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   Nota di contenuto   Preface -- Chapter 1 The Paradigm of Complex Probability and Quantum Mechanics: The Infinite Potential Well Problem - The Position Wave Function by Abdo Abou Jaoude -- Chapter 2 The Paradigm of Complex Probability and Quantum Mechanics: The Infinite Potential Well Problem - The Momentum Wavefunction and the Wavefunction Entropies by Abdo Abou Jaoude -- Chapter 3 Stability of Algorithms in Statistical Modeling by Alexander A. Kronberg and Tatiana K. Kronberg -- Chapter 4 Some Results on the Non-Homogeneous Hofmann Process by Gerson Yahir Palomino Velandia and Jose Alfredo Jimenez Moscoso -- Chapter 5 Probability to Be Involved in a Road Accident: Transport User Socioeconomic Approach by Saul Antonio Obregon Biosca, Jose Luis Reyes Araiza and Miguel Angel Perez Lara y Hernandez -- Chapter 6 Quantifying Risk Using Loss Distributions by Retsebile Maphalla, Moroke Mokhoabane, Mulalo Ndou and Sandile Shongw.

   Sommario/riassunto   Probability theory is a branch of statistics, a science that employs mathematical methods of collection, organization, and interpretation of data, with applications in practically all scientific areas. This book provides a comprehensive overview of probability theory. It discusses some fundamental aspects of pure and applied probability theory and explores its use in solving a large array of problems. Topics addressed include complex probability, the stability of algorithms in statistical modeling, the non-homogeneous Hofmann process, and more.