

RPI MATLAB Simulation profiling result for converting to C++

The simulation is dropping 50, 100, 200 spheres into a box, respectively. The total time step is 300. Following are the snapshot at different time step.

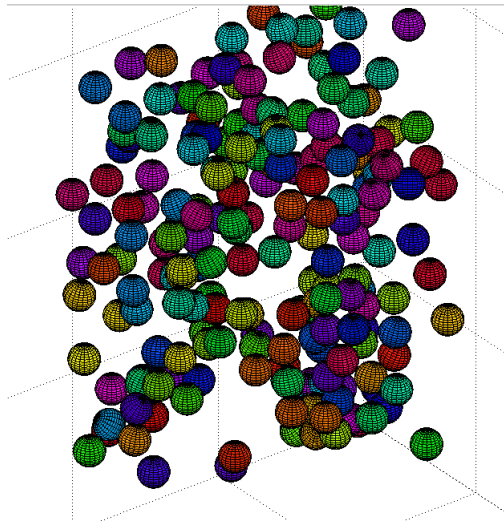


Figure 1: Initial Scene

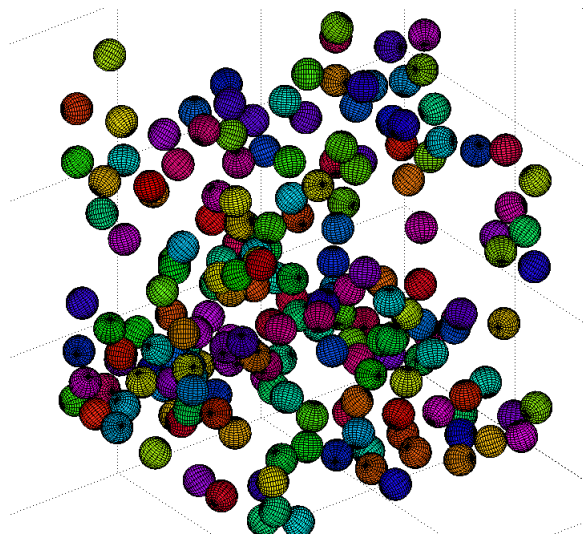


Figure 2: Scene at 70th time step

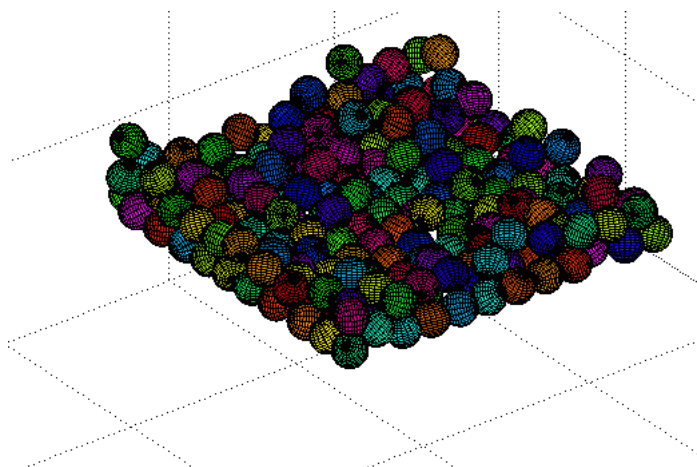
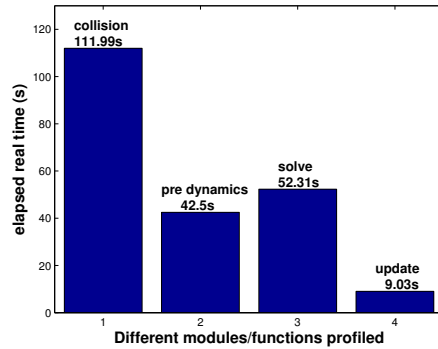


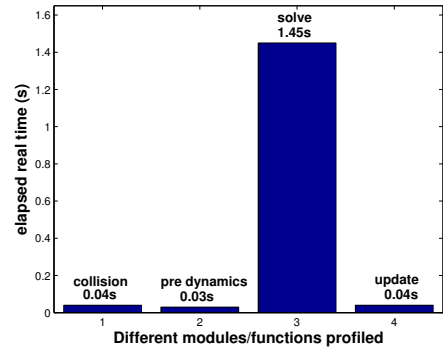
Figure 3: Final Scene

- 50 spheres

Profiling of elapsed time by each module (MATLAB 50 sph

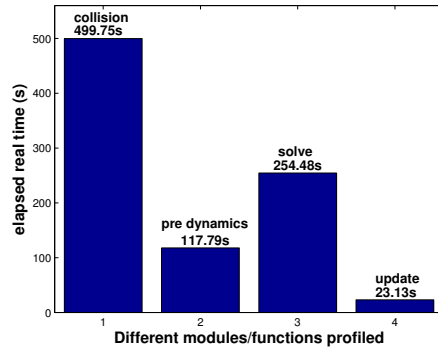


Profiling of elapsed time by each module(C++ 50 spheres)

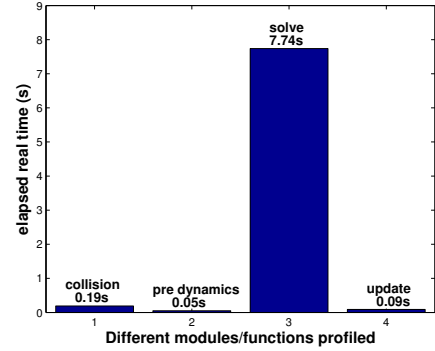


- 100 spheres

Profiling of elapsed time by each module (MATLAB 100 sph

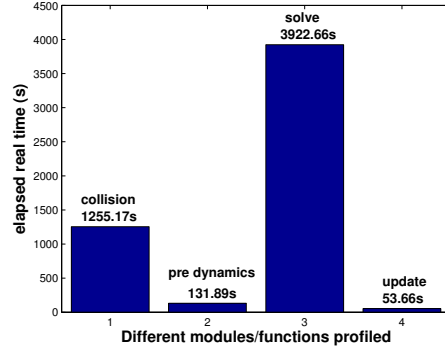


Profiling of elapsed time by each module(C++ 100 spheres)



- 200 spheres

Profiling of elapsed time by each module (MATLAB 200 sph



Profiling of elapsed time by each module(C++ 200 spheres)

