

Introduction to Robotics

Homework F

Last week you picked a problem from your two choices. This week you will expand your solution.

Maze Problem Continuation

Your robot can negotiate the maze successfully using exhaustive search.

The new task is to let your robot run through the maze once using exhaustive search (to learn it), and then when asked to run the maze again using it's computed correct path.

Ultrasound Sensor

Your robot can successfully approach the nearest object and stop 4 cm away.

You have a choice for this assignment.

You can now push the object until it leaves a 70cm diameter circle, or have it follow a line while keeping the object on the line for 70cm.

The object may not be a ball since this would be too easy.