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Subject: Re: Black screen movie

Posted by [David Fanning](#) on Fri, 09 Mar 2012 14:25:56 GMT

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Sofie Fehlmann writes:

```
> I'm a very beginner and would like to create a movie with IDL. I tried
> therefore the following:
>
> for i=0,n-1 do begin
>   filename='DATA_000'+strtrim(i,2)+''.tab'
>
>   readdata,filename
>
>   iimage = tvrd(true=3)
>   xinteranimate,image=iimage,frame=i
> endfor
>
> Readdata is a program which creates (after some calculations) a
> contour plot. However, when xinteranimate starts, the contour plot
> appears correctly but not in the xinteranimate frame. Therefore, I get
> a black screen movie. So, I think something is completely wrong...
> The same problem happens if I use the 'addvideostream' command. The
> contour plot seems to appear in a different window.
> How can I "put" the contour plot which I call with Readdata into a
> movie frame?
```

But, you are taking a snapshot of the ReadData window and putting that into the animation. Is that what you say is not working? Are you sure you are taking the snapshot of the right window? Is there anything except black pixels in your image? How does ReadData deal with windows?

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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Subject: Re: Black screen movie

On Mar 9, 3:25 pm, David Fanning <n...@idlcoyote.com> wrote:

> Sofie Fehlmann writes:

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>> contour plot seems to appear in a different window.

>> How can I "put" the contour plot which I call with Readdata into a

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> But, you are taking a snapshot of the ReadData window and

> putting that into the animation. Is that what you say is

> not working? Are you sure you are taking the snapshot of the

> right window? Is there anything except black pixels in your

> image? How does ReadData deal with windows?

>

> Cheers,

>

> David

>

> --

> David Fanning, Ph.D.

> Fanning Software Consulting, Inc.

> Coyote's Guide to IDL Programming:<http://www.idlcoyote.com/>

> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Yes, I would like to take a snapshot of the Contour plot and put it into a movie. However, it is not working, there is just a black screen. This is the main part of my 'Readdata':

```
c1=contour(data,x,y,rgb_table=33,/fill,c_value=userlevels,$
Position=[0.1, 0.15, 0.9, 0.90],c_color=indgen(levels),$
title=['Density at t ='+string(time)],./overplot)
```

Except of the overplot command, there is no specification how to handle the window.

If I use the following command, I can see the title of my plot in a movie, but no contour plot:

```
loadct, 1
set_plot,'z',/copy
device, set_resolution=framedims, set_pixel_depth=24, decomposed=0

for i=0,nframes-1 do begin
  filename = 'DATA_000' +strtrim(i,2)+' .tab'
  readdata,filename

  xyouts, 0.5, 0.9, 'IDL TITLE', align=0.5, charsize=2, /normal
  timestamp = video.put(stream, tvrd(true=1))
endfor
```

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Subject: Re: Black screen movie

Posted by [David Fanning](#) on Fri, 09 Mar 2012 15:49:35 GMT

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Sofie Fehlmann writes:

```
> Yes, I would like to take a snapshot of the Contour plot and put it
> into a movie. However, it is not working, there is just a black
> screen. This is the main part of my 'Readdata':
>
> c1=contour(data,x,y,rgb_table=33,/fill,c_value=userlevels,$
> Position=[0.1, 0.15, 0.9, 0.90],c_color=indgen(levels),$
> title=['Density at t ='+string(time)],,/overplot)
>
> Except of the overplot command, there is no specification how to
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> loadct, 1
> set_plot,'z',/copy
> device, set_resolution=framedims, set_pixel_depth=24, decomposed=0
>
> for i=0,nframes-1 do begin
>   filename = 'DATA_000' +strtrim(i,2)+' .tab'
>   readdata,filename
>
>   xyouts, 0.5, 0.9, 'IDL TITLE', align=0.5, charsize=2, /normal
>   timestamp = video.put(stream, tvrd(true=1))
```

> endfor

Well, I don't know. This is how I would do an animation of a contour plot:

```
cgLoadCT, 33
XInterAnimate, Set=[640, 512, 12], /Showload
FOR j=0,11 DO BEGIN
    cgContour, cgDemodata(18), /Fill, Background='white', /Outline
    XInterAnimate, Frame=j, Window=!D.Window
ENDFOR
XInterAnimate, 20
END
```

Cheers,

David

--

David Fanning, Ph.D.  
Fanning Software Consulting, Inc.  
Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>  
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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Subject: Re: Black screen movie  
Posted by [Sofie Fehlmann](#) on Mon, 12 Mar 2012 10:39:45 GMT  
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Thanks a lot for your advice, the simulation is now correctly running!

I think the problem was the use of 'Contour' instead of 'cgContour'. I don't know why, but there seems to be a problem if I use the 'Contour' command.

Anyway, I'm now happy with my result.

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