

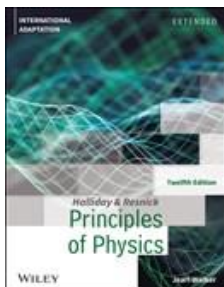
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Recommended Science Titles

May 2024

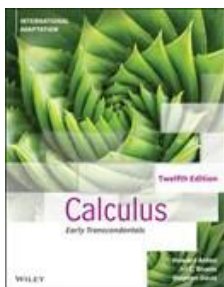


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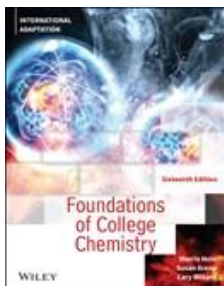
Principles of Physics: Extended, International Adaptation (12th Edition)
David Halliday, Robert Resnick, Jearl Walker
9781119820611
Pub Date: 7/6/23
1456 pages
Paperback
Science / Physics

Summary: Renowned for its interactive focus on conceptual understanding, Halliday and Resnick's *Principles of Physics*, 12th edition, is an industry-leading resource in physics teaching with expansive, insightful, and accessible treatments of a wide variety of subjects. Focusing on several contemporary areas of research and a wide array of tools that support students' active learning, this book guides students through the process of learning how to effectively read scientific material, identify f...



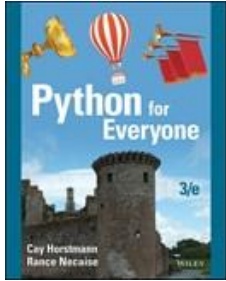
Calculus: Early Transcendentals, International Adaptation (12th Edition)
Howard Anton, Irl C. Bivens, Stephen Davis
9781119820482
Pub Date: 6/27/22
1232 pages
Paperback
Mathematics / Calculus

Summary: *Calculus: Early Transcendentals*, 12th Edition delivers a rigorous and intuitive exploration of calculus, introducing polynomials, rational functions, exponentials, logarithms, and trigonometric functions early in the text. Using the Rule of Four, the authors present mathematical concepts from verbal, algebraic, visual, and numerical points of view. The book includes numerous exercises, applications, and examples that help readers learn and retain the concepts discussed within. This new ...



Foundations of College Chemistry, International Adaptation (16th Edition)
Morris Hein, Susan Arena, Cary Willard
9781119889243
Pub Date: 5/1/23
624 pages
Paperback
Science / Chemistry

Summary: *Foundations of College Chemistry*, 16th edition presents chemistry as a modern, vital subject and is designed to make introductory chemistry accessible to all beginning students. It is intended for students who have never taken a chemistry course or those who had a significant interruption in their studies but plan to continue with the general chemistry sequence. The central focus is to make chemistry interesting and understandable and teach students the problem-solving skills they will ...



Python For Everyone, Enhanced eText (3rd Edition)

Cay S. Horstmann, Rance D. Necaise
9781119498537
Pub Date: 12/17/18
E-Book
Computers

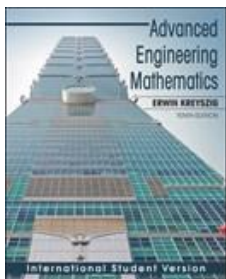
Summary: **Python for Everyone, 3e** is an introduction to programming designed to serve a wide range of student interests and abilities, focused on the essentials, and on effective learning. It is suitable for a first course in programming for computer scientists, engineers, and students in other disciplines. The interactive eText requires no prior programming experience and only a modest amount of high school algebra. Objects are used where appropriate in early chapters and students start designin...



Fundamentals of Materials Science and Engineering (6th Edition)

William D. Callister, Jr., David G. Rethwisch
9781119820543
Pub Date: 7/14/22
992 pages
Paperback
Technology & Engineering / Materials Science

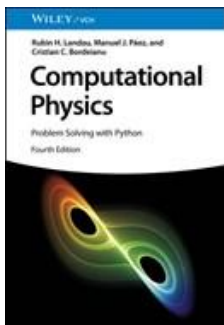
Summary: Fundamentals of Materials Science and Engineering provides a comprehensive coverage of the three primary types of materials (metals, ceramics, and polymers) and composites. Adopting an integrated approach to the sequence of topics, the book focuses on the relationships that exist between the structural elements of materials and their properties. This presentation permits the early introduction of non-metals and supports the engineer's role in choosing materials based upon their characte...



Advanced Engineering Mathematics, International Student Version (10th Edition)

Erwin Kreyszig
9780470646137
Pub Date: 5/3/11
1152 pages
Paperback
Mathematics / Applied

Summary: This market-leading text is known for its comprehensive coverage, careful and correct mathematics, outstanding exercises, and self contained subject matter parts for maximum flexibility. The new edition continues with the tradition of providing instructors and students with a comprehensive and up-to-date resource for teaching and learning engineering mathematics, that is, applied mathematics for engineers and physicists, mathematicians and computer scientists, as well as members of othe...

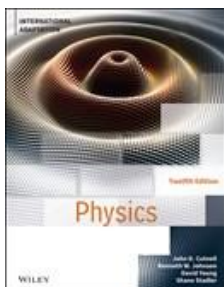


Computational Physics (4th Edition)
 Rubin H. Landau, Manuel J. Páez, Cristian C. Bordeianu
 9783527414253
 Pub Date: 3/25/24
 592 pages
 Paperback
 Science / Physics / Mathematical & Computational

Summary: Computational Physics

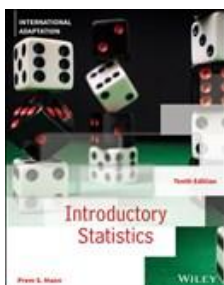
The classic in the field for more than 25 years, now with increased emphasis on data science and new chapters on quantum computing, machine learning (AI), and general relativity

Computational physics combines physics, applied mathematics, and computer science in a cutting-edge multidisciplinary approach to solving realistic physical problems. It has become integral to modern physics research because of its capacity to bridge the gap between mathematical theory and...



Physics, International Adaptation (12th Edition)
 John D. Cutnell, Kenneth W. Johnson, David Young, Shane Stadler
 9781119820574
 Pub Date: 8/11/22
 1136 pages
 Paperback
 Science / Physics

Summary: The newly revised Twelfth Edition of Cutnell's *Physics* delivers an effective and accessible introduction to college and university physics. It contains easy-to follow explanations of critical math and problem-solving concepts. From kinematics to work and energy, temperature, heat, electricity, magnetism and optics as well as foundational concepts in more advanced subjects like special relativity, *Physics* is the ideal introductory text for students from any background. The greatest stren...



Introductory Statistics, International Adaptation (10th Edition)
 Prem S. Mann
 9781394226382
 Pub Date: 2/6/24
 752 pages
 Paperback
 Mathematics / Probability & Statistics

Summary: *Introductory Statistics*, 10th edition, is written for a one- or two-semester first course in applied statistics and is intended for students who do not have a strong background in mathematics. The only prerequisite is knowledge of elementary algebra. Known for its realistic examples and exercises, clarity and brevity of presentation, and soundness of pedagogical approach, the book encourages statistical interpretation and literacy regardless of student background. The book employs a cle...