

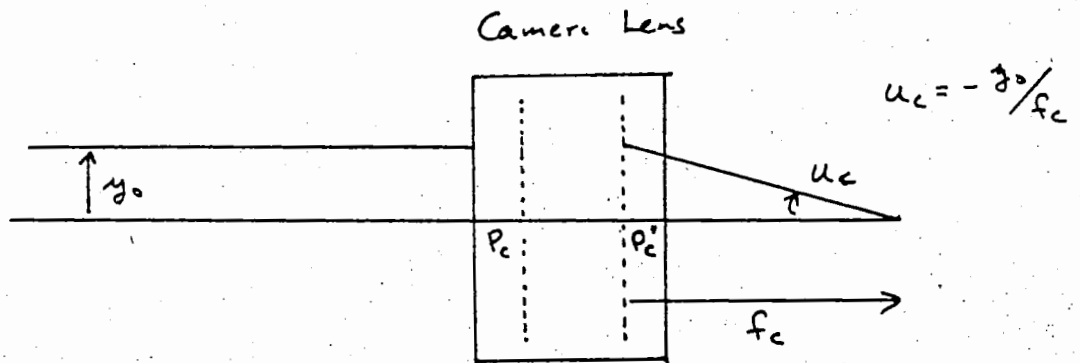
Afocal Adapter

Sketched for $MP < 1$

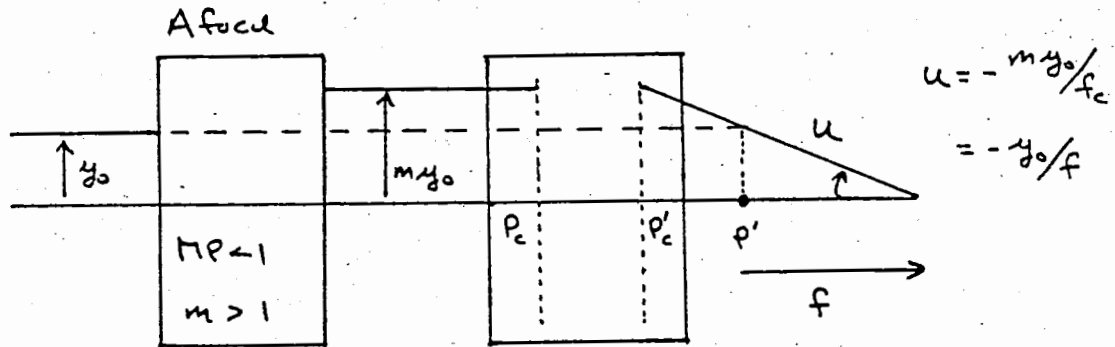
Show the marginal ray

$$MP = 1/m$$

Without



With



The marginal ray angle in image space increases by $1/MP = m$

$$u = -y_0/f = -m y_0/f_c$$

$$f = f_c/m = MP \cdot f_c$$