

## QGIS Application - Bug report #1240

### Invalid preprocessor condition testing value of GEOS\_VERSION\_MAJOR

2008-08-22 05:34 AM - Mateusz Loskot -

<b>Status:</b> Closed	
<b>Priority:</b> Low	
<b>Assignee:</b> nobody -	
<b>Category:</b> Build/Install	
<b>Affected QGIS version:</b>	<b>Regression?:</b> No
<b>Operating System:</b> OS X	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	<b>Resolution:</b> fixed
<b>Crashes QGIS or corrupts data:</b>	<b>Copied to github as #:</b> 11300

#### Description

In file [source:trunk/qgis/src/core/qgsgeometry.h@9096#L27 qgsgeometry.h], line 27, preprocessir #if-def testing major version number is incorrect:

```
#if GEOS_VERSION_MAJOR<3
```

If the tested macro is not defined, it always evaluates to true. Small test:

- Incorrect condition due to the incompleteness

```
//#define ABC 3 // ABC not defined
```

```
#if (ABC < 4)
```

```
# error XXX // always printed, despite ABC undefined
```

```
#endif
```

```
int main() { return 0; }
```

- Correct #ifdef condition should include 2 tests together

```
//#define ABC 3
```

```
#if defined(ABC) && (ABC < 4)
```

```
# error XXX
```

```
#endif
```

```
int main() { return 0; }
```

#### Associated revisions

Revision 2e5506a2 - 2008-08-23 04:06 PM - Jürgen Fischer

various code cleanups by mloskot for GCC 4.1 (fixes #1239, #1240).

Inspired by it I also enabled pedantic mode for MSVC and cleaned

up some more warnings found by GCC 4.3 and MSVC.

git-svn-id: <http://svn.osgeo.org/ggis/trunk/ggis@9133> c8812cc2-4d05-0410-92ff-de0c093fc19c

#### **Revision 120a61ca - 2008-08-23 04:06 PM - Jürgen Fischer**

various code cleanups by mloskot for GCC 4.1 (fixes #1239, #1240).

Inspired by it I also enabled pedantic mode for MSVC and cleaned up some more warnings found by GCC 4.3 and MSVC.

git-svn-id: <http://svn.osgeo.org/ggis/trunk@9133> c8812cc2-4d05-0410-92ff-de0c093fc19c

#### **History**

---

##### **#1 - 2008-08-23 07:12 AM - Jürgen Fischer**

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

also fixed with commit:120a61ca (SVN r9134)