

Problem 2-13

$$\oint_{\text{gs}} \vec{E} \cdot d\vec{A} = \frac{q_{\text{enc}}}{\epsilon_0} \Rightarrow E(2\pi sh) = \frac{\lambda h}{\epsilon_0} \Rightarrow \vec{E} = \frac{\lambda}{2\pi\epsilon_0 s} \hat{s}$$