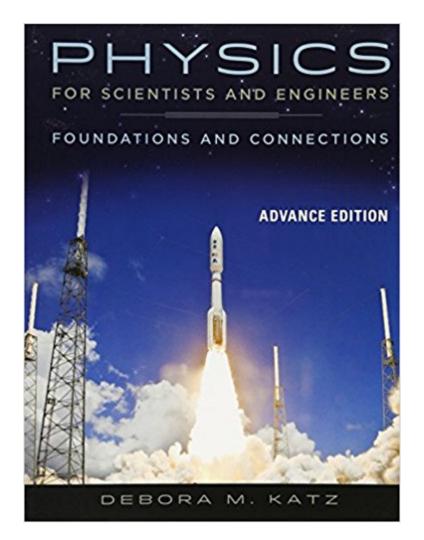


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Bundle: Physics For Scientists And Engineers: Foundations And Connections, Advance Edition, Loose-leaf Version + WebAssign Printed Access Card For ... And Connections, 1st Edition, Multi-Term





## Synopsis

Debora Katz's ground-breaking calculus-based physics program, PHYSICS FOR SCIENTISTS AND ENGINEERS: FOUNDATIONS AND CONNECTIONS, features a one-of-a-kind approach that enables students to connect mathematical formalism and physics concepts in a modern, interactive way. By leveraging physics education research (PER) best practices and her extensive classroom experience, Dr. Katz addresses the areas students struggle with most: linking physics to the real world, overcoming common preconceptions, and connecting the concept being taught to the mathematical steps to follow. Case studies, student dialogues, and detailed two-column examples distinguish this text from any other on the market and will assist you in taking your students "beyond the quantitative."

### **Book Information**

CD-ROM Publisher: Brooks Cole; 1 edition (June 15, 2015) Language: English ISBN-10: 1305775287 ISBN-13: 978-1305775282 Package Dimensions: 10.9 x 8.4 x 1.8 inches Shipping Weight: 5.4 pounds (View shipping rates and policies) Average Customer Review: Be the first to review this item Best Sellers Rank: #341,137 in Books (See Top 100 in Books) #191 in Books > Science & Math > Physics > Mathematical Physics #594 in Books > Textbooks > Science & Mathematics > Mathematics > Calculus #952 in Books > Science & Math > Mathematics > Pure Mathematics > Calculus

#### **Customer Reviews**

Katz earned her PhD in Astrophysics from University of Minnesota, one of the top PER programs in the country. She has been active in the PER community and has attended multiple conferences to learn how to better integrate innovative pedagogies into the classroom. She has effectively done so in a very traditional environment at the Naval Academy, where she is a tenured professor. She is an active researcher who regularly works with undergraduate students.

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