

# QGIS Application - Feature request #12937

## Distance to nearest hub tool : Round distance

2015-06-11 03:04 AM - Jack Attack

<b>Status:</b> Closed	
<b>Priority:</b> Low	
<b>Assignee:</b>	
<b>Category:</b> Processing/QGIS	
<b>Pull Request or Patch supplied:</b>	<b>Resolution:</b> wontfix
<b>Easy fix?:</b> No	<b>Copied to github as #:</b> 21017
<b>Description</b>	
<p>In the <a href="#">Vector analysis tools</a>, In the <a href="#">Distance to nearest hub tool</a>,</p> <p><u>Currently</u> : You can choose your unit (meter, kilometer,...), meters are by default and the result is raw precise to <b>femtometre</b>, this is <math>10^{-15}</math> precision.</p> <p><u>Problem</u> : <math>10^{-15}</math> precision may not be pertinent when coordinate system (SCR) are precise to <math>10^{-2}</math> (centimeter) only. This is my understanding of SCR... open to discussion.</p> <p><u>User bypass</u> : Calculate new field or virtual field (decimal 8,2) <b>RoundDist = Round("HubDist",2)</b> This bypass works with every units (meters, feet, miles, kilometers, layer units).</p> <p><u>Suggestion</u> : Round Distance to nearest hub results, with <math>10^{-2}</math> precision.</p> <p>If accepted, there would be different approaches :</p> <ul style="list-style-type: none"><li>- optionnal (checkbox) or basic feature. I would like it to be a basic feature, but maybe someone wants the "old" not rounded feature to sort by sub-centimetric distance...</li><li>- round in the processing, or round at the end of the processing, or round by using attribute field definition (decimal 8,2 instead of decimal 10, not sure about that...), or use virtual fields,...</li></ul> <p>Thank you</p>	

### History

**#1 - 2015-06-11 05:12 AM - Giovanni Manghi**

- Category set to Processing/QGIS

**#2 - 2016-01-11 02:55 AM - Alexander Bruy**

Not sure if we should round any calculated values not only in Hub Distance tool, but also in all other tools like Export Geometry Info, Sum Line Length etc.  
One can easily get rounded values with virtual fields or by creating new field.

**#3 - 2016-04-11 12:05 AM - Alexander Bruy**

- Resolution set to wontfix

- Status changed from Open to Closed

It makes almost no sense for me. Reopen if necessary.