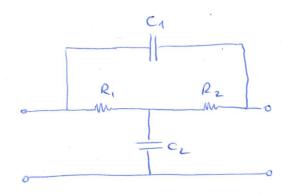
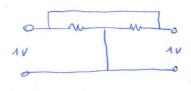
A SCHEMA

a. limieranolyse



LF (=0)

H(0) = 1



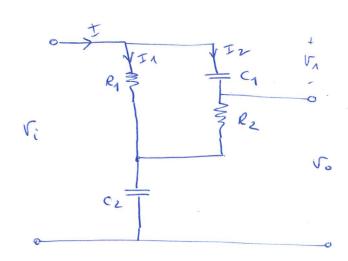
H(20) = 1

6. poli-zoro analyse

0-11-0

kapaciviere koppeling Russen in en uir -> zero(1)





$$Z_1 I_1 = Z_2 \cdot I_2$$
 $I_1 + I_2 = I$

$$I_{2} = \frac{Z_{1} I_{1}}{Z_{2}} = \frac{Z_{1} (I - I_{2})}{Z_{2}}$$

$$I_2 + I_2 \left(\frac{z_1}{z_2}\right) = \frac{z_1}{z_2} I$$

$$I_{2}\left(\frac{Z_{2}+Z_{1}}{Z_{2}}\right)=\frac{Z_{1}}{Z_{2}}I$$

$$I_2 = I \cdot \frac{z_1}{z_1 + z_2}$$

$$Z = \frac{1}{2C_2} + \frac{1}{\frac{1}{R_1} + \frac{AC_1}{1 + AC_1R_2}}$$

$$\frac{7}{3} = R_2 + \frac{1}{3C_1} = \frac{1 + 3C_1R_2}{3C_1}$$

$$Z = \frac{1}{3C_{1}} + \frac{R_{1}(1+3C_{1}R_{2})}{1+3C_{1}R_{2}+3C_{1}R_{1}}$$

$$\frac{a}{b} + \frac{6}{d} = \frac{ad + cb}{b \cdot d}$$

 $\frac{Z_1}{Z_2} = \frac{I_2}{I_1} = \frac{I_2}{I - I_2}$

Stroomdeling

$$I_2 = I \cdot \frac{R_1}{R_1 + Z_S} = I \cdot \frac{R_1}{R_1 + \frac{1+3}{4} \frac{C_1 R_2}{R_2}}$$

=
$$V_1 - I$$
. $\frac{3C_1R_1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$

$$H = \frac{V_0}{V_1} = \frac{1 + 3 \left(1 \left(R_1 + R_2 \right) + 3^2 \left(1 C_2 R_1 R_2 \right) - R_2 R_2 - R_2}{1 + 3 \left(C_1 R_1 + C_1 R_2 + C_2 R_1 \right) + 3^2 C_1 C_2 R_1 R_2} + \frac{1 + 2RC_1 S + C_1 C_2 R_2^2 S^2}{1 + 3R(2C_1 + C_2) + C_1 C_2 R_2^2 S^2}$$

$$H(s) = \frac{c_1 c_2 R^2 S^2 + 2 c_1 R S + 1}{c_1 c_2 R^2 S^2 + (2c_1 + c_2) R S + 1} = \frac{\left(\frac{S}{\omega_{NZ}}\right)^2 + \frac{1}{\alpha_2} \left(\frac{S}{\omega_{NZ}}\right) + 1}{\left(\frac{S}{\omega_{NZ}}\right)^2 + \frac{1}{\alpha_p} \left(\frac{S}{\omega_{NZ}}\right) + 1}$$

$$\hat{Q}_2 = \frac{1}{2} \sqrt{\frac{c_2}{c_4}} = 3$$

$$\frac{3}{2} = \frac{1}{2.0} = \frac{1}{6} < 1$$

$$Q_p = \frac{1}{23p} = 0.15$$

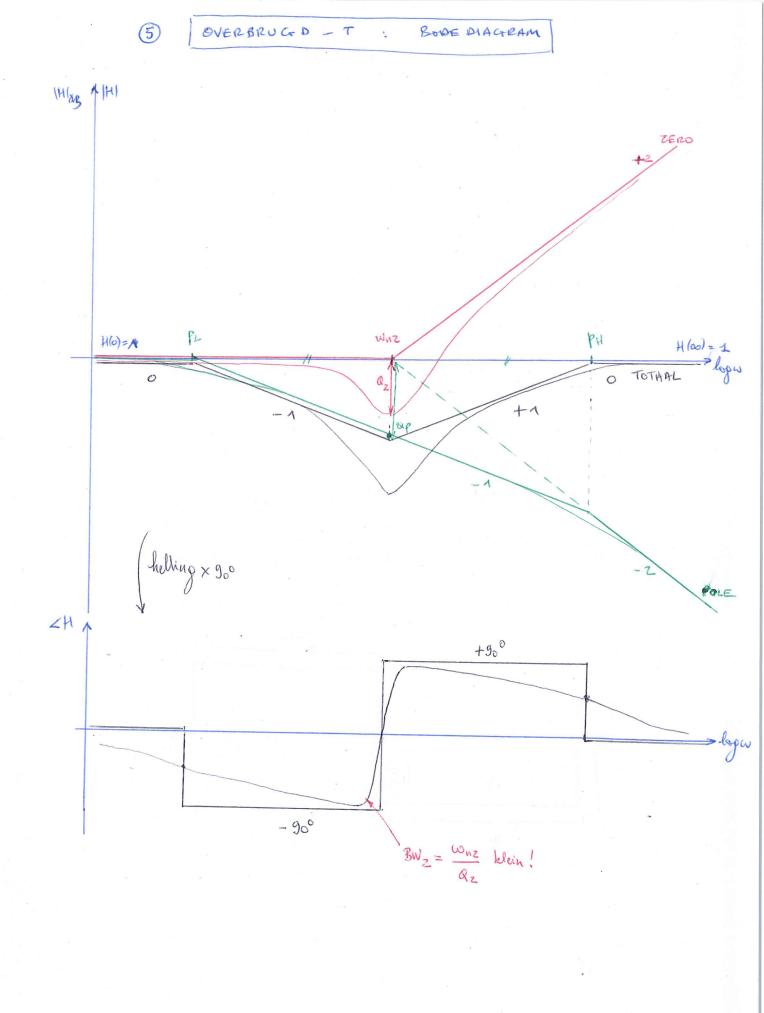
$$\frac{3}{9} = \frac{3}{2} + \frac{1}{2\frac{3}{2}} = \frac{3}{2} + \frac{2}{1}$$

$$\frac{1}{\sqrt{2}}$$

$$\frac{1$$

$$P_L = -\frac{7}{3}Wnp + \omega_{np}\sqrt{3^2-1} = -\frac{9}{16}\times w_{np} = -\frac{9}{1$$

$$\omega_{nz} = (\omega_{ny}) = 6,2800 \text{ r/s}$$
. Complex larguages zero's $\Theta_z = \cos^{-1}(\mathcal{F}_z) = 800$



6

