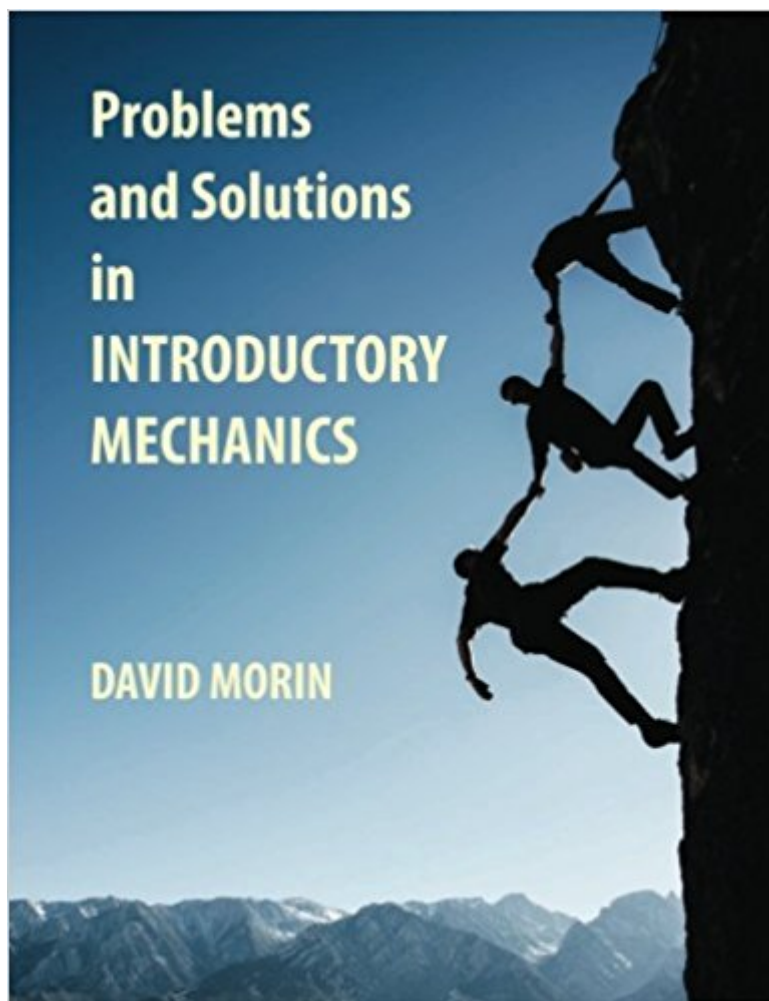




Ebook Directory
the best source of ebook

The book was found

Problems And Solutions In Introductory Mechanics



Synopsis

This problem book is ideal for high-school and college students in search of practice problems with detailed solutions. All of the standard introductory topics in mechanics are covered: kinematics, Newton's laws, energy, momentum, angular momentum, oscillations, gravity, and fictitious forces. The introduction to each chapter provides an overview of the relevant concepts. Students can then warm up with a series of multiple-choice questions before diving into the free-response problems which constitute the bulk of the book. The first few problems in each chapter are derivations of key results/theorems that are useful when solving other problems. While the book is calculus-based, it can also easily be used in algebra-based courses. The problems that require calculus (only a sixth of the total number) are listed in an appendix, allowing students to steer clear of those if they wish. Additional details: (1) Features 150 multiple-choice questions and nearly 250 free-response problems, all with detailed solutions. (2) Includes 350 figures to help students visualize important concepts. (3) Builds on solutions by frequently including extensions/variations and additional remarks. (4) Begins with a chapter devoted to problem-solving strategies in physics. (5) A valuable supplement to the assigned textbook in any introductory mechanics course.

Book Information

Paperback: 352 pages

Publisher: CreateSpace Independent Publishing Platform; 1 edition (August 14, 2014)

Language: English

ISBN-10: 1482086921

ISBN-13: 978-1482086928

Product Dimensions: 8.5 x 0.8 x 11 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

Average Customer Review: 4.8 out of 5 stars 15 customer reviews

Best Sellers Rank: #21,025 in Books (See Top 100 in Books) #11 in Books > Science & Math > Physics > Mechanics #19 in Books > Textbooks > Science & Mathematics > Mechanics

Customer Reviews

David Morin is a Lecturer and the Associate Director of Undergraduate Studies in the Physics Department at Harvard University. He received his A.B. in mathematics from Brown University and his Ph.D. in theoretical particle physics from Harvard University. He is the author of five books, including Introduction to Classical Mechanics (Cambridge University Press, 2008), Electricity and Magnetism (Cambridge University Press, co-author, 2013), and Probability: For the Enthusiastic

Beginner (2016). When not writing textbooks, thinking of physics limericks, or conjuring up new problems whose answers involve e or the golden ratio, he can be found running along the Charles River or hiking in the White Mountains of New Hampshire. Resources for his books, along with other educational material, can be found on his Harvard webpage.

I placed my order for Dr. Morin's first book on January 1st, 2008 here on . Since then, he has brought E&M by Purcell up to date and now has this book to offer. For \$5.95, it is a must have e-book for any high school student thinking of majoring in physics at college. Dr. Morin started mentoring me in high school, then helped me thrive at MIT. He knows the subject inside and out and conveys that knowledge exceptionally well.

Excellent book, just what I was looking for. Very well written with great examples and problems to solve!

Great book for preparing physics AP1 and USPHO $F=ma$!

Good book and excellent service!

About the best I have seen.

This book not only articulates good problem solving strategies (and the reasons for them); but it also has a lot of good conceptual problems (unlike many other books that have solved physics problems). This is one of my favorite physics study guides.

Specific to the kindle edition- the app on nexus 7 has equations that are essentially unreadable. Given that the Nexus has stock android running, it is puzzling as to why the kindle edition was not tested on stock Google devices first. The kindle app for mac and the cloud reader are both fairly readable, so there are workarounds.

Great book...excellent set of problems. Highly recommended for the advanced high school student

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

Problems and Solutions in Introductory Mechanics Prostate Problems Home Remedies, How To Fight Prostate Problems At Home, Get Rid Of Prostate Problems Fast!: Back On Track - Fighting

Prostate Problems At Home Introduction to Classical Mechanics: With Problems and Solutions 100 Math Brainteasers (Grade 7, 8, 9, 10). Arithmetic, Algebra and Geometry Brain Teasers, Puzzles, Games and Problems with Solutions: Math olympiad contest problems for elementary and middle schools How trace element selenium affects men's health: Discover how selenium can affect: prostate problems, eczema problems, asthma breathing, and 9 other health problems Introductory DC/AC Electronics And Introductory DC/AC Circuits: Laboratory Manual, 6th Edition Mathematics for Quantum Mechanics: An Introductory Survey of Operators, Eigenvalues, and Linear Vector Spaces (Dover Books on Mathematics) Introductory Statistical Mechanics Computational Fluid Mechanics and Heat Transfer, Third Edition (Series in Computational and Physical Processes in Mechanics and Thermal Sciences) Computational Fluid Mechanics and Heat Transfer, Second Edition (Series in Computational and Physical Processes in Mechanics and Thermal Sciences) Reinforced Concrete: Mechanics and Design (4th Edition) (Civil Engineering and Engineering Mechanics) Fracture and Fatigue Control in Structures: Applications of Fracture Mechanics (Prentice-Hall International Series in Civil Engineering and Engineering Mechanics) Introduction to Practical Peridynamics: Computational Solid Mechanics Without Stress and Strain (Frontier Research in Computation and Mechanics of Materials) Biofluid Mechanics, Second Edition: An Introduction to Fluid Mechanics, Macrocirculation, and Microcirculation (Biomedical Engineering) Mechanics of Materials (Computational Mechanics and Applied Analysis) Probabilistic fracture mechanics and reliability (Engineering Applications of Fracture Mechanics) Fracture Mechanics of Concrete: Applications of Fracture Mechanics to Concrete, Rock and Other Quasi-Brittle Materials Advanced Molecular Quantum Mechanics: An Introduction to Relativistic Quantum Mechanics and the Quantum Theory of Radiation (Studies in Chemical Physics) Engineering Mechanics: Statics Plus MasteringEngineering with Pearson eText -- Access Card Package (14th Edition) (Hibbeler, The Engineering Mechanics: Statics & Dynamics Series, 14th Edition) Dynamic Fracture Mechanics (Cambridge Monographs on Mechanics)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)