Subject: Polygon filling erratum

Posted by Mark Hadfield on Thu, 25 Oct 2001 01:13:16 GMT

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On 4 October I posted a message called "Polygon filling oddities". I
reported that the POLYFILLV and IDLanROI::ComputeMask functions both failed
when the vertices of the filled polygon were negative. If you want the gory
details you can look here...

 http://groups.google.com/groups?q=polygon+filling+oddities+g roup:comp.lang.i
 dl-pvwave&hl=en&rnum=1&selm=000c01c14c6e%243388e e50%24d938a8c0%40Hadfield

I don't know exactly how to say this, but...I goofed! The test program
included the following code to calculate a mask using POLYFILLV

```
   image = replicate(0B, 500, 500)
   p = polyfillv(x, y, 500, 500)
   if min(p) gt 0 then image[p] = 255B
   tv, image
```

The "if" test in the third line was meant to test for the case where
POLYFILLV finds no vertices, in which case p is -1. So obviously the line
should be

```
   if min(p) gt -1 then image[p] = 255B
```

With this fixed, the test program shows that POLYFILLV gives sensible
answers when the polygon vertices are negative. (This despite a statement in
the documentation that says it shouldn't work in this case.)

OTOH, IDLanROI::ComputeMask still fails in the cases I described.

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