

March 2, 2021  
MSE 2103 topics

- The Hertzsprung-Russell diagram
  - staring at it for 20 minutes *really* helps!
  - the axes of the H-R diagram
- The tale of dwarfs and giants
- Life of a star on a H-R diagram
  - if it makes sense, does it mean it has to be correct?
- One parameter to rule them all
- Sooo... how do we measure mass?
  - how would *you* measure it?
  - binary stars to the rescue!
  - Doppler shifts
- Life of a star on a H-R diagram revisited
  - Eddington's mass-luminosity relationship
  - white dwarfs, neutron stars and black holes
- Using H-R diagram to get the distances to stars