

Midterm Review

AST443

Stanimir Metchev

Administrative

- Homework 2:
 - problems 4.4, 5.1, 5.3, 5.4 of W&J
 - due date extended until Friday, Oct 23
 - drop off in my office before 6pm
- **Midterm: Monday, Oct 26**
 - 8:20–9:20pm in ESS 450
 - closed book
 - no cheat sheet
 - no need to memorize obscure constants or formulae

Midterm Review

- **Coordinates and time**
- **Detection of light:**
 - telescopes, detectors
- **Radiation:**
 - specific intensity, flux density, etc
 - optical depth, extinction, reddening
 - differential refraction
- **Magnitudes and photometry:**
 - apparent, absolute; distance modulus
 - CMDs and CCDs
 - photometry, PSF fitting
- **Statistics**
 - testing correlations and hypotheses
 - non-parametric vs. parametric tests
 - one-tailed vs. two-tailed tests
 - one-sample, two-sample tests