# Add polygons

#### **Add polygons**

- 1. Implementation principle
- 2. Implementation effect
- 3. Implementation code

#### 1. Implementation principle

Use cv2.polylines() function to draw polygons on the image.

### 2. Implementation effect

```
cd ~/opencv

python3 15.image_draw_polygon.py
```

Note: Select the image and press q to exit the program!



## 3. Implementation code

```
import cv2
import numpy as np

def draw_polygon(input_path, output_path, points, is_closed, color, thickness):
    image = cv2.imread(input_path)
    if image is None:
        print("Error: Unable to open image file.")
        return
```