
Subject: Re: NORMALIZE.pro strange behavior ?
Posted by [David Fanning](#) on Fri, 15 Jan 2010 02:54:12 GMT
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nata writes:

```
> I want to plot, using object graphics, the following data:
> xr=[0,10]
> yr=[5,-5]
> datax=findgen(10)
> datay=reverse(findgen(10)-5)
>
> Using direct graphics I don't have any problem: PLOT, datax, datay,
> xr=xr, yr=yr
> Normally, when I use object graphics I use the normalize.pro function
> from coyote's library. So, the same code to plot the data using object
> graphics should be this:
>
> aa=OBJ_NEW('IDLgrPlot')
> aa->Setproperty, datax=datax, datay=datay, xr=xr, yr=yr, THICK=20
> position=[10,90]
> xs=NORMALIZE(xr, POSITION=position)
> ys=NORMALIZE(yr, POSITION=position)
> aa->SetProperty, xcoord_conv=xs, ycoord_conv=ys
> XOBJVIEW, aa
>
> Oups ! what's happening here. There is no result... ?? I think that
> the problem is because my yrange is from a positive value to a
> negative value.
> Do you know what's happening here and how can I obtain the same result
> as direct graphics ?
```

This has absolutely nothing to do with Normalize (or FSC_Normalize, as it is known these days). It has to do with the fact that whoever designed the object graphics system had no idea someone would want to display reversed axes like this. :-(

http://www.dfanning.com/ographics_tips/axis_reverse.html

Cheers,

David

--

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: NORMALIZE.pro strange behavior ?
Posted by [natha](#) on Fri, 15 Jan 2010 15:45:34 GMT
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Sometimes IDL sucks, grahhrha%####@\$grhahr\$2HAHg@aaf## !

Thank you David for your help and for your contribution on the IDL community.

nata

Subject: Re: NORMALIZE.pro strange behavior ?
Posted by [Jeremy Bailin](#) on Sat, 16 Jan 2010 23:55:39 GMT
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> http://www.dfanning.com/ographics_tips/axis_reverse.html

Ye gods!!

Every now and then I think "maybe I should abandon direct graphics to embrace the power of object graphics". And then I read an article like that and I run screaming.

-Jeremy.
