
Subject: Re: Finding distance with longitude and latitude
Posted by [David Fanning](#) on Tue, 16 Apr 2013 16:23:15 GMT
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gpeterso@ucsc.edu writes:

> Thanks david, would you have any idea how to use the newfound distance to then graph the contour profile with?

Well, to be honest, I don't think I care about the distance at all if "graphing" the contour profile is what I am after. Maybe I would use it to label the graph.

I would probably display the great circle distance on the map by just putting the profile on the map with cgPlotS, using the latitude and longitude values you calculated, perhaps color coded with elevation values. If I wanted to show more detail, I might add a plot of the contour values at your profile locations just above the map.

I would also never write this program so that it has to use the Cursor command. I'd write it as a widget program. This would make things *so much* easier when you wanted to display the map and the contour profile together in the same window. You could toggle between the map and the map with contour profile, allow the user to draw multiple contour profiles, and just generally have a LOT more control over what is happening in your program. :-)

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.")
