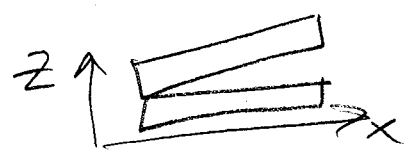
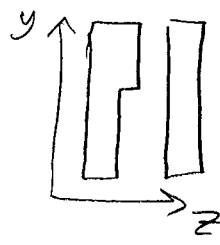
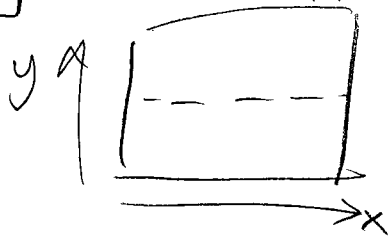


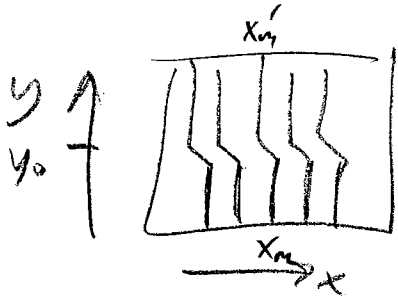
Pbs  
5-129

Sett uppifrån

Läs  
kap. 7-7



$\alpha$



Int. mönster

b) Interferens  $\Lambda = 2t(x_m) = (m + \frac{1}{2})\lambda$  för max

Utan film: ( $y < y_0$ )  $t(x_m) = x_m \tan \alpha \approx x_m \alpha$

Med film: ( $y > y_0$ )  $t(x) = x_m \alpha + \Delta h$

Med:  $2x_m \alpha = (m + \frac{1}{2})\lambda$

$$2x'_m \alpha + 2\Delta h = (m + \frac{1}{2})\lambda$$

$$\Rightarrow 2\Delta h = 2x'_m \alpha - 2x_m \alpha$$

$$\Delta h = (x'_m - x_m) \alpha$$