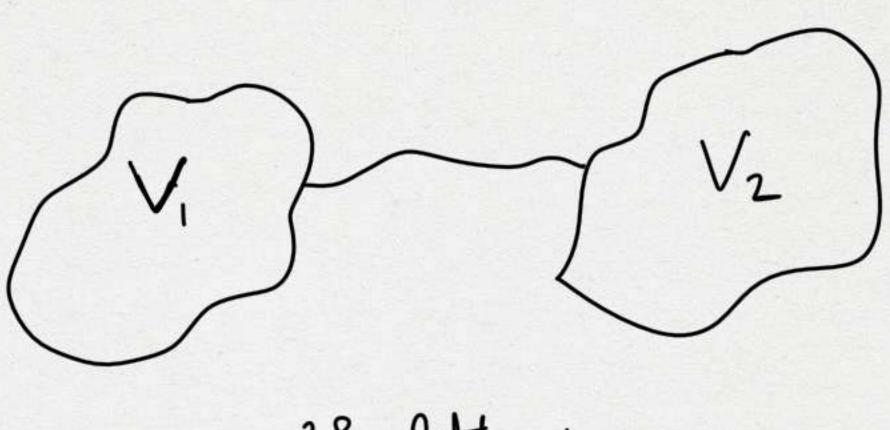
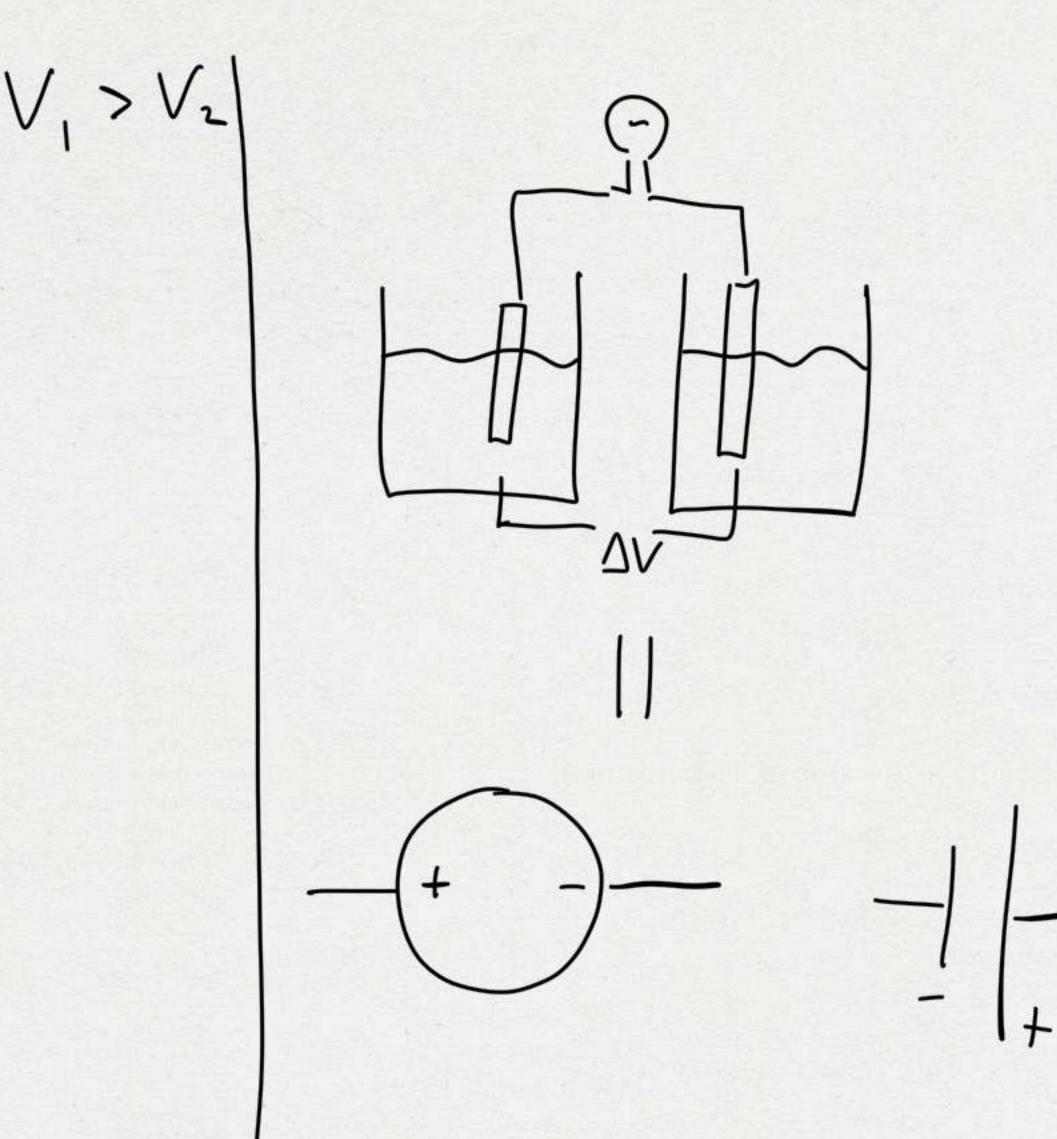
4 NOVEMBRE 14:30 AULA AMALDI CU013 14-16



$$m \sim 10^{28} \frac{\text{elettrom}}{m^3}$$
 $1el=1.6 \cdot 10^{-19} e$



MODELLO DI DRUDE

l~ 4.10°m, ~~ 10°m/s, E~ 10°2 /m V2~ 10 m/3 = 10 v , Vd << v , Nd = - ETE $V_{1} = \frac{\Delta q}{\Delta t} \xrightarrow{\Delta t} \frac{dq}{\Delta t} = i$ n demitat d'elettroni all = vadt de [=) Fi vid dNe = mdV=mvddtdΣcost dq = -en vodt d\(\int cost = -e dNe

$$\frac{dq}{dt} = -\text{MeV}_{d} \cos\theta d\Sigma = di$$

$$\hat{f} = -\text{MeV}_{d} \text{ denoted discontents}$$

$$di = \hat{f} \cdot \hat{A} d\Sigma \Rightarrow i = \int_{\Sigma} di = \int_{\Sigma} \hat{A} d\Sigma = \Phi(\hat{f}) = i$$

$$\hat{f} = -\text{MeV}_{d} = \frac{m^{2} \hat{A}}{m} \hat{E} LEGGE DI OHM$$

$$\vec{f} = \frac{me^2 \tau}{m} \vec{E}$$
 oppure $\vec{E} = \frac{m}{me^2 \tau} \vec{f}$

CORRENTE ELETTRICA STAZIONARIA

$$\frac{1}{A} = \frac{1}{A} = \frac{1}$$

$$\Delta V = \int_{A}^{B} \vec{E} \cdot d\vec{s} = \int_{A}^{B} e^{\frac{1}{2}} d\vec{s} = e \int_{A}^{B} J ds = e \int_{A}^{B} \vec{E} ds = e \int_{A$$

$$|E| = |Ri|, R = |Ri|, GENERICAMENTE R = \int_{R}^{R} \frac{1}{E} |R| = \int_{R}^{R} \frac{$$

RESISTENZA

$$[\Delta V] = [R][i] \Rightarrow V = [R] \frac{C}{5} = [R] A \Rightarrow [R] = \frac{V}{A} = -\Omega$$

$$[G] = \frac{J}{S} = W WATT$$

$$W = \int_{S}^{t} G dt' = \int_{s}^{t} Ri^{2} dt'$$

RESISTORI/RESISTENZE PARALLELO SERIE