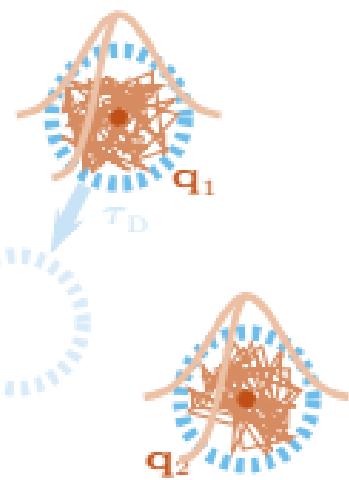


Representations:

Point Particles

$$\mathbf{q}_i, \mathbf{p}_i, U$$

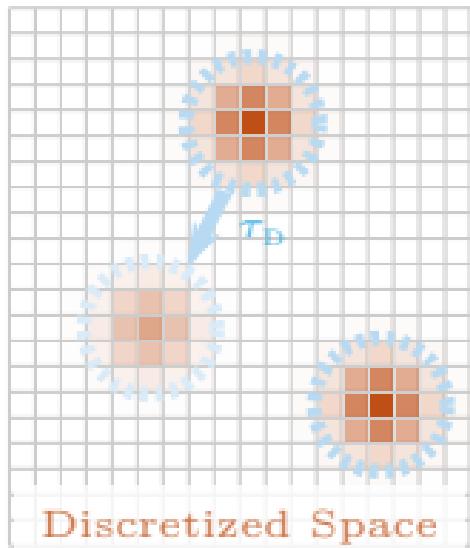
$$\dot{\mathbf{p}}_i = -\nabla U$$



Density Field

$$\rho(\mathbf{r})$$

$$\dot{\rho} = \nabla^2 \left(\frac{\delta F}{\delta \rho} \right)$$



Vector Space

Discretized Space

Timescales:

