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EQUATION; CHAPTER 9 PURIFICATION OF CORRELATED REDUCED DENSITY MATRICES: REVIEW AND APPLICATIONS; CHAPTER 10 CUMULANTS, EXTENSIVITY, AND THE CONNECTED FORMULATION OF THE CONTRACTED SCHRODINGER EQUATION; CHAPTER 11 GENERALIZED NORMAL ORDERING, IRREDUCIBLE BRILLOUIN CONDITIONS, AND CONTRACTED SCHRODINGER EQUATIONS; CHAPTER 12 ANTI-HERMITIAN FORMULATION OF THE CONTRACTED SCHRODINGER THEORY; CHAPTER 13 CANONICAL TRANSFORMATION THEORY FOR DYNAMIC CORRELATIONS IN MULTIREFERENCE PROBLEMS; Part IV CHAPTER 14 NATURAL ORBITAL FUNCTIONAL THEORYCHAPTER 15 GEMINAL FUNCTIONAL THEORY; CHAPTER 16 LINEAR INEQUALITIES FOR DIAGONAL ELEMENTS OF DENSITY MATRICES; Part V; CHAPTER 17 PARAMETERIZATION OF THE 2-RDM; CHAPTER 18 ENTANGLEMENT, ELECTRON CORRELATION, AND DENSITY MATRICES; AUTHOR INDEX; SUBJECT INDEX

Sommario/riassunto

An up-to-date account of this cutting-edge research in a consistent and understandable framework, of special interest to experts in other areas of electronic structure and/or quantum many-body theory. It will serve equally well as a self-contained guide to learning about reduced density matrices either through self-study or in a classroom as well as an invaluable resource for understanding the critical advancements in the field.
