
Subject: Re: I'm a beginner, IDL question plot, max_value

Posted by chris_torrence@NOSPAM on Fri, 26 Oct 2012 20:00:42 GMT

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On Thursday, October 25, 2012 5:06:18 PM UTC-6, David Fanning wrote:

> Mati writes:

>

>

>

>> I've got an ascii file with lots of rows and columns, I must select 2 columns,x and y,plot them and set max and min value to exclude bad data points.

>

>> Here is what I've made(it works,but I don't know if it's the best way to do it):

>

>>

>

>> data=read_ascii("")

>

>> x=data.field01[6,*]

>

>> y=data.field01[14,*]

>

>> plot,x,y,max_value=40,min_value=0

>

>>

>

>> the problem is: max_value and min_value gives extremes to pick up data only for y variable...how can I do to set also max_value and min_value for x???

>

>

>

> You typically set the XRange keyword to change the x values

>

> that are plotted on the plot. You have to be careful, though,

>

> since IDL will "autoscale" the axes. This is sometimes what

>

> you want and sometimes not. If you want to turn it off, you

>

> also have to set the [XY]Style keywords:

>

>

>

> cgPlot, x, y, XRange=[20,64], YRange=[0,40], XStyle=1, YStyle=1

>

>

>

> Sometimes, it is easier to just do this interactively by

>
> drawing a rubberband box around the part of the plot you
>
> want to "zoom into":
>
>
>
> cgZPlot, x, y
>
>
>
> Cheers,
>
>
>
> David
>
>
>
>
>
> --
>
> David Fanning, Ph.D.
>
> Fanning Software Consulting, Inc.
>
> Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
>
> Sepore ma de ni thue. ("Perhaps thos speakest truth.")

Or, in new graphics:

```
p = plot(findgen(100), randomu(seed,100), xrange=[10,90], yrange=[0.2,0.8])
```

:-)
