

ASTR 535 Lecture Notes

Jon Holtzman

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course website: <http://astronomy.nmsu.edu/holtz/a535>

Properties of light, magnitudes, errors, and error analysis

Light

Magnitudes and photometric systems

Observed fluxes and the count equation

Errors in photon rates

Noise equation: how do we predict expected errors?

Error propagation

Determining sample parameters: averaging measurements

Random errors vs systematic errors