

THE MINISTRY OF SCIENCE AND HIGHER EDUCATION
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ITMO University
(ITMO)

Faculty of Control Systems and Robotics

Report of 3rd lab
for the subject
“Simulation of Robotic Systems”

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1 PROBLEM

In this work, we have to create a model of 2 planar connected using tendon.

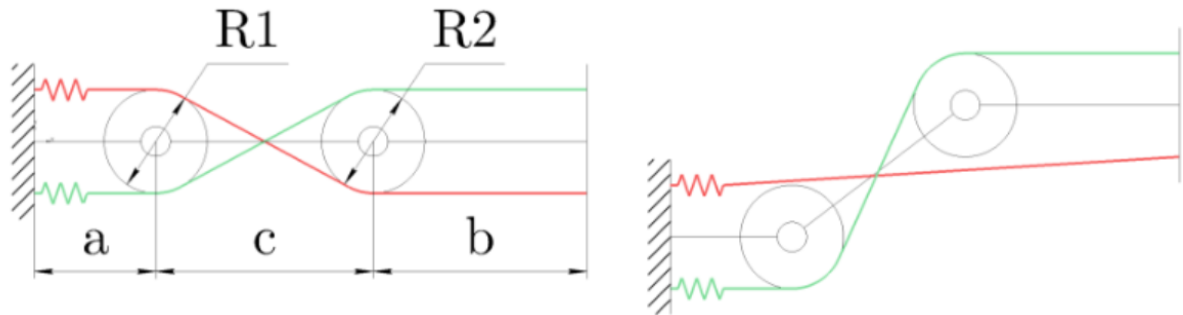


Figure 1 — Schema from the task

My variant for the problem is shown below:

R1	R2	a	b	c
0.021	0.017	0.045	0.099	0.043

Table 1 — System parameters

2 SOLUTION

The model can be viewed in the included XML file

3 RESULT

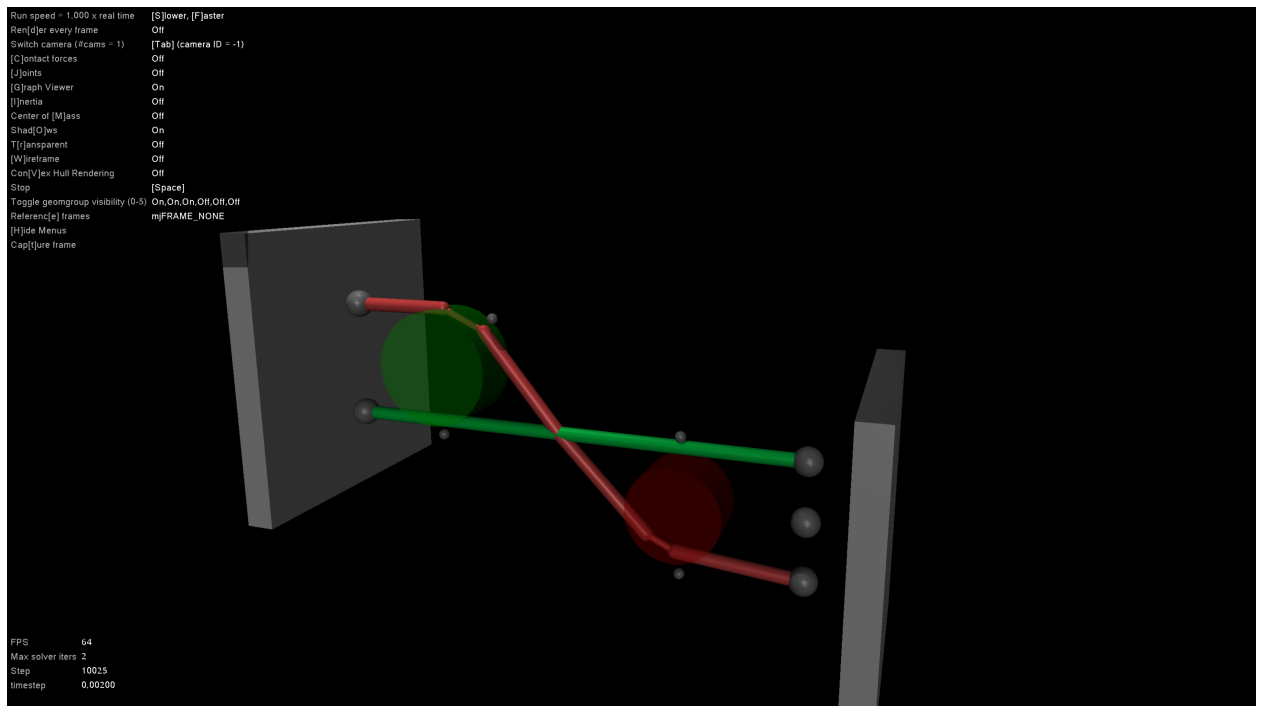


Figure 2

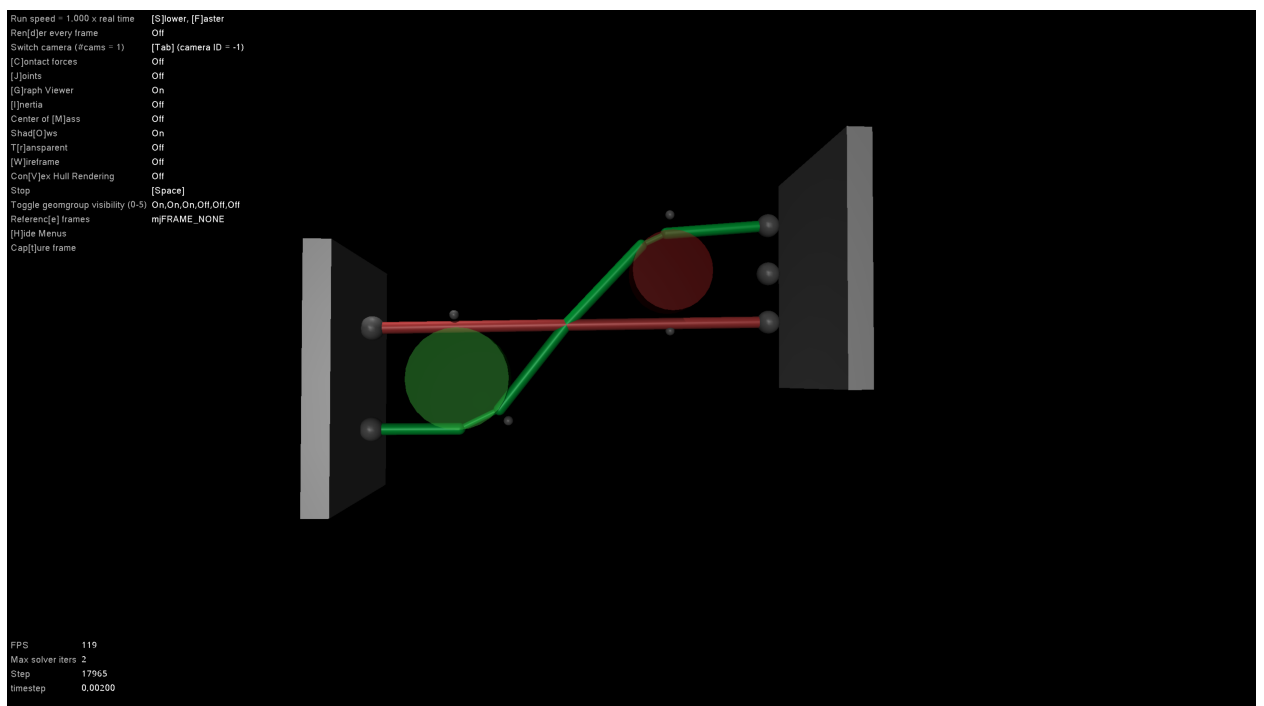


Figure 3

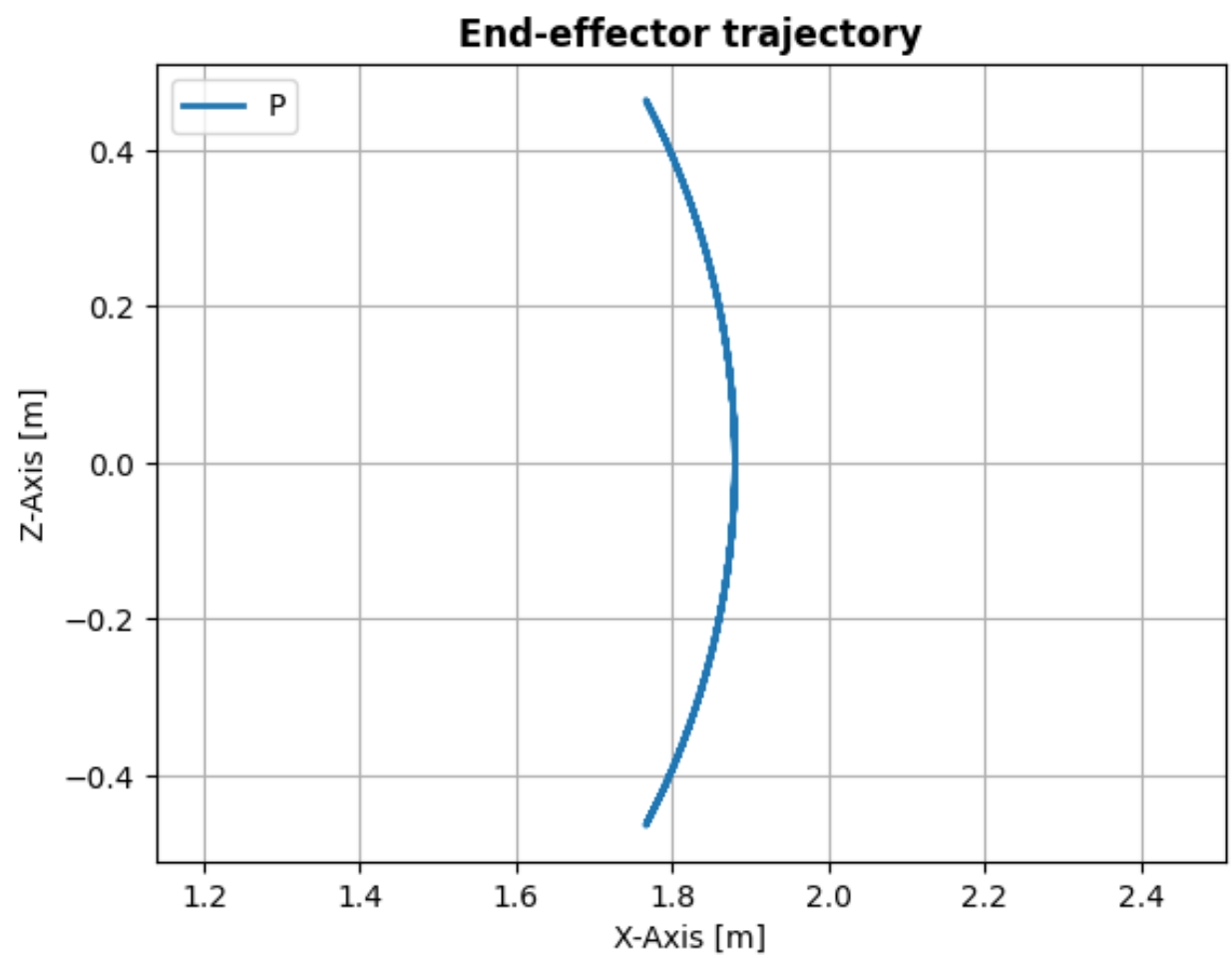


Figure 4 — Trajectory of the effector