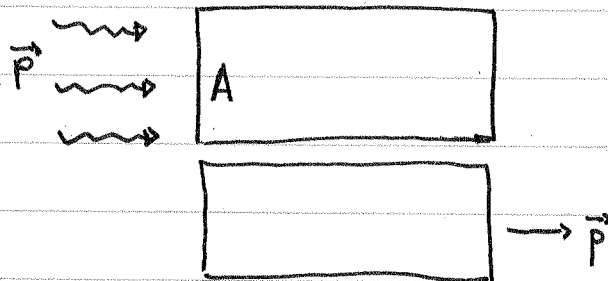


Midlere impuls som treffer areal A på tid $\Delta t = \Delta x / c$:

$$\langle \Delta p \rangle = \langle \pi \rangle \cdot A \cdot \Delta x = \langle \pi \rangle \cdot A \cdot c \cdot \Delta t$$

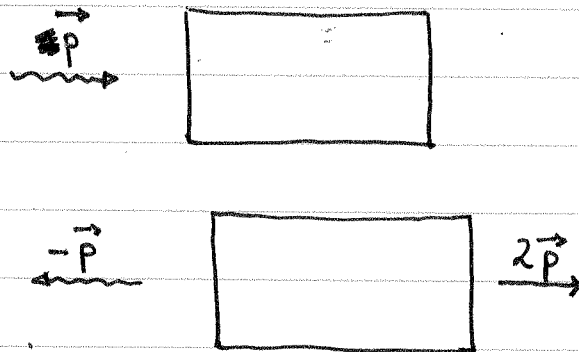
Tilsvarende et strålingstrykk (fra e.m. bølgen på flaten A):

$$P_{\text{rad}} = \frac{\langle F \rangle}{A} = \frac{\langle \Delta p \rangle / \Delta t}{A} = \langle \pi \rangle c = \frac{\langle S \rangle}{c} = \frac{I}{c} = \epsilon_0 \langle E^2 \rangle$$



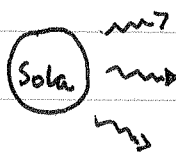
Har her antatt
total absorpsjon.

Dersom total refleksjon:



$$\Rightarrow P_{\text{rad}} = 2 \frac{I}{c} = 2 \epsilon_0 \langle E^2 \rangle$$

Eks:



$$P_{\text{rad}} \sim 10^{-6} \text{ N/m}^2 \ll P_{\text{atm}} = 10^5 \text{ N/m}^2$$