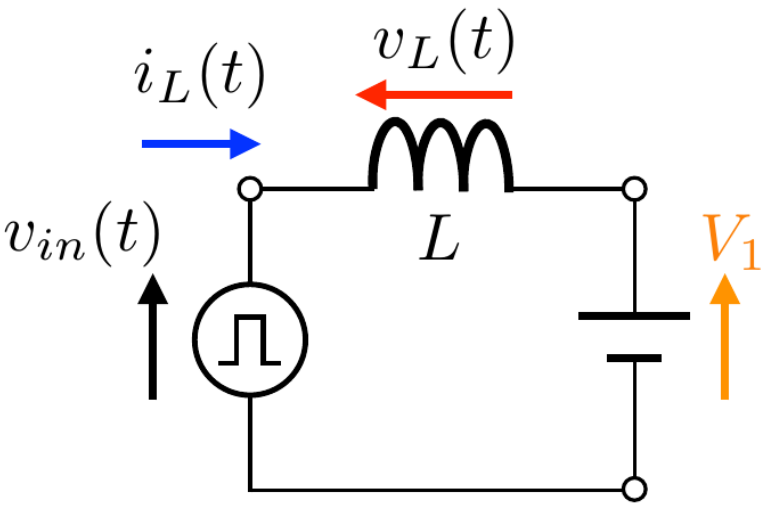
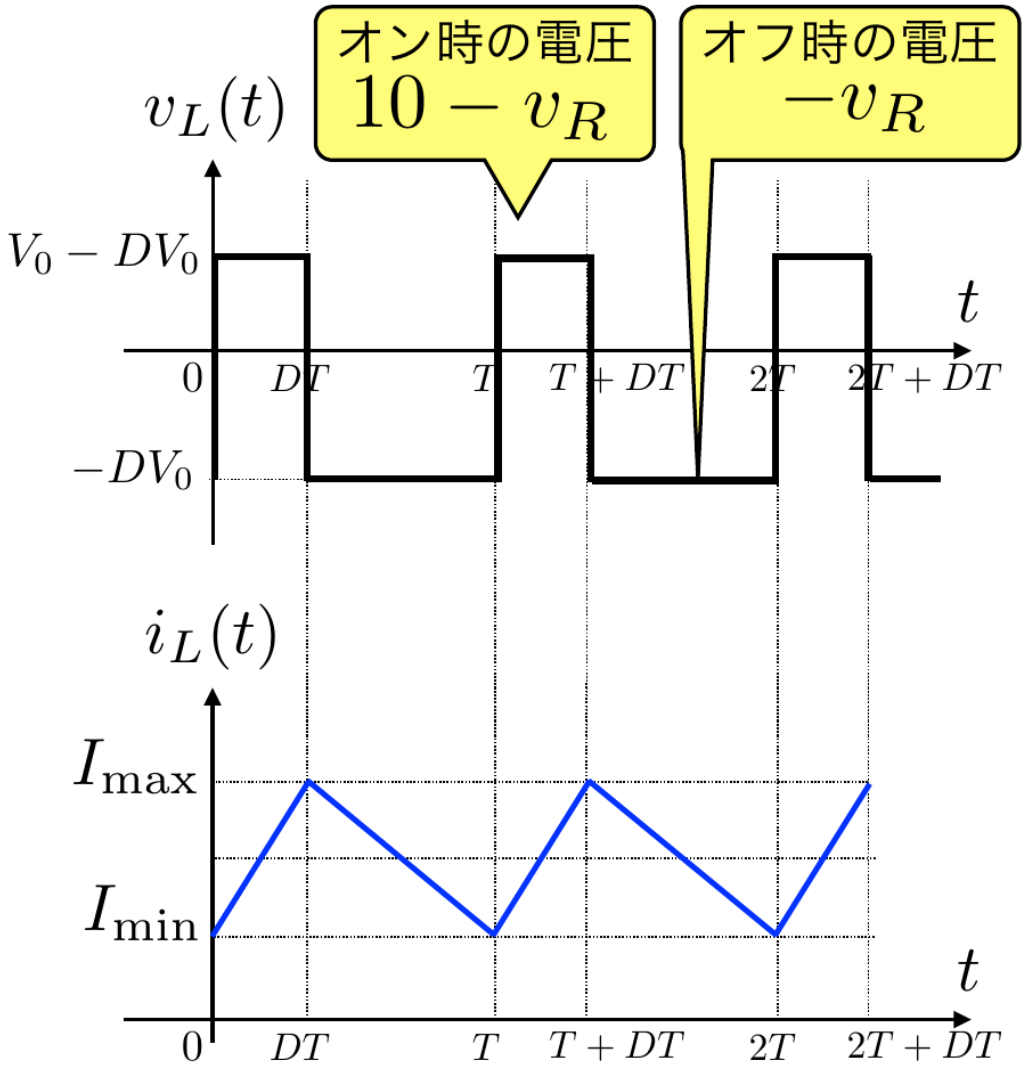
定常状態時の電流の振動の大きさ

前回の復習





$$v_L(t) = L\frac{di_L(t)}{dt}$$

$$\int_0^{DT} v_L(t)dt = L\int_0^{DT} \frac{di_L(t)}{dt}dt$$

$$I_{\max} - I_{\min} = \frac{1}{L}DT(V_0 - DV_0)$$

$$= \frac{DT(1-D)V_0}{L}$$

←この値を計算すれば良い　83.3 [mA]