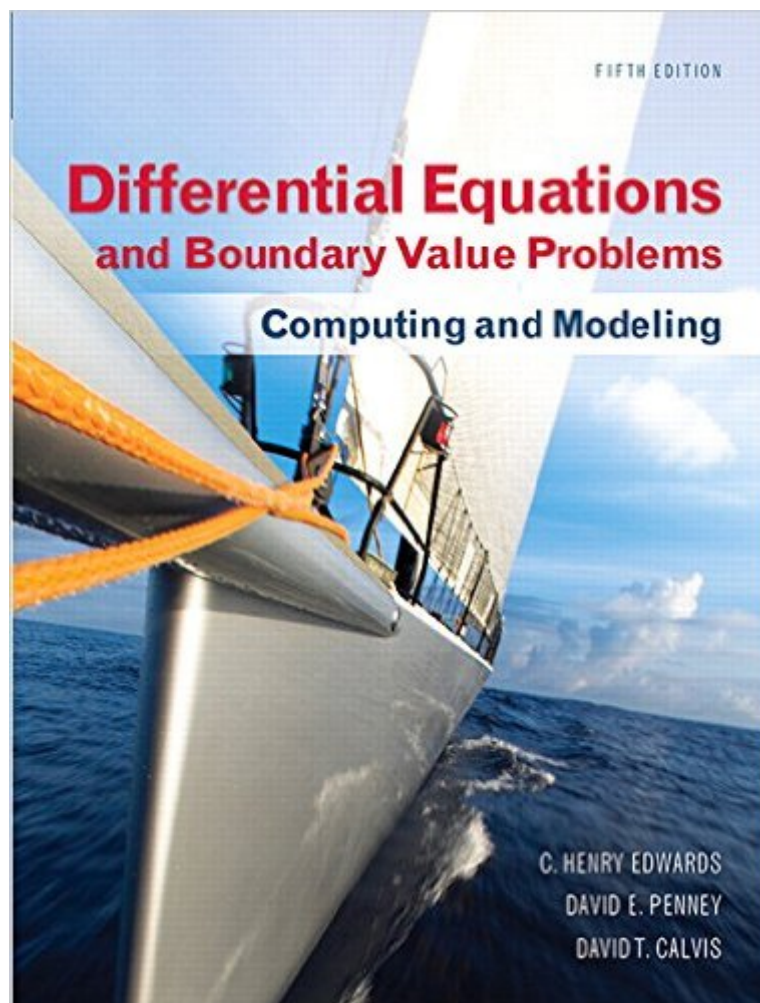# Differential Equations And Boundary Value Problems: Computing And Modeling (5th Edition) (Edwards/Penney/Calvis Differential Equations)

Synopsis

For introductory courses in Differential Equations. Â This best-selling text by these well-known authorsÂ blends the traditional algebra problem solving skills withÂ the conceptual development and geometric visualization of a modern differential equations course that is essential to science and engineering students. It reflects the new qualitative approach that is altering the learning of elementary differential equations, including the wide availability of scientific computing environments like Maple, Mathematica, and MATLAB. Its focus balances the traditional manual methods with the new computer-based methods that illuminate qualitative phenomena and make accessible a wider range of more realistic applications. Seldom-used topics have been trimmed and new topics added: it starts and ends with discussions of mathematical modeling of real-world phenomena, evident in figures, examples, problems, and applications throughout the text.

Book Information

Customer Reviews

I've compared this side by side with the previous edition, and all of the questions are the same. You could absolutely make it by with the previous book for much cheaper.Regarding this book, it's a great book. Very informative and to the point. Small for a textbook, not a pain to carry around.

This book isn't bad for a diff e q textbook. It tends to lean a little heavily on simple examples, but otherwise, it's a pretty solid textbook. The explanations are pretty good and the material is easy to

follow. There's only a couple errors in the solutions in the back of the book, but otherwise, the book is pretty solid. It's definitely one of the better diff e q books I've seen.

I rented this book for my differential equations class at the University of Utah. I thought the book was very straightforward and easy to understand. The writing is good I thought. Just go to class, work the exercises, and you'll be fine. There are parts that are a bit hard, but that's just math/physics/engineering for you. The examples had a good mixture of trivial to difficult, as did the exercises. One positive thing about the physical aspect of the book is that it's light and small--perfect if you keep it in your backpack.I think the only thing I'd suggest is for the PDE section to go a little bit more in depth. Granted, we only covered PDEs for the final week or so, but it would've been nice to better understand that. I don't think I fully "got it."

Good book. Great for an entry level Differential Equations class. It has many good examples. The one draw back is that some of the answers in the back of the book are not correct.

Good examples, plenty of problems to practice with.

Great, pristine condition. 5/7 would recommend.

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) Student Solutions Manual for Differential Equations: Computing and Modeling and Differential Equations and Boundary Value Problems: Computing and Modeling 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) Elementary Differential Equations and Boundary Value Problems , 8th Edition, with ODE Architect CD Applied Partial Differential Equations: With Fourier Series and Boundary Value Problems, 4th Edition Partial Differential Equations with Fourier Series and Boundary Value Problems (2nd Edition) Elementary Differential Equations with Boundary Value Problems (6th Edition) Differential Equations with Boundary Value Problems (2nd Edition) Elementary Differential Equations and Boundary Value Problems Differential Equations with Boundary-Value Problems Elementary Differential Equations with Boundary Value Problems

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