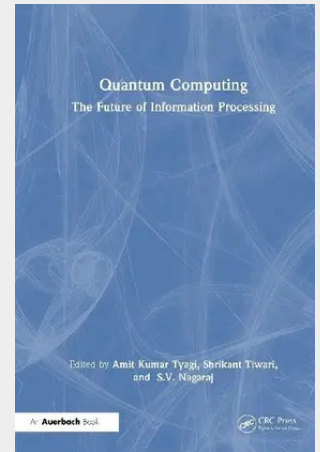


Quantum Computing

The Future of Information Processing

Quantum computing and algorithms are set to revolutionize information processing. Covering such topics, Quantum Computing: The Future of Information Processing explains its principles, practical applications, and future implications in a clear and accessible manner. The book strives to simplify the essential concepts and practical applications of quantum computing. Its aim is to help students and researchers to apply quantum computing to advance AI and machine learning, cybersecurity, and blockchain. With its emphasis on practical applications, the book covers how quantum computing is changing such fields as: - Finance - Medicine - Built environment - Networking and communications. With extensive real-world case studies and practical implementation guidance, the book is a guide for those seeking to understand how quantum computing is applied in various industries. Its in-depth exploration of quantum computing covers both foundational principles and advanced applications in a single resource, saving readers the need to purchase multiple books. Finally, the book focuses on the future of information processing so that students and researchers can anticipate and prepare for the transformative impact of quantum computing.

Quantum computing is at the forefront of technological innovation. This book explains its principles, practical applications, and future implications in a clear and accessible manner. It takes readers on a journey from the fundamental principles of quantum mechanics to practical applications.



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Lieferfrist: bis zu 10 Tage

Artikelnummer: 9781032802589

Medium: Buch

ISBN: 978-1-032-80258-9

Verlag: Auerbach Publications

Erscheinungstermin: 17.04.2025

Sprache(n): Englisch

Auflage: 1. Auflage 2025

Produktform: Gebunden

Gewicht: 850 g

Seiten: 347

Format (B x H): 183 x 260 mm

