

# QGIS Application - Bug report #19704

## Function is\_closed() is not working

2018-08-27 09:33 AM - Zoran Petrovic

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b> Geometry	
<b>Affected QGIS version:</b> 3.2.2	<b>Regression?:</b> No
<b>Operating System:</b> Windows 10	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b> No	<b>Resolution:</b> fixed/implemented
<b>Crashes QGIS or corrupts data:</b> No	<b>Copied to github as #:</b> 27529

### Description

When using Select by expression or Field calculator, function is\_closed is not working.

For example:

this works:

```
CASE WHEN
```

```
x(start_point($geometry)) = x(end_point($geometry))
```

```
AND
```

```
y(start_point($geometry)) = y(end_point($geometry))
```

```
THEN 'closed' END
```

but this doesn't:

```
CASE WHEN
```

```
is_closed($geometry)
```

```
THEN 'closed' END
```

### Associated revisions

#### Revision e5e14dd6 - 2018-08-29 06:52 AM - Nyal Dawson

Fix is\_closed (and other expression functions) fail with multi\* input geometries

Fixes #19704

#### Revision c9442a9f - 2018-08-31 02:32 AM - Nyal Dawson

Fix is\_closed (and other expression functions) fail with multi\* input geometries

Fixes #19704

(cherry picked from commit e5e14dd68072473ade0f747034b63c6f89d88a1c)

### History

#### #1 - 2018-08-27 09:45 AM - Nyal Dawson

Can you share the wkt for some geometries this fails for?

**#2 - 2018-08-27 10:27 AM - Zoran Petrovic**

Nyall Dawson wrote:

| *Can you share the wkt for some geometries this fails for?*

Here is the sample (EPSG 3908):

```
MultiLineString ((6501338.13976828 4850981.51459331, 6501343.09036573 4850984.01453377, 6501338.13976828 4850988.96491092, 6501335.63971657 4850984.01453377, 6501338.13976828 4850981.51459331))
```

```
MultiLineString ((6501793.14917959 4851116.51137828, 6501798.09977704 4851119.01131875, 6501793.14917959 4851120.67794572, 6501791.48247845 4851119.01131875, 6501793.14917959 4851116.51137828))
```

```
MultiLineString ((6502558.16500301 4851122.3445727, 6502563.11560045 4851124.01119967, 6502558.16500301 4851128.96157683, 6502553.21440556 4851124.01119967, 6502558.16500301 4851122.3445727))
```

Is\_closed is probably having issues with the MultiLineString type.

**#3 - 2018-08-28 01:21 AM - Nyall Dawson**

- *Status changed from Open to In Progress*

<https://github.com/qgis/QGIS/pull/7728>

**#4 - 2018-08-29 06:52 AM - Nyall Dawson**

- *% Done changed from 0 to 100*

- *Status changed from In Progress to Closed*

Applied in changeset commit:qgis|e5e14dd68072473ade0f747034b63c6f89d88a1c.

**#5 - 2018-08-29 10:59 AM - Giovanni Manghi**

- *Resolution set to fixed/implemented*