

```

im = imread('kala_alk.png'); % Lataa kuva, täytä tiedostonimi
im = double(im);
max(im(:))
[row,col] = size(im)

im2 = im + im;
maksimi = max(im2(:))

im3 = im2/maksimi;
im4 = im3.^(1/2);

im5 = zeros(size(im3));
for iii = 1:(col-1)
    im5(:,iii) = im3(:,iii+1)-im3(:,iii);
end

im6 = im5(500:600,500:600);
im7 = im6(1:10,1:10);

figure(1)
imagesc(im)
axis equal
axis off
colormap gray

figure(2)
imagesc(im2)
axis equal
axis off
colormap gray

figure(3)
subplot(121)
imagesc(im3)
axis equal
axis off
colormap gray
subplot(122)
imagesc(im4)
axis equal
axis off
colormap gray

figure(4)
subplot(121)
imagesc(im3)
axis equal
axis off
colormap gray
subplot(122)
imagesc(im5)
axis equal
axis off
colormap gray

figure(5)
subplot(131)
imagesc(im3,[0 1])

```

```
axis equal
axis off
colormap gray
subplot(132)
imagesc(im6,[0 1])
axis equal
axis off
colormap gray
subplot(133)
imagesc(im7, [0 1])
axis equal
axis off
colormap gray
```