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Subject: making a rainbow colour plot.

Posted by [Cibi Raj](#) on Mon, 20 Jul 2015 16:10:35 GMT

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Hey all, i am making a plot of pitch angle versus Eflux ( eV7sec/cm2/ster/ev) for the data obtained by Wind Spacecraft. it contains 9 plots ranging from high ev to low ev.I am using padplot\_both.pro to get it:

```
my_padplot_both,pd,UNITS='flux',EBINS=[0L,8L]
```

I wanted to get it in colour, so i loaded the color table with loadact.pro following the above command:

```
UMN> loadct,39
% LOADCT: Loading table Rainbow + white
UMN> device,decomposed=0
```

But still I couldnt get the plot in colour. Where am I doing the mistake ?

Will be helpful. thanks in advance !

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Subject: Re: making a rainbow colour plot.

Posted by [Cibi Raj](#) on Mon, 20 Jul 2015 16:29:43 GMT

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On Monday, 20 July 2015 18:10:38 UTC+2, Cibi Raj wrote:

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> Will be helpful. thanks in advance !

I also tried this UMN> my\_padplot\_both,pd,COLOR=13,UNITS='flux',EBINS=[0L,8L]

As COLOR is also a keyword for the routine. But no success.

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Subject: Re: making a rainbow colour plot.  
Posted by [Cibi Raj](#) on Mon, 20 Jul 2015 18:24:30 GMT  
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On Monday, 20 July 2015 18:29:45 UTC+2, Cibi Raj wrote:  
> On Monday, 20 July 2015 18:10:38 UTC+2, Cibi Raj wrote:  
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> As COLOR is also a keyword for the routine. But no success.

I tried to define an integer array with the color keyword, but still not helpful.

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Subject: Re: making a rainbow colour plot.  
Posted by [wlandsman](#) on Mon, 20 Jul 2015 18:48:55 GMT  
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It is not clear from your question whether you are reloading the image after running loadct  
LOADCT will not change the colors of any images that are already displayed.

<http://www.exelisvis.com/Support/HelpArticles/TabId/185/ArtM ID/800/ArticleID/4287/4287.aspx>

On Monday, July 20, 2015 at 12:10:38 PM UTC-4, Cibi Raj wrote:  
> Hey all, i am making a plot of pitch angle versus Eflux ( eV7sec/cm2/ster/ev) for the data obtained by Wind Spacecraft. it contains 9 plots ranging from high ev to low ev. I am using padplot\_both.pro to get it:  
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Subject: Re: making a rainbow colour plot.  
Posted by [Cibi Raj](#) on Mon, 20 Jul 2015 19:33:01 GMT  
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On Monday, 20 July 2015 20:48:57 UTC+2, wlandsman wrote:

> It is not clear from your question whether you are reloading the image after running loadct  
> LOADCT will not change the colors of any images that are already displayed.

>  
> <http://www.exelisvis.com/Support/HelpArticles/TabId/185/ArtMID/800/ArticleID/4287/4287.aspx>

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> On Monday, July 20, 2015 at 12:10:38 PM UTC-4, Cibi Raj wrote:  
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>> Will be helpful. thanks in advance !

thank you for the reply ! yes i later learnt that. so the routine i use itself contain a keyword for color. the routine is:

```
UMN> my_padplot_both,pd,COLOR=13,UNITS='flux',EBINS=[0L,8L]
```

Here I need to define colour as an array of long/integers specifying the colors associated with each energy bin value. So I tried :

```
UMN> my_padplot_both,pd,COLOR=INTGEN(39),UNITS='flux',EBINS=[0L,8 L]
```

But still I couldnt get the rainbow colours. Is the array of integers I defined wrong ?

By the way UMN is the university of minnesota wind software library i am using it in IDL.

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