Subject: Re: how to calculate distance from pairs of latitude/longitude measurements?

Posted by natha on Wed, 11 Mar 2009 20:21:21 GMT

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I tried the following formula I found in your link:

Distance between points

The great circle distance d between two points with coordinates {lat1,lon1} and {lat2,lon2} is given by:

d=acos(sin(lat1)*sin(lat2)+cos(lat1)*cos(lat2)*cos(lon1-lon2))

A mathematically equivalent formula, which is less subject to rounding error for short distances is:

 $d=2*asin(sqrt((sin((lat1-lat2)/2))^2 + cos(lat1)*cos(lat2)*(sin((lon1-lon2)/2))^2))$

the result is 0.8777. 0.8777 distance from montreal to albany ????

Doesn't works!