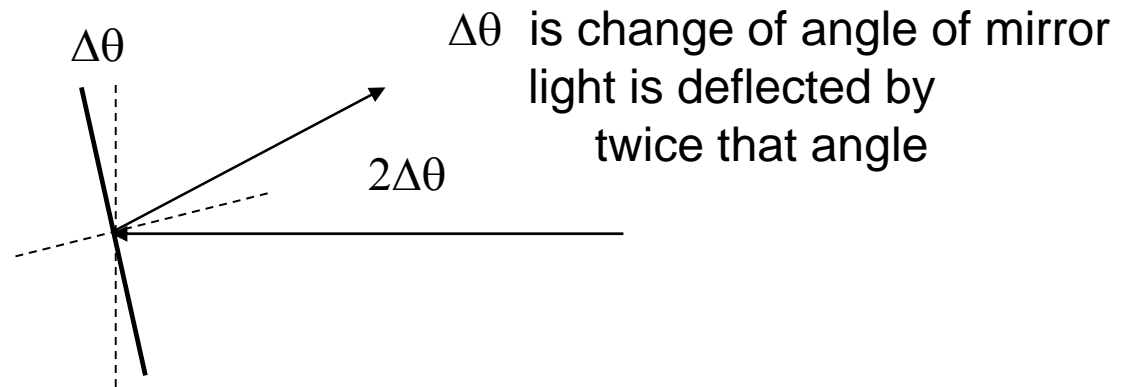
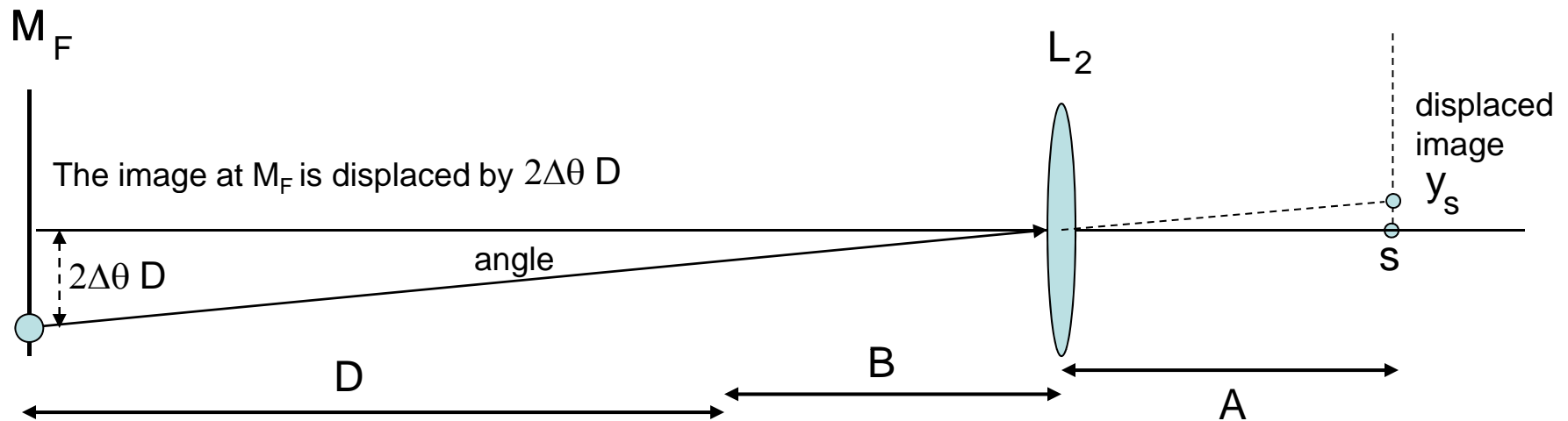


$$\Delta t = 2D/c$$

$$\Delta\theta = \omega \Delta t = \omega 2D/c = 2D\omega/c$$





$$\text{Angle} = \frac{2\Delta\theta D}{D+B} = \frac{y_s}{A} = 4D^2 \omega/c(D+B)$$

$$\Delta\theta = \omega \Delta t = \omega 2D/c = 2D\omega/c$$

$$2 \Delta\theta D = 4D^2 \omega/c$$

$$c = 4AD^2/(D+B) (\omega/y_s)$$

Define $P = 4AD^2/(D+B)$

$$c = P \omega/y_s$$

Measure s' for a set of values of ω

$$y_s = s' + y_0 \quad \text{the offset } y_0 \text{ is not known}$$

$$c y_s = \omega P \quad \text{where } P = 4AD^2/(D+B)$$

$$c y_0 + c s' = \omega P$$

Plot s' against ω

the slope $ds'/d\omega$ is P/c