```
In [ ]:
                                                                                                         M
import cv2
import numpy as np
from matplotlib import pyplot as plt
In [ ]:
src = cv2.imread('./data/hawkes.bmp', cv2.IMREAD_GRAYSCALE)
img = cv2.imread('./data/hawkes.bmp')
plt.figure(figsize=(7, 7))
plt.axis('off')
plt.imshow(img)
plt.title('Origianl Image')
plt.show()
In [ ]:
                                                                                                         H
plt.hist(src.flatten(), range=[0,256], bins=256);
plt.show()
In [ ]:
# TODO: Histogram Stretching
# Gmin, Gmax
min_val,max_val,min_loc, max_loc = cv2.minMaxLoc(src)
print('Gmin = ', min_val)
print('Gmax = ', max_val)
In [ ]:
dst = ((src-min_val)*255) / (max_val-min_val)
dst = cv2.convertScaleAbs(dst)
cv2.imshow('original', src)
cv2.imshow('stretching', dst)
cv2.waitKey()
cv2.destroyAllWindows()
In [ ]:
                                                                                                         M
```