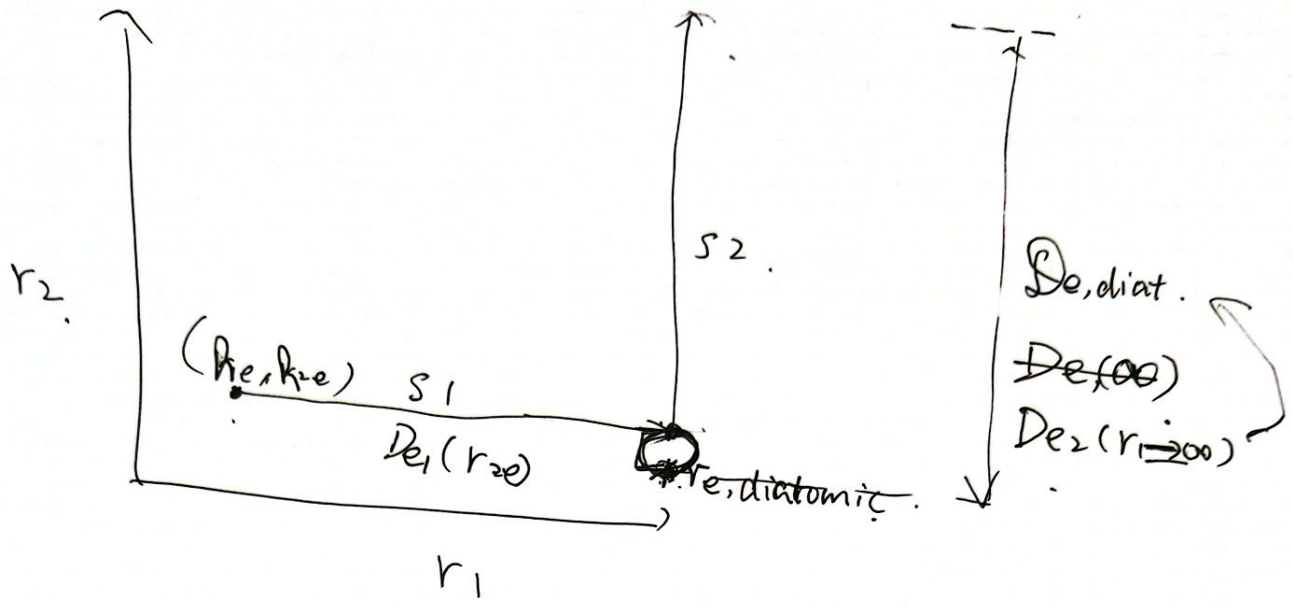

D_e $\qquad\qquad$ $D_e(r_i)$

$$D_e(r_i) = \min_{r_j} \left(V(r_j, r_i)\right) - V(r_j \to \infty, r_i)$$

$$D_e(r_i) = \min_{r_j} \left(V(r_i, r_j)\right) - V(r_j = \infty, r_i)$$

$$D_{e_2}(r_1) = \min_{r_2} \left(V(r_1, r_2)\right) - V(r_2 = \infty, r_1)$$

$$D_{e_1}(r_2) = \min_{r_1} \left(V(r_1, r_2)\right) - V(r_1 = \infty, r_2)$$

diatomic

~~$\mathcal{D}_{e,1D} = E(BeH \text{ at } r_e) - (E(Be) + E(H))$~~

$\mathcal{D}_{e,1D} = E(Be) + E(H) - E(BeH, r_e)$

$\mathcal{D}_{e,2D} = \underbrace{E(Be) + E(H) + E(H)}_{0} - E(BeH_2, r_{e,1}, r_{e_2})$

$\mathcal{D}_{e,2D} = -E(BeH_2, r_{e,}, r_{e_2})$

$\mathcal{D}_{e,1D} = -E(BeH, r_e) - E(H)$