

- What is the *minimal* central pressure?
- Is it justified to assume that stars are in HSE?
- Virial theorem revisited
 - consequence: gravitationally bound spheres must be hot!
 - implications for specific heat?
- Polytropic stellar models
 - Lane-Emden equation
- Try it yourself: solve Lane-Emden equation for $n=0$.
- Try it yourself: solve Lane-Emden equation for $n=1$.