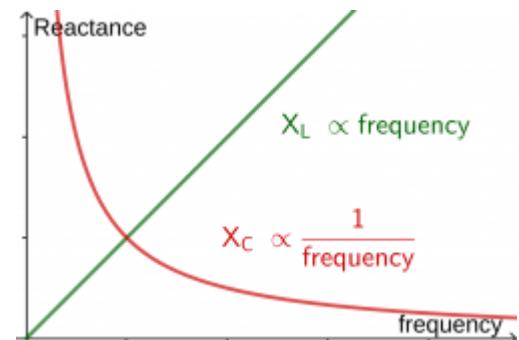




**Under Construction:** VA7FI is editing this section, please do not edit it until this notice is taken down.

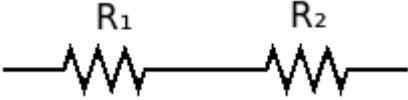
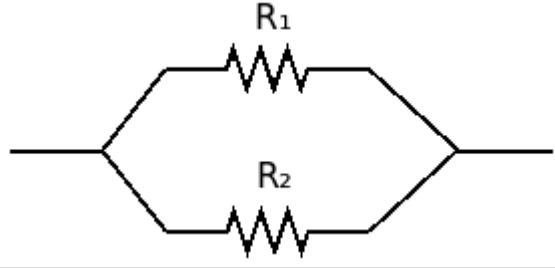
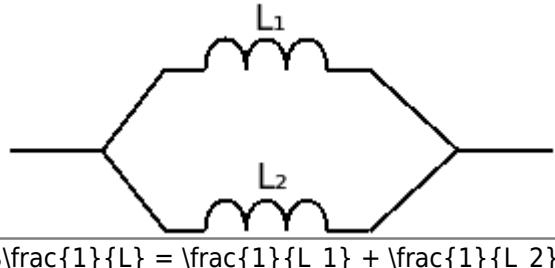
# Electronics

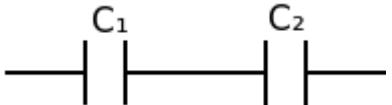
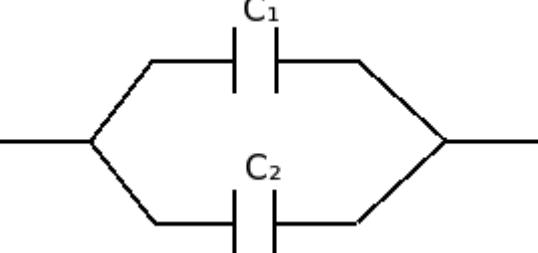
## RLC Impedance



Impedance [ $\Omega$ ]	Low Frequency	Medium Frequency	High Frequency
Resistance, R	Doesn't depend on frequency		
Inductive Reactance $X_L = 2\pi f L$	Low	Medium	High
Capacitive Reactance $X_C = \frac{1}{2\pi f C}$	High	Medium	Low

## RLC Addition

	Series	Parallel
Resistor, R [ $\Omega$ ]	 $R = R_1 + R_2$	 $\frac{1}{R} = \frac{1}{R_1} + \frac{1}{R_2}$
Inductor, L [H]	 $L = L_1 + L_2$	 $\frac{1}{L} = \frac{1}{L_1} + \frac{1}{L_2}$

	<b>Series</b>	<b>Parallel</b>
Capacitor, C [F]		
	$\frac{1}{C} = \frac{1}{C_1} + \frac{1}{C_2}$	$C = C_1 + C_2$

## Questions

