Subject: Re: Finding distance with longitude and latitude
Posted by wlandsman on Sun, 14 Apr 2013 23:45:40 GMT
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On Sunday, April 14, 2013 7:22:44 PM UTC-4, gpet...@ucsc.edu wrote:

> a=sqrt((cos(lat2)*sin(dlon))^2 + (cos(lat1)*sin(lat2)-sin(lat1)*cos(lat2)*cos(dlon))^2)/(sin(lat1)*sin(lat2)+cos(lat1)*cos(lat2)*cos(dlat))

c= atan(a)

The Wikipedia article you quote says
"When programming a computer, one should use the atan2() function rather than the ordinary arctangent function (atan()), in order to simplify handling of the case where the denominator is zero, and to compute \Delta\widehat{\sigma}\;\! unambiguously in all quadrants"