
Subject: Re: Minor ticks beyond last xtickv?
Posted by [mole6e23](#) on Sat, 16 Sep 2000 07:00:00 GMT
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Martin Schultz <martin.schultz@dkrz.de> wrote:

>> some fake data shows my problem; it doesn't put minor ticks after the last
>> tick value, and I'd really like it to. If you just let IDL do your axes,

> What exactly do you want?

> I tried:

> IDL> plot,findgen(50)/50.*4.,findgen(50)^2,xrange=[0,4.8],\$
> IDL> xtickv=[.5,1.,1.5,2,2.5,3,3.5,4.,4.5,5.],xticks=8,xstyle=1,xminor=8

Your first solution was what I wanted. What I didn't know was that you could give different numbers of elements to xtickv and xticks. If you look back at what I wrote, I put in xticks=10 for that example, which forced it to use all my tick values, instead of xticks=8 which tells it to use only the first 9 values.

Thanks!
Todd

Subject: Re: Minor ticks beyond last xtickv?
Posted by [Martin Schultz](#) on Sat, 16 Sep 2000 07:00:00 GMT
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Todd Clements wrote:

>

> Hi there...

>

> I deal with direct graphics only (sorry!) and I was recently playing with
> xtickv to set up some axes in a certain way. The following command with
> some fake data shows my problem; it doesn't put minor ticks after the last
> tick value, and I'd really like it to. If you just let IDL do your axes,
> it will put them there. If you try to use xrange and set a higher xtickv
> to try and fake it, it ignores xrange. And I would like to have an exact
> range, not up to 5.0 or whatever. Any ideas on how to get those minor
> ticks?

>

> ;; Needs more ticks!

> plot,findgen(50)/50.*4.,findgen(50)^2,xrange=,\$
> xtickv,xticks=8,xstyle=1,xminor=8

>

> ;; Ignores xrange in favor of xtickv

> plot,findgen(50)/50.*4.,findgen(50)^2,xrange=,\$

```
> xtickv=,xticks=10,xstyle=1,xminor=8
>
> Todd
```

????????????????

What exactly do you want?

I tried:

```
IDL> plot,findgen(50)/50.*4.,findgen(50)^2,xrange=,$
IDL>
xtickv=,xticks=8,xstyle=1,xminor=8
```

and it produces minor tick marks until the very end. If you want to omit the *label* at 4.5, you could do

```
IDL> plot,findgen(50)/50.*4.,findgen(50)^2,xrange=,$
IDL>
xtickv=[.5,1.,1.5,2,2.5,3,3.5,4.,4.5,5.],xticks=8,xstyle=1,x minor=8,$
IDL> xtickname=['.5','1','1.5','2','2.5','3','3.5','4',' ','5']
```

If you don't want a tick mark at 4.5 it becomes a little more complicated. You would then have to use the axis command to create a second axis with a ticklen parameter that is smaller.

Regards,
Martin

--

```
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```
