
Subject: Re: Arc of a circle

Posted by [Craig Markwardt](#) on Wed, 21 Apr 2010 03:01:06 GMT

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On Apr 20, 9:16 pm, Fred <fedef...@gmail.com> wrote:

> Hello! simple question: does anybody know how to draw an arc of a
> circle in plot. A circle can be easily created, knowing the center
> coordinates and radius, through the routine "tvcircle". What I am
> missing is how to create a simple arc subtending an arbitrary angle.

Are you familiar with cosines and sines? The set of points X, Y

$$X = X0 + R * \text{COS}(TH)$$
$$Y = Y0 + R * \text{SIN}(TH)$$

where TH is an array spanning 0 to 2*!DPI, is a circle centered on (X0,Y0).

If you choose a smaller span of angles, then you will get a circular arc instead of a full circle.

Craig
