
Subject: Large dots in Postscript output

Posted by [Irene Dumkow](#) on Wed, 05 Feb 2003 15:37:40 GMT

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I am feeling a little like Lady Macbeth: Out, Out damned spot

My problem: I am plotting data in the range 0 to 10000 and IDL is giving me tickmarks at 2000, 4000, 6000, 8000 and 10000. I have no problem with that, except that when using Postscript/Device - Fonts, IDL plots it as 2×10^4 , etc with the x being one large dot. Can somebody explain to me why IDL does that or has a good and or easy solution to at least shrink that dot or transform it into an x? Apart from getting the tickvalues via `gettickv` and putting it together by hand.

I even used `ps_show_fonts` trying to figure out, what IDL might use and saw that character 183 is significantly smaller, if one uses the `/isolatin1` option. But that seems to work only for the sample fonts, not for my example.

I hope somebody can shed some light!

Irene

PS: As these are intensity data, I could always use the 'arbitrary units' option, but I would really like to know, why IDL does this.

Subject: Re: Large dots in Postscript output

Posted by [R.Bauer](#) on Sat, 15 Feb 2003 13:40:47 GMT

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Irene Dumkow wrote:

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> My problem: I am plotting data in the range 0 to 10000 and IDL is giving
> me tickmarks at 2000, 4000, 6000, 8000 and 10000. I have no problem with
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> I hope somebody can shed some light!
>
> Irene

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> PS: As these are intensity data, I could always use the 'arbitrary units'
> option, but I would really like to know, why IDL does this.

Dear Irene,

you can write yourself a function which is used to label the output on
the axes.

For example:

http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_source/idl_work/fr_lib/emensch.pro

`plot,findgen(20000) ,xtickformat='emensch'`

regards

Reimar

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Reimar Bauer

Institut fuer Stratosphaerische Chemie (ICG-I)
Forschungszentrum Juelich
email: R.Bauer@fz-juelich.de

a IDL library at ForschungsZentrum Juelich

http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html

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