

QGIS Application - Bug report #21330

Missing hatch, wrong text alignment and line width from DWG import

2019-02-20 10:06 PM - Antoine Lafranchis

Status:	Closed	
Priority:	Normal	
Assignee:	Jürgen Fischer	
Category:	DWG/DXF import	
Affected QGIS version:	3.5(master)	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution:
Crashes QGIS or corrupts data:		Copied to github as #: 29148
Description		
<p>When I imported a DWG in Qgis, I noticed the following problems:</p> <ul style="list-style-type: none">- One hatch is missing (exists in attribute table but without geometry)- The texts are wrongly aligned (centered in Autocad, top left aligned in Qgis)- The line width (defined in the layer in Autocad) doesn't appear in Qgis <p>Also the hatch pattern and hatch opacity aren't converted but these are minor issues.</p>		

Associated revisions

Revision 92e7faab - 2019-02-19 07:56 PM - Jürgen Fischer

dwg/dxf import: fix angle and alignment handing of (m)texts

Revision b8c727f1 - 2019-02-19 07:56 PM - Jürgen Fischer

dwg import: force polyline and hatch/ring continuity

Revision 6bf2d9d4 - 2019-02-22 11:50 PM - Jürgen Fischer

dwg import: implement suggestion from #21330

History

#1 - 2019-02-22 11:47 AM - Jürgen Fischer

Antoine Lafranchis wrote:

When I imported a DWG in Qgis, I noticed the following problems:

- One hatch is missing (exists in attribute table but without geometry)
- The texts are wrongly aligned (centered in Autocad, top left aligned in Qgis)

was already fixed.

- The line width (defined in the layer in Autocad) doesn't appear in Qgis

That's a more involved problem. polylines (can) have width in map units - but also have a linewidth in render units, which might even be inherited from the

layer.

So we have two possibilities for units, but those currently cannot be data defined. In your case the polylines don't have a explicit polyline width. Therefore the width attribute is 0. linewidth is set to 0.5, but currently not used for polylines as the line symbol is set to use width with unit hardwired to map units. The latter wouldn't make sense for linewidth.

All I can offer now is the option change such polyline layers manually - which also only would work, if you don't have mixed cases.

#2 - 2019-02-22 07:47 PM - Antoine Lafranchis
- Status changed from Open to Closed

I installed yesterday's build and the missing hatch and misaligned text issues are indeed fixed! Thanks!

For the mixed width/linewidth i found a solution: i add two Simple Line symbols, one with map units and the other with pixels. For the first one i add data-defined 'enable layer' property with expression "width" > 0 and for the second one 'enable layer' is set to "width" = 0.

#3 - 2019-02-27 09:22 AM - Jürgen Fischer

Antoine Lafranchis wrote:

For the mixed width/linewidth i found a solution: i add two Simple Line symbols, one with map units and the other with pixels. For the first one i add data-defined 'enable layer' property with expression "width" > 0 and for the second one 'enable layer' is set to "width" = 0.

also implemented. transparency should also be in places - although it's a property of the color, so inheritance of only color or transparency might not work.

#4 - 2019-03-03 07:12 PM - Antoine Lafranchis

Thanks for fixing this.

It looks like there is still an issue with transparency applied in lines that should be opaque, but the problem is not in the symbology (it matches the rgba color value in the attribute table). I will create new clean DWG file and if the issue is confirmed I will open another report.

Files			
hatches_text.dwg	53.2 KB	2019-02-20	Antoine Lafranchis
hatches_text_autocad_screenshot.png	63.4 KB	2019-02-20	Antoine Lafranchis
hatches_text.gpkg	276 KB	2019-02-20	Antoine Lafranchis
hatches_text_qgis_screenshot.png	46.7 KB	2019-02-20	Antoine Lafranchis
qgis_dwg_import_settings.png	22.8 KB	2019-02-20	Antoine Lafranchis