University Of The Punjab

Gujranwala Campus

Department Of Information Technology

Computer Vision Assignment

Segmentation

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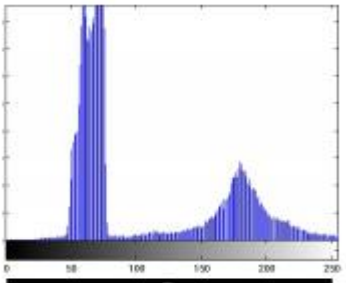
Segmentation:

```
 %Read the image
I = imread('coins.png');

% Convert the image to grayscale (if it's not already)
I_gray = rgb2gray(I);

% Display the histogram of the image
figure, imhist(I_gray);
title('Histogram of the Image');

% Compute Otsu's threshold level
level = graythresh(I_gray);

% Convert the image to binary using the computed threshold
BW = im2bw(I_gray, level);
% Display the original and binary images
figure;

subplot(1,2,1);
imshow(I_gray);
title('Original Grayscale Image');

subplot(1,2,2);
imshow(BW);
title('Binary Image using Otsu’s Method');
```

OUTPUT:


0
50
100
150
200
250