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8.13-14 Experimental Physics I & II "Junior Lab"
Fall 2007 - Spring 2008

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# 8.14 - Oral Exam Grade Sheet

Date:                    Student:                    Experiment:                    Examiner:

Each section is graded on a 1-10 scale with an '8' being a good solid performance. Higher grades can be earned by going 'beyond' the labguide or by exhibiting exceptional laboratory technique. No letter grades are assigned until the end of the term, permitting the balancing of numerical grades given in each section.

## Motivation and Theory: 20%

fundamentals, no long derivations, critical relationships expressed,

## Understanding of Experiment and Quality of Data: 35%

Show & discuss apparatus, calibrations, gives primary data and reduced data graphics.

## Error Analysis, Interpretation and Conclusions: 35%

Shows how $\delta Y$ is derived, discusses systematics and random uncertainties, compares results to known values.

## Presentation Quality: 10%

Timing ok, message clear, smoothly flowing narrative.