

## QGIS Application - Bug report #9783

### Data defined properties expressions are wrong after saving them

2014-03-14 12:21 AM - Tudor Bărăscu

<b>Status:</b>	Closed	
<b>Priority:</b>	Severe/Regression	
<b>Assignee:</b>	Jürgen Fischer	
<b>Category:</b>	Symbology	
<b>Affected QGIS version:</b>	master	<b>Regression?:</b> No
<b>Operating System:</b>		<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> 18325
<b>Description</b>		
<p>On a pipe layer I'm using data defined properties to style the width of the line according to the diameter.</p> <p>For the case when I have a "diameter_nominal" from a joined field:</p> <p>In QGIS &gt;= Dufour: "diameter_nominal" / 400 + 0.5 gets saved as diameter_nominal / 400 + 0.5 and does NOT work.</p> <p>If I work with a field from the actual table everything works but I noticed that:</p> <p>In QGIS &gt;= Valmiera: "diameter" / 400 + 0.5 gets saved like diameter / 400 + 0.5</p> <p>-- Notice the quotes don't get saved in QGIS &gt;= 2.2 and I think they should.</p> <p>All the best,</p> <p>Tudor</p> <p>If I only fill the field with "diameter_nominal" it gets saved as it should ("diameter_nominal") but I need to be able to use the fields from the joined table in formulas.</p> <p>When working in the labels expression builder everything works. The problem is present only in the data defined properties expression builder.</p>		

#### Associated revisions

**Revision b6b78ca7 - 2014-03-14 06:50 PM - Jürgen Fischer**

expression: dump binary operations with brackets to break precedence (fixes #9783)

**Revision 4e49ad54 - 2014-04-19 11:36 PM - Jürgen Fischer**

data defined symbol dialog: only remove quoting if there is one (fixes #9783)

#### History

**#1 - 2014-03-14 02:03 AM - Tudor Bărăscu**

It seems this is all because the diameter field is numeric type and the other int type.

The solution is to have the expression like this.

```
toreal("diameter_nominal")/400 + 0.5
```

I don't know anymore if this is intended or a bug.

## #2 - 2014-03-14 02:55 AM - Tudor Bărăscu

Although this worked before (QGIS 2.0):

```
0.2 + toint(substr(regex_substr('600900', '(0[1-9]\\\\d+)', 2, 4))/900
```

The data defined properties box shows the correct result in the output preview (1.2) but after I save the expression it saves it as:

```
0.2 + toint(substr(regex_substr('600900', '(0[1-9]?+)', 2, 4)) / 900
```

Notice that the `\\\\d` gets replaced with `?` after saving and when reopening again it throws the invalid expression error in red.

## #3 - 2014-03-14 07:08 AM - Giovanni Manghi

- *Operating System deleted (Windows 7 64 bit)*
- *Affected QGIS version changed from 2.2.0 to master*
- *Target version set to Version 2.4*
- *Priority changed from Normal to Severe/Regression*
- *Subject changed from Data defined properties does not work with fields from joined tables in QGIS >= 2.0 to Data defined properties expressions are wrong after saving them*

The issue was confirmed/discussed also here

<http://lists.osgeo.org/pipermail/qgis-developer/2014-March/031547.html>

and it is indeed a regression as in 2.0.1 works as expected.

## #4 - 2014-03-14 10:35 AM - Jürgen Fischer

- *Assignee set to Jürgen Fischer*

## #5 - 2014-03-14 10:51 AM - Jürgen Fischer

- *Status changed from Open to Closed*

Fixed in changeset commit:"b6b78ca7a4498649e04d5e175132ec63ea7e2c30".

## #6 - 2014-03-30 01:39 AM - Giovanni Manghi

- *Status changed from Closed to Reopened*

sorry to reopen this, it seems there is still something odd. This is what I notice:

- quotation marks are stripped from columns names
- as noticed in #9823 in expressions with single numbers those are stripped
- the proposed workaround (ex: 10-0) serve only to make the expression stick, but the result is wrong (wrong symbol size)

**#7 - 2014-04-19 02:43 PM - Jürgen Fischer**

Giovanni Manghi wrote:

| *sorry to reopen this, it seems there is still something odd. This is what I notice:*

| - *quotation marks are stripped from columns names*

That's ok.

| - *as noticed in #9823 in expressions with single numbers those are stripped*

Unrelated to the original report, but the first and last character were removed even if the expression wasn't quoted - producing an empty expression for everything shorter than two characters.

**#8 - 2014-04-19 02:43 PM - Jürgen Fischer**

- *Status changed from Reopened to Closed*

Fixed in changeset commit:"4e49ad54cdab9d592eba190e268fced0ae628b9".