
Subject: Re: combine subsections within xlabel

Posted by [David Fanning](#) on Wed, 09 Mar 2011 16:17:28 GMT

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ele writes:

- > I'd like to plot two subsections from the x-axis straight after
- > eachother, say from 0 - 3 and from 8 - 14, ignorring the gap from 3 to
- > 8 completly.
- >
- > I have the label (wavelength) information as index in wl with 157
- > elements
- >
- > plot, wl, lib[* ,0]
- >
- > is it possible to force the plot somehow to ignor plotting and
- > labeling 3 to 8 on the x-axis

Set the values you don't want to plot to !Values.F_NAN.

The labeling you may have to specify yourself. You could write a tick formatting function that returned null strings for values between 3 and 8.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: combine subsections within xlabel

Posted by [pgrigis](#) on Wed, 09 Mar 2011 20:57:21 GMT

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On Mar 9, 11:03 am, ele <eise...@googlemail.com> wrote:

- > Hi,
- >
- > I'd like to plot two subsections from the x-axis straight after
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> plot, wl, lib[*],0]
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> Thanks
> Andreas

Well, normally in this case you do 2 separate plots, but position them next to each other. It's a bit tricky sometimes to get them to align up properly but with some tweaking it should be possible. It may be wise to scale the 2 components such that they have the same size per unit of the x-coordinate (left as an exercise).

```
plot,[1,2,1,1],xrange=[0,3],/  
xst,ystyle=8,position=[0.05,0.05,0.35,0.95]  
plot,[8,10,12],[1,2,0],xrange=[8,12],/  
xst,ystyle=4,position=[0.40,0.05,0.95,0.95],/noerase  
axis,12,0,/  
yaxis
```

Ciao,
Paolo

Subject: Re: combine subsections within xlabel
Posted by [pgrigis](#) on Wed, 09 Mar 2011 21:00:42 GMT
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On Mar 9, 3:57 pm, Paolo <pgrigis@gmail.com> wrote:

> On Mar 9, 11:03 am, ele <eise...@googlemail.com> wrote:
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>
>
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> xst,ystyle=4,position=[0.40,0.05,0.95,0.95],/noerase
> axis,12,0,/
> yaxis
>
> Ciao,
> Paolo
```

Aargh.... why google groups insist on wrapping messages so tightly?
I am going to make a test

```
123456789012345678901234567890123456789012345678901234567890
1234567890123456789012345678901234567890
```

Willing to entertain bets on where this is going to be broken up...

Ciao,
Paolo

Subject: Re: combine subsections within xlabel
Posted by [pgrigis](#) on Wed, 09 Mar 2011 21:02:48 GMT
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On Mar 9, 4:00 pm, Paolo <pgri...@gmail.com> wrote:
> On Mar 9, 3:57 pm, Paolo <pgri...@gmail.com> wrote:
>
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```

>
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```

>
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> Paolo

Hmm... even stranger....

```
12345678901234567890123456789012345678901234567890
1234567890123456789012345678901234567890
plot,[1,2,3,4,5,6,7,8,9,10,11,12],[1,2,3,4,5,6,7,8,9,10,11,12],/
xstyle,/ystyle,position=[0,0,1,1]
```

those were both on one line...

Ciao,
Paolo

Subject: Re: combine subsections within xlabel
Posted by [pgrigis](#) on Wed, 09 Mar 2011 21:04:14 GMT
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On Mar 9, 4:02 pm, Paolo <pgrigis@gmail.com> wrote:

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> xstyle,/ystyle,position=[0,0,1,1]
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> those were both on one line...
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> Ciao,
> Paolo

```

Ah! the slash (/) is used as an excuse to wrap it up....

Ciao,
Paolo

Subject: Re: combine subsections within xlabel
Posted by [rogass](#) on Fri, 11 Mar 2011 15:53:28 GMT
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On 9 Mrz., 21:57, Paolo <pgri...@gmail.com> wrote:

> On Mar 9, 11:03 am, ele <eise...@googlemail.com> wrote:

>

>

>

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>

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> xst,ystyle=4,position=[0.40,0.05,0.95,0.95],/noerase

> axis,12,0,/

> yaxis

>
> Ciao,
> Paolo

Very cool!

Cheers

CR
