
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 problem 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*log(yy)+1/yy))/(exp(xx^2)-log(xx)),xx,y y
> ;contour,(exp(2*log(yy)+1/yy))/(exp(xx^2)-log(xx)),yy,xx
> shade_surf,exp(xx^2/2-log(xx))/(exp(2*log(yy)+1/yy)),yy,xx ,xtitle= "Dimensionless
> Radius in log scale",ytitle="Mach number in log scale"
> contour,exp(xx^2/2-log(xx))/(exp(2*log(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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