
$$\begin{cases} u_d = R i_d + \frac{d\lambda(i_d, i_q)}{dt} - \omega_{me} \lambda(i_d, i_q) \\ u_q = R i_q + \frac{d\lambda(i_d, i_q)}{dt} + \omega_{me} \lambda(i_d, i_q) \end{cases}$$