
Subject: Re: problems with contouring in a for loop
Posted by [David Fanning](#) on Thu, 02 Sep 2004 02:32:31 GMT
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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/>

Subject: Re: problems with contouring in a for loop
Posted by [Mick Pope](#) on Thu, 02 Sep 2004 05:39:33 GMT
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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:

>

>>

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> Cheers,

>

> David

> --

> David Fanning, Ph.D.

> Fanning Software Consulting, Inc.

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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
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```

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>
> Mick....
>
> "David Fanning" <davidf@dfanning.com> wrote in message
> news:MPG.1ba034286801fbf2989876@news.frii.com...
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>> Mick Pope writes:
>>
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>>
>> 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
