
Subject: Re: log scale colorbar in IDL 8.0
Posted by [pgrigis](#) on Thu, 19 May 2011 15:59:17 GMT
[View Forum Message](#) <> [Reply to Message](#)

On May 18, 10:54 pm, David Fanning <n...@idlcoyote.com> wrote:

> Paolo writes:
>> but I was worried that in the CG era people may shun
>> older-fashioned programs that do not have those fancy
>> features like automatic resizing etc.
>
>> The trick is to choose a good interpolation scheme
>> for the pixel values - the one I have in my
>> http://hea-www.cfa.harvard.edu/~pgrigis/idl_stuff/pg_plotimage.pro
>> may not be suitable for all uses though.
>
> I made a Coyote Graphics command out of your pg_plotimage
> program. You can find it here:
>
> http://www.idlcoyote.com/misc/pg_plotimage.pro
>
> It took about a half hour. You can run your example
> program and display the output in a resizable
> cgWindow like this:
>
> loadct,5
> im=dist(128,128)
> x=findgen(128)
> y=findgen(128)
> pg_plotimage,im,x,y,xrange=[5,100],\$
> yrange=[5,100],/xstyle,/ystyle,/xlog,/window

By the way, the cg version doesn't seem to be properly honoring the axis ranges. For instance, a y range of [-100,100] should show an image only in the upper half of the axis, as the image y-range is only [0,127]...

(well one could wonder why would you plot that way...
but the idea behind pg_plotimage was to plot an image the same way you would use "plot"...)

Ciao,
Paolo

>
> Cheers,
>

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