



Advanced Engineering Mathematics, 10th Edition International Student Version

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DESCRIPTION

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 other disciplines.

This edition can be accompanied with *WileyPLUS 5.0*, a powerful online teaching and learning environment that integrates the entire digital textbook with the most effective resources to fit every learning style.

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NEW TO EDITION

- **Revised Problem Sets:** This edition includes an extensive revision of the problem sets, making them even more effective, useful, and up-to-date.
- **Chapter Introductions:** These have also been rewritten to be more accessible and helpful to students.
- **Rewrites:** Some material has been rewritten specifically to better help students draw conclusions and tackle more advanced material.
- **Chapter Revisions:** Many of the chapters in this edition have been rewritten entirely. Some have had material added, including but not limited to:
 - Introduction of Euler's Method in section 1.2
 - Partial Derivatives on a Surface in section 9.6
 - Introduction to the Heat Equation in section 12.5

FEATURES

- **Simplicity of Examples:** To make the book teachable, why choose complicated examples when well-written simple ones are as instructive or even better?
- **Independence of Chapters:** To provide flexibility in tailoring courses to special needs.
- **Self-Contained Presentation:** Except for a few clearly marked places where a proof would exceed the level of the book and a reference is given instead.
- **Modern Standard Notation:** To help students with other courses, modern books, and mathematical and engineering journals.

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