

第12節

Finding the edges with Canny

1

Edge 技術說明 2

認識

Skimage Canny 3

熟悉

Edge Detection

同學,歡迎你參加本課程

- ☑ 請關閉你的FB、Line等溝通工具,以免影響你上課。
- ☑ 考量頻寬,請預設關閉麥克風、攝影機,若有需要再打開。
- ☑ 隨時準備好,老師會呼叫你的名字進行互動。
- ✓ 如果有緊急事情,你必需離開線上教室,請用聊天室私訊給老師, 以免老師癡癡呼喚你的名字。
- ☑ 先倒好水、上個洗手間,準備上課囉^^

課程檔案下載



ZOOM 學員操作說明



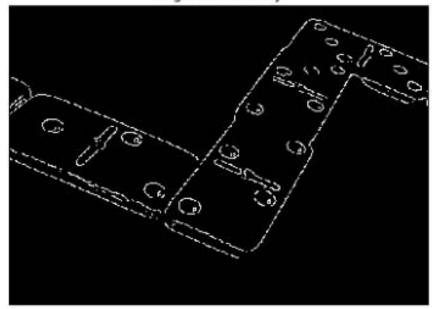


Detecting edges

Original



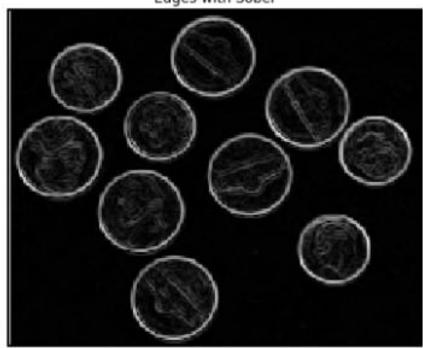
Edges with Canny





Edge detection

Edges with Sobel



Edges with Canny





Edge detection

```
# Convert image to grayscale
coins = color.rgb2gray(coins)

# Apply Canny detector
canny_edges = canny(coins)

# Show resulted image with edges
show_image(canny_edges, "Edges with Canny")
```

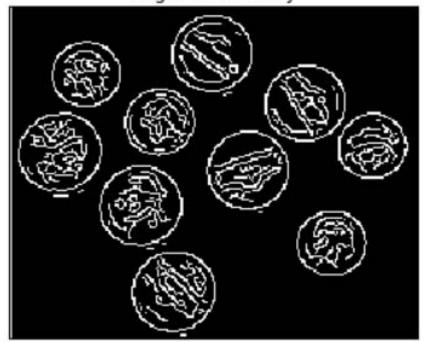


Edge detection

Original



Edges with Canny





Canny edge detector

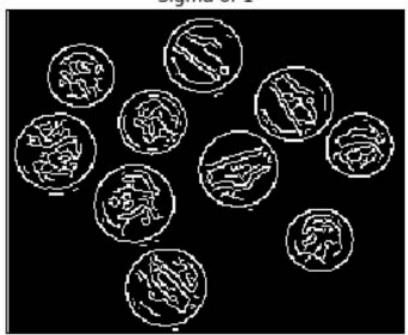
```
# Apply Canny detector with a sigma of 0.5
canny_edges_0_5 = canny(coins, sigma=0.5)

# Show resulted images with edges
show_image(canny_edges, "Sigma of 1")
show_image(canny_edges_0_5, "Sigma of 0.5")
```

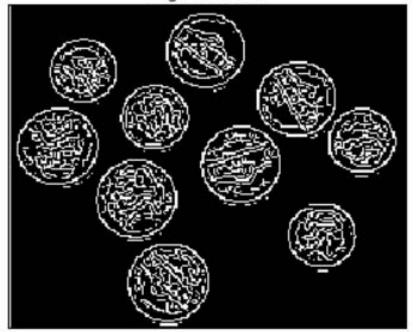


Canny edge detector

Sigma of 1



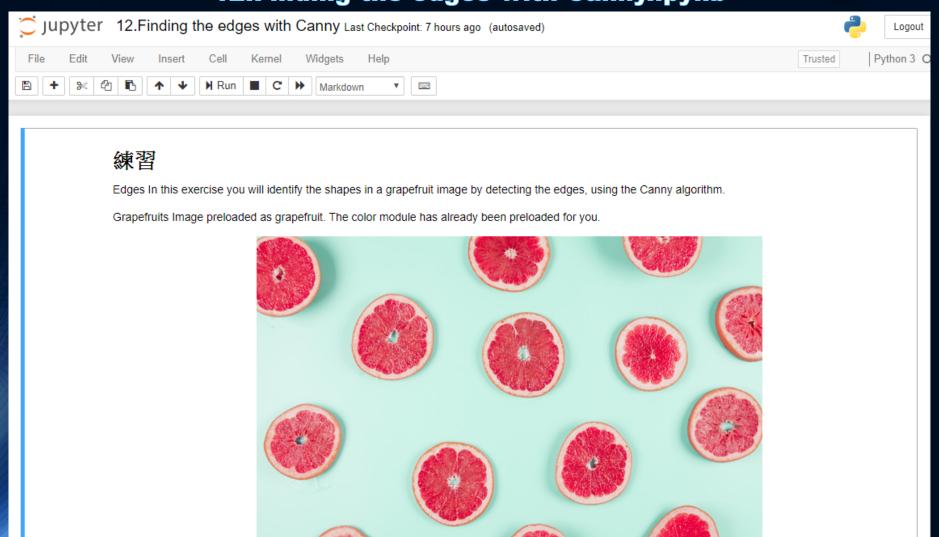
Sigma of 0.5



練習時間



12. Finding the edges with Canny.ipynb



問卷

http://www.pcschoolonline.com.tw



