

<<Barron's AP 物理B (第4版) >>

图书基本信息

书名：<<Barron's AP 物理B (第4版) >>

13位ISBN编号：9787506295239

10位ISBN编号：7506295237

出版时间：2011-1

出版时间：世界图书出版公司

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页数：509

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内容概要

in this review book, you will be taught several strategies for making your learning and studying more efficient. these are skills that will always be useful and that you can apply across the curriculum for many different subjects. each topical review chapter contains ten multiple-choice questions that differ in variety, style, and level of difficulty. their purpose is to provide you with a balanced set of questions that test your level of understanding of the review material. some questions may be easier or more difficult than the actual ap physics b exam questions because, unlike the actual test, which covers a broad range of subjects, each chapter in this book deals with a specific topic. in addition to the multiple-choice questions there are free-response problems that also vary in difficulty. full solutions and explanations follow the questions. additional problem-solving strategies are also provided. before the review chapters, there is a diagnostic examination designed to measure your initial level of understanding or to use for practice. at the end of the book, two additional sample examinations are provided. each examination is fully explained with solutions and guidelines.

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章节摘录

插图：Have you ever tried to do a physics problem only to quit in frustration because you didn't know how to get started？

Many students often complain about this difficulty. Also, often students will say, after doing poorly on a test, that they "really studied hard" or "really knew the stuff." When asked how they studied, most will say that they reviewed their notes and looked at old homework assignments. A few industrious students may even have tried to do some extra problems. Another factor revealed when students are interviewed about their study habits is that often they do not understand how the various parts of the material are connected. They memorize formulas and gain experience in solving certain types of problems. When faced with a challenging problem of a different kind, however, many students who study in this way may not even know how to start to solve it !

In physics, success requires more than the ability to memorize and use formulas. To solve a problem correctly, you must first understand what you are asked to do. Then you must access from your memory all of the information that may be related to the ideas involved in the problem. Next, you must decide which specific facts are relevant to the solution. Finally, you must decide on a path that will hopefully lead you to the correct solution. All of this mental process must be completed, on the AP examination, within an average of 15 minutes on a free-response problem (in a considerably shorter time on a multiple-choice question) .

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编辑推荐

《Barron's AP 物理B(第4版)(最新版)》：备考指南，考点透析，1套诊断测试助您认清强弱项，4套全真测试题帮您考前热身。

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