

Similarity of Using

$$\frac{PQ \cdot J_2}{Q_2} = J_1 0.$$

Rs ≈ J<sub>1</sub> B

and real.

2. Bs should be at focus of L1 to avoid main beam to interfare with scattered beam. At focus main beam will converge as it is close to principal axis hence parallel to principal axis. 3.  $q_2 = EFL_2$  as to get property focused

- Just before focus of L1, image will be real and between focus & curvature. -, If object at focus of L1, image will

be at infinity.

So 
$$\theta_{max} \implies Object very close to four (for simplicity at four).$$

$$\begin{array}{c}
O_{\text{max}} = \frac{P_i P_L}{EFL_2} \left( \frac{EFL_1}{J_2} \right) \\
OR \\
OR \\
e EFL_1
\end{array}$$

Using their Value

0<sub>max</sub> = 40° = 0.7°

for  $P_i P_L = 600 \text{ pixel}$ 

EF4 = 15mm

EFL2 = 25.43 mm

Omy = 48.7° = 0.85° for PiPL = 600 pixels.

Using our values.

their paper.

$$EFL_1 = 15mm$$

$$EFL_2 = 25.43mm$$

We get, 
$$\frac{1}{J_2} = \frac{600 \times 0.0048}{25.43 \times 15 \times 0.85}$$

$$\frac{1}{J_2} = \frac{112.58 \text{ mm}}{25.43 \times 13 \text{ mm}}$$

$$J_{2} = 9271 \approx 92 \text{ mm}$$

$$J_{2} = 112.58 \text{ mm} \approx 113 \text{ mm}.$$

$$J_{3} = 112.58 \text{ mm} \approx 113 \text{ mm}.$$

$$J_{4} = 15 \text{ mm}$$

$$J_{5} = 112.58 \text{ mm} \approx 113 \text{ mm}.$$

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