Subject: Re: Contour Plot w/ Colorbar
Posted by David Fanning on Tue, 01 Feb 2011 15:24:21 GMT
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## 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

Subject: Re: Contour Plot w/ Colorbar
Posted by David Fanning on Tue, 01 Feb 2011 15:40:35 GMT
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## 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

--

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Subject: Re: Contour Plot w/ Colorbar
Posted by David Fanning on Tue, 01 Feb 2011 15:44:43 GMT
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## 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/

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Subject: Re: Contour Plot w/ Colorbar
Posted by Ammar Yusuf on Tue, 01 Feb 2011 17:02:35 GMT
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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
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## 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.
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Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Posted by Ammar Yusuf on Wed, 02 Feb 2011 00:31:39 GMT

Subject: Re: Contour Plot w/ Colorbar

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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!