Questions20230725

1. Could we ask for the developer of LMGC90 to improve the precision to double precision?
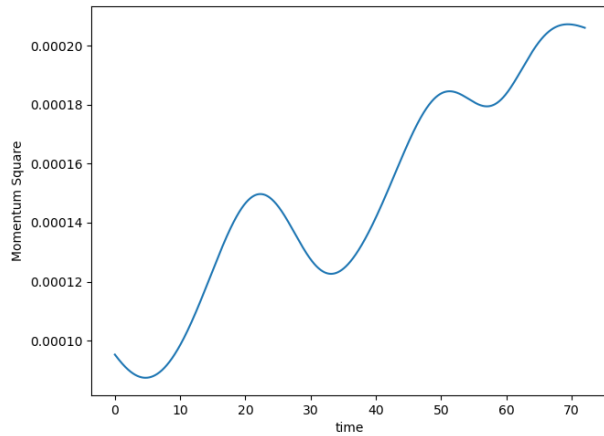

Fig.1 Torque-free case
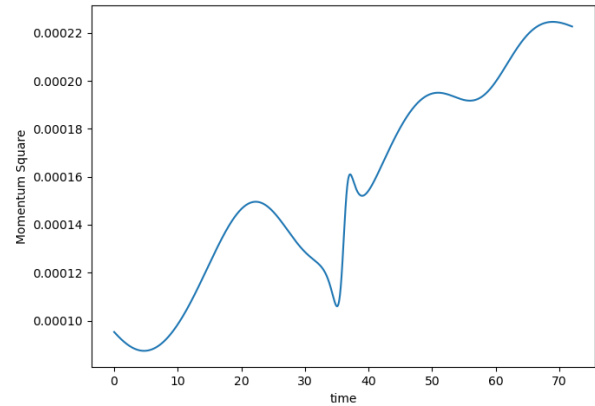

Fig.2 Flyby-case

I tried to control the precision by shrink interval time Δt, but it is very hard to improve more.
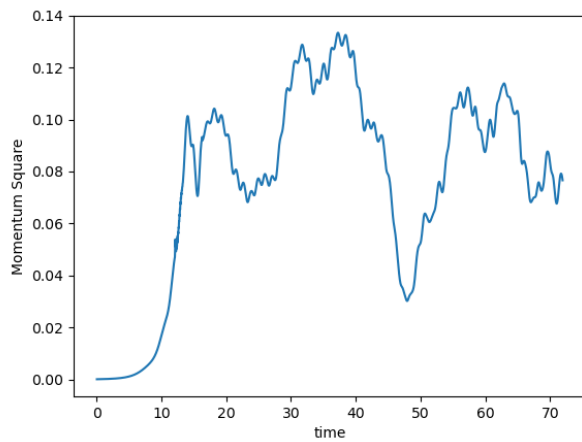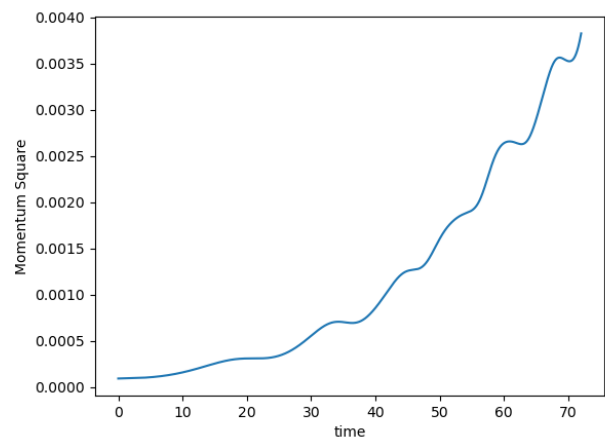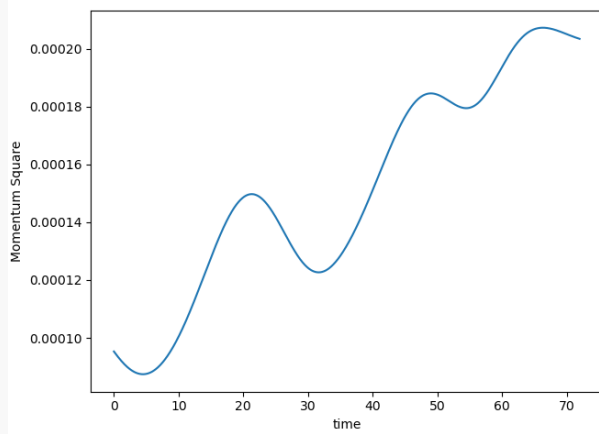
Fig.3 Time Interval 1E-1
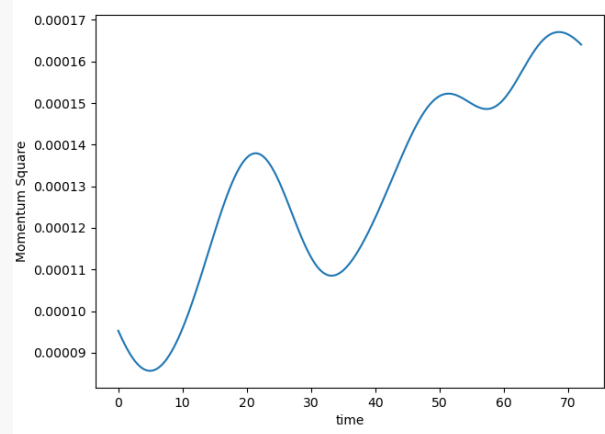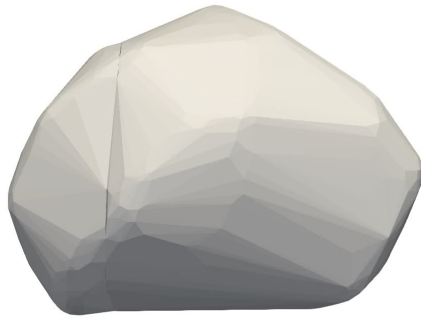

Fig.4 Time Interval 1E-2

Fig.5 Time Interval 1E-3

Fig.6 Time Interval 1E-4

2. Animation Shaking. I tried to add the Earth perturbation behind the Gravity force, but the animation shaking. How can I fix this?

Video 1. Flyby animation with 0.5 fraction

3. The 300-bodies simulation can't run.