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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.

Aplusphysics *Silly Beagle Productions*

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Learning Statistics with R *Lulu.com*

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A First Course in Network Science *Cambridge University Press*

A practical introduction to network science for students across business, cognitive science, neuroscience, sociology, biology, engineering and other disciplines.

2004 Physics Education Research Conference *Springer Science & Business Media*

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Introductory Quantum Optics *Cambridge University Press* Publisher Description

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Physics by Inquiry *John Wiley & Sons*

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Introductory Electricity and Magnetism

Understanding and Reducing College Student Departure John Wiley & Sons

Student departure is a long-standing problem to colleges and universities. Approximately 45 percent of students enrolled in two-year colleges depart during their first year, and approximately one out of four students departs from a four-year college or university. The authors advance a serious revision of Tinto's popular interactionist theory to account for student departure, and they postulate a theory of student departure in commuter colleges and universities. This volume delves into the literature to describe exemplary campus-based programs designed to reduce student departure. It emphasizes the importance of addressing student departure through a multidisciplinary approach, engaging the whole campus. It proposes new models for nonresidential students and students from diverse backgrounds, and suggests directions for further research. Academic and student affairs administrators seeking research-based approaches to understanding and reducing student departure will profit from reading this volume. Scholars of the college student experience will also find it valuable in defining new thrusts in research on the student departure process.

Algorithms Addison-Wesley Professional

This book is Part I of the fourth edition of Robert Sedgewick and Kevin Wayne's Algorithms, the leading textbook on algorithms today, widely used in colleges and universities worldwide. Part I contains Chapters 1 through 3 of the book. The fourth edition of Algorithms surveys the most important computer algorithms

currently in use and provides a full treatment of data structures and algorithms for sorting, searching, graph processing, and string processing -- including fifty algorithms every programmer should know. In this edition, new Java implementations are written in an accessible modular programming style, where all of the code is exposed to the reader and ready to use. The algorithms in this book represent a body of knowledge developed over the last 50 years that has become indispensable, not just for professional programmers and computer science students but for any student with interests in science, mathematics, and engineering, not to mention students who use computation in the liberal arts. The companion web site, algs4.cs.princeton.edu contains An online synopsis Full Java implementations Test data Exercises and answers Dynamic visualizations Lecture slides Programming assignments with checklists Links to related

material The MOOC related to this book is accessible via the "Online Course" link at algs4.cs.princeton.edu. The course offers more than 100 video lecture segments that are integrated with the text, extensive online assessments, and the large-scale discussion forums that have proven so valuable. Offered each fall and spring, this course regularly attracts tens of thousands of registrants. Robert Sedgewick and Kevin Wayne are developing a modern approach to disseminating knowledge that fully embraces technology, enabling people all around the world to discover new ways of learning and teaching. By integrating their textbook, online content, and MOOC, all at the state of the art, they have built a unique resource that greatly expands the breadth and depth of the educational experience.

Physics for Scientists and Engineers Addison-Wesley