

In-class Exercises

ART185 Intelligent Machine Vision
April 12th, 2018

Finishing the exercises in groups.

All the team members in the group will 2.5 bonus points for finishing each exercise.

Exercises I (40mins)

Based on the MotorTest example from Zumo 32U4 library, write a program to let the robot walk in a rectangular shape.

Tips:

1. Program the robot to go straight.
2. Program the robot to make a turn after going straight for a while.
3. Repeat the step 1 & 2.

Exercises II (40 mins)

Based on the ServoControl example from the course GitHub (https://github.com/RodgerLuo/robotic-vision/blob/master/Pi_Demos/servo_demo.py), write a program to horizontally move the camera. Specifically, (1) make the starting position of the camera on the leftmost position; (2) move the camera to the rightmost position; (3) move the camera to the leftmost position; (4) keep repeating step 2 and 3.