

## GIS - Bug #3480

### Area calculation of polygons - trial

09/01/2017 13:00 - Giulio Di Anastasio

<b>Status:</b>	Closed	<b>Start date:</b>	09/01/2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Spent time:</b>	0.00 hour
<b>Description</b>			
<p>Dear Philippe, I attach herewith a shapefile with three geometries:</p> <ol style="list-style-type: none"><li>1. square, 10 x 10 meters</li><li>2. rectangle, 30 x 10 meters</li><li>3. circle, 10 meters radius</li></ol> <p>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...</p> <p>One more thing: in the field calculator, there are two ways to calculate areas:</p> <ol style="list-style-type: none"><li>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</li></ol> <p>Examples \$area → 42</p> <ol style="list-style-type: none"><li>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</li></ol> <p>Examples area(geom_from_wkt('POLYGON')) → 8.0</p> <p>Giulio</p>			

#### History

##### #1 - 09/01/2017 13:00 - Giulio Di Anastasio

- File geometry try Giulio.zip added

Forgot the attachment...

##### #2 - 09/01/2017 14:51 - Giulio Di Anastasio

- Status changed from New to Closed

- % Done changed from 0 to 100

#### Files

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