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Subject: Re: problems with contouring in a for loop  
Posted by [maarten](#) on Thu, 02 Sep 2004 10:45:28 GMT  
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Mick Pope wrote:

> Hi David,  
>  
> there seems to be a problem if I had an array and I want to contour say  
> array(0,\*,\*). If I plot this outside of the loop by specifying my ith  
> position explicitly, and then loop from 1,n-1 then I am ok! Wierd.  
>  
> I've also had issues doing the following  
>  
> plot a map projection  
> plot shaded contours  
> plot line contours  
> plot the map again (since it is erased - even with /noerase)  
>  
> Finally, by using /advance and !p=, etc... I worked it out! Nothing  
> complicated is ever simple!  
>  
> Cheers  
>  
> Mick....  
>  
> "David Fanning" <davidf@dfanning.com> wrote in message  
> news:MPG.1ba034286801fbf2989876@news.frii.com...  
>  
>> Mick Pope writes:  
>>  
>>  
>>> I have this wierd problem with for loops. I have a 3D array of data and  
>>  
> I  
>  
>>> want to plot 2D slices using a for loop and then contour the array.  
>>  
> Guess  
>  
>>> what - it tells me that Array dimensions must be greater than 0.  
>>>  
>>> So I take a 2D array and substitute it for my reduced 3D array, inside  
>>  
> the  
>  
>>> for loop. Same error message!!!!  
>>>  
>>> What gives?

```
>>
>> I'd guess you have an extra dimension of 1 hanging
>> around, but it is hard to say without seeing some code.
>> A "HELP, array2D" before the contour command might
>> help. :-)
>>
>> Cheers,
>>
>> David
>> --
>> David Fanning, Ph.D.
>> Fanning Software Consulting, Inc.
>> Coyote's Guide to IDL Programming: http://www.dfanning.com/
>
>
>
```

A simple contour( reform(array[i,\*,\*]) ) should do the trick.  
good luck, maarten

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