

Meeting 3 Notes
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1. Introduction

Expansion, relations of time, distance, and velocity
Krishna article

2. Book Discussion

A lot in this chapter

Review: period-luminosity for Cepheids in LMS (Leavitt)

Herzspring calibrations using parallax

Hubble measures period, lum. In Andromeda, get 900 key

Slide 4 - Redshift - measures velocity

Slide 5, 6, 7, 8 - spectrographs

Slide 9 - Quasar data

Slide 10 - Hubble, Humason, Slipher measure redshift in surrounding galaxies,
Cepheids, later luminosity

Hubble Law : $v=Hd$

Slide 11 - Hubble measurements follow a well known scientific trend...

Break

Go deeper on expansion

Slide 13 - Proper motion - galaxy just move through space

Slide 14 - Address distance is like a street address

Slide 15 - squares increasing in size - realistic number for present day

Slide 16 - motion arises from increase in square size proportional to Hubble constant