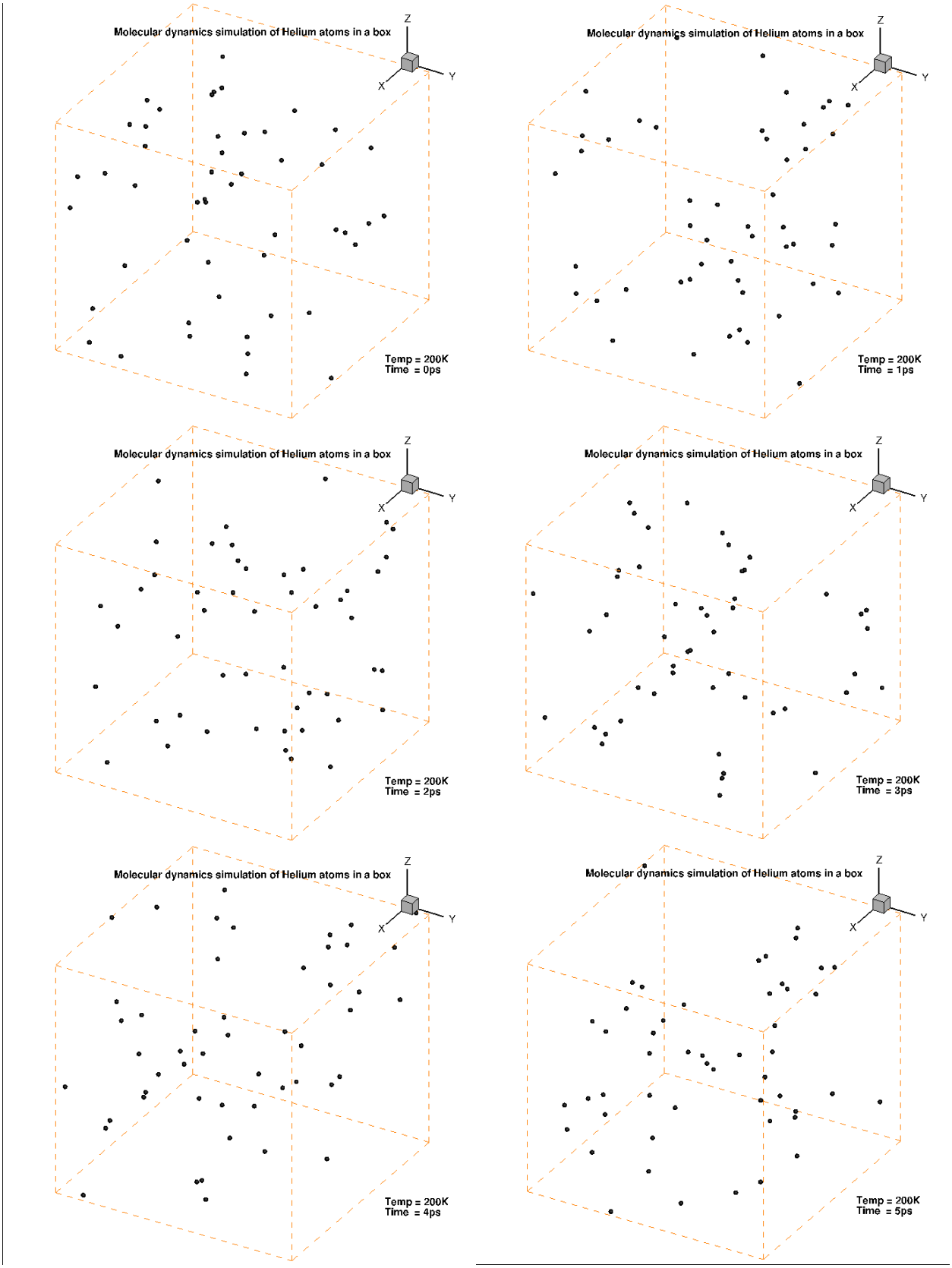
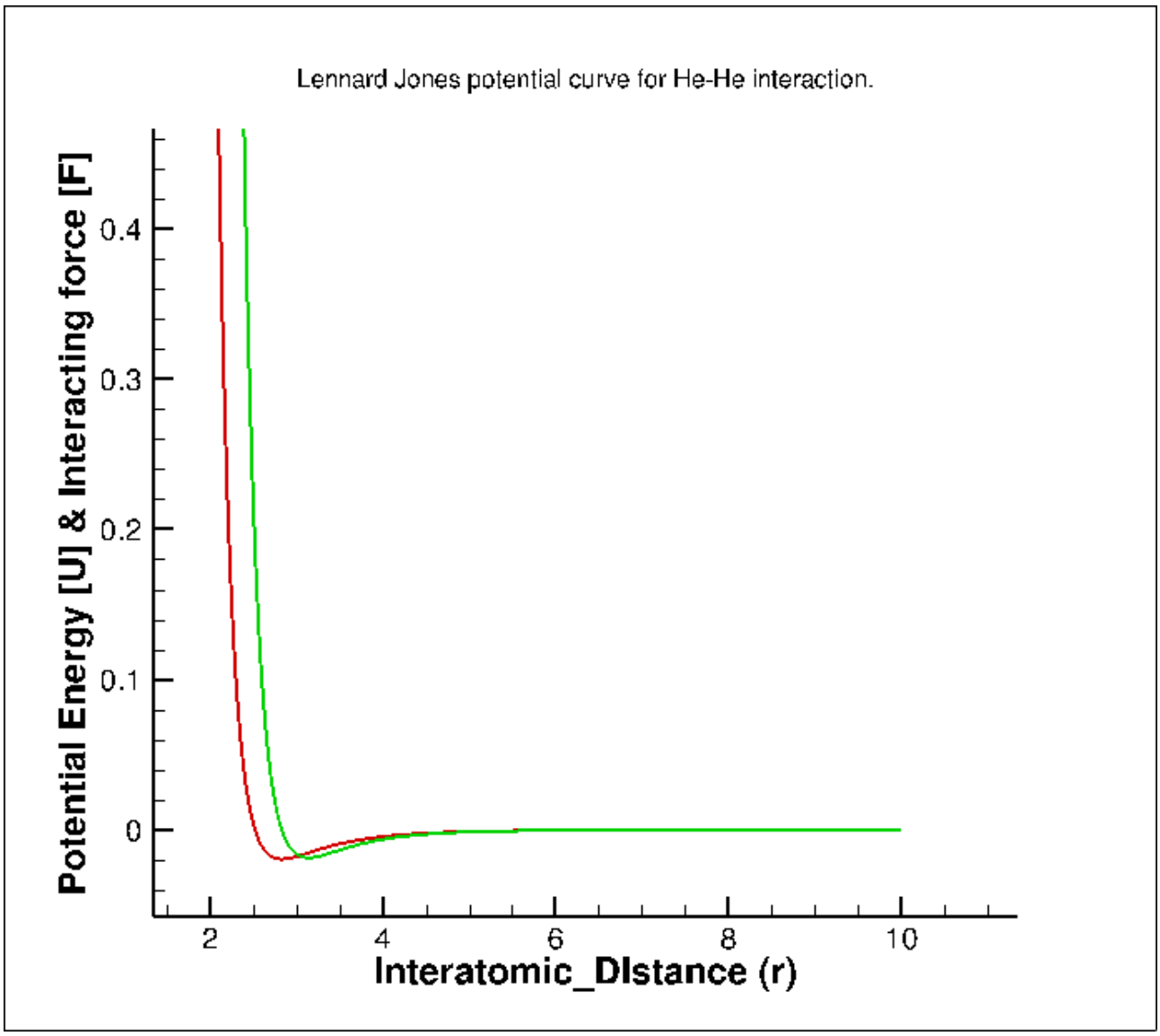
Simulation Condition:

No.of.atoms: 50; Temperature of system: 200K; Time of simulation: 5ps; Time-step: 10fs



Lennard Jones potential well calculation:



Equilibrium interatomic distance is estimated at 2.83 Angstroms considering the least interatomic potential.

-Plotted with TECPLOT360.