Computer Vision Exercises

Features Extraction

December 12, 2019

Hough Transform – Straight Lines

1. Load the image 'circuit.tif'.

2. Use the Hough transform to extract the straight lines of the image.

3. Plot the Hough transform/space that is used to identify the peaks. What do you see?

4. Now, extract the straight lines using the image rotated.

5. Extract the straight lines using a different scale of the original image.

Hough Transform – Circles

6. Load the image 'coins.png'.

7. Use the Hough transform to extract the coins from the background.

8. Repeat the procedure using the image rotated or at a different scale.