
Subject: Re: !M in IDL8

Posted by [Mark Piper](#) on Tue, 20 Nov 2012 21:11:42 GMT

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On Tuesday, November 20, 2012 12:31:38 PM UTC-7, Jeremy Bailin wrote:

> Did the meaning of !M as an embedded formatting command change in IDL8??

>

> I am running some code that generates plots that worked perfectly in

>

> IDL7, but when I run it in IDL8 the entire text after the !M stays in

>

> math mode, rather than reverting to the previous font after one

>

> character. The online docs seem ambiguous - on

>

> http://www.exelisvis.com/docs/Embedded_Formatting_Comm.html it is listed

>

> both as "Switch to the math/symbol font for one character, then switch

>

> back." under Positioning Commands, and identical to !9 in Changing Fonts

>

> within a String.

>

>

>

> This is going to be a real pain for any code I have that generates plots

>

> in units of solar masses if that's "expected behaviour".

>

>

>

> IDL> print, !version

>

> { x86_64 darwin unix Mac OS X 8.2.1 Aug 20 2012 64 64 }

>

>

>

>

>

> -Jeremy.

Hi Jeremy,

I can't find any recent changes to !M. Can you give me more info? This:

```
IDL> plot, findgen(2), title='foo !Mb bar'
```

gives me the "greater than or equal to" sign (Windows and Linux) between the foo and the bar.

mp

Subject: Re: !M in IDL8

Posted by [Jeremy Bailin](#) on Tue, 20 Nov 2012 21:43:02 GMT

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On 11/20/12 4:11 PM, Mark Piper wrote:

> On Tuesday, November 20, 2012 12:31:38 PM UTC-7, Jeremy Bailin wrote:

>> Did the meaning of !M as an embedded formatting command change in IDL8??

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>> -Jeremy.

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> Hi Jeremy,

>

> I can't find any recent changes to !M. Can you give me more info? This:
>
> IDL> plot, findgen(2), title='foo !Mb bar'
>
> gives me the "greater than or equal to" sign (Windows and Linux) between the foo and the bar.
>
> mp
>

Trying to recreate it, I've discovered that it only occurs if there is a font change earlier in the string.

IDL> plot, findgen(2), title='!7T!X [M!D!Mn!N/yr]'

-Jeremy.

Subject: Re: !M in IDL8

Posted by [Mark Piper](#) on Tue, 20 Nov 2012 22:48:36 GMT

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On Tuesday, November 20, 2012 2:43:09 PM UTC-7, Jeremy Bailin wrote:

>
> Trying to recreate it, I've discovered that it only occurs if there is a
>
> font change earlier in the string.
>
>
>
> IDL> plot, findgen(2), title='!7T!X [M!D!Mn!N/yr]'
>
>
>
> -Jeremy.

I think this is a bug (which I'll log). It's worse on Windows, where even the !X isn't honored. This:

IDL> plot, findgen(2), title='!7T!X foo !Mb bar'

behaves correctly in 7.1, but not in 8.X with the Hershey fonts.

mp

Subject: Re: !M in IDL8

Posted by [Jeremy Bailin](#) on Wed, 21 Nov 2012 20:22:34 GMT

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> I think this is a bug (which I'll log). It's worse on Windows, where even the !X isn't honored.
This:
>
> IDL> plot, findgen(2), title='!7T!X foo !Mb bar'
>
> behaves correctly in 7.1, but not in 8.X with the Hershey fonts.
>
> mp

Okay, good to know I'm not crazy! The !X might not literally be a bug but look like one because of your testing - since !M seems to not release, it becomes the old font so the !X effectively switches to math mode. For example, if I run your code in a fresh IDL8 session, "foo" is correct, but if I run it again then it's wrong.

-Jeremy.
