Image Processing & Vision (55397)

Homework I: Image Filtering

Tasks:

- 1. Implement 2D Gaussian filtering and investigate the visual results according to different filter sizes and standard deviations (σ)
- 2. Implement separable Gaussian filtering (thus, two 1D Gaussian filtering)
- 3. Compare the visual results and computational time
- **Due: 05 April (Wed)** at 11:59 pm

Submission

> Python code file

(file name & format: ipv23 hw01-student number.ipynb)

Report: No template & Page limit: 4 pages in Korean/English

(file name & format: ipv23 hw01-student number.pdf)

▶ Upload the zip file including python code and report to "과제 및 평가" on E-class

(file name & format: ipv23 hw01- student number.zip)

References

➤ [Python] https://numpy.org/doc/stable/user/absolute_beginners.html