

## QGIS Application - Bug report #21501

### Distance matrix does not maintain data type and precision for Input Point Layer in Linear (N\*k x 3)

2019-03-06 04:20 PM - Andy Whyte

<b>Status:</b>	Open	
<b>Priority:</b>	Normal	
<b>Assignee:</b>	Victor Olaya	
<b>Category:</b>	Processing/QGIS	
<b>Affected QGIS version:</b>	3.7(master)	<b>Regression?:</b> No
<b>Operating System:</b>		<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>		<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>		<b>Copied to github as #:</b> 29318
<b>Description</b>		
<p>I have noticed that the distance matrix does not maintain precision or data type in InputID field created from the ID of the Input Point Layer to the tool.</p> <p>This is an issue because it means I cannot join my result to an existing layer. The Target Point layer does not seem to do this.</p> <p>For example the attached shapefile has an ID column (double, REAL, 20, P=0). When run through the distance matrix it inserts a decimal place. Additionally even if I use an integer ID field the output table will still not join to itself so it must be changing the type somehow to stop it from joining.</p> <p>I am using QGIS 3.6</p>		

#### History

##### #1 - 2019-03-06 04:20 PM - Giovanni Manghi

- Category changed from Unknown to Processing/QGIS

##### #2 - 2019-05-21 09:42 AM - Victor Olaya

- Assignee set to Victor Olaya

##### #3 - 2019-05-23 01:20 PM - Victor Olaya

- File Clipboard01.png added

I am not able to reproduce it. Looking at the code, the algorithm copies the input field definition literally, and doesn't alter it.

As you can see in the attached screenshot, the fields in the output table have precision 0

##### #4 - 2019-05-23 03:26 PM - Andy Whyte

Victor Olaya wrote:

I am not able to reproduce it. Looking at the code, the algorithm copies the input field definition literally, and doesn't alter it.

As you can see in the attached screenshot, the fields in the output table have precision 0

Now try and join your "InputID" field from your distance matrix back to your Point layer "REFKEY" field

#5 - 2019-05-23 03:29 PM - Andy Whyte  
- File Test.PNG added

The input ID is assigned a decimal point - please see PNG image.

#6 - 2019-05-23 04:54 PM - Giovanni Manghi  
- Operating System deleted (Windows 10)  
- Priority changed from High to Normal  
- Affected QGIS version changed from 3.6.0 to 3.7(master)

Files			
Point layer.cpg	5 Bytes	2019-03-06	Andy Whyte
Point layer.dbf	1.36 KB	2019-03-06	Andy Whyte
Point layer.qpj	690 Bytes	2019-03-06	Andy Whyte
Point layer.prj	417 Bytes	2019-03-06	Andy Whyte
Point layer.shp	1.82 KB	2019-03-06	Andy Whyte
Point layer.shx	604 Bytes	2019-03-06	Andy Whyte
Clipboard01.png	35.6 KB	2019-05-23	Victor Olaya
Test.PNG	29.5 KB	2019-05-23	Andy Whyte