Subject: Problem masking multiple regions.
Posted by Bruce Bowler on Thu, 08 Jan 2004 21:08:34 GMT
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I have a problem and I hope someone here can "See the error of my ways".

I have a grey-scale png file. I need to extract the boundaries of the various regions in the image. I've tried the following but it fails after finding the bounds of "a couple" of the regions that I know it should find.

```
pro map_parts, file = file, target = target
  ok = query_png(file, s)
  window, 1, xsize = s.dimensions[0], ysize = s.dimensions[1]
  window, 2, xsize = s.dimensions[0], ysize = s.dimensions[1]
  x = read_png(file)
  subarr = reform(x[0, *, *])
  wset, 1
  tvscl, subarr
  ix = where(subarr eq target, count)
  rcount = 0
  while (count gt 0 and rcount lt 10) do begin
    bounds = find_boundary(ix)
    plots, bounds, /device, color = fsc_color('green')
    region = obj_new('IDLanROI', bounds)
    mask = region -> computemask(dimensions = size(subarr, /dimensions),
mask_rule = 2)
    iy = where(mask gt 0, ycount)
    if (ycount gt 0) then subarr(iy) = 0
    obj_destroy, region
    rcount = rcount + 1
    print, rcount, ycount, count
    ix = where(subarr eq target, count)
  end
  wset, 2
  tvscl, subarr
end
```

The end goal, all things being right with the world, is the get the vertices of each distinct region.

I'll be happy to send anyone who's interested, a file (~55K png file) that demonstrates the problem.

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Bruce Bowler | A bipartisan issue is a problem neither party knows
1.207.633.9600 | how to solve. - Joe Hickman
bbowler@bigelow.org |

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