
Subject: Re: SHADE_SURF and hiding axes
Posted by [James Tappin](#) on Thu, 27 Mar 1997 08:00:00 GMT
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R Balthazor wrote:

>
> I would be very grateful if anyone can help with the following problem.
>
> I have a surface that I wish to represent with SHADE_SURF, and then
> surround with a 'box' of axes with various annotations, using
> AXIS,XAX=0,... AXIS,XAX=1,...etc.
>
> However, the rearmost axes in the projection are drawn over the figure
> and are visible through the shaded surface, which is confusing. If I
> draw the AXIS first and then use SHADE_SURF,/NOERASE, much of the axis
> is still erased.
>
> Is there any way to hide the rearmost axes when they are not visible
> through a 'valley'?
>
> Thanks in advance,
>
> R. Balthazor.

You can do it by using the Z-buffer e.g.:

```
SET_PLOT, 'Z'  
DEVICE, set_resolution=[640,512] ; Or whatever
```

<your plotting commands i.e. the shade_surf and AXIS calls -- the order
doesn't matter>

```
image=tvrd()  
SET_PLOT, 'X'
```

```
tv,image
```

```
--
```

```
+-----+-----+-----+  
| James Tappin,      | School of Physics & Space Research | O__  |  
| sjt@star.sr.bham.ac.uk | University of Birmingham    | -- V^ |  
| Ph: 0121-414-6462. Fax: 0121-414-3722    | |  
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```
