
Subject: Re: CALCULATION OF AREA ON A SPHERE
Posted by [Craig Markwardt](#) on Tue, 22 Feb 2000 08:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

Med Bennett <mbennett@indra.com> writes:

> This is an interesting problem and I was hoping that someone would have
> provided a slick answer by now. I started searching the Web and came up
> with the following. It seems as though you could triangulate your points
> and then use the theorem presented below:
> [... deleted ...]

This was discussed a little bit in August 1999 (see "area enclosed by a polygon on a sphere" on www.deja.com). The tricky part of course is computing the correct angles. Struan Gray wondered if there was a utility routine in the idlastro library which could help.

Try GCIRC of idlastro, but also these two from the "JHU/APL/S1R usr Library".

SPHGC Find intersections of two great circles on sphere.
SPHIC Compute intersection points of two circles on a unit sphere.

I found these here:
<http://www.astro.washington.edu/deutsch/idl/>

Craig

P.S. A little research is all it takes!

--

Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
