

y-focus

$$\frac{1}{R_{OUT}} = m \frac{\lambda_2}{\lambda_1} \left( \frac{1}{R_{obs}} + \frac{1}{R_{ref}} \right) + \frac{1}{R_{ill}}$$

$$m = \text{order} = 1$$

$$1/R_{OUT} = 1 \cdot \frac{496}{515} \left( \frac{1}{10} + \frac{1}{10} \right) - \frac{1}{10}$$

$$1/R_{OUT} = .9631(.2) - .1 = .0926$$

$$R_{OUT} = 10.80$$

$$1/R_{OUT} = 1 \cdot \frac{488}{515} \left( \frac{1}{10} + \frac{1}{10} \right) - \frac{1}{10} = .0895$$

$$1/R_{OUT} = .9475(.2) - .1 = .0895$$

$$1/R_{OUT} = 1 \cdot \frac{476}{515} \left( \frac{1}{10} + \frac{1}{10} \right) - \frac{1}{10}$$

$$1/R_{OUT} = 1 \cdot \frac{476}{515} \left( \frac{1}{10} + \frac{1}{10} \right) - \frac{1}{10}$$

$$1/R_{OUT} = .9243(.2) - .1 = .0849$$

$$R_{OUT} = 11.78$$

$$1/R_{OUT} = 1 \cdot \frac{458}{515} \left( \frac{1}{10} + \frac{1}{10} \right) - \frac{1}{10}$$

$$1/R_{OUT} = .8893(.2) - .1 = .0779$$

$$R_{OUT} = 12.84$$