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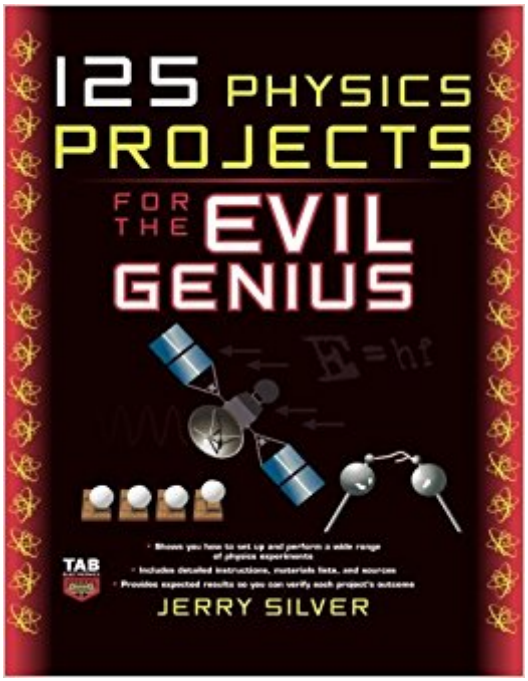
125 Physics Projects For The Evil Genius



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Synopsis

125 Wickedly Fun Ways to Test the Laws of Physics! Now you can prove your knowledge of physics without expending a lot of energy. 125 Physics Projects for the Evil Genius is filled with hands-on explorations into key areas of this fascinating field. Best of all, these experiments can be performed without a formal lab, a large budget, or years of technical experience!Using easy-to-find parts and tools, this do-it-yourself guide offers a wide variety of physics experiments you can accomplish on your own. Topics covered include motion, gravity, energy, sound, light, heat, electricity, and more. Each of the projects in this unique guide includes parameters, a detailed methodology, expected results, and an explanation of why the experiment works. 125 Physics Projects for the Evil Genius:Features step-by-step instructions for 125 challenging and fun physics experiments, complete with helpful illustrationsAllows you to customize each experiment for your purposesIncludes details on the underlying principles behind each experimentRemoves the frustration factor--all required parts are listed, along with sources125 Physics Projects for the Evil Genius provides you with all of the information you need to demonstrate:Constant velocityCircular motion and centripetal forceGravitational accelerationNewton’s laws of motionEnergy and momentumThe wave properties of soundRefraction, reflection, and the speed of lightThermal expansion and absolute zeroElectrostatic force, resistance, and magnetic levitationThe earth’s magnetic fieldThe size of a photon, the charge of an electron, and the photoelectric effectAnd more

Book Information

Series: Evil Genius

Paperback: 352 pages

Publisher: McGraw-Hill Education TAB; 1 edition (April 11, 2009)

Language: English

ISBN-10: 0071621318

ISBN-13: 978-0071621311

Product Dimensions: 8.5 x 0.7 x 10.8 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 starsÂ Â See all reviewsÂ (11 customer reviews)

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Customer Reviews

In keeping with their theme, the creators of the Evil Genius books have again come up with many different ways to make science FUN!!! My son spends a lot of his free time reading and experimenting or building out of these books and it never feels to him like he's doing schoolwork. If you have other books from this series, then this is a must add for your collection. If you have never delved into this series of books yet, then start now!

So, I bought this for my high-school physics teaching sister and her face was ecstatic. She loved it and has told me that she's tried a few of the projects in her class and her students really responded to them. Good Stuff.

Very good book for getting a great start with physics when you want a hands-on approach to physics this book is very hands-on.

A good book for for science teachers who likes to demonstrate phenomena but does not have enough equipment in the school lab.

Reasonable and doable for the amateur hobbyist.

perfect!

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