1. Record Nr.   UNINA9910783724603321

Titolo   Asymptotic theory of quantum statistical inference [[electronic resource]] : selected papers / / edited by Masahito Hayashi

Pubbl/distr/stampa   Hackensack, NJ, : World Scientific, c2005

ISBN   1-281-87671-2
9786611876715
981-256-307-5

Descrizione fisica   1 online resource (553 p.)

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Disciplina   530.12

Soggetti   Quantum theory
Mathematical statistics - Asymptotic theory
Probabilities

Lingua di pubblicazione   Inglese

Formato   Materiale a stampa

Livello bibliografico   Monografia

Note generali   Description based upon print version of record.

Nota di bibliografia   Includes bibliographical references and index.

Nota di contenuto   Preface; Contents; First Appearance; List of Contributors; Introduction to Quantum Statistical Inference; Part 1 - Hypothesis Testing; Part II - Quantum Cram er-Rao Bound in Mixed States Model; Part III - Quantum Cram er-Rao Bound in Pure States Model; Part IV - Group Symmetric Approach to Pure States Model; Part V - Large Deviation Theory in Quantum Estimation; Part IV - Further Topics on Quantum Statistical Inference; Index

Sommario/riassunto   Quantum statistical inference, a research field with deep roots in the foundations of both quantum physics and mathematical statistics, has made remarkable progress since 1990. In particular, its asymptotic theory has been developed during this period. However, there has hitherto been no book covering this remarkable progress after 1990; the famous textbooks by Holevo and Helstrom deal only with research results in the earlier stage (1960s-1970s). This book presents the important and recent results of quantum statistical inference. It focuses on the asymptotic theory, which is one of the centr