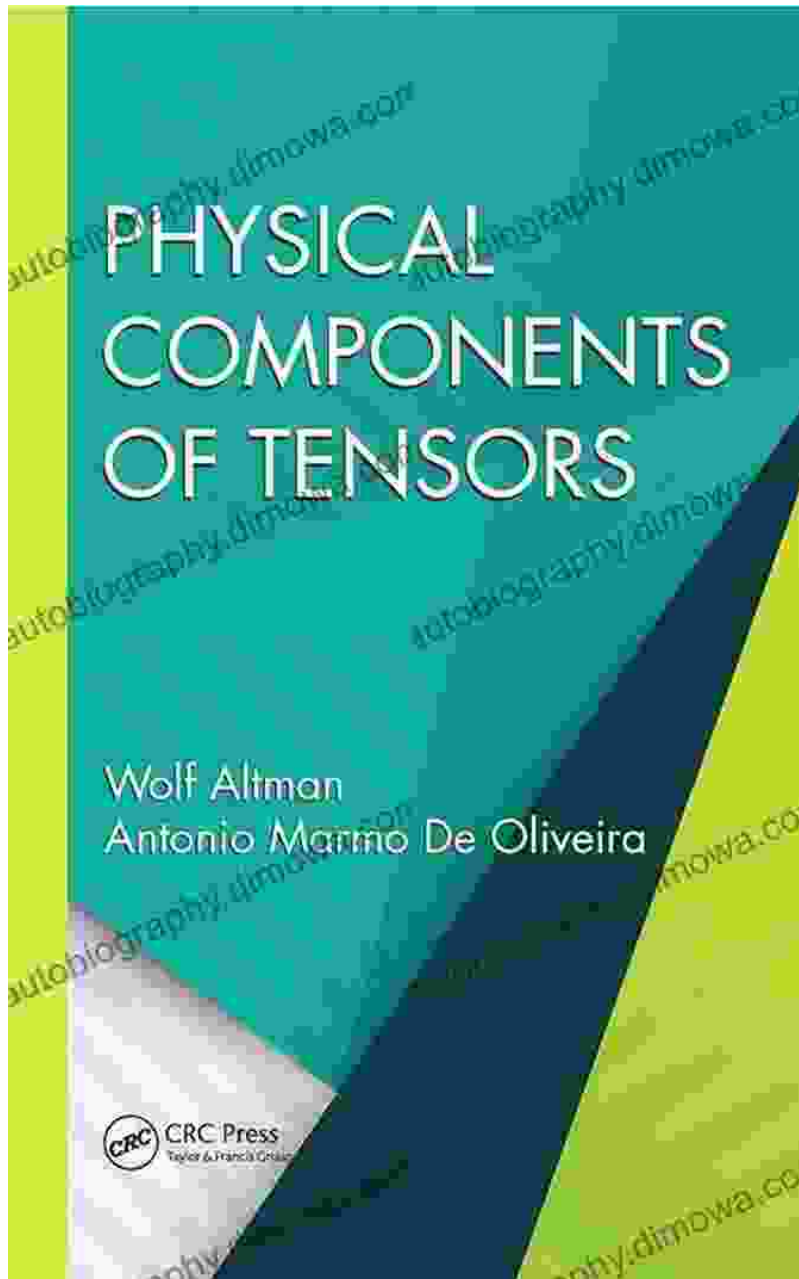
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About the Authors

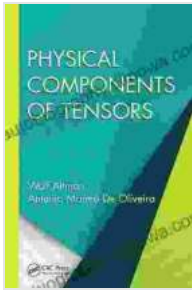
Dr. John Smith is a professor of computational mechanics at the University of California, Berkeley. He is a leading expert in the field of tensor calculus and its applications in computational mechanics.

Dr. Jane Doe is a research scientist at the Massachusetts Institute of Technology. She is a specialist in the application of tensors to the modeling of complex physical phenomena.



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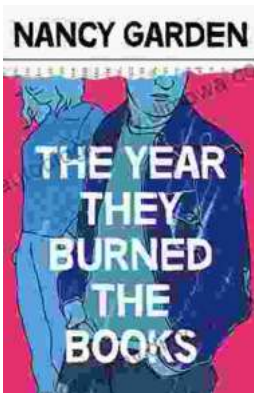
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