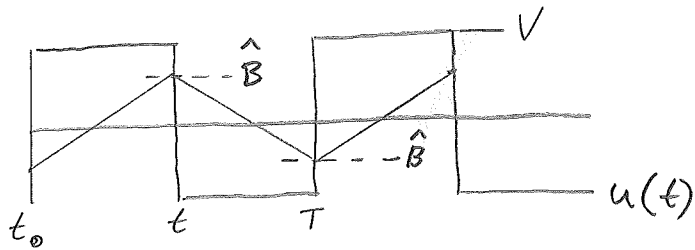


BWW Uppg 26.4



$$u = \frac{d\psi}{dt} = \frac{dBNA}{dt} = N \cdot A \frac{dB}{dt}$$

$$\frac{dB}{dt} = \frac{1}{N \cdot A} \cdot u$$

$$B(t) - B(t_0) = \int_{t_0}^t \frac{1}{N \cdot A} u(t) dt = \int_{t_0}^t \frac{V}{N \cdot A} dt = \frac{V}{N \cdot A} (t - t_0)$$

$$\hat{B} - (-\hat{B}) = \frac{V}{N \cdot A} \left( \frac{T}{2} - 0 \right) \Rightarrow$$

$$\hat{B} = \frac{V \cdot T}{4 N \cdot A} = \frac{V}{4 N \cdot A \cdot f}$$