Subject: Re: Making array out of sinc
Posted by sirvival on Sat, 28 Aug 2010 11:42:43 GMT
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On 27 Aug., 13:32, Wox <s...@nomail.com> wrote:
> On Fri, 27 Aug 2010 04:00:40 -0700 (PDT), sirvival
>
> <fpfei...@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.

Hi,
thanks alot.
Thats what I am looking for.

PS: Is my psf3=psfx3#psfy3 not equal to your sin(x)sin(y)/xy?