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Nota di contenuto	Density Functionals for Non-relativistic Coulomb Systems in the New Century -- Orbital-Dependent Functionals for the Exchange-Correlation Energy: A Third Generation of Density Functionals -- Relativistic Density Functional Theory -- Time-Dependent Density Functional Theory -- Density Functional Theories and Self-energy Approaches -- A Tutorial on Density Functional Theory.
Sommario/riassunto	Density functional theory (DFT) is by now a well-established method for tackling the quantum mechanics of many-body systems. Originally applied to compute properties of atoms and simple molecules, DFT has quickly become a work horse for more complex applications in the chemical and materials sciences. The present set of lectures, spanning

the whole range from basic principles to relativistic and time-dependent extensions of the theory, is the ideal introduction for graduate students or nonspecialist researchers wishing to familiarize themselves with both the basic and most advanced techniques in this field.

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