« هدادهای سندار رفیسی اسلان » معرف المعالى في معرف المعالى الدول من معطمة متحديد ورا في المعالى المع The said The rain | R. R. R. R. ·LIG : all RIC, LA isHO CTLE  $Z_{\tau}(j\omega) = \frac{v_{o}(j\omega)}{I_{s}(j\omega)} = \frac{1}{j\omega c + \frac{1}{j\omega c} + \frac{1}{R}} = \frac{1}{j(\omega c - \frac{1}{\omega c}) + \frac{1}{R}}$  $Z_T = \frac{K}{1 + j Q_T \frac{w^2 - w^2}{w w_0}}$ Wo = The Meriti  $Q_{T} = \frac{2\pi \left( \frac{\partial \mathcal{L}_{0}}{\partial \mathcal{L}_{0}} \frac{\partial \mathcal{L}_{0}}{\partial \mathcal{L}_{0}} \right)}{(\mathcal{L}_{0}} = \frac{2\pi \left( \frac{1}{2} \text{CV}_{i}^{2} \right)}{\left( \frac{2\pi}{\omega_{o}} \right) \left( \text{V}_{i}^{2} / 2 R \right)} = \omega_{o} \text{CR} = \omega_{o} \text{CR}$   $= \frac{2\pi \left( \frac{\partial \mathcal{L}_{0}}{\partial \mathcal{L}_{0}} \frac{\partial \mathcal{L}_{0}}{\partial \mathcal{L}_{0}} \right)}{\left( \frac{2\pi}{\omega_{o}} \right) \left( \text{V}_{i}^{2} / 2 R \right)} = \omega_{o} \text{CR} = \omega_{o} \text{CR}$   $= \frac{2\pi \left( \frac{\partial \mathcal{L}_{0}}{\partial \mathcal{L}_{0}} \frac{\partial \mathcal{L}_{0}}{\partial \mathcal{L}_{0}} \frac{\partial \mathcal{L}_{0}}{\partial \mathcal{L}_{0}} \right)}{\left( \frac{2\pi}{\omega_{o}} \right) \left( \text{V}_{i}^{2} / 2 R \right)} = \omega_{o} \text{CR} = \omega_{o} \text{CR}$   $= \frac{2\pi \left( \frac{\partial \mathcal{L}_{0}}{\partial \mathcal{L}_{0}} \frac{\partial \mathcal{L}_{0}}{\partial \mathcal{L}_{0}} \frac{\partial \mathcal{L}_{0}}{\partial \mathcal{L}_{0}} \frac{\partial \mathcal{L}_{0}}{\partial \mathcal{L}_{0}} \right)}{\left( \frac{2\pi}{\omega_{o}} \frac{\partial \mathcal{L}_{0}}{\partial \mathcal{L}_{0}} \frac{\partial$ Q= W. Re = R WoL Wins मिला है मार्डिके के किला है।

ivaj BW = Wo servicous metricipalisto

$$Z(\widehat{j}\omega) = \widehat{j}\omega L + \frac{1}{\widehat{j}\omega c} + r = \widehat{j}(\omega L - \frac{1}{\omega c}) + r$$

$$V_{in} \stackrel{\leftarrow}{\text{(Ric)}} : \omega \text{(Ric)} : \omega \text{($$

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no a représentation de l'émente QL= WOL (CV) ideo)

$$RT = \frac{\omega_0^2 L^2}{r}$$

$$RT = \frac{\omega_0 L^2}{r} \qquad C = \frac{\omega_0 L}{r} = \frac{RT}{\omega_0 L} \qquad Night$$

. The seight vir machine Qual - interpreteducid

5x10 icucyo w= 10 rad ros, inimico, b) r, c, L no (1) de lun (de rad/sec  $Q_{L} = \frac{\omega_{0}}{B_{W}} = \frac{10^{7}}{5\times10^{5}} = 20 \times 10$   $Q_{L} = \frac{\omega_{0}}{B_{W}} = \frac{10^{7}}{5\times10^{5}} = 20 \times 10$   $Q_{L} = \frac{1000}{B_{W}} = \frac{1000}{5\times10^{5}} = 20 \times 10$   $Q_{L} = \frac{1000}{B_{W}} = \frac{1000}{10^{7}} = \frac{20\times2.5}{10^{7}} = 5\mu H$   $Q_{L} = \frac{1}{\omega_{0}} = 2000 pF = 2 nF$ 

$$Q_L = \frac{\omega_0}{BW} = \frac{10^7}{5 \times 10^5} = 20 > 10$$

: whois - - who word is at

$$Q_{C} = \frac{1}{r \omega_{c} c}$$

$$Q_{T} = R_{T} \omega_{c} c$$

$$r\omega_{oc}$$
  $= \frac{1}{r(\omega_{oc})^{2}} = Qc^{2}r$ 

Wo= 17 rad/se

RT= IKI

$$R + = R^2 r$$

BW= 5x15 rad/se

- No Color is od i in position po elegtions residir in light on.

Qc = 1 = 1 = 1 = 40>10

R, = QL r, => R, = 1600x2-5 = 4KR

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

$$R_{T}$$

G2 5 100 (C1+C2)202 & N.6 (C1+C2)W> 10GL

ساء ان مدار العدوق الي مران مر ماصورت مدار كالعومي الالطروت:

$$\frac{1}{R} = \frac{1}{Ceq} = \frac{1}{8} = \frac{1}{3} = \frac{$$

$$Ceq = \frac{GCz}{G+Cz}$$

$$n = \frac{G}{G+Cz}$$

166 in 1 Mo=5x18 mes jobs Oliver, 1km (1, 1500 july 100/200 : She · wis out Bw=16 Pw=16 rad/se QT= \(\overline{\pi\_0}{BW} = \frac{5\text{x}\land{7}}{16} = 50 > 1. QT= Requo Ceq Si 50 = 10 x 5x10 x Ceq Si Ceq=10 F=Inf Wo= 1 = 1 = 1 = 25x114x1=9=0.494H Reg = 1/26L =) N2 = PerGL = 1000x 1/50 = 20 = 0.05 N = V0.05 = C1 C1+C2 SA CZ = 1 NP = 4.47MF Ceg=InF= C1Cz C+Cz ( Ce1+(2) ω0≥ 10GL → 28.75x10 > 10x 1/50

L1 0.2875 > 0.2 1/2 : cellow per continuous CF LE 3GL 4+62 2 10GL & CIRSISIEN Jim = jwc + Jwl (GL+ jwlz) - y ~ jwc + J (Lz) GL
jwl + jwlz + GL CF Fleg 3& 7GL n = 12 Req = 1261 Leg= 4+Lz ar = Reg = Reg C Wo

