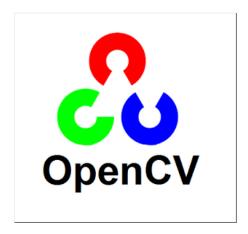
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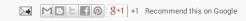
OpenCV Lessons



Although OpenCV is a powerful tool which can be used to develop complex computer vision applications, the documentation of OpenCV is not enough for a newbie to learn OpenCV by himself/herself. And there are few tutorials can be found on OpenCV for beginners in the internet. Therefore, I decided to prepare this tutorial from the very basic concepts of image processing and computer vision using basic inbuilt OpenCV functions. I have tested all given source code in this tute with openCV 2.4.5 and Microsoft Visual Studio Express 2012.

Here is the entire list of lessons

- What is OpenCV?
- · Installing & Configuring with Visual Studio
- · Basics of OpenCV API
- · Read & Display Image
- · Capture Video from File or Camera
- · Write Image & Video to File
- Filtering Images
 - Change Brightness of Image or Video
 - Change Contrast of Image or Video
 - Histogram Equalization
 - Smooth / Blur Images
- · How to Add Trackbar
- · How to Detect Mouse Clicks and Moves
- Rotate Image & Video
- · Color Detection & Object Tracking
- · Shape Detection & Tracking using Contours



9 comments:



kai April 15, 2013 at 10:59 AM

very informative ,keep up the good work :)

Reply

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Jejak Hidup Manusia Alllah May 13, 2013 at 9:52 AM

waw it's very usefull for newbe like me...

nice tutorial bro..

keep share!!

i wanna request tutorial face recognation with simple algorithm...

Reply



Anthony Li May 15, 2013 at 2:25 PM

Thanks a lot! It really help me!

Reply



Subhajit Ghosh June 14, 2013 at 4:52 PM

I install vs 2010 express edition and opency 2.4.5 and configure vs 2010 with your steps but it still error it does not give any header file when i write '#include it give me some error.

please help me to fix this problem

Reply

Replies



Shermal Fernando June 14, 2013 at 9:42 PM

Please post your sample program

Reply



Anonymous September 24, 2013 at 2:17 PM

Hi,

Thanks a lot for your tutorial. It indeed helped me a lot in understanding the basics. For my own work I need to use pattern matching (using templates), straight edge detection, circle detection, ellipse detection etc and I do them using a commercial computer vision library. I am interested in doing all these stuff using opency. Can you please highlight any book or website or some tutorial of your own covering this?

Waiting to hear from you soon.

Asit

Reply



ASD October 28, 2013 at 6:31 AM

Thanks a lot! It really help me!

Reply



Anonymous March 10, 2014 at 11:00 PM

thank you

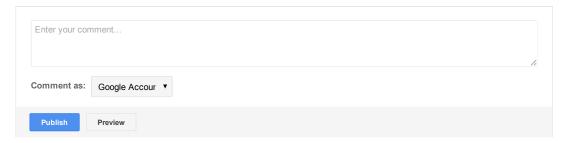
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Nour Samir March 30, 2014 at 12:10 AM

hi i wanna tutorial for face recognition using open cv

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