

## Rotate image with opency GPU



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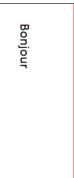
I'm using gpu::rotate from opency lib to rotate clockwize an image.

```
#include <opencv2/core/core.hpp>
#include <opencv2/highgui/highgui.hpp>
#include <opencv2/imgproc/imgproc.hpp>
#include <opencv2/gpu/gpu.hpp>
int main()
     cv::Mat im_in = cv::imread( "test.png" );
     //upload image to GPU cv::gpu::GpuMat gpu_im ;
     gpu_im.upload( im_in ); // RAM => GPU
      //Rotate from 90
     cv::Size size = im_in.size();
cv::gpu::GpuMat gpu_im_rot;
cv::gpu::rotate( gpu_im, gpu_im_rot, cv::Size( size.height, size.width ), -90, size.height-1, 0, cv::INTER_LINEAR );
      gpu_im_rot.download(im_in); //GPU => RAM
      cv::imwrite( "out.png", im_in );
```

Input Image



Output Image



I have always black line, I have tested multiple shift coordinate, and interpolation method.

I cannot find real cuda corresponding code in opencv source opencv\modules\gpu\src\imgproc.cpp



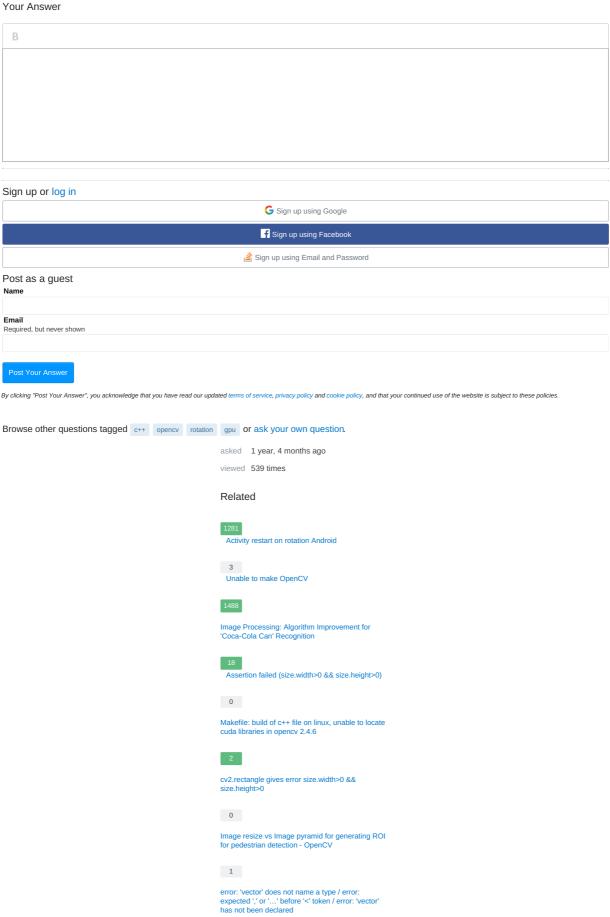
asked Oct 13 '17 at 14:11 **1,304** • 14 • 23

Why is your y-shift this: size.height-1, try just size.height. – Scott Mudge  $\,$  Oct 13 '17 at 14:33  $\, \nearrow \,$ 

Are you sure the black line is because of rotate? – zindarod  $\mbox{Oct}\,13$   $\mbox{'}17$  at  $14{:}35$ 

Seems to be a bug in your version of opency. It is working fine with opency 3.2.0. - sgarizvi Oct 13 '17 at 14:35

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Python: Opencv: error: (-215) size.width>0 && size.height>0 in function cv::imshow

## Hot Network Questions

- Does an Eldritch Knight's Weapon Bond protect him from losing his weapon to a Telekinesis spell?
- What's the oldest plausible frozen specimen for a Jurassic Park style story-line?
- Why does 0.-5 evaluate to -5?
- My does magnet wire need to be insulated?
- Opes diversity provide anything that meritocracy does not?
- Not a Long-Winded Riddle
- Memory usage: #define vs. static const for uint8\_t
- 8 What is the wife of a henpecked husband called?
- What can I do to encourage my players to use their consumables?
- How can the probability of a fumble decrease linearly with more dice?
- If angels and devils are the same species, why would their mortal offspring appear physically different?
- Confusion over units in force equation?
- A starship is travelling at 0.9c and collides with a small rock. Will it leave a clean hole through, or will more happen?
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- How to access internet and run apt-get through a middle server?
- What's this assembly doing?
- How do you get out of your own psychology to write characters?
- How does Leonard in "Memento" remember reading and writing?
- Square Root Distance from Integers
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- Which RAF squadrons and aircraft types took part in the bombing of Berlin on the 25th of August 1940?
- O Potential client has a problematic employee I can't work with

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