1. Record Nr. UNIPARTHENOPE000002899

Autore	Papandreou, Andreas G.
Titolo	A strategy for greek economic development / by Andreas G. Papandreou
Pubbl/distr/stampa	Athens : Contos press, 1962c
Descrizione fisica	179 p. ; 21 cm
Collana	Research monograph series ; 0001
Disciplina	338.495
Collocazione	330.1916/106
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	In testa al front.: Center of economic research

2. Record Nr. UNINA9910779883503321

Titolo	Complex quantum systems : analysis of large coulomb systems / / editor, Heinz Siedentop, Ludwig-Maximilians-Universitat, Munchen, Germany
Pubbl/distr/stampa	[Hackensack], NJ, : World Scientific, c2013 New Jersey : , : World Scientific, , [2013] 2013
ISBN	981-4460-15-X
Descrizione fisica	1 online resource (xi, 290 pages) : illustrations
Collana	Lecture notes series, , 1793-0758 ; ; v. 24
Disciplina	530.12
Soggetti	Quantum electrodynamics - Mathematics Quantum theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di contenuto

CONTENTS; Foreword; Preface; Stability of Matter Rafael D. Benguria and Benjamn A. Loewe; 1. Introduction: The stability of quantum systems: A historical overview; 2. Stability of Matter: The classical proof of Lieb and Thirring; 2.1. Stability of the hydrogen atom in non-relativistic quantum mechanics; 2.2. Stability of a system of N electrons in non-relativistic quantum mechanics; 2.3. Stability of a many particle system via Thomas-Fermi theory; 2.4. Bibliographical remarks; 3. Lieb-Thirring Inequalities
3.1. Use of commutation methods to prove the Lieb-Thirring inequality for = 3/2 in dimension 13.2. The Eden-Foias bound ([46]); 3.3. Bibliographical remarks; 4. Electrostatic Inequalities; 5. The Maximum Number of Electrons an Atom Can Bind; 5.1. The maximum number of electrons for a one center case in the Thomas-Fermi model; 5.2. Bound on Nc(Z) for the TFW model in the atomic case; 6. The Stability of Matter for a Relativistic Toy Model; 6.1. Bibliographical remarks; 7. A New Lieb-Oxford Bound with Gradient Corrections; Acknowledgments; Appendix: A Short History of the Atom; References
Mathematical Density and Density Matrix Functional Theory (DFT and DMFT) Volker Bach1. Introduction; 2. Exchange Correlation and LDA; 3. Kinetic Energy and Lieb-Thirring Inequality; 4. Thomas-Fermi Theory and Stability of Matter; 5. Hartree-Fock Theory; 6. Correlation Estimate Improving the Lieb-Oxford Inequality; 7. Accuracy of the Hartree-Fock Approximation for Large Neutral Atoms; 8. N-Representability; Acknowledgments; References; On the Dynamics of a Fermi Gas in a Random Medium with Dynamical Hartree-Fock Interactions Thomas Chen; 1. Introduction; Acknowledgment
ReferencesOn the Minimization of Hamiltonians over Pure Gaussian States Jan Derezinski, Marcin Napiorkowski, and Jan Philip Solovej; 1. Introduction; Acknowledgments; 2. Preliminaries; 2.1. 2nd quantization; 2.2. Wick quantization; 2.3. Bogoliubov transformations; 2.4. Pure Gaussian states; 3. Main Result; References; Variational Approach to Electronic Structure Calculations on Second-Order Reduced Density Matrices and the N-Representability Problem Maho Nakata, Mituhiro Fukuda, and Katsuki Fujisawa; 1. Introduction; 2. The Reduced-Density-Matrix Method; 2.1. Pure states and ensemble states 2.2. The first-order and second-order reduced density matrices

Sommario/riassunto

This volume is based on lectures given during the program Complex Quantum Systems held at the National University of Singapore's Institute for Mathematical Sciences from 17 February to 27 March 2010. It guides the reader through two introductory expositions on large Coulomb systems to five of the most important developments in the field: derivation of mean field equations, derivation of effective Hamiltonians, alternative high precision methods in quantum chemistry, modern many body methods originating from quantum information, and - the most complex - semirelativistic quantum electrodynamics.

3. Record Nr. UNINA9910300194803321

Titolo	Cardiovascular OCT Imaging / / edited by Ik-Kyung Jang
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-10801-8
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (225 p.)
Disciplina	616.0757 617.4/12
Soggetti	Radiology Cardiology Diagnostic Radiology
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	History of OCT -- Physics of OCT -- Histology validation of OCT images -- Characterization of coronary plaques -- Basic interpretation skill -- Early stent evaluation -- Late stent changes -- Bioabsorbable stent -- Stent thrombosis -- Neoatherosclerosis -- Consensus document -- Future development. .
Sommario/riassunto	This book is a detailed review of optical coherence tomography (OCT) in cardiovascular practice. OCT enables cross-sectional and volumetric imaging of internal structure and pathology in biological tissues, thus performing an “optical biopsy”, imaging pathology in situ and in real time without the need for excisional biopsy. OCT imaging has become a standard of care in ophthalmology and is an emerging imaging modality in cardiology, where it provides information that often cannot be obtained by any other means. This book provides readers who are not familiar with image interpretation and don’t have enough background/knowledge with information on its clinical use and potential. Cardiovascular OCT Imaging is designed for busy interventional cardiologists and cardiologists to quickly become familiar with this emerging technology so that they can take advantage of its power to improve patient care and outcome. It will therefore be of great interest to all involved in interventional cardiology from trainees

to practicing physicians and technologists.