
Subject: User-added Postscript fonts

Posted by [Mark Fardal](#) on Thu, 03 Aug 2000 07:00:00 GMT

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Hi,

I finally figured out how to add the AMS math Postscript fonts to IDL. They have some symbols that are not available in the standard set of Postscript fonts. If I could make them available, I'd never need vector fonts in PS files again.

Unfortunately, it doesn't seem possible to use more than one such font at a time. I thought you would be able to add several by using font indices, but apparently not:

```
IDL> help,/device
```

```
...
      (!17) AvantGarde-Book      (!18) NewCenturySchlbk-Roman
      (!19) NewCenturySchlbk-Bold (!20) <Undefined-User-Font>
```

```
IDL> DEVICE, set_font = 'CMBSY7', font_index=19
```

```
IDL> help,/device
```

```
...
      (!17) AvantGarde-Book      (!18) NewCenturySchlbk-Roman
      (!19) CMBSY7               (!20) CMBSY7
```

```
IDL> DEVICE, set_font = 'MSAM10', font_index=17
```

```
IDL> help,/device
```

```
...
      (!17) MSAM10               (!18) NewCenturySchlbk-Roman
      (!19) MSAM10               (!20) MSAM10
```

So, if you try something like

```
set_plot, 'ps'
!p.font=0
device, /palatino, /bold, font_index=6
device, set_font = 'MSAM10', font_index=17
device, set_font = 'CMBSY7', font_index=19
plot, indgen(10), title = '!20what font am i this time?!6'
xyouts, .3, .5, /normal, '!6M!d!19'+string(12b)+'!n!17' $
      +string(46b)+'!6 2 !m'+string(180b)+' !x 10!u33!n g', size=1.7
device,/close
```

you can get one special symbol or the other correct, depending on the ordering of the "device, set_font" statements, but not both. A further drawback of this is that it is harder to modify TeXtoldl to produce the correct symbols.

I don't see anything in the documentation about this behavior.

Is this a quirk of my system? which is namely
x86 linux unix 5.2.1, Debian linux

thanks,
Mark Fardal
UMass
