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