$$dW_{ext} = \Delta V dq = \frac{9}{c} dq \Rightarrow W_{ext} = \int_{0}^{q} \frac{1}{c} dq' = \frac{1}{2} \frac{1}{c} \frac$$

$$Q = Q(\Delta V)$$

$$F = R \Delta x$$

$$\begin{aligned}
U_{\epsilon} &= \frac{1}{2} C \Delta V^{2} = \frac{1}{2} \frac{\epsilon_{o} \sum_{k} E^{2} h^{2}}{k} E^{2} h^{2} = \frac{1}{2} \epsilon_{o} E \sum_{k} E^{2} T \\
&= M_{e} T, \quad M_{e} = \frac{1}{2} \epsilon_{o} E^{2} \\
&= \int_{T} U_{e} = \int_{T} M_{e} dT \\
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&= \int_{$$

$$\frac{dW = F_{\times} dx = -dU_{e} = 0}{F_{\times} = -dU_{e}} = 0$$

$$\frac{dW = F_{\times} dx = -dU_{e} = 0}{F_{\times} = -dU_{e}} = 0$$

$$\frac{dW}{dx} = \frac{1}{2} = \frac{1}{2} = 0$$

$$\Delta V = \frac{\sigma_{\circ}}{\varepsilon_{\circ}} (h-d) < \Delta V_{\circ}$$

$$\Delta V = Eh$$

$$\Delta V_o = E_o h$$

$$E_{\bullet} - E_{P} = \frac{G_{\circ}}{E_{\circ}} - \frac{G_{\circ}}{KE_{\circ}} = \frac{G_{\circ}}{E_{\circ}} \left(1 - \frac{1}{K}\right) - \frac{G_{\circ}}{E_{\circ}} \left(\frac{K - 1}{K}\right) = \frac{G_{\circ}}{E_{\circ}} \frac{\chi}{\chi + 1} / \frac{\chi = K - 1}{\text{SUSCETTIVITA}}$$

$$E_{\bullet} - E_{\bullet} = \frac{G_{\circ}}{E_{\circ}} - \frac{G_{\circ}}{KE_{\circ}} = \frac{G_{\circ}}{E_{\circ}} \left(1 - \frac{1}{K}\right) - \frac{G_{\circ}}{E_{\circ}} \left(\frac{K - 1}{K}\right) = \frac{G_{\circ}}{E_{\circ}} \frac{\chi}{\chi + 1} / \frac{\chi = K - 1}{\text{SUSCETTIVITA}}$$

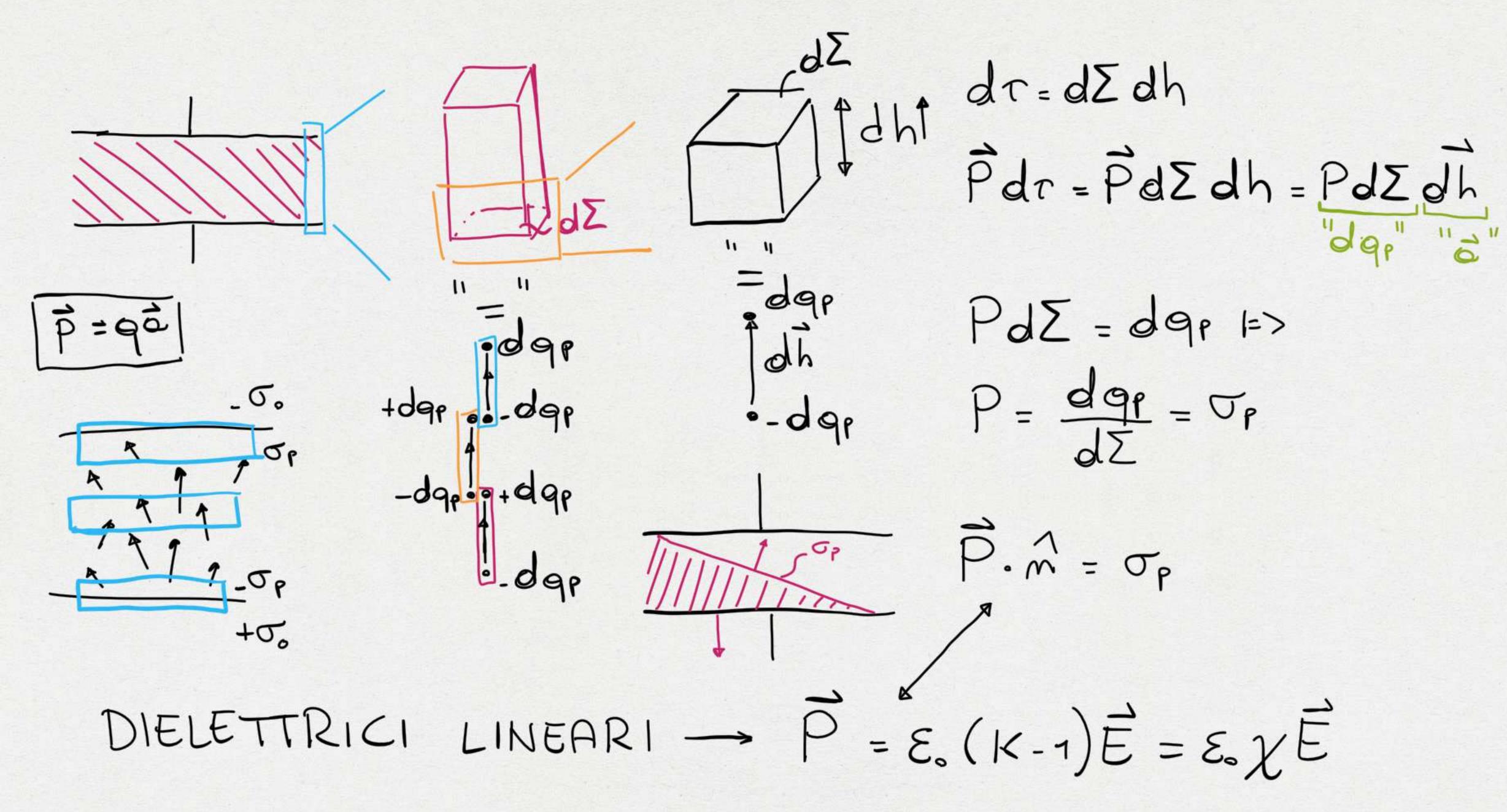
$$E_{\bullet} - E_{\bullet} = \frac{G_{\circ}}{E_{\circ}} - \frac{G_{\circ}}{KE_{\circ}} = \frac{G_{\circ}}{E_{\circ}} \left(1 - \frac{1}{K}\right) - \frac{G_{\circ}}{E_{\circ}} \left(\frac{K - 1}{K}\right) = \frac{G_{\circ}}{E_{\circ}} \frac{\chi}{\chi + 1} / \frac{\chi}{SUSCETTIVITA}$$

$$E_{\bullet} - E_{\bullet} = \frac{G_{\circ}}{E_{\circ}} - \frac{G_{\circ}}{KE_{\circ}} = \frac{G_{\circ}}{E_{\circ}} \left(1 - \frac{1}{K}\right) - \frac{G_{\circ}}{E_{\circ}} \left(\frac{K - 1}{K}\right) = \frac{G_{\circ}}{E_{\circ}} \frac{\chi}{\chi + 1} / \frac{\chi}{SUSCETTIVITA}$$

$$E_{P} = E_{\bullet} \Theta E_{\bullet} = \frac{\sigma_{\bullet}}{\varepsilon_{\bullet}} - \frac{\kappa - 1}{\kappa} \frac{\sigma_{\circ}}{\varepsilon_{\circ}} = \frac{\sigma_{\bullet}}{\varepsilon_{\circ}} \Theta \frac{\sigma_{e}}{\varepsilon_{\circ}}$$

POLARIZZAZIONÉ

$$N(\vec{p}) = \vec{p}_{-0\tau}$$
, $\vec{p} = \frac{N}{T}(\vec{p}) = \frac{V \in T \cap RE}{T}$ POLARIZZABIONE $= m \langle \vec{p} \rangle$ $||\vec{E}||$



 $=\int_{S}^{2} \frac{1}{2} + \int_{S}^{2} \frac{1}{2} = \int_{S}^{2} \frac{1}{2} \cdot \hat{n} d\Sigma = \int_{S}^{2} \frac{1}{2} \cdot \hat{n$ \ P. m d Z = (E,E+P). Ad \(= 9. F) E,E+P = D DIELETTRIC

$$\int_{S} \hat{D} \cdot \hat{n} d\Sigma = 9^{\circ}$$

$$\widehat{D} = \widehat{E} + \widehat{P} = \widehat{E} + \widehat{E} + \widehat{E} \times \widehat{E} = \widehat{E} + \widehat{E}$$

COSTANTE DIELETTRICA ASSOLUTA