1. Introduction & Motivation
2. Atmosphere model
    (a) Two-layer model - inner convective + outer radiative
        i. describe analytical solution assuming ideal gas + no self-gravity?
    (b) Basic equations
    (c) Boundary conditions + disk model
    (d) Real EOS (tables + table extension, most content of 'EOSnotes')
    (e) Virial theorem, energy budget, how to estimate cooling time
3. Numerical method
    (a) Assumptions
    (b) Shooting method description
4. Results & Analysis
    (a) Plots: P-T, M-T, M-R etc.; Luminosity plots
    (b) Critical core mass
        i. Mcrit vs. r plots, explain, comparison with polytropes
        ii. Mcrit vs. r for different disk assumptions?
5. Summary & Conclusions
    (a) Caveats (neglecting self-gravity of radiative region, assumption of constant luminosity)
    (b) Future prospects: 2D extension