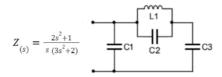
Ejercicio #3

Dada la función de Excitación $Z_{(s)}$ se pide hallar los valores de los componentes sabiendo que $L_1C_2=1/\pi$



¿ Desde el punto de vista de transmisión: tiene polo, cero o un nivel constante en corriente continua ?

$$2_{(5)} = \frac{2 \cdot (5^2 + 72)}{35 \cdot (5^2 + 33)}$$

$$\frac{2}{5 \cdot \frac{1}{2k!} + \frac{1}{5} \cdot \frac{w^{2}}{2k!}}$$

$$L.C = \frac{1}{2k!} \cdot \frac{2k!}{w^{2}} = \frac{1}{1}$$



Remodión Parcial 8

$$\frac{1}{10^{-5}} \le \frac{1}{10^{-5}} = \frac{1}{10^{-5}$$

$$K_{00} = \frac{35(5^{2}+33)}{2\cdot(5^{2}+32)} \cdot \frac{1}{5} = \frac{-377+2}{-277+1}$$

$$Y_2(s) = \frac{3s^3 + s.2}{2.(s^2 + \frac{1}{2})} - \frac{(2-37)}{(1-27)}$$

$$\gamma_{2(5)} = \frac{35^3 + 25 - 5 \cdot A \cdot 2(5^2 + 1/2)}{2(5^2 + 1/2)}$$

$$V_{2}(s) = \frac{35^{3} + 15 - 5^{3} \cdot 2A - 5A}{2(s^{2} + 1/2)}$$

$$= \frac{5^{3}(3 - 2A) + 5 \cdot (2 - A)}{2(5^{2} + 1/2)}$$

In [3]:
$$A = (2-3^{4}np.pl.)/(1-2^{4}np.pl.)$$

In [4]: A

In [5]: $nun = [3-2^{4}A.0.2-A.0]$

In [6]: $routs(nun)$

Traceback (note freent call last):

File "fun/top/armol_10208/2335930442.09", line 1, in scoll line: 1-

Troots(nun)

A

Y2(5)

A

Y2(5)

Remocion

Ta7al

Remocion

Ta7al

$$\frac{2}{2} - \frac{2}{s^2 + \pi}$$

$$2 k_3 = \lim_{S^2 \to -\pi} \frac{2}{2} z(s) \cdot \frac{(s^2 + \pi)}{s}$$

$$k_3 = \lim_{S^2 \to -\pi} \frac{1}{2} \frac{Z(s^2 + \frac{1}{2})}{(3 - 2A)(s^2 + \pi)} \cdot \frac{(s^2 + \pi)}{s} = 4,44$$

$$\frac{2}{3} = \frac{2 \cdot 13}{5^{2} + 17} = \frac{1}{5 \cdot \frac{1}{2} \cdot 13} + \frac{1}{5 \cdot 2} \cdot \frac{17}{2} \cdot \frac{1}{5 \cdot 2} \cdot \frac{1}{2} \cdot \frac{1}{5 \cdot 2} \cdot \frac{1}$$

$$\frac{24}{3} = \frac{2(s^{2} + \frac{1}{2})}{(3-2A)(s^{2} + \pi)5} - \frac{2K_{3}5}{(s^{2} + \pi)}$$

$$\frac{2}{4} = \frac{2s^{2} + 1 - 2K_{3}s^{2} \cdot (3-2A)}{(3-2A)(s^{2} + \pi)5} - \frac{s^{2} \cdot (2-2K_{3}(3-2A)) + 1}{(3-2A)(s^{2} + \pi)5}$$

$$\frac{2}{4} = \frac{B \cdot (s^{2} + \frac{1}{4})}{(3-2A)(s^{2} + \pi)5} - \frac{B \cdot (s^{2} + \pi)5}{(3-2A)(s^{2} + \pi)5}$$

$$\frac{B}{(3-2A)(s^{2} + \pi)5} - \frac{B}{(3-2A)(s^{2} + \pi)5} - \frac{B}{(3-2A)(s^{2} + \pi)5}$$

$$\frac{B}{(3-2A)(s^{2} + \pi)5}$$

$$\frac{B}{($$