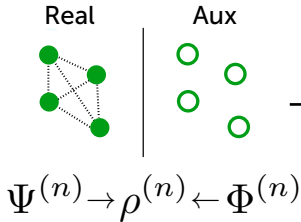


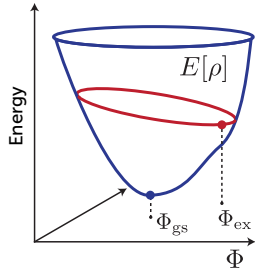
(a) Time-Independent Variational DFT



(b) Generalized Kohn-Sham Scheme

$$\langle \Phi^{(m)} | \Phi^{(n)} \rangle = \delta_{mn} + E_{\text{xc}}^{(k)}[\rho] \approx E_{\text{xc}}^{(0)}[\rho]$$

(c) Orthogonality Constraint and Adiabatic Approximation



(d) OCDFT