
Subject: Re: Z-buffer font quality

Posted by [davidf](#) on Fri, 02 Apr 1999 08:00:00 GMT

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Gwyn Fireman (fireman@mcst.gsfc.nasa.gov) writes:

> I am trying to generate plots with high-quality fonts using the
> Z-buffer. TrueType fonts of the size I would usually use for titles
> come out chunky and less readable than hardware fonts. David Fanning
> has recently claimed success with this; what am I doing wrong?

Well, I usually write to the Z-buffer at twice the resolution that I want to see on the display. For example, here is your modified code. It looks OK on my display, but perhaps I'm not that picky for display purposes. Now, hardcopy, that's something else. :-)

PRO TEST

```
thisDevice = !D.Name
```

```
set_plot, 'Z' ; open gif
```

```
!p.font = 1 ; set font
```

```
Device, Set_Font='Times', /TT_Font, Set_Resolution=[800, 800]
```

```
plot, indgen(5), title = 'Main Plot Title', $
```

```
  xtitle = 'X-Axis Title', ytitle = 'Y-Axis Title', $
```

```
  color = 0, background = 255, charsize=2.0 ; Twice normal size characters
```

```
xyouts, 0.5, 3, 'Annotation', color=0, size=4
```

```
image = tvrd() ; capture plot from Z-buffer
```

```
set_plot, thisDevice
```

```
window, 0, xsize=400, ysize=400
```

```
tv, Rebin(image, 400, 400) ; display image
```

```
END
```

Cheers,

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