

Wt - Feature #5674

Multiple series for WAxisSliderWidget.

04/24/2017 12:52 PM - Apivan Tuntakurn

Status:	New	Start date:	04/24/2017
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			

Description

Apparently, WAxisSliderWidget cannot show more than one series at a time.

And, it would be nice if there is a method to automatically use the same series color that are shown in the main chart.

The code below is a temporary add-only patch that allowed WAxisSliderWidget to add and show multiple series at time.

```
diff --git a/src/Wt/Chart/WAxisSliderWidget b/src/Wt/Chart/WAxisSliderWidget
index 717dc33..58d42fc 100644
--- a/src/Wt/Chart/WAxisSliderWidget
+++ b/src/Wt/Chart/WAxisSliderWidget
@@ -50,6 +50,7 @@ public:
     virtual ~WAxisSliderWidget();

     void setSeries(WDataSeries *series);
+ void setSeries(const std::vector<WDataSeries*>& series);

     /*! \brief Set the pen to draw the data series with.
     */
@@ -165,6 +166,7 @@ private:
     const WCartesianChart *chart() const;

     WDataSeries *series_;
+ std::vector<WDataSeries* > seriesVector_;
     WPen seriesPen_;
     WPen *selectedSeriesPen_;
     WBrush handleBrush_;

diff --git a/src/Wt/Chart/WAxisSliderWidget.C b/src/Wt/Chart/WAxisSliderWidget.C
index 29f05f0..c69be29 100644
--- a/src/Wt/Chart/WAxisSliderWidget.C
+++ b/src/Wt/Chart/WAxisSliderWidget.C
@@ -98,6 +98,14 @@ void WAxisSliderWidget::setSeries(WDataSeries *series)
    }
}

+void WAxisSliderWidget::setSeries(const std::vector<WDataSeries*>& series)
+{
+ seriesVector_ = series;
+ WDataSeries* firstSeries = seriesVector_[0];
+ seriesVector_.erase(seriesVector_.begin());
+ this->setSeries(firstSeries);
+}
+
void WAxisSliderWidget::setSeriesPen(const WPen& pen)
{
    if (pen != seriesPen_) {
@@ -410,6 +418,7 @@ void WAxisSliderWidget::paintEvent(WPaintDevice *paintDevice)
    }

    WPainterPath curve;
+ WTransform SeriesTransform;
    {
```

```

WTransform t = WTransform(1,0,0,1,seriesArea.left(),seriesArea.top()) *
WTransform(seriesArea.width() / chartArea.width(), 0, 0, seriesArea.height() / chartArea.he
ight(), 0, 0) *
@@ -418,8 +427,11 @@ void WAxisSliderWidget::paintEvent(WPaintDevice *paintDevice)
    t = WTransform(0,1,1,0,selectionAreaPadding(Left) - selectionAreaPadding(Right) - 5,0) * t
* WTransform(0,1,1,0,0,0);
    }
    curve = t.map(chart()->pathForSeries(*series_));
+
+ SeriesTransform = t;
    }

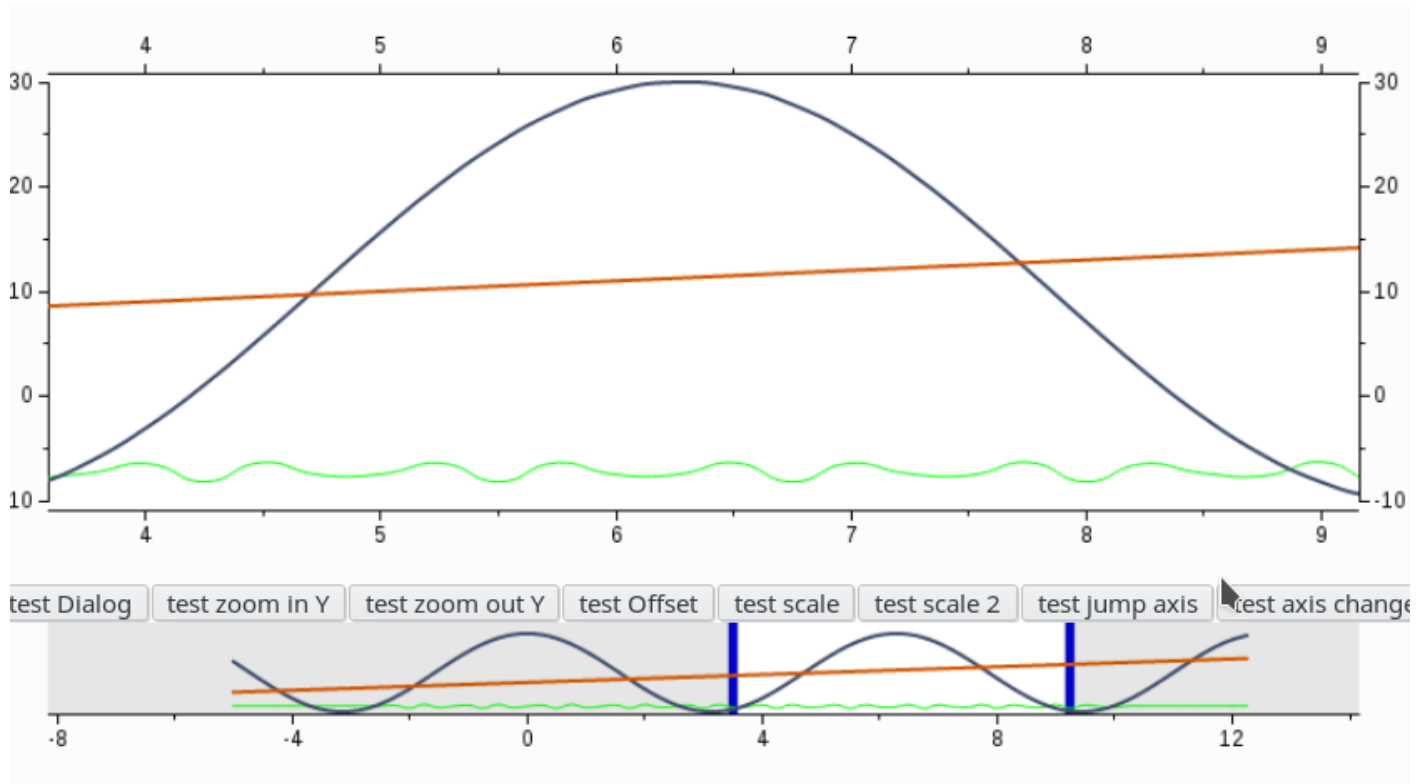
+
+ {
    WRectF leftHandle = hv(WRectF(-5, top, 5, h - top - bottom));
    WTransform t = (WTransform(1,0,0,1,left,-top) *
@@ -467,6 +479,12 @@ void WAxisSliderWidget::paintEvent(WPaintDevice *paintDevice)
    painter.setPen(seriesPen());
    painter.drawPath(curve);
    }
+
+ for(std::vector<WDataSeries* >::const_iterator it = seriesVector_.begin(); it != seriesVector_.
end(); ++it){
+ painter.setPen((*it)->pen()); //< use pen from series.
+ const WPainterPath& curvex = SeriesTransform.map(chart()->pathForSeries>(*(*it)));
+ painter.drawPath(curvex);
+ }

    if (getMethod() == HtmlCanvas) {
        WApplication *app = WApplication::instance();

```

History

#1 - 04/24/2017 12:53 PM - Apivan Tuntakurn



Files

multiseries.png

60.6 KB

04/24/2017

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