





orentz force:	$ec{F}=q\cdot(ec{E}+ec{v} imesec{B})$
ontinuity equation:	$\operatorname{div}\vec{j} + \dot{\rho} = 0$
nergy density:	$w = \frac{1}{2} \left( \vec{D}\cdot \vec{E} + \vec{B}\cdot \vec{H} \right)$
nergy flux density:	$ec{S} = ec{E}  imes ec{H}$ with Intensity $I = \langle S  angle_t$
hm's law:	$ec{j} = \sigma(ec{r})  ec{E}$ with conductivity $\sigma$



