$$\dot{\mathbf{x}} = \underset{n}{\underbrace{\begin{Bmatrix}\begin{bmatrix}\\ \mathbf{A} \\ \\ \end{bmatrix}\end{Bmatrix}}}\underset{1}{\underbrace{\begin{Bmatrix}\begin{bmatrix}x_1\\x_2\\x_3\\x_4\\x_5\\x_6\end{bmatrix}\end{Bmatrix}}} n + \underset{p}{\underbrace{\begin{Bmatrix}\begin{bmatrix}\\ \mathbf{B} \\ \\ \end{bmatrix}\end{Bmatrix}}}\underset{1}{\underbrace{u}} p$$

$$\underset{1}{\underbrace{m\left\{\begin{bmatrix}\\ \mathbf{y} \\ \\ \end{bmatrix}\right.}} = \underset{n}{\underbrace{m\left\{\begin{bmatrix}\\ \mathbf{C} \\ \\ \end{bmatrix}\right.}}\underset{1}{\underbrace{\begin{bmatrix}x_1\\x_2\\x_3\\x_4\\x_5\\x_6\end{bmatrix}}} n \qquad \underset{1}{\underbrace{m\left\{\begin{bmatrix}\\ \mathbf{V} \\ \\ \end{bmatrix}\right.}} \quad \underset{1}{\underbrace{n\left\{\begin{bmatrix}\\ \mathbf{W} \\ \\ \end{bmatrix}\right.}}$$

$$\underset{n}{\underbrace{n\left\{\begin{bmatrix}\\ \mathbf{P} \\ \\ \end{bmatrix}\right.}} \qquad \underset{n}{\underbrace{n\left\{\begin{bmatrix}\\ \mathbf{Q} \\ \\ \end{bmatrix}\right.}} \qquad \underset{m}{\underbrace{m\left\{\begin{bmatrix}\\ \mathbf{R} \\ \\ \end{bmatrix}\right.}} \qquad \underset{m}{\underbrace{n\left\{\begin{bmatrix}\\ \mathbf{K} \\ \\ \end{bmatrix}\right.}}$$