Correlated Orbital Theory for Response Properties

A.Francis, Z.Windom, M.Ravi, A.Perera, R.Bartlett

The concept of a correlated orbital theory (COT), derived from coupled cluster considerations parameterized by DFT approximations, defines the QTP density functionals. The question is whether such an orbital approximation can include the essential elements of correlated theory for second order properties. This poster will address this issue