Đinh Hoàng Sáng

BEBEIU17022

Code:

clc

close all

clear all

I = imread('rice.png');

imshow(I)

background = imopen(I,strel('disk',15));

I2 = I - background;

imshow(I2)

I3 = imadjust(I2);

imshow(I3);

level = graythresh(I3);

bw = im2bw(I3,level);

bw = bwareaopen(bw, 50);

%bw = imfill(bw,'holes');

imshow(bw)

cc = bwconncomp(bw, 4)

%cc.NumObjects

%%

graindata = regionprops(cc, 'basic')

grain = false(size(bw));

%%%

for i = 1:length(graindata)

if graindata(i).Area > 220

grain(cc.PixelIdxList{i}) = true;

end

end

%%%

imshow(grain)

Result:

