

Oberlin College Physics 212, Fall 2021

Assignment 5:

Waves II; Complex Arithmetic

Wednesday, 3 November

Problems: Due Wednesday, 10 November. There are eight problems here, more than I usually assign, but the last six are relatively easy. (Yet they are still worth 10 points each. This is a good problem assignment to boost your grade.) The first two problems are from the *Notes on Waves*, the final six problems are from *Invitation to Quantum Mechanics*.

- problem 5.2: *Interferometry: Using light waves as a ruler*
- problem 6.1: *Character of the single-slit diffraction intensity curve*
- all six problems C.1 through C.6 in appendix C, “Complex Arithmetic”, from *Invitation to Quantum Mechanics*