

$$\begin{array}{cccc}
& \overline{\nabla} \, \overline{D} = 0 & \overline{D} = 6220. \\
& \widehat{\Lambda} \, (\overline{D}_2 - \overline{D}_1) = 0 & \overline{D} = 6.2 & \overline{D}_2 & \overline{D}_1 = \overline{D}_2
\end{array}$$

•
$$\overline{E_1} = \frac{1}{1}$$
 \overline{B} $\overline{E_2} = \frac{1}{1}$ \overline{D} $\overline{E_2}$

•
$$V_g = \phi(h_1) - \phi(h) = \int_0^h E_2 dz = E_2 h_2$$

•
$$V_1 = V_1 + V_2 = D \left(\int_0^{h_1} \frac{dz}{\epsilon_1(z)} + \frac{h_2}{\epsilon_2} \right)$$

$$\frac{1}{P_{i}} = \frac{\xi_{i}(z) - \xi_{o}}{\xi_{i}(z)} \quad 0 \stackrel{?}{z} \qquad \frac{P_{o}}{P_{o}} = \frac{\xi_{2} - \xi_{o}}{\xi_{0}} \quad 0 \stackrel{?}{z}$$

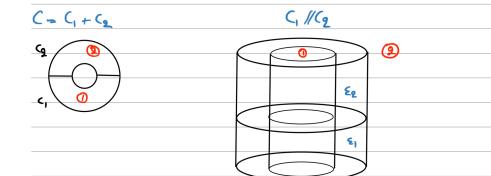
$$\frac{\sigma_{\rho}(z=0)=-\hat{z}\hat{\beta}_{\rho}^{\rho}=\frac{\varepsilon_{\rho}(0)-\varepsilon_{\rho}}{\varepsilon_{\rho}(0)}$$

$$\frac{1}{C} = \frac{1}{S} \int_{0}^{\alpha_{1}} \frac{d_{2}}{\xi_{1}(z)} + \frac{k_{2}}{\xi_{2}S} \Rightarrow \frac{1}{C} = \frac{1}{c_{1}} + \frac{1}{c_{2}}$$

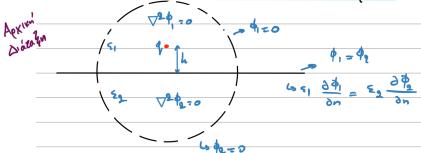
$$\frac{\int_{N}^{\infty} (\widehat{E}_{0} - \widehat{E}_{1}) = 0 \implies \underline{A}_{1} \qquad \underline{A}_{2} \qquad \forall r \in (a, b)}{\widehat{\epsilon}_{1}}$$

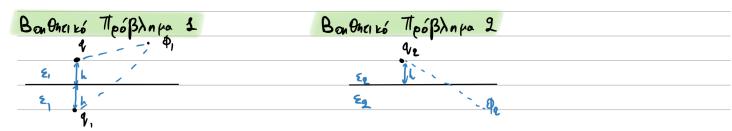
•
$$\overline{E}_1 = \frac{V}{r \ln(b/a)} \hat{F}_2 = \frac{V}{r \ln(b/a)} \hat{F}_3$$

- · D, = E, e E, a
- $\frac{\phi_{1}(r) \phi_{1}(b) = \phi_{2}(r) \phi_{2}(b) = \int_{r}^{b} f_{1} dr = V \frac{h_{1}(b/r)}{h_{1}(b/a)}$
- $\vec{P}_{1,2} = \vec{O}_{1,2} \epsilon_0 \vec{E}_{1,2}$ $\vec{P}_{1,2} = \nabla \cdot \vec{P}_{1,2}$ (Suvolitá 6 σ_{ϱ})

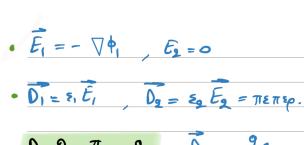


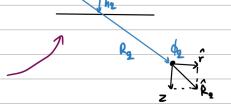
2.4 Médodos zur sidulaur oz Sindskepikó



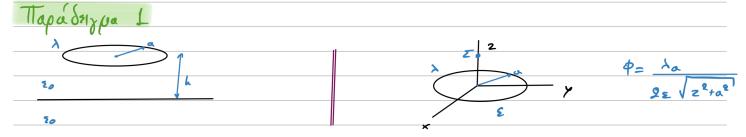


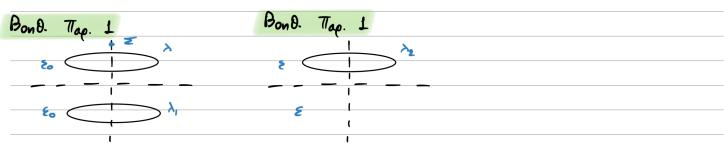
- $\frac{\Phi_{1}}{\Psi_{1}} = \frac{1}{\Psi_{1}} \left(\frac{\Psi_{1}}{\chi^{2} + y^{2} + (z-h)^{2}} + \frac{\Psi_{1}}{\chi^{2} + y^{2} + (z+h)^{2}} \right)$
- $\phi_{2} = \frac{1}{4\pi\epsilon_{2}} \sqrt{x^{2}+y^{2}+(z-h)^{2}}$
- ε₁ ε₂
- $\frac{\partial}{\partial z} \left(\frac{1}{\rho} \right) = \frac{1}{2\pi i} \left(\frac{1}{x^2 + y^2 + h^2} \right)^{\frac{3}{2}}$ $\frac{\partial}{\partial z} \left(\frac{1}{z} \right) = \frac{1}{2\pi i} \left(\frac{1}{x^2 + y^2 + h^2} \right)^{\frac{3}{2}}$ $\frac{\partial}{\partial z} \left(\frac{1}{z^2 + y^2 + h^2} \right)^{\frac{3}{2}} = \frac{1}{2\pi i} \left(\frac{1}{x^2 + y^2 + h^2} \right)^{\frac{3}{2}}$ $\frac{\partial}{\partial z} \left(\frac{1}{z^2 + y^2 + h^2} \right)^{\frac{3}{2}} = \frac{1}{2\pi i} \left(\frac{1}{x^2 + y^2 + h^2} \right)^{\frac{3}{2}}$ $\frac{\partial}{\partial z} \left(\frac{1}{z^2 + y^2 + h^2} \right)^{\frac{3}{2}} = \frac{1}{2\pi i} \left(\frac{1}{x^2 + y^2 + h^2} \right)^{\frac{3}{2}}$ $\frac{\partial}{\partial z} \left(\frac{1}{z^2 + y^2 + h^2} \right)^{\frac{3}{2}} = \frac{1}{2\pi i} \left(\frac{1}{x^2 + y^2 + h^2} \right)^{\frac{3}{2}}$ $\frac{\partial}{\partial z} \left(\frac{1}{z^2 + y^2 + h^2} \right)^{\frac{3}{2}} = \frac{1}{2\pi i} \left(\frac{1}{x^2 + y^2 + h^2} \right)^{\frac{3}{2}}$
- $\phi_{1} = \frac{1}{\sqrt{x^{2} + y^{2} + (2-h)^{2}}} + \frac{1}{\sqrt{x^{2} + y^{2} + (2+h)^{2}}}$











•
$$\overline{E}_{i} = - \nabla \phi_{i} = \frac{\lambda_{a}}{2 \epsilon_{0}} \sum_{z=h}^{z-h} \frac{z}{(z-h)^{2} + a^{2}} + \frac{\epsilon_{0} - \epsilon}{\epsilon_{0} + \epsilon} \frac{z+h}{(z+h)^{2} + a^{2}}$$

•
$$\overline{E_2} = -\nabla \phi_2 = \frac{\lambda}{2-h} \frac{2-h}{(2-h)^2+a^2} \frac{2}{3\sqrt{2}}$$