

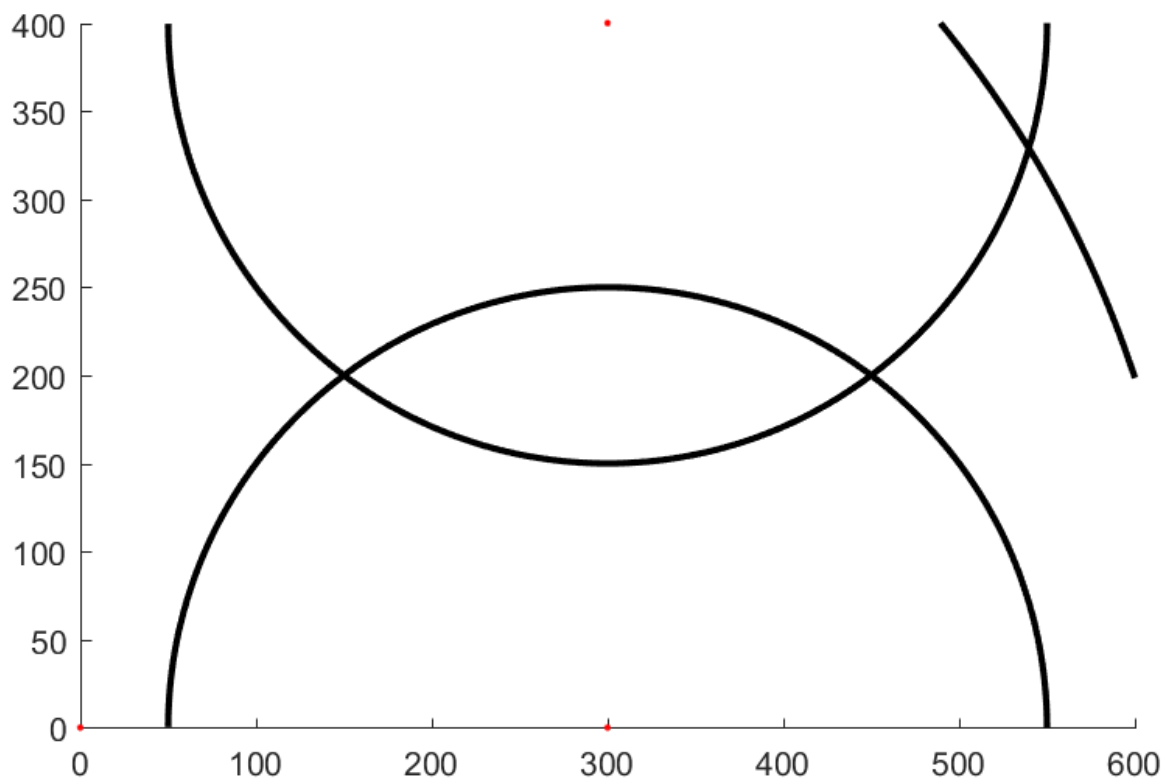
# Homework 5

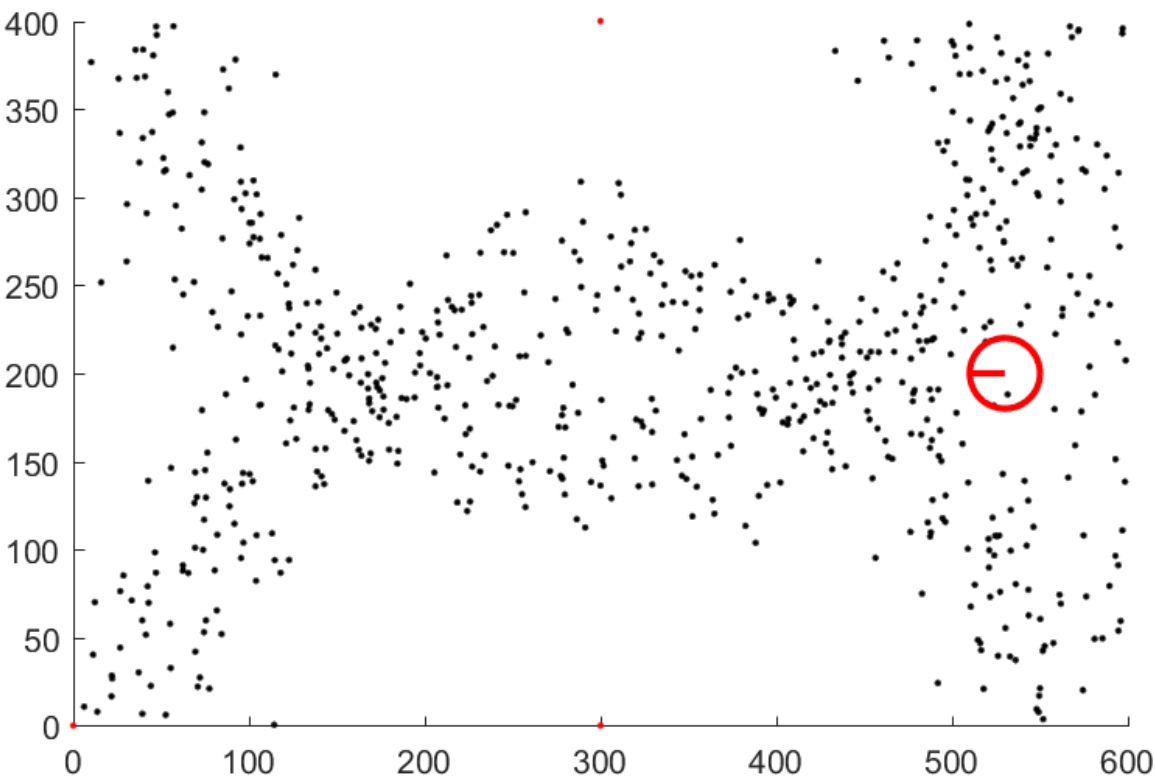
---

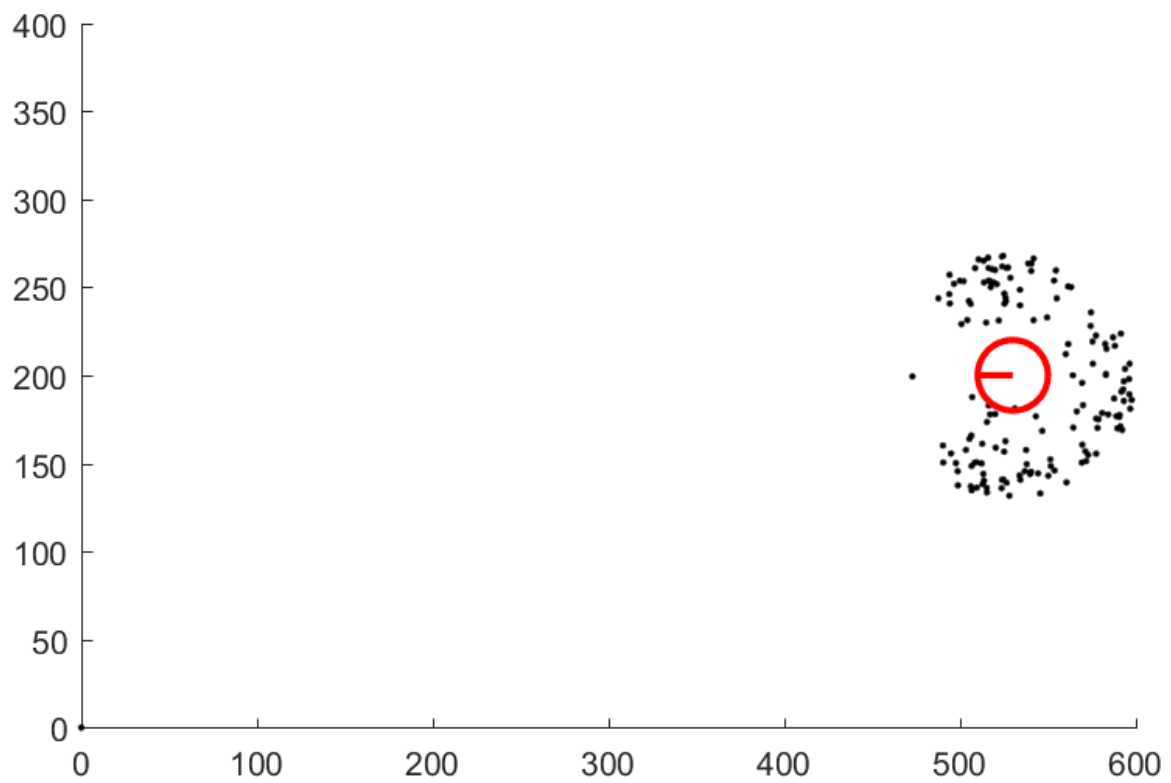
11510352 李子强

## Problem 1

Given the following observation models, please use importance sampling and resampling techniques to estimate the robot location.







## Problem 2

Given a map and the ultrasound sensor model, please use importance sampling and resampling techniques to estimate the robot location and path.

