

Homework 3

Due Thursday September 20

1. Finish off lab3.
2. Increase the number of “molecules” from 9 to 16. The act of placing more molecules in the same box decreases their average spacing and increases the pressure of the system. Also decrease the size of the box to $L=0.5$.
3. Make screen captures of the system (confined to the xy plane) for a range of the parameter **VMAX**. The mean kinetic energy of the molecules gives a measure of the temperature of the system. What happens for low temperatures and high pressures ?