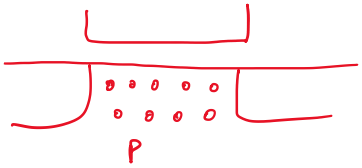


$N_A = 10^{24}\ m^{-3}$

$L = 15\ mm$

$W_d \cong 20\ mm$

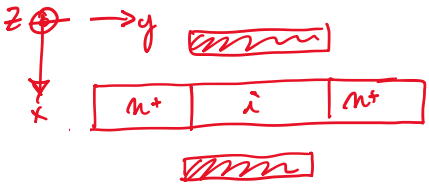
$W = 100\ mm$

Numero di drogo atti $= N_A \cdot L \cdot W_d \cdot W \cong 30$

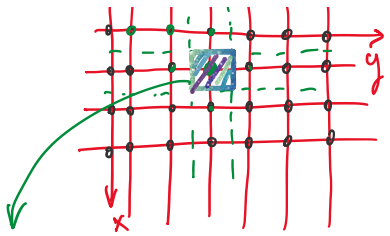
$$\nabla \cdot (\varepsilon \nabla \phi) = -q\rho$$

$$\rho = \left[p - n + N_D^+ - N_A^- \right]$$

NMOS $\Rightarrow$ $\rho = -\left[n + N_A^- \right]$



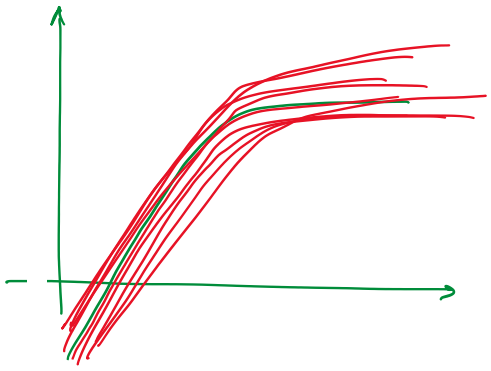
$$\frac{\delta^2}{\delta z^2} = 0$$



$$\frac{\delta^2 \phi}{\delta x^2} + \frac{\delta^2 \phi}{\delta y^2} = -q\rho$$

i segua una distribuzione di POISSON

Sarà associato un volume ΔV_i

$i \Rightarrow N_A \cdot \Delta V_i$

$$N_{Ai} = \frac{f(N_A \cdot \Delta V_i)}{\Delta V_i}$$