
Subject: confused about usage of IDLanROI in Itools
Posted by [TonyLanz](#) on Mon, 12 May 2014 20:49:54 GMT
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OK folks, I admit I'm a little confused about my implementation of IDLanROI within an limage window. Something silly on my part I'm sure.

What I have done is display an image in limage, draw a freehand ROI and then I'm grabbing the vertices of this roi to compute a mask and grab coordinates. This seems to work fine, something like this:

```
oSys = _IDLitSys_GetSystem()
oVertices = oSys -> GetByIdentifier('/DATA MANAGER/VERTICES')
fSuccess = oVertices -> GetData(vertices)
roi = obj_new('IDLanROI', vertices)
mask = roi->computemask(dimensions=size(picture,/dimensions),mask_rule=2 )
index_points = where(mask gt 0)
coords=array_indices(picture,index_points)
```

That works, but if I now want to go to the open limage window, delete that roi by selecting it and hitting delete, then draw a new freehand roi and repeat the process on a new area, I have the coordinates of the first Vertex drawn , not the new one. I think I understand this...limage gives the 1st ROI drawn a variable name of "Vertices" and each subsequent roi drawn (in the session) becomes Vertices_1, Vertices_2, etc.

I hope I'm not being confusing. So I'm looking for suggestions to work around this issue programmatically. Ideas?

Tony
