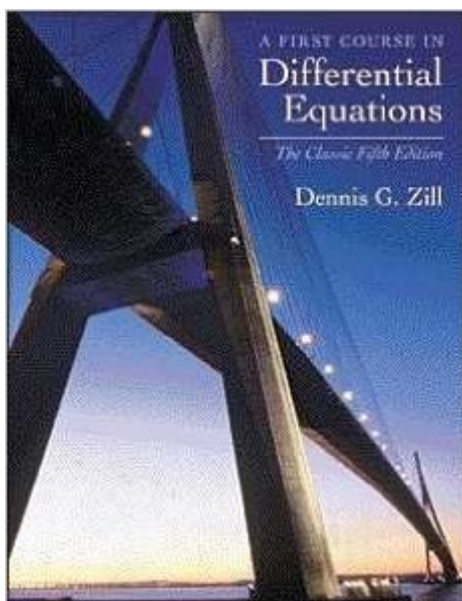


The book was found

A First Course In Differential Equations: The Classic Fifth Edition (Classic Edition)



Synopsis

The CLASSIC EDITION of Zill's respected book was designed for instructors who prefer not to emphasize technology, modeling, and applications, but instead want to focus on fundamental theory and techniques. Zill's CLASSIC EDITION, a reissue of the fifth edition, offers his excellent writing style, a flexible organization, an accessible level of presentation, and a wide variety of examples and exercises, all of which make it easy to teach from and easy for readers to understand and use.

Book Information

Series: Classic Edition

Hardcover: 520 pages

Publisher: Cengage Learning; 5 edition (December 8, 2000)

Language: English

ISBN-10: 0534373887

ISBN-13: 978-0534373887

Product Dimensions: 8.3 x 1.1 x 10.4 inches

Shipping Weight: 2.6 pounds (View shipping rates and policies)

Average Customer Review: 3.9 out of 5 stars [See all reviews](#) (49 customer reviews)

Best Sellers Rank: #87,784 in Books (See Top 100 in Books) #31 in [Books > Science & Math > Mathematics > Applied > Differential Equations](#) #148 in [Books > Textbooks > Science & Mathematics > Mathematics > Calculus](#) #226 in [Books > Science & Math > Mathematics > Pure Mathematics > Calculus](#)

Customer Reviews

This particular textbook concerns ordinary differential equations. There are plenty of examples, and they are worked in steps that should make the solution strategy clear to any student with at least two previous semesters of calculus. One of the unusual features of the book are essays written by mathematicians present at the end of chapters 3, 4, 5, and 9. Each essay concerns applications of concepts learned in the previous chapter. The book is well illustrated, and motivations for study are included by making the examples solve practical problems such as the charge on a capacitor, solving orthogonal trajectories of the family of a rectangular hyperbola, or even determining the half-life of a radioactive substance. This makes it ideal for engineering students. There are numerous exercises at the end of each chapter and the solutions to odd numbered problems can be found in the back of the book. The following is the table of contents:1. INTRODUCTION TO DIFFERENTIAL EQUATIONSBasic Definitions and Terminology / Some Mathematical Models /

Review / Exercises
2. FIRST-ORDER DIFFERENTIAL EQUATIONS
Preliminary Theory / Separable Variables / Homogeneous Equations / Exact Equations / Linear Equations / Equations of Bernoulli, Ricatti, and Clairaut / Substitutions / Picard's Method / Review / Exercises
3. APPLICATIONS OF FIRST-ORDER DIFFERENTIAL EQUATIONS
Orthogonal Trajectories / Applications of Linear Equations / Applications of Nonlinear Equations / Review / Exercises / Essay: Population Dynamics
4.

[Download to continue reading...](#)

A First Course in Differential Equations: The Classic Fifth Edition (Classic Edition) Differential Equations and Boundary Value Problems: Computing and Modeling (5th Edition) (Edwards/Penney/Calvis Differential Equations) Differential Equations: Computing and Modeling (5th Edition) (Edwards/Penney/Calvis Differential Equations) Fundamentals of Differential Equations (8th Edition) (Featured Titles for Differential Equations) Applied Partial Differential Equations with Fourier Series and Boundary Value Problems (5th Edition) (Featured Titles for Partial Differential Equations) Fundamentals of Differential Equations and Boundary Value Problems (6th Edition) (Featured Titles for Differential Equations) Student Solutions Manual for Differential Equations: Computing and Modeling and Differential Equations and Boundary Value Problems: Computing and Modeling Ecuaciones diferenciales con aplicaciones de modelado/ A First Course in Differential Equations (Spanish Edition) A First Course in Differential Equations with Modeling Applications A Course in Ordinary Differential Equations, Second Edition Applied Differential Equations: The Primary Course (Textbooks in Mathematics) A Second Course in Elementary Differential Equations (Dover Books on Mathematics) Algebra Essentials Practice Workbook with Answers: Linear & Quadratic Equations, Cross Multiplying, and Systems of Equations (Improve Your Math Fluency Series) Transformations Of Coordinates, Vectors, Matrices And Tensors Part I: LAGRANGE'S EQUATIONS, HAMILTON'S EQUATIONS, SPECIAL THEORY OF RELATIVITY AND CALCULUS ... Mathematics From 0 And 1 Book 16) Elementary Differential Equations and Boundary Value Problems , 8th Edition, with ODE Architect CD Elementary Differential Equations with Boundary Value Problems (6th Edition) Applied Partial Differential Equations: With Fourier Series and Boundary Value Problems, 4th Edition Differential Equations and Linear Algebra (3rd Edition) Differential Equations with Boundary Value Problems (2nd Edition) Student Solutions Manual to accompany Partial Differential Equations: An Introduction, 2nd Edition

[Dmca](#)