

Other sensors

The **IMU** may provide absolute **3D position** if used in combination with a **GNSS** application. In addition, the **gyroscope** and **accelerometer** of the sensor can be used to **estimate the orientation** and **roll** of the navigation system, e.g. to compensate for **roll** in a **vehicle**.



Practice



IMU and Navigation Data Sources

IMU: General Inertial Sensor

Provides data such as:

- Roll, pitch, yaw, heading, velocity
- Acceleration, angular velocity, and orientation (roll, pitch, yaw)