Instruction Manuel
test_deplacement_robot.py

- **Step 1** : execute the « test_deplacement_robot3.py » python file (the 4th version doesn't work because it was a test to try a quaternion implementation) in a command prompt

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Controls for the camera :

To pan the camera :

up : z

down : s

left : q

right : d

Zoom in = numpad 9

Zoom out = numpad 3

Rotations :

In relation to the x axis (magenta) :

A to turn left

E to turn right

Y axis (Yellow) :

Up arrow to turn right

Down arrow to turn left

Z axis (Blue) :

Right arrow to turn right

Left arrow to turn left

To exit the simulation press the escape key

- **Step 2** : press Enter while being on the simulation window

- **Step 3** : Type one of the following orders
  « roll » : the robot will roll on itself
  « move » : the program will ask to move either backward or forward

- **Step 4** : after choosing the desired the direction the program will ask you by how much do you want to expand the 4 actuators

- **Step 5** : the robot can retract all the actuators automatically resetting them to 0 or you can choose by how much you retract them (doesn't work very well sometimes)

- **Step 6** : The trajectory should display on the simulation window

  ➔ **Return to step 1**

Annexe

Diagramme du robot