

In general  $\begin{bmatrix} y_2 \\ \theta_2 \end{bmatrix} = \begin{bmatrix} A & B \\ C & D \end{bmatrix} \begin{bmatrix} y_1 \\ \theta_1 \end{bmatrix} = \begin{bmatrix} Ay_1 + B\theta_1 \\ Cy_1 + D\theta_1 \end{bmatrix}$ To Form an image at y, all rays should converge at y 2. i. Y is independent of O. B=0 [image formation] if a = do; b = di a + b + ab = 0 = do + di + dodi = 0 dodi = -do - di f = -di - di









