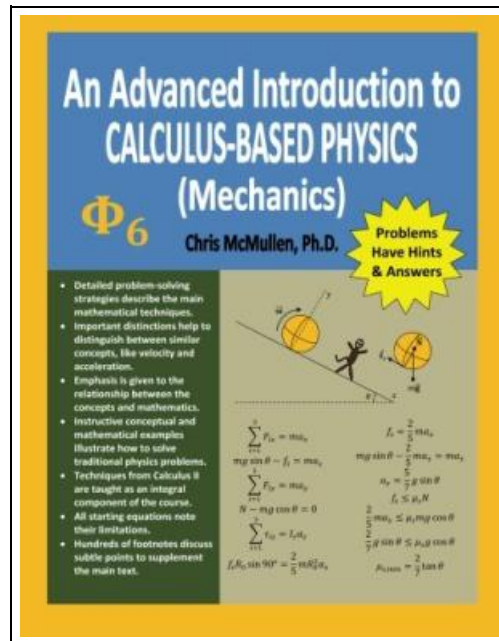


An Advanced Introduction to Calculus-Based Physics (Mechanics)



Filesize: 3.66 MB

Reviews

The most effective book i ever read through. It can be rally fascinating through looking at time period. Your lifestyle span will be enhance when you complete looking over this publication.
(Maribel Kerluke)

AN ADVANCED INTRODUCTION TO CALCULUS-BASED PHYSICS (MECHANICS)

[DOWNLOAD](#)

Createspace, United States, 2012. Paperback. Book Condition: New. 278 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.CONTENTS: This textbook covers the mechanics portion of first-semester calculus-based physics. AUDIENCE: This calculus-based physics textbook is geared toward independent learners who can handle the rigors of calculus and who seek to develop a strong introduction to the fundamentals of physics, both mathematically and conceptually. It could also serve as a useful reference for physics and engineering students who have gone beyond the first year of physics, but who would like to review the fundamentals as they explore more advanced fields of physics. This volume is dedicated to mechanics. PREREQUISITES: No previous exposure to physics is assumed. The student should be familiar with the basic techniques of differentiation and integration, including polynomials and trig functions, and should be fluent in algebra and familiar with the basic trig functions. COREQUISITES: The textbook teaches Calculus II skills as needed, such as the technique of integrating via trigonometric substitution. The textbook also reviews some Calculus I skills which students often forget, such as the mean-value theorem, l Hopital s rule, and the chain rule. This is not done in an introductory chapter or an appendix, but in the main text as these ideas first become useful. IMPORTANT DISTINCTIONS: Boxes of important distinctions are included in order to help students distinguish between similar concepts - like average speed and average velocity, between velocity and acceleration, or between mass and weight. TABLE OF EQUATIONS: There is a handy table of equations organized by topic on the back cover of the textbook. The equations in the text (but not on the cover) also include notes to help students understand any limitations that the equations may have (e.g. some equations only apply if acceleration is...

[Read An Advanced Introduction to Calculus-Based Physics \(Mechanics\) Online](#)[Download PDF An Advanced Introduction to Calculus-Based Physics \(Mechanics\)](#)

You May Also Like



Ne ma Goes to Daycare

AUTHORHOUSE, United States, 2015. Paperback. Book Condition: New. 216 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.This book is about a little biracial (African American/Caucasian) girl's first day...

[Download eBook](#)

»



THE Key to My Children Series: Evan s Eyebrows Say Yes

AUTHORHOUSE, United States, 2006. Paperback. Book Condition: New. 274 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.THE KEY TO MY CHILDREN SERIES: EVAN S EYEBROWS SAY YES is about...

[Download eBook](#)

»



Becoming a Spacewalker: My Journey to the Stars (Hardback)

Purdue University Press, United States, 2014. Hardback. Book Condition: New. 284 x 216 mm. Language: English . Brand New Book. This nonfiction picture book is a children's version of NASA astronaut Jerry L. Ross...

[Download eBook](#)

»



Twitter Marketing Workbook: How to Market Your Business on Twitter

Createspace Independent Publishing Platform, United States, 2016. Paperback. Book Condition: New. Workbook. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Twitter Marketing Workbook 2016 Learn how to market your...

[Download eBook](#)

»



I Learn, I Speak: Basic Skills for Preschool Learners of English and Chinese

Paraxus International, Inc., United States, 2012. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Please go to // and shapes for some high resolution sample...

[Download eBook](#)

»



Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625)

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English Brand New Book ***** Print on Demand *****.EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now you

[Read ePub](#)

»



Danses Sacree Et Profane, CD 113: Study Score

Petrucchi Library Press, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Debussy composed his concertante masterwork on commission from Pleyel for a

[Read ePub](#)

»



Loom Knitting for Mommy Me: Cute Designs for the Perfect Gift!

LEISURE ARTS INC, United States, 2013. Pamphlet. Book Condition: New. 269 x 216 mm. Language: English . Brand New Book. 5942 Loom Knitting for Mommy and Me Make loom-knit gifts for all the mothers, babies,

[Read ePub](#)

»



Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625)

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now

[Read ePub](#)

»



Halloween Stories: Spooky Short Stories for Kids

Createspace, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Spooky Halloween Ghost Stories for Kids!This book is not just any book, but

[Read ePub](#)

»