

Week 5b: Useful readings/Homework #07

Wikipedia readings (don't delve too deeply)

Cepheid variables

http://en.wikipedia.org/wiki/Cepheid_variable

Faber Jackson relation

http://en.wikipedia.org/wiki/Faber-Jackson_relation

Original documents (you might find it interesting to see the original sources)

Leavitt (1908): (see the Astro 25 reading room)

Tully & Fisher (1977): (see the Astro 25 reading room)

Faber & Jackson (1976): (see the Astro 25 reading room)

Hubble (1929): (see the Astro 25 reading room)

Homework #07 (5 pts):

Write a short essay (200+ words) describing *one* of the key steps (or techniques) in the distance ladder. Do not summarize more than one step—just stick with one, going deep enough that you *bring up at least one refinement, complication, or detail not mentioned in class*.

It is a common mistake to talk about more than one of the key steps in the distance ladder, or to not go deep enough. Do not make this mistake. Do a little extra research. Provide at least two references you used in your work.