
Subject: Re: create oval shape

Posted by [Jeremy Bailin](#) on Wed, 19 Aug 2015 03:10:34 GMT

[View Forum Message](#) <> [Reply to Message](#)

On Tuesday, August 18, 2015 at 3:45:46 PM UTC-5, g.na...@gmail.com wrote:

> I didn't understand how to use the DIST_ELLIPSE though.
>
> I typed
>> IDL dist_ellipse, ellipse_distances, [300,300], x_center, y_center, 2.0
>
> And I got the following:
>
> Syntax - DIST_ELLIPSE, im, n, xc, yc, ratio, pos_ang, /DOUBLE
> im - output elliptical mask image array
> n - size of output image mask, scalar or 2 element vector
> xc,yc - coordinates of ellipse center, scalars
> ratio - ratio of major to minor axis of ellipse, scalar
> pos_ang - position angle, counterclockwise from up
>
> I didn't see how I'll get the distances from center using this function.

It looks like the pos_ang parameter is required (Wayne: the documentation says it is optional), so use 0 for that to align the axes of the ellipse with the x and y axes.

What you will get after running it is a 300x300 array where the value of each element is the semi-major axis of the ellipse that goes through that element and is centered at (x_center, y_center).

-Jeremy.
