
Subject: Re: circles

Posted by [pit](#) on Mon, 14 Jul 1997 07:00:00 GMT

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In article <33C6A55C.E92FBB0D@kprwww.na.astro.it>,
Kevin Reardon <kreardon@kprwww.na.astro.it> writes:

```
> ;for a circle centered at (150,50)
> xx = rebin(findgen(201,201) - 150,201,201)
      ^^^
      must be 1

> yy = rebin(findgen(1,201) - 50,201,201)

> radial_distance = sqrt(xx^2 - yy^2)
      ^^^
      must be a +

> tvscl,radial_distance le 50 ; displays a white filled circular mask
```

```
> The previous suggestion by Peter Suetterlin (pit@uni-sw.gwdg.de) of:
> img = (shift(dist(X,Y),x0,y0)) LT R
> doesn't seem to work if x0 and y0 are not equal to X/2 and Y/2
> (i.e. the circle is not centered) because of wrapping problems when
> the array is shifted.
```

Strange, what system/version are you using?

I checked it before posting, and just again on three different systems
(Linux, SunOS, HP-UX) with IDL 4.01 and 3.0.0:

```
tvscl, (shift(dist(201,201),150,50)) lt 50
exactly does what it is expected to do???
```

Peter

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Come and see the stars! <http://www.kis.uni-freiburg.de/~ps/SFB>

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