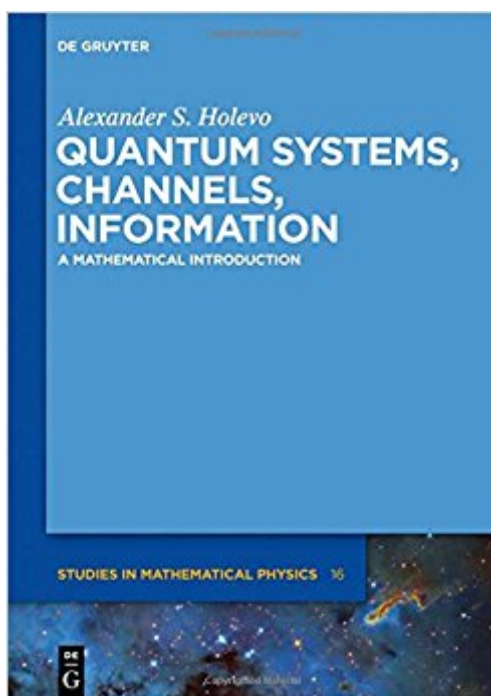


The book was found

Quantum Systems, Channels, Information (de Gruyter Studies In Mathematical Physics)



Synopsis

The main emphasis of this work is the mathematical theory of quantum channels and their entropic and information characteristics. Quantum information theory is one of the key research areas, since it leads the way to vastly increased computing speeds by using quantum systems to store and process information. Quantum cryptography allows for secure communication of classified information. Research in the field of quantum informatics, including quantum information theory, is in progress in leading scientific centers throughout the world. The past years were marked with impressive progress made by several researchers in solution of some difficult problems, in particular, the additivity of the entropy characteristics of quantum channels. This suggests a need for a book that not only introduces the basic concepts of quantum information theory, but also presents in detail some of the latest achievements.

Book Information

Series: de Gruyter Studies in Mathematical Physics (Book 16)

Hardcover: 349 pages

Publisher: de Gruyter (November 1, 2012)

Language: English

ISBN-10: 311027325X

ISBN-13: 978-3110273250

Product Dimensions: 6.9 x 0.9 x 9.7 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #2,747,481 in Books (See Top 100 in Books) #64 in Books > Science & Math > Physics > Entropy #2000 in Books > Science & Math > Physics > Mathematical Physics #2176 in Books > Science & Math > Physics > Quantum Theory

Customer Reviews

Alexander S. Holevo, Steklov Mathematical Institute, Moscow, Russia.

This is a wonderful book. While written by a mathematician, it uses a language adapted to the needs of a layman physicist. Offers a comprehensive introduction; so the first chapters can be used as a textbook. Then introduces pretty advanced methods that have appeared in journal papers but have never been presented in books so far.

[Download to continue reading...](#)

Quantum Systems, Channels, Information (de Gruyter Studies in Mathematical Physics) Advanced Molecular Quantum Mechanics: An Introduction to Relativistic Quantum Mechanics and the Quantum Theory of Radiation (Studies in Chemical Physics) Fundamentals Of Information Systems Security (Information Systems Security & Assurance) - Standalone book (Jones & Bartlett Learning Information Systems Security & Assurance) Distribution Channels: Understanding and Managing Channels to Market Dynamics, Information and Complexity in Quantum Systems (Theoretical and Mathematical Physics) Covariant Loop Quantum Gravity: An Elementary Introduction to Quantum Gravity and Spinfoam Theory (Cambridge Monographs on Mathematical Physics) Recent Advances in the Theory of Chemical and Physical Systems: Proceedings of the 9th European Workshop on Quantum Systems in Chemistry and Physics ... in Theoretical Chemistry and Physics) Quantum Thermodynamics: Emergence of Thermodynamic Behavior Within Composite Quantum Systems (Lecture Notes in Physics) Quantum Field Theory in Strongly Correlated Electronic Systems (Theoretical and Mathematical Physics) Information Dynamics and Open Systems: Classical and Quantum Approach (Fundamental Theories of Physics) Quantum Electrodynamics: Gribov Lectures on Theoretical Physics (Cambridge Monographs on Particle Physics, Nuclear Physics and Cosmology) Quantum Runes: How to Create Your Perfect Reality Using Quantum Physics and Teutonic Rune Magic (Creating Magick with The Universal Laws of Attraction Book 1) The Quantum Mechanics Solver: How to Apply Quantum Theory to Modern Physics M: Information Systems (Irwin Management Information Systems) Looking for Information: A Survey of Research on Information Seeking, Needs, and Behavior: 4th Edition (Studies in Information) Looking for Information: A Survey of Research on Information Seeking, Needs, and Behavior (Studies in Information) Quantum Mathematical Physics Quantum Field Theory and Condensed Matter: An Introduction (Cambridge Monographs on Mathematical Physics) Ultracold Quantum Fields (Theoretical and Mathematical Physics) Applied Functional Analysis: Applications to Mathematical Physics (Applied Mathematical Sciences) (v. 108)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)