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Subject: Re: Why the contour does not show?

Posted by [David Fanning](#) on Fri, 21 Nov 2008 19:32:49 GMT

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xiao writes:

```
> Hi~ guys. I have a problem here. I have a small program doing a
> contour plot. But is just show me the background, not the data. I
> guess there is something wrong with the colors. Can anyone help?
> Thanks
>
> lat=fltarr(75)
> lon=fltarr(75)
>
> latstep=(34.3842-31.6985)/74.0
> lonstep=(121.5581-118.3524)/74.0
>
> for i=0,74 do begin
>   lat(i)=-31.6985-i*latstep
>   lon(i)=118.3524+i*lonstep
> endfor
>
> print,max(lat),min(lat)
> print,max(lon),min(lon)
>
> device,decomposed=0
> !p.background = 255
> xs=600
> ys=600
> window,xsize=xs,ysize=ys
>
>
> contour,init,color=0,xrange=[min(lon),max(lon)],yrange=[min (lat),max
> (lat)],xtitle='longitude',ytitle='latitude',title='Sensible heat
> flux'
```

I'm going to guess this is because you are doing this in PostScript and you are drawing white on white. There are lots of articles to read on my web page about PostScript, contour plots, and colors. You are making nearly every mistake. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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Subject: Re: Why the contour does not show?

Posted by [xiao zhang](#) on Fri, 21 Nov 2008 19:48:24 GMT

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On Nov 21, 1:32 pm, David Fanning <n...@dfanning.com> wrote:

```
> xiao writes:
>> Hi~ guys. I have a problem here. I have a small program doing a
>> contour plot. But is just show me the background, not the data. I
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> I'm going to guess this is because you are doing this
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> are lots of articles to read on my web page about PostScript,
> contour plots, and colors. You are making nearly every mistake. :-)
>
> Cheers,
>
> David
> --
> David Fanning, Ph.D.
```

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

.....Hmmm.....seems it will take a lot of time for me to  
correct.... :)

---

Subject: Re: Why the contour does not show?  
Posted by [David Fanning](#) on Fri, 21 Nov 2008 20:02:07 GMT  
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xiao writes:

- > .....Hmmm.....seems it will take a lot of time for me to
- > correct.... :)

It depends on how fast you can read. :-)

I'd start here:

[http://www.dfanning.com/tips/ps\\_colorsswitch.html](http://www.dfanning.com/tips/ps_colorsswitch.html)

And then, go here:

<http://www.dfanning.com/tips/nlevels.html>

Cheers,

David

--

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

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Subject: Re: Why the contour does not show?  
Posted by [xiao zhang](#) on Fri, 21 Nov 2008 20:19:24 GMT  
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On Nov 21, 2:02 pm, David Fanning <n...@dfanning.com> wrote:

- > xiao writes:
- >> .....Hmmm.....seems it will take a lot of time for me to
- >> correct.... :)
- >
- > It depends on how fast you can read. :-)

>  
> I'd start here:  
>  
> [http://www.dfanning.com/tips/ps\\_colorswitch.html](http://www.dfanning.com/tips/ps_colorswitch.html)  
>  
> And then, go here:  
>  
> <http://www.dfanning.com/tips/nlevels.html>  
>  
> Cheers,  
>  
> David  
> --  
> David Fanning, Ph.D.  
> Fanning Software Consulting, Inc.  
> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>  
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Thanks David. These are useful. And I also found another mistake, because the X,Y range are out of the display so it does not show the data. Now, I am trying to put it in a map projection and fill the color.....

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Subject: Re: Why the contour does not show?  
Posted by [David Fanning](#) on Fri, 21 Nov 2008 20:31:36 GMT  
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xiao writes:

> Thanks David. These are useful. And I also found another mistake,  
> because the X,Y range are out of the display so it does not show the  
> data. Now, I am trying to put it in a map projection and fill the  
> color.....

Well, more pitfalls (and reading) then:

[http://www.dfanning.com/color\\_tips/fill\\_colors.html](http://www.dfanning.com/color_tips/fill_colors.html)

Cheers,

David

--

David Fanning, Ph.D.  
Fanning Software Consulting, Inc.  
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>  
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