

Gisaf - Bug #3482

Area calculation of polygons - trial

09/01/2017 14:53 - Giulio Di Anastasio

Status:	Closed	Start date:	09/01/2017
Priority:	Normal	Due date:	
Assignee:	Philippe May	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	demo	Spent time:	0.00 hour
Description Dear Philippe, sorry I first wrote this in the GIS section of Redmine, now I closed it there and opened here in gisaf... sorry for the confusion... I attach herewith a shapefile with three geometries: 1. square, 10 x 10 meters 2. rectangle, 30 x 10 meters 3. circle, 10 meters radius I created these features in CAD through rectangle and circle tool. Interestingly, it is imported not as polygons but as polylines. I tried to calculate the area via GIS, I could not... One more thing: in the field calculator, there are two ways to calculate areas: 1. \$area = Returns the area of the current feature. The area calculated by this function respects both the current project's ellipsoid setting and area unit settings. Eg, if an ellipsoid has been set for the project then the calculated area will be ellipsoidal, and if no ellipsoid is set then the calculated area will be planimetric. Syntax \$area Examples \$area → 42 2. area = Returns the area of a geometry polygon object. Calculations are always planimetric in the Spatial Reference System (SRS) of this geometry, and the units of the returned area will match the units for the SRS. This differs from the calculations performed by the \$area function, which will perform ellipsoidal calculations based on the project's ellipsoid and area unit settings. Syntax area(geometry) Arguments geometry polygon geometry object Examples area(geom_from_wkt('POLYGON')) → 8.0 Giulio			

Associated revisions

Revision 9c91b667 - 10/01/2017 03:59 - Philippe May

Fixes #3473, fixes #3482: use gdal (osgeo) instead of shapefile for importing, solving discrepancy of areas and interiors of polygons not processed correctly

History

#1 - 10/01/2017 04:01 - Anonymous

- Status changed from New to Resolved
- % Done changed from 0 to 100

Applied in changeset [gisaf|9c91b66761efede32161970c1cd8ece2adcfcd67](#).

#2 - 17/11/2017 12:30 - Philippe May
- Status changed from Resolved to Closed

Files

geometry try Giulio.zip	2.29 KB	09/01/2017	Giulio Di Anastasio
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