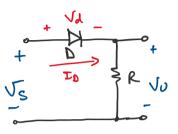
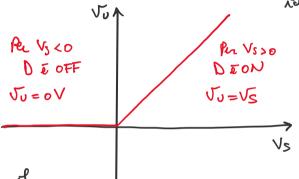
Prendiano un arcento a diodo:



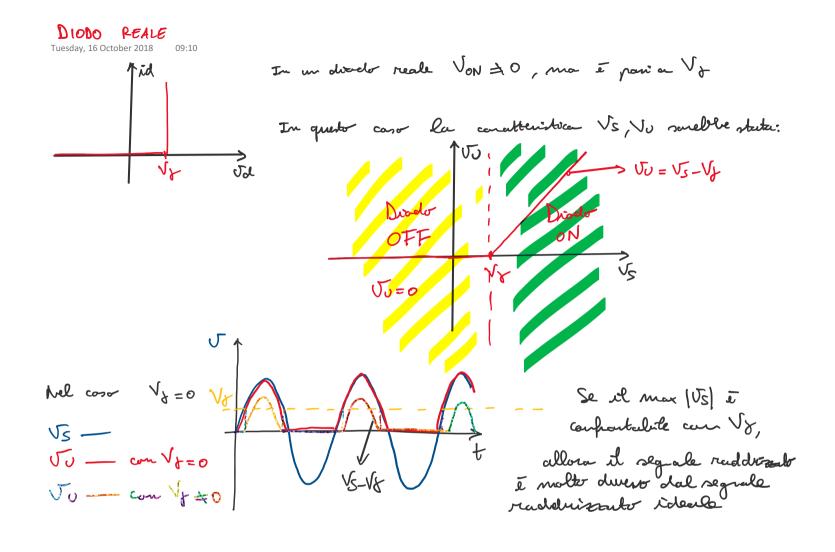
La conattentica rignesso mater à (se il disdo t villable con Vy =0 V)

> → Vil



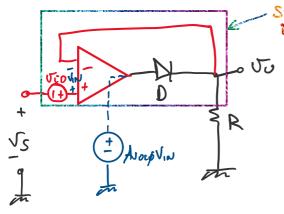
小玩

auto puelt allians assents per ol disde ma carattenitica ID, ND ideale



SUPER DIODO [PADPRIZANTORE CONFIGURAZIONE SERIE]

Tuesday, 16 October 2018



DIODO [SEDRA - SHITH]

Avreno che:

Vs + V20 = V1N + VU

Supposizione de il disodo ablica Vov = Vo. Avreuro albra

JU = Avorb VIN - Vy

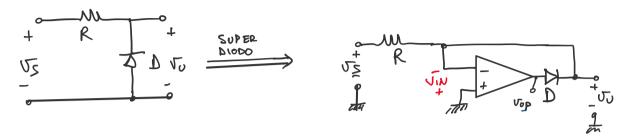
Ju = Avold [Vs+Vio-Ju] - Jy => Ju [1 + Avold] = Avold [Js+Vio] - Vy

Downlendo per [1+ Avoid]

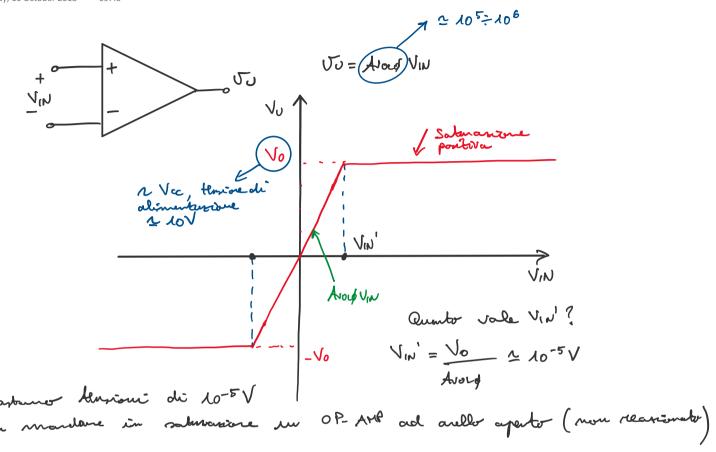
repaire 5ml Ju = Us+Vio - Vt 1 Vs + Vio

Rispetto al caso peredente, la situanione è metaulamente migliorente puché vio « Vo => VUIVS

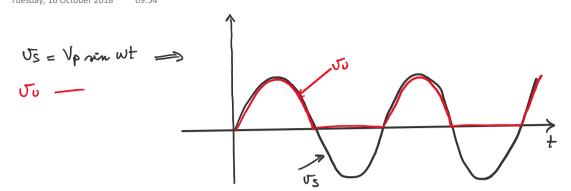
Tuesday, 16 October 2018



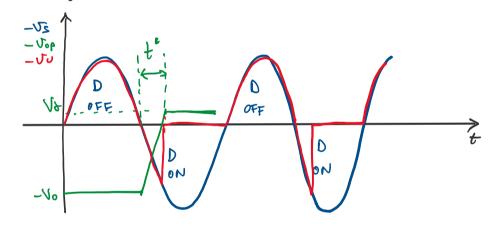
- · Se US >0 => VIN <0 => D sour OFF => Uu = VS Se il diado é cyerto, l'openionale non é reasonato = (é in salussione. Sovet in sakuranone negativa
- . Se VS CO > VIN > O > D soma ON > OP-AMP è in reconome > Vanca il CCV => 50 = OV



DIODO PARALEIO Tuesday, 16 October 2018 09:54



Il grafier à cornette solo per figuerse medir-lasse.



Se D & OFF

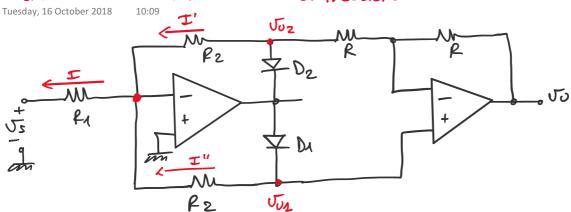
$$Q = \frac{1}{\sqrt{0 + \sqrt{k}}} \implies + = \frac{\sqrt{0 + \sqrt{k}}}{\sqrt{0 + \sqrt{k}}}$$

Fintanto che T>> t* => non redo il priceo negular o in altre parole

f << 0 Vo + Vr

ren de patran | f << 10 kHz

A DOPPIA SEMIONDA DI PRECIONE RADDRIZZATORE



- Se $U_5 > 0$ \Rightarrow $D_2 = 0N$ e $D_A = 0FF <math>\Rightarrow$ $U_{02} = -\frac{P_2}{P_A}U_5$ $U_{02} = 0V$ per $x^2 CCU$ \Rightarrow $U_{02} = -\frac{P_2}{P_A}U_5$
- Se Vs <0 => D2 ē OFF e D, ē ON

$$\begin{cases}
I = I' + I'' \\
I = \frac{|U_S|}{R_A}
\end{cases}$$

$$R_2(I - I') = (R_2 + R)I' \Rightarrow R_2I = (2R_2 + R)I' \Rightarrow I' = \frac{R_2I}{(2R_2 + R)}$$

$$(2R_2 + R_2)I'$$

$$V_0 = (2R + R_2)R_2I = \frac{2R_2 + R_2}{(2R_2 + R_2)} \cdot R_2 \cdot \frac{|U_S|}{R_A}$$
Se $R = R_2 \Rightarrow V_0 = \frac{R_2}{R_2}V_5$

Se R=R2 => Vu = R2 V5 Se P=P2 offerejo un raddissature di precisione a dappia servionala