6. Drawing text and images

6.1. Drawing text and images

cv2.putText(img, str, origin, font, size, color, thickness)

The parameters are: image, added text, upper left corner coordinates (integer), font, font size, color, font thickness.

The font types are as follows:

枚举
FONT_HERSHEY_SIMPLEX Python: cv.FONT_HERSHEY_SIMPLEX
FONT_HERSHEY_PLAIN Python: cv.FONT_HERSHEY_PLAIN
FONT_HERSHEY_DUPLEX Python: cv.FONT_HERSHEY_DUPLEX
FONT_HERSHEY_COMPLEX Python: cv.FONT_HERSHEY_COMPLEX
FONT_HERSHEY_TRIPLEX Python: cv.FONT_HERSHEY_TRIPLEX
FONT_HERSHEY_COMPLEX_SMALL Python: cv.FONT_HERSHEY_COMPLEX_SMALL
FONT_HERSHEY_SCRIPT_SIMPLEX Python: cv.FONT_HERSHEY_SCRIPT_SIMPLEX
FONT_HERSHEY_SCRIPT_COMPLEX Python: cv.FONT_HERSHEY_SCRIPT_COMPLEX
FONT_ITALIC Python: cv.FONT_ITALIC

6.2. Actual effect display

Source code path:

/home/pi/DOGZILLA_Lite_class/4.Open Source CV/C.Image_Processing_Text_Drawing/06_Text_on_Image_Drawing.ipynb

```
import cv2
import numpy as np

img = cv2.imread('yahboom.jpg',1)
font = cv2.FONT_HERSHEY_SIMPLEX

cv2.rectangle(img,(200,100),(500,400),(0,255,0),3)
# 1 dst 2 文字内容 3 坐标 4 5 字体大小 6 color 7 粗细 8 line type 1 dst 2 text
content 3 coordinates 4 5 font size 6 color 7 thickness 8 line type
cv2.putText(img,'Yahboom',(250,50),font,1,(200,200,0),2,cv2.LINE_AA)
# cv2.imshow('src',img)
# cv2.waitKey(0)
```

```python
import matplotlib.pyplot as plt

dst = cv2.cvtColor(img, cv2.COLOR_BGR2RGB)
plt.imshow(dst)
plt.show()
```
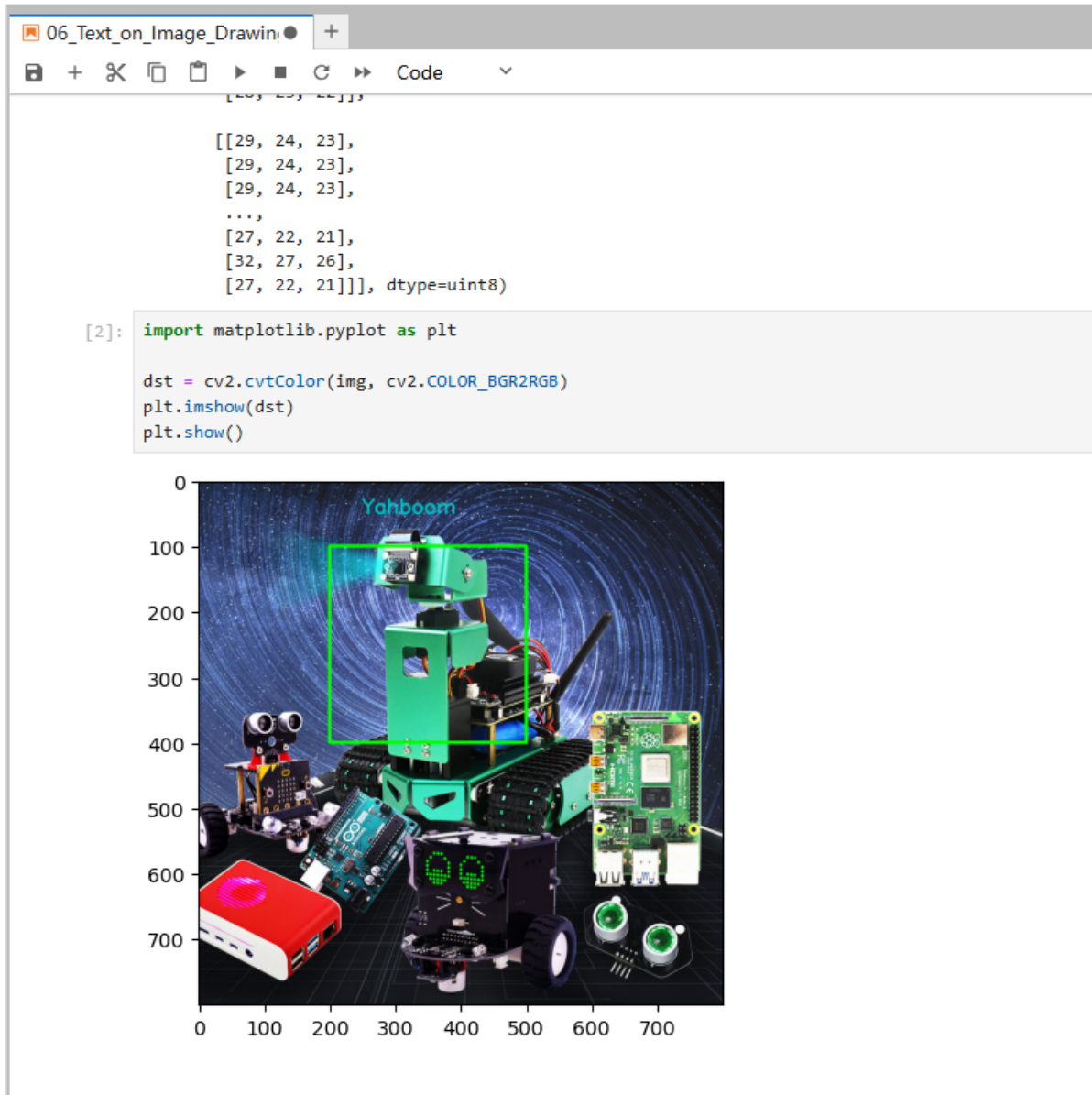


```python
import cv2
img = cv2.imread('yahboom.jpg',1)
height = int(img.shape[0]*0.2)
width = int(img.shape[1]*0.2)
imgResize = cv2.resize(img,(width,height))
for i in range(0,height):
    for j in range(0,width):
        img[i+200,j+350] = imgResize[i,j]
# cv2.imshow('src',img)
# cv2.waitKey(0)
```

```python
img = cv2.cvtColor(img, cv2.COLOR_BGR2RGB)
plt.imshow(img)
plt.show()
```

图片绘制 Picture drawing

```
[3]: import cv2
     img = cv2.imread('yahboom.jpg',1)
     height = int(img.shape[0]*0.2)
     width = int(img.shape[1]*0.2)
     imgResize = cv2.resize(img,(width,height))
     for i in range(0,height):
         for j in range(0,width):
             img[i+200,j+350] = imgResize[i,j]
     # cv2.imshow('src',img)
     # cv2.waitKey(0)
```

```
[4]: img = cv2.cvtColor(img, cv2.COLOR_BGR2RGB)
     plt.imshow(img)
     plt.show()
```