

QGIS Application - Bug report #19941

QgsLineString unexpected behaviour when constructed

2018-09-25 04:00 PM - Ivan Majic

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|--|--------------|-------------------------------------|
| Status: | Rejected | |
| Priority: | Normal | |
| Assignee: | | |
| Category: | Geometry | |
| Affected QGIS version: | 3.2.1 | Regression?: No |
| Operating System: | Ubuntu 18.10 | Easy fix?: No |
| Pull Request or Patch supplied: | No | Resolution: invalid |
| Crashes QGIS or corrupts data: | No | Copied to github as #: 27763 |
| Description | | |
| <p>While developing a plugin I have been using creating lines between two points with QgsLineString(). The documentation states that it can be constructed from two points as in QgsLineString(QgsPoint1, QgsPoint2), or from arrays of coordinates as in QgsLineString([x1, y1], [x2, y2]).</p> <p>I was getting unexpected results until I realized that coordinated get mixed up somewhere in the process. The only way in which I was able to create the expected results is if I used QgsLineString([x1, x2], [y1, y2]).</p> <p>In short:</p> <p>Expected = QgsLineString([x1, y1], [x2, y2])</p> <p>Actual = QgsLineString([x1, x2], [y1, y2])</p> | | |

History

#1 - 2018-09-25 04:42 PM - Alessandro Pasotti

- Resolution set to invalid
- Status changed from Open to Rejected

This is the signature you are calling by passing two arrays:

```
QgsLineString(x: Iterable[float], y: Iterable[float], z: Iterable[float] = [], m: Iterable[float] = [])
```

Construct a linestring from arrays of coordinates. If the z or m arrays are non-empty then the resultant linestring will have z and m types accordingly.

#2 - 2018-09-25 04:49 PM - Harrissou Santanna

Can you point the place in the documentation where arrays of coordinates as in QgsLineString([x1, y1], [x2, y2]) is mentioned, please? Thanks.

#3 - 2018-09-25 07:01 PM - Alessandro Pasotti

<https://qgis.org/pyqgis/master/core/Line/QgsLineString.html>