

R10521516 廖浚評 CV HW10

Use python3.8, OpenCV

用跟作業 9 一樣的捲積做運算

```
def convolving (img ,k):  
    rowimg , colimg = img.shape  
    rowk ,colk =k.shape  
    convolving = 0  
    for i in range (rowimg):  
        for j in range(colimg):  
            if rowimg- i- 1>= 0 and rowimg-i -1 <rowk and\  
                colimg- j-1>= 0 and colimg -j-1 <colk:  
                convolving +=(img[i,j] *k[rowimg-i -1,colimg -j-1])  
    return convolving
```

Laplace Mask1 (0, 1, 0, 1, -4, 1, 0, 1, 0): threshold = 15



Laplace Mask2 (1, 1, 1, 1, -8, 1, 1, 1, 1):threshold = 15



Minimum variance Laplacian: threshold = 20



Laplace of Gaussian: threshold = 3000



Difference of Gaussian: threshold = 1

