
Subject: Re: plot, xtickname

Posted by [campo9729](#) on Tue, 20 Oct 1998 07:00:00 GMT

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Harald,

Your suggestion assumes that I know ahead of time what my xaxis labels will be. I do not know this. Get_Label.pro is not a general routine. I've tried creating an x or y array with the values that I want and using nodata=1, but this creates no labels at all. This is very frustrating. I would appreciate any further help.

Regards,
Cathy

campo9729@my-dejanews.com wrote:

```
>
>> i am doing a tv command and then a plot command to create axes around
>> the image. i would like to use the plot command and exactly specify
>> the x axis tick names that i want. here is my array of xaxis names in
>> this order:
```

```
>>
>> xaxis=[0,2,4,6,20,33,40,6,9,15,25,35]
```

```
>> xaxis=string(xaxis)
```

```
>>
```

```
>> but i am unsure which keywords to use.
```

```
>> (in my case my xaxis array will be much longer, but i don't
```

```
>> even know how to do this example case.)
```

```
>
```

```
> You could use the XTICKFORMAT keyword together with the XTICKS and
```

```
> XMINOR keywords (see IDL documentation).
```

```
>
```

```
> Try the following:
```

```
>
```

```
>
```

```
;-----
```

```
> FUNCTION Get_Label, axis, index, value
```

```
>
```

```
>   xaxis=STRING([0,2,4,6,20,33,40,6,9,15,25,35])
```

```
>   RETURN, xaxis[index]
```

```
>
```

```
> END
```

```
>
```

```
>   WINDOW, XSIZE=400, YSIZE=400
```

```
>   image = DIST(300)
```

```
>   TVSCL, image, 50, 50
```

```
>   PLOT, [0], XTICKS=11, XMINOR=1, XTICKFORMAT='Get_Label', $
```

```
>       YTICKS=1, YMINOR=1, YTICKFORMAT='(A1)', $
```

> POSITION=[50,50,349,349], /NOERASE, /DEVICE
> END
> ;-----
>
> The keyword YTICKFORMAT='(A1)' suppresses the y-axis annotation.
>
> Regards,
> Harald
>
> -----
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> -----
>

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