

April 4, 2019
MSE 2103 topics

- More talk about the incredible physical realities of our Universe
- Doppler shifts vs. cosmological redshifts
- The cosmological principle:
 - universality
 - isotropy
 - homogeneity
- Implication from explosion *or* expansion: time has a beginning!
- The inflating balloon analogy revisited
- The Hubble constant and why it's not really a constant
- Hubble time and its connection to the Hubble "constant"
- De Sitter's stretching of wavelengths
- The Big Bang
- The Timescale Difficulty
- Walter Baade: Universe is bigger and, consequently, older
- The revision of the Hubble constant