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.