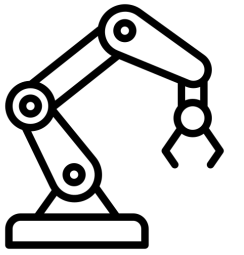# Lab Instruction

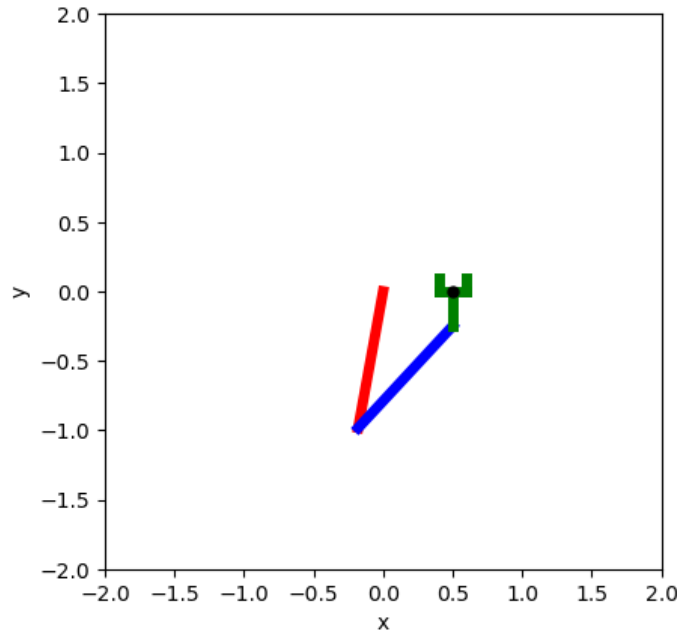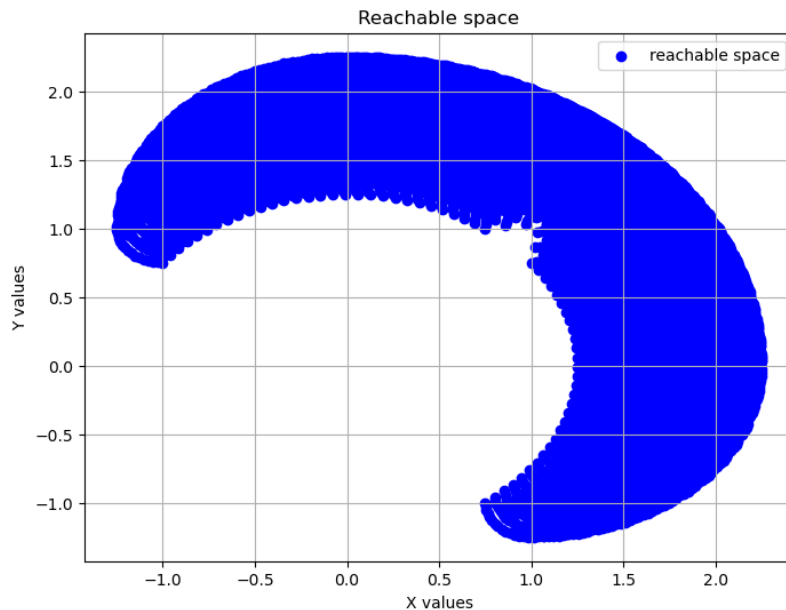**ROB 701 Introduction to Robotics**

Assignment 1:

Follow the instruction and *complete the coding*.

https://github.com/RealGaule/ROB701_Lab/blob/master/Lab_1009.ipynb

For FK, you're expected to get the reachable set like the left bottom figure.
For IK, you're expected to get the visualization like the right bottom figure.

Assignment 2:

Write a report to:

(1) Summarize the concise formular expression for the FK and IK your implemented in Assignment 1
(2) Discuss how many solutions exist in the IK of Assignment 1. Discuss the singular condition as well.
(3) Investigate and report canonical IK methods in literature.

Deliverables:

❑ Jupyter Notebook
❑ Written Report

Reachable space

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