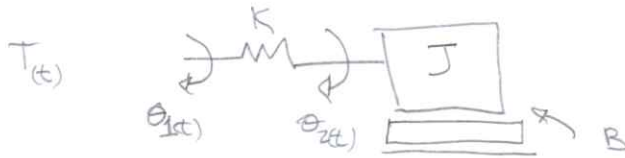


3a)



$$T_R = J \ddot{\theta}$$

$t =$

Functions

$$\left\{ \begin{array}{l} \theta_1 = \theta_1(t) \\ \theta_2 = \theta_2(t) \\ t \rightarrow t(t) \\ \theta_1 = \theta_1(s) \\ \theta_2 = \theta_2(s) \\ T = T(s) \end{array} \right.$$

$$\theta_2: \left\{ \begin{array}{l} J \ddot{\theta}_2 = -K(\theta_2 - \theta_1) - B \dot{\theta}_2 \end{array} \right.$$

$$\theta_1: \left\{ \begin{array}{l} J \ddot{\theta}_1 = -K(\theta_1 - \theta_2) + T \end{array} \right.$$