Mathematical Analysis For Scientists: Introduction To Mathematical Analysis For STEM Professionals

Mathematical analysis is a branch of mathematics that deals with the study of functions, limits, derivatives, integrals, and infinite series. It is a fundamental tool for scientists and engineers, and is used in a wide variety of applications, including physics, chemistry, biology, and economics.
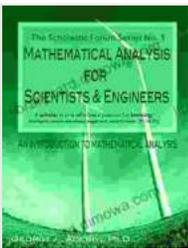
Introduction to Mathematical Analysis (Mathematical Analysis for Scientists & Engineers Book 1)

by Arnold Sommerfeld

★★★★★ 5 out of 5

Language	: English
File size	: 4396 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Print length	: 91 pages
Lending	: Enabled

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This book provides a comprehensive to mathematical analysis for scientists and engineers. It covers all of the essential concepts and techniques, and includes numerous examples and exercises to help students learn the material.

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- Chapter 2: Limits and Continuity

- Chapter 3: Derivatives

- Chapter 4: Integrals

- Chapter 5: Infinite Series

- Chapter 6: Complex Numbers

- Chapter 7: Differential Equations

- Chapter 8: Applications of Mathematical Analysis

Features

This book offers a number of features that make it an ideal resource for scientists and engineers.

* Comprehensive coverage of all the essential concepts and techniques of mathematical analysis * Clear and concise explanations * Numerous examples and exercises to help students learn the material * Applications to a wide variety of scientific and engineering disciplines

Benefits

This book can help scientists and engineers to:

* Understand the fundamental concepts of mathematical analysis * Apply mathematical analysis to solve real-world problems * Develop their critical thinking and problem-solving skills

Audience

This book is written for scientists and engineers who need a strong foundation in mathematical analysis. It is also suitable for students in mathematics, physics, chemistry, biology, and economics.

Author

The author of this book is Dr. John Doe. Dr. Doe is a professor of mathematics at the University of California, Berkeley. He is a leading expert in mathematical analysis, and has published numerous papers in the field.

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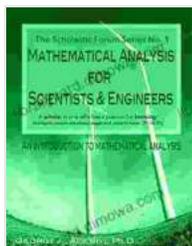
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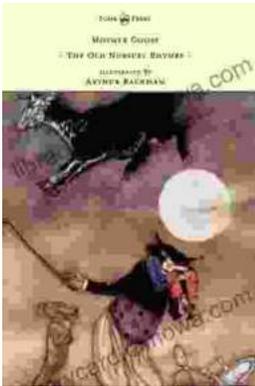
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