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Subject: Problem with PLOT\_OO ticks

Posted by [mallozzi](#) on Mon, 06 Mar 1995 14:09:25 GMT

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Hi all,

I have a routine that zooms in on a plot. If the x-axis, for example, is a log scale, and I zoom in to less than 1 decade, IDL spaces the tickmarks logarithmically (as it should), but doesn't label any of them! If I then set XTICKS manually, the tickmarks are evenly spaced on the axis, resulting in weird values for the ticks.

PLOT needs to be fixed so that tickmarks are labeled automatically for ranges less than 1 decade. In the meantime, does anyone have an easy implementation to fix this? The set of routines is much too complicated to go through and try to fix every plot by hand...

BTW, I tried this with IDL V3.5.1 and V3.6

Thanks,

[mallozzi@ssl.msfc.nasa.gov](mailto:mallozzi@ssl.msfc.nasa.gov)

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Subject: Re: problem with plot

Posted by [David Fanning](#) on Mon, 12 Nov 2007 15:11:21 GMT

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nakisa writes:

```
> I am new in IDL , I want to plot data which restored in txt file and
> plot by below code.
>
>
> pro test
> A_x=fltarr(1)
> A_y=fltarr(1)
> fn='F:\test.txt'
> openr,1,fn
> repeat begin
>   readf,1,x,y
>   ;A_x(*)=x
>   ;A_y(*)=y
>   plot,A_x,A_y
> endrep until eof(1)
> close,1
> ;plot ,A_x,A_y,PSYM=4,Title="test"
> END
>
>
```

> It runs ,but plot only a frame!! Can anybody say me where the error  
> is

Oh, dear. How about something like this:

```
PRO test
  datafile = 'F:\test.txt'
  rows = File_Lines(datafile)
  data = FltArr(2,rows)
  OpenR, lun, datafile, /Get_LUN
  ReadF, lun, data
  Free_Lun, lun
  x = Reform(data[0,*])
  y = Reform(data[1,*])
  Plot, x, y
END
```

Cheers,

David

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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.")

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Subject: Re: problem with plot  
Posted by [nakisa](#) on Tue, 13 Nov 2007 05:23:51 GMT  
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hi David

I use 5.4 version, and as far as i searching thorough internet ,

"file\_lines" works in 5.6 version.

so i can't use it !!

nakisa

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Subject: Re: problem with plot  
Posted by [Allan Whiteford](#) on Tue, 13 Nov 2007 16:22:00 GMT  
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David Fanning wrote:

> nakisa writes:

>

>

```

>> I am new in IDL , I want to plot data which restored in txt file and
>> plot by below code.
>>
>>
>> pro test
>> A_x=fltarr(1)
>> A_y=fltarr(1)
>> fn='F:\test.txt'
>> openr,1,fn
>> repeat begin
>> readf,1,x,y
>> ;A_x(*)=x
>> ;A_y(*)=y
>> plot,A_x,A_y
>> endrep until eof(1)
>> close,1
>> ;plot ,A_x,A_y,PSYM=4,Title="test"
>> END
>>
>>
>> It runs ,but plot only a frame!! Can anybody say me where the error
>> is
>
>
> Oh, dear. How about something like this:
>
> PRO test
>   datafile = 'F:\test.txt'
>   rows = File_Lines(datafile)
>   data = FltArr(2,rows)
>   OpenR, lun, datafile, /Get_LUN
>   ReadF, lun, data
>   Free_Lun, lun
>   x = Reform(data[0,*])
>   y = Reform(data[1,*])
>   Plot, x, y
>   END
>
> Cheers,
>
> David
>

```

I'd prefer:

```

pro test
  plot,((_=read_ascii("F:\test.txt"))).(0)[0,*],_.(0)[1,*]
end

```

but I'm not paid by the number of lines of code I write :).

In all seriousness, though, is there a reason to avoid `read_ascii` for things like this or were you just trying to use as much of the original structure as possible?

Thanks,

Allan

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