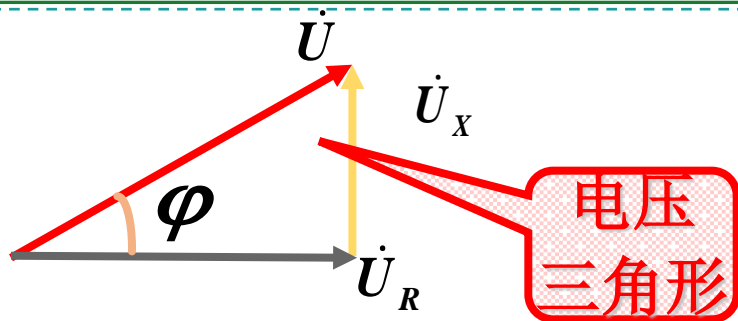


电压、阻抗、功率三角形

Basic principle and classification of transformer

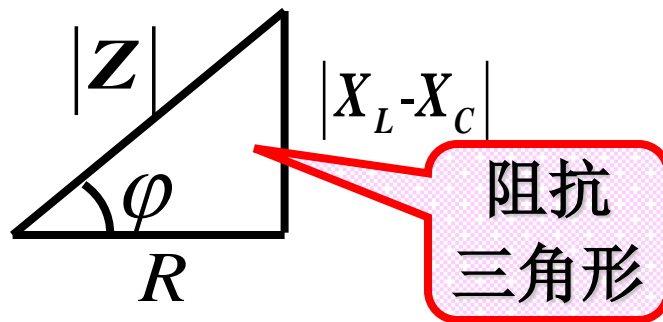
电压、阻抗、功率三角形



$$U = \sqrt{U_R^2 + U_X^2}$$

$$U_R = U \cos \varphi$$

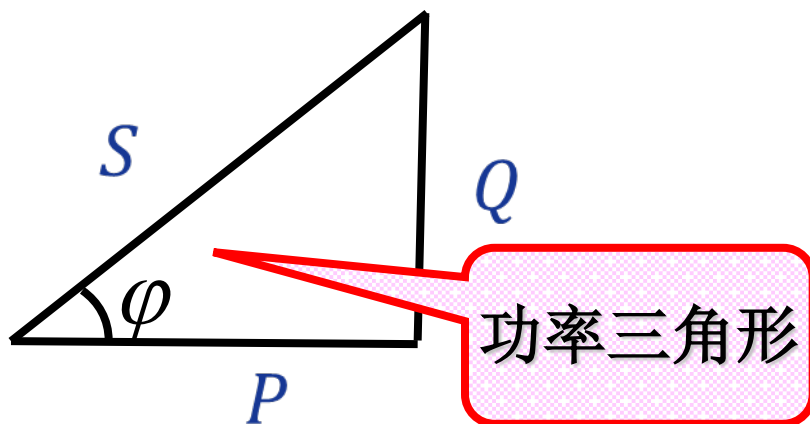
$$U_X = U \sin \varphi$$



$$|Z| = \frac{U}{I} = \sqrt{R^2 + (X_L - X_C)^2}$$

$$R = |Z| \cos \varphi$$

$$|X_L - X_C| = |Z| \sin \varphi$$



$$S = UI = \sqrt{P^2 + Q^2}$$

$$P = UI \cos \varphi$$

$$Q = UI \sin \varphi$$



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谢谢观看

湖南生物机电职业技术学院欢迎你！

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