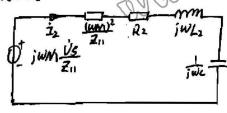


の原内等放射的 1 には 中央: その= 12 = 3A

D 发流作用时: 13= # 145° V 1, = 4+18+4 = 310° A

17 Pt = 3 + 3/2 (05/2t) A

副为外的电路加下:



$$\frac{(\omega M)^{2}}{Z_{11}} = \frac{16}{4+j8} = \frac{4}{1+2j}$$

$$\frac{1}{j\omega c} \int j\omega M \frac{\dot{U}_{S}}{Z_{11}} = \frac{\dot{U}_{S} \times 4/90^{\circ}}{4+8j} = \frac{\dot{U}_{S}/90^{\circ}}{1+2j}$$

$$\dot{U}_{S} = \frac{\dot{U}_{S}/90^{\circ}}{4+8j} = \frac{\dot{U}_{S}/90^{\circ}}{1+2j} \Rightarrow \dot{I}_{2} = 3/90^{\circ} A$$

 $\frac{1}{12V} = 3.5 LOS(2t + 50°) A P = V_0 I_0 + V_1 I_1 LOS V = 12X3 + 4 X3 \times \frac{1}{2} = 108W$

Uc. 10-) = 12 V Uc2 W-) = 0 V 根据电荷印1恒定律: G.Uc,(0-)+G.Uc,(0-)=G.Ub(0+)+G.Ub(0+) UC, W+) = UC, W+) : 0.5x12 = (C+C2) UC, (O+) = 1.5UC, (O+) : UC, (04) = U(2104) = 4V UGHO) = U(2(+80) = 12V 就UCI两端等级电路: O开路电压 Voc=12V 13 the shalle for: 3(tsc - 1 tsc) + 2 tsc = 12 => tsc = 3A Reg = 12 = 40 Z=RC = 4x1.5 = 65 $U(x(t)) = 12 + (4-12)e^{-\frac{x}{2}}$ = 12 - 8e^{-\frac{x}{2}} (1+20) ilt) = 12-4014) = 20 3 (t 20) 起it)的错误解法: tout) = 6 dace = 4 0 \$ (270) X : i(t) = i(t) + i(1) = 2 e - \$ (t 20) 0 # Z1 = 012+ 1 = 18 (0° A 12 = 9/180 A $\begin{cases} Z_{11} \cdot 18 - 9Z_{12} = 90 \\ Z_{11} \cdot 15 - 5Z_{12} = 90 \end{cases}$ $\dot{U}_1 = Z_1 \dot{L} + Z_{12} \dot{I}_2$ Z11.18/00 + Z12.4 (180 = 90 /00 $\Rightarrow \begin{cases} Z_1 = 80 \\ Z_2 = 60 \end{cases}$ @ U1=U8=9010° V 1,=1810° A U2=0 12=9/180° A $\hat{U}_1 = 90 \angle 0^{\circ} V \hat{I}_2 = 7 \hat{U}_2 = 30 \angle 0^{\circ} V \hat{I}_2 = 5 \angle 180^{\circ} A$

