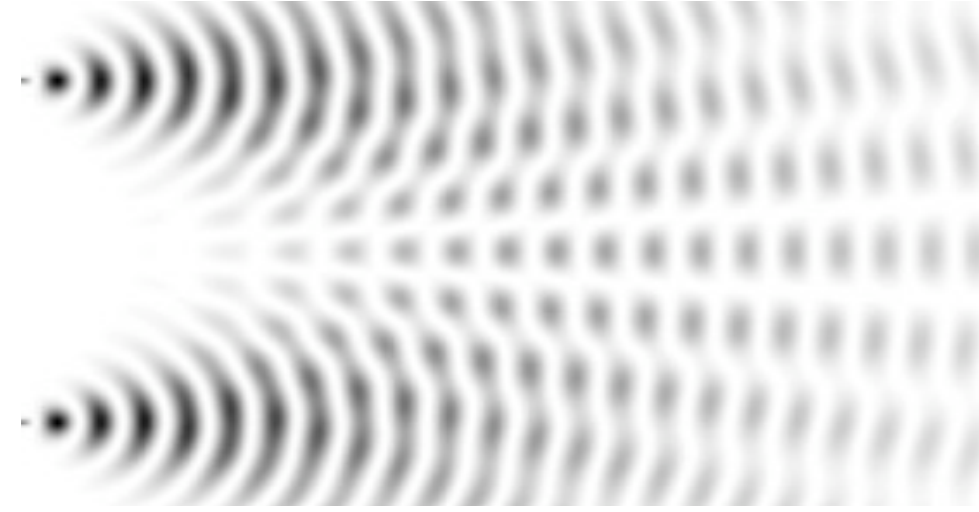


SC w/ interference

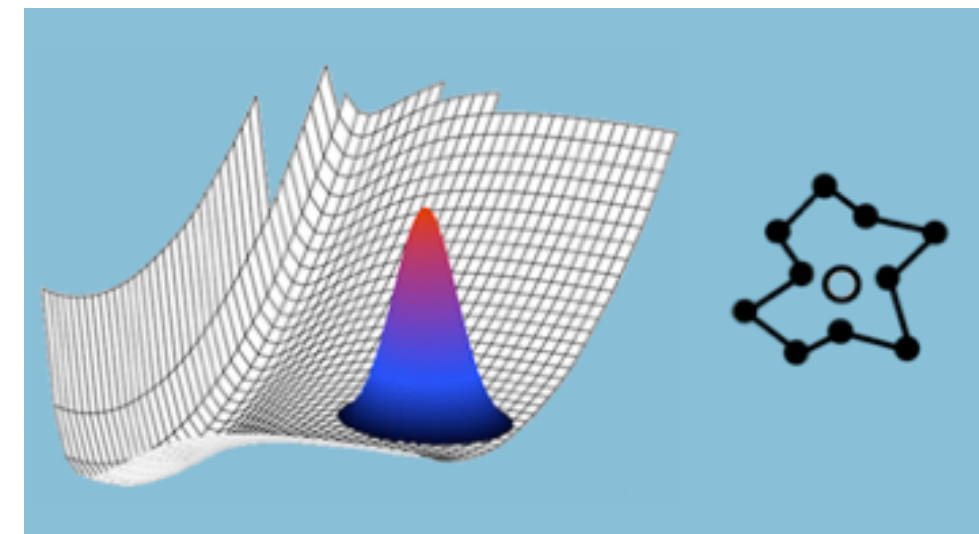
DHK-IVR, FB-IVR



Can we learn anything about **this** 
for the computational cost of **this**? 

SC w/out interference

LSC-IVR, RPMD, centroid MD



Correlation Functions

Quantum:

$$C_{AB}(t) = \text{tr} \left(\hat{A} e^{i\hat{H}t} \hat{B} e^{-i\hat{H}t} \right)$$

Double Herman-Kluk:

$$C_{AB}^{\text{DHK}}(t) = \int d\Omega_0 \int d\Omega'_0 \left\langle \Omega_0 \left| \hat{A} \right| \Omega'_0 \right\rangle \left\langle \Omega'_t \left| \hat{B} \right| \Omega_t \right\rangle c_t^{\text{HK}} c_{t'}^{\text{HK}*} e^{i\Delta S}$$

Linearized SC-IVR (Classical Wigner):

$$C_{AB}^{\text{LSC}}(t) = \int d\Omega_0 A_{\text{W}}(\Omega_0) B_{\text{W}}(\Omega_t)$$