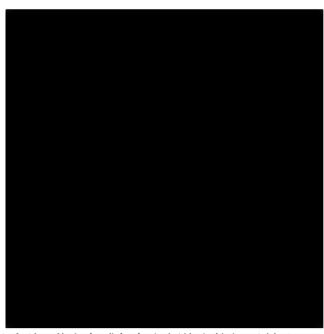
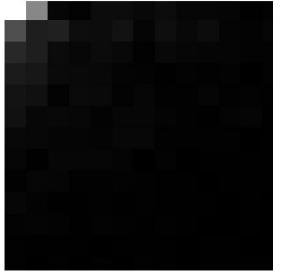
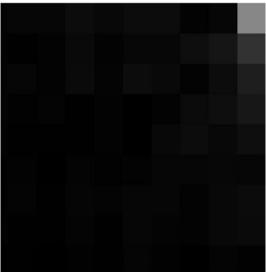
```
clear;
clc;
I=imread('Fig0427(a) (woman).tif');
J = fft2(I);
magnitude=abs(J); figure(1); imshow(magnitude,[]); figure(2); plot(magnitude);
phase=angle(J); figure(3); imshow(phase,[]); figure(4); plot(phase);
```

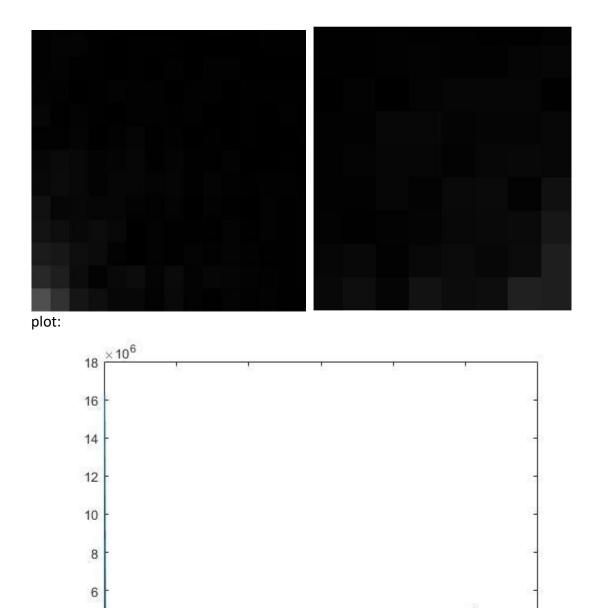
用 imread 把圖片讀取後設為 I,再用內建函式 fft2 做 DFT 並把結果設為 J,對 J 做 abs()得到 magnitude 並把結果用 imshow 印出,其中[]是把 intensity 重新調整,並 用 plot 畫出 xy 軸的圖,結果如下 Imshow:



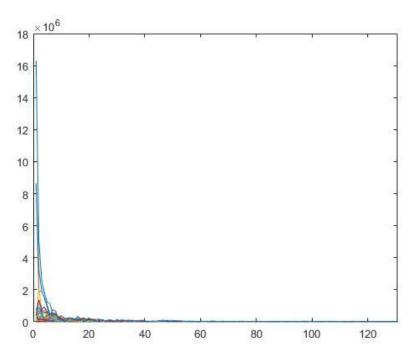
其中在四個角落可看到一些白色或灰色之類的方格如下所示:



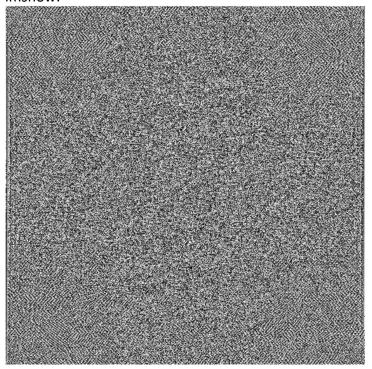




局部放大圖:



可見 DC value 在左上角 接著是 phase 的部分,用 angle()取得 phase 結果如下: imshow:



plot:

