
Subject: Re: Interpolation and creating profiles from contour maps.

Posted by [gpeterso](#) on Fri, 22 Mar 2013 20:36:57 GMT

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On Friday, March 22, 2013 11:56:39 AM UTC-7, gpet...@ucsc.edu wrote:

> I have a very large 2d data array 824 by 912 of elevation points. I have successfully contoured it and I am wondering if anyone has any advice on how to create profiles using the interpolate command of areas on the contour map I find specifically interesting. My data goes from 0-90s latitude and 270-360 longitude.

To specify even more I think I have written a code that will create an image profile I am just confused on how to actually specify the beginning and endpoints along the line.

Subject: Re: Interpolation and creating profiles from contour maps.

Posted by [Kenneth Bowman](#) on Tue, 26 Mar 2013 15:42:47 GMT

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On 2013-03-22 18:56:39 +0000, gpeterso@ucsc.edu said:

> I have a very large 2d data array 824 by 912 of elevation points. I
> have successfully contoured it and I am wondering if anyone has any
> advice on how to create profiles using the interpolate command of areas
> on the contour map I find specifically interesting. My data goes from
> 0-90s latitude and 270-360 longitude.

Once you figure out how the keyword parameters work, you can use MAP_2POINTS to generate an equally-spaced line of points along a great circle arc. Then use INTERPOLATE to interpolate to those points. You can use the CURSOR procedure to interactively select the end points of the arc.

Ken Bowman
