
Subject: Point within country boundary

Posted by [Matt\[3\]](#) on Fri, 24 Jan 2014 18:48:10 GMT

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Hi All,

I'm trying to find out which countries a set of points fall within. I thought I could do this using the supplied map shapefiles and IDLanROI. However, when I try this:

```
country_path = "/usr/local/exelis/idl/resource/maps/shape/country.shp"
```

```
oSHP = OBJ_NEW('IDLffShape', country_path )  
ent1 = oSHP -> GetEntity( 34, /ATTRIBUTES ) ;USA  
OBJ_DESTROY, oSHP
```

```
oROI = OBJ_NEW('IDLanROI', (*ent1.vertices))  
test = oROI -> ContainsPoints([-100.], [35.])  
OBJ_DESTROY, oROI
```

```
print, test
```

... I get 0, whereas I'm pretty sure -100E, 35W should be within the USA.

Am I misunderstanding how these objects or shape files should be used?

Thanks in advance for any pointers,

Matt
