
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
tv scl,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
