

$$\begin{aligned} \boldsymbol{E} \frac{d\boldsymbol{x}}{dt} &= \boldsymbol{A}\boldsymbol{x} + \boldsymbol{B}\boldsymbol{u} \\ \boldsymbol{y} &= \boldsymbol{C}\boldsymbol{x} + \boldsymbol{D}\boldsymbol{u} \end{aligned} \tag{1}$$

$$\left| \begin{array}{c} x \\ y \end{array} \right| \tag{2}$$

$$\left| \begin{array}{c} x \\ y \end{array} \right| \tag{3}$$

$$\left\| \begin{array}{c} x \\ u \end{array} \right\| \tag{4}$$