

## Notes

out\_\*.list contains merger tree info which the .ascii and .bin files do not have  
They are generated after each pair of snapshots

### Mass calculations

- \_calc\_additional\_halo\_props in properties.c
- \_calc\_mass\_definition in groupies.c
- SO values only include bound particles

### Positions

- Lines 68-80 in calc\_basic\_halo\_props in properties.c
- Mass weighted based on all particle types

Particles are ordered by distance from centre, done in properties.c

Writing of binary files is done in io/io\_internal

## Runtime testing

Running for snapshots 74-78

Readers is default unless stated

Run name is L1000/N3600/DMO\_timing\_<run #>

Run #	Nodes	Writers	Readers	Job id	Runtime	MaxMem
1	8	1024		6546572	90	450
2	8	512	480	6547116	140	890
3	8	1024	480	6548289	100	480
4	8*	2048		6548535	115	500
5	6	768	480	6549649	115	620
6	8^	512	480	6549987	140	880
7	4	512	480	6551455	130	880

\*sbatch exclusive, mpi oversubscribe

^n\_writer=1024 in flamingo.cfg

Look at total CPU time