

Tutorial to test V-REP MATLAB communication.

1_ install V-REP pro Edu V3.5.0 from the site:

<http://coppeliarobotics.com/downloads.html>

2_ open v-rep and the scene under [unzipped-path]\RoboticLeg\ex04ex05\scene\Exercice1 Leg.ttt

3_ run the simulation pressing the play button

4_ open and run the Matlab script:

C:\Users\eric\Desktop\RoboticLeg\ex04ex05\code\common\vrep\SimpleTest.m

If you move you mouse inside the v-rep simulation, it should return you on the Matlab side the Mouse Position in x for few seconds. If not something went wrong.

5_ if something went wrong,

Type in MATLAB: computer

This will tell you if your matlab version is 32 or 64 bits

If you have a 32bit matlab, go to the installation folder of V-REP (this one is for windows... on linux I don't know where it is)

C:\Program Files\V-REP3\V-REP_PRO_EDU\programming\remoteApiBindings\lib\lib\Windows\32Bit

Copy and paste **remoteAPI.dll** or **remoteAPI.so** on linux inside the unzipped folder in

pathToUnzippedFolder\RoboticLeg\ex04ex05\code\common\libs\matlab\XXXXLibrary32Bit

where **XXXX** is **windows** for the 32 bits .dll file and **linux** for the 32 bits .so file

if matlab tells you something64 after typing **computer** in it then you have a 64 bits matlab and need to go:

C:\Program Files\V-REP3\V-REP_PRO\programming\remoteApiBindings\lib\lib\Windows\64Bit

Then copy and paste **remoteAPI.dll** or **remoteAPI.so** on linux inside the unzipped folder in

pathToUnzippedFolder\RoboticLeg\ex04ex05\code\common\libs\matlab\XXXXLibrary64Bit

If after that the matlab script simpleTest.m is still not connecting to V-REP then you'll need to see me to solve the problem.