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Advanced Engineering Mathematics

By Erwin Kreyszig



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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.

Thoroughly updated and streamlined to reflect new developments in the field, the ninth edition of this bestselling text features modern engineering applications and the uses of technology. Kreyszig introduces engineers and computer scientists to advanced math topics as they relate to practical problems. The material is arranged into seven independent parts: ODE; Linear Algebra, Vector Calculus; Fourier Analysis and Partial Differential Equations; Complex Analysis; Numerical methods; Optimization, graphs; and Probability and Statistics.

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Editorial Review

From the Back Cover

Erwin Kreyszig's **Advanced Engineering Mathematics**, **9th Edition** introduces engineers and computer scientists to advanced math topics as they relate to practical problems.

In today's world of increasingly complex engineering problems, powerful new mathematical and computational methods, and enormous computer capacities, you can get overwhelmed by little things you will only occasionally use. Instead, you need to learn how to think mathematically and gain a firm grasp of the interrelationship among theory, computing, and experiment. That's why Kreyszig's text helps you develop a solid understanding of the basic principles and methods of advanced engineering mathematics in all three phases of problem solving: Modeling, Solving, and Interpreting. This best-selling text is known for its comprehensive coverage, careful and correct mathematics, outstanding exercises, and self-contained chapters.

Key Features

- New problem sets.
- New Computer Experiments, using the computer as an instrument of "experimental mathematics" for exploration and research.
- More on modeling and selection methods.
- Accurate and solid theoretical foundation.
- Clear examples and exposition of material.
- Modern and standard notations.

Users Review

From reader reviews:

Robert Crumrine:

Do you have favorite book? When you have, what is your favorite's book? Book is very important thing for us to find out everything in the world. Each guide has different aim or maybe goal; it means that book has different type. Some people really feel enjoy to spend their time for you to read a book. They may be reading whatever they get because their hobby is definitely reading a book. Consider the person who don't like looking at a book? Sometime, particular person feel need book if they found difficult problem or even exercise. Well, probably you will want this Advanced Engineering Mathematics.

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