

$$V_0 = V_p - \frac{1}{2} V_r \quad V_0 = V_p e^{-t/RC}$$

Alle fine della scarica :

$$V_p - V_r \sim V_p e^{-T/RC}$$

$$\text{Puis } RC \gg T \Rightarrow e^{-T/RC} = 1 - \frac{T}{RC}$$

$$\Rightarrow V_r = V_p \frac{T}{RC}$$

$$V_r = V_p / f \cdot RC \quad \text{et} \quad \Delta V \rightarrow \text{ripple} \approx V_r$$

o plus simplement :

$$I_L = C \frac{\Delta V}{\Delta t} = \frac{V_p}{R}$$