University of Salzburg — Lecturer: Roland Kwitt

Computer Vision – Proseminar (911.909)

Exercise sheet A (Oct. 10, 2016) — Hand-in by **Oct. 25, 2016**

Feature Detection

Exercise 1. 10 P.

First, to get started, download and install the MATLAB `vlfeat` toolbox from here (click on the cloud):

Second, write a short script that can load an image of your choice (e.g., some image from the web), find the right function in the VLFeat toolbox that can compute Harris corners and run the Harris corner detector on your image. **Note**: You might have to convert the image into the right format such that the Harris corner detector can run on it (look at the documentation on the VLFeat website). *Visualize the result and document your script*.

Third, look at the `vl_harris.m` source code and document this source code with respect to the computational steps that we discussed in the lecture.

Hand in a compressed file containing (1) the documented `vl_harris.m` function, (2) your documented script as well as (3) the image. In case you want to use any other programming language/environment, this is fine as long as the task is completed.

Total #points: 10 P.