Subject: Re: Making array out of sinc
Posted by Wout De Nolf on Sun, 29 Aug 2010 16:56:11 GMT
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On Sat, 28 Aug 2010 04:42:43 -0700 (PDT), sirvival
<fpfeifer@hs.uni-hamburg.de> wrote:

> 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?

Yes it is, I didn't pay attention :-). My point was that if you need a
2D-sinc function, sin(x)sin(y)/xy is it, not the "raindrop function"
you ask for.