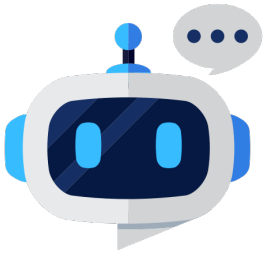
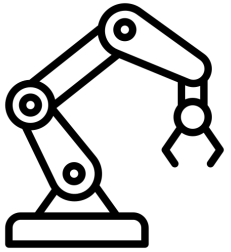


Lab Instruction

ROB 701 Introduction to Robotics



Assignment 1:

Follow the instruction and *complete the coding*.
https://github.com/RealGaule/ROB701_Lab/blob/master/Lab_1016.ipynb

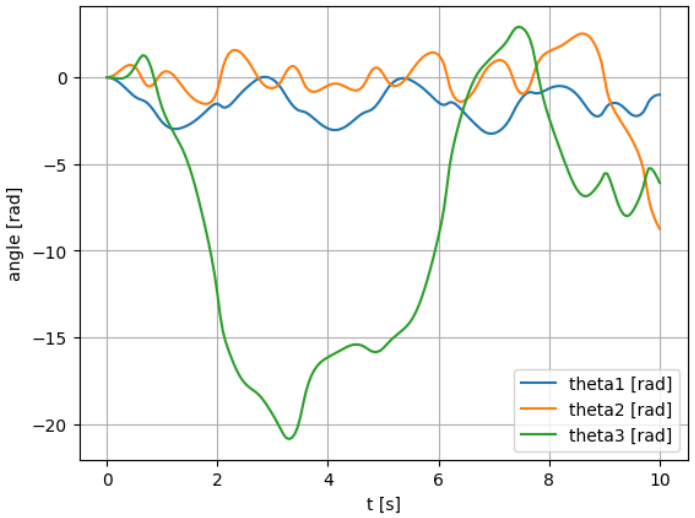
You are expected to get the following results in the evaluation section:
Left: angle-time figure plot
Middle: robot animation
Right: Energy conservatism verification.

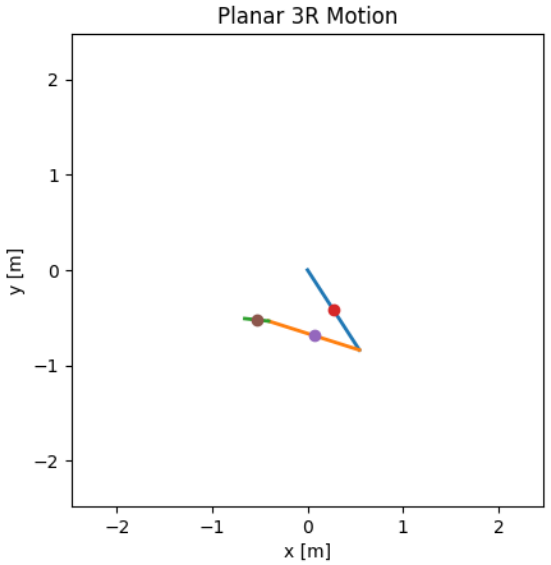
Assignment 2:

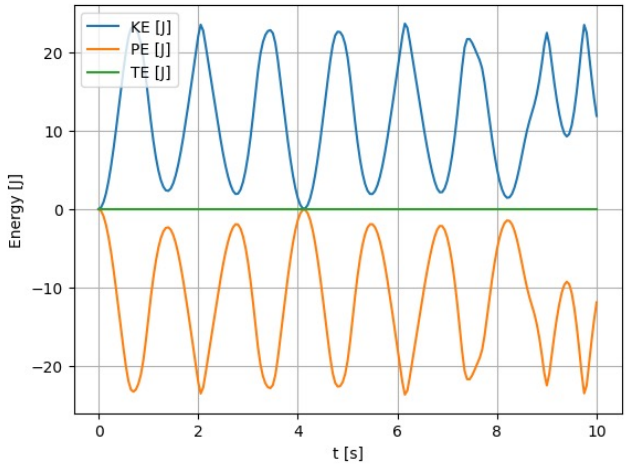
Write a report to:

(1) Summarize the concise formular expression for Lagrange dynamics your implemented in Assignment 1.

(2) Investigate alternative dynamics modeling methods (e.g., the Recursive Newton–Euler Algorithm) and discuss their advantages and limitations.







Deliverables:

- ❑ Jupyter Notebook
- ❑ Written Report

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