

## QGIS Application - Bug report #11863

### invalid sld for graduated style on field with negative values

2014-12-15 05:58 AM - Maarten Pronk

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Expressions	
<b>Affected QGIS version:</b>	2.6.1	<b>Regression?:</b> No
<b>Operating System:</b>	Linux, Windows	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>		<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>		<b>Copied to github as #:</b> 20078
<b>Description</b>		
<p>When creating a graduated style on a field with negative values, the resulting sld file has the following xml:</p> <pre>&lt;ogc:PropertyIsLessThanOrEqualTo&gt;   &lt;ogc:PropertyName&gt;value&lt;/ogc:PropertyName&gt;   &lt;ogc:Literal&gt;-&lt;/ogc:Literal&gt;&lt;ogc:Literal&gt;0.786648&lt;/ogc:Literal&gt; &lt;/ogc:PropertyIsLessThanOrEqualTo&gt;</pre> <p>The sld has a Literal within a Literal. Loading the same sld back into QGIS produces rules with    like:</p> <pre>value &gt; '-'    4.45316 AND value &lt;= '-'    0.786648</pre> <p>Which results in the same visualization for all negative fields.</p> <p>Affects 2.4 to 2.6.1, probably also older versions. Tested on different layers, with different fields on Windows &amp; Linux.</p>		

#### Associated revisions

Revision f800ac63 - 2015-05-04 12:26 PM - Martin Dobias

Merge pull request #1975 from rduivenoorde/sldfix\_11863

Fixes #11863 (invalid SLD with negative values)

#### History

#1 - 2015-03-30 02:42 AM - Richard Duivenoorde

- Target version set to Version 2.8.2
- Category changed from Symbolology to Expressions
- File issue.zip added

I've been trying to debug this, and it appears that for the creation of the sld qgsexpression is used.

And after the parsing of an expression string like:

```
foo > -0.01 AND foo <= -0.001
```

the minus signs are seen/parsed as unary operators instead of a minus+double

adding an example project so hopefully somebody more into this part of the code is able to debug/fix it better

2025-04-27

1/2

**#2 - 2015-04-03 02:32 AM - Richard Duivenvoorde**

According to others it is not the parsing that is the problem,  
it is the xml/sld generation which does not take the unary-minus into account.

<https://github.com/qgis/QGIS/pull/1975>

is my try to fix this...

**#3 - 2015-05-04 03:30 AM - Martin Dobias**

- *Status changed from Open to Closed*

Fixed in changeset commit:"f800ac635b9f98d53becb721a1fd8f27c233a55c".

**#4 - 2015-05-08 08:13 AM - Richard Duivenvoorde**

- *Target version changed from Version 2.8.2 to Version 2.10*

**Files**

---

issue.zip	11.1 KB	2015-03-30	Richard Duivenvoorde
-----------	---------	------------	----------------------