1. Record Nr. UNINA9910782387203321

Titolo	150 years of quantum many-body theory [[electronic resource]] : a festschrift in honour of the 65th birthdays of John W. Clark, Alpo J. Kallio, Manfred L. Rising, Sergio Rosati : UMIST, Manchester, UK, July 10-14, 2000 / / editors, Raymond F. Bishop, Klaus A. Gernoth, Niels R. Walet
Pubbl/distr/stampa	Singapore ; ; River Edge, NJ, : World Scientific, c2001
ISBN	1-281-95133-1 9786611951337 981-279-976-1
Descrizione fisica	1 online resource (359 p.)
Collana	Series on advances in quantum many-body theory ; ; v. 5
Altri autori (Persone)	BishopR. F (Raymond F.) GernothKlaus A WaletNiels R
Disciplina	530.144
Soggetti	Many-body problem Physics
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 indexes.
Nota di contenuto	CONTENTS; Series Editorial Board and Other Committees; Foreword by the Editors; Scientific CVs of the Honorees; John Walter Clark; Alpo J. Kallio; Manfred Ristig; Sergio Rosati; A Historical Perspective; The Music of the QMBT Quartet; Formal Aspects of Many-Body Theory; Diagrams are Theoretical Physicist's Best Friends; Fourth Order Algorithms for Solving Diverse Many-Body Problems; Relativistic Quantum Dynamics of Many-Body Systems; Elastic N-body to N-body Scattering in the Hyperspherical Representation; A Generic Way to Look at Many-Body Theory; A Variational Coupled-Cluster Theory Nuclear and Subnuclear Physics The Nuclear Equation of State and Neutron Star Structure; To Dress or Not to Dress; Fermi Hypernetted Chain Equations and Nuclear Many-Body Physics; Nuclear Matter with the Auxiliary Field Diffusion Monte Carlo Method; Three-Body Force Effects in Few-Nucleon Systems; Correlations in Nuclear Matter with Two-Time Green's Functions; Weak Proton Capture on 3 He and the

Solar Neutrino Problem; Generalized Momentum Distribution of Infinite and Finite Nucleon Systems; The Translationally Invariant Coupled Cluster Method with Applications to Nuclear Systems
Mean Field Approach to Quark Matter in the NJL Model Effective Field Theory in Nuclear Many-Body Physics; Hyperspherical Methods for A > 4 Systems; Spin Systems; Ab initio Calculations of the Spin-Half XY Model; Quantum Antiferromagnets with Easy-Plane Anisotropy; Quantum Phase Transitions in Spin Systems; Quantum Fluids and Solids; Bose Condensation; Path Integral Monte Carlo Calculations of Symmetry-Breaking in Structural Phase Transitions; The Description of Strongly Interacting Systems Based on Jastrow Correlations and Configuration Interaction
The Many-Boson System in One-Dimension: Application to 4 He The Ground State of Trapped Bosons Beyond the Gross-Pitaevskii Approximation; Pairing of Impurities in Quantum Fluids; Strongly Correlated Electrons; Spin Polarizations of Quantum Hall States; Electronic Molecules in Condensed Matter; The Metal-Insulator Transition in 2D and New Phases of Quantum Localisation; Related Subjects; Information Representation in the Multi-Layer Perceptron; Classical and Quantum Lyapunov Exponents in the Phase-Space Tomographic Approach; Author Index; Subject Index

Sommario/riassunto

In July 2000 a conference was held to honour the 65th birthdays of four of the leading international figures in the field of quantum many-body theory. The joint research careers of John Clark, Alpo Kallio, Manfred Ristig and Sergio Rosati total some 150 years, and this festschrift celebrated their achievements. These cover a remarkably wide spectrum. The topics in this book reflect that diversity, ranging from formal aspects to real systems, including nuclear and subnuclear systems, quantum fluids and solids, quantum spin systems and strongly correlated electron systems. The book collects more

2. Record Nr. UNINA9910299693303321

Autore	Yu Gang
Titolo	Human action analysis with randomized trees / / by Gang Yu, Junsong Yuan, Zicheng Liu
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2015
ISBN	981-287-167-5
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (90 p.)
Collana	SpringerBriefs in Signal Processing, , 2196-4076
Disciplina	150.721
Soggetti	Signal processing Image processing Speech processing systems Optical data processing Probabilities Signal, Image and Speech Processing Image Processing and Computer Vision Probability Theory and Stochastic Processes
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.
Nota di contenuto	Introduction to Human Action Analysis -- Supervised Trees for Human Action Recognition and Detection -- Unsupervised Trees for Human Action Search -- Propagative Hough Voting to Leverage Contextual Information -- Human Action Prediction with Multi-class Balanced Random Forest -- Conclusion.
Sommario/riassunto	This book will provide a comprehensive overview on human action analysis with randomized trees. It will cover both the supervised random trees and the unsupervised random trees. When there are sufficient amount of labeled data available, supervised random trees provides a fast method for space-time interest point matching. When labeled data is minimal as in the case of example-based action search, unsupervised random trees is used to leverage the unlabelled data. We describe how the randomized trees can be used for action classification, action detection, action search, and action prediction. We will also describe techniques for space-time action localization including branch-and-bound sub-volume search and propagative

Hough voting.