# Shape Motion Instructions

This tool will create motion in a shape for a layer's position or any other property. It will help in making layers move in circles, rectangle, polygons, and a few other shapes.

Interface:

Instructional Video:
> http://youtu.be/BswZHTLGO6A
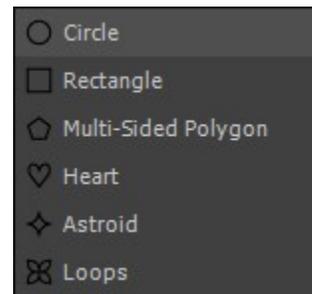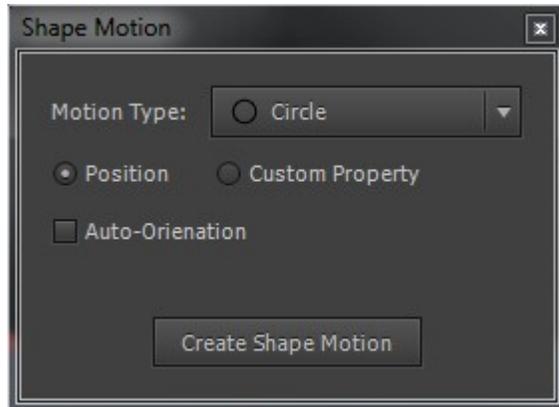
To Use:
1. Choose a layer you want to animate
2. Select the **Layer Name** if you want to animate it's position
    - Choose Position

3. **Or** Select a **Property** with 2 or more values ------------->
    - Choose Custom Property

3. Custom Property

4. Choose the Motion Type you want
    - **Circle**
    - **Rectangle**
    - **Multi-Sided Polygon**
    - **Heart**
    - **Astroid**
    - **Loops**
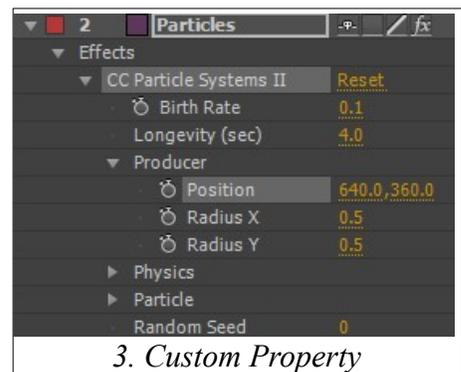
5. Click Create Shape Motion
    - There will now be a new Null in your composition. This will have all the effects that you can control for your shape

See Control Descriptions.pdf for information on the shapes and controls that are available

Detailed Use

Here's some specifics on what happens when you run the script.

1. A Control Null gets created with effects added to it that define the properties of the shape

2. The Null has an effect called "Position Proxy". This has an expression added which is the calculation to make the shape

3. Your selected layer gets an expression added to Position or Custom Property. This is linked to the "**Position Proxy**" effect on the Control Null

For "**Position**":

The Null gets moved to the location of your layer, and your layer gets parented to the Null.

For "**Custom Property**":

The Null gets the value of your custom property, and the expression that is added to your custom property links it to the Null (effectively parenting your property to the null)

Your property's values also get set to 0. (However, if your property is an array of more than 2 values, then the 3rd, 4th, etc. values will not get set to 0)

Known issues

General:

Auto-Orientation might flip a 3d layer 180° when you pass the halfway point of a shape

The Control Null's position starts as the value of the property you are going to affect. If your property has very large values, that may mean that the Null is no longer visible within the composition window. (since your property may have a value larger than the x- or y-dimension of the window) This will not stop the Null Controls from working, but you will not be able to see the Null in the window.

If you want to move the entire shape, change the position of the Control Shape. You could also change the original property on your layer, however if you do this, then the icons for Begin/End Point will not line up exactly with your shape.

Rectangle:

When spiral and easing are both activated, the corners of the rectangle may curve a little

Revision History

v1

    Initial release – January 2014

v1.2

    Updating licensing to work on macOS 10.15

v1.2.1

    Updating licensing

v1.2.2

    Updating licensing

v1.2.3

    Updating licensing