

# MASK

grayscale img

It is called thresholding.

`ret, mask = cv2.threshold(img, threshold_val, max_val, cv2.THRESH_BINARY)`

our mask

advanced usage

Symbols: page 14

$0 \leq val \leq 255$

`cv2.THRESH_BINARY`  
`cv2.THRESH_BINARY_INV`

This mask only uses one value as a limit to ~~make~~ give white/black outputs.

in future pages, we will see:

- 1) Range of ~~the~~ mask (color ranges of thresholding) - (page 12)
- 2) Adaptive thresholding

• Here, we will see how to use plots ~~to~~ to show results, and how plots work.

## Plots

• once you want to plot/show an image, you define the size of the grid & the position of the image in the grid.

`plt.subplot(2, 10, 1); plt.imshow(img, 'gray')`

rows  
cols  
position of the img  
grayscale

# so, now we have the grid, we can use it:

`plt.subplot(2, 10, 3); plt.imshow(img); plt.title('titles')`

# once we position our images, we do:

`plt.show()` # and our images will appear.

img title

# if we use a different grid we will the program will create another plot slide, ~~and we will~~ and we will need to call `plt.show()` twice to see both of the plot slides.

`plt.subplot(1, 5, 2);` ...

`plt.show()` # if we didn't use this here, we

`plt.subplot(2, 4, 3);` ... # would get only the second plot

`plt.show()`

# slide (see later)

`plt.xticks(), plt.yticks()`

10

