# QGIS Application - Bug report #20272

# Polygon intersection on same layer returning wrong result

2018-10-30 01:00 PM - Zoran Petrovic

Status: Closed Priority: Normal

Assignee:

Category: Processing/QGIS

Affected QGIS version: 3.4.0 Regression: No
Operating System: Easy fix?: No
Pull Request or Patch shapplied: Resolution: invalid
Crashes QGIS or corrupts data: Copied to github as #: 28093

## Description

When running the vector **Intersection tool** and specifying the same layer as **Input** and **Overlay** layer, result contains an **intersection** and **symmetrical difference**.

See attached image.

#### History

## #1 - 2018-10-30 05:12 PM - Giovanni Manghi

- Operating System deleted (Windows 10 x64)
- Priority changed from High to Normal
- Category changed from Vectors to Processing/QGIS

#### #2 - 2019-01-23 11:31 AM - Julien Cabieces

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

Looks normal to me. If you intersect a polygon with itself, it returns the same polygon.

So it's the same for the layer, if you intersect a layer with itself you obtain the same layer, plus the areas where polygons from the layer covers each other.

#### **Files**

ggis intersection.png 51.8 KB 2018-10-30 Zoran Petrovic

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