[PDF] A General Relativity Workbook

Thomas A. Moore - pdf download free book

Books Details:
Title: A General Relativity Workbook
Author: Thomas A. Moore
Released:
Language:
Pages: 476
ISBN: 1891389823
ISBN13: 9781891389825
ASIN: 1891389823

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Description:

A General Relativity Workbook is a textbook intended to support a one-semester undergraduate course on general relativity. Through its unique workbook-based design, it enables students to develop a solid mastery of both the physics and the supporting tensor calculus by guiding them to work through the implications. The mathematics is introduced gradually and in a completely physical context. Each chapter, which is designed to correspond to one class session, involves a short overview of the concepts without obscuring derivations or details, followed by a series of boxes that guide students through the process of working things out. This active-learning approach enables students to develop a more secure mastery of the material than more traditional

approaches. More than 350 homework problems support further learning.

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