Machine Learining for Computer Vision Coursework 1 Face Recognition by PCA

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1. Introduction

8614-4.jpg

Figure 1. Example of caption. It is set in Roman so that mathematics (always set in Roman: $B\sin A=A\sin B$) may be included without an ugly clash.

2. Formatting your paper

References

- [1] A. Alpher. Frobnication. *Journal of Foo*, 12(1):234–778, 2002
- [2] A. Alpher and J. P. N. Fotheringham-Smythe. Frobnication revisited. *Journal of Foo*, 13(1):234–778, 2003.
- [3] A. Alpher, J. P. N. Fotheringham-Smythe, and G. Gamow. Can a machine frobnicate? *Journal of Foo*, 14(1):234–778, 2004.
- [4] Authors. The frobnicatable foo filter, 2014. Face and Gesture submission ID 324. Supplied as additional material fg324.pdf.
- [5] Authors. Frobnication tutorial, 2014. Supplied as additional material ${\tt tr.pdf}$.

A. Appendix 1 Matlab Code

A.1. Init.m

```
% Please run this script under the root folder
clearvars -except N;
close all;
% addpaths
addpath('./internal');
addpath('./external');
% addpath ('./external/libsvm -3.18/matlab');
% initialise external libraries
run('external/vlfeat - 0.9.18/toolbox/vl_setup.m'); % vlfeat library
% cd('external/libsvm -3.18/matlab'); % libsvm library
% run('make');
% cd('../../..');
% tested on Ubuntu 12.04, 64-bit, Intel Core ?i7-3820 CPU @ 3.60GHz
B. matlab code part 2
% Please run this script under the root folder
clearvars -except N;
close all;
% addpaths
addpath('./internal');
addpath('./external');
% addpath ('./external/libsvm -3.18/matlab');
% initialise external libraries
run ('external/vlfeat -0.9.18/toolbox/vl_setup.m'); % vlfeat library
% cd('external/libsvm -3.18/matlab'); % libsvm library
% run('make');
% cd('../../..');
% tested on Ubuntu 12.04, 64-bit, Intel Core ?i7-3820 CPU @ 3.60GHz
```