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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