Course Project

Maximum number of students: 4
Due date: 27 Mar. 2017

Project description

Build a script (by using MATLAB or your favorite programming language) that gives the following outputs for RRR planer robot:

1) The **robot working area** (Links' lengths and joints' ranges are the input data provided by the user).
2) The **inverse kinematic** solution for joints' angles (Links' lengths, a, b and θ for end effector are the input data provided by the user).
3) The value of **maximum torque** at each robot joint that hold a given load $\begin{bmatrix} F_x & F_y & M \end{bmatrix}^{\mathrm{T}}$ on the robot end effector. (Links' lengths, joints' ranges and external load are the input data provided by the user)

The program should read all input data from a text file.