
Subject: Re: noclip=0 with postscript fonts
Posted by [davidf](#) on Fri, 23 Feb 2001 21:47:10 GMT
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Med Bennett (mbennett@indra.com) writes:

> I am making some plots with data points labelled with value and station
> name. Some of them fall outside of the plotting window, and I would
> like to suppress these. They still plot, even with noclip=0 in the call
> to XYOUTS. After studying the online help page, I notice that it states
> that "this keyword controls the clipping of vectors and vector-drawn
> text." In other words, it doesn't work with software fonts (i.e.,
> font=0). Is there any way to achieve clipping with software fonts,
> other than looping through the coordinates and checking them against the
> plot limits (Yuck!) ?

I don't think it really matters *what* kind of fonts
you use. I don't think there is any other way
than to check the coordinates before you plot them. :-(

Cheers,

David

--

David Fanning, Ph.D.
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Subject: Re: noclip=0 with postscript fonts
Posted by [Med Bennett](#) on Fri, 23 Feb 2001 23:13:06 GMT
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David Fanning wrote:

> Med Bennett (mbennett@indra.com) writes:
>
>> I am making some plots with data points labelled with value and station
>> name. Some of them fall outside of the plotting window, and I would
>> like to suppress these. They still plot, even with noclip=0 in the call
>> to XYOUTS. After studying the online help page, I notice that it states
>> that "this keyword controls the clipping of vectors and vector-drawn
>> text." In other words, it doesn't work with software fonts (i.e.,
>> font=0). Is there any way to achieve clipping with software fonts,
>> other than looping through the coordinates and checking them against the
>> plot limits (Yuck!) ?

>
> I don't think it really matters *what* kind of fonts
> you use. I don't think there is any other way
> than to check the coordinates before you plot them. :-(
>

Nope - I just changed my program to use the vector drawn fonts, and setting noclip=0 in the call to XYOUTS behaves as expected - labels that would fall outside the plotting window are not plotted. It's only when I include font=0 in the call that the noclip=0 keyword has no effect, i.e. labels outside the plotting window are plotted anyway.

Subject: Re: noclip=0 with postscript fonts
Posted by [davidf](#) on Fri, 23 Feb 2001 23:19:37 GMT
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Med Bennett (mbennett@indra.com) writes:

> Nope - I just changed my program to use the vector drawn fonts, and setting
> noclip=0 in the call to XYOUTS behaves as expected - labels that would fall
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> in the call that the noclip=0 keyword has no effect, i.e. labels outside the
> plotting window are plotted anyway.

Really!? What happens if you use true-type fonts? (Font=1)

Cheers,

David

P.S. Let's just say my write arm is too tired to
type the commands. :-(

--

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Subject: Re: noclip=0 with postscript fonts
Posted by [Med Bennett](#) on Fri, 23 Feb 2001 23:30:00 GMT
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David Fanning wrote:

> Med Bennett (mbennett@indra.com) writes:
>
>> Nope - I just changed my program to use the vector drawn fonts, and setting
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>> plotting window are plotted anyway.
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> Really!? What happens if you use true-type fonts? (Font=1)
>
> Cheers,
>
> David
>
> P.S. Let's just say my write arm is too tired to
> type the commands. :-(

Same as when I use font=0. What's the difference anyway? I never understood this keyword completely.

Subject: Re: noclip=0 with postscript fonts
Posted by [davidf](#) on Fri, 23 Feb 2001 23:49:01 GMT
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Med Bennett (mbennett@indra.com) writes:

> Same as when I use font=0. What's the difference anyway? I never understood this
> keyword completely.

FONT=1 selects true-type fonts. These are polygon filled fonts, that act very much like vector fonts. That is, they can be rotated in 3D space, etc., since each polygon is a 3D list of points.

IDL comes with four true-type font families: times, helvetica, courier, and symbol. You can use others if you have them. For example, to use the Times font I would do this:

```
Device, Set_Font='Times*16', /TT_Font  
Plot, Findgen(11), Font=1, Title='This title is in TIMES typeface.'
```

True-type fonts don't look so great in direct graphics on the display (although they always look fabulous in hardcopy). If you want neat JPEG text, you sometimes have to do the trick of drawing into a window that is 4-5 times larger than you really want, with THICK=5, SIZE=5, etc, and then take a snapshot of the larger window and rebin it to the

size you really want. This make text look great, usually,
although it can be a fair amount of work.

Hardware fonts may or may not be true-type fonts, depending
upon your printer, what kinds of fonts you have installed on
your printer, etc. There are many variations, although I think
most fonts on *most* printers these days are probably true-type
fonts. They are slower to render, but they scale nicely.

Cheers,

David

--

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