Homework 5

Challenge 1 (b)

Use chrome ball on which the brightest spot is used to identify the direction of the light.

$$N_x = P_x - C_x$$

$$N_y = P_y - C_y$$

$$N_x = \sqrt{R^2 - N_x^2 - N_y^2}$$

R is the reflection direction taken as [0,0,1].Px,Py is the location of the brightest point on the chrome image. Cx,Cy is the center of the chrome in image.