

November 2, 2020  
MSE 2101 topics

- Extrasolar planets here we come!
- Quick recap: the types of stars out there
  - spectral types: OBAFGKM
  - luminosity classes: I, II, III, IV, V
  - abundances of heavy elements
- One parameter to rule them all
  - The brown dwarf – M dwarf boundary
  - The most massive stars?
- The life and times of a star
  - the freefall stage
  - the hydrogen-burning stage
  - the old age
  - stellar graveyards
- Stellar multiplicity
- What stars make good habitable planet hosts?
  - elements for building life?
  - habitable zones?
  - stable orbits?