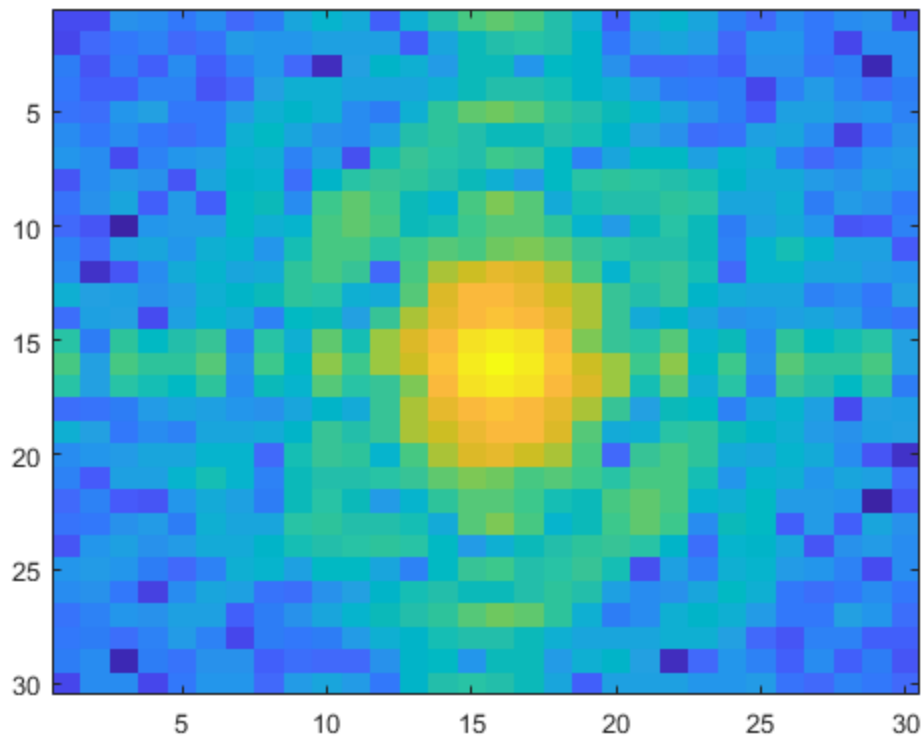


---

```
I = imread('Data\2.jpg');
I = rgb2gray(I);
I1 = I(197:210, 135:144);
imwrite(I1, 'Data\2_Inpluse.jpg');
I2 = fftshift(fft2(im2double(I1),30,30));
imagesc(log(abs(I2)));
I3 = I(197:210, 151:162);
imwrite(I3, 'Data\2_Rect.jpg');
I4 = fftshift(fft2(im2double(I3),30,30));
imagesc(log(abs(I4)));
I5 = I(102:162, 379:457);
imwrite(I5, 'Data\2_Sin.jpg');
I6 = fftshift(fft2(im2double(I5)));
imagesc(log(abs(I6)));
I7 = I(183:197, 84:96);
imwrite(I7, 'Data\2_Gauss.jpg');
I8 = fftshift(fft2(im2double(I7),30,30));
imagesc(log(abs(I8)));
```



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