Subject: Re: Display two images on one position : or even three!
Posted by Emmler, Oliver on Thu, 03 Jan 2002 08:50:18 GMT
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Hi Martin,

That's absolutely, exactly what i was searching for. I want to display a
fMRT with contrast (amplified by slope) over a more detailed anatomical
slice of the same region. I knew there will be a function in IDL to do this
but never heard about the GX functions. Here's the code i use now. It's just
like Christmas !!!

```
DEVICE, SET_GRAPHICS = 3
LoadCT, ct
TV, amplified_image * (amplified_image GE x)
LoadCT, 0
DEVICE, SET_GRAPHICS = 7
TV, reference_image * (amplified_image LT x)
```

Thanx to You, Craig and David.

> I've been following this thread trying to work out exactly what you want
to
> do with your images :)
> Coming from a background of 8bit graphics, I have often opt for creating a
> color table of greyscale with a few bright colors for overlay at one end
of
> the colortable. However, I dont think that is what you want as it looks
like
> you are wanting to use more than one color table for different bits of the
> image. Ok so heres how: take advantage of Graphics functions and use GXor
>
> The following shows a distace image displayed with the top values using
the
> hot body scale, middle using grey-scale and lower using black-white color
> scale, this should give you the idea.
> The key point is to OR each region using a image mask so that no area is
> updated twice
>
> ; start with GXcopy
> IDL> device, set_graphics = 3
> IDL> loadct, 3
> % LOADCT: Loading table RED TEMPERATURE
> IDL> tv, im * ((im gt 130))
> IDL> loadct, 0
> % LOADCT: Loading table B-W LINEAR
> ; now switch to GXor

> IDL> device, set_graphics = 7
> IDL> tv, im * ((im le 130) and (im gt 100))
> IDL> loadct, 1
> % LOADCT: Loading table BLUE/WHITE
> IDL> tv, im * (im lt 100)
> hope this is useful - if not its quite pretty anyhoo!