
Subject: Re: intersection of two tracks(lat,lon)

Posted by guillermo.castilla.ca on Mon, 21 Feb 2011 14:05:29 GMT

[View Forum Message](#) <> [Reply to Message](#)

> Am 17.02.2011 09:22, schrieb Kai Muehlbauer:

>

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

Then why make it complicated by going for the brute force solution??

The latter would only make sense if your tracks consisted of GPS waypoints measured say every millisecond. Otherwise the fact that two waypoints from different tracks are close (i.e., a local minimum in the distance array) is no guarantee that the tracks actually intersect (they could run in parallel and be a narrowing in that section).

Conversely, if the tracks are measured at different time lags, or if the objects have very different speed, an intersection does not need to translate into a local minimum in the distance array (the waypoints could be far away from the intersection). So the fact that you are still considering the other solution makes me curious, what in earth are you tracking??

Cheers

Guillermo
