README file for understanding how to use the simulation-

The simulation has 2 options- run multiple simulation or 1 simulation.

for running multi simulations use the "New rims main" and "New predefined tests". When running a GUI will open for u to defining the simulations parameters.

If u want to save those simulations in the data base, verify the "save in data base" is marked in the GUI.

If it is the first time u use the data base, we recommend you to open a CSV file "data\_base" and insert manually the headlines as follow-



If u want to use single simulation replace the rims\_main and predefined tests with the original ones. In this case you will need to set the simulations parameters manually and your output will be in an output folder that will be created automatically. For each simulation you will run you will get 4 files: text file with the simulations parameters, CSV for location of each ion at the beginning of each cycle, CSV file with the velocity of each ion at the beginning of each cycle, and a graph of the net velocity at each cycle until getting to steady state.