Line Segment Detector (LSD)

hilman 2016-10-15 20:52:21 UTC #1

Have anyone tried the Line Segment Detector (LSD) algorithm?

I just want to share. This algorithm do exist in OpenCV but as far as I know, there is no Python binding for it. But this **pylsd** works fine for me, at least in Python 2. in Python 3, there is problem when importing, I believe this is because of the absolute path system of the Python 3 (I think by making a little change on the `__init__.py` of the package should solve the problem).

I don't know if this algorithm exist in other Python CV library like mahotas etc. If anyone knew this, kindly inform me! 😁

Adrian 2016-10-16 11:49:31 UTC #2

Thanks for sharing Hilman. I have never used the `pylsd` library before. In OpenCV you have the Hough Lines transform (Python bindings exist for it as well):

http://docs.opencv.org/2.4/doc/tutorials/imgproc/imgtrans/hough_lines/hough_lines.html

But this intended to work with binary images, which of course presumes you can segment your lines naturally from the rest of the image. Unless your images are captured under controlled conditions this likely isn't possible.

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