
Subject: Finding a points inside polygon

Posted by [Gunho Sohn](#) on Thu, 24 Oct 2002 13:32:39 GMT

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Dear All,

I have a problem to determine whether a point (x,y) is inside the polygon. Simply I've used IDLanROI::ContainsPoints method in my code. However, it seems to make a serious problem. Please, check this problem together. I used following polygons and point

polygon vertices (vx,vy):

```
vx=[35.859278  55.591451  155.00000  155.00000]
```

```
vy=[0.00000000  0.00000000  19.279154  23.105984]
```

point (x,y):

```
x=122.87897 y=13.049367
```

When I simply coded this as follows, it printes as 0 which means this point is located outside of polygon. But, it is not!

```
o_poly=obj_new('IDLanROI', vx,vy)
```

```
print, o_poly->ContainsPoints(x,y)
```

I compared this using fanning's inside.pro, as I expected 'inside.pro' said this point is in the polygon.

Do I something wrong using IDLanROI object?

I hope to hear anything from you soon.

Many thanks,

Gunho
