

1. Record Nr.	UNISA996418170803316
Autore	Bera Rajendra K
Titolo	The Amazing World of Quantum Computing [[electronic resource] /] / by Rajendra K. Bera
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-2471-8
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XVII, 265 p. 28 illus., 7 illus. in color.)
Collana	Undergraduate Lecture Notes in Physics, , 2192-4791
Disciplina	006.3843
Soggetti	Quantum computers Algorithms Mechanics Quantum physics Quantum field theory String theory Fourier analysis Quantum Computing Classical Mechanics Quantum Physics Quantum Field Theories, String Theory Fourier Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Quantum Cryptography & Quantum Teleportation -- 2. A Quick Comparison of Quantum & Classical Mechanics -- 3. The Birth and Coming of Age of Quantum Mechanics -- 4. Laws of Quantum Mechanics -- 5. Weirdness of Quantum Mechanics -- 6. Mathematical Elements Needed to Compute -- 7. Some Mathematical Consequences of the Postulates -- 8. Waves and Fourier Analysis -- 9. Getting the Hang of Measurement -- 10. Quantum Gates -- 11. Unusual Solutions of Usual Problems -- 12. Fundamental Limits to Computing -- 13. The Crown Jewels among Quantum Algorithms -- 14. Quantum Error Corrections -- 15. Time-Multiplexed Interpretation of Measurement -- 16. Quantum Computing and Social Responsibility.

Sommario/riassunto

This book discusses the application of quantum mechanics to computing. It explains the fundamental concepts of quantum mechanics and then goes on to discuss various elements of mathematics required for quantum computing. Quantum cryptography, waves and Fourier analysis, measuring quantum systems, comparison to classical mechanics, quantum gates, and important algorithms in quantum computing are among the topics covered. The book offers a valuable resource for graduate and senior undergraduate students in STEM (science, technology, engineering, and mathematics) fields with an interest in designing quantum algorithms. Readers are expected to have a firm grasp of linear algebra and some familiarity with Fourier analysis. .

2. Record Nr.	UNISA996383559603316
Autore	Fowler Edward <1632-1714.>
Titolo	A catechism containing the substance of the Christian religion in the words and phrases of scripture [[electronic resource]]
Pubbl/distr/stampa	London, : printed by J. Grover, and are to be sold by S. Crouch in Popes-head-Alley, next Cornhill, 1676
Descrizione fisica	22 [i.e. 32] p
Soggetti	Catechisms, English Christian literature
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	By Edward Fowler. Page 32 misnumbered 22. Identified as Wing C1468B, reel 2329, of the UMI microfilm set "Early English books, 1641-1700". All after p. 24 mutilated in copy from Early English books reel 2329. Reproduction of original in Dr. Williams' Library, London, England. Identified by ESTC as Wing (CD-ROM, 1996) F1695A.
