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New issue

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region_of_interest issue with fillPoly() #35



frankcarey opened this issue on 17 Mar 2017 · 6 comments

Assignees





The region of interest() function says it takes vertices which it passes to cv2.fillPoly(), but it seems like what that function is supposed to take is an Array of shapes.

I think that function should be updated like so:

```
-cv2.fillPoly(mask, vertices, ignore_mask_color)
+# We need to pass in an array of shapes (each shape is an array of vertices)
+cv2.fillPoly(mask, [vertices], ignore mask color)
```

Causes error: error: /home/travis/miniconda/conda-bld/conda_1486587071158/work/opencv-3.1.0/modules/imgproc/src/drawing.cpp:2276: error: (-215) p.checkVector(2, CV_32S) >= 0 in function fillPoly

See related error http://stackoverflow.com/questions/17241830/opency-polylines-function-in-pythonthrows-exception/18817152#18817152





frankcarey mentioned this issue on 17 Mar 2017

Project 1 - Lane Finding - region_of_interest OpenCV error udacity/sdc-issuereports#577





💶 scm-ns commented on 31 Aug 2017

Yep, the second argument is an array of array of points. The cpp interface has a proxy object called InputArrayOfArray.







YuehChuan commented on 4 Oct 2017

this should make a pull request





BarthesSimpson commented on 26 Dec 2017

Actually, it wants a numpy array of (arrays of) 32 bit integers, so it's more like:

cv2.fillPoly(mask, np.array([vertices], dtype=np.int32), ignore_mask_color)



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baumanab commented on 18 Feb 2018

Contributor

udacity/sdc-issue-reports#577







mvirgo self-assigned this on 15 Mar 2018



mvirgo commented on 15 Mar 2018 • edited 🔻

Contributor

The way this is demonstrated in the classroom guiz includes vertices as being an array of shapes already vertices = np.array([[(0,imshape[0]),(0, 0), (imshape[1], 0), (imshape[1],imshape[0])]], dtype=np.int32) (this is before tuning:)). I think it may be more confusing to change this within the notebook, as the vertices themselves are already supposed to be in an array.

What are your thoughts? Perhaps just editing the docstring to mention that vertices is an array of integer points might solve it.









mvirgo added a commit that referenced this issue on 18 Apr 2018	
Clarify `vertices` fed to `region_of_interest`	Verified X 6879296
mvirgo added a commit that referenced this issue on 18 Apr 2018	
Clarify `vertices` fed to `region_of_interest`	Verified
mvirgo commented on 18 Apr 2018	Contributor
Updated the docstring to clarify this further.	
⊚	
mvirgo closed this on 18 Apr 2018	
Assignees mvirgo	
Labels	
None yet	
Projects	
None yet	
Milestone	
No milestone	
Linked pull requests	
Successfully merging a pull request may close this issue.	
None yet	

6 participants









