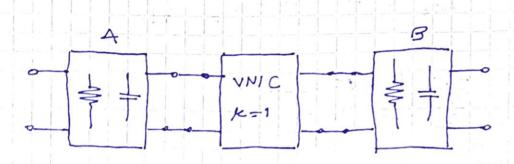
Trabajo Semenal Competitivo.



Demostrer que la ... trasimpede o cia del circuito . en vacio es:

$$\frac{Vz}{T_1}\Big|_{T_2=0} = \frac{1}{2} \frac{1}{224} \cdot \frac{1}{218}$$

les parametros "T". Depo:

$$T = \begin{pmatrix} A_A : B_A \\ C_A : D_A \end{pmatrix} \begin{pmatrix} -1 & 0 \\ 0 & \frac{1}{K} \end{pmatrix} \begin{pmatrix} A_B & B_B \\ C_B & D_B \end{pmatrix}$$

. Sabiendo que la transimpedancia es el parametro Z_{21} = $\frac{V_2}{T_1}$, busaro les perametres T con les celes pued conseguir

la equistercia

$$221 = \frac{1}{C}$$
 (- AA .BA/K) (AB BB)
$$C = -AB \cdot CA + DA \cdot CB$$

$$C = -\frac{2118}{2218} \frac{1}{K} \frac{1}{2214} + \frac{1}{12224} \frac{2224}{2214} \frac{1}{K} \frac{1}{2218}$$

$$C = -\frac{2118}{1228} \frac{1}{K} + \frac{1}{2224} \frac{1}{K} \frac{1}{2214} \frac{1}{2218}$$

$$C = -\frac{2118}{1228} \frac{1}{K} + \frac{1}{2224} \frac{1}{K} \frac{1}{2218} \frac{1}{K} \frac{1}{2218}$$

$$K = \frac{2}{118} \frac{1}{K} + \frac{1}{2224} \frac{1}{K} \frac{1}{2218} \frac{1$$

 $\frac{Q(5)}{D(5)} = \frac{(5+1)(5^2+8+1)}{(5-1)(5-1)(5-1)}$ (8+0/5) (5+2) (8+3) K00 = 1. (S+1)(82+5+1) . 1/10. 57-015 (8+2)(5+3) (S+1) (52+5+1) 57-2 (S+0,5)(S+3) $\lim_{s \to -3} \frac{(s+1)(s^2+s+1)}{(s+2)(s+2)} \to \frac{-28}{5}.$ 57-3 (5+0/5)(8+2) 722A = 1+ 1/10 + 2 -> Descompenço 5+0/5 + 5+2 con Carer Z11B = 28/5 -> R1/C. 1/10 (S+2) + 2 (S+ 1/2) 722A= 1+. (8+1/2) (8+2). 72A = 17 52+ 55+ 1 (8+1/2)(8+2) 21 S+ 6/5 21 St 6 10 St 5.

