

1. Record Nr.	UNINA9910464663903321
Autore	Stefanucci Gianluca <1973->
Titolo	Nonequilibrium many-body theory of quantum systems : a modern introduction // Gianluca Stefanucci, University of Rome Tor Vergata, Italy, Robert van Leeuwen, University of Jyvaskyla, Finland [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2013
ISBN	1-107-23333-X 1-139-02397-7 1-107-34864-1 1-107-34745-9 1-107-34370-4 1-107-34495-6 1-299-74942-9 1-107-34120-5
Descrizione fisica	1 online resource (xvii, 600 pages) : digital, PDF file(s)
Disciplina	530.1/5353
Soggetti	Green's functions Many-body problem Quantum theory - Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Machine generated contents note: Preface; 1. Second quantization; 2. Getting familiar with second quantization: model Hamiltonians; 3. Time-dependent problems and equations of motion; 4. The contour idea; 5. Many-particle Green's functions; 6. One-particle Green's function; 7. Mean field approximations; 8. Conserving approximations: two-particle Green's function; 9. Conserving approximations: self-energy; 10. MBPT for the Green's function; 11. MBPT and variational principles for the grand potential; 12. MBPT for the two-particle Green's function; 13. Applications of MBPT to equilibrium problems; 14. Linear response theory: preliminaries; 15. Linear response theory: many-body formulation; 16. Applications of MBPT to nonequilibrium problems;

Appendices; Index.

Sommario/riassunto

The Green's function method is one of the most powerful and versatile formalisms in physics, and its nonequilibrium version has proved invaluable in many research fields. This book provides a unique, self-contained introduction to nonequilibrium many-body theory. Starting with basic quantum mechanics, the authors introduce the equilibrium and nonequilibrium Green's function formalisms within a unified framework called the contour formalism. The physical content of the contour Green's functions and the diagrammatic expansions are explained with a focus on the time-dependent aspect. Every result is derived step-by-step, critically discussed and then applied to different physical systems, ranging from molecules and nanostructures to metals and insulators. With an abundance of illustrative examples, this accessible book is ideal for graduate students and researchers who are interested in excited state properties of matter and nonequilibrium physics.

2. Record Nr.

UNISALENTO991001282279707536

Titolo

Age discrimination and diversity : multiple discrimination from an age perspective / [edited by] Malcolm Sargeant

Pubbl/distr/stampa

Cambridge ; New York : Cambridge University Press, 2011

ISBN

9781107003774

Descrizione fisica

p. cm.

Altri autori (Persone)

Sargeant, Malcolm

Disciplina

305.2608

Soggetti

Discriminazione in base all'età
Popolazione anziana

Lingua di pubblicazione

Inglese

Formato

Materiale a stampa

Livello bibliografico

Monografia