### QGIS Application - Bug report #14369

#### Floating point exception (core dumped)

2016-02-24 01:10 AM - Sandro Santilli

<table>
<thead>
<tr>
<th>Status</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee</td>
<td></td>
</tr>
<tr>
<td>Category</td>
<td>Symbology</td>
</tr>
<tr>
<td>Affected QGIS version</td>
<td>master</td>
</tr>
<tr>
<td>Operating System</td>
<td></td>
</tr>
<tr>
<td>Pull Request or Patch supplied</td>
<td>No</td>
</tr>
<tr>
<td>Crashes QGIS or corrupts data</td>
<td>Yes</td>
</tr>
<tr>
<td>Regression?</td>
<td>No</td>
</tr>
<tr>
<td>Easy fix?</td>
<td>No</td>
</tr>
<tr>
<td>Resolution</td>
<td></td>
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</table>

**Description**

While zooming in hard for debugging [https://trac.osgeo.org/postgis/ticket/3464](https://trac.osgeo.org/postgis/ticket/3464) (with TopoViewer), got fp exception on rendering

Core was generated by `output/bin/qgis`.

Program terminated with signal SIGFPE, Arithmetic exception.

```plaintext
#0 0x0000000000000000 in QHashData::nextNode(QHashData::Node*) () from /usr/lib/x86_64-linux-gnu/libQtCore.so.4 (gdb) bt
#0 0x0000000000000000 in QHashData::nextNode(QHashData::Node*) () from /usr/lib/x86_64-linux-gnu/libQtCore.so.4
#1 0x0000000000000000 in QHash<QString, QHashDummyValue>::const_iterator::operator++ (this=0x7fead77fe7b0) at /usr/include/qt4/QtCore/qhash.h:427
#2 0x0000000000000000 in QSet<QString>::const_iterator::operator++ (this=0x7fead77fe7b0) at /usr/include/qt4/QtCore/qset.h:155
#3 0x0000000000000000 in QSet<QString>::toList (this=0x7fead77fe7b0 <QgsMapRendererParallelJob::renderLayerStatic(LayerRenderJob&)::running>) at /usr/include/qt4/QtCore/qset.h:303
#4 0x0000000000000000 in QSet<QString>::values (this=0x7fead77fe7b0 <QgsMapRendererParallelJob::renderLayerStatic(LayerRenderJob&)::running>) at /usr/include/qt4/QtCore/qset.h:232
#5 0x0000000000000000 in QgsMapRendererParallelJob::renderLayerStatic (job=...) at /usr/include/qgis/qgis-master/src/core/qgsmaprendererparalleljob.cpp:274
#6 0x0000000000000000 in QtConcurrent::FunctionWrapper1<void, LayerRenderJob&>::operator() (this=0x1a7fc58, u=...) at /usr/include/qt4/QtCore/qtconcurrentfunctionwrappers.h:86
#7 0x0000000000000000 in QgsMapRendererParallelJob::renderLayerStatic (job=...) at /usr/include/qt4/QtCore/qset.h:73
#8 0x0000000000000000 in QtConcurrent::MapKernel<QList<LayerRenderJob>::iterator, QtConcurrent::FunctionWrapper1<void, LayerRenderJob&>::runIteration (this=0x1a7fc20, it=...) at /usr/include/qt4/QtCore/qtconcurrentmapkernel.h:82
#9 0x0000000000000000 in QtConcurrent::IterateKernel<QList<LayerRenderJob>::iterator, void>::forThreadFunction (this=0x1a7fc20) at /usr/include/qt4/QtCore/qtconcurrentiteratekernel.h:263
#10 0x0000000000000000 in QtConcurrent::IterateKernel<QList<LayerRenderJob>::iterator, void>::forThreadFunction (this=0x1a7fc20) at /usr/include/qt4/QtCore/qtconcurrentiteratekernel.h:225
#11 0x0000000000000000 in QgsMapRendererParallelJob::renderLayerStatic (job=...) at /usr/include/qgis/qgis-master/src/core/qgsmaprendererparalleljob.cpp:274
#12 0x0000000000000000 in QgsMapRendererParallelJob::renderLayerStatic (job=...) at /usr/include/qgis/qgis-master/src/core/qgsmaprendererparalleljob.cpp:274
#13 0x0000000000000000 in QgsMapRendererParallelJob::renderLayerStatic (job=...) at /usr/include/qgis/qgis-master/src/core/qgsmaprendererparalleljob.cpp:274
#14 0x0000000000000000 in start_thread (arg=0x7fead77f7f00) at pthread_create.c:312
#15 0x0000000000000000 in clone () at ../sysdeps/unix/sysv/linux/x86_64/clone.S:111
```

2022-03-04
Related issues:
Related to QGIS Application - Bug report # 14360: Failed ASSERT: "!running.co...  Closed 2016-02-22

Associated revisions
Revision 31c788d7 - 2016-02-25 05:14 AM - Martin Dobias

Fix rendering crash in debug mode (fixes #14369)

Introduced in b6de1971 due to the use of static variables in a function that is called from multiple threads.

Further changes to logging:
- also works when sequential rendering is used
- also works in release mode (to allow checking of rendering speed in normal QGIS release)

History
#1 - 2016-02-24 08:23 PM - Martin Dobias
- Status changed from Open to Closed

Fixed in changeset commit:"31c788d71f7c7cbacb06c06b93cd3ba599e2fa29b8".