
Subject: Re: contour and points

Posted by [Andy Heaps](#) on Wed, 29 Jun 2011 11:43:39 GMT

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Hi Gray,

as Wox says you need to check what the value is at that point. If you don't have a value for the point in question i.e. it isn't one of the grid points you used for cgcontour then you'll have to do some interpolation to find the value at that point.

A user of mine came to me with a similar problem: how do I find whether a point is inside a country outline? Her example was Norway. I suggested that she plots the points by number and sees which points are within the outline of Norway. As she was just using one set of points and one country this is easier to do by eye. If you have multiple countries and/or grid points to check this method is too laborious. For the generalised case I'd open a Z buffer image plot, plot and fill the country and then check whether your point was the filled colour or background colour.

Cheers
Andy

On 28/06/11 11:10, Gray wrote:

> Hi all,
>
> What's the easiest/best way to determine which of a set of points is
> inside a contour (created with cgcontour)? Thanks!
>
> --Gray
