

# I6\_1

```
me = imread('ME.png');
me_g = rgb2gray(me);

j=1;
for i=3:2:10
    window = (1/(i*i))*ones(i,i);
    output = spatial_filter(me_g,window);
    subplot(2,4,j);
    output = uint8(output);
    imshow(output);
    title([num2str(i),'x',num2str(i)]);
    subplot(2,4,j+1);
    imshow(imfilter(me_g,window));
    title(['Using function',num2str(i),'x',num2str(i)]);
    j=j+2;
end
```

**3x3 Using function 3x3 5x5 Using function 5x**



**7x7 Using function 7x7 9x9 Using function 9x**

