Image in an Eye

$f_R' = 22.4$ mm $n' = 1.336$

$f = f_R'/n' = 16.77$mm

$\phi = .0596$ /mm

Imaging: $z = -1000$ mm $n = 1.00$

$$\frac{n'}{z'} = \frac{n}{z} + \phi = -.001 + .0596$$

$$\frac{n'}{z'} = .0586 \text{ /mm}$$

$$m = \frac{z'/n'}{z/n} = \frac{1/.0586}{-1000} = -.0171$$

$h' = m h$ $h = 20$mm

$h' = -.341$ mm (inverted)