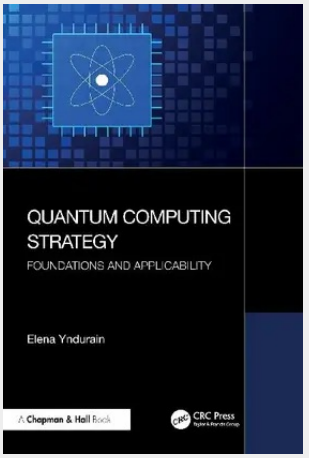
Yndurain

Quantum Computing Strategy

Foundations and Applicability



Quantum computing is not merely an incremental advancement in computing technology; it represents a fundamentally new paradigm, distinct from classical computing. Rooted in quantum mechanics, it introduces an entirely novel information theory. As a result, translating existing models, solution designs, and approaches to quantum computing is a complex, non-trivial task. This comprehensive book demystifies quantum concepts through accessible explanations, practical case studies, and real-world examples from industries such as aerospace, agriculture, automotive, chemicals, energy, finance, government, healthcare, manufacturing, supply chain, and telecommunications. Blending a business perspective with a scientific rigor, this book is divided into two parts. The first part covers foundational technical concepts, including quantum mechanics principles that enable quantum technologies, key quantum algorithms, mathematical frameworks, quantum computing technologies, post-quantum cryptography, the types of problems quantum computers solve, and the technology's outlook. The second part focuses on practical applicability, presenting industry use cases, guidance on approaching quantum computing problems, mapping use cases to quantum computing, responsible quantum computing practices, and a roadmap for businesses preparing for quantum adoption. This structured approach equips readers with the knowledge and tools to effectively integrate quantum computing into their strategic planning. Quantum Computing Strategy: Foundations and Applicability serves as an essential reference for technology enthusiasts, business leaders, policymakers, and educators seeking to understand the benefits quantum computing offers enterprises. Designed as a self-contained learning resource, it empowers readers to navigate the emerging quantum landscape confidently.

Quantum Computing Strategy: Foundations and Applicability is an essential reference for technology enthusiasts, business leaders, policymakers, and educators seeking to understand the benefit quantum computing brings for enterprises. It is designed to be a self-contained learning resource.

58,20 €
58,20 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9781032275826
Medium: Buch
ISBN: 978-1-032-27582-6
Verlag: Chapman and Hall/CRC
Erscheinungstermin: 16.03.2025
Sprache(n): Englisch
Auflage: 1. Auflage 2025
Produktform: Kartoniert
Gewicht: 368 g
Seiten: 236
Format (B x H): 156 x 234 mm

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)