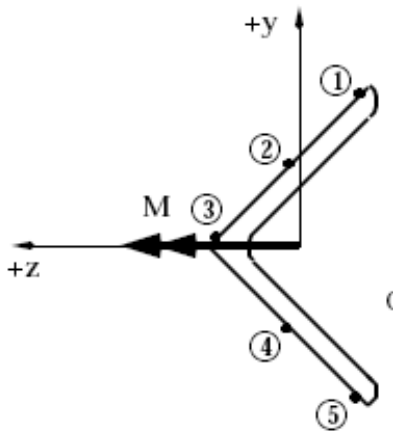
ME556 LAB EXPERIMENT #2
UNSYMMETRIC BEAMS IN PURE BENDING

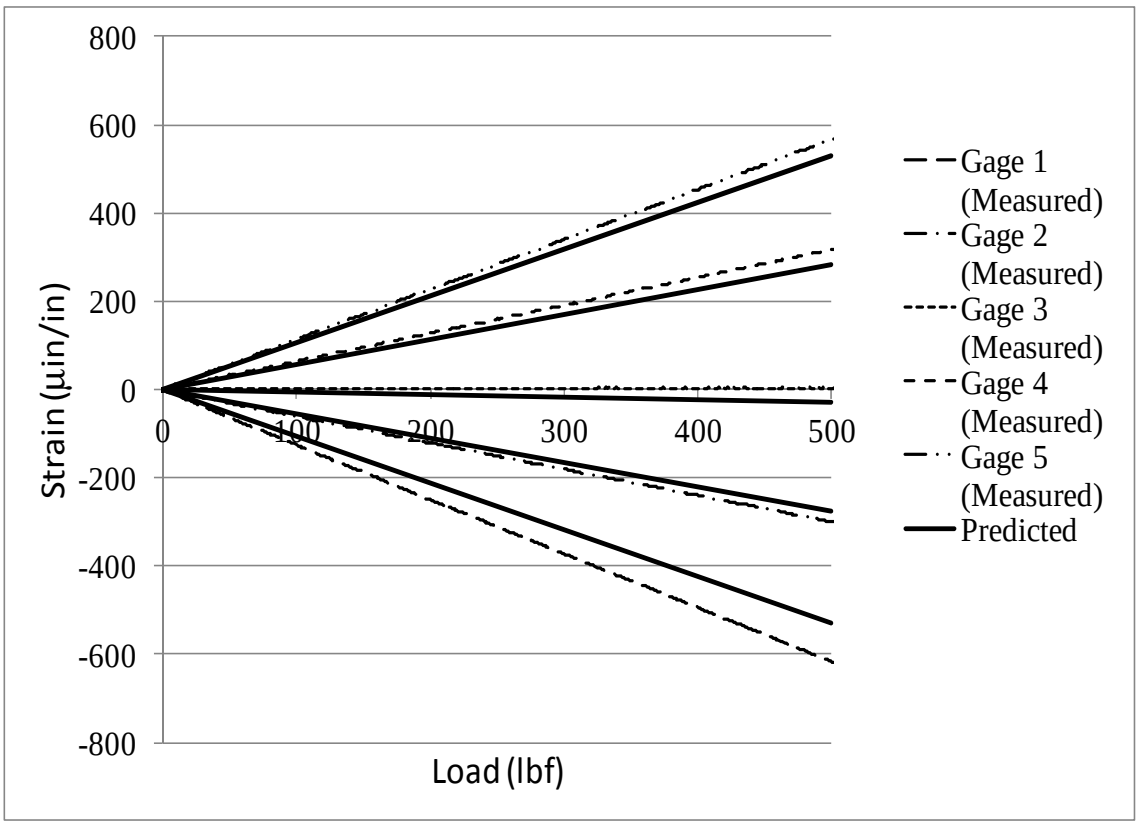
TYPICAL RESULTS

As per the lab handout, "One of the main objectives of this experiment is to compare beam theory with measurement." Hence, as I read your report one of the things I looked for was a comparison between measurement and theory.

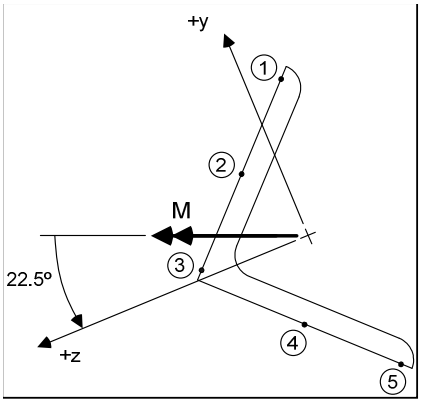
There are many ways that a comparison could be made. At a minimum, measurements and predictions should be plotted *on the same graph*, to make visual comparisons easy. Plots for $\theta = 0^o$, 22.5^o, and -45^o are shown on the following pages. Since multiple data sets were collected by different individual students (or student teams), the data you reported in your report may not be identical to that shown. Still, the data you collected should be "pretty close" to that reported here (assuming you tested at $\theta = 0^o$, 22.5^o, and -45^o).

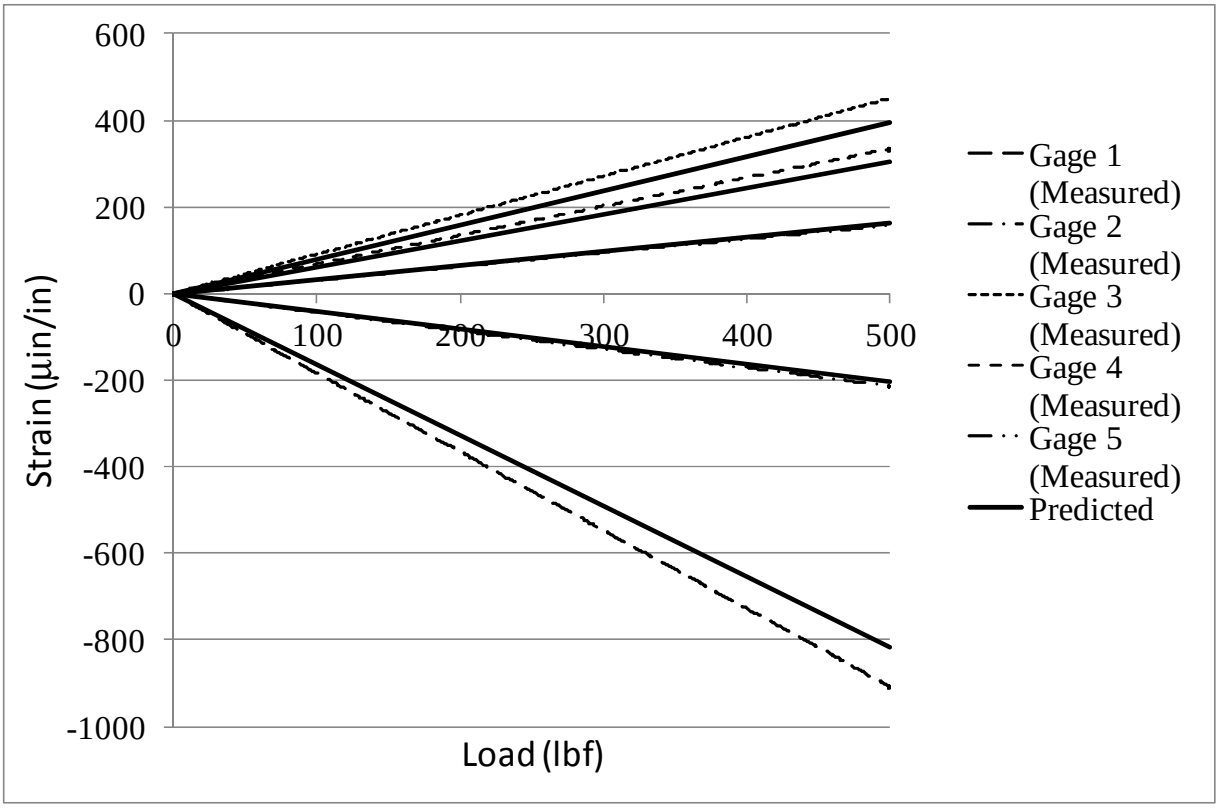
Typical Results for the Beam at $\theta = 0^{o}$





Typical Results for the Beam at $\theta = 22.5^{o}$





Typical Results for the Beam at θ = -45º