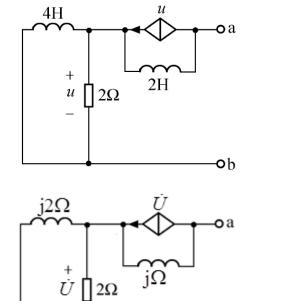


## 正弦激励下电路的稳态分析 习题讲解(一)



## 1. 试求题图所示二端网络的等效阻抗( $\omega$ =0.5rad/s)。



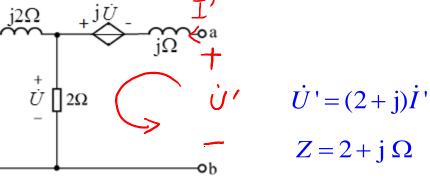
$$\dot{U}' = j\dot{I}' - j\dot{U} + \dot{U}$$

$$\dot{U} = \frac{j2 \times 2}{j2 + 2}\dot{I}'$$

$$\dot{U} = \frac{\dot{I}}{\dot{I}}$$

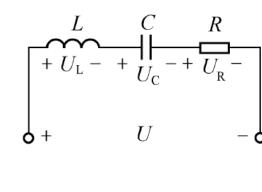
$$\dot{U} = \frac{\dot{I}}{\dot{I}}$$

$$\dot{U} = \frac{\dot{I}}{\dot{I}}$$

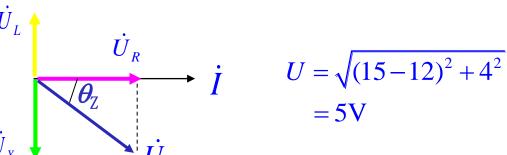


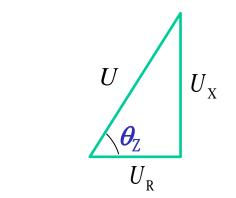
## 正弦激励下电路的稳态分析 习题讲解 (一)

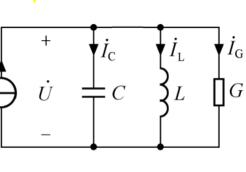
2.在题图所示电路中,已知  $U_{\rm C} = 15{\rm V}, U_{\rm L} = 12{\rm V}, U_{\rm R} = 4{\rm V},$ 求电压U的值。

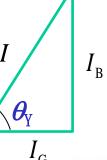














◆ 正弦激励下电路的稳态分析 习题讲解(一)



