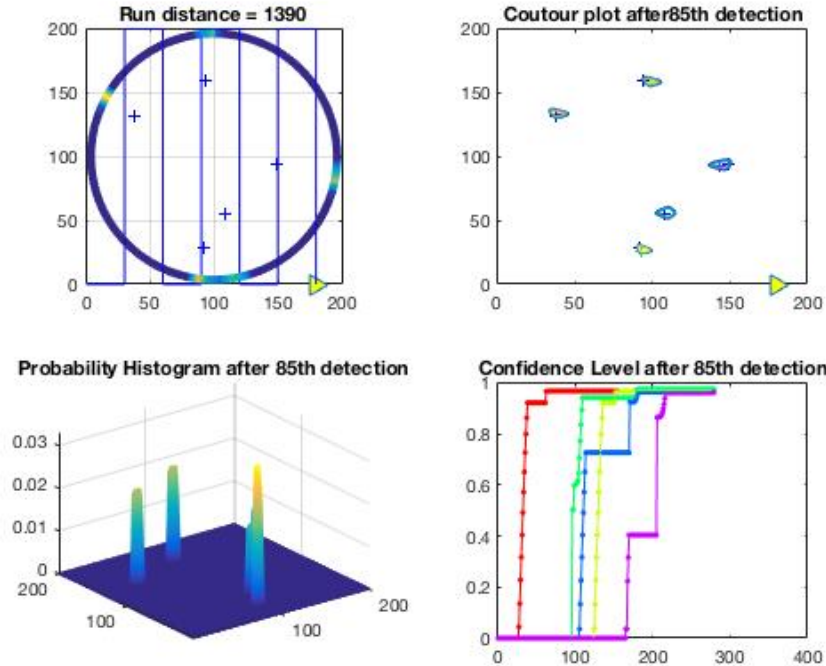


Work report

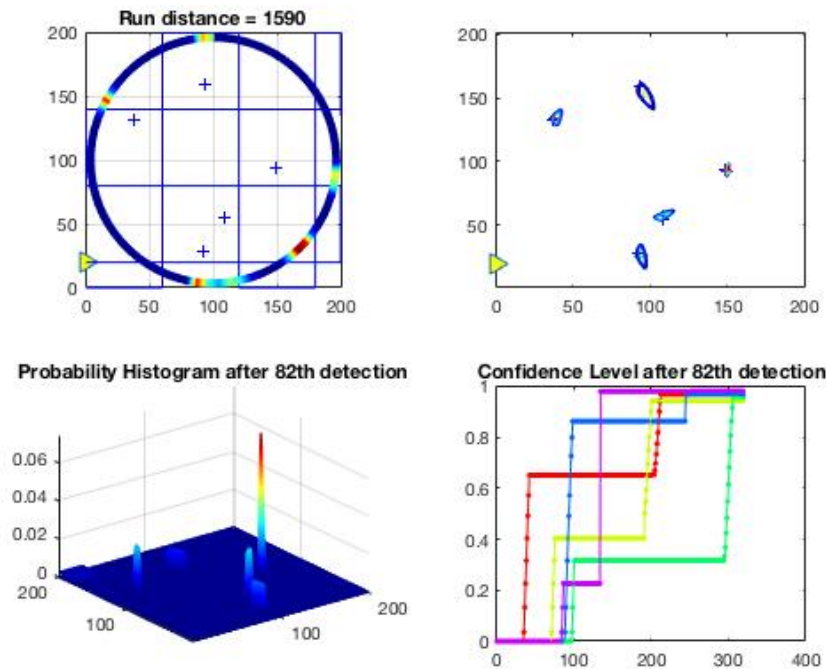
“Compass” implement compare with previous result:

Simple path planning:

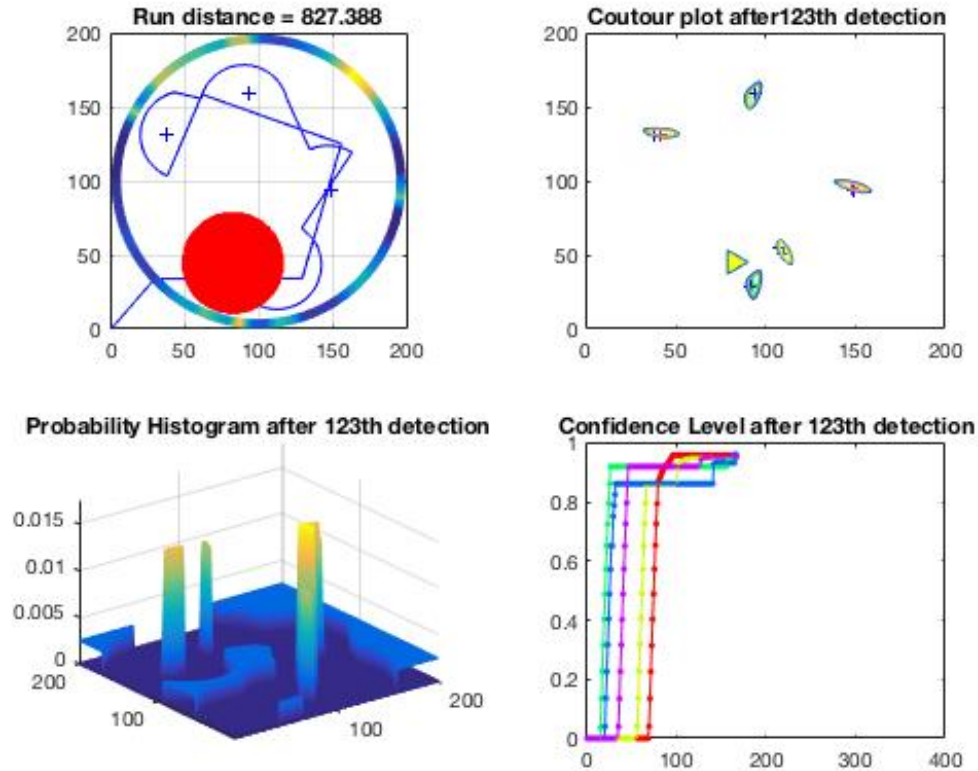
Scan: resolution 30



Double scan: Resolution 60

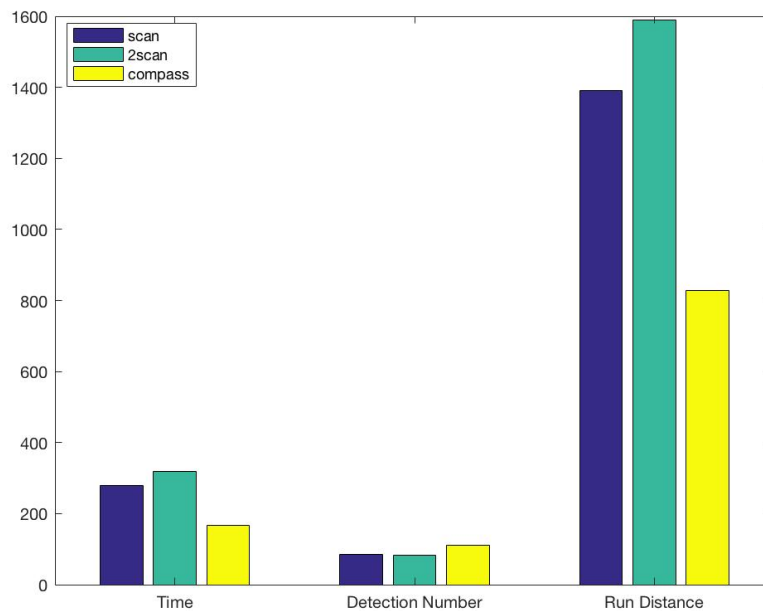


Control boat based on the “compass and new strategy



Actually detection number is 110. Because the code is not totally completed.

Result compare:



Average confidence level:

Scan: 0.9679

2scan: 0.9667

compass: 0.9561 (I set stop running until all confidence level above 0.95)

Conclusion:

1. “compass” controlled boat can dramatically reduce run distance with all sensor confidence level above 95%.
2. “compass” nearly use half time to complete localization
3. we can conclude that “compass” has highest efficiency from the result of Detection number.

What I need Dr. Becker to do:

I want to schedule a **meeting** with you to talk about starting write M.S thesis.