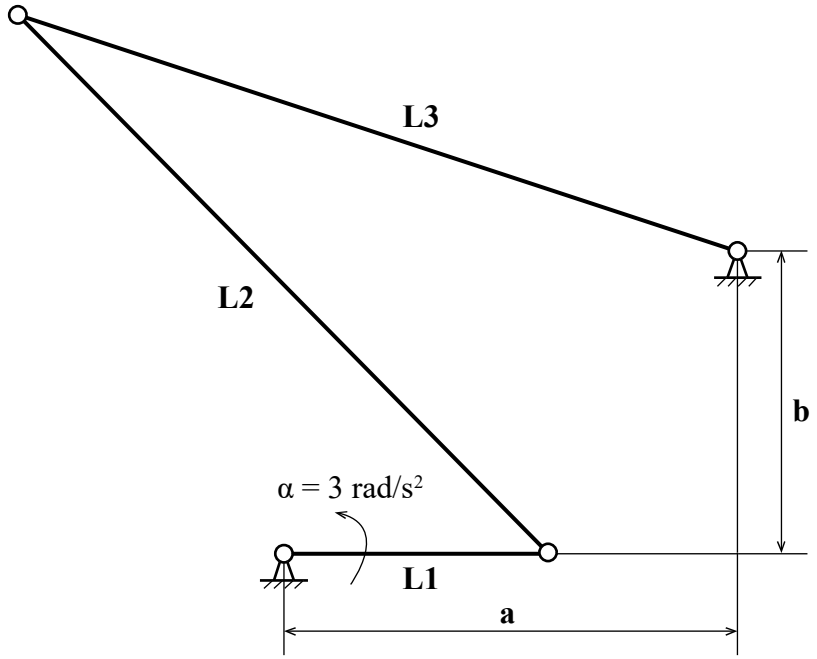
Project 2

Consider the three-bar-linkage mechanism shown below. For a constant rotational acceleration **α** of link ***L1***, determine and plot the angular velocities and angular accelerations of links ***L1***, ***L2*** and ***L3*** for one cycle of rotation of ***L1***. Choose ***L1***, ***L2*** and ***L3*** as **0.35 m**, **1 m** and **1 m** respectively. Also choose **'a'** and **'b'** as **0.6 m** and **0.4 m** respectively. The angular acceleration **α** of link ***L1*** is chosen to be **3 rad/s²**. The linkage mechanism starts from rest with $\boldsymbol{\omega = 0}$ at this instant.



REMARKS

1. Please provide the necessary analysis and procedures.
2. Please utilize the computer to plot your data.
3. Please attach your code in the appendix.
4. Please submit **PDF** format on BB (Blackboard), in case of loading errors.
5. The deadline for this assignment is **8:00 p.m.** on **June 20, 2021**.

6. Please note that any late submission and incorrect file format will result in a point deduction.
7. Please check your assignment carefully before you submit it. Everyone has **three chances** to submit the assignment. The assignments submitted outside BB is invalid.
8. You can query your grades and the assignment feedback on BB after we score.