
Subject: Re: how to get the data from the contour line?
Posted by [Craig Markwardt](#) on Wed, 20 Apr 2005 01:58:58 GMT
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"lixiaoyao" <lixiaoyao5880@yahoo.com> writes:

- > hello all
- > I have a file like this to draw the contour using IDL.my probelm is
- > how to get the data for the contour level is equal to 1.2 case?
- > who can help me for this question?

How about reading the documentation for CONTOUR and the keywords
beginning in PATH?

Craig

```
> set_plot,'ps',/copy
> device,filename='isothermal.ps'
> device,/landscape
> ;window,xs=640,ys=480
> x=2*findgen(101)/100+0.2
> y=2*findgen(101)/100+0.2
> xx=rebin(x,n_elements(x),n_elements(y))
> yy=rebin(transpose(y),n_elements(x),n_elements(y))
> ;shade_surf,(exp(2*alog(yy)+1/yy))/(exp(xx^2)-alog(xx)),xx,y y
> ;contour,(exp(2*alog(yy)+1/yy))/(exp(xx^2)-alog(xx)),yy,xx
> shade_surf,exp(xx^2/2-alog(xx))/(exp(2*alog(yy)+1/yy)),yy,xx ,xtitle= "Dimensionless
> Radius in log scale",ytitle="Mach number in log scale"
> contour,exp(xx^2/2-alog(xx))/(exp(2*alog(yy)+1/yy)),yy,xx,le
> vel=[0.4,0.6,0.892521,1.2,1.4],/xlog,/ylog,xtitle= "Dimensionless
> Radius",ytitle="Mach number",title="Isothermal case"
>
```

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Craig B. Markwardt, Ph.D. EMAIL: craigmnet@REMOVEcow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response

Subject: Re: how to get the data from the contour line?
Posted by [lixiaoyao](#) on Wed, 20 Apr 2005 03:05:44 GMT
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so,can you tell me how to it in detail?
Thanks

Subject: Re: how to get the data from the contour line?
Posted by [Craig Markwardt](#) on Wed, 20 Apr 2005 03:51:40 GMT
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"lixiaoyao" <lixiaoyao5880@yahoo.com> writes:
> so,can you tell me how to it in detail?

Yes, you open the documentation, and search for the procedure CONTOUR.
Then you look for the keywords starting with the phrase PATH.

CM

Subject: Re: how to get the data from the contour line?
Posted by [David Fanning](#) on Wed, 20 Apr 2005 05:11:23 GMT
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Craig Markwardt writes:

> "lixiaoyao" <lixiaoyao5880@yahoo.com> writes:
>> so,can you tell me how to it in detail?
>
> Yes, you open the documentation, and search for the procedure CONTOUR.
> Then you look for the keywords starting with the phrase PATH.

What a fortuitous day to retire! :-)

Cheers,

David

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David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
