Creative Optics Friday Problem:

You (individually) are to observe, measure, quantify, and experiment with some aspect of an optical event observed at home, school, play, amusement park or elsewhere. It should be in a location and a time that allows you to make some measurements (or at least estimate variables).

This optical phenomenon should include something about reflection, refraction, curved and/or flat mirrors, lenses, interference, polarization, diffraction, dispersion, spectroscopy, cameras, telescopes and/or microscopes, corrective optics for eyes, diffraction gratings, LEDs, interferometers, or something else.

You will demonstrate this phenomenon to the class during class on _____. The demonstration should last no longer than 5 minutes. It should consist of the actual event or a picture, video, or model of the event and brief description of the how it works (not quantitative). Turn in a one page written summary of the event. This will, of course, be word processed.

Write a statement about and discuss the phenomenon