

Invisibility_OpenCV_Project

July 20, 2020

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[1]: import cv2
import time
import numpy as np

fourcc= cv2.VideoWriter_fourcc(*'XVID')
out=cv2.VideoWriter('output.avi',fourcc,20.0, (640,480))

cap=cv2.VideoCapture(0)
time.sleep(5)
count=0
background=0

for i in range(60):
    ret,background=cap.read()
    background=np.flip(background, axis=1)

while (cap.isOpened()):
    ret,img=cap.read()
    if not ret:
        break
    count+=1
    img=np.flip(img,axis=1)
    hsv=cv2.cvtColor(img, cv2.COLOR_BGR2HSV)

    lower_red=np.array([0,120,70])
    upper_red=np.array([9,255,255])
    mask1=cv2.inRange(hsv,lower_red,upper_red)

    lower_red=np.array([171,120,70])
    upper_red=np.array([180,255,255])
    mask2=cv2.inRange(hsv,lower_red,upper_red)

    mask1=mask1+mask2
    mask1=cv2.morphologyEx(mask1, cv2.MORPH_OPEN,np.ones((3,3),np.uint8))
    mask1=cv2.morphologyEx(mask1, cv2.MORPH_DILATE,np.ones((3,3),np.uint8))
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mask2=cv2.bitwise_not(mask1)
res1=cv2.bitwise_and(img,img,mask=mask2)
res2=cv2.bitwise_and(background,background,mask=mask1)

finalOutput=cv2.addWeighted(res1,1,res2,1,0)
out.write(finalOutput)
cv2.imshow("magic",finalOutput)
cv2.waitKey(10)

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

```

↳ -----

KeyboardInterrupt Traceback (most recent call↳
↳last)

```

<ipython-input-1-0f501aa0eb44> in <module>
    18
    19 while (cap.isOpened()):
---> 20     ret,img=cap.read()
    21     if not ret:
    22         break

```

KeyboardInterrupt:

[]: