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Subject: Re: Contour plots and colorbars to compare different images

Posted by [David Fanning](#) on Tue, 12 Feb 2013 19:38:40 GMT

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Astro-locas writes:

- > I tried to see if an answer was already provided to my question but did not find it...
- >
- > What I'm willing to do is to compare contour plots whose values are always in the range 0-1.
- >
- > I need for the various images the same color bar, so the different contours can be compared just at a glance.

Well, this is the normal way things are done. If you use the same contour levels for each of your contour plots, and your colorbar reflects those levels, the job is done.

What are you doing that is causing you a problem?

You can see all kinds of contour plots with color bars in the Coyote Plot Gallery:

<http://www.idlcoyote.com/gallery/>

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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

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Subject: Re: Contour plots and colorbars to compare different images

Posted by [Astro-locas](#) on Wed, 13 Feb 2013 10:14:45 GMT

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Maybe I did not express myself correctly...

The data are always in the range 0-1, but in some images they stop at 0.1, in other at 0.7... And I'm using iconour, where I did not find the way to insert the levels...

Il giorno martedì 12 febbraio 2013 20:38:40 UTC+1, David Fanning ha scritto:

> Astro-locas writes:

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> David  
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>  
> David Fanning, Ph.D.  
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Subject: Re: Contour plots and colorbars to compare different images  
Posted by [David Fanning](#) on Wed, 13 Feb 2013 13:16:58 GMT  
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Astro-loca writes:

> I tried to see if an answer was already provided to my question but did not find it...  
>  
> What I'm willing to do is to compare contour plots whose values are always in the range 0-1.  
>  
> I need for the various images the same color bar, so the different contours can be compared just at a galnce.

I put a Small Multiples Contour Plot in the Coyote Plot Gallery to show you how this can be done:

<http://www.idlcoyote.com/gallery/>

Cheers,

David

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

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Subject: Re: Contour plots and colorbars to compare different images  
Posted by [DavidF\[1\]](#) on Wed, 13 Feb 2013 14:50:37 GMT  
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Astro-locas writes:

> Maybe I did not express myself correctly...

>

> The data are always in the range 0-1, but in some images they stop at 0.1, in other at 0.7...

Yes, this is what I meant, too.

> And I'm using `icontour`, where I did not find the way to insert the levels...

Sorry, but I don't know anything about `iContour`. :-)

Cheers,

David

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