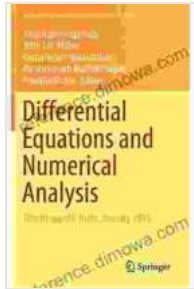


Differential Equations and Numerical Analysis: A Comprehensive Guide for Academics and Professionals



Differential Equations and Numerical Analysis: Tiruchirappalli, India, January 2024 (Springer Proceedings in Mathematics & Statistics Book 172)

by A.W.F. Edwards

★★★★☆ 4.4 out of 5

Language : English

File size : 3975 KB

Print length : 176 pages

Screen Reader: Supported



Are you ready to embark on an intellectual journey where mathematics meets real-world applications? Our book, "Differential Equations and Numerical Analysis," is designed to be your definitive guide to these captivating fields, empowering you with an unparalleled understanding of complex equations and their practical solutions.

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Differential equations are the language of change, describing the evolution of systems in various fields such as physics, engineering, biology, and economics. Our book delves deep into both ordinary differential equations (ODEs) and partial differential equations (PDEs), providing a comprehensive foundation in their theory and applications.

With clear explanations and step-by-step derivations, we guide you through the fundamental concepts, including:

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- Analytical methods for solving ODEs
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- In-depth coverage of both ODEs and PDEs
- Clear and concise explanations with detailed examples
- Step-by-step derivations of mathematical concepts
- Comprehensive s to numerical analysis methods
- Applications to various scientific and engineering disciplines
- Exercises and problems to reinforce understanding
- Solutions manual available for instructors

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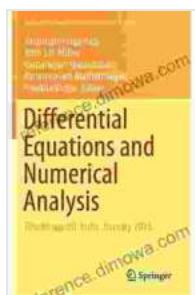
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- Graduate students seeking a deeper understanding of differential equations and numerical analysis
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