



Discussion and Observations

- 1. The parameters fluctuate around the true value due to the random noise but as we add more points(nexperiments) the fluctuation becomes smaller. Additionally, as uncertainty increases then the fluctuation increases as well.
- 2. We expect a Chi^2 to be the same as dof and the reduced Chi^2 to be around 1. From the calculations we can see that the mean does in fact come close to dof and the reduced Chi^2 to 1. We can also see that as more data points are added and uncertainties reduced then the stdev decreases. Having a Chi^2 reduced to 1 signifies that the fit is good and the uncertainties are accurate.