Robot Position

Error: X - position

Root Mean Square Error 0.001059

% Error (y-axis): 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

time (s) (x-axis): 0, 1, 2, 3, 4, 5, 6

Error: Y - position

Root Mean Square Error 0.001122

% Error (y-axis): 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

time (s) (x-axis): 0, 1, 2, 3, 4, 5, 6

Robot Angle

Error: Angle

Root Mean Square Error 0.251236

Robot Angular Velocity True Values

Error: Angular Velocity (True Values)

Root Mean Square Error 0.024066

Front Lidar Sensor

Error: Front Lidar Sensor

Root Mean Square Error 0.038407

Right Lidar Sensor

Error: Right Lidar Sensor

Root Mean Square Error 0.031583

Robot Angular Velocity Gyro Values

Error: Angular Velocity (Gyro Values)

Root Mean Square Error 0.093269

Comapass x component

Error: Magnetic x-axis

Root Mean Square Error 0.053509

Comapass y component

Error: Magnetic y-axis

Root Mean Square Error 0.048926

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