
Subject: Re: Animating in Color
Posted by [davidf](#) on Thu, 06 Jul 2000 07:00:00 GMT
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Rachel (RachelP@goplay.com) writes:

> Is there an easy way to animate a series of color images in IDL other than a
> simple for loop from the command line? I was trying to use XINTERANIMATE
> but could only make it do black and white. The images are plotted on the
> screen then read into an array with tvrd(true=3). I can get them to
> redisplay in color, but not as an animation in Xinteranimate. Thanks for any
> advice.

You are correct that you can't get color images if you try to load the images into XINTERANIMATE with the IMAGE keyword. But XINTERANIMATE can be used to animate RGB image data.

Suppose, for example, imageArray is a (400,300,3,15) image array containing 15 row-interleaved RGB images. To use XINTERANIMATE with such an array, the code will look something like this (on a 24-bit display, obviously):

```
Device, Decomposed=1
XInterAnimate, Set=[400,300,15], /Showload
FOR j=0,14 DO BEGIN
    TV, imageArray[*,*,j], True=3
    XInterAnimate, Window=!D.Window, Frame=j
ENDFOR
XInterAnimate, 50
```

Cheers,

David

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David Fanning, Ph.D.
Fanning Software Consulting
Phone: 970-221-0438 E-Mail: davidf@dfanning.com
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: Animating in Color
Posted by [Liam E. Gumley](#) on Fri, 07 Jul 2000 07:00:00 GMT
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Rachel wrote:

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> simple for loop from the command line? I was trying to use XINTERANIMATE
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> redisplay in color, but not as an animation in Xinteranimate. Thanks for any
> advice.

You may wish to try my frame tools, which are available at
<http://cimss.ssec.wisc.edu/~gumley/frame.html>

For example:

```
device, decomposed=0, retain=2
fset
loadct, 0
tvscf, dist(32)
af
loadct, 3
tvscf, dist(64)
af
loadct, 13
tvscf, dist(128)
af
loadct, 39
tvscf, dist(256)
lf, delay=1.0
```

Cheers,
Liam.
<http://cimss.ssec.wisc.edu/~gumley>
