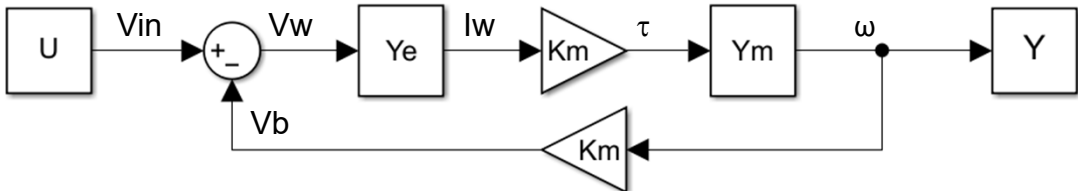
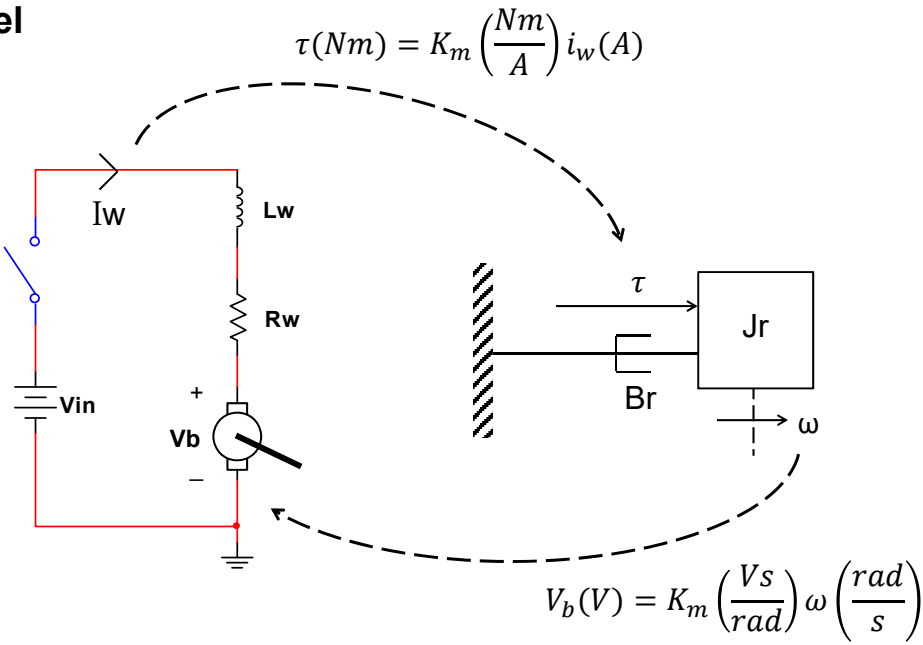


**Motor Model**



$$Y_e \left( \frac{A}{V} \right) = \frac{1}{sL_w + R_w}$$

$$Y_m \left( \frac{rad}{Nms} \right) = \frac{1}{sJ_r + B_r}$$