Subject: Re: true type font orientation Posted by davidf on Sun, 21 Nov 1999 08:00:00 GMT

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R.Bauer (R.Bauer@fz-juelich.de) writes:

- > please give me a small example how to use hardware fonts with surface or
- > shaded surface.

>

> Always I am trying they are always not rotated enough.

First of all, "rotated hardware fonts" is an oxymoron. It's not going to happen. (Unless your "hardware" happens to be PostScript, then you might have a chance.)

What you can get are true-type fonts, which will *look* like hardware fonts and can be rotated. For example, like this:

IDL> Shade_Surf, dist(20), ZTitle='Meters', YTitle='Latitude', \$
 XTitle='Longitude', Font=1, Charsize=3

Sometimes the true-type fonts don't look as nice as you would hope on the display, although they do look beautiful in hardcopy output.

If display aesthetics are important, you can try a trick like drawing your graphic in the Z-graphics buffer at 4-5 times the resolution, then rebining it for the display. (I include an example of this below.) Unfortunately, this trick is a little bit too color dependent for my taste. I haven't had the time to investigate exactly why that is, but if you can get away with black or white output, it does a nice iob.

Cheers,

David

--

PRO NiceAxisLabels

LoadCT, 0 data = Dist(41) Device, Decomposed=0

```
TVLCT, [255, 0, 80], [255, 355, 80], [0, 0, 80], 1
Device, Set_Font='Helvetica*14*Bold', /TT_Font
Window, 1, XSize=400, YSize=400, Title='Normal Window', $
XPos=0, YPos=10
Surface, data, XTitle='X Axis', YTitle='Y Axis', $
 ZTitle='Z Axis', Font=1, Charsize=3, Color=255, $
Background=3, Position=[0.2, 0.1, 0.9, 0.9, 0.1, 0.9]
thisDevice = !D.Name
Set Plot, 'Z'
!P.Charsize = 1.0
Device, Set_Resolution=[1600,1600]
!X.Thick = 4
!Y.Thick = 4
!Z.Thick = 4
Surface, data, XTitle='X Axis', YTitle='Y Axis', Thick=4, $
 ZTitle='Z Axis', Font=1, Charsize=12, Color=255,
 Background=3, Position=[0.2, 0.1, 0.9, 0.9, 0.1, 0.9]
!X.Thick = 1
!Y.Thick = 1
!Z.Thick = 1
snap = TVRD()
Set Plot, thisDevice
Window, 0, Title='Enhanced Window', XSize=400, $
 YSize=400, XPos=410, YPos=10
TV, Rebin(snap, 400, 400)
END
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```

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