
Subject: Re: Area intersection of two trapezoids with given coordinates

Posted by [David Fanning](#) on Mon, 19 Nov 2007 03:27:57 GMT

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mrosimmel@gmail.com writes:

> I was wondering if there is a function in IDL that I can find the
> intersection area of two trapezoids with given corner coordinates.
> Briefly I have two trapezoids where the first one has corners of
> (x1,y1), (x2,y2), (x3,y3), (x4,y4) and the second one has corners of
> (a1,b1), (a2,b2), (a3,b3), (a4,b4)...I know ARCGIS has such functions
> (like union/intersection).. If not could anyone have an idea how can I
> do it in IDL?

If these trapezoids have to do, for example, with
images, you can use POLYFILLV to get a list of
all the vertices inside them. Then you can perform
set operations on the vertices:

http://www.dfanning.com/tips/set_operations.html

Cheers,

David

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

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