
Subject: Re: create oval shape

Posted by [Jeremy Bailin](#) on Tue, 18 Aug 2015 17:11:16 GMT

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On Tuesday, August 18, 2015 at 11:41:13 AM UTC-5, g.na...@gmail.com wrote:

> Hi

>

> I want to create two oval shapes where the enclosed pixels have fixed values. I tried the following but are rectangles, as expected of course.

>

> Im = fltarr(300,300)

>

> A[19:68,40:115] = 2.

> A[40:55,62:82] = 1.

>

> Can anyone help with this? Instead of rectangles creating oval shapes with fixed values.

I would use DIST_ELLIPSE from the idl astronomy library to get the distances from the center of the ellipse to each point in the image, and then use that distance to decide whether to set it or not.

I.e. to fill in an ellipse with an axis ratio of 2:1 centered at (x_center, y_center) with a semi-major axis length of length "radius":

```
dist_ellipse, ellipse_distances, [300,300], x_center, y_center, 2.0
```

```
A = ellipse_distances le radius
```

-Jeremy.
