

Physics 216: Lab 1 Postlab. Due at the beginning of lab next week (1/24/2017)

1. For the pressure vs. depth data you took in lab, find the uncertainty in the pressure as follows:
 - a) For the first data point propagate the errors (uncertainties) through the calculations to get the uncertainty in the pressure. Show me all the details and identify what you are doing as you go along—including what uncertainties you used as inputs and how you decide on them. If you do it clearly (and symbolically), part b will be easier.
 - b) Fill in the rest of the table. If you do part a symbolically, you can use something handy like excel (or LoggerPro) to repeat the calculation for the remaining data points thus minimizing the extra work.
 - c) Using excel or LoggerPro, remake your graph of Δp vs depth and include the error bars you calculated above. Print out your table of results and your graph to hand in.