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Nota di bibliografia	Includes bibliographical references (p. [205]-214) and index.
Nota di contenuto	Frontmatter -- Contents -- 1. Foundations of probability theory -- 2. Quantum probabilities -- 3. Negative probabilities -- 4. p-adic probability theory -- 5. Tests for randomness for p-adic probability theory -- 6. Contextual probability and interference -- 7. Quantum-like representation -- Backmatter
Sommario/riassunto	This is the first fundamental book devoted to non-Kolmogorov probability models. It provides a mathematical theory of negative probabilities, with numerous applications to quantum physics, information theory, complexity, biology and psychology. The book also presents an interesting model of cognitive information reality with flows of information probabilities, describing the process of thinking, social, and psychological phenomena.