

EE 6315 Engineering Optics
Professor Duncan MacFarlane
Homework Set 2
Due Saturday, October 20, 2012

Problem 1. O'Shea p85 #2.9, Telescope (5 points).

In addition to answering the questions in the text, code the telescope in Oslo. Print and comment on the layout, the spot diagram at focus, the point spread distribution function at focus, the MTF at focus. Describe the aberrations in the system.

Problem 2. O'Shea p175 #5.11 Ramsden Eyepiece (5 points).

In addition to answering the questions in the text, code the eyepiece in Oslo. Print and comment on the layout, the spot diagram at focus, the point spread distribution function at focus, the MTF at focus. Describe the aberrations in the system.