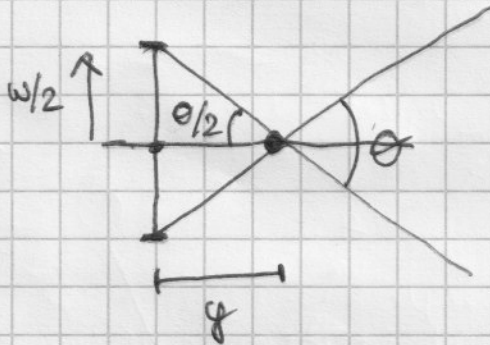


2.5



$$\tan \frac{\theta}{2} = \frac{w}{2f}$$

$$\theta = 2 \arctan \frac{w}{2f}$$

$$w = 35 \text{ mm}, f = \frac{50 \text{ mm}}{100 \text{ mm}} \rightarrow \theta = 2 \arctan 0.35 = \frac{38.6^\circ}{19.9^\circ}$$

