

N-Body Simulation

Objective:

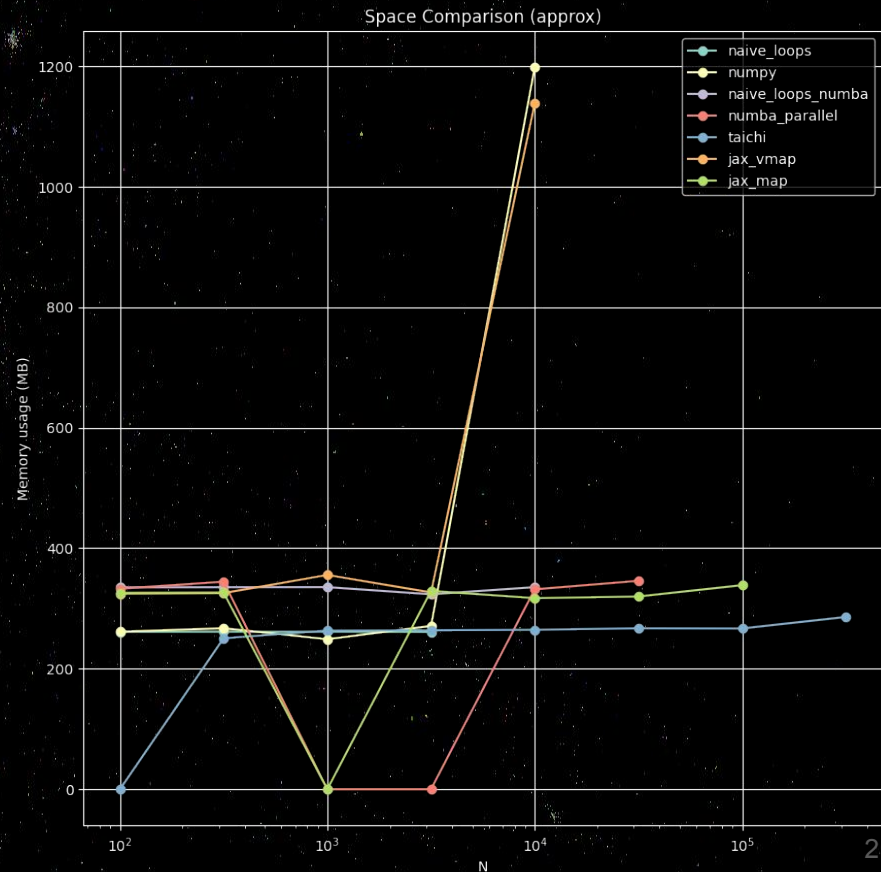
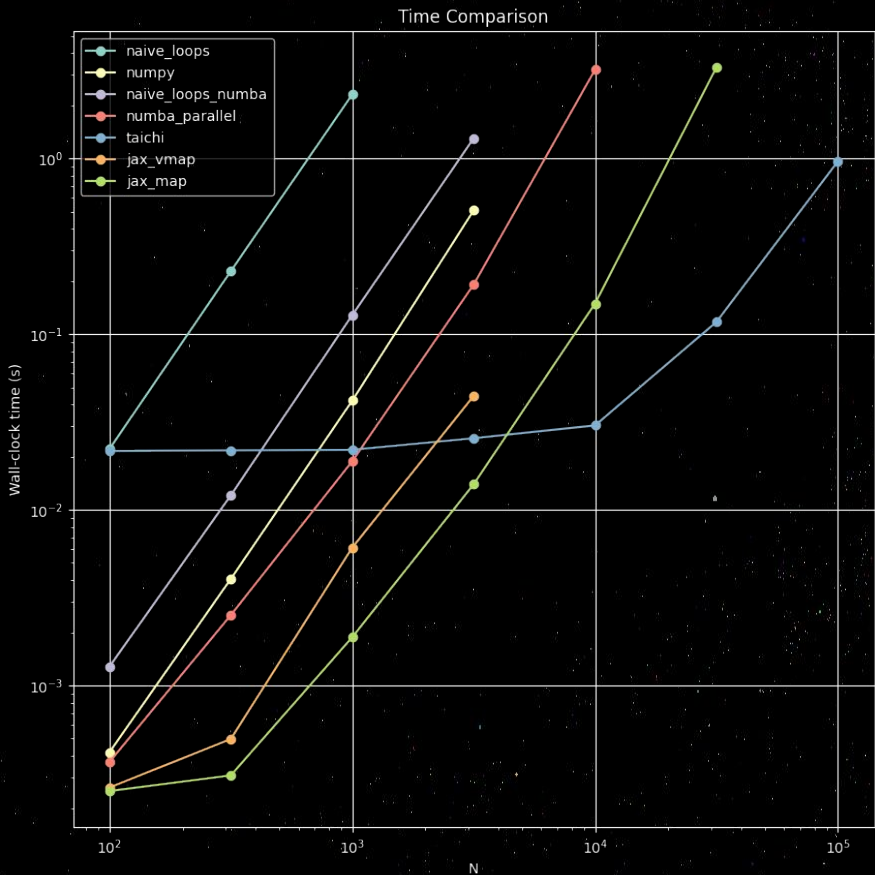
Do a direct N-body 3D simulation with as many stars as possible.

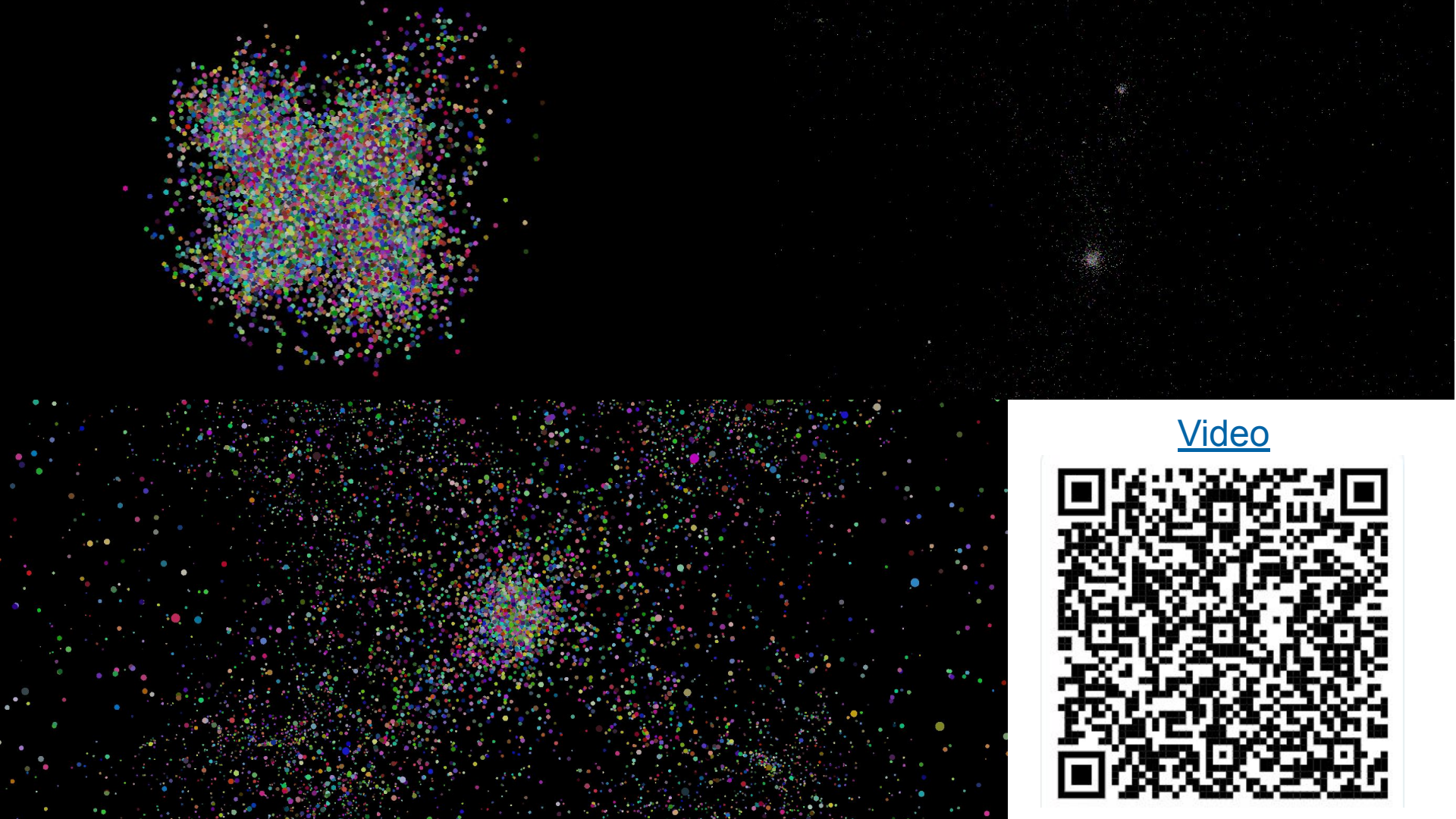
- Use Plummer model for the initial conditions
- Use leapfrog integration (DKD)
- Do a 3D Video of the simulation
- Use a hierarchical method (maybe)



Comparing Implementations

Max time: 10s Max Space: 1024Mb





[Video](#)

