

Lab #7A – Waves A

Lab#7A is set up in Roc 402 while Lab #7B is set up in Roc 403. You will switch rooms 90 minutes into the period.

For Lab #7, there is no report and you do not have to hand in your lab notebook copy. Simply upload your worksheets and graphs to Canvas ***before you leave the lab*** and you are finished with physics lab for the semester. The worksheet for Labs 7A & 7B will be graded as a single entity, worth 30 points total.

Lab #7A Waves-A: Interference of Light Waves

The picture below shows the basic setup. Use the grey metal boxes as screens.



Section D.3.1 on Diffraction Gratings

Realizing that there may be few sunny days in Cleveland for the remainder of this semester (and that some of you are taking lab after the sun sets), we are supplying a picture from a sunny afternoon in November 2003 when the diffraction grating on top of Crawford Hall was very bright.

The Crawford Grating

This series of pictures were taken at 12:30 pm on Nov. 20, 2003 within minuets of each other from slightly different angles. No special filters or digital manipulation were used.

