

# EE 105 **Feedback control systems**

Kalman filters with more than one state variable

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# Another explanation

# Other ways to think about the gain

# What if we have two measurements?

Suppose we have a gyro + accelerometer

# Moving to matrices

# Full forms of the equations

We have some mapping of inputs to state (**B**)

We have some mapping of state to outputs (**C**)

**Time for some MATLAB**

# Drones!

Proper assignment description is now up!

Pick up your motors; other parts will be outside my office