



$$\frac{V_{out}}{V_{in}} = (Z_L \parallel Z_C \parallel R)$$

$$j\omega L + \frac{1}{j\omega C} + R$$

$$(j\omega L) \left(\frac{1}{j\omega C} \right) + R$$

$$\sqrt{b^2 - 4ac}$$

$$4ac > b^2$$

