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Sommario/riassunto	This book reports on the derivation, implementation and application of two-component methods in the framework of time-dependent density functional theory. These methods allow the calculation of electronic transitions as well as the calculation of the correlation contribution to the electronic ground-state energy (RPA) and to the orbital energies (GW) including spin-orbit coupling. The focus of the applications is put on organic light-emitting diodes and clusters of heavy metals.