

## IMU Sensor Fusion With Simulink

This example shows how to generate and fuse IMU sensor data using Simulink®. You can accurately model the behavior of an accelerometer, a gyroscope, and a magnetometer and fuse their outputs to compute orientation.

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The Magnetic Field parameter on the IMU is set to [ 27.5550, -2.4169, -16.0849 ]  $\mu$ T.

The magnetic declination at this point on the Earth is 4.7 degrees.

