$$\frac{U_{A}(t)}{dt} = \lambda \frac{d}{dt} \left(\frac{J\dot{w}(t) + fw(t)}{K_{A}} \right) + R \left(\frac{J\dot{w}(t) + fw(t)}{K_{A}} \right) + K_{V}w(t)$$

$$= U_A(t) = R \frac{J \dot{w}(t) + f w(t)}{K_a} + k_w w(t) \iff$$

$$K_{\alpha}U_{A}(t) = R(J\dot{w}(t) + f_{w}(t)) + K_{\alpha}K_{v}w(t) = >$$

$$(i) + \left(\frac{R_{+}^{+} + K_{v} K_{a}}{R_{J}} \right) W(t) = \frac{R_{a}}{R_{J}} U_{A}(t) \qquad (ii) + \frac{1}{2} W(t) = K U_{A}(t)$$

$$T = R$$

$$R + K_1 K_2$$

$$K = \frac{K_3}{R }$$