HOMEWORK 4

Content: sharpening

- Laplacian filter in spatial domain
- Laplacian filter in frequency domain

Step1. Get the Spectrum using Fourier Transform. (ex. np.fft.fft2)

Step2. Apply filter on Spectrum.

Step3. Convert the new Spectrum to spatial domain using inverse Fourier Transform.

Implement Policy

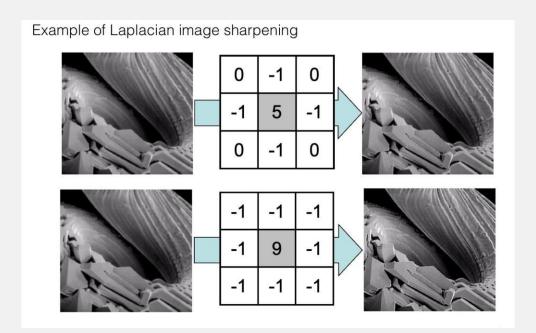
- Find images by yourself
- Implement Laplacian by yourself
 - You can use different kernel size and type
- Implement convolution by yourself

Grading Policy

• Each domain: 45pts

Report: 10pts

Format penalty: -10pts



Submission

- Report (STUDENT_ID.pdf)
 - 1. Method
 - 2. Result: result images, comparison
 - 3. Feedback
- Code (STUDENT_ID.zip)
- Deadline: 5/9 Fri. 10:10

