

  $\Omega_{\text{eLDA}}^{(1)}$  with  $\mathbf{w} = (0, 0)$

  $\Omega_{\text{eLDA}}^{(2)}$  with  $\mathbf{w} = (0, 0)$

  $\Omega_{\text{eLDA}}^{(1)}$  with  $\mathbf{w} = (1/3, 1/3)$

  $\Omega_{\text{eLDA}}^{(2)}$  with  $\mathbf{w} = (1/3, 1/3)$

  $\Omega_{\text{TDHF}}^{(1)}$

  $\Omega_{\text{CIS}}^{(1)}$

  $\Omega_{\text{TDLDA}}^{(1)}$

  $\Omega_{\text{TDA-TDLDA}}^{(1)}$