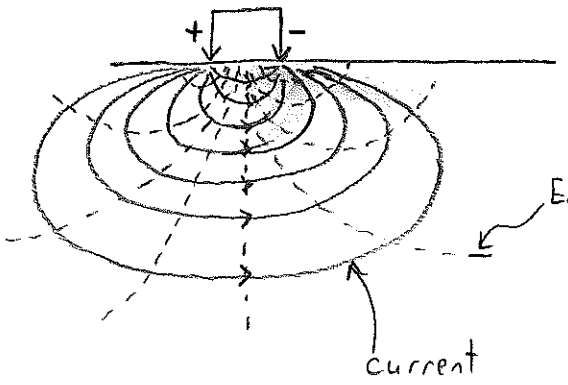
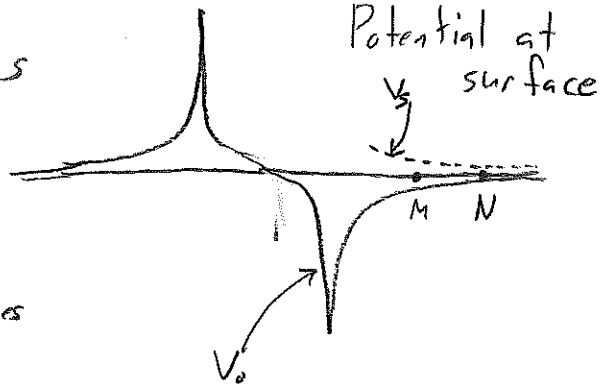
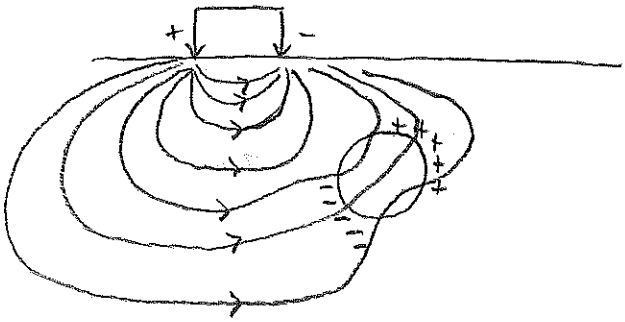
DC Physics





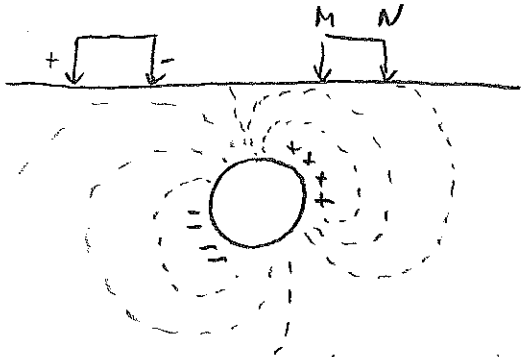
$$V = \frac{I\rho}{2\pi r}$$

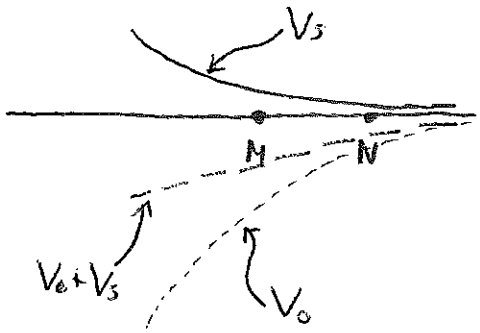
* What does V_o look like?
* What does V_o look like at surface?
* What do currents look like $\quad E = -\nabla V$



* What happens if buried conductor?
* Build up of charges?

$$J(\rho_2 - \rho_1) = \frac{\tau}{\varepsilon_0}$$





* What is secondary potential like?
* What is secondary at surface near

* Is V_s add to or opposing V_o?
* Is ΔV +ve or -ve

$$\rho_a = \frac{|\Delta V| G}{I}$$

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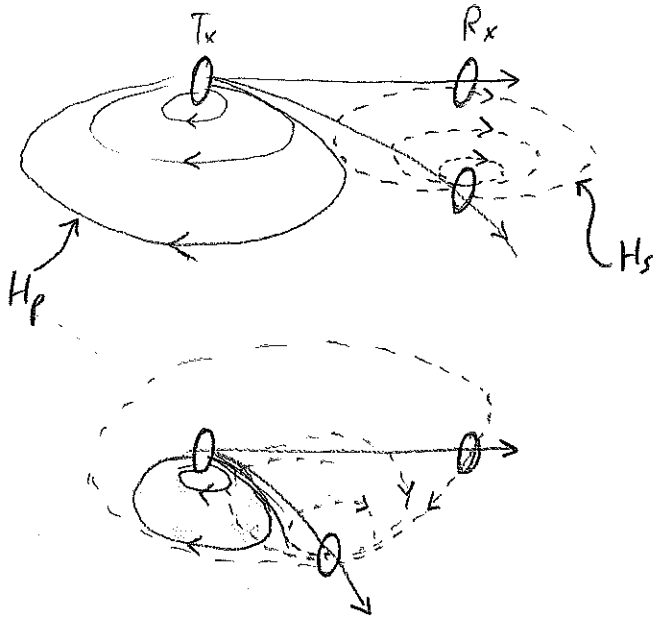
EM Question



If $\alpha = 0.5$. More imaginary
$\Rightarrow$ Bigger quadrature component.