
Subject: Re: David's TVSCALE

Posted by [maye](#) on Thu, 04 Oct 2007 22:31:31 GMT

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On Sep 10, 3:37 am, David Fanning <n...@dfanning.com> wrote:

> maye writes:

>> David's TVSCALE and TVIMAGE programs nicely calculate the positions

>> required for multiplots (using !p.multi), but I would like to control

>> the output-size per assigned space in the multiplot window.

>> Example:

>> If I set

>> !p.multi=[0,2,2]

>> so that I have 4 subframes to fill, I would like to tell TVSCALE (or

>> TVIMAGE), that it should not use the whole of that quarter window, but

>> only the lower 80% or so of it, so that I have space to put a colorbar

>> on top of each subframes.

>> But the position keyword of TVSCALE seems to be ignored for

>> multiplots?

>> So how could I do it? I basically would like 4 subframes each having

>> their own colorbar on top of the displayed image.

>

> Alright, in an ongoing effort to keep TVIMAGE and TVSCALE

> as the number one TV replacements in the IDL universe,

> I have added the ability to do what you want to do here.

>

> Now, if you use the POSITION keyword with either TVIMAGE

> or TVSCALE, and you are displaying images with !P.MULTI,

> the POSITION keyword will position the image with respect

> to the "window" specified for the image by !P.MULTI. (Since

> no one in their right mind would be using the POSITION

> keyword and !P.MULTI together, I figure this won't affect

> anyone currently using the TVIMAGE command.)

>

> So, to put four images and associated colorbars into a

> window with !P.MULTI, you would write code something

> like this:

>

> ,*****

> image = Dist(200)

> !P.Multi=[0,2,2]

> p = [0.02, 0.3, 0.98, 0.98]

> LoadCT, 0

> TVImage, image, Position=p

> Colorbar, Position=[p[0], p[1]-0.1, p[2], p[1]-0.05]

> p = [0.02, 0.3, 0.98, 0.98]

> LoadCT, 5

> TVImage, image, Position=p

> Colorbar, Position=[p[0], p[1]-0.1, p[2], p[1]-0.05]

```

> p = [0.02, 0.3, 0.98, 0.98]
> LoadCT, 2
> TVImage, image, Position=p
> Colorbar, Position=[p[0], p[1]-0.1, p[2], p[1]-0.05]
> p = [0.02, 0.3, 0.98, 0.98]
> LoadCT, 3
> TVImage, image, Position=p
> Colorbar, Position=[p[0], p[1]-0.1, p[2], p[1]-0.05]
> !P.Multi = 0
> ,*****
>
> You can find the updated programs here:
>
> http://www.dfanning.com/programs/tvimage.pro
> http://www.dfanning.com/programs/tvscale.pro
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:http://www.dfanning.com/
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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Great! Haven't tried it yet, was busy and on travel with the Dawn Launch, that's why I didn't give feedback, but I'm sure you did the right thing. ;)

As always, many thanks and I will try it the next days.

Michael