

Hello world!

My name is Dawei Sun. This is my first homework for ECE 515. The requested equation, typeset in LaTeX is:

$$\dot{x} = \begin{bmatrix} 0 & 1 \\ 2 & 3 \end{bmatrix} x + \begin{bmatrix} 4 \\ 5 \end{bmatrix} u \quad x \in \mathbb{R}^n$$