Day Z

Velocity control example + State space models

AE 353

Spring 2022

Bret1

While we are waiting to start...

- 1. Go to the schedule page on the course website: https://tbretl.github.io/ae353-sp22/schedule
- 2. Click on the "WS2" link in the activity column
- 3. Click on the "Workspace: Wheel demo" question
- 4. Click on "Open workspace"

$$x = \begin{bmatrix} 8 - 8 \text{ des} \end{bmatrix} \quad u = \begin{bmatrix} 7 \end{bmatrix}$$

$$\dot{x} = \begin{bmatrix} \hat{8} \\ \hat{V} \end{bmatrix} = \begin{bmatrix} A \times + B u \\ 1 & 2 \times 2 \end{bmatrix}$$

$$2 \times 1$$

$$2 \times 2$$

$$2 \times 1$$

$$2 \times 2$$

$$2 \times 1$$

$$2 \times 2$$

$$2 \times 3$$

$$2 \times 4$$

$$3 \times 4$$

$$4 \times 4$$

$$4 \times 4$$

$$5 \times 4$$

$$6 \times 4$$

$$7$$

$$8 \times 4$$

$$8 \times 4$$