

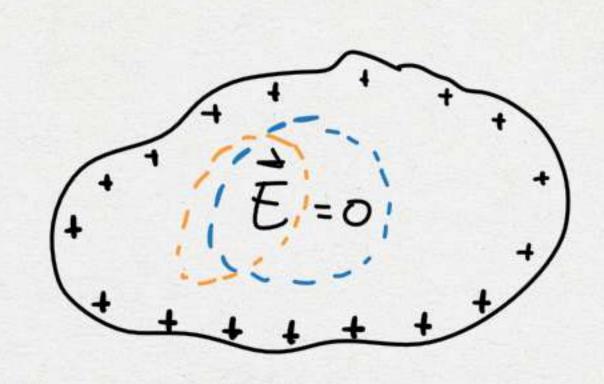
$$\frac{1}{2} = 0 = \frac{Qz}{z} \Rightarrow Qz = 0$$

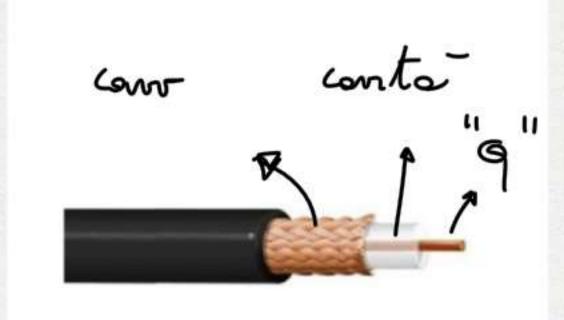
$$\oint_{C,1} \vec{E} \cdot d\vec{s} = \iint_{C,1} \vec{E} \cdot d\vec{s} + \iint_{C_{L}} \vec{d}\vec{s} = \iint_{C_{L}} \vec{E} \cdot d\vec{s} \neq 0$$
parcle \vec{E} a conservative

$$\int_{\Sigma} \frac{1}{\epsilon} \cdot \hat{A} d\Sigma = 0 = \frac{Q_{\Sigma}}{E_{n}} = \frac{1}{\epsilon} (q + q_{x})_{E}$$

$$Q_{\Sigma} = \frac{1}{\epsilon} (q + q_{x})_{E}$$

9x corice di industione 9x corice libera





$$V(R_1) - V(R_2) = \begin{cases} e_1 \\ E(n) d_2 = \frac{9}{4\pi\epsilon_0} \left(\frac{1}{R_1} - \frac{1}{R_2}\right) = \frac{9}{4\pi$$

$$=\frac{9}{4\pi\epsilon}\left(\frac{R_2-R_1}{R_1R_2}\right)=V_{int}-V_{\epsilon st}$$

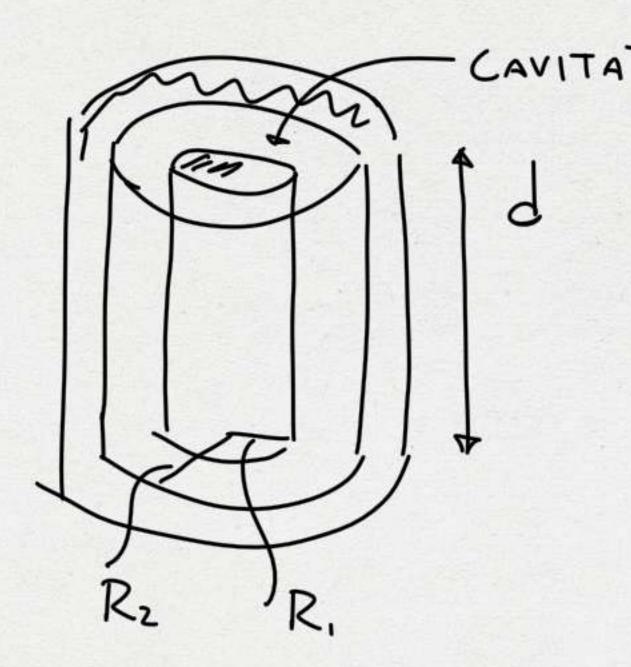
CONDENSATORE

STERI CO

CAPACITÀ C =
$$\frac{9}{\Delta V}$$

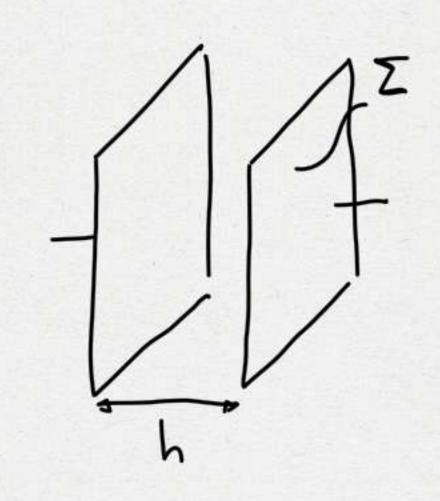
$$\frac{1}{2} \frac{4\pi \epsilon_0 R_1 R_2}{R_2 - R_1}, \quad [C] = \frac{C}{V} = F \left(FARAD\right)$$





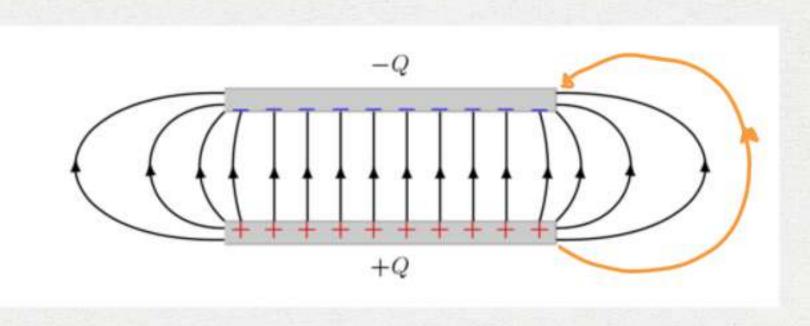
$$C = \frac{9}{2\pi \epsilon.d}$$

$$\frac{2\pi \epsilon.d}{\log(\frac{R^2}{R_1})}$$



$$E = \frac{5}{\epsilon_n}$$
, $\Delta V = \frac{5}{\epsilon_n}h \Rightarrow$

$$C = \frac{9}{\Delta V} = \frac{9 \, \epsilon_0}{5 \, h} = \frac{9 \, \Sigma_0}{9 \, h} = \frac{\Sigma_0}{h}$$



ELEMENTI CIRCUITALI
CI

$$C = \frac{9}{\Delta V} = \frac{9}{2} = \frac{0}{2} = \frac{0}{2}$$

$$Q_{1} = C_{1} \triangle V = C_{1} (V_{A} - V_{3})$$

$$Q_{2} = C_{2} \triangle V$$

$$= C_{1} (V_{A} - V_{3})$$

$$= C_{1} (V_{A} - V_{3})$$

$$= C_{2} \triangle V$$

$$Q_1 + Q_2 = (C_1 + C_2) \Delta V$$

$$\overline{U}$$

$$Q_{eq} = C_{eq} \Delta V$$

2 IN SERIE
$$V_A = \frac{1}{2} V_B = \frac{1}{2} V_A$$

$$Q = C \Delta V_1 \Delta V_2 = \frac{1}{2} \Delta V_1 \Delta V_2$$

$$V_A - V_C = V_A (-V_B + V_B) - V_C = (V_A - V_B) + (V_B - V_C)$$

$$\Delta V_1 = \frac{Q}{C_1}, \Delta V_2 = \frac{Q}{C_2}$$

$$\Delta V_1 + \Delta V_2 = Q \left(\frac{1}{C_1} + \frac{1}{C_2}\right) = \Delta V = \Delta V = \frac{Q}{C_2}$$

$$C_{2Q} = \frac{C_1 C_2}{C_1 + C_2}, C_{2Q} = \frac{1}{C_1} + \frac{1}{C_2}$$

