
Subject: Re: plot, xtickname

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

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On Mon, 19 Oct 1998 17:34:51 GMT, 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

Harald Jan Jeszenszky
harald@iwf.tu-graz.ac.at

