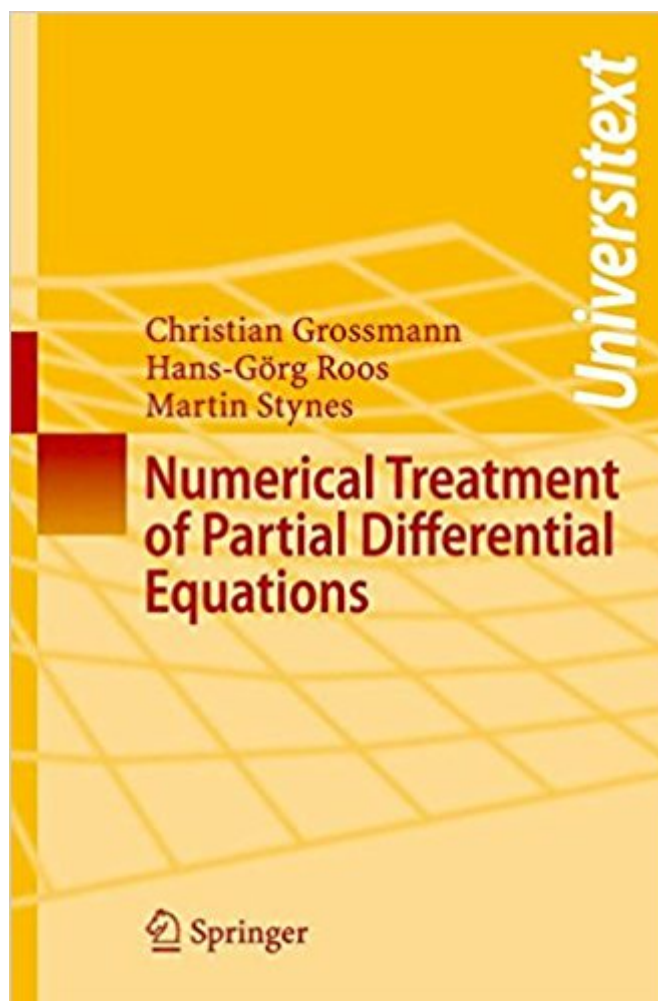


The book was found

Numerical Treatment Of Partial Differential Equations (Universitext)



Synopsis

This book deals with discretization techniques for partial differential equations of elliptic, parabolic and hyperbolic type. It provides an introduction to the main principles of discretization and gives a presentation of the ideas and analysis of advanced numerical methods in the area. The book is mainly dedicated to finite element methods, but it also discusses difference methods and finite volume techniques. Coverage offers analytical tools, properties of discretization techniques and hints to algorithmic aspects. It also guides readers to current developments in research.

Book Information

Series: Universitext

Paperback: 596 pages

Publisher: Springer; 2007 edition (November 16, 2007)

Language: English

ISBN-10: 3540715827

ISBN-13: 978-3540715825

Product Dimensions: 6.1 x 1.4 x 9.2 inches

Shipping Weight: 1.9 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #736,609 in Books (See Top 100 in Books) #99 in [Books > Science & Math > Mathematics > Number Systems](#) #429 in [Books > Science & Math > Mathematics > Applied > Differential Equations](#) #619 in [Books > Science & Math > Mathematics > Mathematical Analysis](#)

Customer Reviews

From the reviews: "This textbook is the translation and revision of the third German edition of 2005. ... the book deals with different aspects of the numerical solution of elliptic, parabolic and hyperbolic partial differential equations. ... An index and two pages with a summary of the notations used complete the presentation. ... It can be highly recommended for students and engineers but also for numerical analysts." (Riidiger Weiner, Zentralblatt fiir Angewandte Mathematik and Mechanik, Vol. 88 (12), 2008)

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

Applied Partial Differential Equations with Fourier Series and Boundary Value Problems (5th Edition) (Featured Titles for Partial Differential Equations) Numerical Treatment of Partial Differential

Equations (Universitext) Numerical Partial Differential Equations: Conservation Laws and Elliptic Equations (Texts in Applied Mathematics) (v. 33) Functional Analysis, Sobolev Spaces and Partial Differential Equations (Universitext) Numerical Partial Differential Equations in Finance Explained: An Introduction to Computational Finance (Financial Engineering Explained) Numerical Partial Differential Equations: Finite Difference Methods (Texts in Applied Mathematics) Partial Differential Equations with Numerical Methods (Texts in Applied Mathematics) Numerical Solution of Partial Differential Equations: Finite Difference Methods (Oxford Applied Mathematics and Computing Science Series) Partial Differential Equations of Mathematical Physics and Integral Equations (Dover Books on Mathematics) Differential Equations and Boundary Value Problems: Computing and Modeling (5th Edition) (Edwards/Penney/Calvis Differential Equations) Fundamentals of Differential Equations (8th Edition) (Featured Titles for Differential Equations) Differential Equations: Computing and Modeling (5th Edition) (Edwards/Penney/Calvis Differential Equations) Student Solutions Manual to accompany Boyce Elementary Differential Equations 10e & Elementary Differential Equations with Boundary Value Problems 10e [DIFFERENTIAL EQUATIONS, DYNAMICAL SYSTEMS, and an Introduction to Chaos [DIFFERENTIAL EQUATIONS, DYNAMICAL SYSTEMS, AND AN INTRODUCTION TO CHAOS BY Hirsch, Morris W. (Author) Mar-26-2012] By Hirsch, Morris W. (Author) [2012) [Paperback] Student's Solutions Manual for Fundamentals of Differential Equations 8e and Fundamentals of Differential Equations and Boundary Value Problems 6e Stochastic Differential Equations: An Introduction with Applications (Universitext) Boundary Value Problems, Sixth Edition: and Partial Differential Equations Partial Differential Equations for Scientists and Engineers (Dover Books on Mathematics) Boundary Value Problems: and Partial Differential Equations Applied Partial Differential Equations: With Fourier Series and Boundary Value Problems, 4th Edition

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)