

MAS450 Lab #6 pre-lab questions

In Lab 6, you'll be making off-axis master holograms that you will use for several more labs. The images you create with these masters will yield transfer holograms that you can show to your friends, family, and others in the adoring crowd that will doubtless follow you. So it's prudent to think about how to make this image be the best it can be.

Before you come to lab, please do the following exercises:

1. Think about what makes a good object for off-axis holography. Look over the lab notes for some hints for this specific hologram.
2. Reviewing the off-axis holograms we've made in class so far (Lab #0, which you didn't set up, and Lab #5, which had limited control over beam ratios), sketch a setup for making an off-axis master hologram. The lab notes contain lots of details. Remember that your object (as well as the hologram) has to be on its side so that we can later match the angles for overhead illumination while staying parallel to the table top.