

Introduction to Robotics

Homework C

Morse Code Addition

Modify your Morse Code program from last week. You will probably need the FSM discussed in class.

- Make your previous program send Morse code continuously. As simple as looping what you have already.
- When the TOP button is pressed increase the sending speed (perhaps decreasing the `unit` time by 10 ms. Do this each time the button is pressed.
- When the top button is held (> 2 secs) reset the speed to the default.

Robot Problem

On your foamcore place three strips of black tape in the form of a 120 degree *Y* but the junction should have no tape for a diameter of 10 inches.

If you place your robot on one leg of the *Y* it should find and explore the other two `legs` and stop.

The difficulty will be when it comes to the end of the leg you originally placed it on, it must explore to find the other two legs.