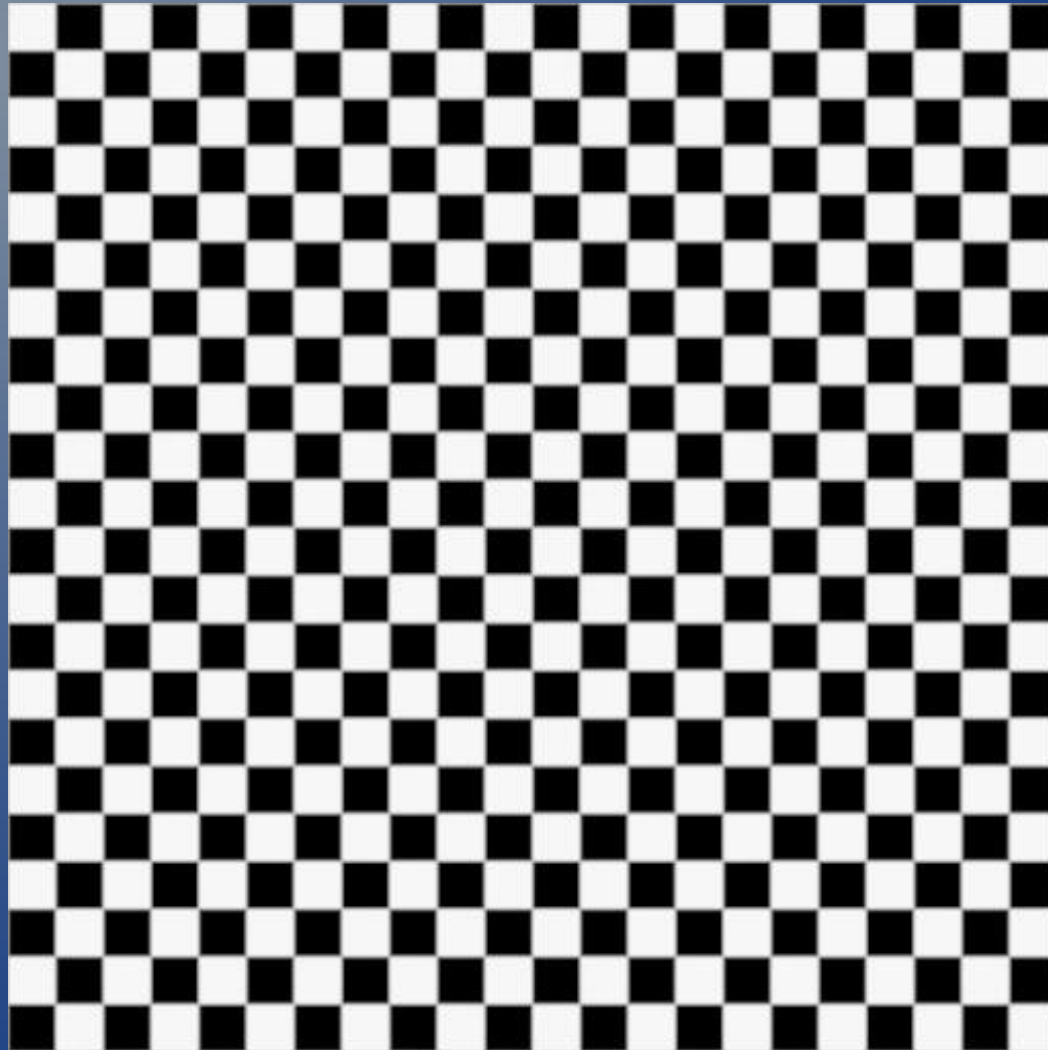
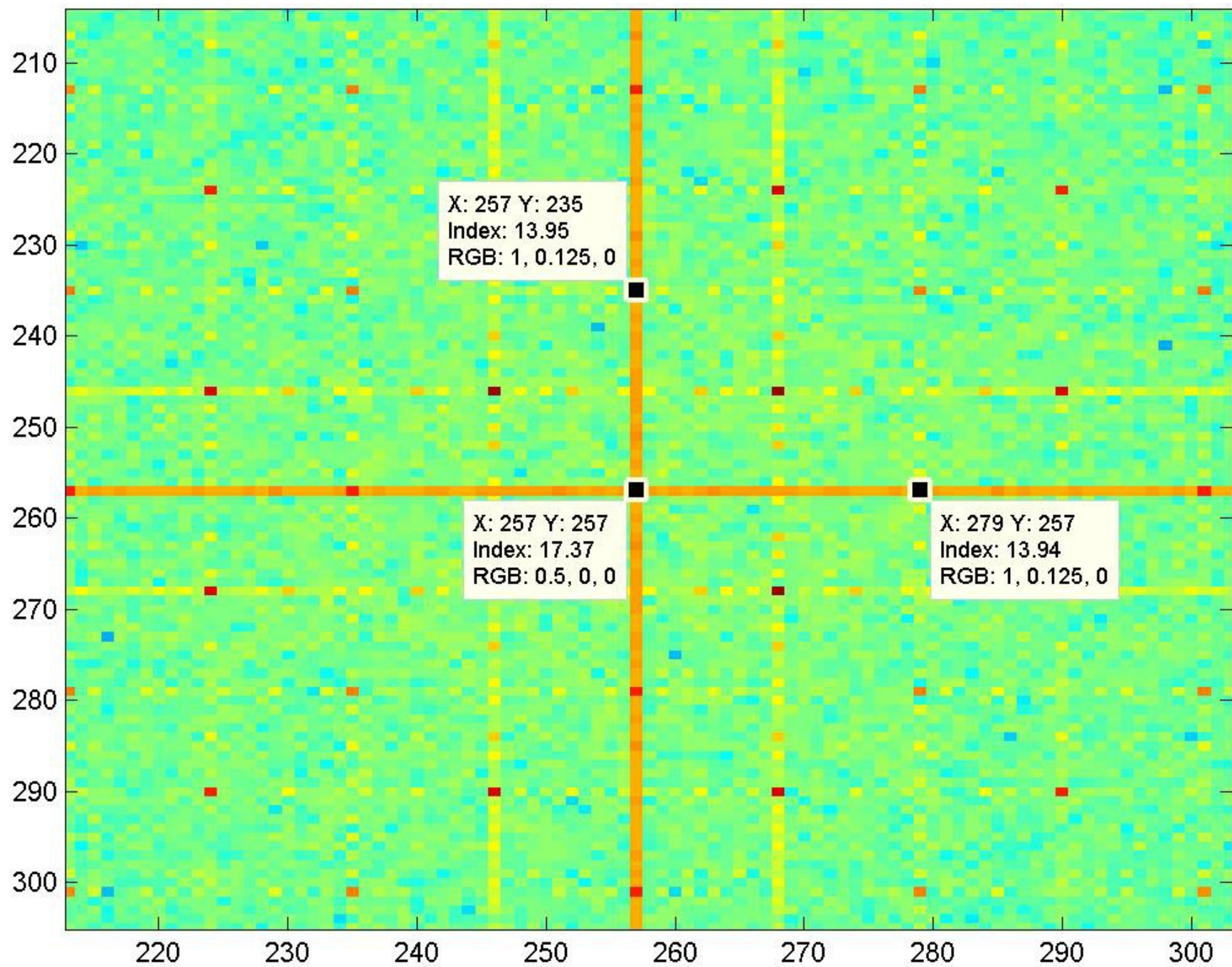


Week 6

Cody Seibert

Counting using Fourier Transform (484 squares)

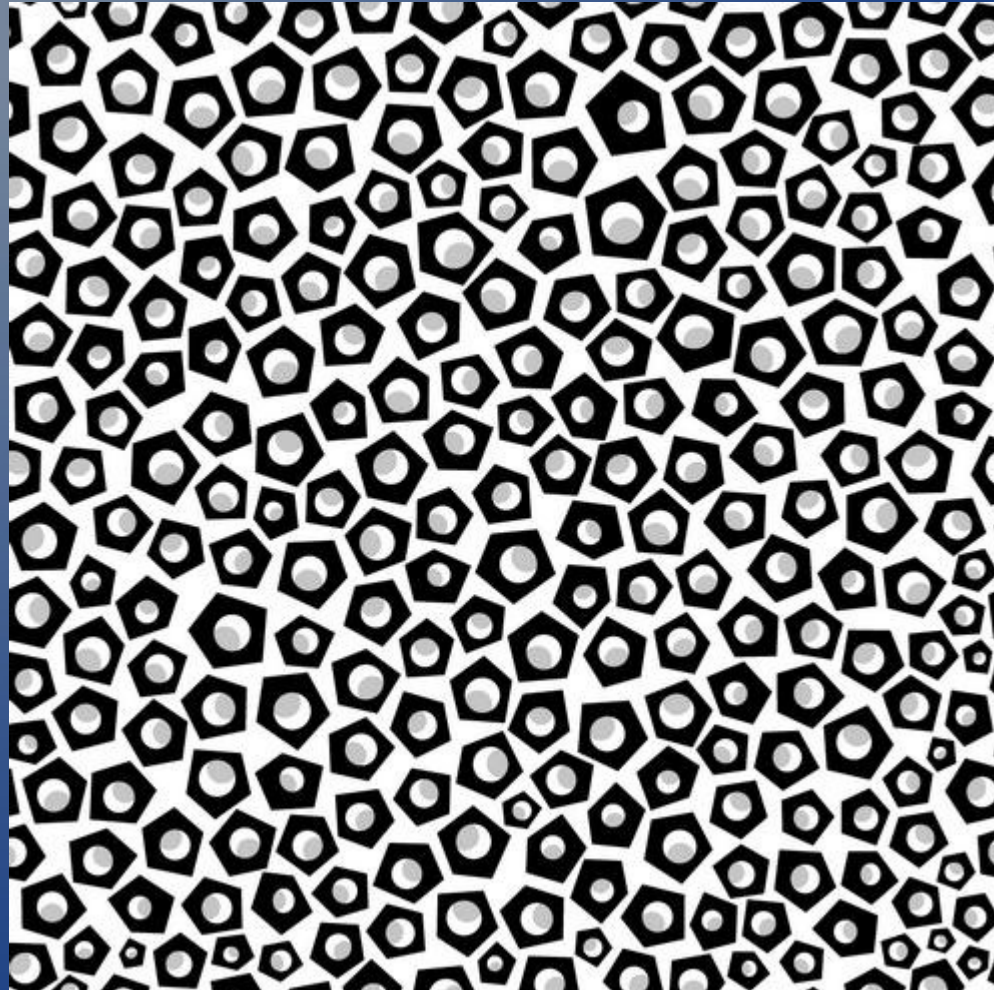


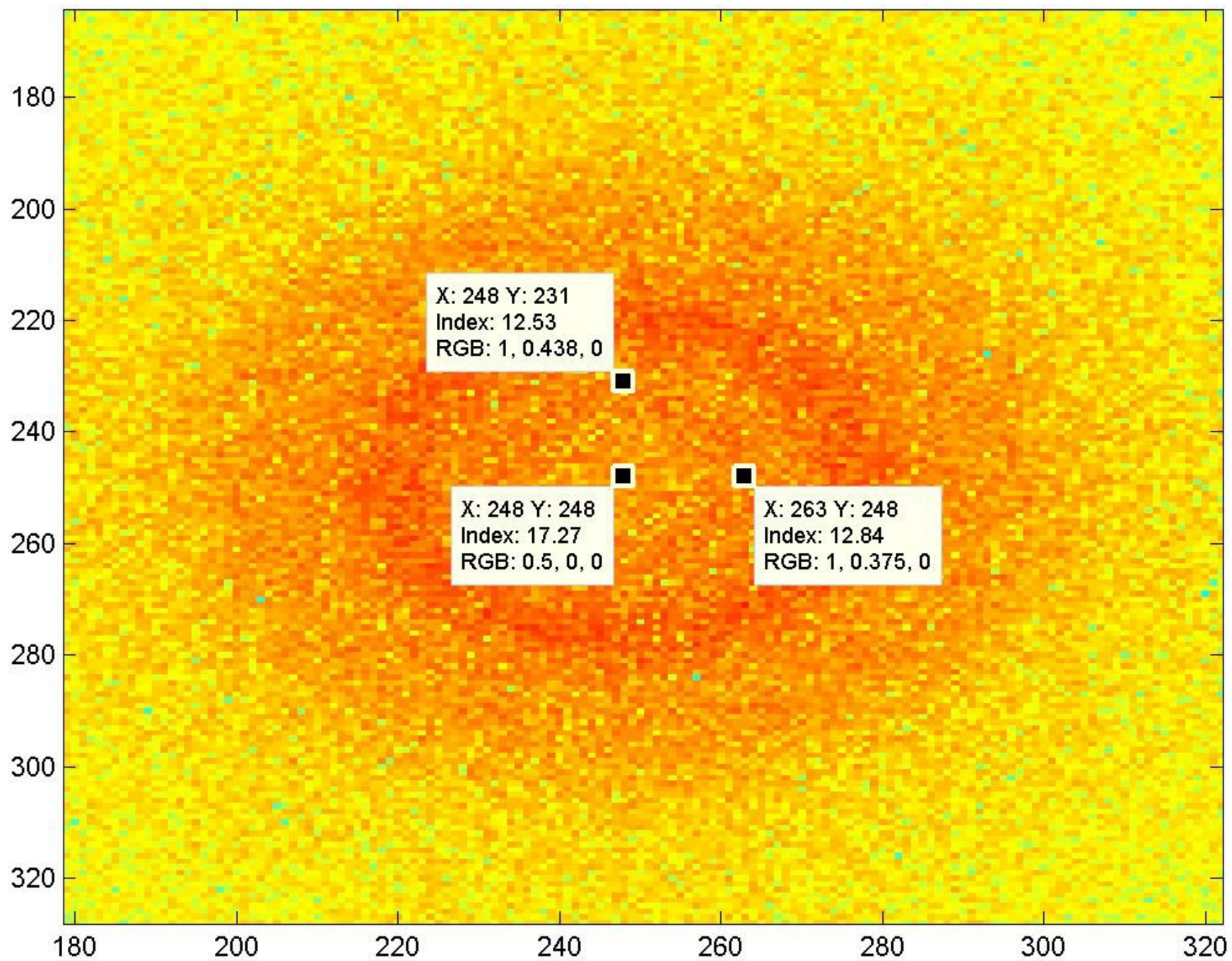


Counting using Fourier Transform (484 squares)

- Take the distances from center to peaks. The product of those will be the estimated count.
 - $22 * 22 = 484$
- This method works on all regular textures I have tried it on

Counting using Fourier Transform (258 objects)

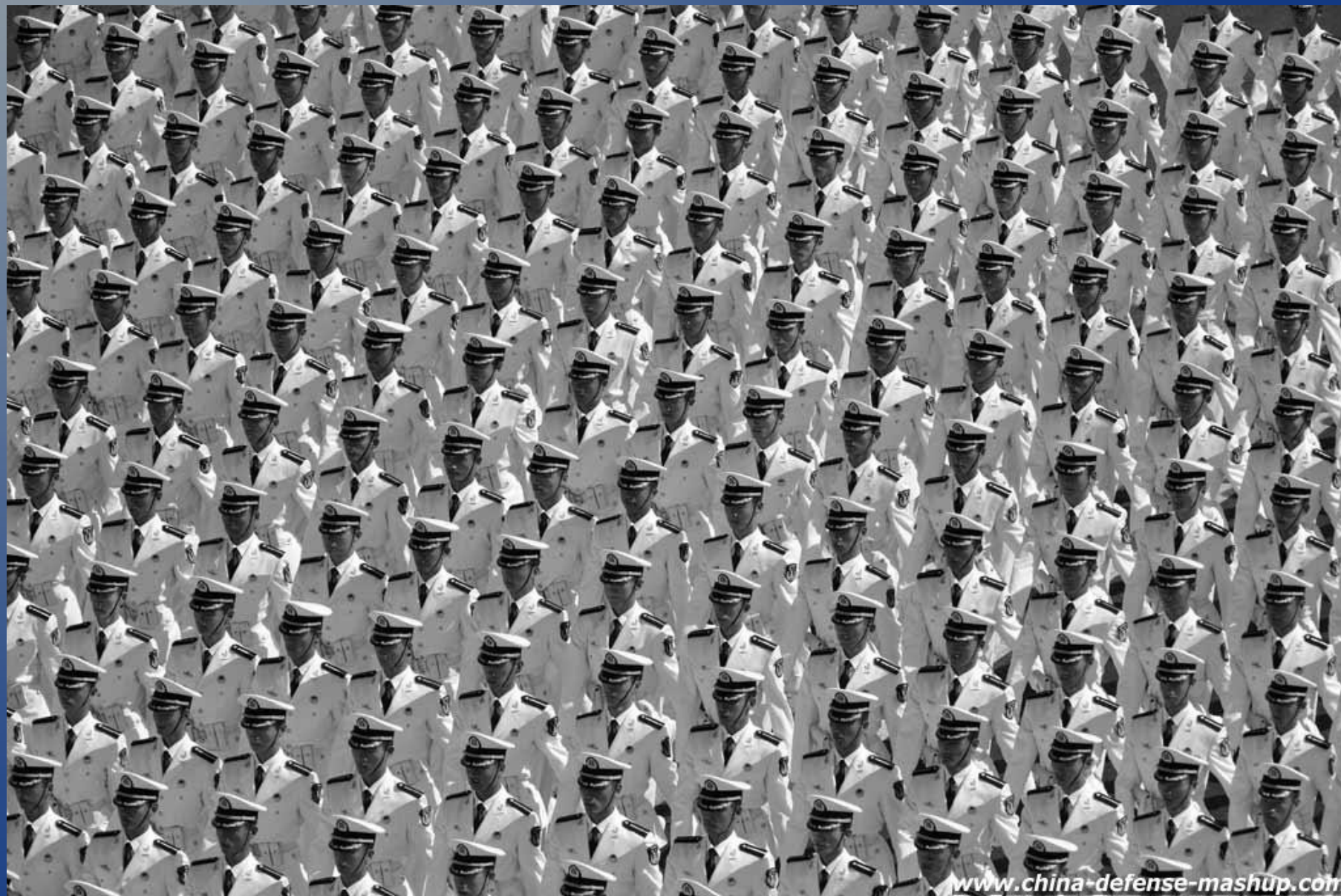


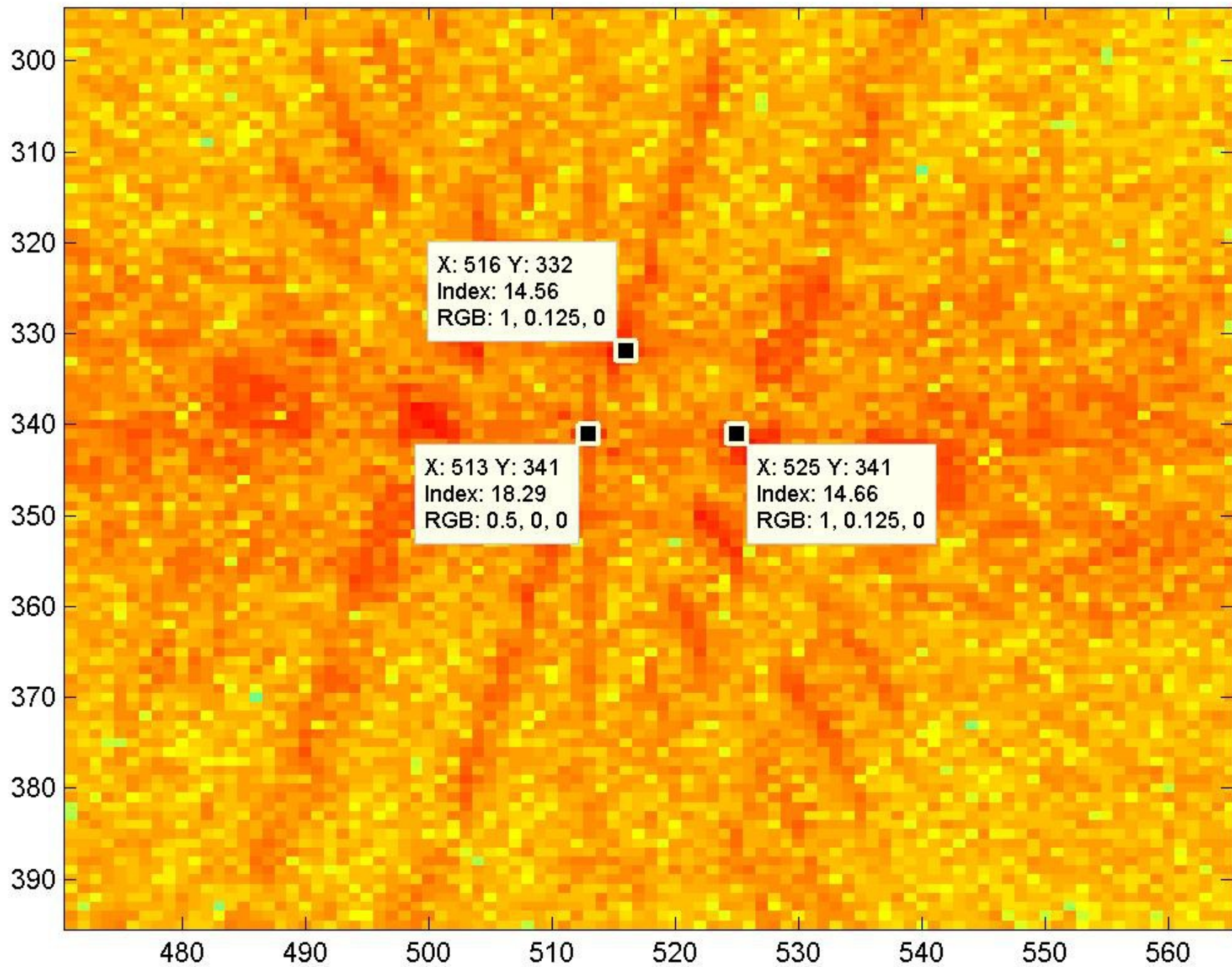


Counting using Fourier Transform (258 objects)

- $17 * 15 = 255$

Counting using Fourier Transform (137 people)



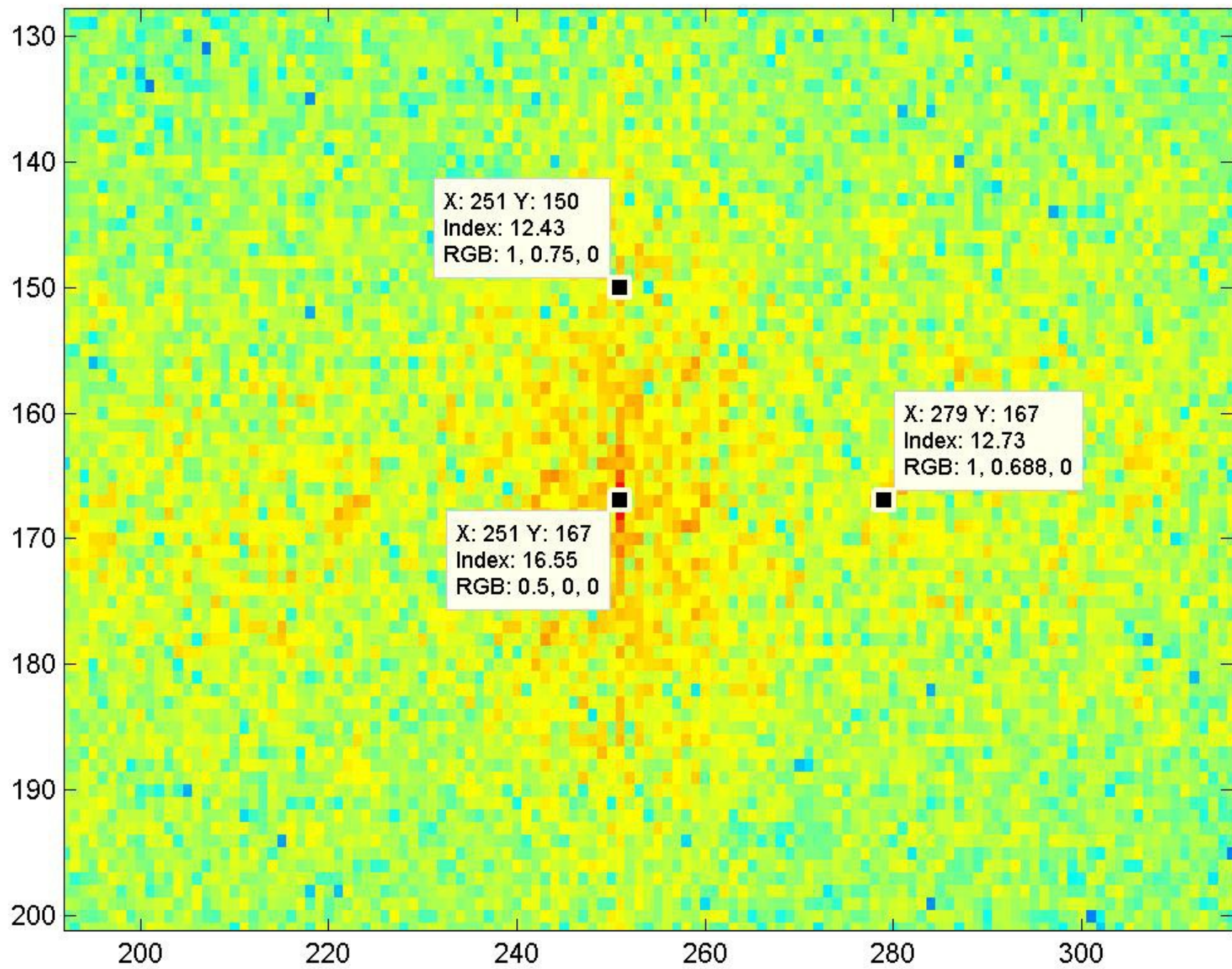


Counting using Fourier Transform (137 people)

- $12 * 9.4868 = 113$

Counting using Fourier Transform (478 people)



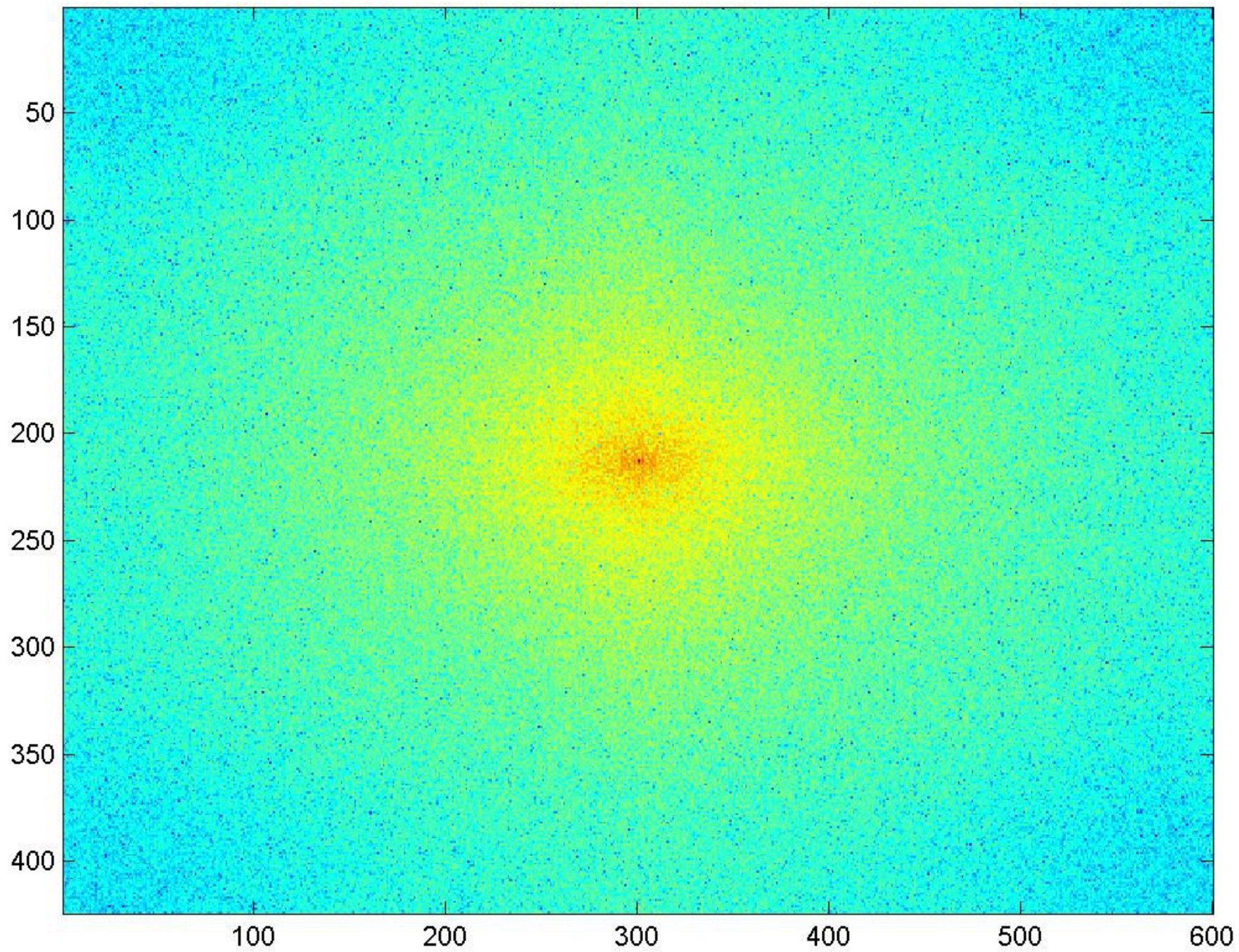


Counting using Fourier Transform (478 people)

- $17 * 28 = 476$

Counting using Fourier Transform (~630 people)





Counting Irregular Crowds

- Using gradient of image does not help much
- Dividing image into sub-windows helps with perspective, but does not help find meaningful peaks
- Taking horizontal and vertical strips from the image has not helped
- The center circle helps estimate the density