
Subject: Re: How do I make this graph?

Posted by [jerson](#) on Thu, 09 May 2013 06:19:26 GMT

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Thanks for all the help. I have been able to make a workable solution with the scatterctrl.

The blue line is what I wish to draw. It interpolates between data points that are presented to scatterctrl. However, the un-initialized vector data shows up at 0,0 This is not desirable because when I turn on .plot(), lines appear connecting 0,0 to each of the points in the series. It looks like cones falling from 0,0 (orange lines)

I am setting the vector like this

```
Vector<Pointf> LeftSeries[4];
```

Since I have just 12 points on X axis, I enter the data like this

```
Test.scaLeft.SetRange(12, 130).SetXYMin(0, -120);
Test.scaLeft.SetMajorUnits(1, 10).ShowLegend(true);
Test.scaLeft.SetLabelX("Frequency (Hz)").SetLabelY("dB");
Test.scaLeft.cbModifFormatX = THISBACK(A2001_13::FormatX);
Test.scaLeft.cbModifFormatY = THISBACK(A2001_13::FormatY);
Test.scaLeft.AddSeries(LeftSeries[0]).Legend("ACL").NoPlot()
    .AddSeries(LeftSeries[1]).Legend("ACLM")
    .AddSeries(LeftSeries[2]).Legend("BCL")
    .AddSeries(LeftSeries[3]).Legend("BCLM");
```

and to plot the points

```
double f = -1;
```

```
Test.stText = AsString(Test.spnFrequency.GetIndex());
LeftSeries[0].Set(Test.spnFrequency.GetIndex(),
    Pointf(Test.spnFrequency.GetIndex(), f*Test.spnIntensity));
Test.scaLeft.Refresh();
```

Test is a <TopWindow>, others are EditIntSpin while spnFrequency is a droplist

The user can enter any point (not necessarily in a sequence of X) and the graph would interpolate it.

Question is, can this be done?

Best regards

Jerson

File Attachments

1) [CropImage.jpg](#), downloaded 628 times
