
Subject: Re: Making array out of sinc
Posted by [Wout De Nolf](#) on Fri, 27 Aug 2010 11:32:15 GMT
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On Fri, 27 Aug 2010 04:00:40 -0700 (PDT), sirvival
<fpfeifer@hs.uni-hamburg.de> wrote:

> I want something that looks like when raindrop hits water.
> So when I do a contour plot it looks like elipsis.
> How can I do this?

```
nx=201  
ny=81  
ratio=1.  
x=rebin(findgen(nx)-nx/2,nx,ny,/sample)  
y=rebin(findgen(1,ny)-ny/2,nx,ny,/sample)*ratio  
r=sqrt(x*x+y*y)  
psf3=sin(r)/r
```

This gives circles as contours. Change the "ratio" to make ellipses.
Btw, this is not a 2D sinc function. That would be $\sin(x)\sin(y)/xy$.
