Subject: Re: color and tvellipse
Posted by David Fanning on Tue, 15 Mar 2011 21:10:53 GMT
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Gray writes:

> I want to draw a number of ellipses with TVEllipse, and have the color
> of each ellipse correspond to one of the colors in a discrete
> colorbar.  I'm using CG, so I created the plot with cgPlot, /nodata...
> then I loaded the color table with cgLoadCT, and created the colorbar
> with cgDCBar.  However, when I try to use the color indices with
> TVEllipse, they all are plotted in black.  Any suggestions?
>
> Here's my code:
>
> cgplot, indgen(3), /nodata, xra=[x0,x1], yra=[y0,y1],$
>    xst=1, yst=1, charsize=1.25, xtitle='Right Ascension (hours)', $
>    ytitle='Declination (hours)', title='Survey Extent', $
>    position=[0.1,0.1,0.85,0.9]
>  for i=0,nd-1 do $
>    cgplots, ra[*,i], dec[*,i]
>  for i=0,nr-1 do $
>    cgplots, ra[i,*], dec[i,*]
>  cgloadct, 25, /brewer, ncolors=12, bottom=1
>  cgdcbar, ncolors=12, bottom=1, color='navy', $
>    labels=themonths(/abbrev),/vertical
>  for i=0,nday-1,10 do tvellipse,3,45,ra0[i],dec0[i],0,months[i],/data

I guess "months[i]" must be the "color". I don't
know what is in there, but if it is a number, I
would make it a color like this:

   color = cgColor(StrTrim(months[i],2))

Cheers,

David


--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: color and tvellipse
Posted by Gray on Tue, 15 Mar 2011 21:16:12 GMT
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On Mar 15, 5:10 pm, David Fanning <n...@idlcoyote.com> wrote:
> Gray writes:
>> I want to draw a number of ellipses with TVEllipse, and have the color
>> of each ellipse correspond to one of the colors in a discrete
>> colorbar.  I'm using CG, so I created the plot with cgPlot, /nodata...
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>>     ytitle='Declination (hours)', title='Survey Extent', $
>>     position=[0.1,0.1,0.85,0.9]
>>    for i=0,nd-1 do $
>>      cgplots, ra[*,i], dec[*,i]
>>    for i=0,nr-1 do $
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>>    cgloadct, 25, /brewer, ncolors=12, bottom=1
>>    cgdcbar, ncolors=12, bottom=1, color='navy', $
>>      labels=themonths(/abbrev),/vertical
>>    for i=0,nday-1,10 do tvellipse,3,45,ra0[i],dec0[i],0,months[i],/data
>
> I guess "months[i]" must be the "color". I don't
> know what is in there, but if it is a number, I
> would make it a color like this:
>
>    color = cgColor(StrTrim(months[i],2))
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:http://www.idlcoyote.com/
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

So cgColor can accept indices to the color table?  Coooooool.  And
yes, "months[i]" is a number from 1 to 12 (as you might expect), which
should index the color table that I loaded with 12 colors :)  I'll try
that.

Subject: Re: color and tvellipse
Posted by David Fanning on Tue, 15 Mar 2011 21:29:38 GMT
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Gray writes:

> So cgColor can accept indices to the color table?  Cooooool

cgColor is the key to the whole glorious chest of jewels. :-)

By the way, books should be here by the end of the week.
Only a few more days of the pre-publication sale!

Cheers,

David



--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: color and tvellipse
Posted by Gray on Tue, 15 Mar 2011 23:21:21 GMT
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On Mar 15, 5:29 pm, David Fanning <n...@idlcoyote.com> wrote:
> Gray writes:
>> So cgColor can accept indices to the color table?  Cooooool
>
> cgColor is the key to the whole glorious chest of jewels. :-)
>
> By the way, books should be here by the end of the week.
> Only a few more days of the pre-publication sale!
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:http://www.idlcoyote.com/
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

That did it.  Amazing!