

ASTRO 1020 Lab

L4: Period-Luminosity Relation

Grading

- All labs are scaled to be graded out of 10 points*

Points per question	Description
1.0	A correct answer with units and work shown. Answers that don't require work will be graded on completion
0.8	A correct answer without units or work shown
0.6	An incorrect answer with units and work shown
0.4	An incorrect answer without units or work shown
0.2	Some work shown without an answer
0.0	Not Attempted

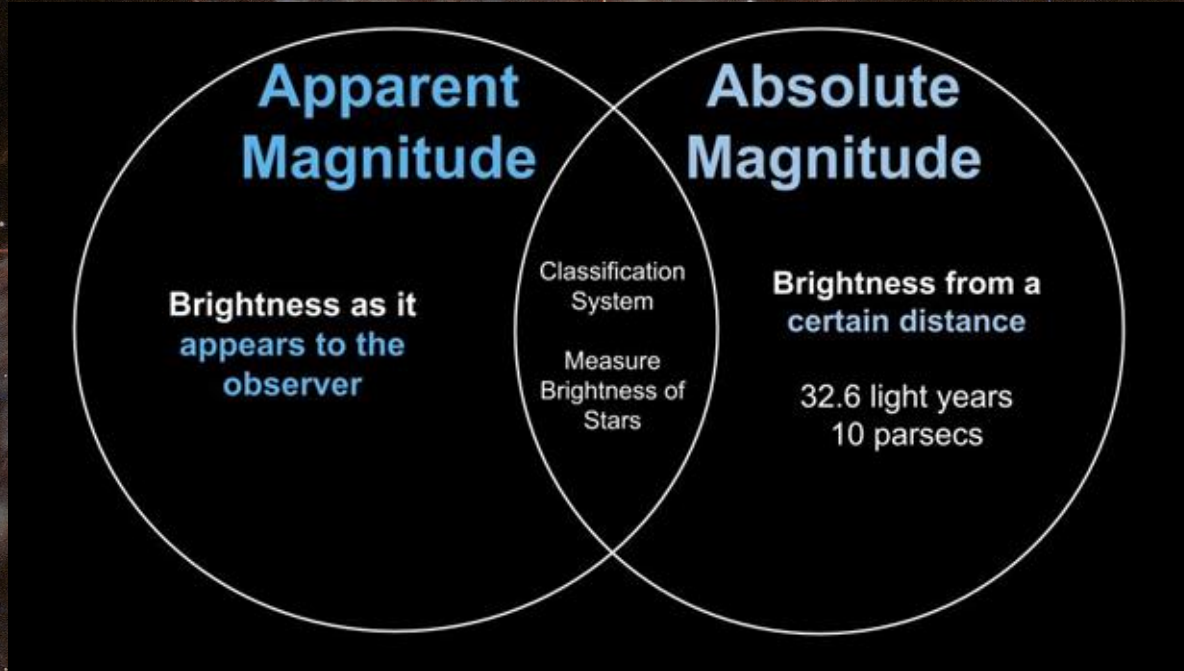
Lab Project

- Presentation about any topic we cover in lab or in lecture
- NO POWERPOINT/PREZI/OTHER SLIDESHOW
- Can be posters, songs, children's books, videos, etc.
- Be creative!
- Proposal due next week (see iCollege page for format)

Things you need to know for Lab 4

- Using excel
- Difference between apparent and absolute magnitude
- Distance modulus equation
- Logs

Apparent and absolute magnitude



Credit: Learn the Sky

Distance Modulus

$$M = m + 5 - 5 * \log(D)$$

Logs

Argument

$$b^x = a \iff \log_b a = x$$

base



Questions?