Subject: Re: 24-bit color contour
Posted by David Fanning on Sat, 10 Nov 2001 15:38:59 GMT
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tom (tom2959@21cn.com) writes:

> Sometimes, the contour plot was displayed by adding on a TV or TVscl plot.
> For example,
>   data=fltarr(n,n)
>   tv,data,/true
>   contour,data
> may be wrong. How to to display the data in a 24 bit color?

Well, your example is certainly wrong, because
a 24-bit image is a 3D array, not a 2D. But there
is no problem at all putting a 24-bit image underneath
a contour plot. The question really is this: what are
you going to contour? Not the 24-bit image, since that
is made up of color triples and doesn't represent
(almost certainly) a physical quantity.

If you had a 24-bit image that you will to place
under a contour plot, and a 2D array of some
physical quantity you wish to contour, then you
can do this:

```
   plotPosition =[0.15, 0.15, 0.9, 0.9]
   TVImage, image24, Position=plotPosition
   Contour, data, /NoErase, XStyle=1, YStyle=1, $
     Position=plotPosition
```

That will work on the display and in PostScript.
(In fact, the same commands will work with a 2D
image as well.) The TVImage program can be found
on my web page:

   http://www.dfanning.com/programs/tvimage.pro

Cheers,

David
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