Practical Introduction to Advances in Applied Mathematics

Operations Research: A Practical Introduction (Advances in Applied Mathematics)

★★★★☆ 4.5 out of 5

Language : English
File size : 12298 KB
Print length : 470 pages

Applied mathematics is the branch of mathematics that deals with the application of mathematical techniques to solve real-world problems. It is used in a wide variety of fields, including engineering, physics, biology, finance, and economics.

In recent years, there have been significant advances in applied mathematics. These advances have led to the development of new mathematical techniques that can be used to solve more complex problems than ever before.

This book provides a practical to these advances. It covers a wide range of topics, including:

- Mathematical modeling

- Numerical analysis

- Optimization

- Data science

- Machine learning

Each chapter includes real-world examples and hands-on exercises that will help you to apply the techniques that you learn to solve problems in your own field.

Whether you are a student, a researcher, or a professional, this book will provide you with the knowledge and skills that you need to succeed in the rapidly growing field of applied mathematics.

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2. Mathematical Modeling

3. Numerical Analysis

4. Optimization

5. Data Science

6. Machine Learning

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Reviews

"This book is a comprehensive and up-to-date to the latest advances in applied mathematics. It is written in a clear and concise style, and it is packed with real-world examples and hands-on exercises. I highly recommend this book to anyone who wants to learn about the latest advances in applied mathematics."

- Dr. John Doe, Professor of Applied Mathematics, University of California, Berkeley

"This book is a valuable resource for students, researchers, and professionals in applied mathematics. It provides a comprehensive overview of the latest advances in the field, and it includes real-world examples and hands-on exercises that will help readers to apply the techniques that they learn to solve problems in their own field. I highly recommend this book to anyone who wants to learn about the latest advances in applied mathematics."

- Dr. Jane Doe, Professor of Applied Mathematics, Stanford University

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