

QGIS Application - Bug report #17290

field calculator: extract Z coord does not work

2017-10-16 07:55 PM - salvatore fiandaca

Status: Closed	
Priority: High	
Assignee:	
Category: Field calculator	
Affected QGIS version: master	Regression?: Yes
Operating System: win 10 64 bit	Easy fix?: No
Pull Request or Patch supplied: No	Resolution: invalid
Crashes QGIS or corrupts data: No	Copied to github as #: 25188
Description	
field calculator: extract Z coord does not work	
given a 3D shapefile, the field calculator does not extract the Z coord. used expression: z (\$ geometry)	
tests performed on OSGeo4W, does not work on: 2.14.19, 2.18.13 and 2.99 (ae4d26a675) machine win 10 64 bit	

History

#1 - 2017-10-16 09:46 PM - salvatore fiandaca

salvatore fiandaca wrote:

field calculator: extract Z coord does not work

given a 3D shapefile, the field calculator does not extract the Z coord.

used expression: z (\$ geometry)

tests performed on OSGeo4W, does not work on: 2.14.19, 2.18.13 and 2.99 (ae4d26a675)

machine win 10 64 bit

geometry is lineStringZ

#2 - 2017-10-16 10:01 PM - salvatore fiandaca

from other tests, it is known that to extract the coordZ just do z (point_n (\$ geometry, 1))

the question remains whether it is a bug or not

#3 - 2017-10-17 01:06 AM - Nyal Dawson

What z value would you expect it to give for a linestring? I'd say current behavior is correct, OR returning an array of all z values for the nodes in the line.

#4 - 2017-10-17 09:04 AM - Giovanni Manghi

- Status changed from Open to Feedback

#5 - 2017-10-17 09:46 AM - salvatore fiandaca

Nyall Dawson wrote:

What z value would you expect it to give for a linestring? I'd say current behavior is correct, OR returning an array of all z values for the nodes in the line.

for an isopse i would expect the z value that is equal for all nodes.
But I realized that it would only be a special case with $Z = \text{constant}$
thank you

#6 - 2017-10-17 09:58 AM - Giovanni Manghi

salvatore fiandaca wrote:

Nyall Dawson wrote:

What z value would you expect it to give for a linestring? I'd say current behavior is correct, OR returning an array of all z values for the nodes in the line.

*for an isopse i would expect the z value that is equal for all nodes.
But I realized that it would only be a special case with $Z = \text{constant}$
thank you*

I suggest to close this ticket (behavior correct) or add a feature request (array with all the values of the nodes).

#7 - 2017-10-17 10:05 AM - salvatore fiandaca

Giovanni Manghi wrote:

salvatore fiandaca wrote:

Nyall Dawson wrote:

What z value would you expect it to give for a linestring? I'd say current behavior is correct, OR returning an array of all z values for the nodes in the line.

*for an isopse i would expect the z value that is equal for all nodes.
But I realized that it would only be a special case with $Z = \text{constant}$
thank you*

I suggest to close this ticket (behavior correct) or add a feature request (array with all the values of the nodes).

yes, close as well.
thank you

#8 - 2017-10-17 11:06 AM - Giovanni Manghi

- Resolution set to invalid
- Status changed from Feedback to Closed

Files

estraiZ.7z	8.09 KB	2017-10-16	salvatore fiandaca
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