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Real-Time Systems

2-LAB Inertial Measurement Unit sensor

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Lab 2 IMU sensor

Based on the MinimalistExample of the SparkFunLSM6DS3 library, develop a code for the Arduino Mega board that captures pitch and roll angles based on accelerometer readings

Connect IMU sensor to Arduino as follows:

      Vin to 5V

      GND to GND

      SCL to SCL

      SDA to SDA

Write a brief report analyzing the Worst Case Execution Time of the measurement task

Send code and report to the raco