Subject: Re: Point within country boundary
Posted by David Fanning on Fri, 24 Jan 2014 21:36:12 GMT
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Phillip Bitzer writes:

> Well, I guess the question was more or less directed to Matt - since he has the data readily available for testing. I've tried to use ContainsPoints and found it was, um, slow. Inside was much faster, but I wonder if that's me or the routine. /me shrugs

Well, believe it or not, this is nearly instantaneous!

```
IDL> Print, file
      C:\Program Files\Exelis\IDL82\resource\maps\shape\country.shp
IDL> canada = cgExtractShape(file, 'CNTRY_NAME', 'CANADA')
IDL> tic & print, canada -> ContainsPoints(-100, 35) & toc
     0
 Elapsed Time:  0.001000
IDL> usa = cgExtractShape(file, 'CNTRY_NAME', 'UNITED STATES')
IDL> tic & print, usa -> ContainsPoints(-100, 35) & toc
     1
 Elapsed Time:  0.000000
```

Hard to believe, huh!?

Cheers,

David
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Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")