

## QGIS Application - Bug report #18770

### [Layout] Using an item variable to change its own properties dynamically does not work

2018-04-19 01:36 PM - Harrissou Santanna

<b>Status:</b>	Open	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Map Composer/Printing	
<b>Affected QGIS version:</b>	3.5(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> 26657
<b>Description</b>		
<p>Let's add a map item and try to change its position using data-defined properties.</p> <p>If I write expression like case when @layout_pageheight &gt;210 then 10 else 40 end for the X position data-defined button, then anytime i change the page size crossing the 210, I can see the map item moving in the layout. Great!</p> <p>Now if i write case when @map_scale &gt;5000 then 10 else 40 end for the same property and change the scale of the map item, it does not move... until something else triggers its displacement ie:</p> <ul style="list-style-type: none"><li>- I use the select/move item button to move the item</li><li>- I manually change the X position spinbox value</li><li>- or I have another call (let's say the one with layout_pageheight) that triggers a movement</li></ul> <p>In all these case, it will move to the data-defined position.</p> <p>I checked with other internal variable of the map item (map_rotation, eg) and other items (eg, label item with its rotation data-defined button using item_id variable) and anytime I use an interval variable to set a property of the item, no change occurs dynamically.</p> <p>This makes the layout item's variables a bit useless (as you can not even call them from another item properties in 2.18).</p> <p>Affects both 2.18 and 3.1 (master)</p>		

#### History

#1 - 2018-04-19 01:56 PM - Nyal Dawson

Other actions trigger a refresh too - e.g. clicking refresh, changing to a new atlas feature, exporting the layout.

#2 - 2018-04-19 02:08 PM - Harrissou Santanna

I could have bet that I tried the refresh button unsuccessfully but i'd have lost... So yes, my list was not complete.

Anyway, good to see that when output time comes, the expressions are applied.

#3 - 2019-01-21 12:35 AM - Jürgen Fischer

- Status changed from Open to Feedback

Please test with QGIS 3.4 - QGIS 2.18 reached it's end of life.

**#4 - 2019-01-21 05:17 PM - Harrissou Santanna**

- *Affected QGIS version changed from 2.18.18 to 3.5(master)*
- *Status changed from Feedback to Open*

Confirmed on master 3.5. Using @map\_scale does not visually trigger the map item placement in my example; you may need to eg refresh the dialog beforehand.