

Lab 7 checklist

① git clone

- robotics_lab7
- robotics_lab4
- robotics_lab6
- report2
- robot_vision_lectures
- ur5e_control

② catkin_make

③ roscore

④ Simulator: Downloads > ./play_data.sh

Real Robot: roslaunch realsense2_camera rs_rgbd.launch

⑤ roslaunch robotics_lab4 detect_ball.py

⑥ roslaunch robot_vision_lectures crop_visualize_3D

⑦ roslaunch robotics_lab6 sphere_fit.py

⑧ roslaunch ur5e_control frame_publisher.launch

⑨ roslaunch rviz rviz

- open config > UR5E_control > robot_ball.rviz

⑩ Simulation: roslaunch ur_gazebo ur5e_bringup.launch

roslaunch ur5e_control ur5e_controller

roslaunch ur5e_control task_space_trajectory

real robot: roslaunch ur5e_control ur5e_ros_connection.sh

roslaunch ur5e_control ur5e_controller.launch

⑪ roslaunch robotics_lab7 final_initialization.py

roslaunch robotics_lab7 final_planner.py

can I put
detect_ball.py +
sphere_fit.py into
my lab7 scripts?
So I don't have to
clone as much