

$$1 \quad U(p) = R \cdot I(p) + L \cdot p \cdot I(p) + E(p)$$

$$2 \quad E(p) = K_e \cdot \Omega(p)$$

$$3 \quad J \cdot p \cdot \Omega(p) = C_m(p) - C_r(p)$$

$$4 \quad C_m(p) = K_c \cdot I(p)$$

