



Design and 3D print a radar fixture

Abstract

In this assignment, you will complete the Gyro code we had in the class and record a short video showing that you rotate the sensor along its X/Y/Z axis each for around 90 degrees with data plotted via Serial plotter. The data should be the rotational angle along each axis in degree.

Description

Note that because we only use Gyro data for this assignment, the plotted data will drift over time. However, for the initial 30s or so the result should be still fairly stable.

* remember to calibrate the gyro data first.

These two documents will be useful for this assignment: [MPU9250 Datasheet](#); [MPU9250 Register Map](#).

Delivery

There are two deliverables and one optional submission.

- First, your code. You can put them in a zip file if needed.
- Second, a quick video demo of your experiment.

Due Date

Wed Oct 26th, 11:59 PM EST