

QGIS Application - Bug report #17467

Function \$area

2017-11-15 09:53 AM - Thomas Nogatz

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Field calculator	
Affected QGIS version:	2.18.9	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: invalid
Crashes QGIS or corrupts data:	No	Copied to github as #: 25364
Description		
<p>The function \$area (field calculator) does not deliver reliable values in every case.</p> <p>I have attached two example projects using the same shapefile. Both projects and the shapefile use the same projection (EPSG:25833).</p> <p>The field "area_1" has been calculated by "export/add geometry columns", which delivers correct values in every case.</p> <p>Field "t_\$area2" was calculated using "\$area" in project "01.qgs". The field "diff2" = abs("area_1"- "t_\$area2") indicates that \$area calculates correctly.</p> <p>Field "t_\$area3" was calculated using "\$area" in project "02.qgs". The field "diff3" = abs("area_1"- "t_\$area3") indicates that \$area calculates not correctly.</p> <p>Project 01 is a new created project.</p> <p>Project 02 is a project deriving from a different project with much more layers (vector, raster, wms) which I have deleted for this test.</p> <p>The Problem exists in older QGIS versions as well.</p>		

History

#1 - 2017-11-15 11:05 AM - Giovanni Manghi

- Resolution set to invalid
- Operating System deleted (Windows 10)
- Status changed from Open to Closed
- Category changed from Expressions to Field calculator

The point is that in project 2 you have OTFR enabled and set an ellipsoid (wgs84) for measurements (in project properties), in project 1 you don't have OTFR enabled so it use the plane for measurements. If in project2 you set the ellipsoid to "none/planimetric" you get the same values.

#2 - 2017-11-15 09:54 PM - Thomas Nogatz

Now I understand. Thank you very much!

Best wishes, Thomas

Files

area.zip	20.1 KB	2017-11-15	Thomas Nogatz
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