



















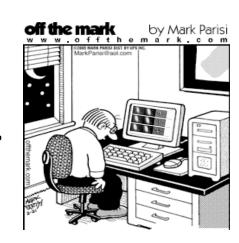
Lectures on Cosmology with Type Ia Supernovae: Introduction

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General Strategy of Lectures

- Pedagogical presentations about analysis used to measure cosmological parameters with SNIa.
- Strong emphasis on light curve fitting and systematics issues.
- SNIa observations and dark energy measurements (1998 → 202?)
- Explosion models.





Overview of Lectures

- 1. Formalism (G.R., distance modulus, "w")
- 2. Measuring the Distance Modulus with SNIa
- 3. SALT-II Spectral Training
- 4. Calibration
- 5. Fitting the Hubble Diagram
- 6. Dark Energy Measurements with SNIa
- 7. Future results and surveys
- 8. Explosion Models

Exercises

Numerous **Exercises** and **Questions** distributed throughout presentations; pick your favorites during each working session.



About half-dozen exercises require numerical methods (i.e, a computer)

