
Subject: Re: GetValueAtLocation() method
Posted by [David Fanning](#) on Wed, 12 Jun 2013 13:19:24 GMT
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markjamie@gmail.com writes:

> So, assuming it can't deal with negative axes and the problem is not me using the method incorrectly, what is the best way to extract the values along an arbitrary line across a surface (z) with defined x and y axes?

Well, I haven't ruled out you using the method incorrectly. I haven't had time to actually fool with this yet. I'm just not surprised you are running into a problem. :-)

> With a list of x and y values, can interpolate or interpol be used to provide the corresponding z values from the surface?

Assuming you can locate two points on the surface, I think some variation of the interpolation algorithm in the following article could be devised to come up with the values you are looking for.

http://www.idlcoyote.com/ip_tips/image_profile.html

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
Sepore ma de ni thue. ("Perhaps thou speakest truth.")
