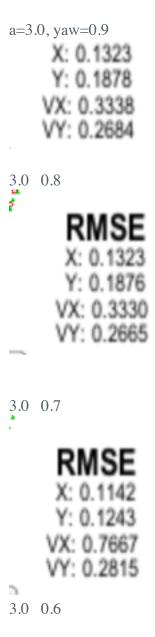
f you are using the older version of the project with two data sets, criteria for passing are:

that the px, py, vx, vy output coordinates have an RMSE <=[0.09, 0.09, 0.65, 0.65] when using the file: "sample-laser-radar-measurement-data-1.txt" that the px, py, vx, vy output coordinates have an RMSE <=[0.20, 0.20, 0.55, 0.55] when using the file: "sample-laser-radar-measurement-data-2.txt"



RMSE

X: 0.1325

Y: 0.1873

VX: 0.3325 VY: 0.2642

2.8 0.7

î

RMSE

X: 0.1969

Y: 0.1841

VX: 0.6674

VY: 0.3163

3.0 0.7

RMSE

X: 0.1324

Y: 0.1875

VX: 0.3325

VY: 0.2650

3.0 1.0

RMSE

X: 0.1832

Y: 0.1723

VX: 0.6676

VY: 0.3326

3.2 0.7

RMSE

X: 0.1724

Y: 0.1618

VX: 0.6679

VY: 0.3399

3.0 0.7

î RMSE X: 0.0958 Y: 0.1066 VX: 0.3067 VY: 0.2729 3.0 0.65 X: 0.1324 Y: 0.1874 VX: 0.3324 VY: 0.2645 2.9 0.7 X: 0.1166 Y: 0.1259 VX: 0.7529 VY: 0.2534 2.8 0.7 X: 0.1366 Y: 0.1920 VX: 0.3285 VY: 0.2630

2.8 0.8

RMSE

X: 0.1366

Y: 0.1922

VX: 0.3291

VY: 0.2644

2.8 0.75

RMSE

X: 0.1391

Y: 0.1948

VX: 0.3184

VY: 0.3067

2.9 0.75

RMSE

X: 0.1978

Y: 0.3021

VX: 0.7821

VY: 0.5541

3.0 0.75



RMSE

X: 0.1323

Y: 0.1875

VX: 0.3327

VY: 0.2657

3.0 0.72

RMSE

X: 0.1142

Y: 0.1244

VX: 0.7667

VY: 0.2817

3.1 0.72

RMSE

X: 0.1304

Y: 0.1854 VX: 0.3345

VY: 0.2663

3.1 0.7

ċ

RMSE

X: 0.1304

Y: 0.1853

VX: 0.3344

VY: 0.2660

2.5 0.8

RMSE

X: 0.1441

Y: 0.2001

VX: 0.3230

VY: 0.2617

2.5 0.7

RMSE

X: 0.1442

Y: 0.1999

VX: 0.3225

VY: 0.2602

3.0 0.7

RMSE X: 0.1143 Y: 0.1244

VX: 0.7674 VY: 0.2816