# QGIS Application - Bug report #9887
## Example script "Hex grid from layer bound" creates topologically incorrect grid

2014-03-26 06:19 AM - Anita Graser

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|---|---|---|---|---|
| **Status:** | Closed | | | |
| **Priority:** | Normal | | | |
| **Assignee:** | Victor Olaya | | | |
| **Category:** | Processing/QGIS | | | |
| **Affected QGIS version:** | 2.4.0 | **Regression?:** | No | |
| **Operating System:** | | **Easy fix?:** | No | |
| **Pull Request or Patch supplied:** | No | **Resolution:** | fixed/implemented | |
| **Crashes QGIS or corrupts data:** | No | **Copied to github as #:** | 18408 | |

## Description

I think the vertices of the polygons do not have have the exact same coordinates. I performed the following test:

1. Create the hex grid,
2. Run extract nodes
3. Try to remove duplicate geometries

almost no points were removed because they differed somewhere on the 8th decimal position.

## History

**#1 - 2014-03-26 06:35 AM - Alexander Bruy**

Just tested: extract nodes creates layer with 7980 features, after Delete duplicate geometries I have 2416 features

**#2 - 2014-03-26 06:39 AM - Anita Graser**

Should probably mention that the layer CRS was WGS84.

**#3 - 2014-03-26 06:41 AM - Anita Graser**

- *Category set to 65*

**#4 - 2014-09-15 06:02 AM - Alexander Bruy**

- *Status changed from Open to In Progress*
- *Category changed from 65 to 67*

Bug is not in script itself, but in underlying mmqgisx algorithm

**#5 - 2014-10-03 02:40 AM - Alexander Bruy**

- *Status changed from In Progress to Feedback*

Should be fixed in commit:558765addf. Please check

**#6 - 2014-10-04 12:20 PM - Giovanni Manghi**

*- Category deleted (67)*

*- Crashes QGIS or corrupts data set to No*

*- Affected QGIS version set to 2.4.0*

*- Project changed from 78 to QGIS Application*


**#7 - 2014-10-04 12:20 PM - Giovanni Manghi**

*- Category set to Field calculator*


**#8 - 2014-10-04 12:20 PM - Giovanni Manghi**

*- Assignee set to Victor Olaya*


**#9 - 2014-10-09 12:43 AM - Alexander Bruy**

*- Category changed from Field calculator to Processing/QGIS*


**#10 - 2014-10-11 04:17 AM - Giovanni Manghi**

*- Resolution set to fixed/implemented*

*- Status changed from Feedback to Closed*