HOMEWORK 3

Content: sharpening

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

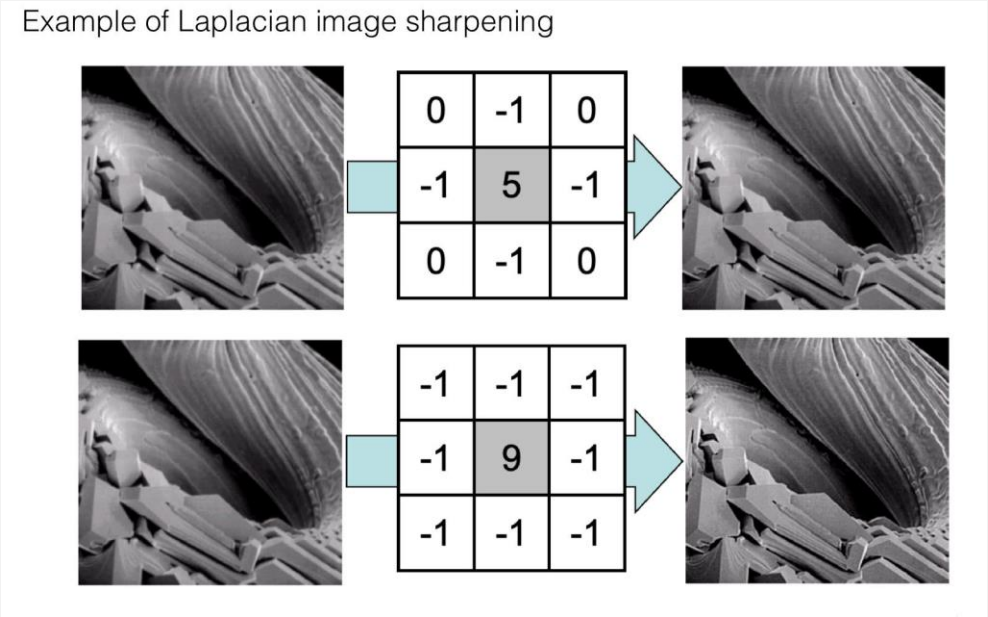
  Step1. Get the Spectrum using Fourier Transform. (ex. np.fft.fft2)

  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: 5/3 Fri. 10:10