

QGIS Application - Bug report #1240

Invalid preprocessor condition testing value of GEOS_VERSION_MAJOR

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

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

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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)