

JOHNS HOPKINS UNIVERSITY, PHYSICS AND ASTRONOMY AS.173.115 – CLASSICAL MECHANICS LABORATORY

The Glucometer: A Study in Uncertainty– Prelab Quiz

Answer these questions after reading the "The Glucometer: A Study in Uncertainty" assignment.

You are encouraged to do your work in a Jupyter Notebook. You can submit your pre-lab quiz to Blackboard as either a .pdf or a .ipynb file.

Work the following problems from Taylor, J. R. (1997) *An Introduction to Error Analysis*. Sausalito, CA: University Science Books

Please note that it is perfectly okay to use Python functions to compute your answers. For example, numpy offers the mean() and std() functions to calculate mean and standard deviation of an array.

- 1. [4 points] Problem 4.10 (page 113).
- 2. [6 points] Problem 4.16 (page 114).

Revised: Thursday 25th October, 2018 13:54

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