

Demo Programs

`draw_shapes.py`

This demo program takes the cat image as a canvas, and draws a several shapes including lines, circles and rectangles on it.

cv2 functions

`cv2.line(img, pt1, pt2, color, thickness)`

This function draws a line on an image, with end points `pt1` and `pt2`. The color is passed as 3-tuple which is represented in the BGR form. Thickness indicates how many pixels wide the line is.

`cv2.rectangle(img, pt1, pt2, color, thickness)`

This function draws a rectangle on the image, with end points `pt1` and `pt2`. Thickness indicates how many pixels wide the border is. If this value is negative, then the rectangle will be opaque.

`cv2.circle(img, centre, radius, color, thickness)`

This function draws a circle on the image with the given center and radius. It follows the same representation for color and thickness as above.