

1. Record Nr.	UNINA9911020472203321
Titolo	Multidimensional quantum dynamics : MCTDH theory and applications / / edited by Hans-Dieter Meyer, Fabien Gatti, Graham A. Worth
Pubbl/distr/stampa	Weinheim, : Wiley-VCH Chichester, 2009
ISBN	9786612139895 9781282139893 1282139894 9783527627400 3527627405 9783527627417 3527627413
Descrizione fisica	1 online resource (445 p.)
Altri autori (Persone)	GattiFabien MeyerHans-Dieter <1947-> WorthGraham
Disciplina	530.12015181
Soggetti	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	Multidimensional Quantum Dynamics; Contents; Preface; List of Contributors; List of Symbols; 1 Introduction; Part 1 Theory; 2 The Road to MCTDH; 2.1 The Standard Method; 2.2 Time-Dependent Hartree; 3 Basic MCTDH Theory; 3.1 Wavefunction Ansatz and Equations of Motion; 3.2 The Constraint Operator; 3.3 Efficiency and Memory Requirements; 3.4 Multistate Calculations; 3.5 Parametrized Basis Functions: G-MCTDH; 4 Integration Schemes; 4.1 The Variable Mean-Field (VMF) Integration Scheme; 4.2 A Simple Constant Mean-Field (CMF) Integration Scheme; 4.3 Why CMF Works; 4.4 Second-Order CMF Scheme 5 Preparation of the Initial Wavepacket5.1 Initial Wavepacket as Hartree Product; 5.2 Eigenstates and Operated Wavefunctions; 6 Analysis of the Propagated Wavepacket; 6.1 Runtime Analysis of Accuracy; 6.2 Spectra; 6.2.1 Photoabsorption Spectra; 6.2.2 Eigenvalues and Filter

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## Sommario/riassunto

The first book dedicated to this new and powerful computational method begins with a comprehensive description of MCTDH and its theoretical background. There then follows a discussion of recent extensions of MCTDH, such as the treatment of identical particles, leading to the MCTDHF and MCTDHB methods for fermions and bosons. The third section presents a wide spectrum of very different applications to reflect the large diversity of problems that can be tackled by MCTDH. The result is handbook and ready reference for theoretical chemists, physicists, chemists, graduate students, lecturers and

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