

1. Record Nr.	UNINA9910830582903321
Titolo	Advances in chemical physics . Volume 160 // edited by Stuart A. Rice, Aaron R. Dinner
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley, , 2016 ©2016
ISBN	1-119-16517-2 1-119-16516-4
Descrizione fisica	1 online resource (437 p.)
Collana	Advances in Chemical Physics
Disciplina	541
Soggetti	Chemistry, Physical and theoretical
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	TITLE PAGE; TABLE OF CONTENTS; EDITORIAL BOARD; CONTRIBUTORS LIST; PREFACE TO THE SERIES; THERMODYNAMIC PERTURBATION THEORY FOR ASSOCIATING MOLECULES; I. INTRODUCTION; II. A BRIEF INTRODUCTION TO CLUSTER EXPANSIONS; III. SINGLE ASSOCIATION SITE: BOND RENORMALIZATION; IV. SINGLE ASSOCIATION SITE: TWO-DENSITY APPROACH; V. MULTIPLE ASSOCIATION SITES: MULTI-DENSITY APPROACH; VI. THE TWO-SITE AB CASE; VII. SPHERICALLY SYMMETRIC AND DIRECTIONAL ASSOCIATION SITES; VIII. DENSITY FUNCTIONAL THEORY; IX. CONCLUDING REMARKS; ACKNOWLEDGMENTS; REFERENCES PATH INTEGRALS AND EFFECTIVE POTENTIALS IN THE STUDY OF MONATOMIC FLUIDS AT EQUILIBRIUM. I. INTRODUCTION; II. THE PI APPROACH; III. SEMICLASSICAL APPROACHES; IV. STRUCTURAL PROPERTIES; V. THERMODYNAMIC PROPERTIES; VI. FLUID SYSTEMS; VII. CONCLUDING REMARKS; REFERENCES; SPONTANEOUS SYMMETRY BREAKING IN MATTER INDUCED BY DEGENERACIES AND PSEUDODEGENERACIES; I. INTRODUCTION. SYMMETRY BREAKING AND SPONTANEOUS SYMMETRY BREAKING (SSB); II. DEFINITION OF SSB IN ATOMIC SYSTEMS AND MEANS OF ITS OBSERVATION; III. MECHANISMS OF SSB INDUCED BY DEGENERACY AND PSEUDODEGENERACY IN POLYATOMIC SYSTEMS IV. THEOREM: DEGENERACY AND PSEUDODEGENERACY ARE THE ONLY

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VII. LOCALLY TRIGGERED SSB INDUCING SOLID-STATE PHASE TRANSITIONS;
VIII. SSB IN ELEMENTARY PARTICLE PHYSICS AS RELATED TO DEGENERACIES;
IX. GENERALIZATION: NATURE TENDS TO AVOID DEGENERACIES BY MEANS OF SSB;
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