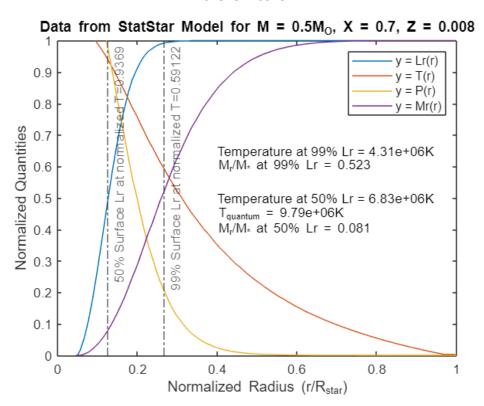
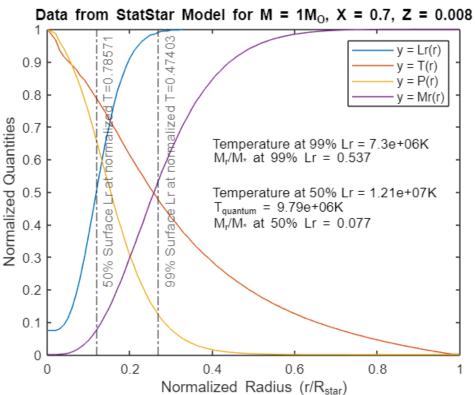
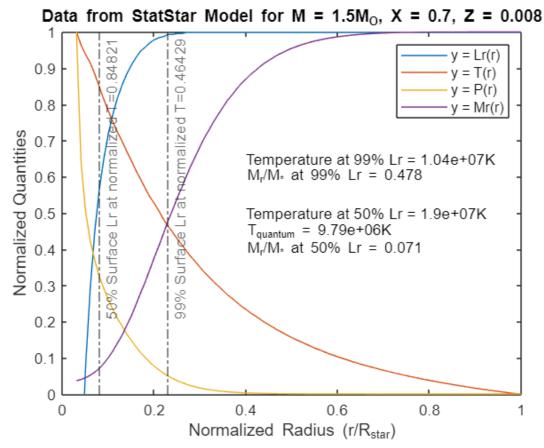
Question 10.27, Astro Assignment 1

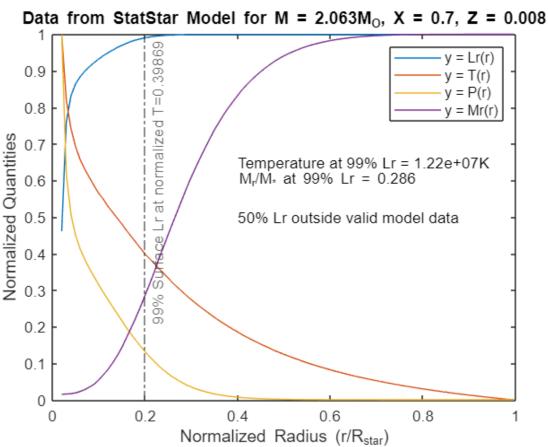
Effy Oommen John

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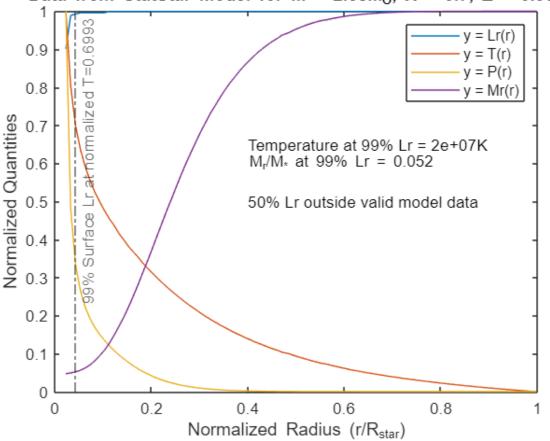


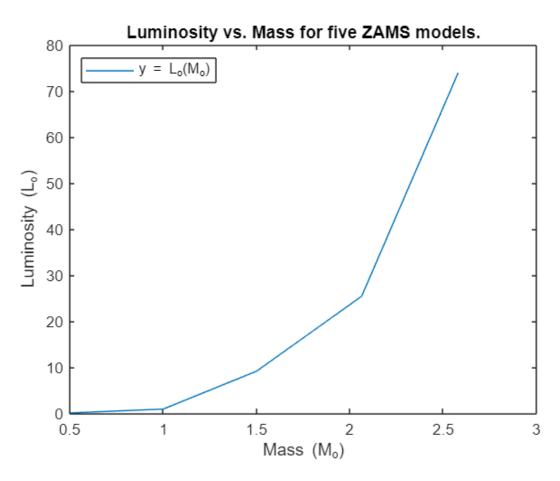


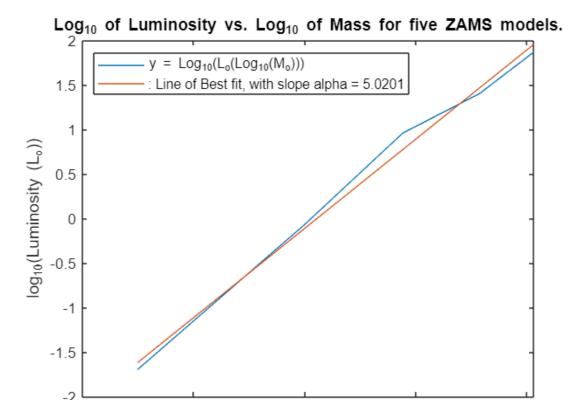












The above graphs are my solution for 10.27. For part b, yes, my calculated values of T at 50% of L_r match the rough estimate calculations to a reasonable degree of error. My MATLAB code that I used for the question, and all other related files, including the models generated will be available at the link below:

0

 $log_{10}(Mass (M_o))$

0.2

0.4

https://github.com/EffyJohn/AstronomyCourse

-0.4

-0.2