
Subject: Re: extract points of acircle

Posted by [Ali Gamal](#) on Thu, 18 Aug 2016 14:30:16 GMT

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On Tuesday, August 16, 2016 at 5:21:20 PM UTC+2, AGW wrote:

```
> Hi,
> I want to plot four circles on picture then extract mean x,y for every circle
> I use this program.
>
> ;*****
> FUNCTION CIRCLE, xcenter, ycenter, radius
>   points = (2 * !PI / 99.0) * FINDGEN(100)
>   x = xcenter + radius * COS(points)
>   y = ycenter + radius * SIN(points)
>   RETURN, TRANSPOSE([x],[y])
> END
>
> restore,file='sm.isv' ;/v
> sm1=sm[*,*,5]
> window,0,xs=999,ys=512
> tvscl,sm1
>
> n=5
> for i=0,n-1 do begin
>   radius=10*i
>   pp=circle(200,352,radius)
>   cgPlotS, pp,color='red',thick=2.0, /Device
>
> ;*****
>
> at this point no problem, I want to print mean(x,y) for every circle
>
> how can I do it ?
>
> help, please
```

every point in circle have a coordinates x,y, I want to extract this coordinates for every circle
