
Subject: Re: object graphics, exploding axis text, how to fix by explicitly setting char_dims?

Posted by [lecacheux.alain](#) on Wed, 11 Dec 2013 14:01:00 GMT

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Le mercredi 11 décembre 2013 12:59:27 UTC+1, AJAS a écrit :

> On Tuesday, 10 December 2013 20:35:48 UTC, Starbuck wrote:

>

>> On Friday, November 29, 2013 2:01:04 PM UTC-7, jkj wrote:

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>>> Hi,

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>>> The researchers I work for [San Antonio, Southwest Research Institute, Space Science & Engineering] are using object graphics for the interactivity it provides.

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>>> We work with a lot of very small-valued data (electron precipitation measurements). In certain units the mean of our data will typically be 1.e-14. We consider 1.d-25 to be a reasonable measure of zero.

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>>> There are many quirks presented by IDL when data values become very small. One such
quirk is "exploding text", as seen in this random selection of line plots, two showing well-behaved
text (goodExample*.png) and the other two showing exploded text (badExample*.png):
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>>> http://safariPASS.com/goodExample.png
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>>> http://safariPASS.com/badExample.png
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>>> Thanks,
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>>> -Kevin
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>> I was able to reproduce the problem with the following code:
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>> h = double(HANNING(100,100)*2.3e-13)
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>> s = surface(h,COLOR='black', style=1, CLIP=0)
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>> I have filed a bug report IDL-68998 about the issue.
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>> -Starbuck
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> I also get strange behaviour in contour.
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>
> IDL> c = CONTOUR(h,C_LABEL_SHOW=1,XRANGE=[60,80])
>
> IDL> HELP, !VERSION
>
> ** Structure !VERSION, 8 tags, length=104, data length=100:
>
> ARCH      STRING  'x86_64'
>
> OS        STRING  'linux'
>
> OS_FAMILY  STRING  'unix'
>
> OS_NAME    STRING  'linux'
>
> RELEASE    STRING  '8.2'
>
> BUILD_DATE  STRING  'Apr 10 2012'
>
> MEMORY_BITS INT      64
>
> FILE_OFFSET_BITS
>
>          INT      64
>
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>
> Andy
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It seems to be a scaling problem. With c.ASPECT_RATIO=1, the labels are well formed, then get unreadable when c.ASPECT_RATIO goes down to 0 (the default).
alx.
