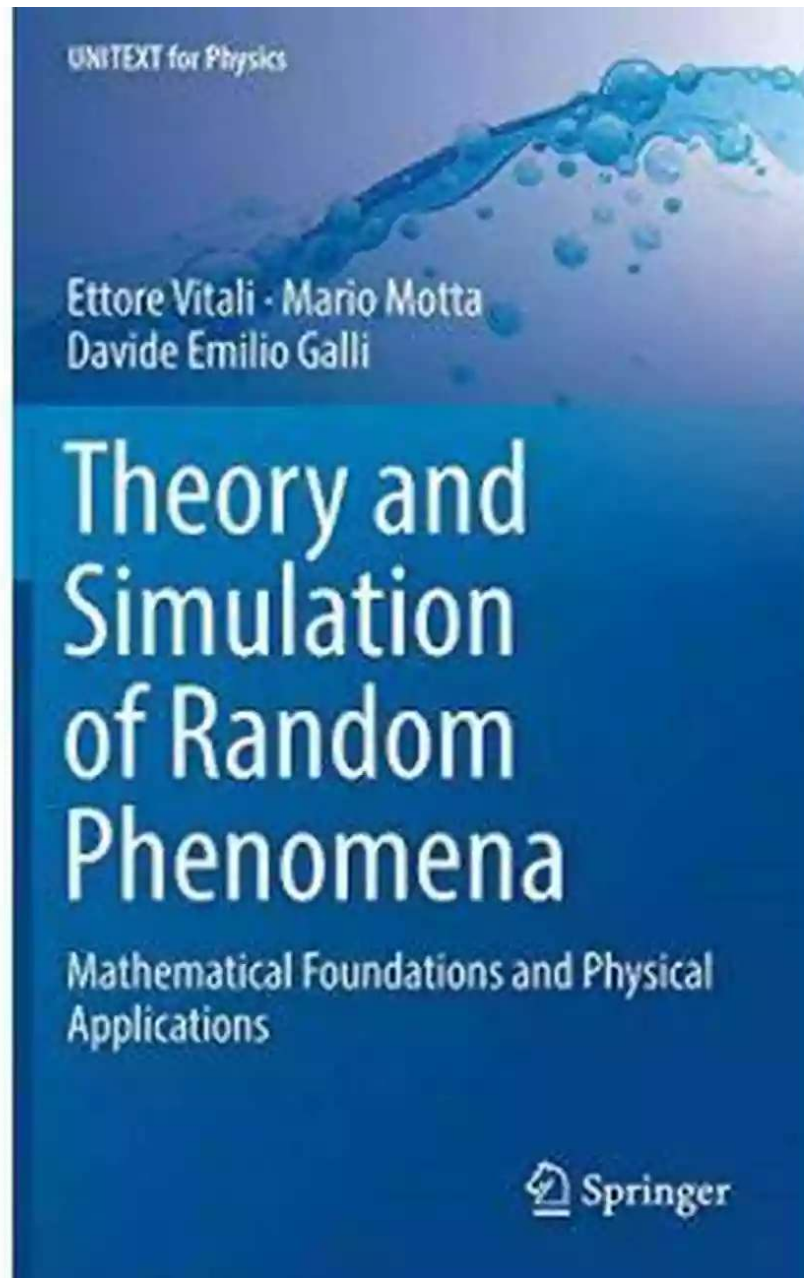


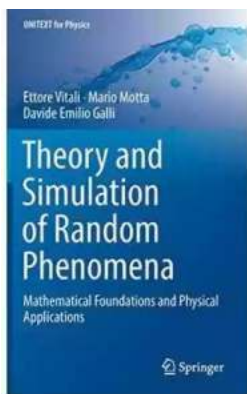
The Fascinating Journey of Mathematical Foundations And Physical Applications Unitext For Physics



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Theory and Simulation of Random Phenomena: Mathematical Foundations and Physical Applications (UNITEXT for Physics)

by Alexander J. Zaslavski(1st ed. 2018 Edition, Kindle Edition)

★★★★☆ 4.4 out of 5

Language : English
File size : 66581 KB
Text-to-Speech : Enabled
Enhanced typesetting : Enabled
Word Wise : Enabled
Print length : 335 pages
Screen Reader : Supported



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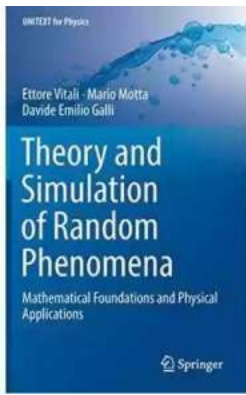
exercises that demonstrate how mathematical concepts can be applied to solve physical problems. This approach not only enhances understanding but also highlights the importance of mathematics in the study of physics.

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The for this article - "Unravel the Mysteries of the Universe with Mathematical Foundations And Physical Applications Unitext For Physics!" - reflects the essence of the Unitext for Physics series. By studying the mathematical foundations of physics, we are able to unravel the mysteries and secrets of the universe. Through this series, readers can embark on an exciting journey of discovery, exploring the fundamental laws that govern our existence.

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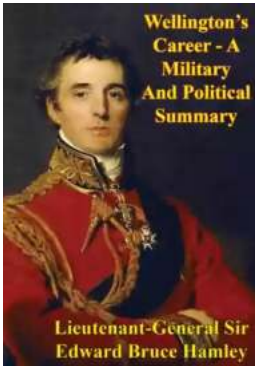
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The purpose of this book is twofold: first, it sets out to equip the reader with a sound understanding of the foundations of probability theory and stochastic processes, offering step-by-step guidance from basic probability theory to advanced topics, such as stochastic differential equations, which typically are presented in textbooks that require a very strong mathematical background. Second, while leading the reader on this journey, it aims to impart the knowledge needed in order to develop algorithms that simulate realistic physical systems. Connections with several fields of pure and applied physics, from quantum mechanics to econophysics, are provided. Furthermore, the inclusion of fully solved exercises will enable the reader to learn quickly and to explore topics not covered in the main text. The book will appeal especially to graduate students wishing to learn how to simulate physical systems and to deepen their knowledge of the mathematical framework, which has very deep connections with modern quantum field theory.



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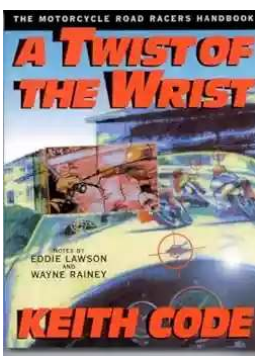
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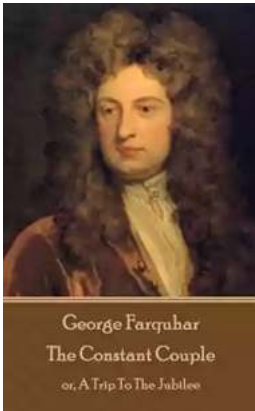
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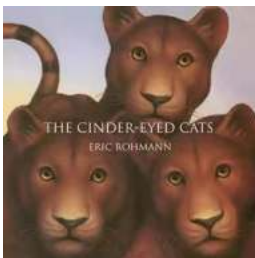
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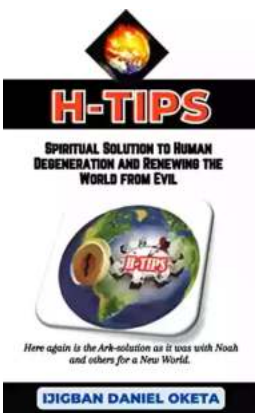
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