Recent Progress in Orbital-free Density Functional Theory: 6 (Recent Advances in Computational Chemistry)

Tomasz A Wesolowski, Yan Alexander Wang

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This is a comprehensive overview of state-of-the-art computational methods based on orbital-free formulation of density functional theory completed by the most recent developments concerning the exact properties, approximations, and interpretations of the relevant quantities in density functional theory.

The book is a compilation of contributions stemming from a series of workshops which had been taking place since 2002. It not only chronicles many of the latest developments but also summarises some of the more significant ones. The chapters are mainly reviews of sub-domains but also include original research.

Contents:

Hamilton, R A Mosna & L Delle Site)
- *Part 4: Appendix:*
  - ○ Semilocal Approximations for the Kinetic Energy *(F Tran & T A Wesolowski)*

Readership: Graduate students, academics and researchers in computational chemistry. Atomic & molecular physicists, theoretical physicists, theoretical chemists, physical chemists and chemical physicists.

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