# Report for falling

## Simulated with: lib.managers.crankNicolson.dimensionless

#### Simulation constants:

baseDensity: 1.000 chemicalPotential: 1.000 dt: 0.005

dx: 0.200 g: -1.000 hbar: 1.000

healingLength: 0.707 mass: 1.000 plotFPS: 1000.000

plotPause: 0.001 plotStep: 10 plotYMax: 2

plotYMin: -2 r: 0.125 tCount: 1000

tMax: 5 tMin: 0 velocity: 0.000

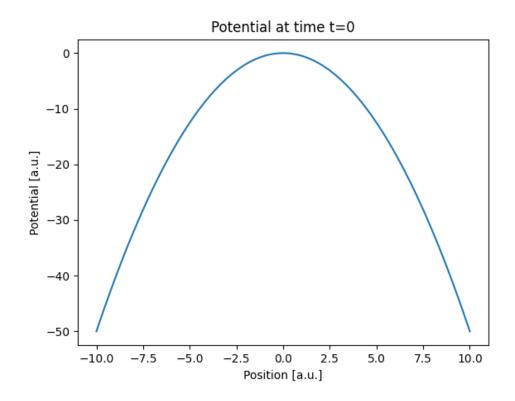
x0: -1.000 xCount: 100 xMax: 10

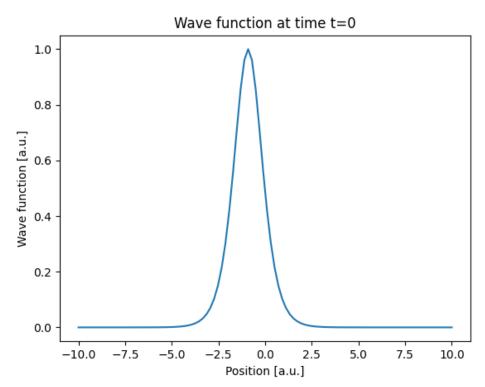
xMin: -10

#### Wave function:

### Potential function:

def V(x, t, constants): return -1 / 2 \* x\*\*2





# Results

