

Wt - Feature #2905

axis autoscale

04/04/2014 05:54 PM - Стойчо Стефанов Stoycho Stefanov

Status:	Feedback	Start date:	04/04/2014
Priority:	Normal	Due date:	
Assignee:	Koen Deforche	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
Hey,			
it seems to me the axis auto scaling algorithm should be improved. When the y-axis is auto scaled ant a horizontal line (at 3.3. see attachment) is rendered the scaling, or more precisely the axis labelling fails. The axis settings are:			
<pre>Chart::WAxis& yAxis = chart->axis(Chart::YAxis); yAxis.setAutoLimits(Chart::MinimumValue Chart::MaximumValue); yAxis.setRange(Chart::WAxis::AUTO_MINIMUM, Chart::WAxis::AUTO_MAXIMUM); yAxis.setRoundLimits(Chart::MinimumValue Chart::MaximumValue);</pre>			
Could you try to fix it, please? I'd looked in the sources but it's quite difficult for me to understand the scaling and labelling algorithms and suggest something or just find better solution for my needs.			
regards,			
Stoycho			

History

#1 - 04/12/2014 11:04 AM - Koen Deforche

- Status changed from New to Feedback

- Assignee set to Koen Deforche

Hey,

When you want an automatic axis scale but only have a single data point, then the axis does not really know what resolution you want. You can indicate it with `axis.setResolution()`.

For example, in this case, an `axis.setResolution(0.1)` could be appropriate.

Regards,

koen

#2 - 04/15/2014 03:49 PM - Стойчо Стефанов Stoycho Stefanov

Hey,

perhaps you could consider the following automatic axis scale when the chart has equal data points in some dimension (pseudo code):

```
if (chart_.series(0).min() == chart_.series(0).max()){
    double value = chart_.series(0).min();
    ...
    double res = exp10(floor(log10(value)) - 1);
    yAxis.setResolution(res);
}
```

For me it seems reasonable.

Regards,

Stoycho

Files

