HW 19

Name 1 _____   Name 2 _____

Length Unit = 1 Micrometer (Micron)

Mass Unit = 1 Picogram

Time Unit = 10^{-4} Seconds (There is no nice unit word for 10^{-4})

Temperature = 300 Kelvin

Density of polystyrene spheres = 1.05 grams/(cm^3)

Diameter of a polystyrene sphere is 1 micron.

What is the mass of a polystyrene sphere in Picograms?

_____ Picograms

In these units what is the attraction force that we can take away from the paper?

_____ Picograms*Micros/(10^{-4}s)^2

Graph it below

Attach work to this sheet.

Clean your code by removing all the unnecessary stuff and get it ready to work on 6 polystyrene spheres.

Put your code in GitHub and copy a link to it in Canvas.

Work in the same groups as last time and report out on what you did on Tuesday.