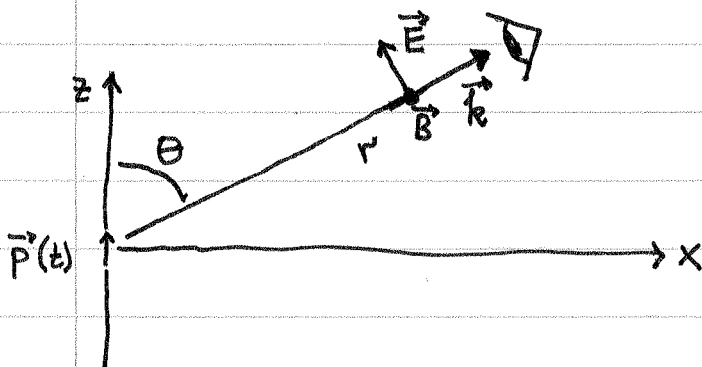
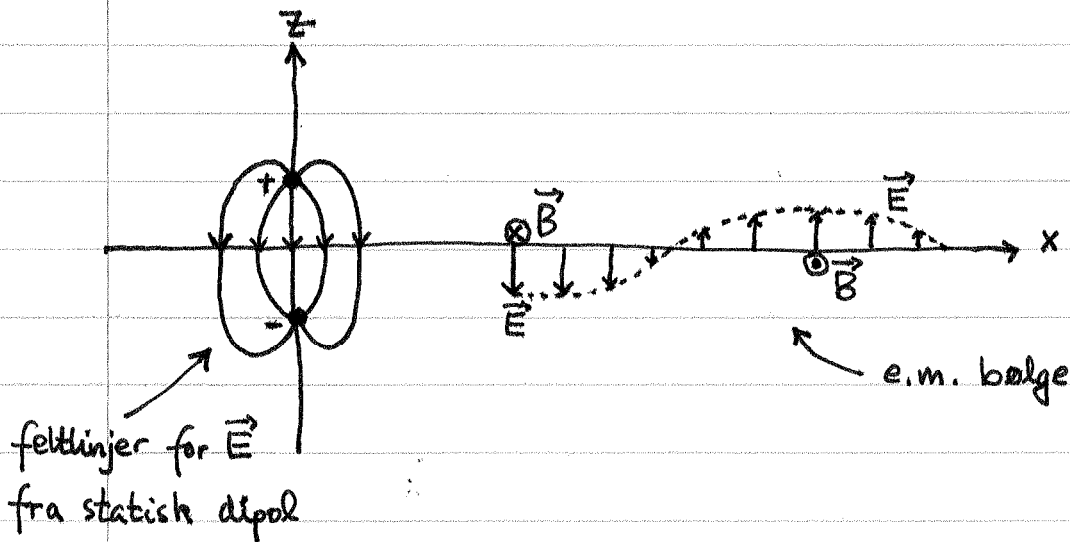
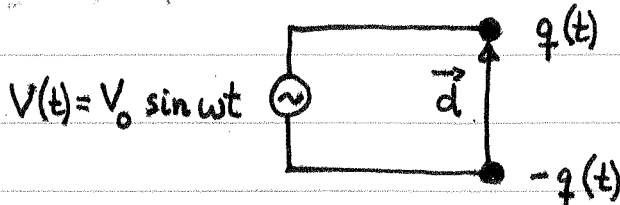


Stråling fra oscillerende dipoler (LHL 28.7, TM 30.3) (83)

Akselererte ladninger sender ut el. magn. bølger

Eks: Oscillerende elektrisk dipol $\vec{p} = q \vec{d}$
 $= q_0 \vec{d} \sin \omega t$
 $= \vec{p}_0 \sin \omega t$



$\oint \langle \vec{S} \rangle \cdot d\vec{A} =$ midlere utsendt energi pr tidsenhet, må være uavhengig av r

$$\Rightarrow I(r) \sim 1/r^2 \Rightarrow E(r) \sim 1/r \quad (\text{langt unna})$$

$$(\text{og } B(r) \sim 1/r)$$