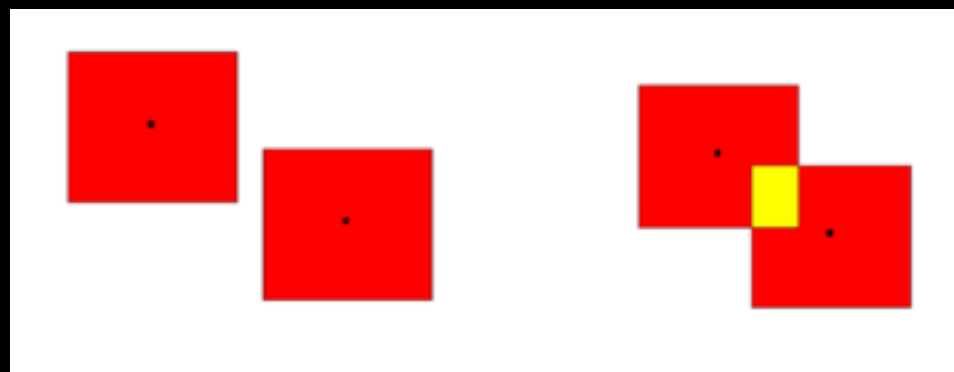
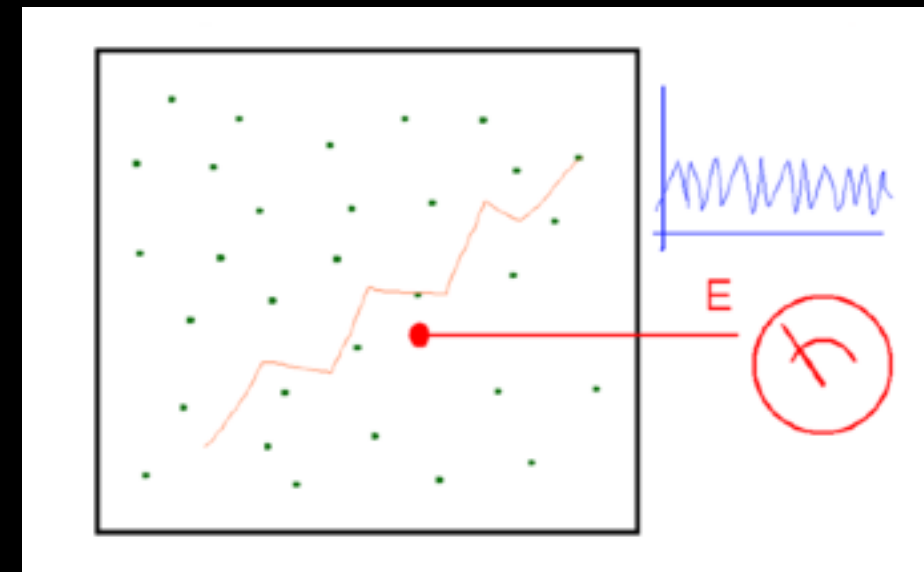
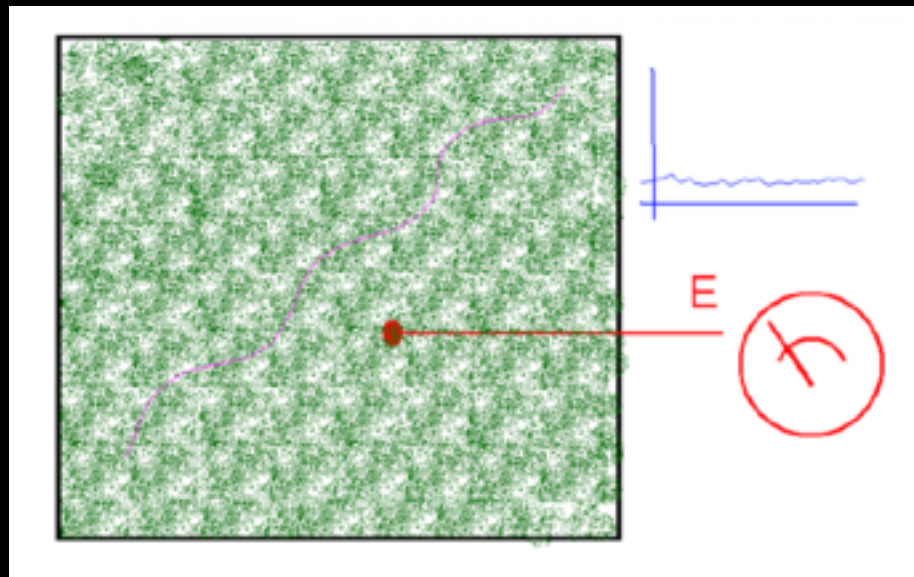
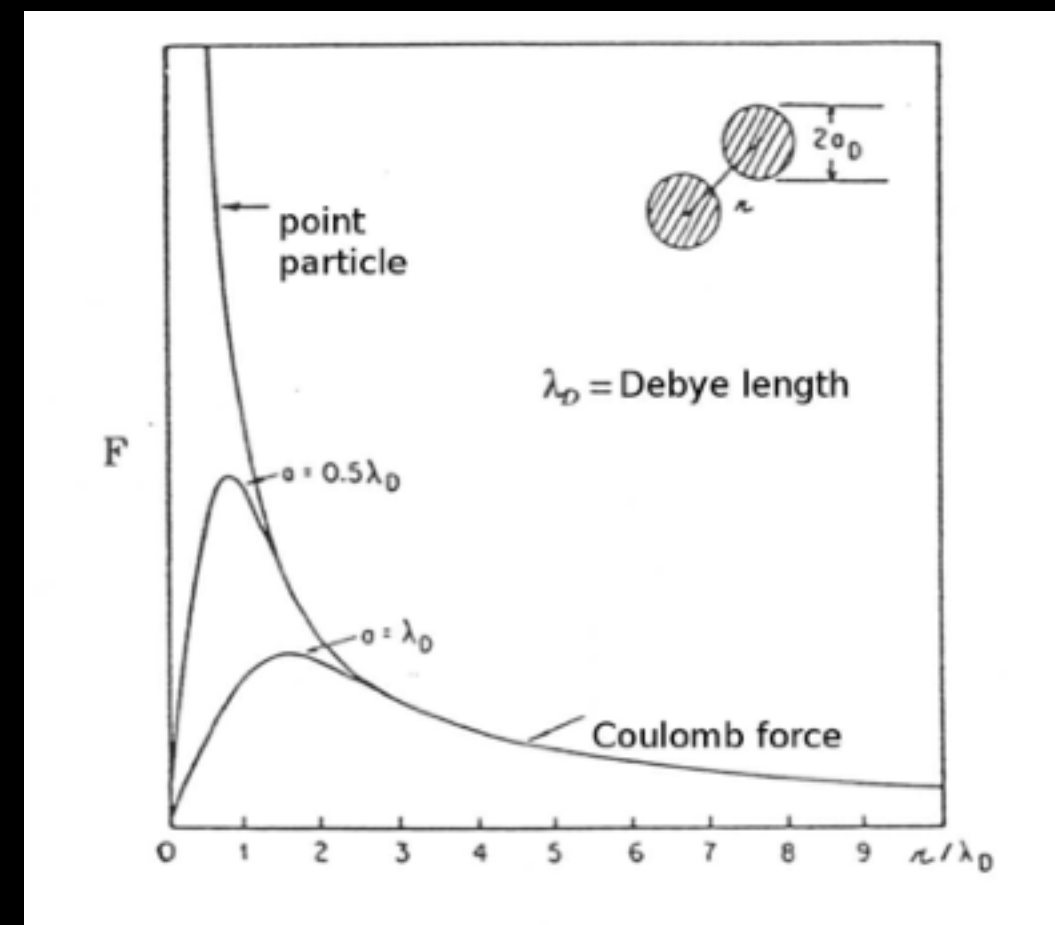


# Macro-particles vs. real particles



$$\Lambda = \frac{E_{th}}{E_{pot}} = \frac{4\pi\epsilon_0 a k T}{q^2}$$



# Particle-in-cell loop

