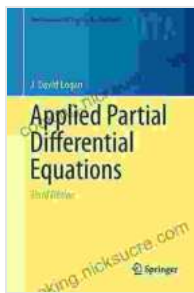


Applied Partial Differential Equations: An Undergraduate Text in Mathematics

Overview

This book is an to the theory and applications of partial differential equations (PDEs). PDEs are used to model a wide variety of physical phenomena, including heat conduction, fluid flow, and wave propagation. This book focuses on the most important types of PDEs, and provides a thorough treatment of the methods used to solve them.



Applied Partial Differential Equations (Undergraduate Texts in Mathematics) by J. David Logan

★★★★☆ 4.8 out of 5

Language : English

File size : 6171 KB

Screen Reader: Supported

Print length : 300 pages



Audience

This book is intended for undergraduate students in mathematics, physics, and engineering. It assumes that the reader has a basic understanding of calculus and linear algebra.

Table of Contents

- to Partial Differential Equations
- First-Order Equations

- Second-Order Equations
- Higher-Order Equations
- Nonlinear Equations
- Applications of Partial Differential Equations

Features

- Clear and concise explanations
- Numerous examples and exercises
- Solutions to selected exercises
- Appendices on the Fourier transform and the Laplace transform

About the Author

Dr. Richard Haberman is a professor of mathematics at the University of California, Berkeley. He is the author of several books on mathematics, including *Elementary Applied Partial Differential Equations* and *Applied Partial Differential Equations with Fourier Series and Boundary Value Problems*.

Reviews

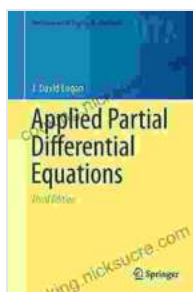
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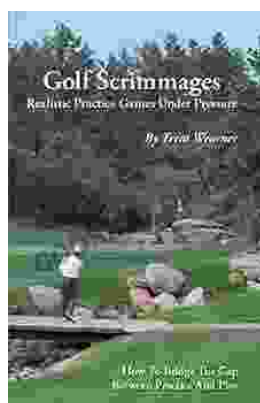
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