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Subject: Re: strange behaviour with z-buffer

Posted by [DAMIANO ZILIO](#) on Mon, 08 Jun 1998 07:00:00 GMT

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Dear ALL

David Fanning wrote:

> Damiano Zilio (damiano.zilio@jrc.it) writes:

>

>> I produce gif files with these 2 different ways:

>>

>> 1)

>> set\_plot,'x'

>> window,0,reatin=2,xsize=700,ysize=500

>> plot.....

>> img=tv()

>> write\_gif,'filename',img

>>

>> 2)

>> set\_plot,'z'

>> device,set\_resolution=[700,500]

>> plot

>> img=tv()

>> write\_gif,'filename',img

>>

>> But the gif files obtained are different!!!

>> The relative position of the colorbar, using the z-buffer are wrong!,

>> there are some

>> strange overplottings!!

>> Can I avoid this problem?

>

> You must configure the Z-graphics buffer to be exactly like

> your window. This means you need to make the resolution

> and number of colors the same. (The Z-buffer has 256 colors

> by default, which can be a very nice feature when making

> GIF files. In fact, is one reason why I almost always use

> the Z-buffer to make GIF files.) To make the Z-buffer

> exactly like your current graphics window, try this:

>

> ncolors = !D.N\_Colors - 1

> Set\_Plot, 'Z'

> Device, Set\_Resolution=[!D.X\_Size, !D.Y\_Size], \$

> Set\_Colors=ncolors

>

> Cheers,

>

> David

am I crazy or... the plots produced on the monitor by this stupid program  
are different????

Why????

```
>>>> >>>>>>>>>>>>>>>>
```

```
pro test1
loadct,16
set_plot,'x'
plot,findgen(5),/nodata,position=[0,0,1,1]
img=tvrd()
write_gif,'x.gif',img
set_plot,'z'
ncolors=!D.N_Colors-1
device,set_Resolution=[!D.X_Size,!D.Y_Size],set_colors=ncolors
plot,findgen(5),/nodata,position=[0,0,1,1]
img=tvrd()
write_gif,'z.gif',img
device,/close
set_plot,'x'
read_gif,'x.gif',imgx
read_gif,'z.gif',imgz
window,1,retain=2,title='xgif'
tv,imgx
window,2,retain=2,title='zgif'
tv,imgz
end
>>>> >>>>>>>>>>>>>>>>.
```

On my monitor the position of the axis in the tv of the image  
plotted in the z-buffer is different from the same axes plotter in the x

device

WHY?

WHY?

WHY?

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