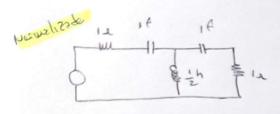


Armo el hiltro 39724H 1 assult 5,72 ml gssult 5,72 alt 88,27 Townsuf 1 63,66 nl 10/129ml 9,49 nH 10,179 mlt Serisección Kette seuri sección M-derivade TINALMENTE 13,522MH cicili 63,66 Af = 63,66 af 88,27 nf 0,21224 9,49 mH 10, 179 mlt

Ejemplo pesse ellos

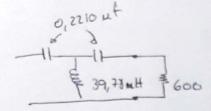
$$M = \sqrt{1 - \left(\frac{f_{00}}{f_{c}}\right)^2} = 0.3996$$

fa = 1100 Hz



$$2C_1 = \frac{C_1}{a_1b} = \frac{1}{7539,82.600} = 0,2210 \text{ uf}$$

$$L_1 = \frac{Ln_b}{a} = \frac{0.5H.600}{7.539,82} = 39,788 \text{ mH}$$



$$2C_{1}M = \frac{2C_{1} k_{c}H}{M} = \frac{0.2210 \, \text{nf}}{0.3996} = \frac{0.553 \, \text{nf}}{0.3996}$$

$$12M = \frac{12k_{c}He}{M} = \frac{39.78 \, \text{nH}}{0.3996} = \frac{199.549 \, \text{nH}}{0.3996}$$

$$12M = \frac{12k_{c}He}{M} = \frac{39.78 \, \text{nH}}{0.3996} = \frac{199.549 \, \text{nH}}{0.3996} = \frac{199.549 \, \text{nH}}{0.200 \, \text{nf}}$$

Saccept sephodors

$$a = wc = 7539,82 \text{ red/seg}$$

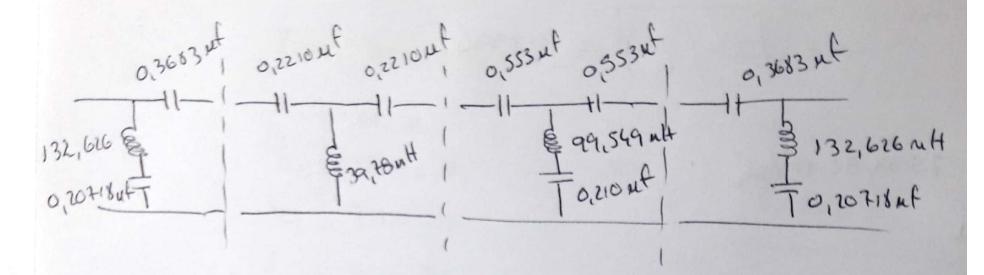
 $6 = 90 = 600$
 $m = 96$

A =
$$\frac{2G \times cHe}{M} = \frac{0.2210 \text{ ut}}{0.6} = [0,3683 \text{ uf}]$$

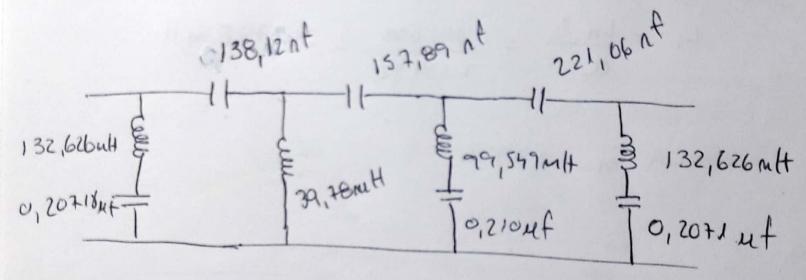
B = $\left(\frac{1.2210 \text{ ut}}{M}\right) \cdot 2 = \left(\frac{39.788 \text{ ut}}{0.6}\right) \cdot 2 = \left(\frac{132.626 \text{ ut}}{M}\right)$

$$C = C_1 \times He \left(\frac{2M}{1-M^2} \right) = \left[\frac{0.2.6718 \, uf}{0.2.6718 \, uf} \right]$$

Armo el filho



Finalweate



Pesse Baude

$$M = \sqrt{\frac{|W_{cz} - W_{ci}|}{|W_{cz} - W_{ci}|}} = \sqrt{\frac{7000 - 3500}{1000 - 3500}}$$

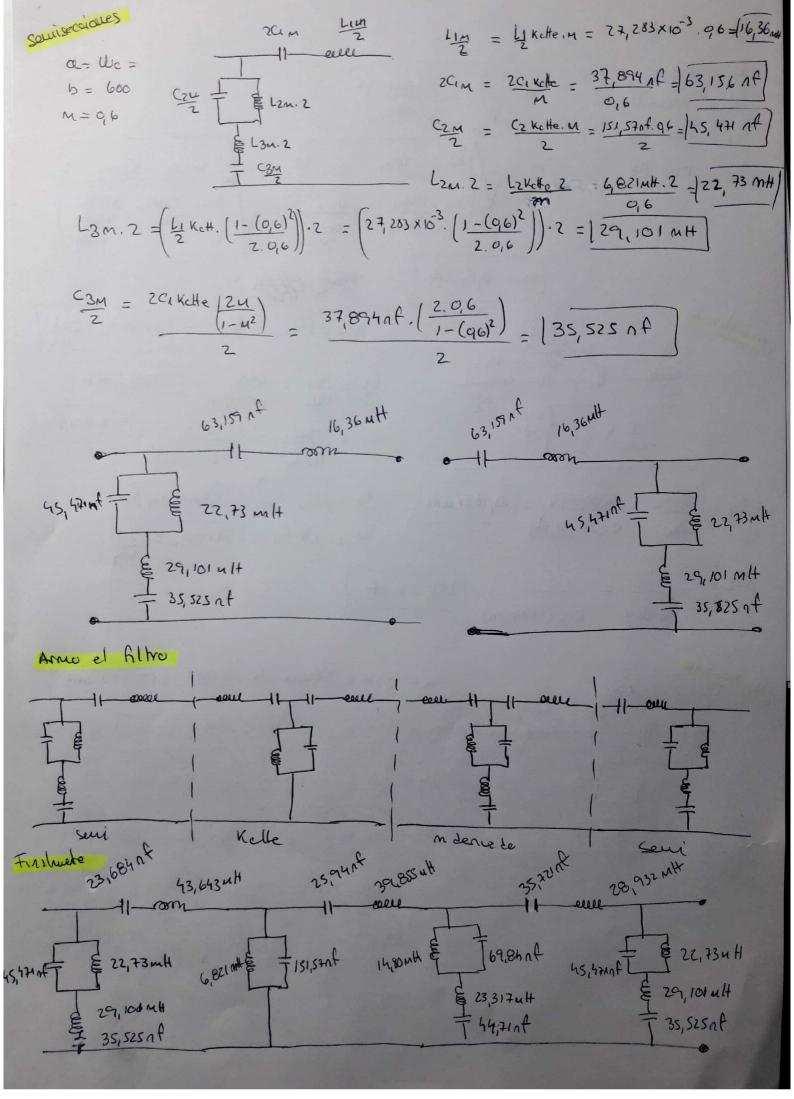
$$\frac{|W_{cz} - W_{ci}|}{|W_{cz} - W_{ci}|} = \sqrt{\frac{7000 - 3500}{1000 - 3500}}$$

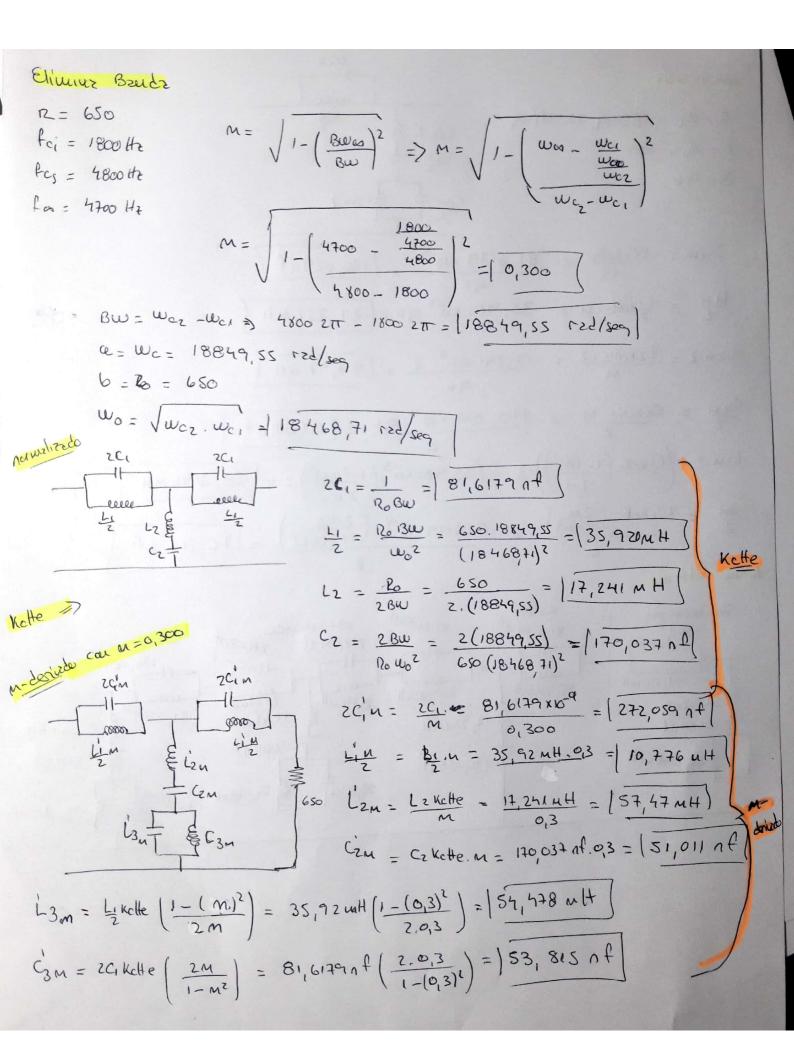
$$C_2 = \frac{2}{R_0 gW} = \frac{2}{600(21991,14)} = |151,57 nf|$$

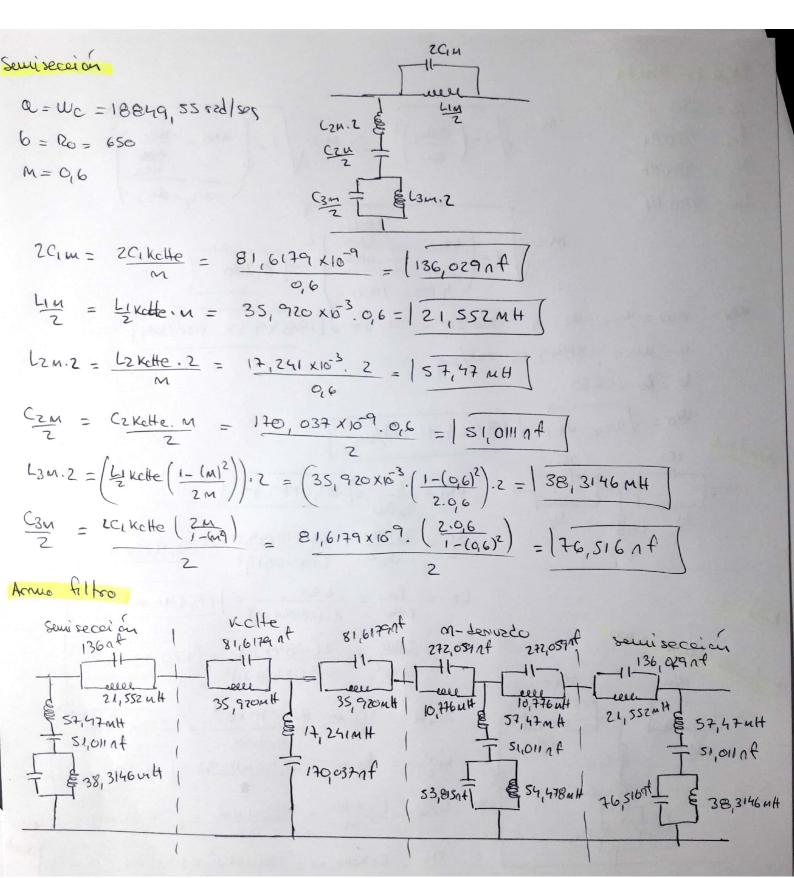
以 使 水學 一

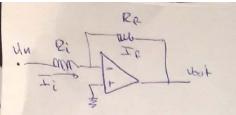
$$L_3 = \frac{L_1(1-M^2)}{2} = 27,283 \text{ u.t.} \left[\frac{1-(0.4608)^2}{2.(0.4608)} \right] = \left[23,317 \text{ u.t.} \right]$$

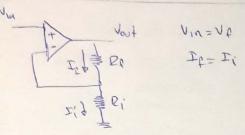
$$C_3 = 2C_1 \left(\frac{2M}{1-(M)^2} \right) = 37,894 \text{ nf.} \left(\frac{2.0,468}{4-(0,4608)^2} \right) = \left(\frac{44,71 \text{ nf}}{1-(M)^2} \right)$$











$$T_i = \frac{V_{i,q}}{R_i}$$

$$\frac{iq}{2i} = \frac{1}{1000 + 100}$$

Sunsday
$$V_1 = V_1 + V_2 + V_3$$

$$V_2 = V_1 + V_2 + V_3$$

$$V_3 = V_1 + V_2 + V_3$$

$$V_4 = 0$$

$$V_4 = 0$$

$$V_4 = 0$$

$$V_5 = V_1 + V_2 + V_3$$

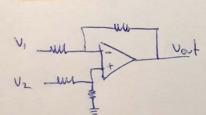
$$I_4 = I_1 + I_2 + I_3$$

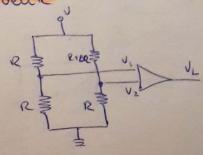
$$I_1 = \frac{V_1}{R_1}$$
 $I_2 = \frac{V_2}{R}$

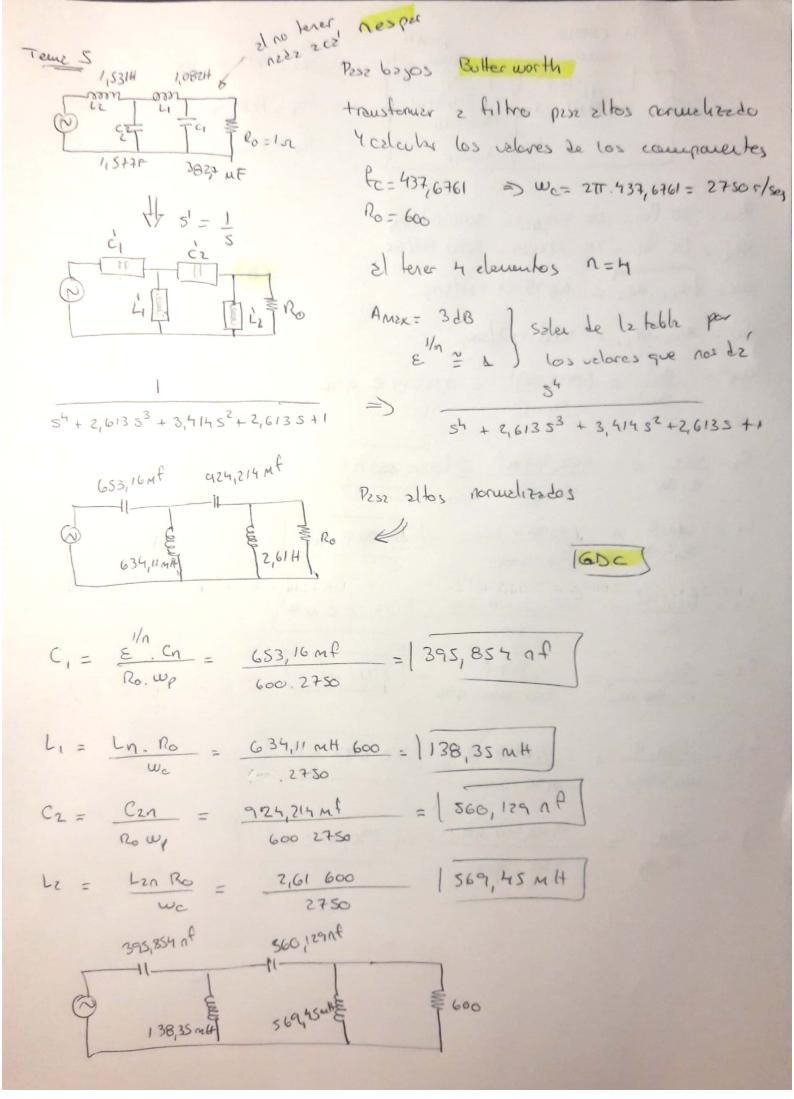
$$I_2 = \frac{V_2}{R_2}$$
 $I_3 = \frac{V_3}{R_3}$

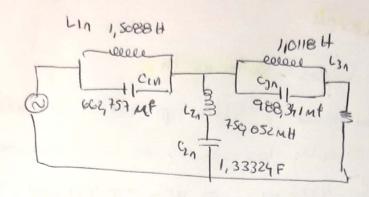
$$\frac{-V_{\infty}t}{Rt} = \frac{V_1}{R_1} + \frac{V_2}{R_2} + \frac{V_3}{R_3}$$

Restedor









fc, = 477,465 Hz fcz = 1273,24 No = 250

 $W_{C1} = 2\pi f_{C1} = 2\pi \cdot 477,465 = 3000 \text{ rollseg}$ $W_{C2} = 2\pi f_{C2} = 2\pi \cdot 1273,24 = 8000 \text{ rollseg}$ $W_{O3} = \sqrt{W_{C1} \cdot W_{C2}} = 4898,97 \text{ rollseg}$

1600

Bow = Wez-ut, = Sooo rzd/seg.

$$|U_{00}|^{2} = \frac{|U_{0}|^{2}}{|S_{00}|^{2}} = \frac{(898,97)^{2}}{(5000)^{2}} = 0.9599 = 0.96$$

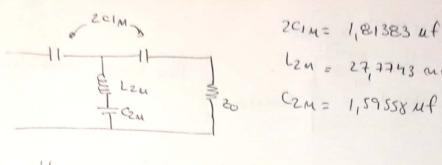
$$C_1 = \frac{C_{1n}}{R.8w} = \frac{662,757 \text{ anf}}{250.5000} = \frac{1530,205 \text{ nf}}{250.5000}$$

$$L_z = L_{2n} R = 750,052 \text{ mH}.250 = 37,502 \text{ mH}$$

$$C_2 = \frac{C_{20}}{12.8 \text{ BW, Why}} = \frac{1,333 \text{ F}}{250.5000 996} = [1,111 \text{ Mf}]$$

$$C_3 = \frac{C_{30}}{R.Bw} = \frac{988,341 \, \text{mH}}{250.5000} = \sqrt{790,672} \, \text{uf}$$

Ejercicio Nº 7 de Percial



$$\frac{(2M - 2C_{1}M)(2M)}{1-M^{2}} = \frac{2C_{1}M}{1-M^{2}} = \frac{2C_{1}M}{1-M^{2}} = C_{2}M$$

$$\frac{2n^{2}}{1-m^{2}} = \frac{C_{2M}}{2C_{MM}} \Rightarrow \frac{2m^{2}}{1-m^{2}} = 0.879 \Rightarrow 2 = \left(\frac{1}{m^{2}-1}\right)0.879$$

$$e$$
 $M = \sqrt{\frac{0.879}{2.879}} = |0.5525|$

(a)
$$z_0 = \sqrt{\frac{2L_{2M}}{2C_{1M}}} = \sqrt{\frac{2.27,7743 \text{ mH}}{1,81383 \text{ mf}}} = \sqrt{\frac{175 \text{ m}}{1,81383 \text{ mf}}}$$

CORROBORADO POR

SCRIPT | GOC

