
Subject: Re: switch colortable

Posted by [David Fanning](#) on Thu, 22 Aug 2002 12:34:42 GMT

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tom (tom2959@21cn.com) writes:

> Some the colortables(loadct,0,1...) have colors vary from some
> color(black,blue,...) to white linearly. But I hope the colortable changing
> from white to some color(black,...). Then when I plot contour, the maximum
> peaks can display clearly. How to do that then?

Here is one way:

```
TVLCT, r, g, b, /Get
TVLCT, Reverse(r), Reverse(g), Reverse(b)
```

Another way is to start XLOADCT, then grab the Stretch Top thingy and drag it all the way to the left, and drag the Stretch Bottom thingy all the way to the right. Hit the DONE button.

Cheers,

David

--

David W. Fanning, Ph.D.

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

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Subject: Re: switch colortable

Posted by [tom](#) on Fri, 23 Aug 2002 03:24:58 GMT

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Thanks. A very simple contour plot is as following:

```
levels=12
```

```
LoadCT, 0, Bottom=1, NColors=levels
```

```
; TVLCT, r, g, b, /Get
```

```
;TVLCT, Reverse(r), Reverse(g), Reverse(b)
```

```
maxp=max(peak,/nan) & minp=min(peak,/nan)
```

```
step = (Maxp - Minp) / levels
```

```
userLevels = IndGen(levels) * step + Minp
```

```
; Draw a colorbar.
```

Contour,
peak,x,y,/cell_fill,Background=white,C_Colors=Indgen(levels) +1,Levels=userLe
vels

I hope the color at maximum is black. Your suggestion seems does not help.

Tom

:MPG.17ce8849b6fe4f2e989973@news.frii.com...

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> David

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Subject: Re: switch colortable

Posted by [David Fanning](#) on Fri, 23 Aug 2002 03:48:13 GMT

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tom (tom2959@21cn.com) writes:

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> Thanks. A very simple contour plot is as following:
>
> levels=12
> LoadCT, 0, Bottom=1,NColors=levels
>   ; TVLCT, r, g, b, /Get
>   ;TVLCT, Reverse(r), Reverse(g), Reverse(b)
>
> maxp=max(peak,/nan) & minp=min(peak,/nan)
> step = (Maxp - Minp) / levels
> userLevels = IndGen(levels) * step + Minp
>   ; Draw a colorbar.
> Contour,
> peak,x,y,/cell_fill,Background=white,C_Colors=Indgen(levels) +1,Levels=userLe
> vels
>
> I hope the color at maximum is black. Your suggestion seems does not help.
```

Ah, well, you are changing the problem on me. :-)
Try this:

```
levels=12
LoadCT, 0, Bottom=1,NColors=levels
TVLCT, r, g, b, /Get
TVLCT, Reverse(r[1:12]), Reverse(g[1:12]), Reverse(b[1:12]), 1
```

Cheers,

David

--

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