Subject: Re: how to use MIN_CURVE_SURF when CONTOUR Posted by Jean H. on Mon, 17 Sep 2007 15:48:43 GMT

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```
gunjie0111@163.com wrote:
> hello!
> my data is data(144,73).
> longitude: lon = indgen(144)*2.5
> latitude: lat = indgen(73)*2.5-90.
> Before I CONTOUR it,I want to smooth the data ,using the function
> MIN_CURVE_SURF.MY code is:
> smoothdata=MIN_CURVE_SURF(data,xvalues=lon,yvalues =lat,gs= , $
> [1.0,1.0],bounds=[0,-90,359,90],/sphere,/TPS)
You have a problem here..
gs=, $
[1.0, 1.0]
you have a useless comma... so basically, gs is nothing, and maybe it is
the source of your problem..
Jean
> But, after runing, there are some errors:
> Attempt to subscript P3 with J is out of range.
> Error occurred at: MIN CURVE SURF 310 D:\RSI\IDL63\lib
> \min curve surf.pro
> ZONAL_MEAN_DATA 45 E:\DATA\ECMWF\zonal_mean_data.pro
> $MAIN$
> Execution halted at: ZONAL_MEAN_DATA 45 E:\DATA\ECMWF
> \zonal_mean_data.pro
> Program caused arithmetic error: Floating illegal operand
> I don't know how to correct them, please help me! thanks!
```

Subject: Re: how to use MIN_CURVE_SURF when CONTOUR Posted by qunjie0111 on Tue, 18 Sep 2007 12:56:13 GMT

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Thanks Jean H.

> zuogunjie

smoothdata=MIN_CURVE_SURF(data,xvalues=lon,yvalues=lat,gs=[1 .0,1.0],bounds=[0,-90,359,90],/ sphere)

I changed them in this way, but the errors remain!

Thanks again for answering my question!

Subject: Re: how to use MIN_CURVE_SURF when CONTOUR Posted by Tal on Tue, 25 Sep 2007 08:17:07 GMT

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Hi Zuoqunjie,

I tried different combinations of this routine with your data. no success.

however, this could be a bug at the min_curve_surf.pro in the lib subdirectory of the IDL distribution (see line 310).

This looks to me as the source of the problem as far as i understand, but does not make much sense. Maybe playing with xgrid, ygrid instead of xvalues,yvalues will help.

When all else fails try also the ENVI support team (support@ittvis.com).
I'll be happy to know what the answer was.

Good luck, Tal

Subject: Re: how to use MIN_CURVE_SURF when CONTOUR Posted by qunjie0111 on Wed, 26 Sep 2007 01:44:48 GMT View Forum Message <> Reply to Message

Thanks Tal

I tried it in your way:using xgrid, ygrid.

But the errors all the same!

Gloomy! I have no choice but to use the SMOOTH function. I hope the

IDL team can solve this problem as soon as possible!

Thanks Tal again for answering my question!