

# QGIS Application - Bug report #20272

## Polygon intersection on same layer returning wrong result

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

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b> Processing/QGIS	
<b>Affected QGIS version:</b> 3.4.0	<b>Regression?:</b> No
<b>Operating System:</b>	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	<b>Resolution:</b> invalid
<b>Crashes QGIS or corrupts data:</b>	<b>Copied to github as #:</b> 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

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