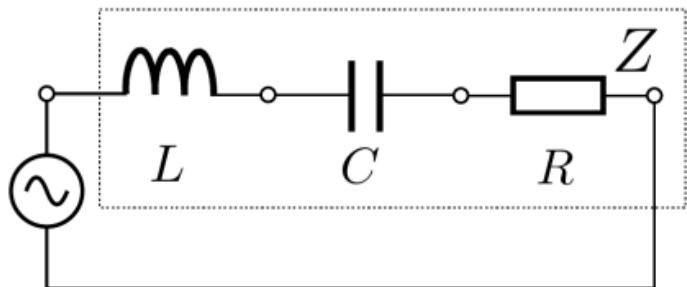


# 共振器について

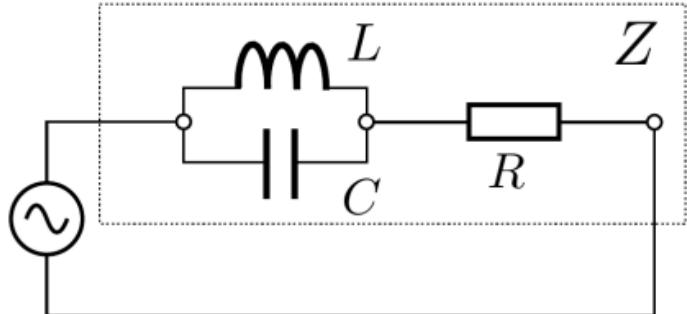
## RLC直列回路



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

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

## RLC並列回路



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

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