

```
02/09/05
help fspecial
S = zeros(100,100);
S(40:60,40:60) = 1;
imagesc(S)
colormap('gray')
help randn
N = .1*randn(100,100);
I=S+N
figure
imagesc(I);
colormap('gray')
A = fspecial('average', 3)
O = conv2(A,I);
figure
imagesc(O);
colormap('gray')
figure
O2 = conv2(A,O);
imagesc(O2);
colormap('gray')
axis('equal')
axis('equal')
G = fspecial('gaussian', 9, .5);
figure
O3=conv2(G,I);
imagesc(O3);
colormap('gray');
axis('equal')
```