1. Record Nr. UNINA9910711389603321

Autore	Hsia J. J
Titolo	Optical radiation measurements : The translucent blurring effect--method of evaluation and estimation / / Jack J. Hsia
Pubbl/distr/stampa	Gaithersburg, MD : , : U.S. Dept. of Commerce, National Institute of Standards and Technology, , 1976
Descrizione fisica	1 online resource
Collana	NBS technical note ; ; 594-12
Altri autori (Persone)	HsiaJ. J
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	1976. Contributed record: Metadata reviewed, not verified. Some fields updated by batch processes. Title from PDF title page.
Nota di bibliografia	Includes bibliographical references.

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Autore	Pang Xiao-Feng <1945->
Titolo	Quantum mechanics in nonlinear systems [[electronic resource] /] / Pang Xiao-Feng, Feng Yuan-Ping
Pubbl/distr/stampa	Hackensack, NJ, : World Scientific, c2005
ISBN	1-281-37253-6 9786611372538 981-256-778-X
Descrizione fisica	1 online resource (644 p.)
Altri autori (Persone)	FengYuan-Ping
Disciplina	530.15/5252
Soggetti	Nonlinear theories 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 bibliographical references and index.
Nota di contenuto	Preface; Contents; Chapter 1 Linear Quantum Mechanics: Its Successes and Problems; Chapter 2 Macroscopic Quantum Effects and Motions of Quasi-Particles; Chapter 3 The Fundamental Principles and Theories of Nonlinear Quantum Mechanics; Chapter 4 Wave-Corpuscle Duality of Microscopic Particles in Nonlinear Quantum Mechanics; Chapter 5 Nonlinear Interaction and Localization of Particles; Chapter 6 Nonlinear versus Linear Quantum Mechanics; Chapter 7 Problem Solving in Nonlinear Quantum Mechanics; Chapter 8 Microscopic Particles in Different Nonlinear Systems Chapter 9 Nonlinear Quantum-Mechanical Properties of Excitons and PhononsChapter 10 Properties of Nonlinear Excitations and Motions of Protons, Polarons and Magnons in Different Systems; Index
Sommario/riassunto	In the history of physics and science, quantum mechanics has served as the foundation of modern science. This book discusses the properties of microscopic particles in nonlinear systems, principles of the nonlinear quantum mechanical theory, and its applications in condensed matter, polymers and biological systems.The book is essentially composed of three parts. The first part presents a review of linear quantum mechanics, as well as theoretical and experimental fundamentals that establish the nonlinear quantum mechanical theory.

The theory itself and its essential features are covered