Steve McMillan
Physics Department
Drexel University

- **Cluster modeling**
  - N-body simulations
  - Starlab (http://manybody.org/starlab.html)

- **Young dense clusters**
  - Galactic center, disk, LMC, M82...

- **Stellar collisions and runaway mergers**
  - McMillan & Portegies Zwart 2003
  - Portegies Zwart et al. 2004

- **Dynamical friction in external fields**
  - mass segregation
  - cluster inspiral to the Galactic center
  - Monte-Carlo and other extensions

- **MODEST website**
  - http://manybody.org/modest

- **Visualization and analysis**
  - partiview (http://manybody.org)
  - starcluster (http://starcluster.org)
  - BASIN (http://www.physics.drexel.edu/BASIN)