

## Grading Rubric: An exploration of spring systems

Physics 113

Winter 2007

### Laboratory Write-up

	Zero points	One point	Two points	Three points
<b>Identifies the objective of the lab and the relevant physics concepts.</b>	No mention is made of objective, and poor understanding of what concepts are relevant.	Attempt is made to present the objective. Discussion of relevant concepts is significantly lacking.	The objective and relevant physics concepts are discussed, but may be too vague or too detailed.	The objective is clearly stated and relevant physics concepts are clearly and concisely presented.
<b>Data collection and analysis are appropriate and complete.</b>	Data presented are not sufficient for the satisfying objective. Experimental method/analysis is absent or difficult to follow.	There may be significant oversights or problems in either the presentation of the experimental methods and data or the analysis.	Data are appropriate, but description of experimental design/analysis may show some inconsistencies or oversights.	Data are appropriate, and the analysis is complete. All key aspects are clearly presented.
<b>Identifies assumptions and/or sources of experimental uncertainty.</b>	No attempt is made to identify uncertainties/assumptions.	An attempt is made to identify uncertainties/assumptions, but the discussion is vague or incorrect.	Most uncertainties/assumptions are identified, with perhaps some minor oversights or incorrect evaluation.	Uncertainties/assumptions are discussed completely and clearly thought out.
<b>Evaluates the results in the context of lab objective.</b>	No evaluation is made about how the results contribute to the overall objective.	An evaluation is made about the result found, but the discussion is incomplete or based on poor reasoning.	Evaluation and discussion is clear, but may be insufficient in some areas.	A clear, complete evaluation of the results is made in the context of the objective.
<b>Presents data in a meaningful way.</b>	No charts and/or graphs are included.	Chart and/or graphs are included but poorly laid out, inappropriate, or incomplete.	Charts and/or graphs are included, but may have minor omissions or require some effort to comprehend. Are not referenced directly in the text.	All important data are presented clearly on charts/graphs that are referenced in the text, but are also understandable to an independent observer.
<b>Communicates the relevant ideas well.</b>	Poorly written or serious errors. Needs significant work.	Reader has difficulty following the discussion due to poor presentation or errors. Frequent use of "weasel words": some, few, big, seems.	Well-written with a few minor errors or failure to be precise with language.	Well-written, easy to follow, complete.