
Subject: Re: tvimage with log axis?

Posted by [R.G. Stockwell](#) on Thu, 12 Mar 2009 05:11:49 GMT

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"David Fanning" <news@dfanning.com> wrote in message
news:MPG.2422456de6f483898a658@news.giganews.com...

> R.G. Stockwell writes:

>

>> anyone have a good image display function that can handle

>> log axis?

>>

>> I have a huge image to display, so other routines just don't work

>> (contour takes several thousand years to plot for instance), so it

>> has to be an image. But I need to plot the y-axis as a log function.

>>

>> Of course, I could roll my own - probably transform the image

>> before calling a display routine, but i was hoping for a /ylog keyword

>> in a function.

>

> Didn't Ben figure this out some time ago?

thanks, googled and found a thread that looks like it discusses it.

BTW, I had websearched and found an ancient tvimage, with a stretch keyword
for log plots, but that just turned out to be scaling the image (not the
axis).

I did figure out how to resample the y axis in the interpolation() call

```
newsry =
```

```
max(sry)-reverse(alog10(findgen(max(sry))+1)/alog10(max(sry) )*max(sry))
```

```
RETURN, INTERPOLATE(arr, srx, newsry, /GRID, CUBIC=cub)
```

which gives me the scaling i want in the y direction,
but I didn't have it lined up to the plot routine axis correctly.

Thanks for the tip.

Cheers,
bob
