QGIS Application - Feature request #3433
GEOSException not exposed through python bindings

2011-01-23 05:21 PM - rcoup -

Status:	Closed			
Priority:	Low			
Assignee:	Borys Jurgiel			
Category:	Python plugins			
Pull Request or Patch supplied:			**Resolution:**	fixed
Easy fix?:	No		**Copied to github as #:**	13493

Description

If you try and parse some invalid WKT (or do a number of other bad things), GEOS will throw an error you **can't catch** from Python, causing the interpreter to crash.

```
>>> from qgis.core import [[QgsGeometry]]
>>> # WKT has a missing ')'
>>> [[QgsGeometry]].fromWkt("POLYGON((0 0, 1 0, 1 1, 0 0)")
terminate called after throwing an instance of 'GEOSException'
Aborted
```

ideally a developer should be able to catch it with:

```
>>> from qgis.core import [[QgsGeometry]], GEOSException
>>> try:
>>>    [[QgsGeometry]].fromWkt("POLYGON((0 0, 1 0, 1 1, 0 0)")
>>> except GEOSException, e:
>>>    print "uh oh, WKT error: %s" % e
```

History

#1 - 2011-02-20 11:52 AM - Martin Dobias

- Resolution set to fixed

- Status changed from Open to Closed

This has been fixed in development version already (commit:520cfc63 (SVN r14905)). It is not possible to catch the exception, you will just get None instead of a valid geometry.