
Subject: Re: intersection of two tracks(lat,lon)
Posted by [Kai Muehlbauer](#) on Mon, 21 Feb 2011 07:59:37 GMT
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Hi all,

Am 17.02.2011 09:22, schrieb Kai Muehlbauer:

> Unfortunately, this is only for X,Y-space. What can I do, if the 3rd
> dimension (height) should also be processed?

my thanks to Guillermo and also Ken for sharing your ideas.

Actually I do (as Guillermo suggested) check the heights of the two tracks at intersection point. This is sufficiently fast and suits fine.

Also Kens suggestion of a brute force solution finding the distances for every pair of points is interesting. As I'm not an idl-expert I appreciate some coding-help at this point. I found that I could use `DISTANCE_MEASURE`, but it has only one array as input argument. So I have to concatenate my two (x,y,z)-tracks and after processing extract the interesting indices from the output array/matrix. Then I have to sort, to find the shortest distance (or do some more sophisticated) and possible local minima.

Cheers,
Kai
