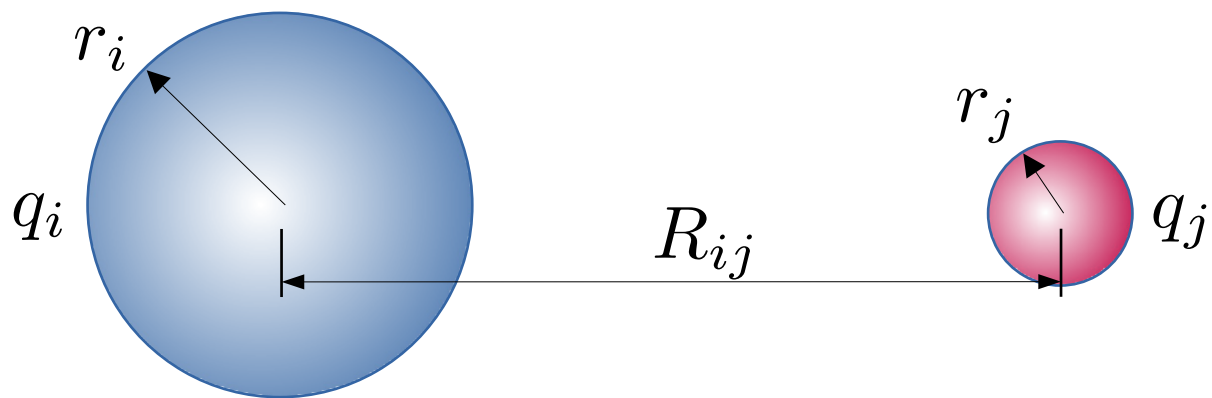
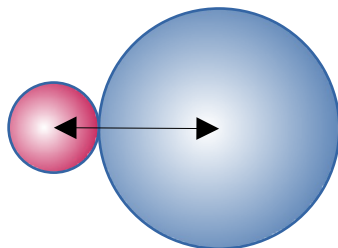


Particles : i, j

With Charges : q



Interact via potential : $U_{total} = U_{Yukawa} + U_{Lennard-Jones}$



$$\sigma = r_i + r_j$$

Inverse Screening Length : k

Energy minima depth : ϵ

$$U_{ij} = \frac{q_i q_j e^{-k R_{ij}}}{R_{ij}} + 4\epsilon \left(\left(\frac{\sigma}{R_{ij}} \right)^{12} - \left(\frac{\sigma}{R_{ij}} \right)^6 \right)$$

