
Subject: Re: problem of contour
Posted by [ben.bighair](#) on Sun, 23 Mar 2008 20:35:04 GMT
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On Mar 22, 12:30 am, wfz...@bjmb.gov.cn wrote:

>
>
>
>> Hi, all
>> I meet a strange problem,when I use the contour procedure to generate
>> precipitation contour plot,the total AWS stations is about 24, just
>> one has rainfall at 0.6mm,others are zero.
>> so I use this data and a contour plot can be created(around this
>> station with 0.6mm rainfall, there is few station)
>
>> but if the total stations is about 150, and the same situation that
>> only this station has 0.6mm rainfall, there will be no contour plot,
>> which means the whole map will be the same colors presenting zero. the
>> distribution of stations' location is not even, some places are many
>> stations ,some are not. but around this station with 0.6mm rainfall
>> there are many stations.
>
>> by the way, my color table scale is like '0,0.2,1,2,...'
>> so anyone can tell me what happen?
>
> Hi,all
>
> I know what happen, when I use the procedure'griddata', the keyword
> 'smoothing' is 0.05 (I specify it),so the contour plot is nothing,when
> I change it to 0.01,the contour plot is correct.
> then I check the help information about smoothing, just few
> information
>
> so I want to know , in the griddata procedure, for the Inverse
> Distance method, how to specify the smoothing keyword correctly?
>
> thanks
> wenfang

Hi Wenfang,

I think you are not getting a response from the group (which is very responsive) because of the way you have framed your question. There isn't anything easy to framing a question well - it takes a lot of time - and sometimes the solution appears even as you compose the question! YeeHa!

I happened to have questions about GridData a short while ago (see <http://tinyurl.com/2w5d2h>) , and I got many productive responses. I think I got good responses because I made it as easy as I could on the newsgroup readers to help - an short reproducible example, a description of how I knew the results were "wrong", etc.

Anyway, the short of it is I would love to help, but I can't penetrate the issue because you have unveiled the problem in a way I can understand.

The one thing I can say is that I agree, the documentation for the SMOOTH keyword to GridData is not helpful. There doesn't seem to be any reference cited for this method, but this might be a good start...

http://en.wikipedia.org/wiki/Inverse_distance_weighting

Cheers,
Ben
