HW 2. due: May 8

1. Design a simulation with path summation wich demonstrates tunneling between two minima of the double-well potential. For a start, you may want to consult the numerical example provided in Lecture 3. But you should design your own experiment.

2. Demonstrate with the time history (animation) how the wf tunnels through the barrier

3. Determine an approximate relationship between the tunneling gap and tunneling time. required for 242 only bonus for 142

4. problems marked and required for 142/242 in lecture 6/7