Robot Operating System

Lab 5: Gazebo and robot descriptions

work in progress for 2024 intake

1 Goals

This lab aims to have a better understanding on what is a robot description ([URDF format](#)) and how to set up a dynamic simulation for robot arms and mobile robots.

Note   contrary to the other labs, this one might have trouble running in a virtual machine due to the computation load from Gazebo

Compiling and running the package

The package should be compiled by `colcon` to have the files discoverable by ROS 2:

```
ros2ws
cd ~/ros2
colbuild -p lab5_gazebo
```

2 Robots in RViz: links and joints

3 Robots in Gazebo: inertias and plugins