Measurement of EOM Ray Transfer Matrix

Measured Optical Path Length of the Newport EOM for 532 by Beam Profiling

$$\begin{pmatrix} 1 & L(n_x - 1) \\ 0 & 1 \end{pmatrix} = \begin{pmatrix} 1 & 2.6\ \text{cm} \\ 0 & 1 \end{pmatrix}$$

$$\begin{pmatrix} 1 & L(n_y - 1) \\ 0 & 1 \end{pmatrix} = \begin{pmatrix} 1 & 3.9\ \text{cm} \\ 0 & 1 \end{pmatrix}$$

L: Length of the crystal in EOM

n_x: Refractive index for x

n_y: Refractive index for y



