

## HAVERSINE PROGRAM FOR CASIO FX7400G+

Calculates Great Circle azimuth and distance between 2 known points on the Earth's surface: (Lat1, Long1) & (Lat2, Long2).

Latitudes are Positive North, Negative South.

Longitudes are Positive East, Negative West.

Latitude 52 01 17N =  $52^{\circ}1^{\circ}17^{\circ}$

Latitude 23 34 45S =  $-23^{\circ}34^{\circ}45^{\circ}$  (Enter negative only at the degree part)

Longitude 02 13 18E =  $02^{\circ}13^{\circ}18^{\circ}$

Longitude 12 14 54W =  $-12^{\circ}14^{\circ}54^{\circ}$

Since the bearing along a Great Circle is not constant, the program calculates the Starting bearing and the Final bearings that are required to follow the shortest route.

The distance between the points is calculated in Kilometres and Miles.

Hint: The shortcut to the "deg" ( $^{\circ}$ ) symbol is: [OPTN], [►], [F2], [►], [F1]

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