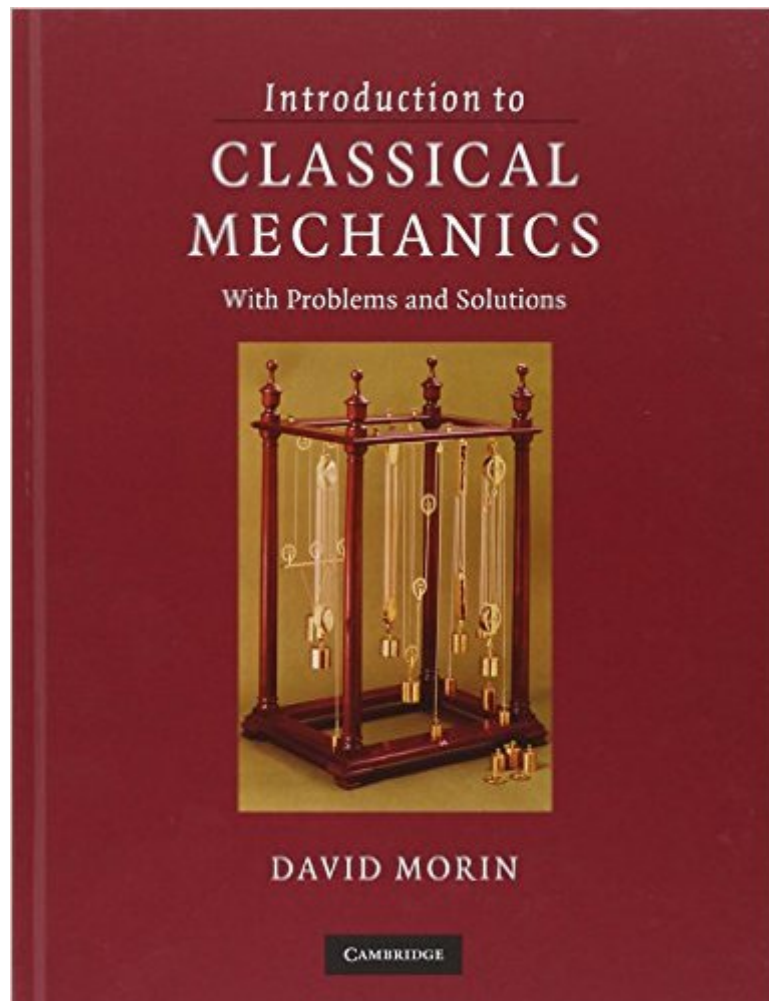


The book was found

# Introduction To Classical Mechanics: With Problems And Solutions



## Synopsis

This textbook covers all the standard introductory topics in classical mechanics, including Newton's laws, oscillations, energy, momentum, angular momentum, planetary motion, and special relativity. It also explores more advanced topics, such as normal modes, the Lagrangian method, gyroscopic motion, fictitious forces, 4-vectors, and general relativity. It contains more than 250 problems with detailed solutions so students can easily check their understanding of the topic. There are also over 350 unworked exercises which are ideal for homework assignments. Password protected solutions are available to instructors at [www.cambridge.org/9780521876223](http://www.cambridge.org/9780521876223). The vast number of problems alone makes it an ideal supplementary text for all levels of undergraduate physics courses in classical mechanics. Remarks are scattered throughout the text, discussing issues that are often glossed over in other textbooks, and it is thoroughly illustrated with more than 600 figures to help demonstrate key concepts.

## Book Information

Hardcover: 734 pages

Publisher: Cambridge University Press; 1 edition (February 4, 2008)

Language: English

ISBN-10: 0521876222

ISBN-13: 978-0521876223

Product Dimensions: 7.4 x 1.5 x 9.7 inches

Shipping Weight: 3.8 pounds (View shipping rates and policies)

Average Customer Review: 3.9 out of 5 stars Â Â See all reviews Â (37 customer reviews)

Best Sellers Rank: #46,026 in Books (See Top 100 in Books) #20 in Â Books > Science & Math > Physics > Mechanics #30 in Â Books > Textbooks > Science & Mathematics > Mechanics #115 in Â Books > Textbooks > Science & Mathematics > Physics

## Customer Reviews

However hard I try, I won't be able to tell you just how outstanding this book is. Books like this do not come often. And when they do, they revolutionize the way I understand, learn and teach physics. For me, this book did to mechanics what Griffith's books did to Electromagnetism and Quantum Mechanics. I originally found this book while I was studying special relativity during the first year of studying natural sciences at the University of Cambridge. I was baffled. Special relativity made no sense. I found this book, and started reading. The first thing that strikes you, as you pick up David Morin's work is how enjoyable his writing is. It's conversational, witty, peppered

with limericks, and generally quite fun (assuming you like physics, that is :-)) More to the point, it just makes sense. As I read through the chapter, things suddenly started clicking in ways they never had before (more on that later). But the best part of the book, without a doubt, are its footnotes. Time and time again, I was reading the book and came across a tricky point I didn't quite understand... And nine times out of ten, all I needed to do was look down and find a footnote answering my question. Uncanny at times, I'll admit. In a broader sense, I think the main attraction of this book lies in the fact Morin builds theories from the bottom up. Where other physics books start with disconnected phenomena and covers seemingly disparate rules governing them, Morin begins from the very basic axioms, and builds a shining edifice out of them. And then delights you with endless unexpected applications and consequences of these principles that will fill you with wonder. This is what physics is about, and this is why his book makes much sense. And obviously, the problems!

[Download to continue reading...](#)

Introduction to Classical Mechanics: With Problems and Solutions My Child Won't Sleep Through the Night: 5 No-Cry Solutions to Solve Your Child's Sleep Issues (Baby Sleep Solutions, Toddler Sleep Problems, Child Sleep Solutions, No-Cry Sleep Solution) Windows 10 Troubleshooting: Windows 10 Manuals, Display Problems, Sound Problems, Drivers and Software: Windows 10 Troubleshooting: How to Fix Common Problems ... Tips and Tricks, Optimize Windows 10) Special Relativity: An Introduction with 200 Problems and Solutions Easy Classical Guitar & Melodica Duets: Featuring music of Bach, Mozart, Beethoven, Wagner and others. For Classical Guitar and Melodica. In Standard Notation and Tablature. Computational Fluid Mechanics and Heat Transfer, Third Edition (Series in Computational and Physical Processes in Mechanics and Thermal Sciences) The Record Shelf Guide to Classical CDs and Audiocassettes: Fifth Revised and Expanded Edition (Insider's Guide to Classical Recordings) Reinforced Concrete: Mechanics and Design (4th Edition) (Civil Engineering and Engineering Mechanics) Quantum Mechanics: Classical Results, Modern Systems, and Visualized Examples Robotics: The Beginner's Guide to Robotic Building, Technology, Mechanics, and Processes (Robotics, Mechanics, Technology, Robotic Building, Science) Soil Mechanics in Highway Engineering (Series on Rock and Soil Mechanics) A Rasa Reader: Classical Indian Aesthetics (Historical Sourcebooks in Classical Indian Thought) Classical Mechanics Classical Mechanics (3rd Edition) Mechanics II: Mechanics of Materials + Craig's Soil Mechanics: Solutions Manual Solutions Manual for Molecular Quantum Mechanics Solved Practical Problems in Fluid Mechanics Student Solutions Manual for Differential Equations: Computing and Modeling and Differential Equations and Boundary Value Problems: Computing and

# Modeling BeagleBone Cookbook: Software and Hardware Problems and Solutions

[Dmca](#)