Subject: IDlgrSymbol recompute_dimensions ??
Posted by natha on Thu, 03 Apr 2008 17:46:02 GMT
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Hi folks,

I've a problem when I use symbols in IDLgrPlot. After plot my values I
do a conversion using NORMALIZE function from COYOTE'S guide
(www.dfanning.com).

The symbol of each plot value is deformed when I set XCOORD_CONV and
YCOORD_CONV properties.
IDLgrSymbol dont have the recompute dimensions property, then how can
I do for draw a plot and normalize it with no deformation on my
symbols ?

Thanks

Bernat

Subject: Re: IDlgrSymbol recompute_dimensions ??
Posted by David Fanning on Thu, 03 Apr 2008 17:58:51 GMT
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bernat writes:

> I've a problem when I use symbols in IDLgrPlot. After plot my values I
> do a conversion using NORMALIZE function from COYOTE'S guide
> (www.dfanning.com).

Why are you doing a conversion *after* the plot?

> The symbol of each plot value is deformed when I set XCOORD_CONV and
> YCOORD_CONV properties.

When you set them on what?

> IDLgrSymbol dont have the recompute dimensions property, then how can
> I do for draw a plot and normalize it with no deformation on my
> symbols ?

Why do you want to normalize them? I should think simply scaling them
would be enough.

Need more info...

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming (www.dfanning.com)
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: IDlgrSymbol recompute_dimensions ??
Posted by natha on Thu, 03 Apr 2008 18:24:22 GMT
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I do that,

plot=OBJ_NEW('IDlgrPlot', SYMBOL=oSymbol)

plot->SetProperty, DATAX=datax, DATAY=datay
plot->GetProperty, XRANGE=xrange, YRANGe=yrange

xs=NORMALIZE(xrange, POSITION=[location[0],
location[0]+dimensions[0]])
ys=NORMALIZE(yrange, POSITION=[location[1],
location[1]+dimensions[1]])

plot->SetProperty, XCOOR_CONV=xs, YCOORD_CONV=ys

Where datax and datay are my values, oSymbol is my IDLgrSymbol and
location and dimensions is the position and dimensions of the plot in
the View.

Subject: Re: IDlgrSymbol recompute_dimensions ??
Posted by David Fanning on Thu, 03 Apr 2008 18:42:13 GMT
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bernat writes:

> I do that,
>
> plot=OBJ_NEW('IDlgrPlot', SYMBOL=oSymbol)
>
> plot->SetProperty, DATAX=datax, DATAY=datay
> plot->GetProperty, XRANGE=xrange, YRANGe=yrange
>
> xs=NORMALIZE(xrange, POSITION=[location[0],

> location[0]+dimensions[0]])
> ys=NORMALIZE(yrange, POSITION=[location[1],
> location[1]+dimensions[1]])
>
> plot->SetProperty, XCOOR_CONV=xs, YCOORD_CONV=ys
>
> Where datax and datay are my values, oSymbol is my IDLgrSymbol and
> location and dimensions is the position and dimensions of the plot in
> the View.

Oh, right. I don't have time to work on this, but
I see in XPLOT (on my web page), I have had to size
the symbol according to the axes ranges. I've done
something like this:

```
; Size the symbols appropriately for the plot.
xSymSize = (xrange[1] - xrange[0]) * 0.015 * symSize
ySymSize = (yrange[1] - yrange[0]) * 0.015 * symSize
IF Obj_Valid(thisSymbol) THEN $
   thisSymbol->SetProperty, Size=[xSymSize, ySymSize]
```

If I don't do that, the symbols are completely misshaped.

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming (www.dfanning.com)
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: IDlgrSymbol recompute_dimensions ??
Posted by natha on Thu, 03 Apr 2008 19:31:36 GMT
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thanks David

;)
