Subject: Re: IDL ROI Objects
Posted by David Fanning on Wed, 28 Jan 2015 18:17:10 GMT
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Fabien writes:

> See those three examples which are perfectly coherent with each other:

Humm. I guess maybe I should look up "perfectly coherent" in my dictionary. ;-)

I do note that even Function Graphics gets the notion of a polygon correct, a result I find especially remarkable:

```
poly = [[5, 10, 10, 5, 5], [5, 5, 10, 10, 5]]
aplot = Plot([1], XRange=[0,20], YRange=[0,20], /NoData, $
   YTickLen=1.0, XTickLen=1.0)
apoly = Polygon(poly[*,0], poly[*,1], /FILL_BACKGROUND, $
   FILL_COLOR='Steel Blue', /DATA)
```

I think if you have to jump through elaborate hoops and rationalizations to justify results you intuitively can't possibly expect, there is probably something wrong somewhere.

This would go a long way, too, in explaining why IDLanROI areas don't jive with areas calculated from, say, chain-code algorithms that also rely on pixel centers to determine if a pixel is in or out of a polygon.

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.")