5.7 Homework

Given the triplet prescription as illustrated in Figure 5.17 and for an object at infinity with a $\overline{U} = 14°$ field, find:
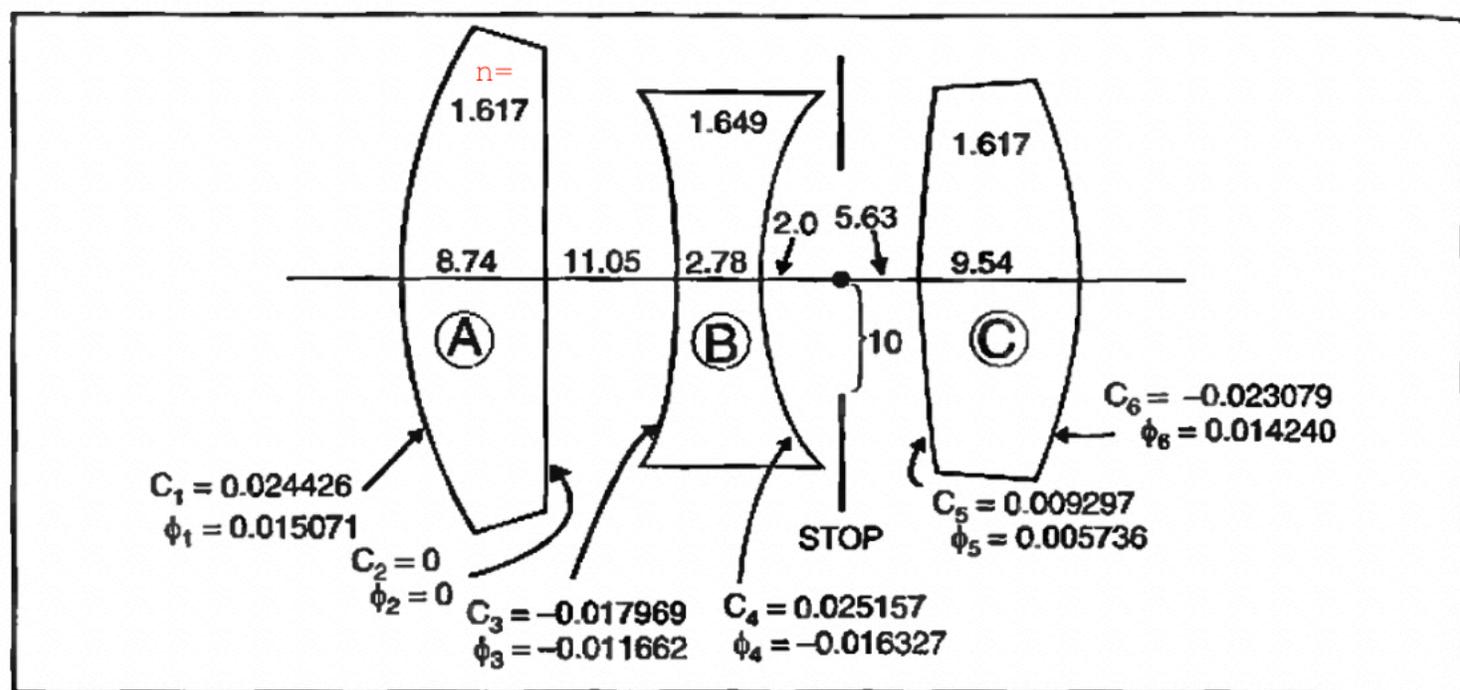

Fig. 5.17 *From W. Smith,* Modern Optical Engineering, *(McGraw-Hill, 1990). Reprinted with permission from the McGraw-Hill companies.*

    a. the size and location (relative to stop) of the entrance pupil using PRTE;

    b. the starting heights and angles on surface 1 for the marginal and chief rays, again using PRTE;

    c. draw an illustration of the lens showing data calculated in parts a and b.