
Subject: extract points of acircle
Posted by [Ali Gamal](#) on Tue, 16 Aug 2016 15:21:11 GMT
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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  
tvsc1,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
