

FIG. 1. z data set as a function of x data set.

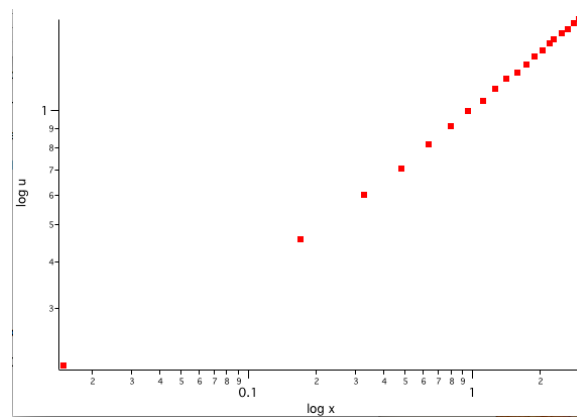


FIG. 2. $\log u$ as a function of $\log x$. $\log u = m \log x + \log b$, where $\log x = 0$, reversing the logs, b is the y value corresponding to $x = 1$

Data Plotting and Fitting Exercise

J.Huang

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1. Simple plot and straight-line fit.
2. Semi-log and log-log plots.
3. Plot data with error bars.
4. Linear least-squares fit.
5. Nonlinear least-squares fits.

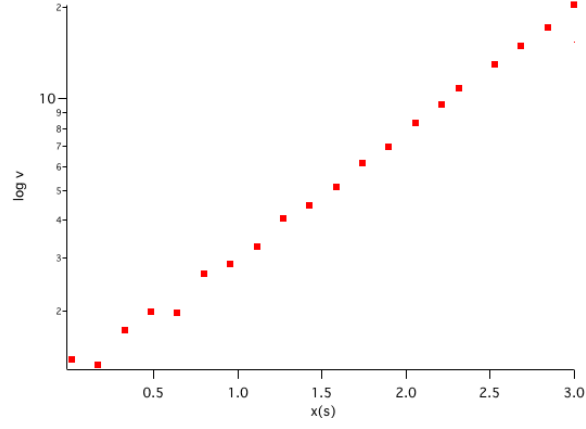


FIG. 3. $\log v$ as a function of x . $\log v = mx + b$

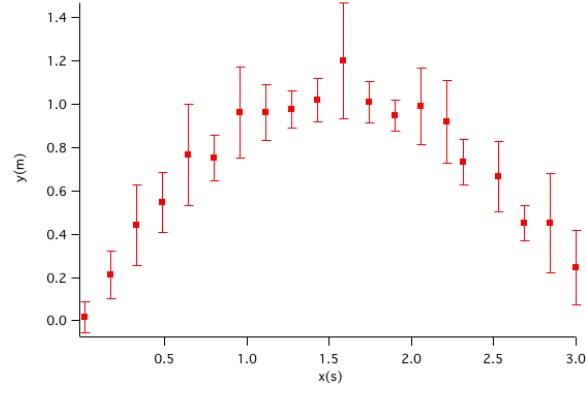


FIG. 4. y data set as a function of x data set, e data set as uncertainties on y direction.

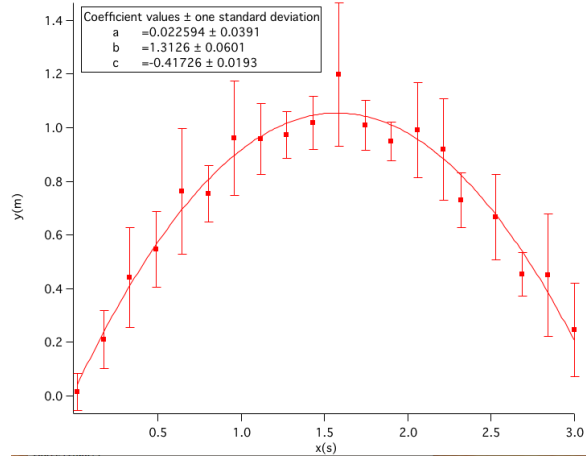


FIG. 5. y data set as a function of x data set, e data set as uncertainties on y direction.

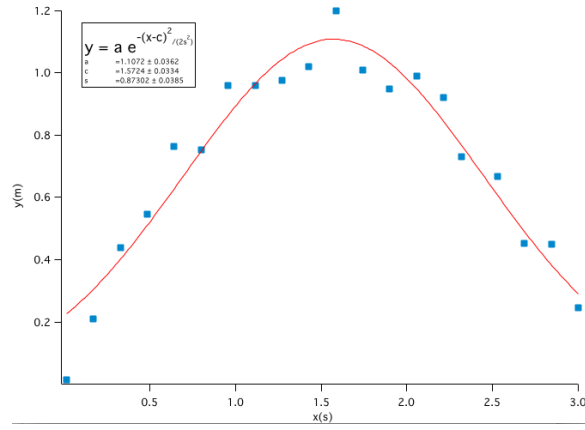


FIG. 6. Gaussian function: y data set as a function of x data set.

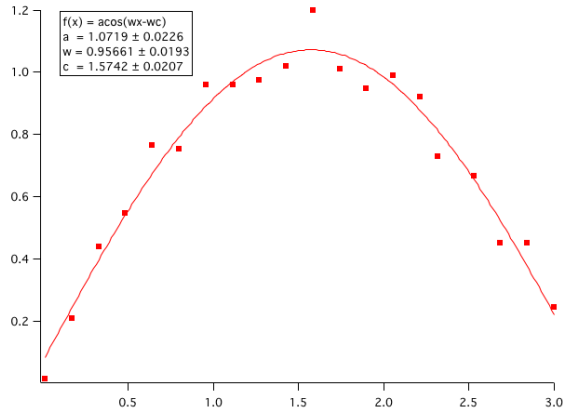


FIG. 7. Cosine function: y data set as a function of x data set.