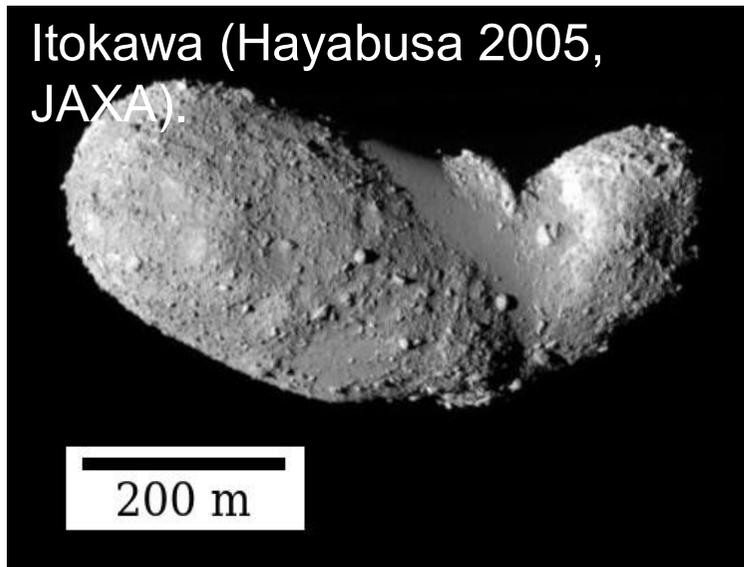
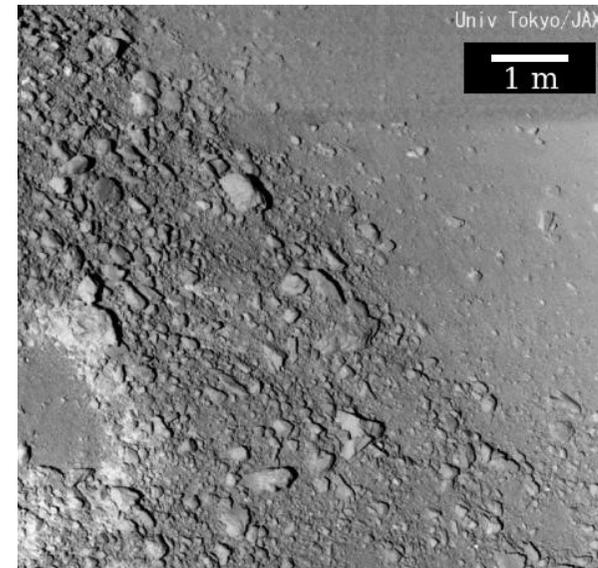


Granular Segregation in Rubble-pile Asteroids

J. Sautel, C.E. Lecomte, M. Vivier & N. Taberlet



- assembly of grains with no cohesion
- grains held together by self-gravity
- may rearrange (micro-g)



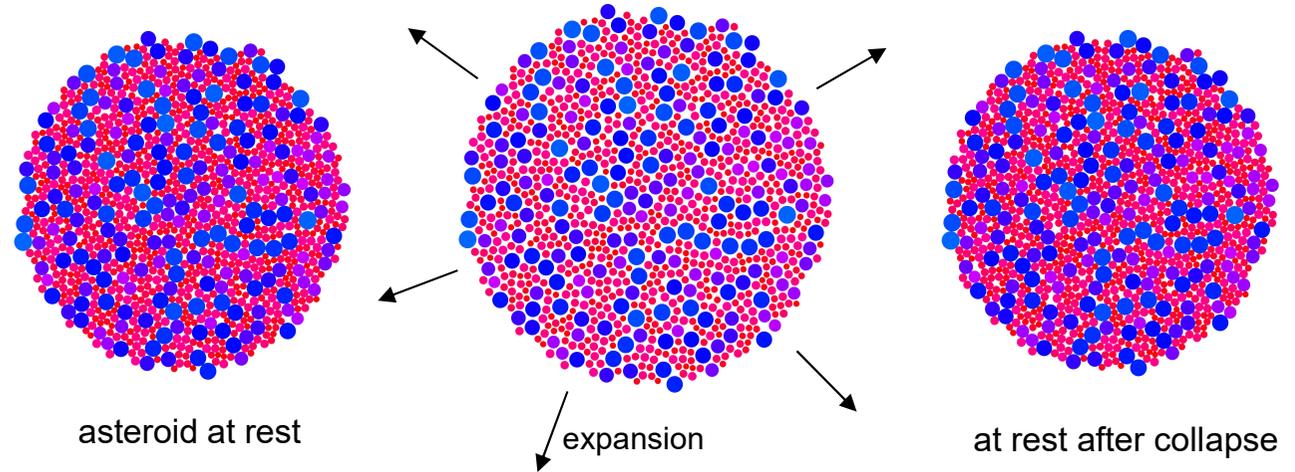
Inhomogeneities in grain size distribution:

- sea of small grains (<1mm)
- regions with large boulders (~1m)

Can granular segregation explain this?

Numerical methods

Gravity is reversed at regular time intervals in order to mimic shaken granular media



$\mu = 0,8, e = 0,5, T = 1,25$

It works: radial segregation!

