PHAS 1102, Section 2 part 2: THE EXTRAGALACTIC DISTANCE SCALE























smooth, and of remarkable form. In Figure 2 ... a straight line can readily be drawn among each of the two series of points corresponding to maxima and minima, thus showing that there is a simple relation between the brightness of the variables and their periods ... Since the variables are probably at nearly the same distance from the Earth, their periods are apparently associated with their actual emission of light"



How do we calibrate the zero-point of the period-luminosity relation? Galactic Cepheids:

- Parallaxes
- Cluster fitting
- Baade-Wesselink

Or

- Independent LMC distance determination



















