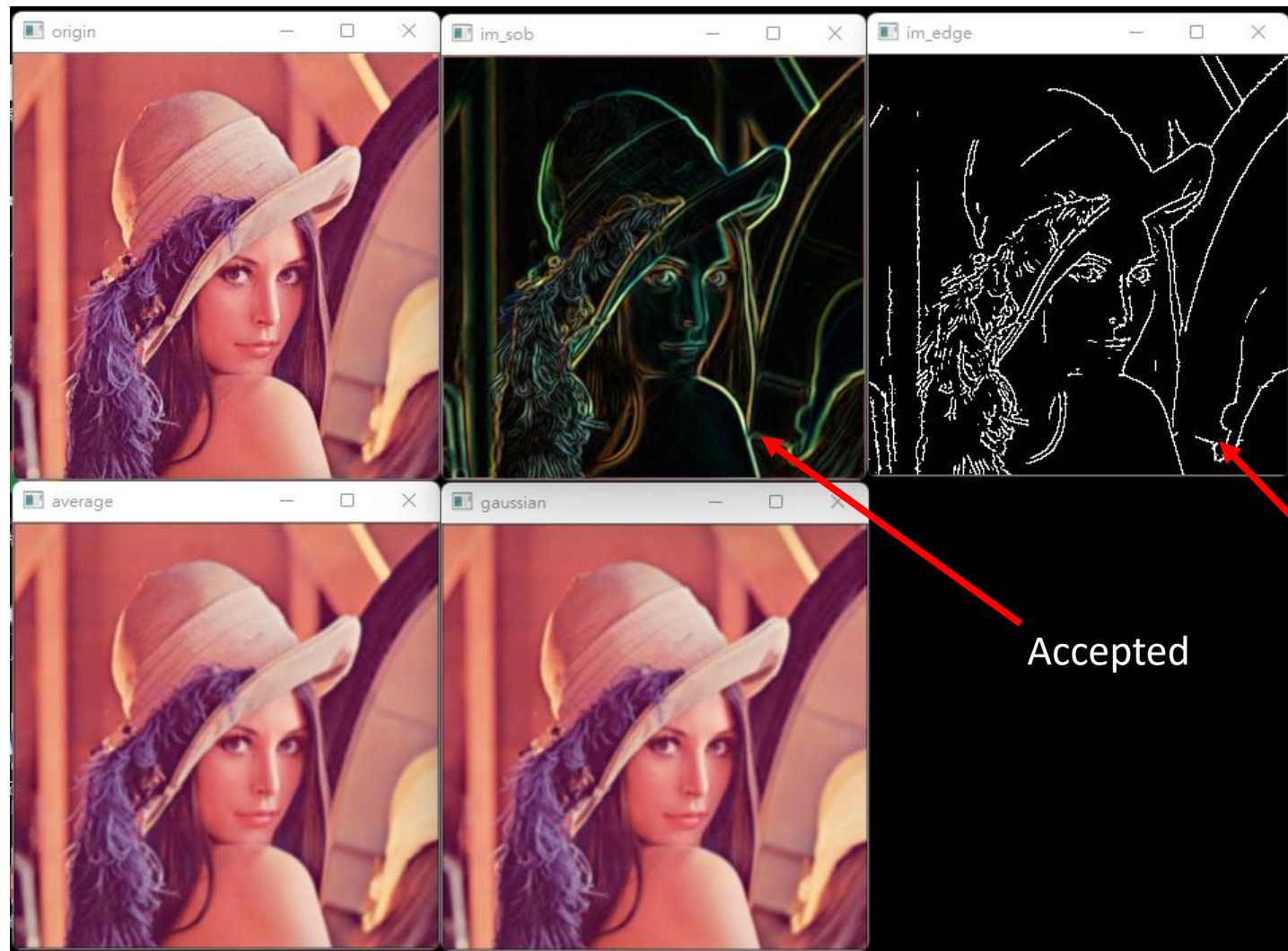# Python Week 2

Blur and Edge detect

Request

1. Blurring the image with average filter.

2. Blurring the image with gaussian filter.

3. Blurring the image with median filter. (option)

4. Find the edge with Sobel or Laplacian operator.

5. Find the edge with more complexity algorithm, e.g. Canny. (option)

You need to write the function 1. to 5. by yourself, using the function in opencv or any image processing repository on the GitHub is NOT allowed.

Submit your python code before 7/4.

Result
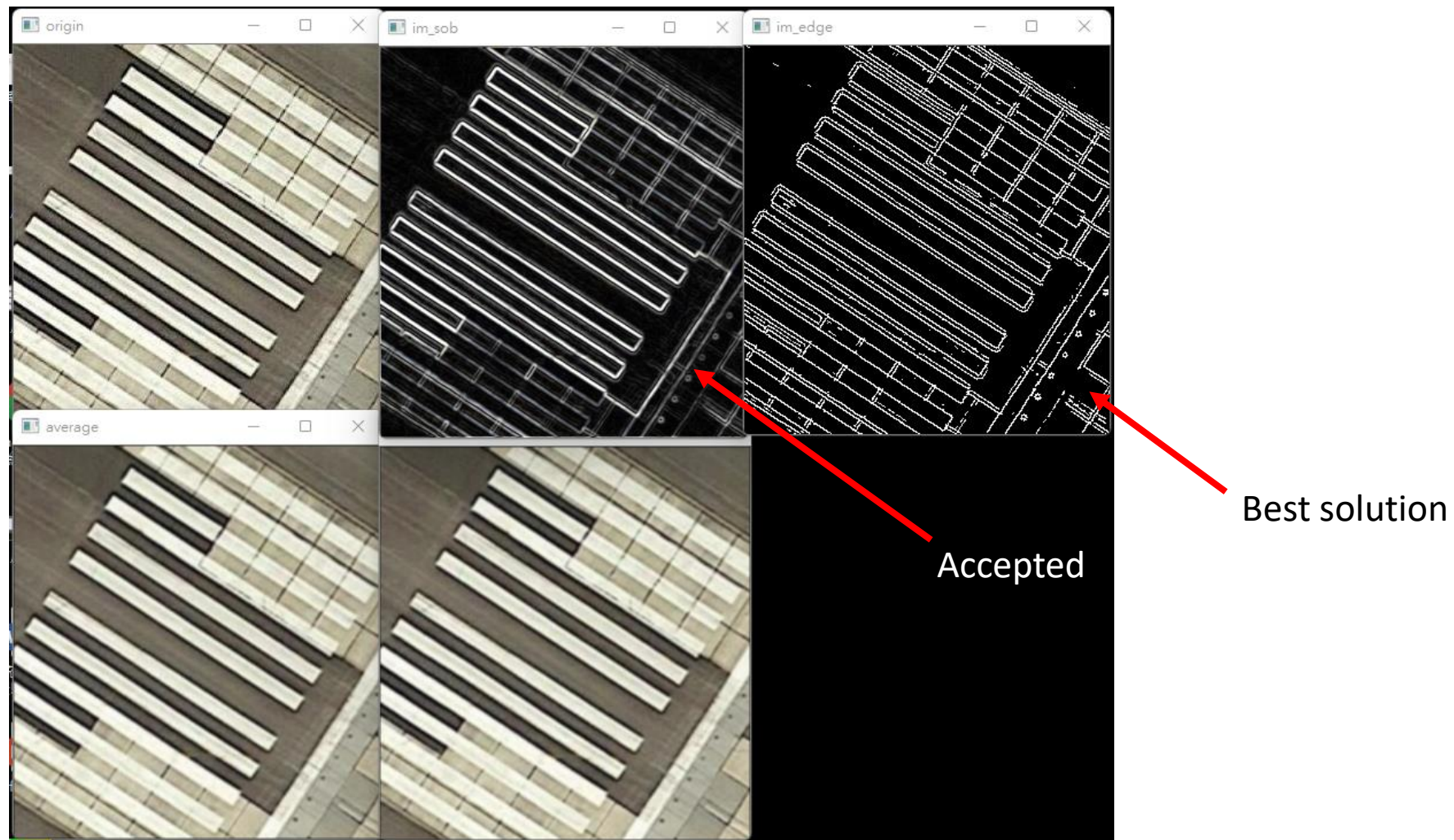

Accepted

Best solution

Result

Accepted

Best solution

Reference

- https://medium.com/@shashikadilhani97/digital-image-processing-filters-832ec6d18a73

- https://en.wikipedia.org/wiki/Gaussian_filter

- https://medium.com/@pomelyu5199/canny-edge-detector-%E5%AF%A6%E4%BD%9C-opencv-f7d1a0a57d19