
Subject: Re: Animation

Posted by [Armand J. L. Jongen](#) on Wed, 20 Aug 1997 07:00:00 GMT

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Neil Winrow wrote:

>
> Can anyone give me any advice?
> I am trying to Animate a set of surface plots. Each surface plot
> represents the output from a data file. The set of plots represent flux
> at different photon energy, and my boss would like a small animation as
> the photon energies increase. I can read each of the data files into the
> program to display individually, but how can I animate the sequence,
> using the XINTERANIMATE etc. Any advice would be greatly appreciated.
>
> Many Thanks
>
> Neil

I tried something similar a few days ago. You should make use of the WINDOW keyword in XinterAnimate. This copies the entire contents of an existing window to a frame for the animation. Here a short example where I assume the ImageSeq is a 3D matrix containing the sequential data.

Pro Animate

Z=100 ;Number of images

Window, /Free, xs=300, ys=300 ;Create a window to hold the image in.

;You could set the /Pixmap here to not even

;show the window.

WinID = !D.Window ;Get the ID of this Window

Xinteranimate, Set=[300,300,Z] ;Setup Xinteranimate. The 300 here
should ;correspond with the x and y size of WinID

For I=0, Z-1, 1 do Begin ;Start the loop

Wset, WinID ;Make WinID active. Not really necessary in ;this
example.

; Create a shaded surfaceplot which will be displayed in the active
Window.

; You can of course put here any plot or image that can be displayed in a
Win.

shade_surf, ImageSeq(*,*,i), shades=ImageSeq(*,*,i),\$

AZ=300, xstyle=4, ys=4, zs=4, Zrange=[0,250]

;Load the complete contents of the window in Xinteranimate.

Xinteranimate, Frame=i, Window=WinID

endfor ; End of the loading loop

Xinteranimate, /Keep_Pixmaps ;Show the animation and keep the images
for ;further use.

END ; of Animate

Hope this gets you on the way. It made my boss enthousiastic to see the
animation so I hope it will make yours also jump. Be sure to use fancy
colors!:-)

Greetings, Armand.

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