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Coordinate Method""; ""8.General Two-electron Exponential Type Orbital Integrals in Poly-Atomics without Orbital Translations""; ""8.1. Introduction""; ""8.2.Basis Sets""; ""8.3.Programming Strategy""; ""8.4. Avoiding ETO Translations for Two-Electron Integrals over Three and Four Centers""; ""8.5.Numerical Results of Coulomb Resolutions: Efficiency""
""8.6.Selected Exchange Integrals for the CH3F Molecule (Evaluated Using the Coulomb Resolution)""""8.7.Conclusions""; ""9.Explicitly Correlated Methods for Molecules""; ""10.Highly Accurate Calculations Using STOs""; ""11.Closing Remarks""; ""Acknowledgements""; ""References""; ""TUNNELING DYNAMICS AND ITS SIGNATURES IN COUPLED SYSTEMS""; ""Abstract""; ""1.Introduction""; ""2.Historical Development""; ""A.Tunneling in Physics""; ""B.Tunneling in Chemistry""; ""C.Tunneling in Coupled Systems""; ""3.The Method""; ""A.Dynamics of the Coupled System in the Absence of Driving""
""B.Dynamics of the Coupled System in the Presence of External Driving""