## **Homework 6** Due 5:00 pm on Thursday, Feb. 26, 2015

1) (10 pts) Complete Geary's chapter 9 homework problem to design a transmission sphere with diffraction-limited on-axis performance for use in interferometric testing.

**2)** (10 points) Complete Geary's chapter 10 homework problem to calculate Seidel coefficients for  $3^{\rm rd}$ -order spherical aberration.