
Subject: Re: Contour Plot w/ Colorbar

Posted by [David Fanning](#) on Tue, 01 Feb 2011 15:24:21 GMT

[View Forum Message](#) <> [Reply to Message](#)

Ammar Yusuf writes:

> Here's a picture I have: <http://i.imgur.com/9tmJ2.png>. It's of a
> contour with the color on the side vertically. The problem I'm having
> is that the numbers are not showing up on the colorbar and they cut
> off when I pull up the postscript file to excel. Here are the relevant
> calls that I'm making in IDL.

You just need to leave more room for your colorbar.

Move every thing over to the left. :-)

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: Contour Plot w/ Colorbar

Posted by [Ammar Yusuf](#) on Tue, 01 Feb 2011 15:38:07 GMT

[View Forum Message](#) <> [Reply to Message](#)

> You just need to leave more room for your colorbar.

> Move every thing over to the left. :-)

>

> 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.")

Yea I tried changing the position but then it's starting to make the colorbar really thin and I still couldn't get all the numbers inside.

Is there anyway to increase the box or something that it plots the

postscript file to?
Thanks.

Subject: Re: Contour Plot w/ Colorbar
Posted by [David Fanning](#) on Tue, 01 Feb 2011 15:40:35 GMT
[View Forum Message](#) <> [Reply to Message](#)

Ammar Yusuf writes:

- > Yea I tried changing the position but then it's starting to make the
- > colorbar really thin and I still couldn't get all the numbers inside.
- > Is there anyway to increase the box or something that it plots the
- > postscript file to?

Why don't you try moving the contour plot to the left,
so you have more room for the colorbar? Move **everything**
to the left!

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: Contour Plot w/ Colorbar
Posted by [David Fanning](#) on Tue, 01 Feb 2011 15:44:43 GMT
[View Forum Message](#) <> [Reply to Message](#)

Ammar Yusuf writes:

- > Yea I tried changing the position but then it's starting to make the
- > colorbar really thin and I still couldn't get all the numbers inside.
- > Is there anyway to increase the box or something that it plots the
- > postscript file to?

Because you are positioning your contour plot and the
color bar in normalized coordinates, it doesn't matter
HOW big the PostScript "box" is, the color bar isn't
going to fit. You are just going to have to give it
more room. :-)

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: Contour Plot w/ Colorbar

Posted by [Ammar Yusuf](#) on Tue, 01 Feb 2011 17:02:35 GMT

[View Forum Message](#) <> [Reply to Message](#)

On Feb 1, 10:40 am, David Fanning <n...@dfanning.com> wrote:

> Ammar Yusuf writes:

>> Yea I tried changing the position but then it's starting to make the

>> colorbar really thin and I still couldn't get all the numbers inside.

>> Is there anyway to increase the box or something that it plots the

>> postscript file to?

>

> Why don't you try moving the contour plot to the left,

> so you have more room for the colorbar? Move *everything*

> to the left!

>

> 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.")

Yea I'm not sure how I would do that. I'm assuming positioning but not sure exactly what to position. I have this code now:

```
contour, data, x, y, max_value = max_bright, min_value = min_bright, $  
  /Fill, C_Colors = indgen(levels), background = 1, xstyle = 4, $  
  ystyle = 4, levels = userLevels, /normal, color = black, $  
  Position = [0.001, 0.1, 0.75, 0.80]
```

```
colorBar, NColors=levels, divisions=6, Range = [min_data, max_data], $
```

```
format='(I5)', Position = [0.80, 0.10, 0.81, 0.90], Color = black,  
$  
/vertical, /right
```

The contour image looks a little distorted and I got the color bar in the box with numbers but it's really thin.

Also you mentioned something about normalized coordinates in your next post. Is there another type of positioning?

Thanks.

Subject: Re: Contour Plot w/ Colorbar
Posted by [David Fanning](#) on Tue, 01 Feb 2011 17:26:14 GMT
[View Forum Message](#) <> [Reply to Message](#)

Ammar Yusuf writes:

> Also you mentioned something about normalized coordinates in your next
> post. Is there another type of positioning?

Not really, no.

I would do something like this:

```
data = LoadData(2)  
CTLoad, 33  
FSC_Contour, data, NLevels=12, /FILL, $  
    Position=[0.1, 0.1, 0.82, 0.9], /Window  
FSC_Contour, data, /Overplot, Color='gray', /AddCmd  
FSC_Colorbar, /Vertical, /Right, Divisions=5, $  
    Range=[Min(data),Max(data)], $  
    Position=[0.85, 0.1, 0.89, 0.9], /AddCmd
```

Then, just choose the Send to PostScript button and your PostScript output will look identical to what you see on the display. :-)

You can find all the Coyote Library files you need here:

<http://www.idlcoyote.com/programs/coyoteprograms.zip>

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: Contour Plot w/ Colorbar
Posted by [Ammar Yusuf](#) on Wed, 02 Feb 2011 00:31:39 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Feb 1, 12:26 pm, David Fanning <n...@dfanning.com> wrote:

> Ammar Yusuf writes:
>> Also you mentioned something about normalized coordinates in your next
>> post. Is there another type of positioning?
>
> Not really, no.
>
> I would do something like this:
>
> data = LoadData(2)
> CTLoad, 33
> FSC_Contour, data, NLevels=12, /FILL, \$
> Position=[0.1, 0.1, 0.82, 0.9], /Window
> FSC_Contour, data, /Overplot, Color='gray', /AddCmd
> FSC_Colorbar, /Vertical, /Right, Divisions=5, \$
> Range=[Min(data),Max(data)], \$
> Position=[0.85, 0.1, 0.89, 0.9], /AddCmd
>
> Then, just choose the Send to PostScript button and
> your PostScript output will look identical to what
> you see on the display. :-)
>
> You can find all the Coyote Library files you need
> here:
>
> <http://www.idlcoyote.com/programs/coyoteprograms.zip>
>
> 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.")

Hi David,

I did that but I got this error: <http://i.imgur.com/6R6Mr.png>.
Then what happened after I clicked okay was it started opening up windows continuously on taskbar and it would not stop.
It just kept going and I had to hit stop through IDL but even that took a while and made my computer go very slow.
I was just wondering if this is a bug that I encountered. I did download your library 2 days ago but I know you're making updates. Thanks!
