
LAB 10 PRE-LAB

1. State the thin lens equation in the form of $1/f = \underline{\hspace{2cm}}$. (This is how to find the focal length of a lens from measurement of the object and image distances d_o and d_i)

2. Solve the thin lens equation for f when the object is an infinite distance away, $d_o = \infty$. (This should give an expression for f in terms of d_i .)

3. Solve the thin lens equation for d_o when $d_o = d_i$. (This should give an expression for d_o in terms of f .)