
Subject: Re: Making array out of sinc

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

[View Forum Message](#) <> [Reply to Message](#)

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
```

