

1. Record Nr.	UNINA9910820325603321
Titolo	Topics in the theory of Schrodinger operators // edited by Huzihiro Araki, Hiroshi Ezawa
Pubbl/distr/stampa	New Jersey, : World Scientific, c2004
ISBN	1-281-87244-X 9786611872441 981-256-247-8 981-238-798-6
Edizione	[1st ed.]
Descrizione fisica	1 online resource (288 p.)
Classificazione	33.23
Altri autori (Persone)	ArakiHuzihiro <1932-> EzawaHiroshi <1932->
Disciplina	515.7242
Soggetti	Schrodinger operator Quantum theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographic references (p. 265-272) and index.
Nota di contenuto	Preliminaries; Preface; CONTENTS; CHAPTER 1 INTRODUCTION H . Araki; CHAPTER 2 TIME-PERIODIC SCHRODINGER EQUATIONS K. Yajima; CHAPTER 3 AN APPLICATION OF PHASE SPACE TUNNELING TO MULTISTATE SCATTERING THEORY; CHAPTER 4 INVERSE SPECTRAL THEORY H. Isozaki; CHAPTER 5 ANALYSIS OF GROUND STATES OF ATOMS INTERACTING WITH A QUANTIZED RADIATION FIELD F. Hiroshima; Index
Sommario/riassunto	This invaluable book presents reviews of some recent topics in the theory of Schrodinger operators. It includes a short introduction to the subject, a survey of the theory of the Schrodinger equation when the potential depends on the time periodically, an introduction to the so-called FBI transformation (also known as coherent state expansion)with application to the semi-classical limit of the S-matrix, an overview of inverse spectral and scattering problems, and a study of the ground state of the Pauli-Fierz model with the use of thefunctional integral. The material is accessible to graduate studen