- Homework #1 review
- The RightTM way of computing culminations
- Hour angle and declination a problem with constantness
- The definition of right ascension
- The geometric representation of sidereal time
 - what happens at the meridian?
 - what happens when γ is at the meridian?
 - what happens when y next crosses the meridian?
- The ecliptic w.r.t. Sun, w.r.t. Earth
- Vernal (spring) equinox, automnal equinox, summer and winter solstices
- So where is this *γ* thingie anyhow?
- Right ascension and declination of the Sun are always changing!
 what happens when the Sun is at a vernal equinox?
 what happens when the Sun is at any of the other extrema?
- Ecliptic (celestial) latitude and longitude (leave some space for the transformations!)
- Sidereal time vs. local time
- Example: observing from Villanova (φ=40.0372°, λ=75.3492°), at what time tonight do we expect Betelgeuse (α Ori; R.A.=05^h55^m10^s, Dec=+07°24'25") to culminate? When will it set?