**Project Topic**

**Jordan Van Nest**

**Tentative Project Topic:** 1D gravity solver for collapsing spherical shells

**Partner:** None

**Why this is Interesting:** As my research deals with N-body hydrodynamic cosmological simulations, I feel it is important to get acquainted with the basics of gravity solving codes/methods.

**References:** White, Simon D.M., “Simulations of Shrinking Satellites”, ApJ:274:53-61, 1983, doi:10.1086/161425