QGIS Application - Bug report #16413
sld line pattern fill rotation is counter-clockwise, in GeoServer is clockwise

2017-04-05 02:41 AM - Gabriele Monfardini

Status:	Closed			
Priority:	Normal			
Assignee:				
Category:	Symbology			
Affected QGIS version:	master	**Regression?:**	No	
Operating System:		**Easy fix?:**	No	
Pull Request or Patch supplied:	No	**Resolution:**	not reproducable	
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	24322	

Description

I have a layer style with a PolygonSymbolizer filled with a line pattern fill with a rotation

```
<se:PolygonSymbolizer>
 <se:Fill>
  <se:GraphicFill>
   <se:Graphic>
    <se:Mark>
     <se:WellKnownName>horline</se:WellKnownName>
      ...
    </se:Mark>
    <se:Rotation>
     <ogc:Literal>135</ogc:Literal>
    </se:Rotation>
    ...
```

The rotation is evaluated counter-clockwise with positive values.

Importing the SLD in GeoServer, rotation is evaluated clockwise, so the result is not the same.
I'm not a SLD expert but looking at SLD documentation it seems that rotation should be evaluated clockwise, as in GeoServer.

History

#1 - 2017-05-01 01:01 AM - Giovanni Manghi

- Easy fix? set to No

- Regression? set to No

#2 - 2017-10-14 12:06 PM - Andrea Aime

- Resolution set to not reproducable

- Status changed from Open to Closed

- Description updated

From the SLD specification:

"The Rotation element gives the rotation of a graphic in the clockwise direction about its

center point in decimal degrees, encoded as a floating-point number"

However I've just tried doing a line fill with a rotation of 45, qgis rotated the line clockwise, and exported the value as 45, which is also interpreted as

clockwise. Importing it in GeoServer showed instead a counter-clockwise rotation (after "fixing" the symbol name from "horline" to "shape://horline", this is one issue we still have to harmonize between the two projects, along with similar support with rotation in fills, GeoServer does it but adds extra spaces around the line).

I believe the bug is actually on the GeoServer side, closing it here (spoken as a GeoServer developer :-p)