Subject: Re: writing color images - revisited
Posted by pit on Mon, 03 Feb 1997 08:00:00 GMT
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In article <5cr0ts$cv@news.hawaii.edu>,
 gennari@universe.Hawaii.edu (Scott Gennari) writes:
> Hi all,
>
> I'm trying to combine 3 grayscale satellite images to create
> a false color composite using the following code
>
> read_gif,'ir2.gif',ir2,r,g,b
> read_gif,'ir4.gif',ir4,r,g,b
> read_gif,'ir5.gif',ir5,r,g,b
> window,0,xsize=570,ysize=460
> tv,ir2
> red = tvrd(0,0,570,460,channel=1)
> tv,ir4
> green = tvrd(0,0,570,460,channel=2)
> tv,ir5
> blue = tvrd(0,0,570,460,channel=3)

You might skip those tvrd() calls: Use
  red=r(ir2)
or - if you want to reduce the image to the number of colors
in the actual map -
  red=bytscl(r(ir2), top=!d.n_colors)

> ;b=tvrd()
> tv,red,channel=3
> tv,green,channel=2
> tv,blue,channel=1
> test = tvrd()
> write_gif,'spam.gif',test,r,g,b

> This will display the colorized GIF to the screen but when I write
> it to a gif file it comes out grayscale.
>
> What am i missing here?

Not shure, but maybe to use the correct r,g,b values?
You seem to use a true-color display (otherwise channel won't work).
So you have a true-colored image which you have to convert to
indexed-color. This is done by the color_quan routine:

pic=color_quan(red,green,blue,r,g,b)
write_gif,'spam.gif',pic,r,g,b

Or - as already pointed out by J. Gurman - use the true-color
JPEG-format.

> Thanks,
> Scott

De Nada,

Peter

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