
Subject: Re: Table Widget

Posted by [davidf](#) on Thu, 22 Jan 1998 08:00:00 GMT

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DMottershead (DMottershead@mhl.nsw.gov.au) writes
a fabulous tale about drawing object graphics. And
at the end he claims this:

- > Say for example I have a y axis labelled from 0 to 10 the first pass.
- > Next pass I have values from 0 - 20. The labels will halve their size in
- > both x and y direction.

No! I find this *extremely* hard to believe from the code
David provided, which couldn't possibly produce this
effect. It's more likely that it is already Friday in
Australia and David has started throwing back those wonderful
VBs in the late afternoon sun while he tries to finish up
a nice program. :-)

I know that a 10 point font is a different size based on
the size of the output window, but this is usually what
you want. But I have never, ever seen a 10 point font that
was a different size depending on the range of the axis!

I realize this is a pain in the neck, David. But is there
a way to reduce this problem down to an example we could
run? I really would have to see this to believe it. :-)

What kind of machine are you running this on, anyway?

I'm going to go get a few beers in anticipation of having
something juicy to work on this evening. :-)

Cheers,

David

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Subject: Table Widget

Posted by [DMottershead](#) on Fri, 23 Jan 1998 08:00:00 GMT

Also, with regards to this table widget I have a draw widget defined below the table widget. When a user selects a column of data this data is displayed in the draw widget. My problem is that when the axes change to plot different data ranges, the axis labels change size as well. The code to plot the data is shown below:-

```
pro CTD_Table_Widget_Events, event

    ; This event handler handles draw widget expose events.

WIDGET_CONTROL, event.top, GET_UVALUE = ptr

    ; Draw the graphic.

result = widget_info(event.id,/table_select)

a=result(0)
b=result(1)
c=result(2)
d=result(3)

data = (*ptr).plotdata(a:c, b:d)

; set the plot data

(*ptr).plot.thisPlot->SetProperty, datay = data

(*ptr).plot.thisPlot->GetProperty, XRange=xrange, YRange=yrange

; Set up the scaling so that the axes for the plot and the
; plot data extends from 0->1 in the X and Y directions.

xs = Normalize(xrange)
ys = Normalize(yrange)

; Scale the plot data into 0->1.

(*ptr).plot.thisPlot->SetProperty, XCoord_Conv=xs, YCoord_Conv=ys
(*ptr).plot.xAxis1->SetProperty, Ticklen = 0.01
(*ptr).plot.xAxis1->SetProperty, minor = 4
(*ptr).plot.xAxis1->SetProperty, range = xrange
(*ptr).plot.xAxis1->SetProperty, XCoord_Conv = xs
(*ptr).plot.xAxis1->SetProperty, tickdir = 1
;(*ptr).plot.yAxis1->SetProperty, Location = [xs[0],ys[0]]
(*ptr).plot.xAxis1->SetProperty, Location = [0,0]
(*ptr).plot.yAxis1->SetProperty, Ticklen = 0.01
(*ptr).plot.yAxis1->SetProperty, minor = 4
```

```
(*ptr).plot.yAxis1->SetProperty, range = yrange
(*ptr).plot.yAxis1->SetProperty, YCoord_Conv = ys
(*ptr).plot.yAxis1->SetProperty, tickdir = 1
;(*ptr).plot.yAxis1->SetProperty, Location = [xs[0],ys[0]]
(*ptr).plot.yAxis1->SetProperty, Location = [0,0]
```

```
xaxistext = Obj_New('IDLGrText', font = (*ptr).plot.helvetica6pt)
yaxistext = Obj_New('IDLGrText', font = (*ptr).plot.helvetica6pt)
```

```
xAxisText->SetProperty, Font=(*ptr).plot.helvetica6pt
yAxisText->SetProperty, Font=(*ptr).plot.helvetica6pt
```

```
(*ptr).obj.odel->add, xaxistext
(*ptr).obj.odel->add, yaxistext
```

; render the graphics to the window

```
(*ptr).obj.owindow -> Draw, (*ptr).obj.oview
```

```
return
end
```

Say for example I have a y axis labelled from 0 to 10 the first pass.
Next pass I have values from 0 - 20. The labels will halve their size in
both x and y direction.

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Regards

David

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*****
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*****
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Subject: Re: Table Widget
Posted by [davidf](#) on Fri, 30 Jan 1998 08:00:00 GMT
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David Mottershead (DMottershead@mhl.nsw.gov.au) wrote a fantastical
story lately that began like this:

> Also, with regards to this table widget I have a draw widget defined
> below the table widget. When a user selects a column of data this data

> is displayed in the draw widget. My problem is that when the axes change
> to plot different data ranges, the axis labels change size as well. The
> code to plot the data is shown below:

David was quite correct about this. (I had to see it with my own eyes, frankly.) It is clearly a bug and has been entered as such in the RSI database.

For the time being, David, I think I would suggest direct graphics for this application. It might even be faster. :-)
Cheers,

David

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