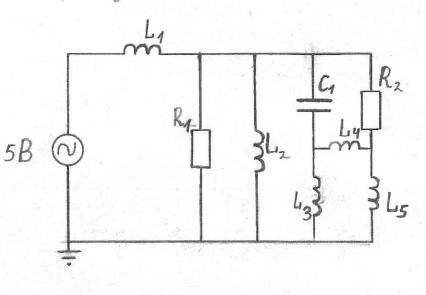
Зинченко Яков Расчетное задание вариант Nº 1525283510352



$$U=5B$$

$$L_{1}=298\cdot10^{3} \text{ fm}$$

$$R_{1}=180\cdot10^{3} \text{ OM}$$

$$L_{2}=420\cdot10^{3} \text{ fm}$$

$$C_{1}=363\cdot10^{5} \text{ P}$$

$$L_{3}=180\cdot10^{-3} \text{ fm}$$

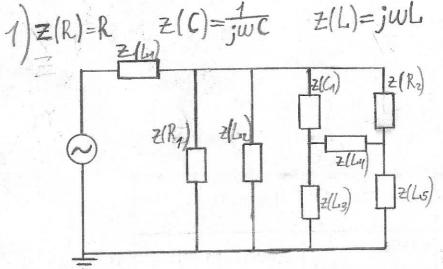
$$L_{4}=294\cdot10^{-3} \text{ fm}$$

$$R_{2}=102\cdot10^{3} \text{ OM}$$

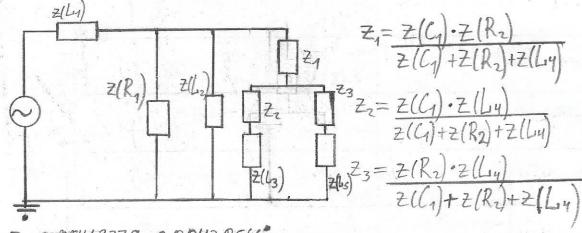
$$L_{5}=269\cdot10^{3} \text{ fm}$$

V=53.103 [4

W=251)



 $w=106 \int_{0.10^{3}}^{3} G_{1}^{1}$ $Z(L_{1})=j31588 \int_{0.10}^{3} O_{1}$ $Z(R_{1})=180 \times 10^{3} O_{1}$ $Z(L_{1})=j44520 \int_{0.10^{3}}^{3} O_{1}$ $Z(L_{1})=j44520 \int_{0.10^{3}}^{3} O_{1}$ $Z(L_{1})=j389 \int_{0.10^{3}}^{3} O_{1}$ $Z(L_{1})=j31164 \int_{0.10^{3}}^{3} O_{1}$ $Z(R_{2})=102 \cdot 10^{3} O_{1}$ $Z(L_{1})=j28514 \int_{0.10^{3}}^{3} O_{1}$



 $Z_1 = -0,00413279 - 0,00430566i$ $Z_2 = 0,00413279 - 0,00396685i$ $Z_3 = 48911,2+50957,2i$

$$Z(y) = Z_1 + \frac{(Z_2 + Z(L_3))(Z_3 + Z_5(L_5))}{Z_3 + Z_2 + Z(L_5) + Z(L_5)}$$

$$Z(y) = 4126,87 + 43026,3i$$

$$Z(\beta) = \frac{Z(L_1) + Z(y)}{Z(L_2) + Z(y)}$$

$$Z(X) = Z(L_1) + \frac{Z(R_1)Z(L_2)Z(y)}{Z(L_2)Z(y) + Z(R_1)Z(y) + Z(R_1)Z(y) + Z(R_1)Z(L_2)}$$

 $Z(X) = 7995,59 + 130315i$

$$I_0 = \frac{U}{Z(X)}$$

$$I(z_1) = I(B) - I(L_2)$$

 $I(z_2) = \frac{T(J)}{z_2 + 2(L_2)} + 1$

$$I_0=2,34532.10^6-0,0000382248i$$

 $g_1=Z(y)I(y)$ $V(z)=g_1-g_2$
 $g_2=Z(L_3)I(L_3)$ $V(R_2)=g_1-g_3$
 $g_3=Z(L_5)I(L_5)$ $V(L_4)=g_3-g_2$

$$I(z_3)=I(y)-I(z_1)$$

$$I_0=I(R_1)+I(L_1)+I(L_2)+I(L_3)$$

$$P=UI$$

ЭлеменТ	Номинал	Напражение	Сила:Тока	Мощность
Ly	298 M Su	3,7933+0,232742	2,34532 · 10 ⁻⁶ - - 0,0000382248 ;	0,000145544j
R	180 KOM	1,2067-0,232742;	6,70389 .1 0 ⁶ - -1,29301.10 ⁶ j	8,39053-10-6
L ₁ 2	420 MGH	1,2067-9,232742	-1,66406 • 10 6 -8,62769 • 10 5	0,0000107983
C1	363MKP	-2,06637·10 ⁷ + +6,07807·10 ⁸ ;	-7,3473 ·16 6- -0,0000249787j	-5,60809·10 ⁻¹² ;
L 3	180 คริน	1,207-0, 2 32742 j	-3,88281.10 ⁶ - 9,0000201313;	0,0000251961j
L4	294 M Tu	-0,474585+ +0,33919j	3,46449·10 ⁻⁶ t +4,84743·10 ⁻⁶ j	-2,11758·10 ⁻²² +3,47564·10 ⁻⁶
R2	102 КОм	0 ,474585-0,339189;	The state of the s	3,33608 · 10 6
L5	269 MSU	0,7 3 2115 + +9106448j	1,1883·10 ⁻⁶ - -8,17281·10 ⁻⁶ 3	6,10994·10°;