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Subject: problems with Z-Graphics-Buffer (?)

Posted by [Harald von der Osten](#) on Thu, 10 Jun 1999 07:00:00 GMT

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Hallo,

to store an image on the disc, I wrote:

```
set_plot, !Z & device, set_resolution=[2400,1800]
vdo = tvrd()
set_plot, !X & window, 2, xsize = 2400, ysize = 1800 & tv, vdo
.....
d=tvrd(0,0,!d.x_vsize, !d.y_vsize, true=1)
tiff_write,!topo.tif, reverse(d,3),1
wdelete, 2
```

The picture is - and should be - a black-white one, but the background in the TIFF-file is coloured (on the screen: white because of (tv!ct, 255,255,255, !p.background)). Why??

And: The resolution of the text (axis, title) is a very poor one. I thought if I set the resolution to [2400,1800] the picture and the text would be of excellent shape. The picture is, not the text. Why?? How could I manage this?

Thank you very much for any hint

Harald

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Subject: Re: problems with Z-Graphics-Buffer (?)

Posted by [Harald von der Osten](#) on Fri, 11 Jun 1999 07:00:00 GMT

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"R.Bauer" wrote:

```
> I am missing something like:
>
> tv!ct,red,green,blue,/get
> write_tif,file,image,red=red,blue=blue,green=green
>
> Hope this helps a bit.
>
> R.Bauer
```

Thank you for your answer. Unfortunately ... this doesn't change anything :-((

But this is not so important as the bad or worse resolution of the fonts. They are looking as if an 90 years old man has written the numbers and letters with his trembling hand...

Harald vdO

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Subject: Re: problems with Z-Graphics-Buffer (?)  
Posted by [R.Bauer](#) on Fri, 11 Jun 1999 07:00:00 GMT  
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Harald von der Osten-Woldenburg wrote:

```
> Hallo,  
>  
> to store an image on the disc, I wrote:  
>  
> set_plot, !Zi & device, set_resolution=[2400,1800]  
> vdo = tvrd()  
> set_plot, !Xi & window, 2, xsize = 2400, ysize = 1800 & tv, vdo  
> .....  
> d=tvrd(0,0,!d.x_vsize, !d.y_vsize, true=1)  
> tiff_write, !topo.tiff, reverse(d,3),1  
> wdelete, 2  
>  
> The picture is - and should be - a black-white one, but the background  
> in the TIFF-file is coloured (on the screen: white because of (tvlct,  
> 255,255,255, !p.background)). Why??  
>  
> And: The resolution of the text (axis, title) is a very poor one. I  
> thought if I set the resolution to [2400,1800] the picture and the text  
> would be of excellent shape. The picture is, not the text. Why?? How  
> could I manage this?  
>  
> Thank you very much for any hint  
>  
> Harald
```

I am missing something like:

```
tvlct,red,green,blue,/get  
write_tif,file,image,red=red,blue=blue,green=green
```

Hope this helps a bit.

R.Bauer

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Subject: Re: problems with Z-Graphics-Buffer (?)  
Posted by [Liam Gumley](#) on Mon, 14 Jun 1999 07:00:00 GMT  
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Harald von der Osten-Woldenburg wrote:

- > But this is not so important as the bad or worse resolution of the fonts.
- > They are looking as if an 90 years old man has written the numbers and
- > letters with his trembling hand...

Check out the link 'Making Viewgraphs' at

[http://fermi.jhuapl.edu/s1r/idl/s1r/lib/local\\_idl.html](http://fermi.jhuapl.edu/s1r/idl/s1r/lib/local_idl.html)

Cheers,  
Liam.

--

Liam E. Gumley  
Space Science and Engineering Center, UW-Madison  
<http://cimss.ssec.wisc.edu/~gumley>

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Subject: Re: problems with Z-Graphics-Buffer (?)  
Posted by [Martin Schultz](#) on Mon, 14 Jun 1999 07:00:00 GMT  
[View Forum Message](#) <> [Reply to Message](#)

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Harald von der Osten-Woldenburg wrote:

- >
- > "R.Bauer" wrote:
- >
- >> I am missing something like:
- >>
- >> tvlct,red,green,blue,/get
- >> write\_tif,file,image,red=red,blue=blue,green=green
- >>
- >> Hope this helps a bit.
- >>
- >> R.Bauer
- >
- > Thank you for your answer. Unfortunately ... this doesn't change anything
- > :-(
- >
- > But this is not so important as the bad or worse resolution of the fonts.

> They are looking as if an 90 years old man has written the numbers and  
> letters with his trembling hand...  
>  
> Harald vdO

that's why I usually save the IDL output as postscript file and then  
take a screen-snapshot (e.g. with xv) to create a tiff, gif or whatever  
file.

Martin.

--

|||||||\\-----// |||||  
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Cambridge, MA 02138 phone (617) 496 8318 fax (617) 495 4551  
e-mail mgs@io.harvard.edu web <http://www-as/people/staff/mgs/>

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Subject: Re: problems with Z-Graphics-Buffer (?)  
Posted by [Harald von der Osten](#) on Tue, 15 Jun 1999 07:00:00 GMT  
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Martin Schultz wrote:

>> But this is not so important as the bad or worse resolution of the fonts.  
>> They are looking as if an 90 years old man has written the numbers and  
>> letters with his trembling hand...  
>>  
>> Harald vdO  
>  
> that's why I usually save the IDL output as postscript file and then  
> take a screen-snapshot (e.g. with xv) to create a tiff, gif or whatever  
> file.  
>  
> Martin.  
>

yes, but ... if you are presenting your data in 3D and it seems that PS-fonts can  
not be rotated, you have no chance...

Harald

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