

QGIS Application - Bug report #9906

processing - python advanced field calculator fails with \$ character

2014-03-27 07:01 AM - Regis Haubourg

Status: Closed	
Priority: Normal	
Assignee: Victor Olaya	
Category: Processing/Core	
Affected QGIS version: 2.2.0	Regression?: No
Operating System:	Easy fix?: No
Pull Request or Patch supplied:	Resolution:
Crashes QGIS or corrupts data:	Copied to github as #: 18420
Description	
<p>Hi, when trying to calculate \$area in python script, that character makes the script fail. current workaround is to define a text variable and to modify runalg line to call the variable instead of \$area text. I didn't find any escape character to make that work</p>	

History

#1 - 2014-03-27 07:43 AM - Alexander Bruy

- Status changed from Open to Feedback

Python field calculator used different syntax. See <http://gis-lab.info/qa/fieldpyculator.html> and

<http://anitagraser.com/2013/04/20/advanced-python-field-calculator/>. If you want use same syntax, as QGIS Field Calculator, use Field calculator algorithm

#2 - 2014-03-27 08:04 AM - Regis Haubourg

In fact, I'm not using advanced python field calculator but simple field calculator

#3 - 2014-03-27 08:11 AM - Alexander Bruy

Can't reproduce. I tested with two layers one in WGS84, another in projected CRS, in both cases \$area expression works fine and new field with values created

#4 - 2014-03-27 08:31 AM - Regis Haubourg

following script :

```
##calcul_surface=name
##vectorlayer_tablea=vector
##output_layer_alg0=output vector
outputs_0=Processing.runalg("qgis:fieldcalculator", vectorlayer_tablea, A_obj_sfce, 0, 20, 5, True, $area, output_layer_alg0)
```

raises following error:

Algorithm calcul_surface starting...

invalid syntax (, line 5) See log for more details

#5 - 2014-03-27 08:59 AM - Alexander Bruy

You use wrong syntax for runalg call. Try to execute Field calculator from toolbox and look at algorithm commandline in Processing log.

Formula should be quoted, in your case

```
##calcul_surface=name
```

```
##vectorlayer_tablea=vector
```

```
##output_layer_alg0=output vector
```

```
outputs_0=Processing.runalg("qgis:fieldcalculator", vectorlayer_tablea, A_obj_sfce, 0, 20, 5, True, "$area", output_layer_alg0)
```

#6 - 2014-03-27 09:19 AM - Regis Haubourg

Well,

I exported a model to a script, I did not type it by hand. I suppose that export process just forget double quotes around the formula. Thanks for your help.

Anyone ready to debug the export process?

#7 - 2014-06-23 06:38 AM - Regis Haubourg

- Status changed from Feedback to Closed

Closing it since it is a very uncommon issue

#8 - 2015-06-07 04:31 AM - Giovanni Manghi

- Category changed from 94 to Processing/Core