Problem Set 9

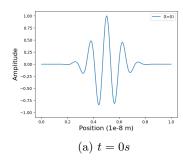
Greta Goldberg

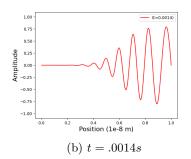
November 2023

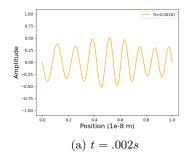
 $github\ link:\ https://github.com/gretagoldberg/phys-ua 210.git$

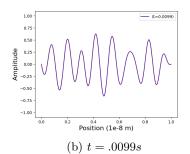
1 Question One

1.1 Part B









1.2 Part C

What we are seeing here is the wave moving in time (ok duh). It looks like at t=0 the wavefunction has maximum certainty in its position, and then after

hitting the side of the box, the wavefunction spreads out so that its position becomes more uncertain/less cetralized.