
Subject: Re: starting point of dashed lines

Posted by [Jeremy Bailin](#) on Mon, 23 Mar 2009 14:54:02 GMT

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On Mar 23, 10:22 am, Paolo <pgri...@gmail.com> wrote:

> Hi Jeremy,

>

> yes, this is one of the things I dislike about plot,
> that such details as the phase of dashes is totally
> out of control.

>

> In fact, at some point I wrote a little procedure to
> overplot with dashes of specified length and phase...
> I should still have it I believe, and I can dig it up for
> you if that would be useful...

>

> Ciao,

> Paolo

>

> Jeremy Bailin wrote:

>> On Mar 22, 12:28 pm, Jeremy Bailin <astroco...@gmail.com> wrote:

>>> Any sort of dashed and/or dotted linestyle (i.e. anything other than
>>> linestyle=0) has some natural "starting point" or phase. Is there a
>>> way to manually reset it?

>

>>> My specific problem is that I'm generating some plots in .png files
>>> that are going to be stuck together as an animation, including a
>>> dashed line that should be identical in each plot. However, it isn't -
>>> at least, not when plotted to the Z buffer! Here is some code that
>>> demonstrates this:

>

>>> set_plot, 'z'

>>> plot, [0,1], [-0.5,0.5]

>>> erase

>>> oplot, [0,1], [0,0], lines=2

>>> write_png, 'test1.png', tvrd()

>>> erase

>>> oplot, [0,1], [0,0], lines=2

>>> write_png, 'test2.png', tvrd()

>

>>> If you compare the two .png files, you'll see that the dashing is
>>> shifted slightly. However, if I do this with set_plot,'x' instead, it
>>> works fine!

>

>>> -Jeremy.

>

>> Incidentally, the easiest way to see this is to omit the second

>> "erase" command in my example - then the actual size of the dashes

>> appears to get bigger as out-of-phase dashes get overplotted on top of
>> each other.
>
>> Anyone?
>
>> -Jeremy.
>
>

Would love it. I've worked around this particular issue today by using
a gray line instead, but I can easily see it coming up again.

What bugs me is that there must be *some* internal variable that is
telling IDL what phase to start at. So how can we get at it??

-Jeremy.
