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Descrizione fisica	1 online resource (xvi, 280 pages) : illustrations (some color)
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Disciplina	006.3843
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Historical Background Basics of Quantum Mechanics Getting Started with QDK and Q# Quantum Computing Entanglement Quantum Key Distribution Algorithms Where to go next?
Sommario/riassunto	This book introduces the fundamentals of the theory of quantum computing, illustrated with code samples written in Q#, a quantum-specific programming language, and its related Quantum Development Kit. Quantum computing (QC) is a multidisciplinary field that sits at the intersection of quantum physics, quantum information theory, computer science and mathematics, and which may revolutionize the world of computing and software engineering.