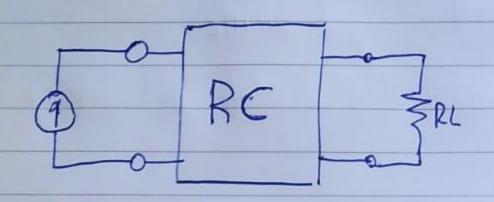
Tores Semanal 12



$$-I_2 = H. \frac{5^2 + 5s + 4}{5^2 + 8s + 12}$$
 $E_{21} = 6H$

La Carga PL impone la condición Vz = -Iz. Pl distinto del cuadripolo. Por ello vacos a buscar una síntesis de Función de tratación por parotoetros Z

$$T_{15} = \frac{Z_{21}}{1+Z_{22}} \Rightarrow Z_{22} = \frac{Z_{21}}{T_{15}} - 1 = \frac{6W}{1} \cdot \frac{S^2 + 9S + 12}{W \cdot 1S^2 + 5S + 4}$$

Z22 5 (S+2) (S+6,5) (S+4)(S+1)Como tuvos un genosor Corouzar en desiración. (5+4)(5+1)- Vorsos aques carcelar dos coos de transfersos, a - 1 y - Rusourges polo en 1 Ahora varas a buscar el pala Nos juedo un resistor en derivación

$$z_{22} = \frac{5.(s+z)(s+6,s)}{(s+4)(s+1)}$$
 $z_{22} = \frac{6.(s+6,s)}{(s+6,s)}$ $z_{22} = \frac{6.(s+6,s)}{(s+6,s)}$

$$Z_{22} = \frac{5S_{+}^{2}}{(S+4)} \frac{43S_{+}}{(S+1)}$$

$$\frac{K_1}{5+V} \Rightarrow R_1 = \frac{K_1}{V} \qquad C_1 = \frac{1}{K_1}$$

$$R_2 = 10 \qquad C_3 = \frac{1}{10}$$

$$Z_2 = Z_{22} - \frac{10}{5+1} = \frac{55^2 + 435 + 68 - 10(5+4)}{(5+4)(5+1)} = \frac{55^2 + 335 + 28}{(5+4)(5+1)}$$

$$Z_{2} = \frac{5(S+1)(S+28/5)}{(S+4)(S+1)} = \frac{5(S+28/5)}{S+4}$$

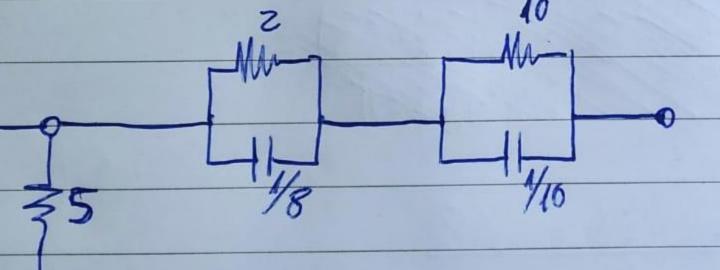
$$Lim (S+4), 5|S+28/5| = 8 |K_2| > R_2=K_2=2$$

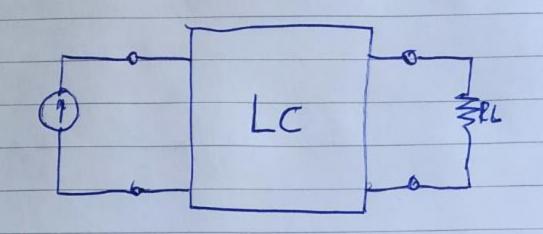
 $S \rightarrow -4$ $S+4$ $S+4$

Cz=1=1

$$\frac{23 - 5(S + 28/3)}{S + 4} = \frac{5(S + 28/5) - 8}{S + 4}$$

$$Z_{3} = 55 + 20 = 5$$
 \Rightarrow Tornin, u $R_{3} = 5$
 $5 + 4$





$$T_{1}S_{1} = \frac{V_{2}}{\mathbf{I}_{1}} = \frac{K(s^{2}+9)}{s^{3}+2s^{2}+2s+1}$$

Con la condición
$$Iz = -\frac{V_2}{R_L}$$

$$\frac{\sqrt{2}}{\pm 1} = \frac{221}{1 + 222}$$

$$\frac{V_2 - Z_{21} - K.(s^2 + 9)}{I1 + Z_{22} + S^3 + 2S^2 + 2S + 1}$$

$$M(s) + V(s) = S^3 + 2S^2 + 2S + 1 \Rightarrow M(s) = S^3 + 2S$$

$$M(s) = 2S^2 + 1$$

Si normalizans Re=1

$$\frac{1}{222} = \frac{1}{2(5^2+1/2)}$$

$$\lim_{S \to -9} \frac{\chi_1}{S} = \lim_{S \to -9} \frac{g(s^2 + 2)}{2(s^2 + 1/2) \cdot g} = \frac{7}{17} \cdot C = \frac{7}{17}$$

$$\frac{1}{2} = \frac{1}{2} = \frac{1}$$

$$\frac{1}{2} = \frac{3}{17} \cdot \frac{3}{5} + \frac{27}{17} \cdot \frac{S}{S} = \frac{3}{17} \cdot \frac{S(S^2 + 9)}{2(S^2 + 1/2)}$$

$$Z_2 = \frac{2(s^2+1/2)}{3/4.5(s^2+9)}$$
 Lim (s^2+9) $Z(s^2+1/2) = \frac{289}{5}$

$$C = \frac{91}{1} = \frac{27}{289} = \frac{1}{1} = \frac{289}{243}$$

$$Z_3 = Z_2 - \frac{28\%27.5}{5^2+9} = \frac{2(5^2+1/2) - 28\%27.5(3/47.5)}{3/17.5(5^2+9)} = \frac{1/9.5^2+1}{3/17.5(5^2+9)}$$

$$Z_3 = \frac{1/9(8279)}{3/17.5(8249)} = \frac{17}{27.5}$$
 \Rightarrow $C = 27$

