Series 6. Camera Calibration + Git + LaTeX

Robotics, BSc Course, 2nd Sem., Prof. Béat Hirsbrunner, Simon Studer

Handout on Thursday, 26 March 2015 Due on Tuesday, 31 March 2015, 22:00

Reading

a. Study the Git tutorial: try.github.io

b. Study the LaTeX tutorial: www.latex-tutorial.com, and install Texmaker http://www.xm1math.net/texmaker/

Useful Links

a. Git cheat sheets: training.github.com/kit/downloads/github-git-cheat-sheet.pdf and www.git-tower.com/blog/git-cheat-sheet-detail

b. LaTeX general symbols: detexify.kirelabs.org.

Hint: Git can also be used to track the changes made to the latex source file.

1. Camera (revisited)

a. Improve your answers of the previous week with the help of the corrections and comments presented in class, and if possible propose a "calibration script" allowing to rapidly calibrate an e-puck or a set of e-pucks.

b. Add an extension to your existing code, so the robots can approach the object they are looking for.

Use Git and LaTeX for this exercise.

Hand in. Upload your answers as well as your source code from the physical arena to http://diuf.unifr.ch/pai/rob > Upload by following the online recommendations.