



Moving On Out  
Freshman Seminar 131

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2025

# Planning Ahead...

- Final Projects
  - Fifteen minute presentation
  - Topic of your choice (related to this course)
  - I will soon post a "homework" where you just need to propose a topic
  - Presentations will be during Reading Period.
  - Specific date and time TBD.

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  - Supernova

# Outline

- A Few of my favorite “dynamic” and “star cluster” astrophotos
- Hertzsprung-Russell (HR) Diagrams and Stellar Evolution
- HR Diagrams from **Gaia** data
- HR Diagrams using pictures I took
- RR-Lyrae variable stars
- Using HR diagrams to measure distance













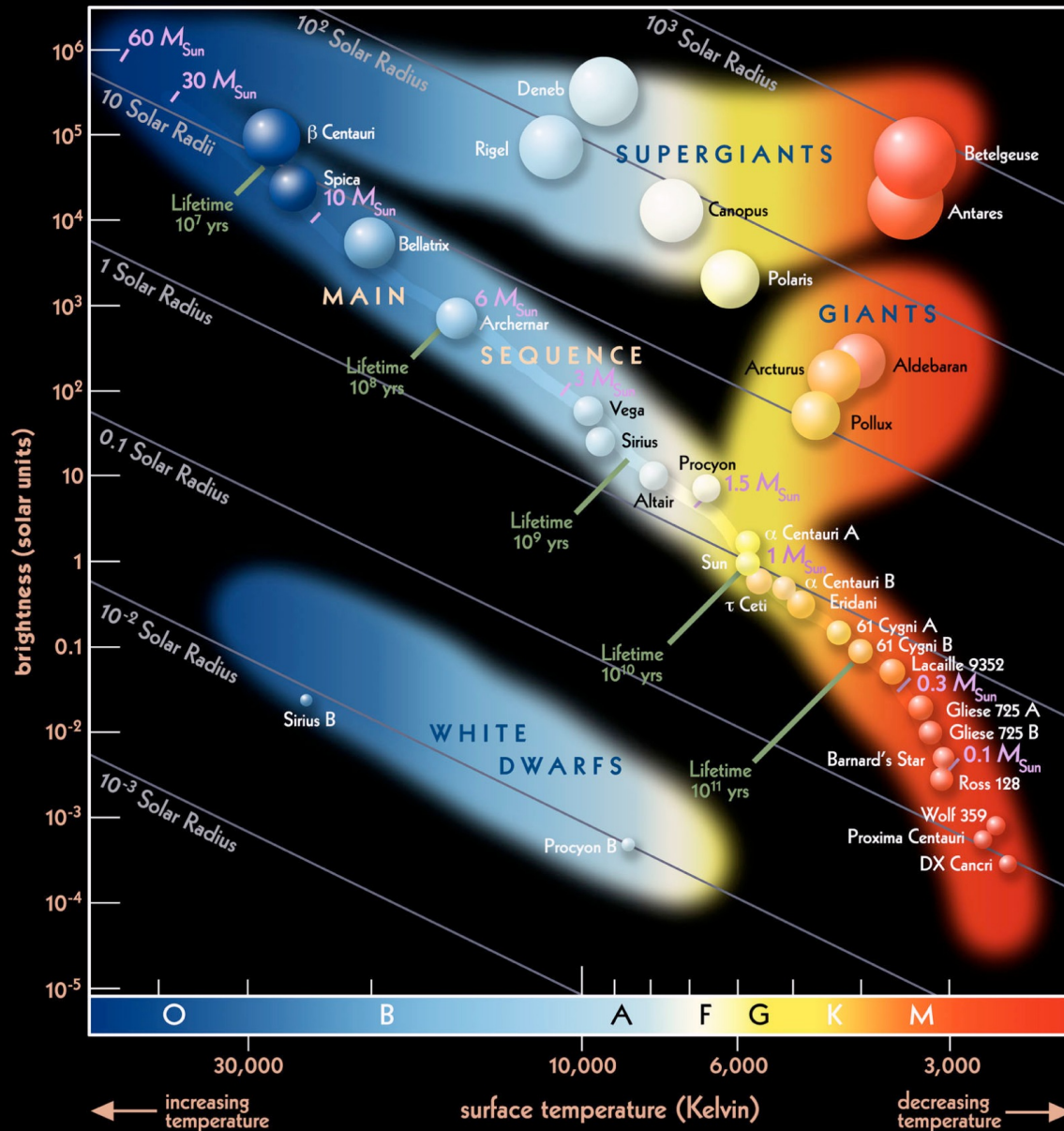




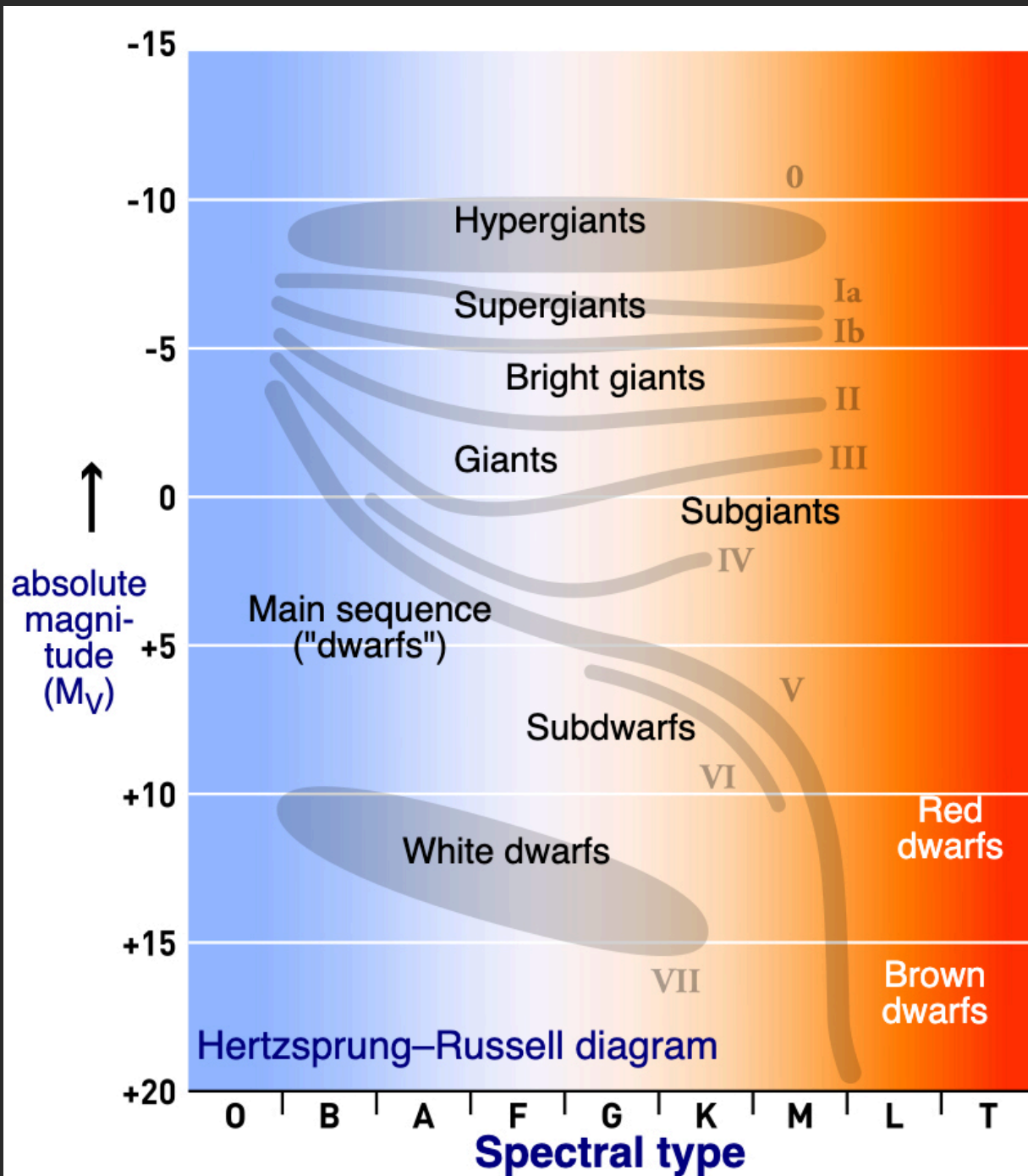


Any Questions?

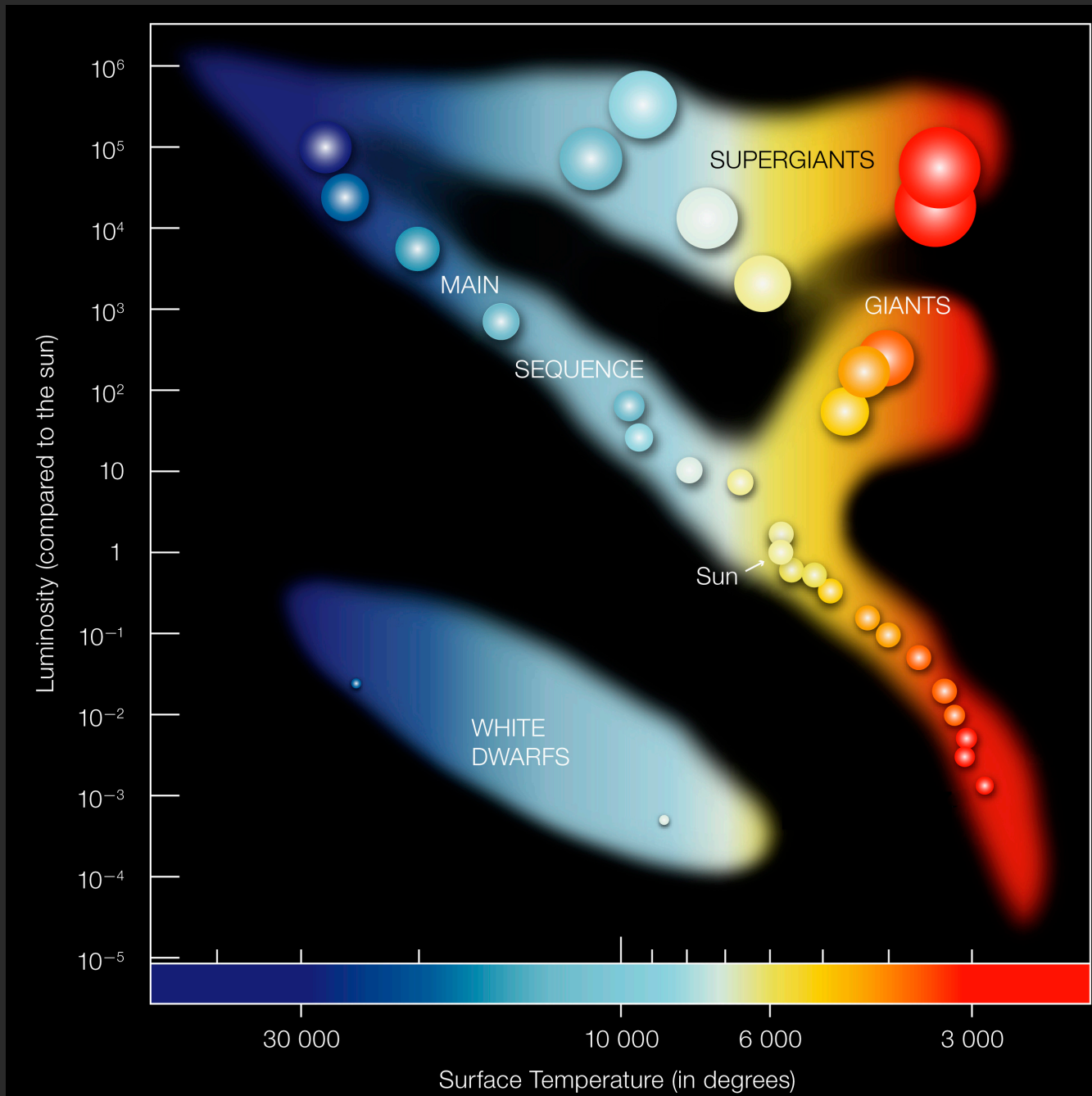
# Hertzsprung-Russell Diagrams



# Star Types



# Hertzsprung-Russell Diagrams



# Stellar Evolution

