Subject: Re: Use the device fonts for Ytitle on screen
Posted by David Fanning on Wed, 11 Nov 2009 21:50:47 GMT

jdu writes:

> I meet a problem about using the device ('Windows') fonts for Ytitle
> on screen.
> For example,
>
>   !P.FONT = 0
>   DEVICE, SET_FONT='Microsoft Yahei'
>   PLOT, INDGEN(11), Xtitle='X Title', Ytitle='Y Title'
>
> But in the figure, the Ytitle look like as follows:
> Y
> T
> i
> l
> e
>
> For Hershey and TrueType fonts, there is no problem like this.
> But these fonts look awful on screen.
>
> How can I choose a beautiful font for the output on screen?

You will have to use Matlab or R to draw your plots if you want
beautiful. IDL direct graphics doesn't do beautiful. Maybe you
want to try an object graphics plot (e.g, xplot in my library,
for example). Those fonts are mostly beautiful. :-)

Cheers,

David

Subject: Re: Use the device fonts for Ytitle on screen
Posted by penteado on Wed, 11 Nov 2009 22:04:32 GMT

On Nov 11, 7:50 pm, David Fanning <da...@dfanning.com> wrote:
> You will have to use Matlab or R to draw your plots if you want
> beautiful. IDL direct graphics doesn't do beautiful. Maybe you
> want to try an object graphics plot (e.g, xplot in my library,
> for example). Those fonts are mostly beautiful. :-)
>

Or try iplot.

Subject: Re: Use the device fonts for Ytitle on screen
Posted by David Fanning on Wed, 11 Nov 2009 22:13:49 GMT

pp writes:

> On Nov 11, 7:50 pm, David Fanning <da...@dfanning.com> wrote:
>
>> You will have to use Matlab or R to draw your plots if you want
>> beautiful. IDL direct graphics doesn't do beautiful. Maybe you
>> want to try an object graphics plot (e.g, xplot in my library,
>> for example). Those fonts are mostly beautiful. :-)
>
> Or try iplot.

Or, if it's kludgy solutions you are after, draw the plot
in PostScript, convert it to PNG with ImageMagick, and display
that in an un-resizable IDL graphics window. The Y axis will
look great! ;-)

Cheers,

David

Subject: Re: Use the device fonts for Ytitle on screen
Posted by David Fanning on Wed, 11 Nov 2009 22:28:24 GMT

I wrote just a couple of minutes ago:

> Or, if it's kludgy solutions you are after, draw the plot
> in PostScript, convert it to PNG with ImageMagick, and display
> *that* in an un-resizable IDL graphics window. The Y axis will
> look great! ;-)

Here is my version of KludgePlot. It works great! Fabulous
graphics fonts!! :-)

```
PRO KludgePlot, x, y, _EXTRA=extra

  CASE N_Params() OF
     0: BEGIN
        dep = Indgen(11)
        indep = Indgen(N_Elements(dep))
        xtitle='Time Dimension'
        ytitle='Signal Strength'
```

```
            END
        1: BEGIN
          dep = x
          indep = Indgen(N_Elements(x))
          END
        2: BEGIN
          dep = y
          indep = x
          END
    ENDCASE

    PS_START, FILENAME='myplot.ps'
    Plot, indep, dep, XTITLE=xtitle, YTITLE=ytitle,
_STRICT_EXTRA=extra
    PS_END, /PNG

    image = Read_Png('myplot.png')
    dims = Size(image, /DIMENSIONS)
    Window, /Free, XSIZE=dims[1], YSIZE=dims[2]
    TVImage, image
    File_Delete, 'myplot.png'
    File_Delete, 'myplot.ps'
END
```

Subject: Re: Use the device fonts for Ytitle on screen
Posted by duxiyu@gmail.com on Wed, 11 Nov 2009 22:57:33 GMT
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Ytitle is not only for PLOT, but also for some other procedures.
Therefore, as you metioned, the only method is to draw it in
PostScript and then convert it.

By the way, in PostScrip which font is usually used?

jdu

On Nov 11, 11:13 pm, David Fanning <da...@dfanning.com> wrote:
> pp writes:
>> On Nov 11, 7:50 pm, David Fanning <da...@dfanning.com> wrote:
>
>>> You will have to use Matlab or R to draw your plots if you want
>>> beautiful. IDL direct graphics doesn't do beautiful. Maybe you
>>> want to try an object graphics plot (e.g, xplot in my library,
>>> for example). Those fonts are mostly beautiful. :-)
>
>> Or try iplot.

>
> Or, if it's kludgy solutions you are after, draw the plot
> in PostScript, convert it to PNG with ImageMagick, and display
> *that* in an un-resizable IDL graphics window. The Y axis will
> look great! ;-)
>
> Cheers,
>
> David

Subject: Re: Use the device fonts for Ytitle on screen
Posted by David Fanning on Wed, 11 Nov 2009 23:06:32 GMT
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JDU writes:

> By the way, in PostScript which font is usually used?

If you are using PS_START, then Helvetica is the default
for both PostScript hardware fonts (FONT=0) and PostScript
True-Type fonts (FONT=1). You can choose other True-Type
fonat id you like by setting the FONT and TT_FONT keywords.
For example, to use a TIMES font:

    PS_Start, FONT=1, TT_FONT='TIMES'

Cheers,

David