Digital Image Processing (2017)

Homework 3

[Image Enhancement]

Deadline: 2017.11.13

Image Enhancement (100%)

Using C++, C, Python or Matlab, enhance low-contrast, partially-low-luminosity, noisy bmp images. There is no limit for your design.

The performance will be evaluated by:

1. Contrast
2. Luminosity
3. Noise
4. Color

[Input]   input1.bmp   input2.bmp   input3.bmp   input4.bmp
[Output]   output1.bmp   output2.bmp   output3.bmp   output4.bmp

Report: Do some discussion and explain how you do it in at most 6 pages (A4).

Digital Image Processing (2017)

Homework Rules and Grading Policy

Homework will be graded by:

1. Correctness.

2. Algorithm description

3. Discussion

Upload:

 [File Name]   hw3_StudentId.zip (ex. hw3_1234567.zip)

Remind:

1. Your C, C++, Python or Matlab code with comments

2. Your report in the format of .pdf

3. ReadMe.txt file which describes how to run your program

4. Hand in a hard-copy of your report in the class on the due date

5. Deadline

   If you have a late submission by 1 to 7 days, you will only get 70% of the score.

   We DO NOT accept any late submission after 7 days after the deadline.