Physics 302
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For next week, import the frequency distribution data from each of the sets (10, 25, 100, 250, and 1000 points) into a fitting routine. Using the fitting capabilities to fit a Gaussian function to each frequency distribution. Extract from each fitting, the standard deviation and mean of the corresponding distribution.

Write up your results according to the SPIE format. In the discussion or conclusion comment on the agreement/disagreement between the mean and standard deviation obtained from the spreadsheet and the centroid and FWHM obtained from fitting. Also comment on the dangers of “grab-sampling” compared to taking many data points.