



Back-of-the-Envelope Physics

By Clifford E. Swartz

Johns Hopkins University Press. Paperback. Book Condition: new. BRAND NEW, Back-of-the-Envelope Physics, Clifford E. Swartz, Physicists use "back-of-the-envelope" estimates to check whether or not an idea could possibly be right. In many cases, the approximate solution is all that is needed. This compilation of 101 examples of back-of-the-envelope calculations celebrates a quantitative approach to solving physics problems. Drawing on a lifetime of physics research and nearly three decades as the editor of *The Physics Teacher*, Clifford Swartz provides simple, approximate solutions to physics problems that span a broad range of topics. What note do you get when you blow across the top of a Coke bottle? Could you lose weight on a diet of ice cubes? How can a fakir lie on a bed of nails without getting hurt? Does draining water in the northern hemisphere really swirl in a different direction than its counterpart below the equator? In each case, only a few lines of arithmetic and a few natural constants solve a problem to within a few percent. Covering such subjects as astronomy, magnetism, optics, sound, heat, mechanics, waves, and electricity, the book provides a rich source of material for teachers and anyone interested in the physics of...



READ ONLINE
[7.16 MB]

Reviews

This is the best pdf i have got go through until now. It is loaded with wisdom and knowledge I discovered this publication from my i and dad encouraged this book to find out.

-- **Aryanna Sauer**

The publication is great and fantastic. I am quite late in start reading this one, but better then never. I discovered this pdf from my dad and i suggested this ebook to discover.

-- **Linnie Kling**

Other Kindle Books



Readers Clubhouse Set B What Do You Say

Barron s Educational Series, United States, 2006. Paperback. Book Condition: New. Ann Losa (illustrator). 142 x 13 mm. Language: English . Brand New Book. This is volume six, Reading Level 2, in a comprehensive program (Reading Levels 1 and 2)for beginning readers.Two...



Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the...



Sport is Fun (Red B) NF

Pearson Education Limited. Paperback. Book Condition: new. BRAND NEW, Sport is Fun (Red B) NF, Dianne Irving, This title is part of Pearson's Bug Club - the first whole-school reading programme that joins books and an online reading world to teach today's...



Mass Media Law: The Printing Press to the Internet

Peter Lang Publishing Inc, United States, 2013. Paperback. Book Condition: New. New.. 251 x 175 mm. Language: English . Brand New Book. Digital media law is now the dynamic legal territory. Mass Media Law: The Printing Press to the Internet is a...



Do This! Not That!: The Ultimate Handbook of Counterintuitive Parenting

Skyhorse Publishing. Paperback / softback. Book Condition: new. BRAND NEW, Do This! Not That!: The Ultimate Handbook of Counterintuitive Parenting, Anna Glas, Ase Teiner, Malou Fickling, There are loads of books covering the basics of getting along with and disciplining children, but...



Hands Free Mama: A Guide to Putting Down the Phone, Burning the To-Do List, and Letting Go of Perfection to Grasp What Really Matters!

ZONDERVAN, United States, 2014. Paperback. Book Condition: New. 211 x 137 mm. Language: English . Brand New Book. Rachel Macy Stafford s post The Day I Stopped Saying Hurry Up was a true phenomenon on The Huffington Post, igniting countless conversations online...