**Great Circle Distance**

Given the longitude and latitude of two points on a sphere, find the geodesic distance ( curved distance ) between the two points.

**Haversine Formula**

Let (lat1,long1)(lat1,long1) be the first point, (lat2,long2)(lat2,long2) be the second point and rr be the radius of the sphere.

dlon=long2−long1

dlat=lat2−lat1

a=sin(dlat2)×sin(dlat2)+cos(lat1)×cos(lat2)×sin(dlon2)×sin(dlon2)

d=r×c

where, d is the Great Circle Distance