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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](mailto: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](mailto: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:

tvsc1, (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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