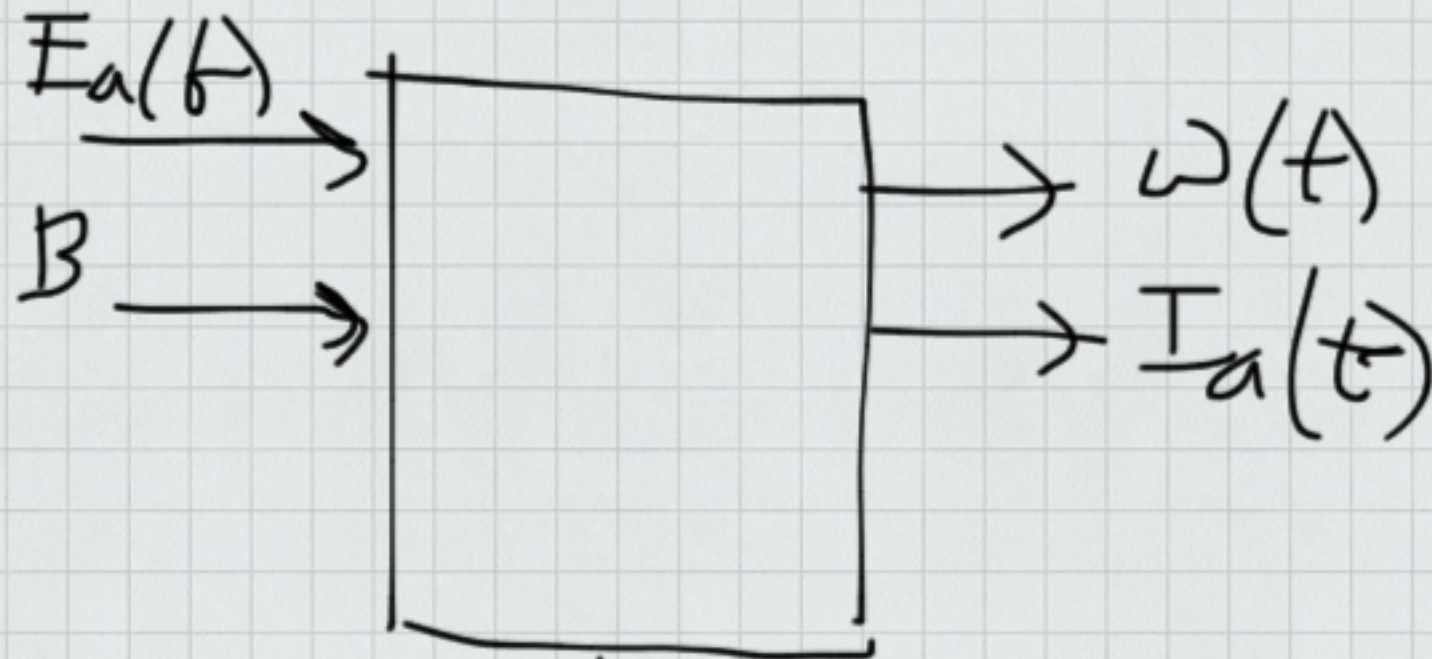


Dari (1) $\rightarrow \frac{dI_a(t)}{dt} = \frac{1}{L_a} [E_a(t) - E_b(t) - R_a I_a(t)]$

Dari (2) $\rightarrow \frac{d\omega(t)}{dt} = \frac{1}{J} [T(t) - B \omega(t)]$

$\rightarrow$ Simulink external



Steady state
 $B = \phi \rightarrow I_a \approx 0$

$E_a - E_b \approx 0$

$E_a = K_b \cdot \omega \rightarrow E_a$
 $K_b = \frac{E_a}{\omega}$

Motor
 $\frac{\text{Volt} \cdot \text{sec}}{\text{rad}}$