

Assignment 6

Aufgabe 2

Da unser Auto (120) auf einen SpeedCommand von 0.2 m/s gar nicht reagiert hat, haben wir die Experimente mit einer Geschwindigkeit von 1.4 und einer Dauer von 2 Sekunden durchgeführt.

Ergebnisse (output von `calibrate_ticks.py`):

Calibration run with speed: 1.4, angle: 1.0 for 2.0 seconds: Ticks: 317 Distance: 1.2576 Ratio: 0.0040

Calibration run with speed: 1.4, angle: 0.0 for 2.0 seconds: Ticks: 357 Distance: 1.2577 Ratio: 0.0036

Calibration run with speed: 1.4, angle: -1.0 for 2.0 seconds: Ticks: 332 Distance: 1.3 Ratio: 0.0039

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1  ..c/Users/loren  2  ~/src  +
import roslib
File "/opt/ros/melodic/lib/python2.7/dist-packages/roslib/__init__.py", line 50, in <module>
  from roslib.launcher import load_manifest
File "/opt/ros/melodic/lib/python2.7/dist-packages/roslib/launcher.py", line 42, in <module>
  import rospkg
File "/usr/lib/python2.7/dist-packages/rospkg/__init__.py", line 41, in <module>
  from .manifest import InvalidManifest, Manifest, parse_manifest_file
File "/usr/lib/python2.7/dist-packages/rospkg/manifest.py", line 40, in <module>
  import xml.dom.minidom as dom
File "/usr/lib/python2.7/xml/dom/minidom.py", line 22, in <module>
  from xml.dom.xmlbuilder import DOMImplementationLS, DocumentLS
File "/usr/lib/python2.7/xml/dom/xmlbuilder.py", line 3, in <module>
  import copy
File "/usr/lib/python2.7/copy.py", line 49, in <module>
  """
KeyboardInterrupt
ros@odroid ~/src$ python calibrate_ticks.py "1.4" "1." 2
('Calibration run with speed: ', 1.4, ', angle: ', 1.0, 'for ', 2.0, 'seconds.')
('Ticks: ', 317)
('Distance: ', 1.2576491222541475)
('Ratio: ', 0.003967347388814346)
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ros@odroid ~/src$ python calibrate_ticks.py "1.4" "0." 2
('Calibration run with speed: ', 1.4, ', angle: ', 0.0, 'for ', 2.0, 'seconds.')
('Ticks: ', 357)
('Distance: ', 1.3)
('Ratio: ', 0.0036414565826330533)
^[A^C
ros@odroid ~/src$ python calibrate_ticks.py "1.4" "-1." 2
('Calibration run with speed: ', 1.4, ', angle: ', -1.0, 'for ', 2.0, 'seconds.')
('Ticks: ', 332)
('Distance: ', 1.3000000000000003)
('Ratio: ', 0.003915662650602411)
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ros@odroid ~/src$

```