

# two\_stationary Turtlebot 1 Report

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This is a summary of the data from the two\_stationary experiment, Turtlebot #1.

The runtime of this experiment was 1 hours, 59 minutes, and 3659.5 seconds.

Shown below is the summary of each filter's error for both x and y coordinates, and also the error in total distance.

```
summary(t1_continuous$x_error)
```

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	-2.800e-07	1.483e-02	2.965e-02	2.965e-02	4.448e-02	5.930e-02

```
summary(t1_continuous$y_error)
```

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	-1.000e-10	4.074e-05	1.593e-04	2.083e-04	3.514e-04	6.121e-04

```
summary(t1_continuous$dist_error)
```

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	2.000e-08	1.483e-02	2.965e-02	2.965e-02	4.448e-02	5.931e-02

```
summary(t1_discrete$x_error)
```

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	-2.800e-07	1.483e-02	2.965e-02	2.965e-02	4.448e-02	5.930e-02

```
summary(t1_discrete$y_error)
```

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	-1.000e-10	4.074e-05	1.593e-04	2.083e-04	3.514e-04	6.121e-04

```
summary(t1_discrete$dist_error)
```

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	2.000e-08	1.483e-02	2.965e-02	2.965e-02	4.448e-02	5.931e-02