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.

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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                                                        64
                                                               64}
>>
>>
>>
>>
>>
>> -Jeremy.
> Hi Jeremy,
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     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.