

Submit by:

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Submitted to:

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Feature Extraction:

Code:

```
% Read the image
```

```
Coins = imread('coins.png');
```

```
% Convert the image to binary
```

```
CoinsBW = im2bw(Coins);
```

```
% Find the boundary of the object (coin) at coordinate (27,60)
```

```
CoinBoundary = bwtraceboundary(CoinsBW, [27, 60], 'N');
```

```
% Display the original image
```

```
Imshow(Coins);
```

```
Hold on;
```

```
% Plot the detected boundary in red
```

```
Plot(CoinBoundary(:,2), CoinBoundary(:,1), 'r', 'LineWidth', 2);
```

```
Hold off;
```