
Subject: Re: Cutting/Exclude ROI's based on overlapping
Posted by [David Fanning](#) on Sat, 27 Jan 2007 23:51:46 GMT
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Erik writes:

- > I have some problems with a ROI based program. I want to cut/exclude
- > some parts of the ROI's when the ROI is overlapped by another ROI in
- > the same draw widget.
- >
- > As you will know the ROI Data is built like this [<number of
- > dimensions>, <corresponding coordinate>]. I use the IDLgrROI object to
- > draw and manage my ROI's.
- >
- > Is there any method to cut/exclude some parts of a ROI based on
- > coordinates or other ROI's in a easy way? All info about excluding
- > areas in ROI's will be appreciated!!

This is not a totally trivial problem, but it is well-known.
I don't know of any publicly available IDL solutions. But
a quick Google search of "intersecting polygons" will give
you lots of ideas. Note that you can find the convex hull
of a polygon with the TRIANGULATE procedure:

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

Cheers,

David

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