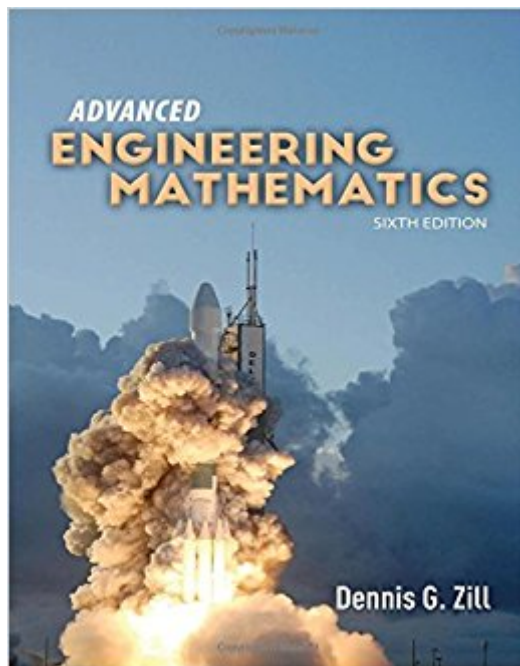


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# Advanced Engineering Mathematics



## Synopsis

Modern and comprehensive, the new sixth edition of award-winning author, Dennis G. Zill's *Advanced Engineering Mathematics* is a compendium of topics that are most often covered in courses in engineering mathematics, and is extremely flexible to meet the unique needs of courses ranging from ordinary differential equations, to vector calculus, to partial differential equations. A key strength of this best-selling text is the author's emphasis on differential equations as mathematical models, discussing the constructs and pitfalls of each. An accessible writing style and robust pedagogical aids guide students through difficult concepts with thoughtful explanations, clear examples, interesting applications, and contributed project problems. New and Key Features:

- Enhanced - Available with WebAssign Online Homework and Grading System, which includes thousands of new problems for this edition
- NEW - Chapters on differential equations include many new applications and problems
- NEW - Incorporates a new emphasis on integral-defined solutions of differential equations
- Updated - An updated design with new art and photos throughout the text provides an enhanced look and feel
- NEW - Additional Remarks throughout the text provide added clarity to concepts presented in the chapter
- Student Favorite - Includes eight contributed applied project problems spread throughout the text, including an in-depth discussion of the mathematics and history of the Paris Guns of World War I

Every new print copy includes access to the Navigate Student Companion Website where students will find a wealth of learning and study tools to help them succeed in their course, including:

- Projects and Applications contributed by experts in the field
- Two additional chapters on Probability and Statistics

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