QGIS Application - Bug report #19704
Function is_closed() is not working

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

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

Fix is_closed (and other expression functions) fail with multi* input geometries

Fixes #19704

Revision c9442a9f - 2018-08-31 02:32 AM - Nyall 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 - Nyall 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