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Subject: Re: Using OOB Colors with Filled Contour Plots  
Posted by [David Fanning](#) on Mon, 23 Apr 2012 22:22:48 GMT  
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Matteo writes:

> thanks this is helpful! In the tutorial it might be beneficial to  
> substitute:  
> Levels=[Min(data),levels]  
> with:  
> Levels=[Min(data)-1,levels]  
> or something like that. This way, the code works regardless of whether  
> we have OOB values. In a situation where min(data) is the first level,  
> a situation of the kind levels=[ 0.0, 0.0, ...] is created, which  
> cannot be contoured.  
>  
> Am I right?

Well, I'm not sure. I almost always have Min(data) as the first contour level, because I don't like the background color "showing through" my contour plot. And, which color "shows through" depends on whether you are using the FILL or CELL\_FILL keyword, which also bothers me.

You have to be a little careful about subtracting 1 in a general case like this. It works with most "reasonable" data, but always seems to fail when you work with real-world data or are giving an important demo of your software. Better to have a firm theoretical understanding of why you are doing what you are doing! ;-)

> (one of the "TVLCT" commands is also misspelled)

Humm. Thought I fixed that. Maybe I didn't upload the fixed version. I'll check.

Thanks!

David

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Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>  
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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