$$\Gamma(s) = \frac{V_2}{I_1} = \frac{k \cdot s}{s^3 + 2s^2 + 2s + 1} \qquad I_2 = -\frac{V_2}{R_L} \qquad \frac{2!}{R_L} \begin{cases} V_1 = Z_{11} I_1 + Z_{12} I_2 \\ V_2 = Z_{21} I_1 + Z_{22} I_2 \end{cases}$$

$$V_z = Z_{21}I_1 + Z_{22}\left(\frac{V_z}{\rho_L}\right) \rightarrow V_z\left(1 + \frac{Z_{22}}{\rho_L}\right) = Z_{21}I_1 \rightarrow T(s) = \frac{Z_{21}}{1 + Z_{22}/\rho_L}$$

$$z_{21} = \frac{ks}{2s^2+1}$$
 $rac{2s^2+2}{2s^2+1} = \frac{s(s^2+2)}{2(s^2+1/2)}$

$$z_{21} = \frac{ks}{2s^2 + 1}$$
 $rac{2s^2 + 2s^2 + 2s^2 + 1}{2s^2 + 1} = \frac{s(s^2 + 2s^2)}{2(s^2 + 1/2s^2)}$

Simtesis auditica:

$$L_1 = \lim_{S \to \infty} \frac{1}{2} \frac{(S^2 + 2)}{(S^2 + 1/2)} = \frac{1}{2}$$

$$Z_2 = Z_{22} - S4 = \frac{S^3 + 2S}{2(S^2 + 1/2)} - \frac{S}{2} = \frac{S^3 + 2S - (S^3 + S/2)}{2(S^2 + 1/2)} = \frac{3}{4} \frac{S}{S^2 + 1/2}$$

$$\frac{1}{4} = \frac{1}{2} - SC_3 = \frac{4S^2 + 2}{3S} - \frac{4S}{3} = \frac{2}{3S} = \frac{1}{SL_4} \rightarrow \frac{1}{4} = \frac{3}{2}$$

$$T_{1} = \begin{pmatrix} 1 & 0 \\ \frac{45}{3} + \frac{2}{35} & 1 \end{pmatrix} = \begin{pmatrix} 1 & 0 \\ \frac{45^{2}+2}{35} & 1 \end{pmatrix}$$

$$T_{2} : \frac{1}{61} = \frac{1}{22} = \begin{pmatrix} 1 + \frac{21}{22} & 21 \\ \frac{1}{22} & 1 \end{pmatrix}$$

$$T_T = T_1 \cdot T_2$$
 $T: \left\{ V_1 = AV_2 + B(-I_2) \rightarrow T(s) = \frac{V_2}{I_1} = \frac{1}{C} \Big|_{(-I_2) = 0} \right\}$ possible seguin los cuedripolos eligidos $\left[I_1 = CV_2 + D(-I_2) \right]$

$$C = \frac{4S^{2}+2}{3S} \cdot \frac{S+2}{2} + 1.1 = \frac{4S^{3}+8S^{2}+2S+4}{6S} + \frac{6S}{6S} = \frac{4S^{3}+8S^{2}+8S+4}{6S} = \frac{2}{3} \cdot \frac{S^{3}+2S^{2}+2S+1}{S} \rightarrow \frac{1}{C} = T(S)$$
 So couple point $k = 3/2$