
Subject: Re: Why the default set is 'XSTYLE=0, YSTYLE=0'

Posted by [greg.addr](#) on Mon, 23 Jul 2007 10:22:41 GMT

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On Jul 23, 10:11 am, Yi <yi.se...@gmail.com> wrote:

> Dear IDL experts.

>

> I know that I have to set XSTYLE=1, YSTYLE=1 to enforce exact axis

> ranges.

> Now, I'd like to know when the default setting(XSTYLE=0, YSTYLE=0) is

> more useful

> than [XY]style=1.

Every day except Monday?

Subject: Re: Why the default set is 'XSTYLE=0, YSTYLE=0'

Posted by [Conor](#) on Mon, 23 Jul 2007 12:34:10 GMT

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On Jul 23, 6:22 am, greg.a...@googlemail.com wrote:

> On Jul 23, 10:11 am, Yi <yi.se...@gmail.com> wrote:

>

>> Dear IDL experts.

>

>> I know that I have to set XSTYLE=1, YSTYLE=1 to enforce exact axis

>> ranges.

>> Now, I'd like to know when the default setting(XSTYLE=0, YSTYLE=0) is

>> more useful

>> than [XY]style=1.

>

> Every day except Monday?

Most of the time I use the default setting when I'm just plotting a data set for the first time, and don't know exactly what axis range I would like to use. Essentially, it is handy anytime you don't know what your data range is, and you are too lazy to type 'xr=[min(x),max(x)],yr=[min(y),max(y)],xs=1,ys=1'. Also, [xy]style = 0 is usually pretty good at putting just enough whitespace on each side of the plot to make it look nice, a fact that I sometimes take advantage of.

Subject: Re: Why the default set is 'XSTYLE=0, YSTYLE=0'

Posted by [weitkamp](#) on Tue, 24 Jul 2007 11:25:59 GMT

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On Jul 23, 2:34 pm, Conor <cmanc...@gmail.com> wrote:

> Most of the time I use the default setting when I'm just plotting a
> data set for the first time, and don't know exactly what axis range I
> would like to use. Essentially, it is handy anytime you don't know
> what your data range is, and you are too lazy to type
> 'xr=[min(x),max(x)],yr=[min(y),max(y)],xs=1,ys=1'. Also, [xy]style =
> 0 is usually pretty good at putting just enough whitespace on each
> side of the plot to make it look nice, a fact that I sometimes take
> advantage of.

Really? Automatic range scaling is the default regardless of the values of [XY]STYLE, I think. And the whitespace produced by [XY]STYLE=0 is often extremely unevenly distributed (if present at all).

Anyway, here's a hint to the original poster: Yi, if you don't like the default behavior of PLOT, you can change it by adding two statements to your startup file:

```
!X.STYLE=1  
!Y.STYLE=1
```

Cheers,
Timm
