**Underwater localization algorithm question and solutions**

**Solved working on Unsolved**

1. How the Kalman filter works?

**Solution**: complete 1D simulation help comprehend

1. How to find the sensor position in an area without high accuracy distance measurement result and orientation?

**Solution:** Bayes’ rule

1. How to avoid time synchronize in localization procedure?

**Solution:** range-free localization algorithm

1. How to improve accuracy of localization result after Bayes’s rule estimated?

Solution: 1. Improve resolution of histogram (Don’t know how to do)

2. Use Kalman filter