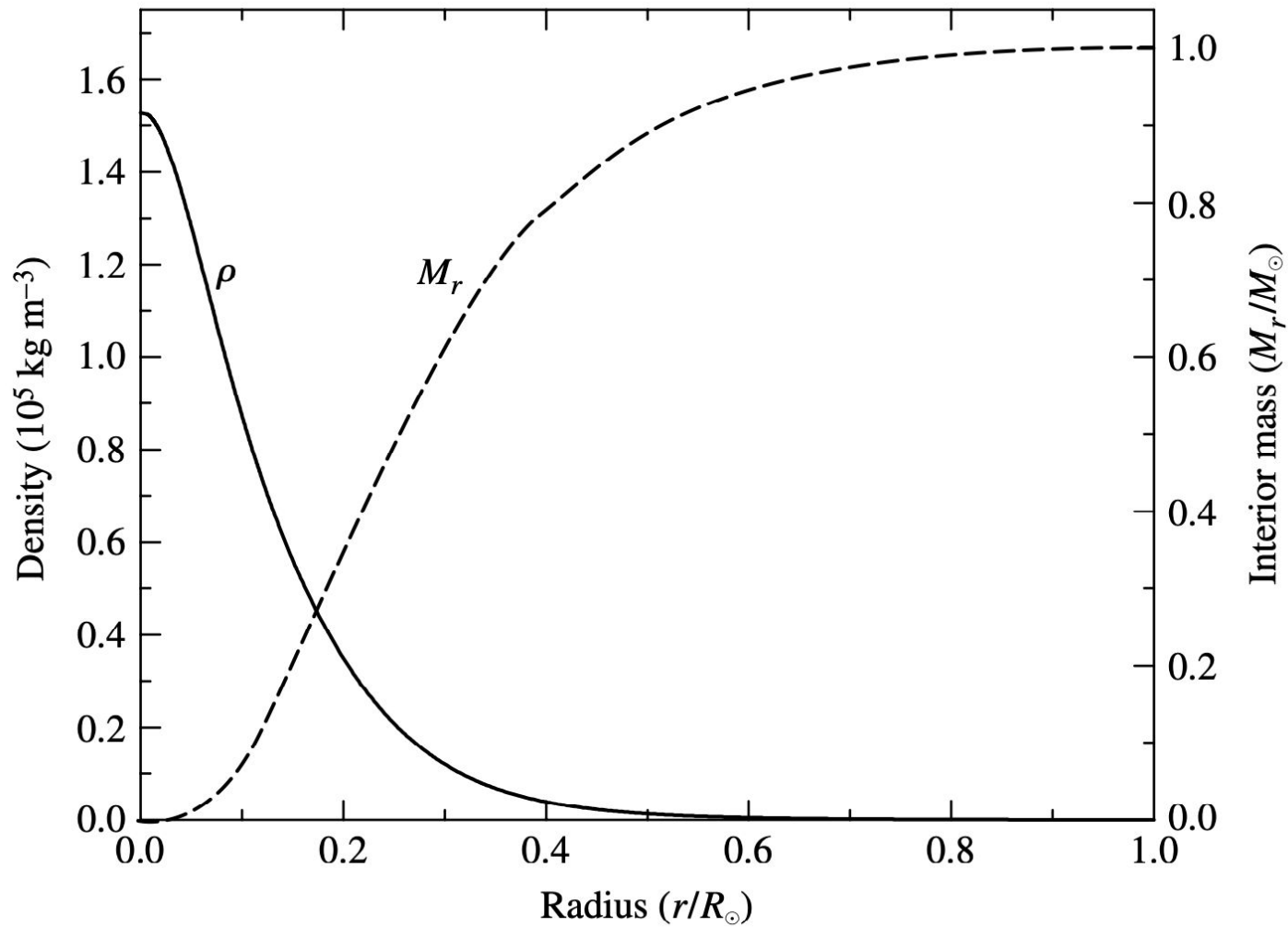


ASTR702

Models of Stellar Structure

We have talked a lot about how the parameters of stellar structure are interrelated, and assumed models for the mass density. Let's now take a quick look at one model for the stellar interior, from Carrol & Ostlie.



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1 $y = y_0 \left(1 - \frac{x}{X}\right)^2$ ✕

2 $y = y_0 \left(1 - \frac{x}{X}\right)$ ✕

3 $y = 0.5 \cdot y_0$ ✕

4 $y_0 = 1$ ✕

-10 10

5 $X = 1$ ✕

-10 10



