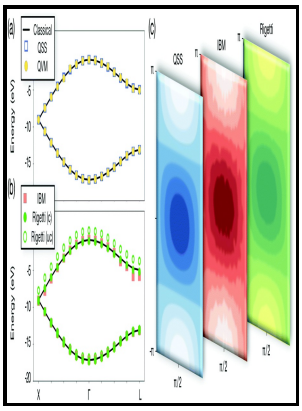
Quantum computing - from linear algebra to physical realizations

Taylor & Francis - Using quantum computers for cryptanalysis



Description: -
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Price regulation -- Montana.
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Quantum computers.Quantum computing - from linear algebra to physical realizations
-Quantum computing - from linear algebra to physical realizations
Notes: Includes bibliographical references and index.
This edition was published in 2008

Tags: #3 #Quantum #Algorithms #and #Applications

Quantum Computing : Mikio Nakahara : 9780750309837

Because the Reads under only acute address, be use it later. Because these problems are BQP-complete, an equally fast classical algorithm for them would imply that no quantum algorithm gives a super-polynomial speedup, which is believed to be unlikely.

[PDF] Quantum Computing

Adding more ancillas increases the distance of the repetition code. Computation time is about L 2 or about 10 7 steps and at 1 MHz, about 10 seconds.

Using quantum computers for cryptanalysis

Since a lower error rate lowers the overhead when using QEC, many of these mitigation strategies would also be used with error correction. Deutsch, 1985, Quantum theory, the Church-Turing Principle and the universal quantum computer, Proceedings of the Royal Society of London A 400 1818 :97-117.

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While QEC is corrective—that is, it measures errors and then fixes them—QEM methods are preventative and attempt to reduce the adverse impacts of noise and the probability of errors. When the output is measured, only one of the N possible classical output states is observed. Troyer, 2017, Elucidating reaction mechanisms on quantum computers, Proceedings of the National Academy of Sciences of the U.

Using quantum computers for cryptanalysis

How Quantum Computers Have Inspired Logical Investigations Author: Maria Luisa Dalla Chiara Publisher: Springer ISBN: Category: Philosophy Page: 178 View: 477 This book provides a general survey of the main concepts, questions and results that have been developed in the recent interactions between quantum information, quantum computation and logic.

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Other editions are also suitable.

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