



$$Z = \frac{(Z_1 + Z_2 + Z_4) Z_3}{Z_1 + Z_2 + Z_4 + Z_3}$$

$$Z_1 = R$$

$$Z_2 = \frac{1}{i\omega C} \quad Z_3 = Z_4 = i\omega L$$

$$Z = \frac{(R + \frac{1}{i\omega C} + i\omega L) i\omega L}{R + \frac{1}{i\omega C} + 2i\omega L}$$