Do the On-line Assignment “HW #10.”

Pencil-and-Paper problems:
Do the following problems (20 pts. each)

Chapter 38: 70.

S1: Use the same data as in problem 70 to determine the uncertainties in $h$ and in the work function. You may use any data analysis package you like. The WPTools Excel add-in is available on any Physics department Windows computer. You can also use the Excel Tools -> Data Analysis add-in, or Mathematica or any other linear regression package.

Please write neatly and show your work clearly. Staple your pages together.

Academic Honesty

You may use, without proof, any results from your text by simply quoting the result and giving the reference (e.g. equation number or page number). You should understand how that result was obtained, but you need not transcribe the derivation. Similarly, you may use results obtained in class, as long as you give an appropriate acknowledgement.

If you get bogged down with any of the problems, do not hesitate to discuss them with me or with a fellow student. However, if you discuss a problem with anyone (besides me) you should acknowledge that collaboration. Please see the Academic Honesty policy for more information about appropriate and inappropriate collaboration.