Subject: Re: Calculation of Intersection on Map
Posted by Bruce Bowler on Wed, 14 Jul 2010 12:01:22 GMT
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On Tue, 13 Jul 2010 23:55:55 -0700, bjkuk set fingers to keyboard and typed:

> Dear All,
> I am looking for pre-made routine or proramming tips to get
> intersection. I would like to calculate intersection from given two
> positions(A and B)
>
> If we know Latitude and Longitude of Point-A and Point-B, also the
> azimuth angles of Point-A and Point-B from the North. if azimuth angles
> is not parellel, those two lines will be cross. This triangulation
> mathmatics looks simple. however it is not easy to make code. How do I
> calcuate this intersection point (cross point) precisely? or Is there
> any pre-made routine?
>
>
> Sincerely Yours
> B.J.Kuk

When ever I need formulae regarding navigation, I head to this website...

http://williams.best.vwh.net/avform.htm

I suspect you want the link that points to "Intersection of two radials"

Bruce

Subject: Re: Calculation of intersection on map
Posted by Kenneth P. Bowman on Wed, 14 Jul 2010 13:49:01 GMT
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In article <780593a9-2c5b-44fe-9905-d3a06c89c436@i18g2000pro.googlegroups.com>, bjkuk <bjkuk12@gmail.com> wrote:

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Have a look at "Intersection of two paths given start points
and bearings" on this page

http://www.movable-type.co.uk/scripts/latlong.html

BTW, the bearing lines always intersect,even if the azimuth
angles are the same. A proper bearing line follows a great
circle. On a sphere, great circles either are
the same circle, or they intersect at two antipodal points.

Ken Bowman

Subject: Re: Calculation of intersection on map
Posted by bjkuk on Wed, 14 Jul 2010 23:14:27 GMT
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> In article
> < 780593a9-2c5b-44fe-9905-d3a06c89c...@i18g2000pro.googlegroup s.com >,
>
> bjkuk <bjku...@gmail.com> wrote:
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> the same circle, or they intersect at two antipodal points.
>
> Ken Bowman

Thanks lot Ket Bowman.
The site you mentioned is very useful for me.

B.J. Kuk

Subject: Re: Calculation of Intersection on Map
Posted by bjkuk on Wed, 14 Jul 2010 23:15:52 GMT
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>
> I suspect you want the link that points to "Intersection of two radials"
>
> Bruce

Bruce!
Thank you for web-site introducing. I referred it.

B.J. Kuk
