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Zanab:

0.
$$X_{L} = \omega L = 2\pi f . L$$

$$= 2\pi . \omega . \partial \partial . \partial P x \omega^{-3}$$

$$= 660 \pi = 1760, 4 \Omega$$

$$\times_{C} = \frac{1}{\omega C} = \frac{1}{2\pi f C} = \frac{1}{2\pi . \omega . \omega \partial . 6, 25 \omega \omega^{-9}}$$

· 2546,5 A

2 *
$$\sqrt{R^2 + (x_L - x_L)^2}$$

= $\sqrt{8700^2 + (1750, 4 - 2546, 5)^2}$
, $8735, 62 \Omega$

$$=\frac{1}{2\pi\sqrt{20\times\alpha^{-3}\cdot6,25\times\alpha^{-9}}}$$

$$f. \quad \phi = \tan^{-1}\left(\frac{x_{L} - x_{C}}{R}\right)$$