import cv2

import numpy as np

from matplotlib import pyplot as plt

image = cv2.imread('1.png', 0)

kernel = cv2.getStructuringElement(cv2.MORPH\_RECT, (15, 15))

black\_hat = cv2.morphologyEx(image, cv2.MORPH\_BLACKHAT, kernel)

plt.subplot(1, 2, 1)

plt.title('Original Image')

plt.imshow(image, cmap='gray')

plt.subplot(1, 2, 2)

plt.title('Black Hat Result')

plt.imshow(black\_hat, cmap='gray')

plt.show()

