opency

Tuesday, October 9, 2018 2:21 PM

https://vision.fe.uni-lj.si/cvww2016/proceedings/papers/05.pdf https://www.pyimagesearch.com/2017/05/08/drowsiness-detection-

https://github.com/whatifif/handgesture

https://github.com/wncc-itsp/p1w13-virtual-mouse-using-hand-

https://thecodacus.com/gesture-recognition-virtual-mouse-using-opency-python/#.W8VtTs4zbIU

https://www.r-bloggers.com/natural-language-processing-on-40-languages-with-the-ripple-down-rules-based-part-of-speech-tagger/

https://pvthonhosted.org/pvnput/mouse.html

ethere mouse control option achi

Object detection https://towardsdatascience.com/understanding-ssd-multibox-real-time-

object-detection-in-deen-learning-495ef744fab

https://qithub.com/whatifif/handgesture/blob/master/reference.md

ter/main.ipwnb_ev2.imread("watch.jpg", ev2.IMREAD_COLOR)

ev2.line(img, (0,0), (150,150), (255,255,255), 15)
ev2.rectangle(img, (15,25), (200,150), (0,255,0), 5)
ev2.circle(img, (100,63), 55, (0,0,255), -1) cv2.imshow('image',img) cv2.waitKey(0) cv2.destroyAllWindows()

☐ 3/21 Drawing and Writing on Image

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ov2 line(imp. (0.0) (150 150) (255 255 255))

255.255.255 ==>White BGRrepresentation

https://qithub.com/paolobarbolini/OpenCvMouseControl/blob/master/main.py

cap = ov2.VideoCapture(1)
fourco = ov2.VideoWriter_fourco(*'XVID')
out = ov2.VideoWriter_fourco(*'XVID')
out = ov2.VideoWriter_fourco(*'XVID')
while Trus:
 ret, frame = cap.read()
 gray = cv2.cv2Color(frame, cv2.color_BGR2GRAY)
 ov2.imshow('frame, frame)
 ov2.imshow('gray', gray)

if cv2.waitKey(1) & 0xFF == ord('q'):

cap.release()|
out.release()
cv2.destroyAllWindows()

https://github.com/akshavchandra21/Mouse Cursor Control Handsfree

https://docs.opencv.org/3.0-beta/doc/pv_tutorials/pv_tutorials.html

http://dlib.net/files/

https://www.pyimagesearch.com/

Read an image

Use the function cv2.imread() to read an image. The image should be in the working directory or a full path of image should be given. Second argument is a flag which specifies the way image should be read.

cv2.IMREAD_COLOR: Loads a color image. Any transparency of image

New Section 1 Page 1

- will be neglected. It is the default flag.

 cv2.IMREAD_GRAYSCALE: Loads image in grayscale mode
- cv2.IMREAD_UNCHANGED : Loads image as such including alpha channel

Instead of these three flags, you can simply pass integers 1, 0 or -1 $\,$ respectively. import numpy as np import numpy as np
import cv2
Load an color image in grayscale
img = cv2.imread('messi5.jpg',0)

Accessing and Modifying pixel values

```
ing + ovd. Larendi "watch. jpg", ovd. DBRESO_COLUMN
cvi.lineting, (0.6), (150,150), (255,255,250, 15)
cvi.mertangieting, (15,25), (200,150), (0.255,4), 5)
cvi.micring, (300,43), 83, (3,5,250), -4)
pts = sp.assay([20.5],[28.50],[79.20],[90.18]), sp.int32)

Spts = pts.sestape([-1.1,2])

evi_pointsesing, [pts], town, (8.255.250, 5)
Seet = ovd.FORT_MERICAL_SIGNEDS
ovd.putTent(ling, 'OpenCT Tutor', (0,100), Seet, 1, (200,200,200, 2, ovd.128E_AG
```

Hair cascade C:\Users\anshuman_mahapatra\AppData\Local \Continuum\anaconda3\Lib\site-packages\cv2\data

Videos