

1 Digital Image Filtering Using OpenCV

Topic: OpenCV is a very powerful tool for computer vision and image processing tasks. It provides various functions that allow us to perform easily useful tasks such as filtering an image.

Exercise: Read an image from disk and apply the following digital image processing filters:

- Mean filter of size: 3×3 ,
- Gaussian mask,
- Vertical and horizontal edge detection filters,
- Laplacian filter,
- Laplacian of Gaussian filter.