

解 答

2 0 2 5	科目名	物理情報：電気回路
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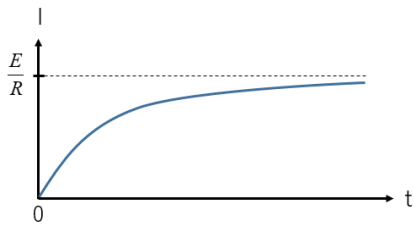
(1)

$$E = RI + L \frac{dI}{dt}$$

(2)

$$I = \frac{E}{R} \left(1 - e^{-\frac{R}{L}t} \right)$$

(3)



(4)

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

(5)

$$\omega = \sqrt{\frac{1}{LC} \left(1 - \frac{R^2 C}{L} \right)}$$

(6)

$$\omega = \frac{1}{\sqrt{LC}}$$