

Physics 141

Problem Set 3

Due Monday, Oct. 20 (hand in in class).

Monday, Oct. 13, 2008
H. J. Frisch; 702-7479

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General: Organization, Web page, Labs, Syllabus: See the (yellow) P141 'Poop Sheet'.

No class Wed.- will be made up.

Labs begin this week- Rm KPTC 116- check your schedule.

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First Midterm: The first of 2 Midterms will be Friday, Oct. 17. The material will be on what we have covered in class on Special Relativity, and your reading in Taylor on measurements and experimental uncertainties (including Significant Figures).

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Reading: K&K:a) *To the Teacher* (pp. xix- xxii); b) Chapter 1, Sections 1.1-1.8 (inclusive); c) Note 1.1.

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Study Groups You are strongly encouraged to discuss the problems in a study group. However, the work you hand in has to be your own- you must **NEVER** copy anybody else's work!

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Problem Solving: Please always work in symbols and only plug numbers in at the end where and if required. It usually pays to start by drawing a careful picture, if appropriate.

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1. K&K, Problem 1.2
2. K&K, Problem 1.6
3. K&K, Problem 1.7
4. K&K, Problem 1.8
5. K&K, Problem 1.13
6. K&K, Problem 1.21