

QGIS Application - Bug report #20387

The call to matplotlib.tricontour causes QGIS to crash

2018-11-06 04:24 PM - Ondrej Lexa

Status:	Open	
Priority:	High	
Assignee:		
Category:	Python bindings / sipify	
Affected QGIS version:	3.4.1	Regression?: No
Operating System:	Ubuntu 18.04	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution:
Crashes QGIS or corrupts data:	Yes	Copied to github as #: 28207
Description		
Developing plugin, I found that QGIS 3.4 crashes during calculation of matplotlib.tri.Triangulation. The problem appears only running matplotlib.tri.Triangulation within the QGIS3 python environment. The problem has been reported already in QGIS 3.1 (https://github.com/ccrook/QGIS-Contour-Plugin/issues/23) and the workaround is to calculate Triangulation in shell script, save the result to file and import back to QGIS python session. I'm using QGIS version 3.4.1-Madeira QGIS code revision 383851c, Python 3.6.6, matplotlib 2.1.1 on Ubuntu 18.04. Example python code to crash QGIS <pre>import matplotlib.pyplot as plt import matplotlib.tri as tri import numpy as np radii = np.linspace(0.25, 0.95, 8) angles = np.linspace(0, 2*np.pi, 36, endpoint=False) angles = np.repeat(angles[...], np.newaxis, 8, axis=1) angles[:, 1::2] += pi/n_angles x = (radii*np.cos(angles)).flatten() y = (radii*np.sin(angles)).flatten() # This call crashes QGIS triang = tri.Triangulation(x, y)</pre>		

History

#1 - 2018-11-07 12:09 PM - Giovanni Manghi

- Priority changed from Normal to High

- Category changed from Python plugins to Python bindings / sipify