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Subject: Re: Xinteranimate problem!!

Posted by [dsreyn](#) on Fri, 10 Dec 1999 08:00:00 GMT

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In article <3850F419.8382746A@leeds.ac.uk>,

mensar@leeds.ac.uk (Scott Reid) writes:

> I would like to thank everyone in the group for the help they have given  
> me so far, particularly Liam Gumley. My latest problem is with  
> XINTERANIMATE. The program runs, but I seem to be getting an error which  
> says that 'only one animation at a time is allowed'. In the window I get  
> the error :  
>  
> % Program caused arithmetic error: Floating divide by 0  
>  
> I believe the xinteranimate is loading the sequence 22 times. The  
> program is :-  
>  
> pro OnOpen  
>  
> ; Get the Filename  
> openr, 1, 'E:/Temp/batch.rvd'  
> datas=fltarr(3,36,49,22)  
> readf, 1, datas  
> close, 1  
> h=rebin(reform(datas[2,:,:,:]), 72, 98, 22)  
> loadct, 3  
> ; erase  
> frames = fltarr(512, 512, 22)  
> window, 1, TITLE='Bloodflow animation', xsize=512, ysize=512  
> XINTERANIMATE, set=[512,512,22]  
> for i=0, 21 do begin shade\_surf, h[:,\*,i], zrange=[-1,+1] &  
> frames[:,\*,i]=tvrd() & xinteranimate & end  
>  
> end

You need to specify two keywords to xinteranimate in the FOR loop that loads the images into the animation - FRAMES and WINDOW. Here's a simple working example that displays a running 40 point window of a 500 point data set:

```
pro anim_test
  npts = 500
  nshow = 40
  nframes = npts - nshow + 1

  pdat = sin (indgen(npts) / 5.)
  window, 1, xsize = 500, ysize = 200
  xinteranimate, set = [500, 200, nframes]
```

```
for i = 0, npts - nshow do begin
    plot, pdat(i:i+nshow-1), title = strtrim (i,2) + ":" + strtrim (i+nshow-1,2)
    xinteranimate, frame = i, window = 1
endfor

xinteranimate
end
```

Doug

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Subject: Re: Xinteranimate problem!!  
Posted by [davidf](#) on Fri, 10 Dec 1999 08:00:00 GMT  
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Scott Reid ([mensar@leeds.ac.uk](mailto:mensar@leeds.ac.uk)) writes:

```
> I would like to thank everyone in the group for the help they have given
> me so far, particularly Liam Gumley. My latest problem is with
> XINTERIMATE. The program runs, but I seem to be getting an error which
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> XINTERIMATE, set=[512,512,22]
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> frames[*,*,i]=tvrd() & xinteranimate & end
>
> end
```

Well, your XINTERIMATE loop is just a bit wrong. I'd

do it like this:

```
; Get the Filename  
openr, 1, 'E:/Temp/batch.rvd'  
datas=fltarr(3,36,49,22)  
readf, 1, datas  
close, 1  
h=rebin(reform(datas[2,:,:,:]), 72, 98, 22)  
loadct, 3  
XINTERANIMATE, Set=[512, 512, 22], /Showload  
FOR j=0,21 DO BEGIN  
Shade_Surf, h[*,*,j], ZRange=[-1, 1]  
    XINTERANIMATE, Frame=j, Window=!D.Window  
ENDFOR  
XINTERANIMATE  
END
```

- > One other small thing that I have also experienced is that the loadct
- > command does not seem to load any colour map to my shaded surface. It
- > simply appears black and white.

I'd add a DEVICE, DECOMPOSED=0 to the top of the file. :-)

Cheers,

David

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