

QGIS Application - Bug report #3395

Field Calculator Integer Conversion Error

2011-01-06 06:00 AM - alexckp -

Status:	Closed	
Priority:	Low	
Assignee:	Jürgen Fischer	
Category:	Vectors	
Affected QGIS version:	master	Regression?: No
Operating System:	All	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: fixed/implemented
Crashes QGIS or corrupts data:	No	Copied to github as #: 13455
Description		
<p>I tried to use FC to extract an integer number using the following formula:</p> <p>(SURV_BRG * 1000) - to int (to int(SURV_BRG * 100) * 10)</p> <p>If the number is 62.233, the above formula will correctly return the number 3. However, when I encounter certain numbers, e.g. the number 65.1, the result is 9.9999999999272 instead of 0. I think this has to do with the to int function not returning a true integer and would appreciate if this problem could be solved.</p>		

History

#1 - 2011-04-16 07:16 AM - Anne Ghisla

I tried to reproduce the bug.

If I set the type of the new field as integer, the formula outputs 3 and 10 as expected.

If I set it as decimal, then I get the 9.99999.. even if the formula tries to output an integer.

Computing partial results in a new decimal field, with input value as 65.1, gives this:

$\text{SURV_BRG} * 100 = 6510$

$\text{to int}(\text{SURV_BRG}) = 65$

$\text{to int}(\text{SURV_BRG} * 100) = 6509$

If affects Fedora, so changing platform to All.

#2 - 2011-12-16 01:50 PM - Giovanni Manghi

- Target version changed from Version 1.7.0 to Version 1.7.4

#3 - 2012-04-16 06:24 AM - Paolo Cavallini

- Crashes QGIS or corrupts data set to No

- Affected QGIS version set to master

- Target version changed from Version 1.7.4 to Version 1.8.0

#4 - 2012-09-04 12:03 PM - Paolo Cavallini

- Target version changed from Version 1.8.0 to Version 2.0.0

#5 - 2013-09-24 01:37 PM - Jürgen Fischer

- *Pull Request or Patch supplied set to No*
- *Subject changed from Field Calculator Integer Conversion Error to Field Calculator Integer Conversion Error*

#6 - 2014-06-02 04:59 AM - Nathan Woodrow

- *Resolution set to fixed/implemented*
- *Status changed from Open to Closed*

There is a new expression engine since 2.0 and this is no longer an issue.