Subject: Re: new miracle of minor ticks
Posted by David Fanning on Wed, 29 Aug 2007 17:32:26 GMT
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Reimar Bauer writes:

> I am back from my journey. And I have had a similiar experience with
> doors as you David had but for the opposite direction. ;)

Reimar refers to an embarrassing experience in the past,
whose only saving grace was that it caused Karsten
Rodenacker to feel so much pity for me he became
a good friend.

http://www.dfanning.com/adventures/munich/arrival.html

Well, at least I know now there is *something* about
doors that is confusing to others. That is some solace. :-)

> But lets go to idl. The today most wanted answer is for:
>
> Where are the minor ticks?
>
> Any number of xticks gives no minor xticks.
>
>
> ; xminor
> ; The number of minor tick mark intervals.
> ; If set to zero, the default, IDL automatically determines the number
> ; of minor ticks in each major tick-mark interval.
> ; Setting this parameter to 1 suppresses the minor ticks, and setting it
> ; to a positive, nonzero number, n, produces
> ; n minor-tick intervals, and n?1 minor-tick marks.

I think the documentation is incomplete. I think it was meant to
say this:

> If set to zero, the default, IDL automatically determines the
> number of minor ticks in each major tick-mark interval, unless
> you are totally screwing with its head by creating your own tick
> values and names. Then it just throws up its hands and assumes
> you know what the hell you are doing!

Cheers,

David
--
David Fanning, Ph.D.

Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: new miracle of minor ticks
Posted by David Fanning on Wed, 29 Aug 2007 17:46:10 GMT
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David Fanning writes:

> I think the documentation is incomplete. I think it was meant to
> say this:
>
> If set to zero, the default, IDL automatically determines the
> number of minor ticks in each major tick-mark interval, unless
> you are totally screwing with its head by creating your own tick
> values and names. Then it just throws up its hands and assumes
> you know what the hell you are doing!

By the way, the error message, "Alright, then YOU do it!"
is being suppressed. It can be reactivated by using the
WIFE keyword on the Plot command.

Cheers,

David
--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: new miracle of minor ticks
Posted by R.Bauer on Wed, 29 Aug 2007 17:54:00 GMT
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David Fanning wrote:
> Reimar Bauer writes:
>
>> I am back from my journey. And I have had a similiar experience with
>> doors as you David had but for the opposite direction. ;)
>
> Reimar refers to an embarrassing experience in the past,
> whose only saving grace was that it caused Karsten
> Rodenacker to feel so much pity for me he became

> a good friend.
>
> http://www.dfanning.com/adventures/munich/arrival.html
>
> Well, at least I know now there is *something* about
> doors that is confusing to others. That is some solace. :-)
>
>> But lets go to idl. The today most wanted answer is for:
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>> Where are the minor ticks?
>>
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>>
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> number of minor ticks in each major tick-mark interval, unless
> you are totally screwing with its head by creating your own tick
> values and names. Then it just throws up its hands and assumes
> you know what the hell you are doing!
>
> Cheers,
>
> David

Hi David

unfortunately this does not help, same result ;)

```
 PRO example_bug3
    x = findgen(1000)
    y1 = sin(x)

    extra_axis={xrange:[300.0,840],yrange:[-1.1,1.1]}

    plot, x, y1,$
         xstyle=1, $
         ystyle=1, $
```

```
position=[0.235690,0.285714,0.760943,0.802381], $
title=title, $
charsize = 1.18942, $
XTICKS = 4, $
XMINOR = 0, $
ytype=0, $
_extra=extra_axis

END
```

Subject: Re: new miracle of minor ticks
Posted by David Fanning on Wed, 29 Aug 2007 18:09:26 GMT
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Reimar Bauer writes:

> unfortunately this does not help, same result ;)

Another fabulous theory down the drain. I'm not
having much luck this week. :-(

Cheers,

David
--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: new miracle of minor ticks
Posted by lasse on Thu, 30 Aug 2007 12:46:17 GMT
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Hi,

it seems that the xstyle=1 triggers that behaviour. If you do

plot, indgen(11), xticks=5

minor tick mark are there, however do a

plot, indgen(11), xticks=5, /xstyle

they are gone. also, when you combine any other xstyle option with 1,
i.e. xstyle=9.

I noticed this behaviour earlier and thought of it as a feature, not a
bug. I just got used to setting the xminor keyword to whatever is
appropriate.

So long
Lasse

On 29 Aug, 18:09, Reimar Bauer <R.Ba...@fz-juelich.de> wrote:
> Hi
>
> I am back from my journey. And I have had a similiar experience with
> doors as you David had but for the opposite direction. ;)
>
> But lets go to idl. The today most wanted answer is for:
>
> Where are the minor ticks?
>
> Any number of xticks gives no minor xticks.
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> ; xminor
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> ; Setting this parameter to 1 suppresses the minor ticks, and setting it
> ; to a positive, nonzero number, n, produces
> ; n minor-tick intervals, and n?1 minor-tick marks.
>
> PRO example_bug
> x = findgen(1000)
> y1 = sin(x)
>
> extra_axis={xrange:[300.0,840],yrange:[-1.1,1.1]}
>
> plot, x, y1,$
> xstyle=1, $
> ystyle=1, $
> position=[0.235690,0.285714,0.760943,0.802381], $
> title=title, $
> charsize = 1.18942, $
> xtick_get = xtg, $
> ytick_get = ytg, $
> XTICKS = 2, $
> XMINOR = 0, $
> XTICKV = xtickv, $
> XTICKNAME = xtickname, $

> ytype=0, $
> _extra=extra_axis
>
> END
>
> cheers
> Reimar

Subject: Re: new miracle of minor ticks
Posted by David Fanning on Thu, 30 Aug 2007 13:06:08 GMT
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Lasse Clausen writes:

> it seems that the xstyle=1 triggers that behaviour. If you do
>
> plot, indgen(11), xticks=5
>
> minor tick mark are there, however do a
>
> plot, indgen(11), xticks=5, /xstyle
>
> they are gone. also, when you combine any other xstyle option with 1,
> i.e. xstyle=9.
>
> I noticed this behaviour earlier and thought of it as a feature, not a
> bug. I just got used to setting the xminor keyword to whatever is
> appropriate.

Weird. This doesn't happen in my IDL 6.3, but does in IDL 6.4
on Windows. Is this happening in UNIX, too?

Cheers,

David
--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: new miracle of minor ticks
Posted by R.Bauer on Thu, 30 Aug 2007 13:07:05 GMT
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Lasse Clausen wrote:
> Hi,
>
> it seems that the xstyle=1 triggers that behaviour. If you do
>
> plot, indgen(11), xticks=5
>
> minor tick mark are there, however do a
>
> plot, indgen(11), xticks=5, /xstyle
>
> they are gone. also, when you combine any other xstyle option with 1,
> i.e. xstyle=9.
>
> I noticed this behaviour earlier and thought of it as a feature, not a
> bug. I just got used to setting the xminor keyword to whatever is
> appropriate.
>
> So long
> Lasse

I dont think its a feature because you got minor ticks if you dont
specify yourself xrange. This sounds more a bug.

cheers
Reimar

>
> On 29 Aug, 18:09, Reimar Bauer <R.Ba...@fz-juelich.de> wrote:
>> Hi
>>
>> I am back from my journey. And I have had a similiar experience with
>> doors as you David had but for the opposite direction. ;)
>>
>> But lets go to idl. The today most wanted answer is for:
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>> Where are the minor ticks?
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>> Any number of xticks gives no minor xticks.
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>> ; Setting this parameter to 1 suppresses the minor ticks, and setting it
>> ; to a positive, nonzero number, n, produces
>> ; n minor-tick intervals, and n?1 minor-tick marks.

```
>>
>>  PRO example_bug
>>      x = findgen(1000)
>>      y1 = sin(x)
>>
>>      extra_axis={xrange:[300.0,840],yrange:[-1.1,1.1]}
>>
>>      plot, x, y1,$
>>           xstyle=1, $
>>           ystyle=1, $
>>           position=[0.235690,0.285714,0.760943,0.802381], $
>>           title=title, $
>>           charsize = 1.18942, $
>>           xtick_get = xtg, $
>>           ytick_get = ytg, $
>>           XTICKS = 2, $
>>           XMINOR = 0, $
>>           XTICKV = xtickv, $
>>           XTICKNAME = xtickname, $
>>           ytype=0, $
>>           _extra=extra_axis
>>
>>  END
>>
>>  cheers
>>  Reimar
>
>
```

Subject: Re: new miracle of minor ticks
Posted by R.Bauer on Thu, 30 Aug 2007 13:08:48 GMT
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David Fanning wrote:
> Lasse Clausen writes:
>
>> it seems that the xstyle=1 triggers that behaviour. If you do
>>
>> plot, indgen(11), xticks=5
>>
>> minor tick mark are there, however do a
>>
>> plot, indgen(11), xticks=5, /xstyle
>>
>> they are gone. also, when you combine any other xstyle option with 1,
>> i.e. xstyle=9.
>>

>> I noticed this behaviour earlier and thought of it as a feature, not a
>> bug. I just got used to setting the xminor keyword to whatever is
>> appropriate.
>
> Weird. This doesn't happen in my IDL 6.3, but does in IDL 6.4
> on Windows. Is this happening in UNIX, too?

idl6.4 linux seems to have this bug.

cheers
Reimar

Subject: Re: new miracle of minor ticks
Posted by Brian Larsen on Thu, 30 Aug 2007 13:11:54 GMT
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> Weird. This doesn't happen in my IDL 6.3, but does in IDL 6.4
> on Windows. Is this happening in UNIX, too?
>
> Cheers,
>
> David

My mac with 6.4 has the behavior as well. So I bet the UNIX will
also.

Cheers,

Brian

Brian Larsen
Boston University
Center for Space Physics

Subject: Re: new miracle of minor ticks
Posted by Mirko.Vukovic[1] on Fri, 31 Aug 2007 20:47:08 GMT
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Much stuff deleted
>
> I dont think its a feature because you got minor ticks if you dont
> specify yourself xrange. This sounds more a bug.

>

Bugs, ticks. Are you guys sure you are in the right newsgroup?
alt.bio.insects may be more appropriate.

Mirko

Subject: Re: new miracle of minor ticks
Posted by David Fanning on Fri, 31 Aug 2007 20:51:51 GMT
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Mirko.Vukovic@gmail.com writes:

> Bugs, ticks. Are you guys sure you are in the right newsgroup?
> alt.bio.insects may be more appropriate.

Mirko!? It must be a holiday weekend... :-)

Cheers,

David
--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")
