
Subject: Re: Understanding IDLanROI

Posted by [David Fanning](#) on Tue, 19 Oct 2010 21:02:22 GMT

[View Forum Message](#) <> [Reply to Message](#)

Kelly writes:

> When I tried to use the US shapefile in IDLanROI (and IDLgrROI) there
> was a line running across the United States from the Northeast to
> Hawaii. Using IDLanROI, some States above this line were considered
> exterior polygons. See my original post. :(After tessellating, the
> line from the Northeast to Hawaii is gone, so all the States that fall
> in the United States polygon are considered interior polygons. :)

Ah, ha! Some real world data has somehow slipped into
the normally quite vanilla example data sets! Good to know.
Thanks for tracking this down.

> Your right, IDLgrROI inherits IDLanROI, thus allowing IDLgrROI to use
> IDLanROI classes, like ->ContainsPoints().
>
> IDLgrTesselator is an IDLgr object class, thus I recommend the use of
> the IDLgr classes IDLgrROI and IDLgrROIGroup. I haven't tried, but I
> may at a later date to see if just the IDLanROI and IDLanROIGroup will
> give the desired results.

I didn't have time to check this today, but my
understanding is that IDLanROI is the "brains" of the
outfit, and IDLgrROI is the "muscle". In other words,
one is use for analysis, and the other is used for graphics.
I would be surprised if IDLanROI is not perfect for the job,
once the tessellation issue is out of the way.

Thanks for the update. Very informative and helpful.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
