予習 4.3
$$LC 部分の合成 1/2 - j = j \omega L$$

$$j \omega C + j \omega L = | -\omega^2 C L |$$
ゆえに、 \dot{V} は 入力電圧 \dot{E} E \dot{E} として
$$\dot{V} = \frac{1}{1-\omega^2 C L} E = \frac{j \omega L}{R(1-\omega^2 C L) + j \omega L} E = \frac{1}{1-\omega^2 C L}$$

$$J_{m}V = 0 \text{ or } \pm 1 - \omega^{2}CL = 0$$

$$\therefore f_{o} = \frac{1}{2\pi\sqrt{CL}} = 5.0 \times 10^{3} \text{ Hz}$$

$$4.4 \qquad 0.00 = \sqrt{LC}$$

式(6)
$$\omega_0 = \sqrt{LC}$$
 式(8) $\omega_0 = \frac{\omega_0 L}{LC}$

$$(6) \quad \omega_0 = \sqrt{LC}$$

$$(8) \quad Q = \frac{\omega_0 L}{R}$$

(6)
$$\omega_0 = \sqrt{LC}$$

(8) $\omega = \frac{\omega_0 L}{R}$

(8)
$$Q = \frac{\omega_0 L}{R}$$

式(8)
$$Q = \frac{QOL}{R}$$

(8)
$$Q = \frac{w_0 L}{R}$$

(8)
$$Q = \frac{m_0 L}{R}$$

$$f_0 = \frac{1}{2\pi\sqrt{LC}} = 1.6 \times 10^4 \text{ Hz}$$

$$L = \frac{\omega_0 L}{R} = \frac{1}{R} \sqrt{\frac{L}{C}} = 10.$$

$$Q = \frac{\omega_0 L}{R} = \frac{1}{R} \sqrt{\frac{L}{C}} = 10.$$

 $\frac{\frac{1}{R(1-\omega^2CL)}}{\int_{\omega}L} = \frac{1}{E}$