# QGIS Application - Bug report #8887

qgis don't use correctly the map-units in dimension of data-defined-properties for SVG

2013-10-17 03:31 AM - aperi2007 -

Status:ClosedPriority:NormalAssignee:Radim BlazekCategory:Symbology

Affected QGIS version: 2.0.1

Operating System:

Pull Request or Patch shapplied:

Crashes QGIS or corrupts data:

Regression:

No

Resolution:

invalid

Copied to github as #: 17566

#### Description

when use a SVG symbol, and choose a data-definition field for the dimension.

QGIS sclae the symbol, ma don't follow correctly the scale.

If I choose the "millimeters" unit it work correctly, but if I choose the "map unit" it grow but not proportionally to the scale.

#### **Associated revisions**

Revision 3256c926 - 2014-01-28 05:21 PM - Radim Blazek

Add scale method to data defined size label, related to #8887

#### Revision 71c1ad10 - 2014-02-09 05:42 PM - Radim Blazek

sqrt symbol size for ScaleArea before scale to context units, fixes #8887

### History

#### #1 - 2014-01-28 08:49 AM - Radim Blazek

- Resolution set to invalid

There is no bug but it is quite tricky. Data defined size may be used in two modes as area or diameter. Unfortunately that mode is set on renderer level (far from data defined size definition) in renderer widget "Advanced -> Size scale field -> Scale area / Scale diameter". If the mode is area (default), square root of the value is used for symbol size. It applies also to simple marker.

In commit:3256c92 I added to the size property label also the mode. So it looks like:

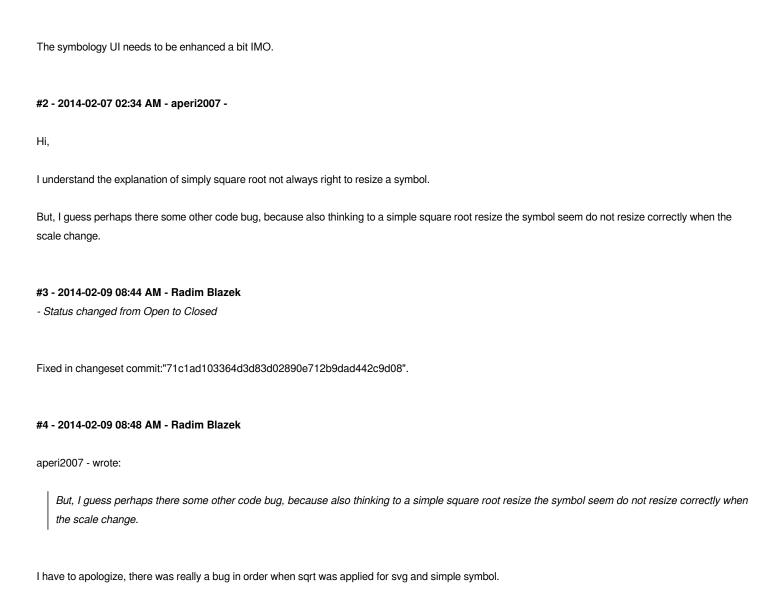
- Size (area)
- Size (diameter)

Hopefully sufficient, there is no space for longer description.

The question is if the mode should be applied on renderer level. Maybe it should be moved down to symbol layers definition. More symbols with different modes may be required. There are other cases where a value may be overwritten recursively from top level (color for example), but the UI is not ideal, it should be more obvious that the value is going to be applied to all (not always) subitems.

BTW: the mode name 'area' is not perfect, because it is using simply square root and does not consider real symbol shape. So the resulting areas (circle for example) are not really equal to the data value. This may be quite dangerous and it should be shown in UI more explicitly, but where?

2024-04-27 1/2



#5 - 2014-05-26 03:51 AM - Radim Blazek

Ticket fixed with funding from Regione Toscana-SITA (CIG:ZB10C90E5A).

## #6 - 2014-05-26 03:52 AM - Radim Blazek

- Assignee set to Radim Blazek

2024-04-27 2/2