Subject: String length when FONT=1
Posted by Paul van Delst on Thu, 31 Jan 2002 19:53:06 GMT
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Hey there,

Anyone know how to determine string length in normalised units when you're using truetype fonts?

Currently I have:

```
ch_size = CONVERT_COORD( !D.X_CH_SIZE, !D.Y_CH_SIZE, /DEVICE, /TO_NORMAL )
x_ch_size = ch_size[ 0 ] * charsize
x_length = STRLEN( my_string ) * x_ch_size )
```

which works great for the regular on-screen hershey type of fonts, but not for proportional fonts.

any ideas? what I want to do is blank out the plot behind the text, e.g. like for legends etc.

paulv

--
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Subject: Re: String length when FONT=1
Posted by Paul van Delst on Fri, 01 Feb 2002 19:32:47 GMT
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Paul van Delst wrote:
>
> Andrew Cool wrote:
>>
>> Paul van Delst wrote:
>>>
>>> Hey there,
>>>
>>> Anyone know how to determine string length in normalised units when you're using truetype
>>> fonts?
>>>
>>> Currently I have:
>>>
>>> ch_size = CONVERT_COORD(!D.X_CH_SIZE, !D.Y_CH_SIZE, /DEVICE, /TO_NORMAL)
>>> x_ch_size = ch_size[0] * charsize

>>>   x_length = STRLEN(my_string) * x_ch_size)
>>>
>>> which works great for the regular on-screen hershey type of fonts, but not for proportional
>>> fonts.
>>>
>>> any ideas? what I want to do is blank out the plot behind the text, e.g. like for legends etc.
>>>
>>> paulv
>>
>> Hiya Paul,
>>
>>   Does the Width keyword to XYOUTS not help? e.g. :-
>>
>>   XYOUTS, x, y, string, WIDTH=thisWidth, CHARSIZE=-1
>>
>>   Charsize of -1 suppresses printing to the window, and the variable
>>   thisWidth returns the width of the string in normalized coordinates.
>
> Hmm...this does not seem to work as advertised on my system.
>
> IDL> print, !version
> { x86 linux unix 5.4.1 Jan 16 2001   32   32}
>
> The following is what I get for the string lengths via the XYOUTS with font=1:
>
> Level ppmv   0.0484790
> ppmv->cd->corr.ppmv   0.0991605
> corr-nocorr ppmv   0.0736377
> corr-interp ppmv   0.0700989
> nocorr-interp ppmv   0.0809504
>
> oh so incorrect.

Aha! Must scale the result by whatever the charsize value is for the ACTUAL string. Cool. Still - it's a bit silly to have to use xyouts twice.... or maybe not.

paulv

--
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Subject: Re: String length when FONT=1
Posted by David Fanning on Fri, 01 Feb 2002 19:42:06 GMT

Paul van Delst (paul.vandelst@noaa.gov) writes:

> Hmm...this does not seem to work as advertised on my system.
>
> IDL> print, !version
> { x86 linux unix 5.4.1 Jan 16 2001 32 32}
>
> The following is what I get for the string lengths via the XYOUTS with font=1:
>
> Level ppmv 0.0484790
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> corr-nocorr ppmv 0.0736377
> corr-interp ppmv 0.0700989
> nocorr-interp ppmv 0.0809504
>
> oh so incorrect.

Humm. I've never known this to be incorrect before.
Are you sure the same window was the current graphics
window when you ran these tests? In other words, have
you done a WSet *before* you ran the XYOUTS command?

Cheers,

David

--
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