
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

--

Paul van Delst Religious and cultural
CIMSS @ NOAA/NCEP purity is a fundamentalist
Ph: (301)763-8000 x7274 fantasy
Fax:(301)763-8545 V.S.Naipaul

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:

>>>

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>>> x_length = STRLEN( my_string ) * x_ch_size )
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>>> 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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 CIMSS @ NOAA/NCEP purity is a fundamentalist
 Ph: (301)763-8000 x7274 fantasy
 Fax:(301)763-8545 V.S.Naipaul

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:

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> 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

--

David W. Fanning, Ph.D.
Fanning Software Consulting
Phone: 970-221-0438, E-mail: david@dfanning.com
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Toll-Free IDL Book Orders: 1-888-461-0155
