## Subject: Re: Strange behavior of POLYFILL Posted by David Fanning on Wed, 21 Sep 2011 13:21:58 GMT

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## Xavi Llort writes:

- > After hours fighting against POLYFILLV, I found a strange
- > behavior that I cannot understand...

- > Here there is a small code searching the points inside a triangle. Why
- > there is a point that clearly is inside the triangle and not retrieved
- > by PolyfillV (see plot)? Does anyone have a solution?

I don't have time this morning to look at this very carefully, but I will say that PolyFillV is a \*graphic\* solution, not an \*analytical\* solution. It seems to me you are looking for an analytical solution. If so, there are better ways. IDLanROI is one and here is an article that describes another:

http://www.idlcoyote.com/tips/point in polygon.html

Cheers,

David

David Fanning, Ph.D. Fanning Software Consulting, Inc. Coyote's Guide to IDL Programming: http://www.idlcoyote.com/

Sepore ma de ni thui. ("Perhaps thou speakest truth.")