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Rubric for Report #2
Phys 2215 (Hooke's Law)

Student name:

Title (1 point)

/1 Experiment and Date

Introduction/Theory (3 points)

/1 What are the main purposes of this experiment?

/2 Brief summary of the theory of Hooke's Law and how to determine the Hooke's Law limit.

Procedure (5 points)

/4 General description of the experimental method used (noting differences in procedures and goals for each of the 5 questions (i.e. measurements of k and destructive testing)

/1 A simplified sketch of the experimental set up.

Results (12 points)

Summarize your results for the 5 experiments (**include tables and graphs**)

/1 Qu1: Test spring specifications and mass for spring damage.

/4 Qu 2: Average k and its uncertainty for 1st spring (from table and graph) and % comparison

/1 Qu3: Estimation of Hooke's Law limit for 1st spring

/3 Qu4: Average k and its uncertainty for 2nd spring and its Hooke's law limit

/3 Qu5: Average k and its uncertainty for 3rd spring and its Hooke's law limit

Discussion (5 points)

/3 Comparison of the measured average values of k and their uncertainties (for questions 2, 4 and 5) with your expectations

/2 Discussion on how well you were able to estimate the Hooke's law limit for your springs (questions 1 and 3) - referring to graphs/tables of results

General (4 points)

/2 Well written and includes clear graphs and figures

/2 Reveals a good understanding of the experiments

Total (out of 30 points)

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