R	L	C theo	V_{max}	F (Hz)	T_{sec}	C osc	V_R	V_L	$V - V_R$	$V - V_C$
300 Ω	300 mH	1×10^{-3} S	5	1000	1 ms		22.9			

Time / Div = 1.003 ms
Volts / Div = 20.36 V

$\Delta V_{Res} = IR \sin(\omega t)$

$\Delta V_{ind} = I \cdot Impedance$ $\cos(\omega t)$ or $I \cdot Imp \sin(\omega t + \frac{\pi}{2})$

$V_{max} =$ [Current × Impedance]

$\sqrt{R^2 + (X_L - X_C)^2}$