Subject: POLYFILLV question
Posted by Daniel Peduzzi on Fri, 31 Mar 2000 08:00:00 GMT
View Forum Message <> Reply to Message

I've been trying to use the polyfillv routine to fill a simple rectangle. After passing in the corner indices of the rectangle, I realized that the returned 1D indices did not include all the edges in which the corner indices lie, as illustrated by the sample program below:

```
;=========================================================
pro polytest

  xsize = 10
  ysize = 10

; Fill an xsize by ysize array with one's.
  a = bytarr(10, 10) + 1

; Make an ROI which takes up the entire array
  x = [0, xsize-1, xsize-1, 0, 0]         ; x-indices
  y = [ysize-1, ysize-1, 0, 0, ysize-1]   ; y-indices
  ind = polyfillv(x, y, xsize, ysize)

  a[ind] = 0
  print,a

  return
end
;=========================================================
```

The above program yields the following output:

```
0  0  0  0  0  0  0  0  0  1
0  0  0  0  0  0  0  0  0  1
0  0  0  0  0  0  0  0  0  1
0  0  0  0  0  0  0  0  0  1
0  0  0  0  0  0  0  0  0  1
0  0  0  0  0  0  0  0  0  1
0  0  0  0  0  0  0  0  0  1
0  0  0  0  0  0  0  0  0  1
0  0  0  0  0  0  0  0  0  1
1  1  1  1  1  1  1  1  1  1
```

What I really need is for polyfillv to return the indices of the outline AND interior points of the rectangle. Is there a way to coerce pollyfillv into doing this? Or am I doing something wrong?

If not, does somebody have a routine that will return all interior
and edge indices of a polygon?

Dan Peduzzi
peduzzi@mediaone.net
