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Subject: Re: Making array out of sinc

Posted by [Maxwell Peck](#) on Fri, 27 Aug 2010 11:23:11 GMT

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On Aug 27, 9:00 pm, sirvival <fpfei...@hs.uni-hamburg.de> wrote:

> Hi,  
> I want to create an array out of two sinc function.  
> My code looks like this right now:

>  
> ;sinc psf  
>   x=findgen(201)-100  
>   psfx3=DBLARR(N\_ELEMENTS(X))  
>   for i=0, n\_elements(x)-1 do begin  
>     if x(i) eq 0 then begin  
>       psfx3(i)=1  
>     endif else begin  
>       psfx3(i)=sin(x(i))/(x(i))  
>     endelse  
>   endfor  
>   y=findgen(81)-40  
>   psfy3=DBLARR(N\_ELEMENTS(y))  
>  
>   for i=0, n\_elements(y)-1 do begin  
>     if y(i) eq 0 then begin  
>       psfy3(i)=1  
>     endif else begin  
>       psfy3(i)=sin(y(i))/(y(i))  
>     endelse  
>   endfor  
>   psf3=psfx3#psfy3  
>   psf3=psf3/total(psf3)  
>  
>   plot,psfx3  
>   stop  
>   plot,psfy3  
>   stop  
>   shade\_surf,psf3  
> end  
>  
> The result is not what I am looking for.  
> 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?  
>  
> Thanks  
>  
> PS: I use IDL 7.1. Not sure when IT will upgrade to 8.0

