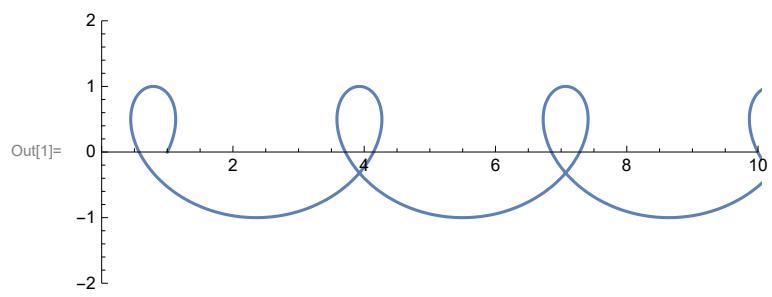
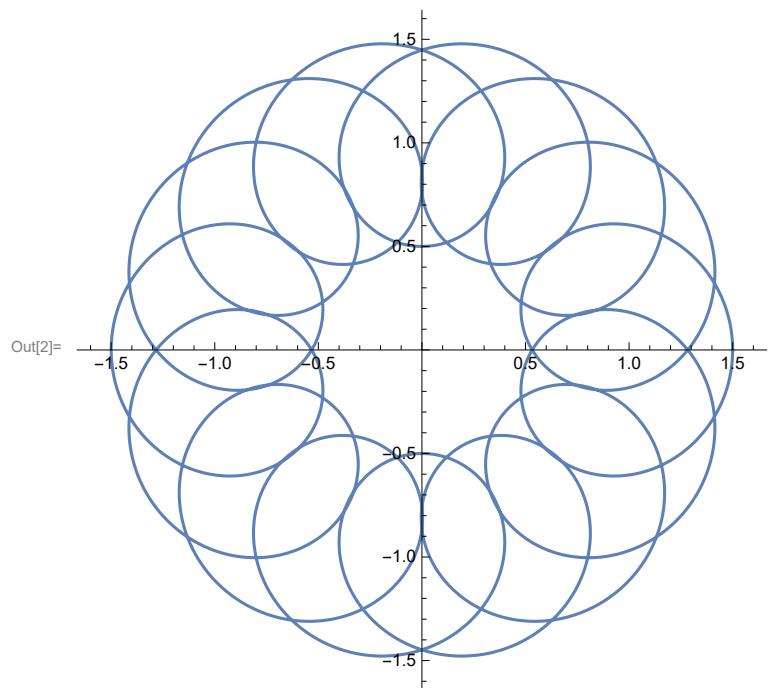


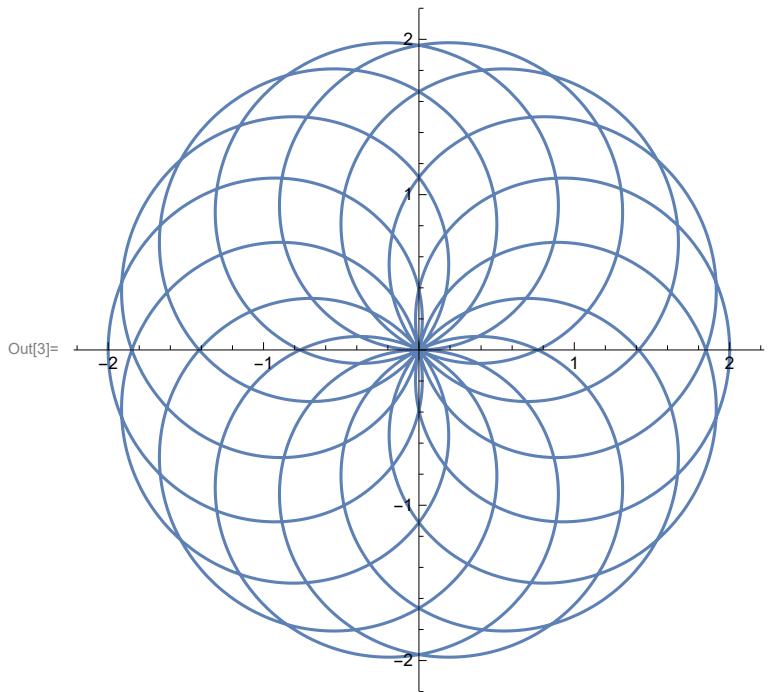
```
In[1]:= ParametricPlot[{Cos[t] + 0.5 t, Sin[t]}, {t, 0, 10 \pi}, PlotRange -> {{0, 10}, {-2, 2}}]
```



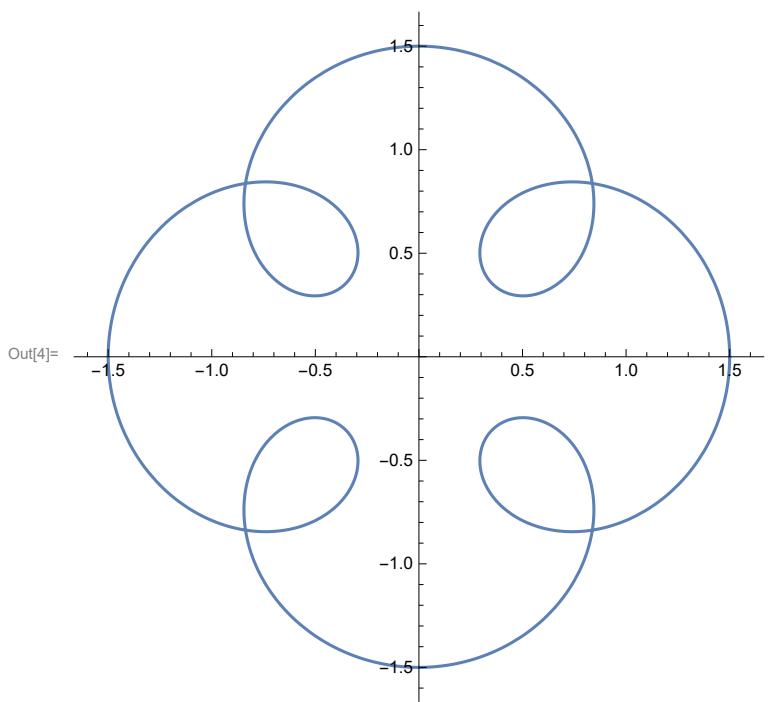
```
In[2]:= ParametricPlot[{Cos[t] + 0.5 Cos[15 t], Sin[t] + 0.5 Sin[15 t]}, {t, 0, 2 \pi}]
```



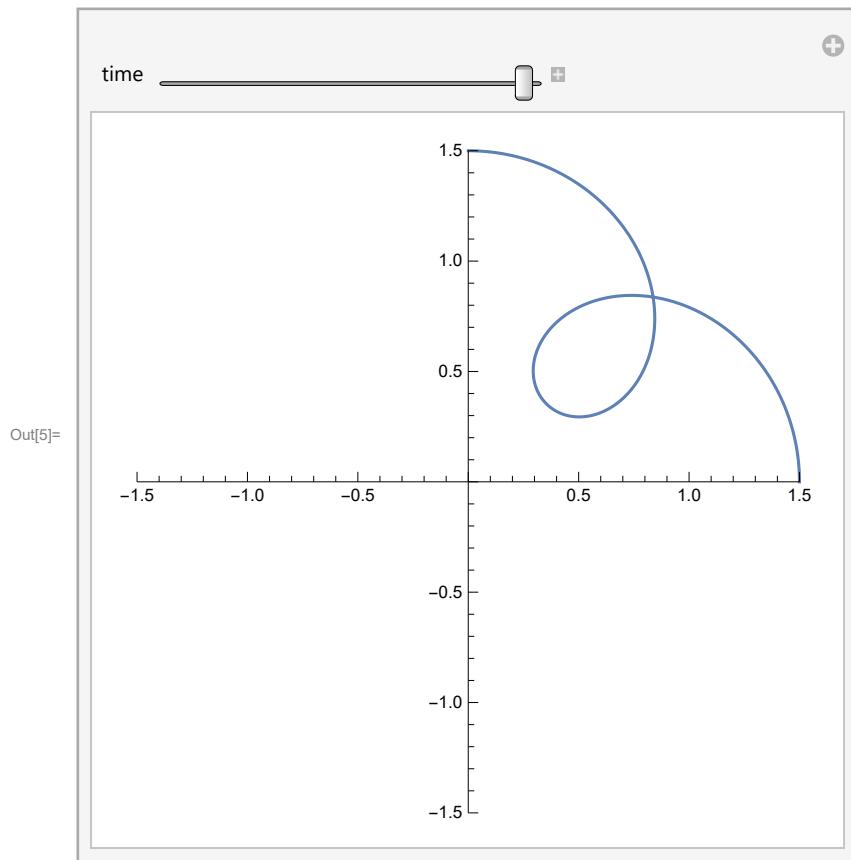
```
In[3]:= ParametricPlot[{Cos[t] + Cos[15 t], Sin[t] + Sin[15 t]}, {t, 0, 2 \pi}]
```



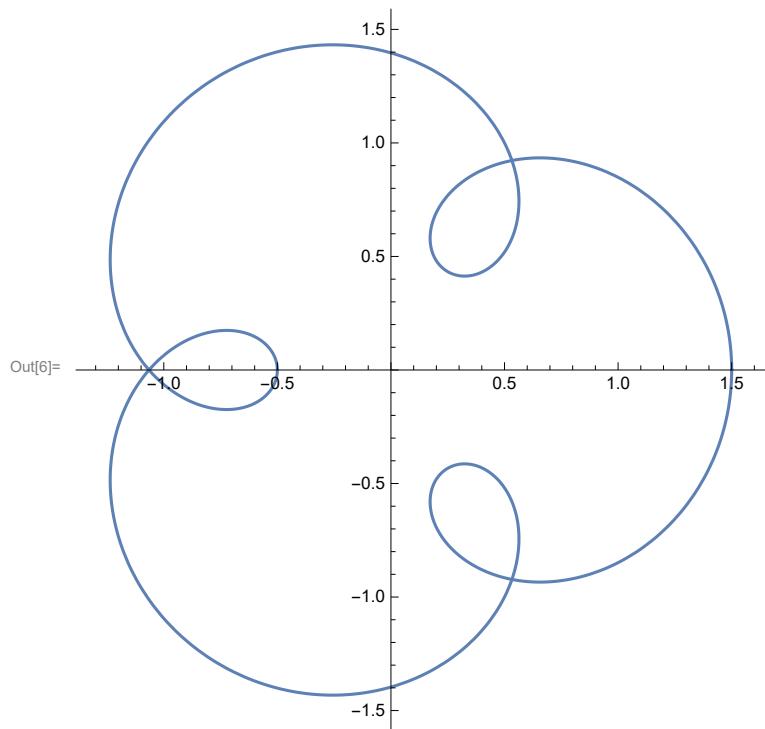
```
In[4]:= ParametricPlot[{Cos[t] + 0.5 Cos[5 t], Sin[t] + 0.5 Sin[5 t]}, {t, 0, 2 \pi}]
```



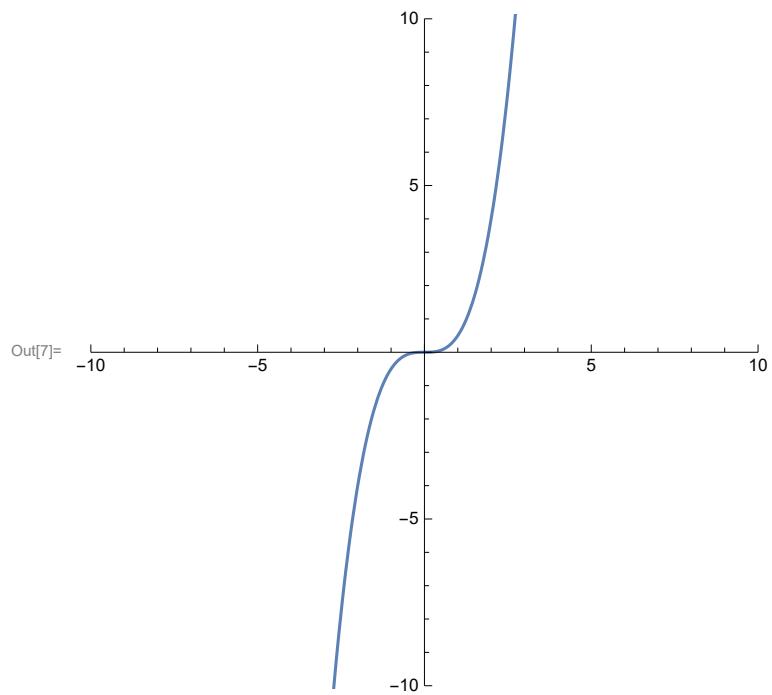
```
In[5]:= Manipulate[ParametricPlot[{Cos[t] + 0.5 Cos[5 t], Sin[t] + 0.5 Sin[5 t]}, {t, 0, time}, PlotRange -> {{-1.5, 1.5}, {-1.5, 1.5}}], {time, 0.001, 0.5 \[Pi]}]
```



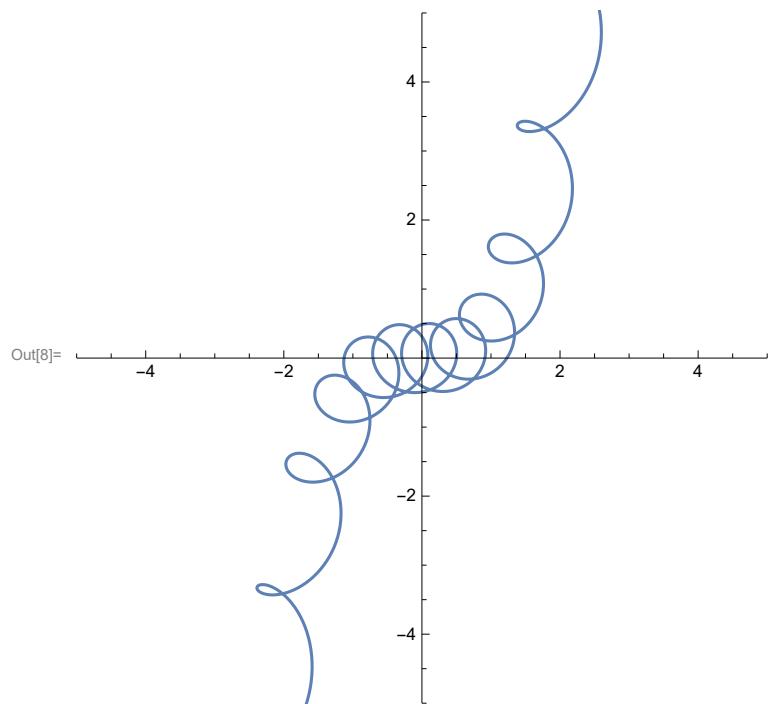
```
In[6]:= ParametricPlot[{Cos[t] + 0.5 Cos[4 t], Sin[t] + 0.5 Sin[4 t]}, {t, 0, 2 \[Pi]}]
```



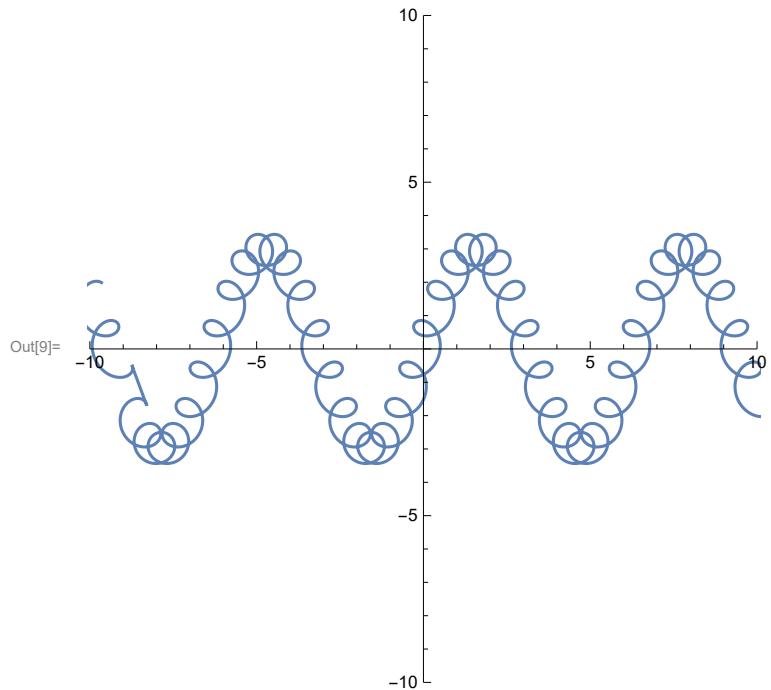
```
In[7]:= ParametricPlot[{t, 0.5 t^3}, {t, -10, 10}, PlotRange -> {{-10, 10}, {-10, 10}}]
```



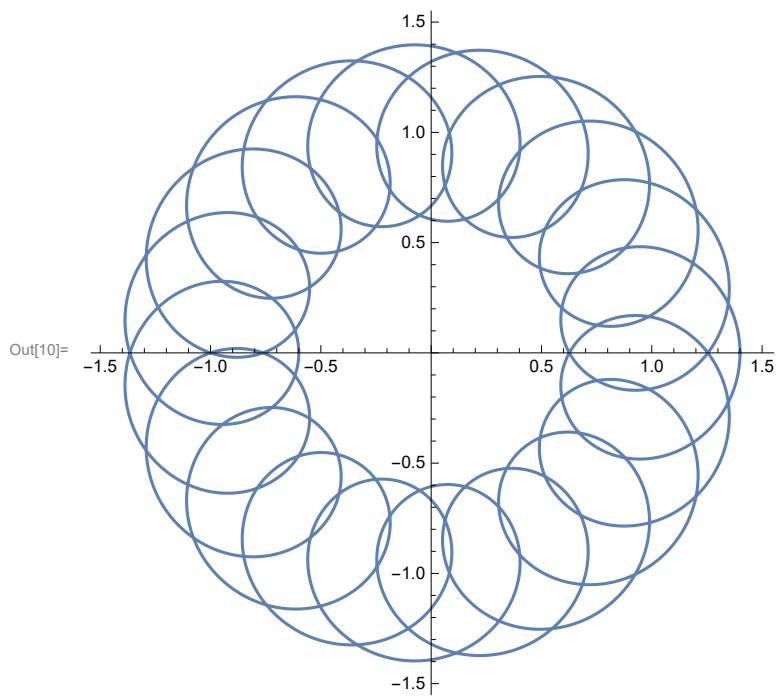
```
In[8]:= ParametricPlot[{t + 0.5 Cos[15 t], 0.5 t^3 + 0.5 Sin[15 t]}, {t, -10, 10}, PlotRange -> {{-5, 5}, {-5, 5}}]
```



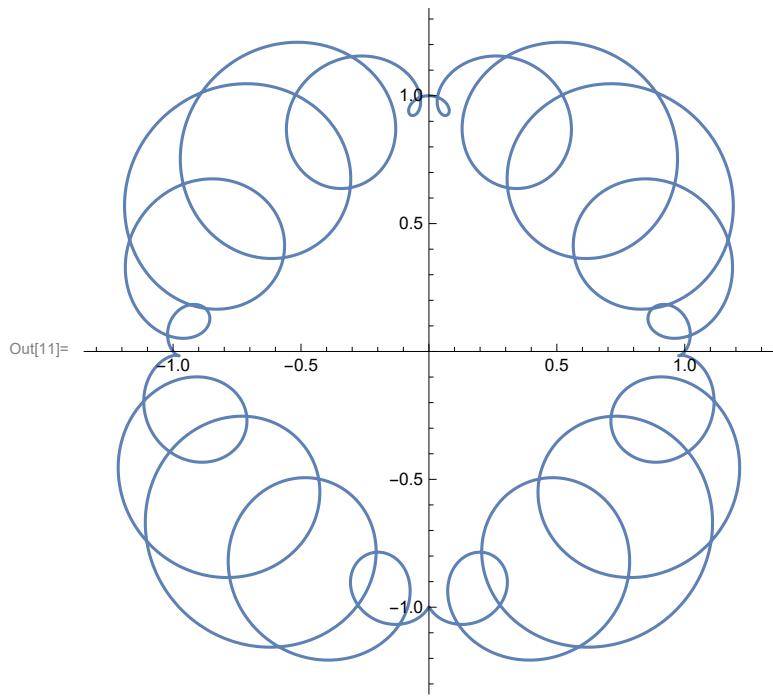
```
In[9]:= ParametricPlot[{t + 0.5 Cos[15 t], 3 Sin[t] + 0.5 Sin[15 t]}, {t, -10, 10}, PlotRange -> {{-10, 10}, {-10, 10}}]
```



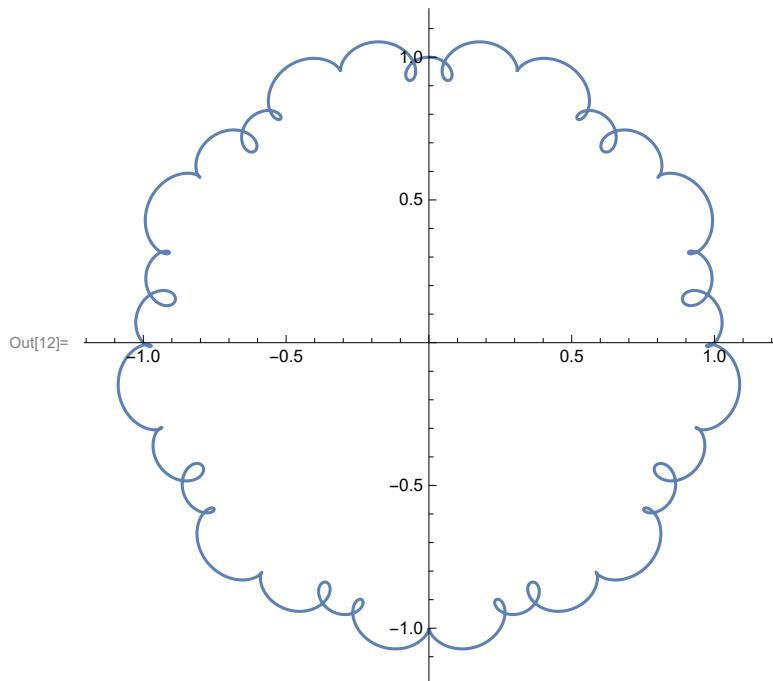
```
In[10]:= ParametricPlot[{Cos[t] + 0.4 Cos[20 t], Sin[t] + 0.4 Sin[20 t]}, {t, 0, 2 \pi}]
```



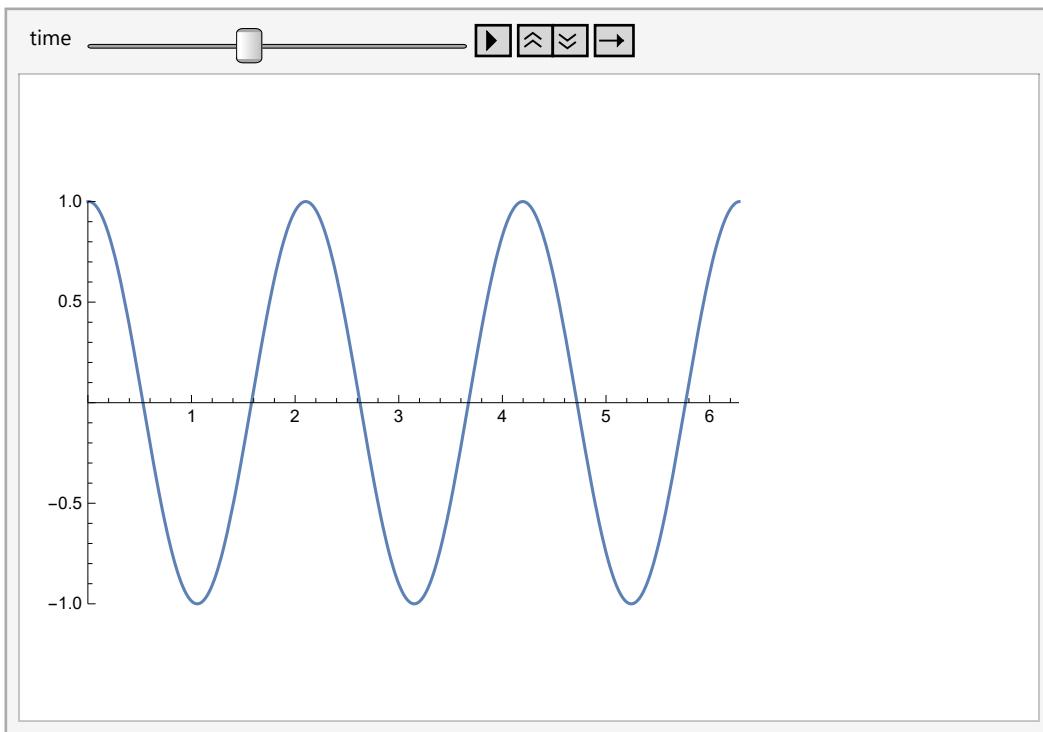
```
In[11]:= ParametricPlot[
{Cos[t] + 0.4 * Sin[2t] * Cos[20t], Sin[t] + 0.4 * Sin[2t] * Sin[20t]}, {t, 0, 2π}]
```



```
In[12]:= ParametricPlot[
{Cos[t] + 0.1 * Sin[10t] * Cos[20t], Sin[t] + 0.1 * Sin[10t] * Sin[20t]}, {t, 0, 2π}]
```



```
In[29]:= gif = Animate[Plot[Sin[3t + time],  
 {t, 0, 2Pi}, PlotRange -> {{0, 2Pi}, {-1, 1}}], {time, 0, 6Pi}]
```

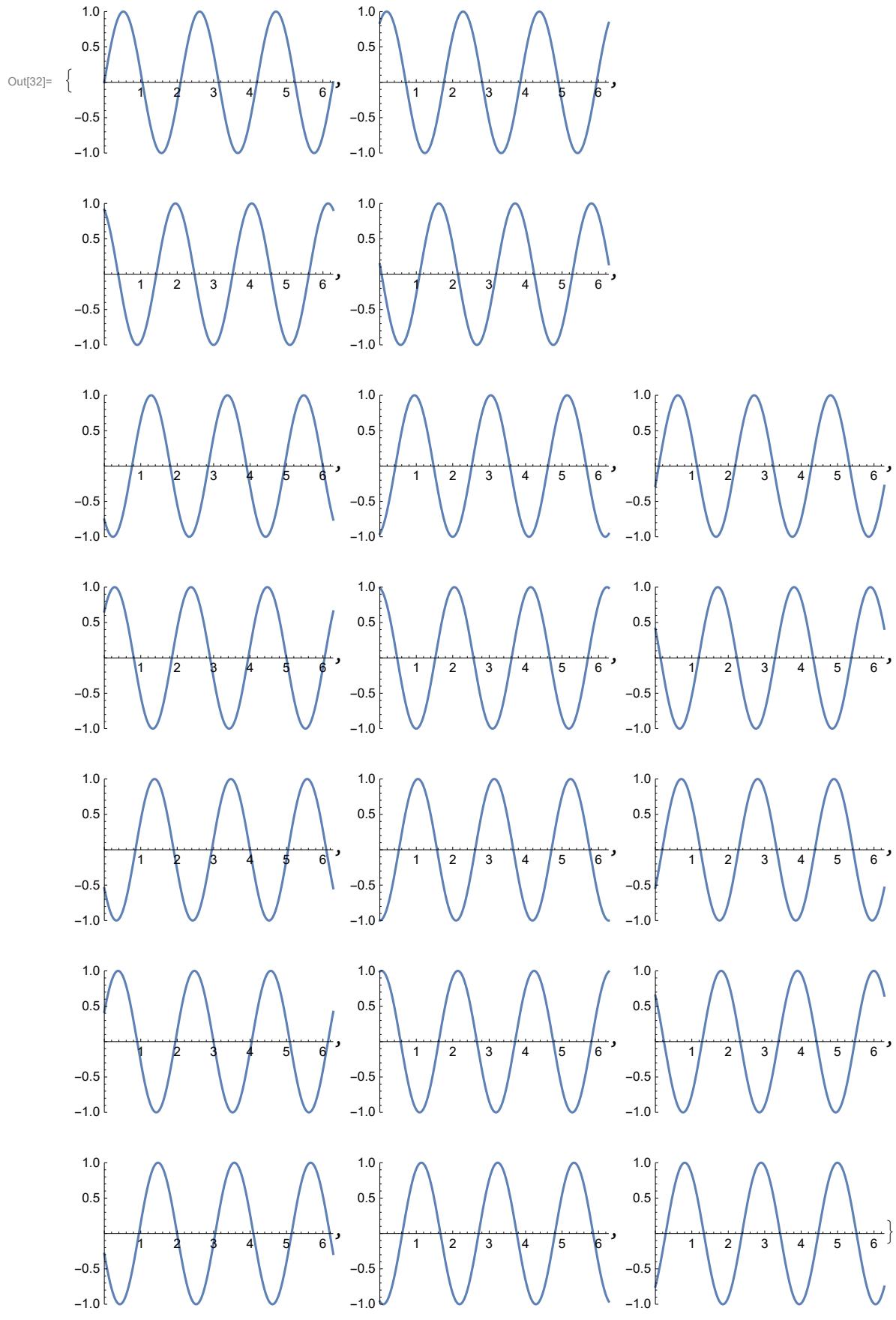


```
In[30]:= Export["sineTimed.swf", gif]
```

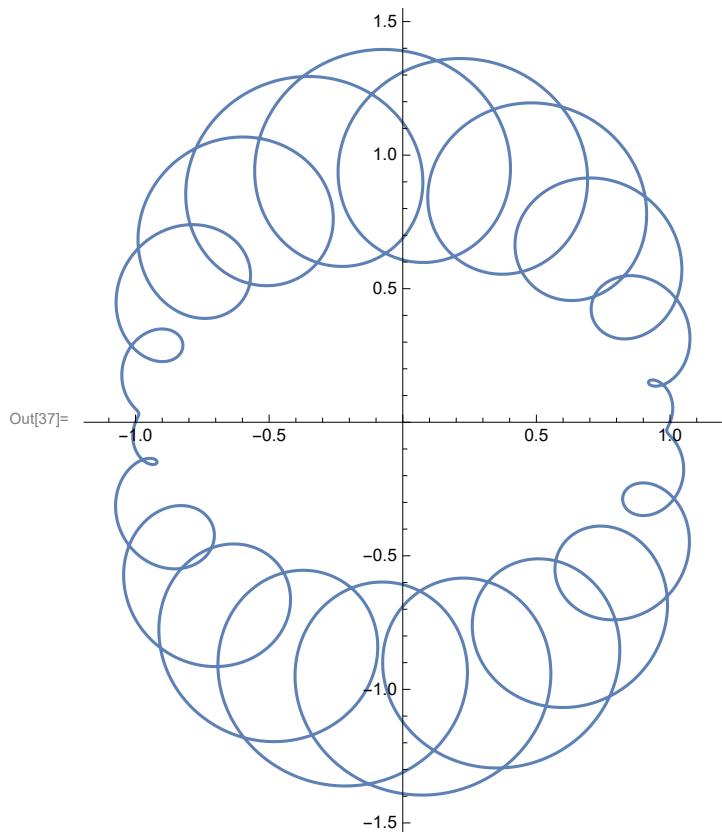
```
Out[30]= sineTimed.swf
```

```
In[31]:= SystemOpen["sineTimed.swf"]
```

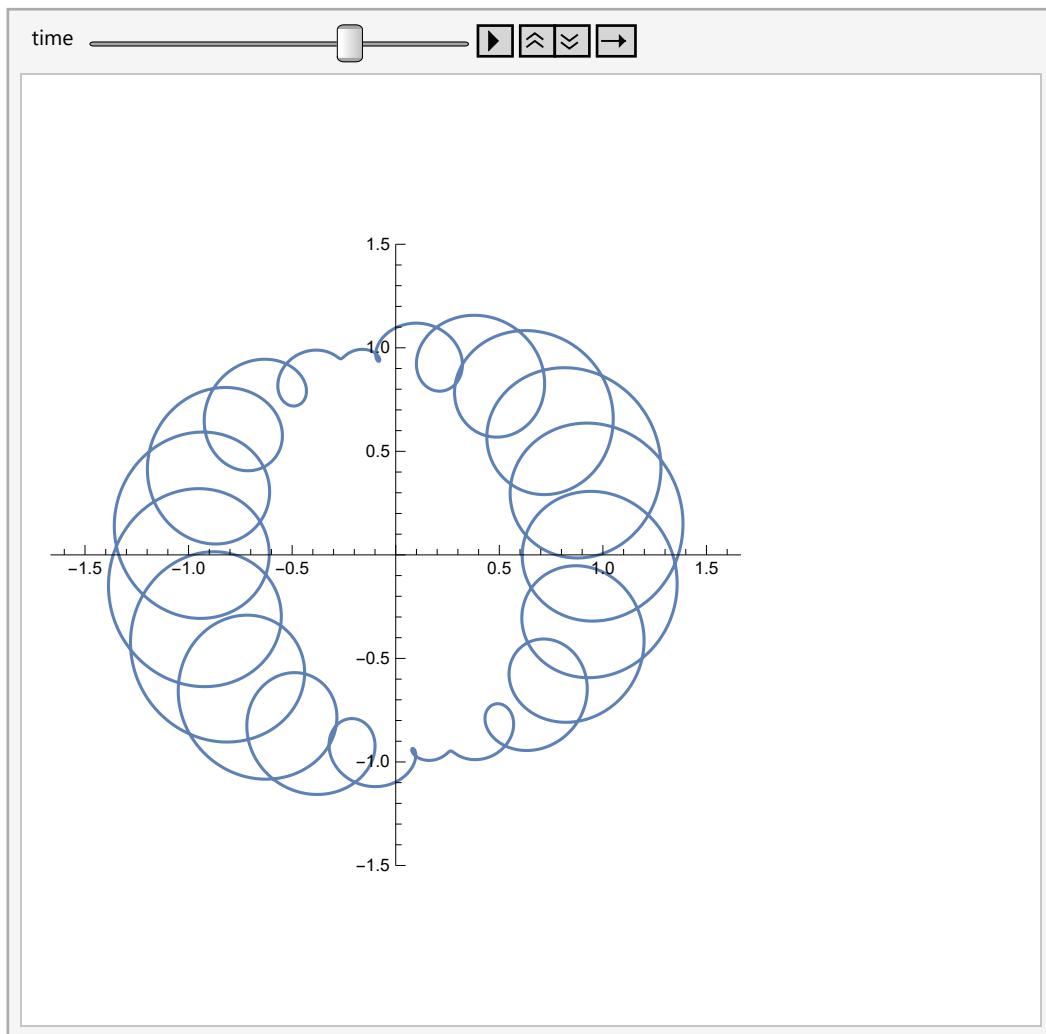
```
In[32]:= gif2 = Table[Plot[Sin[3t + time], {t, 0, 2Pi},  
 PlotRange -> {{0, 2Pi}, {-1, 1}}], {time, 0, 6Pi}]  
Export["sin.gif",  
 gif2]
```



```
In[35]:= SystemOpen[DirectoryName[AbsoluteFileName["sin.gif"]]]  
In[34]:= SystemOpen["sin.gif"]  
In[37]:= ParametricPlot[  
  {Cos[t] + 0.4 * Sin[t] * Cos[20 t], Sin[t] + 0.4 * Sin[t] * Sin[20 t]}, {t, 0, 2 \pi}]
```



```
In[56]:= Animate[ParametricPlot[
{Cos[t] + 0.4*Sin[t + time]*Cos[20t], Sin[t] + 0.4*Sin[t + time]*Sin[20t]},
{t, 0, 2π}, PlotRange → {-1.5, 1.5}], {time, 0, 2Pi}]
```



In[57]:=

In[58]:=

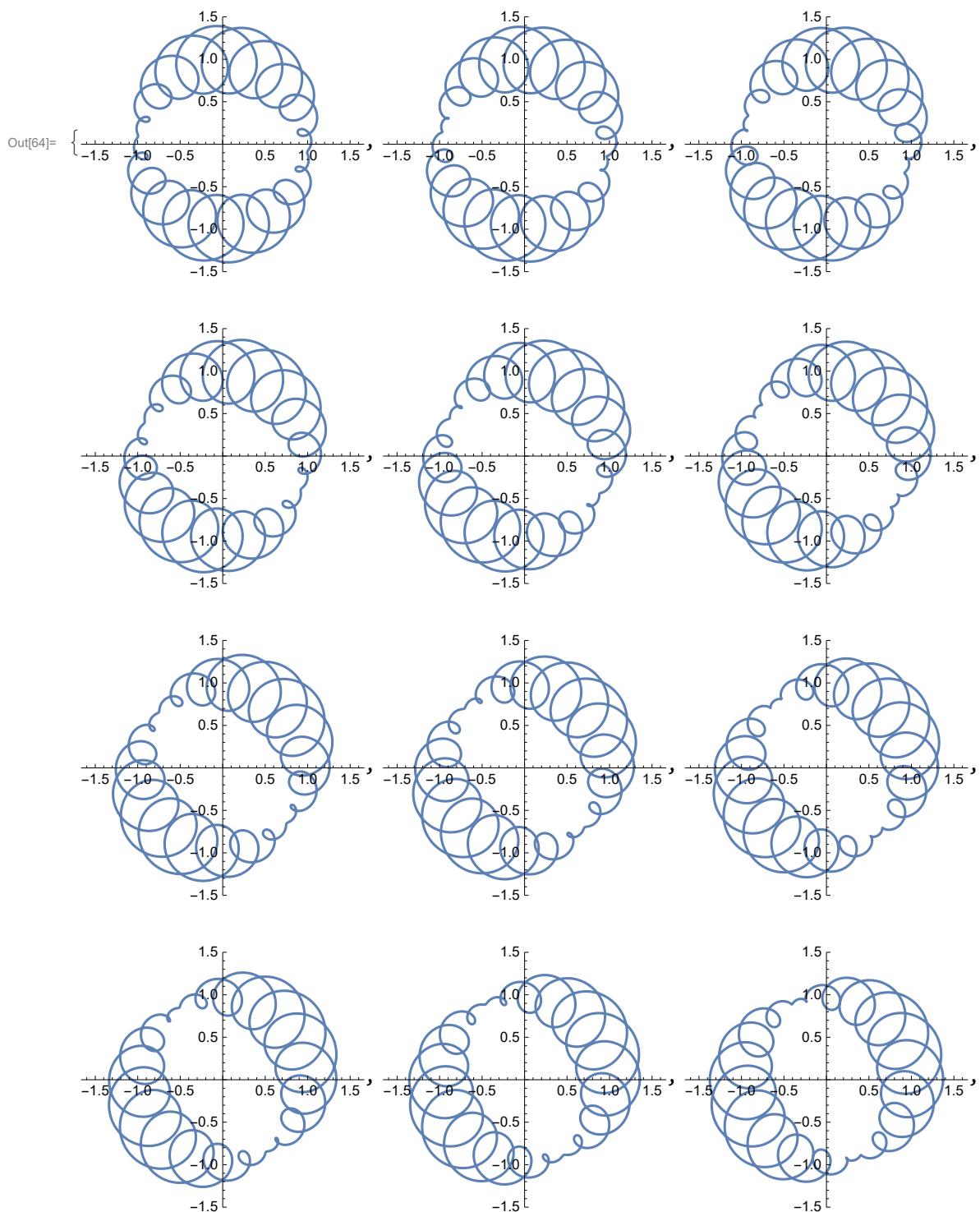
In[59]:=

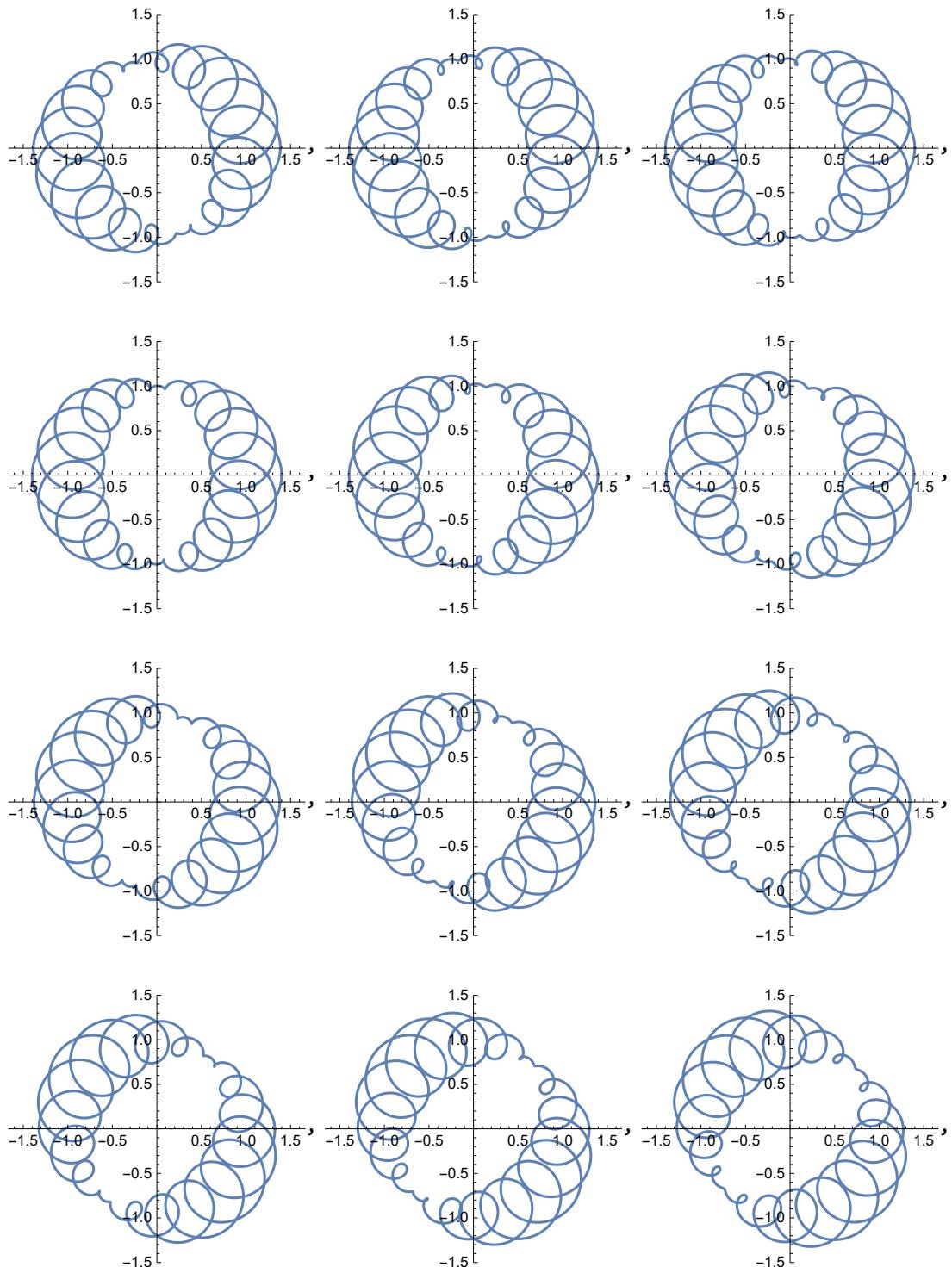
In[60]:=

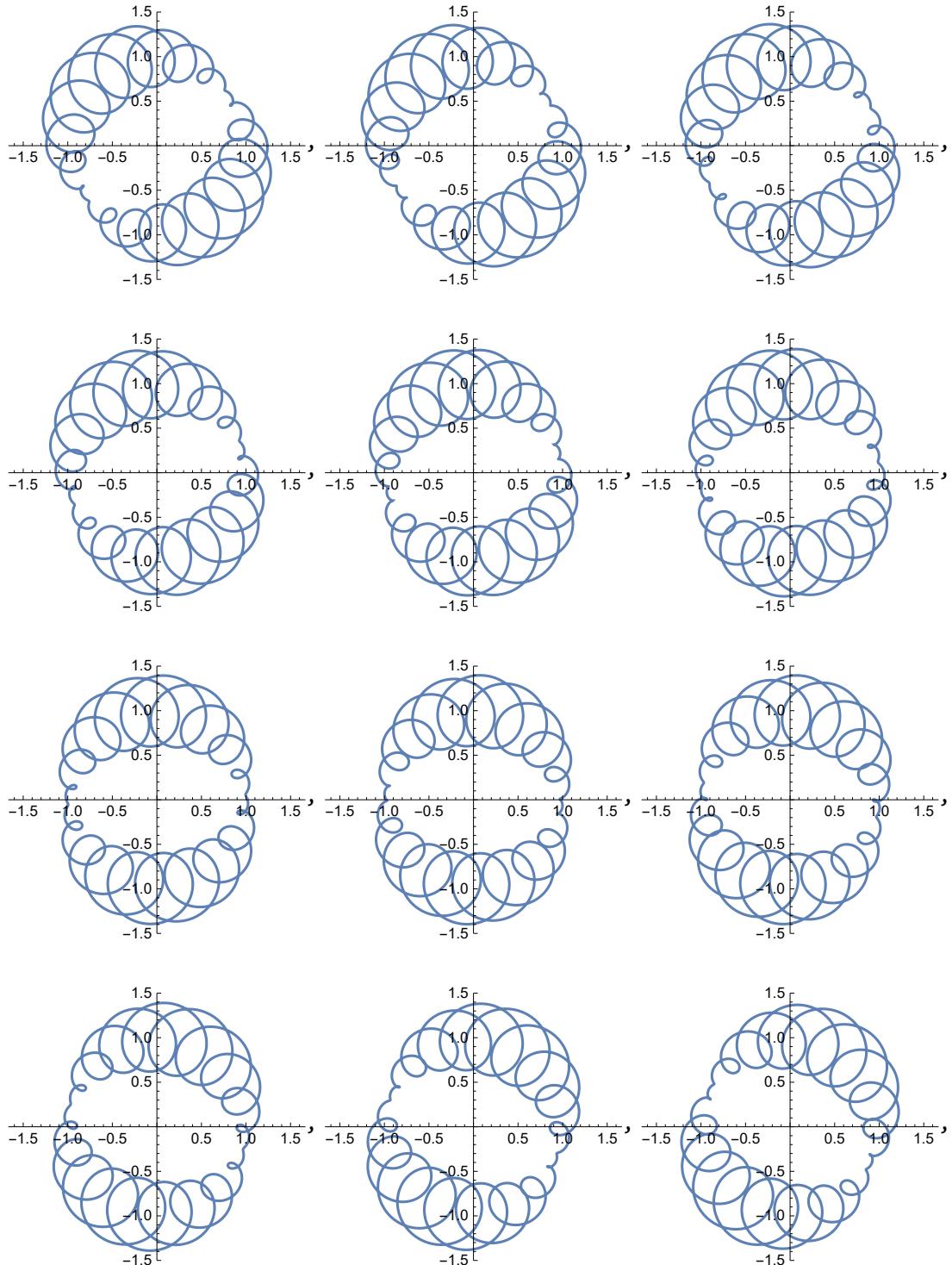
In[61]:=

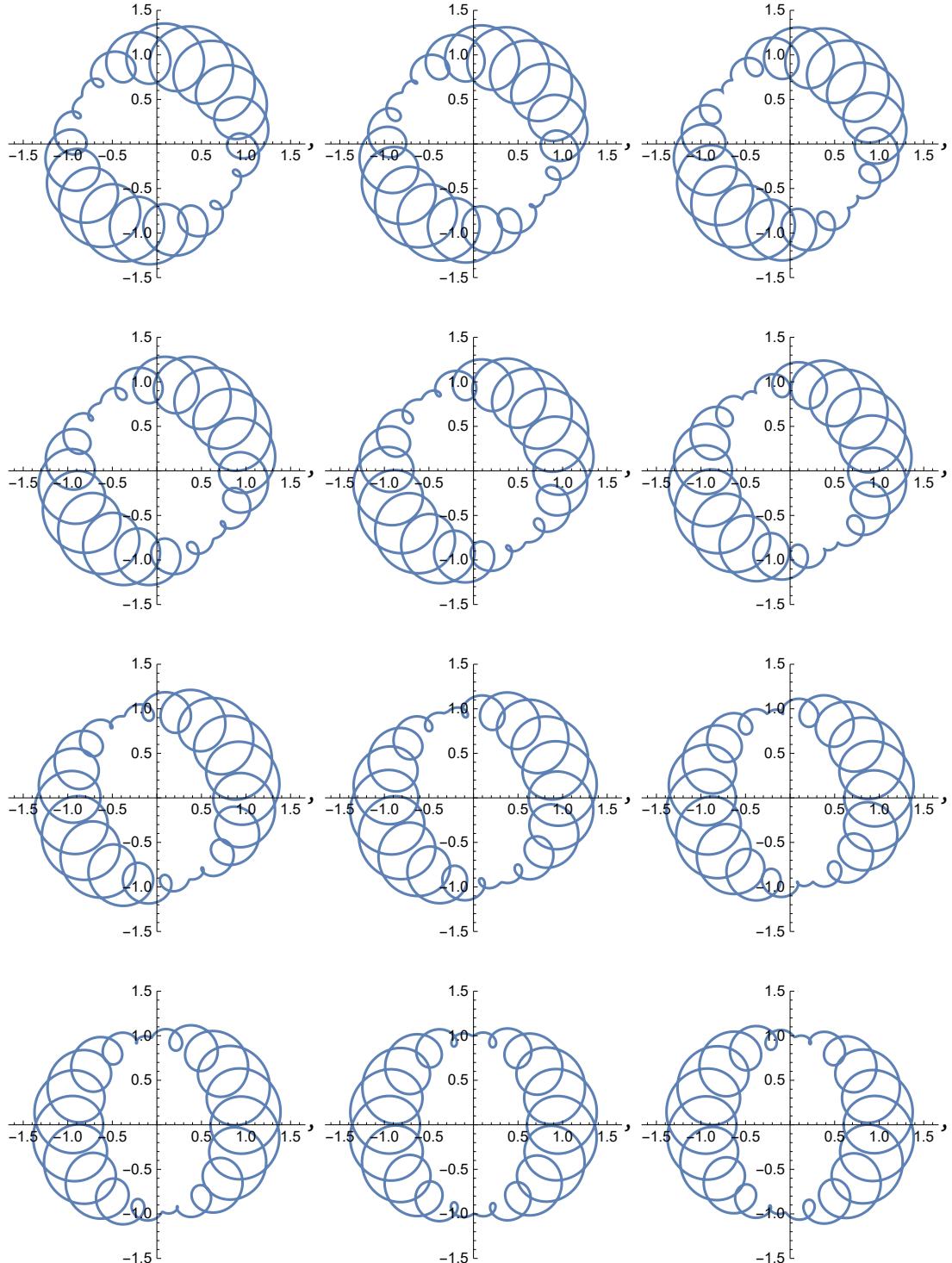
In[62]:=

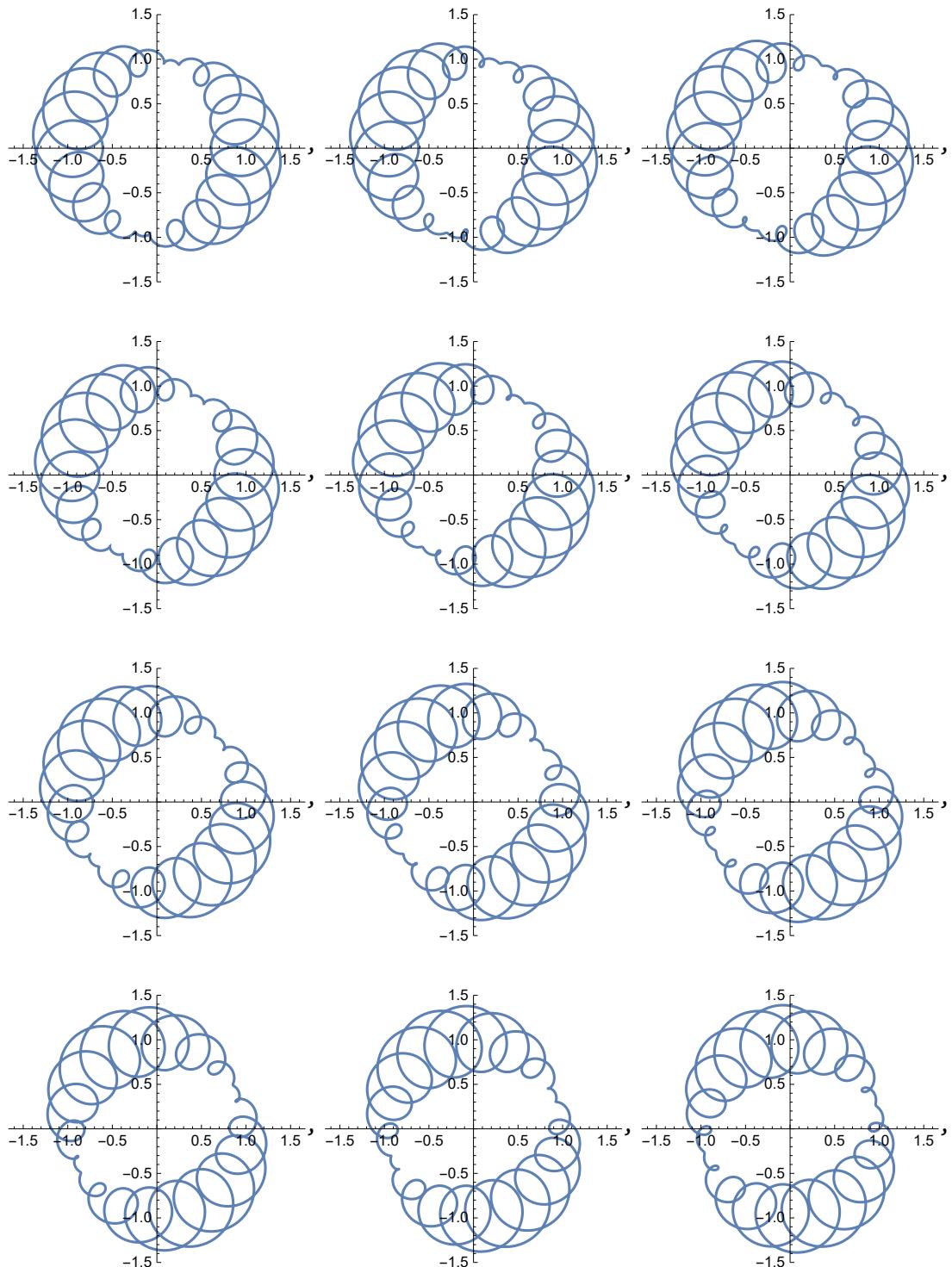
```
In[63]:= time = 10; fps = 24; da = 0.1; a0 = da;
frames = Table[ParametricPlot[
{Cos[t] + 0.4*Sin[t + time]*Cos[20t], Sin[t] + 0.4*Sin[t + time]*Sin[20t]},
{t, 0, 2π}, PlotRange → {-1.5, 1.5}], {time, a0, 0.1*time*fps, da}]
Export["test.mov", frames, "FrameRate" → fps]
```

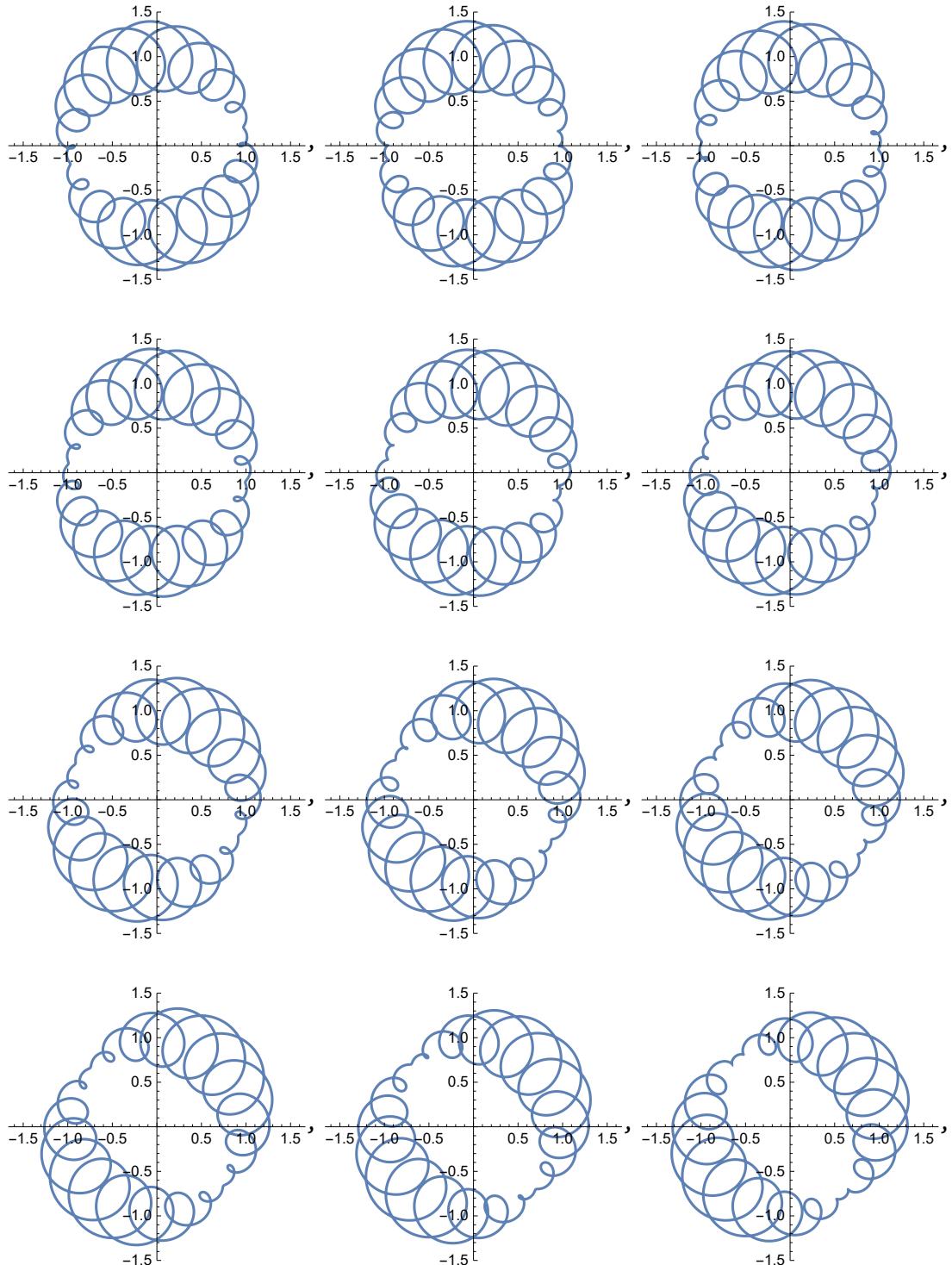


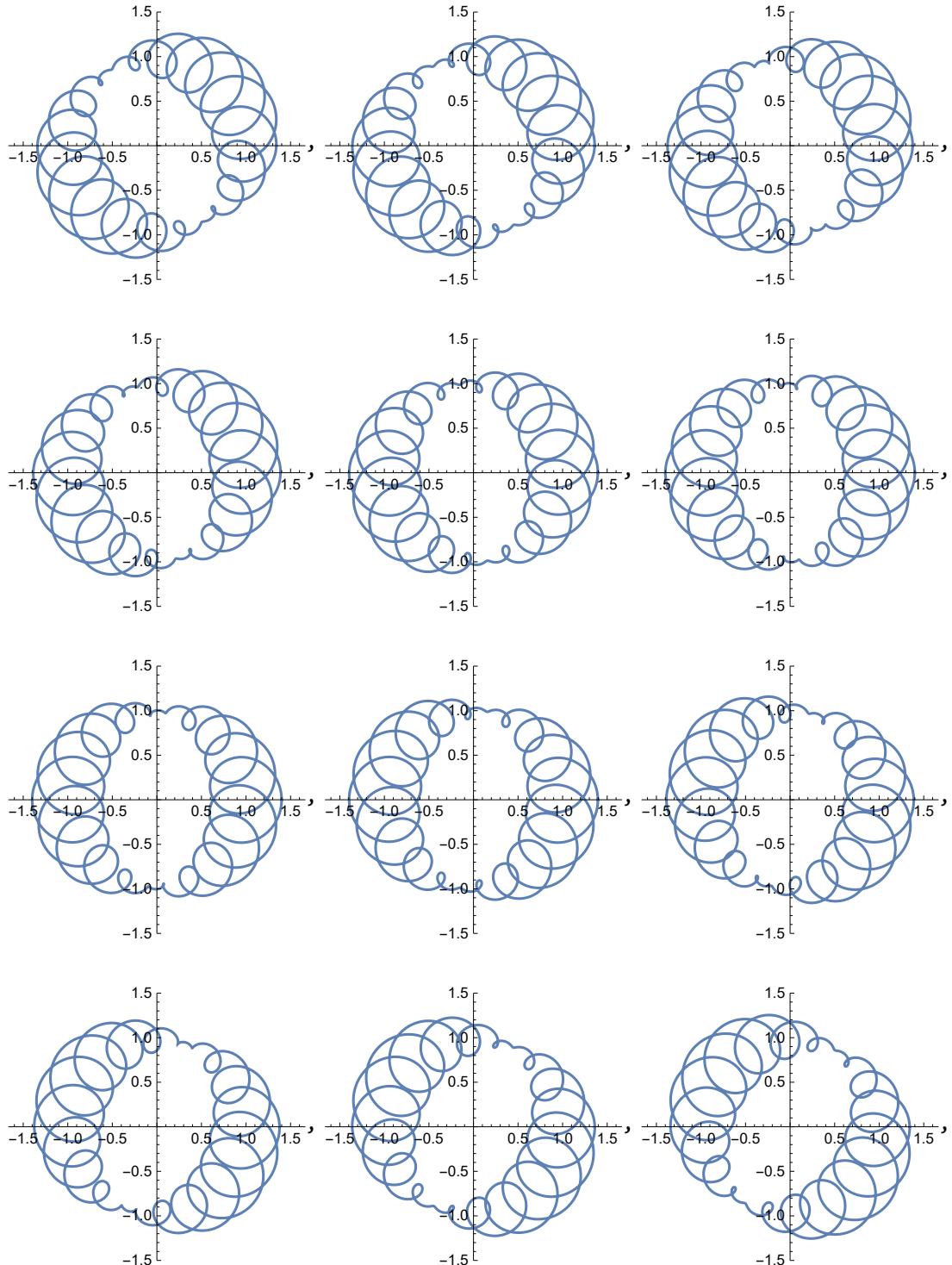


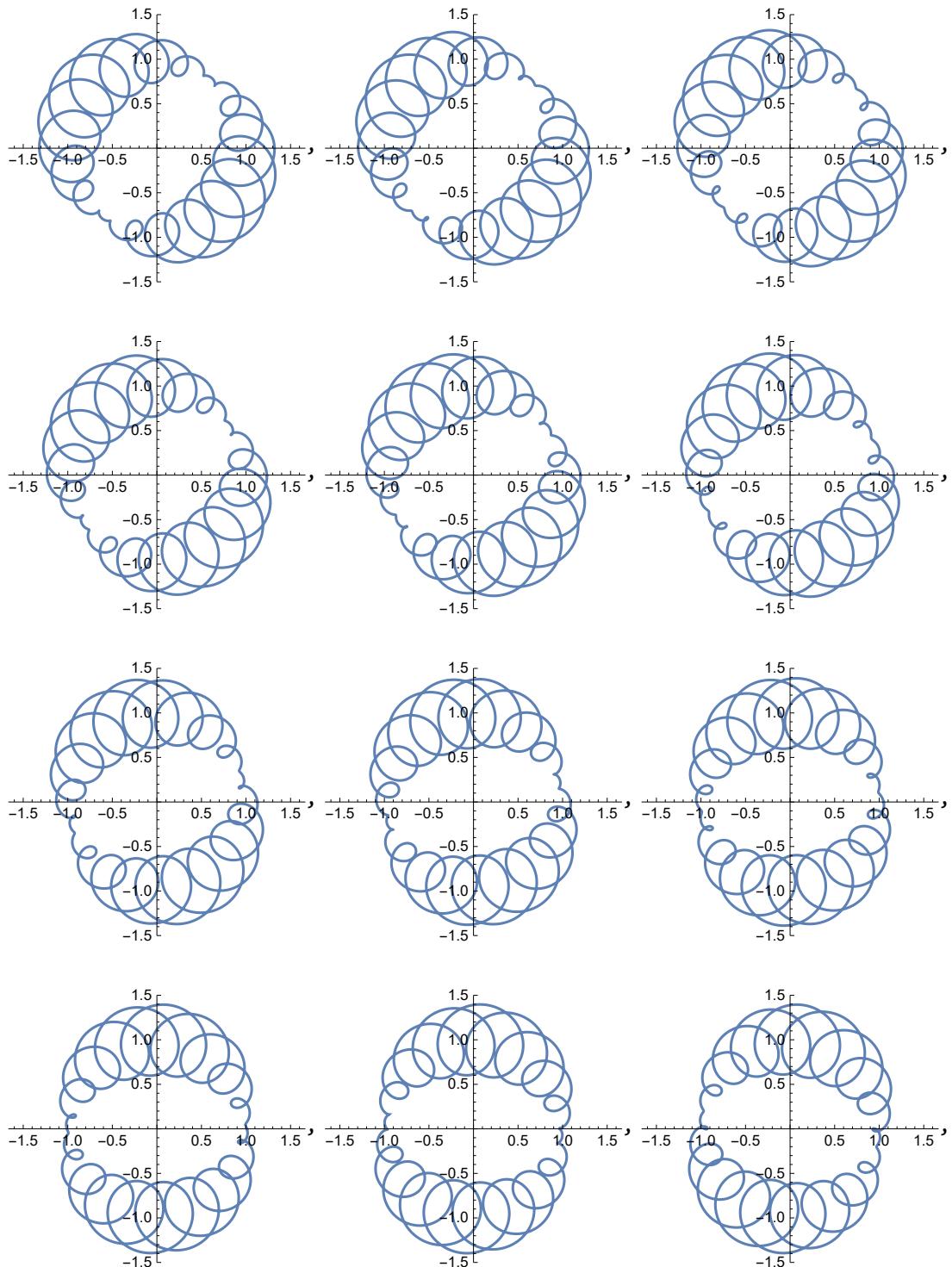


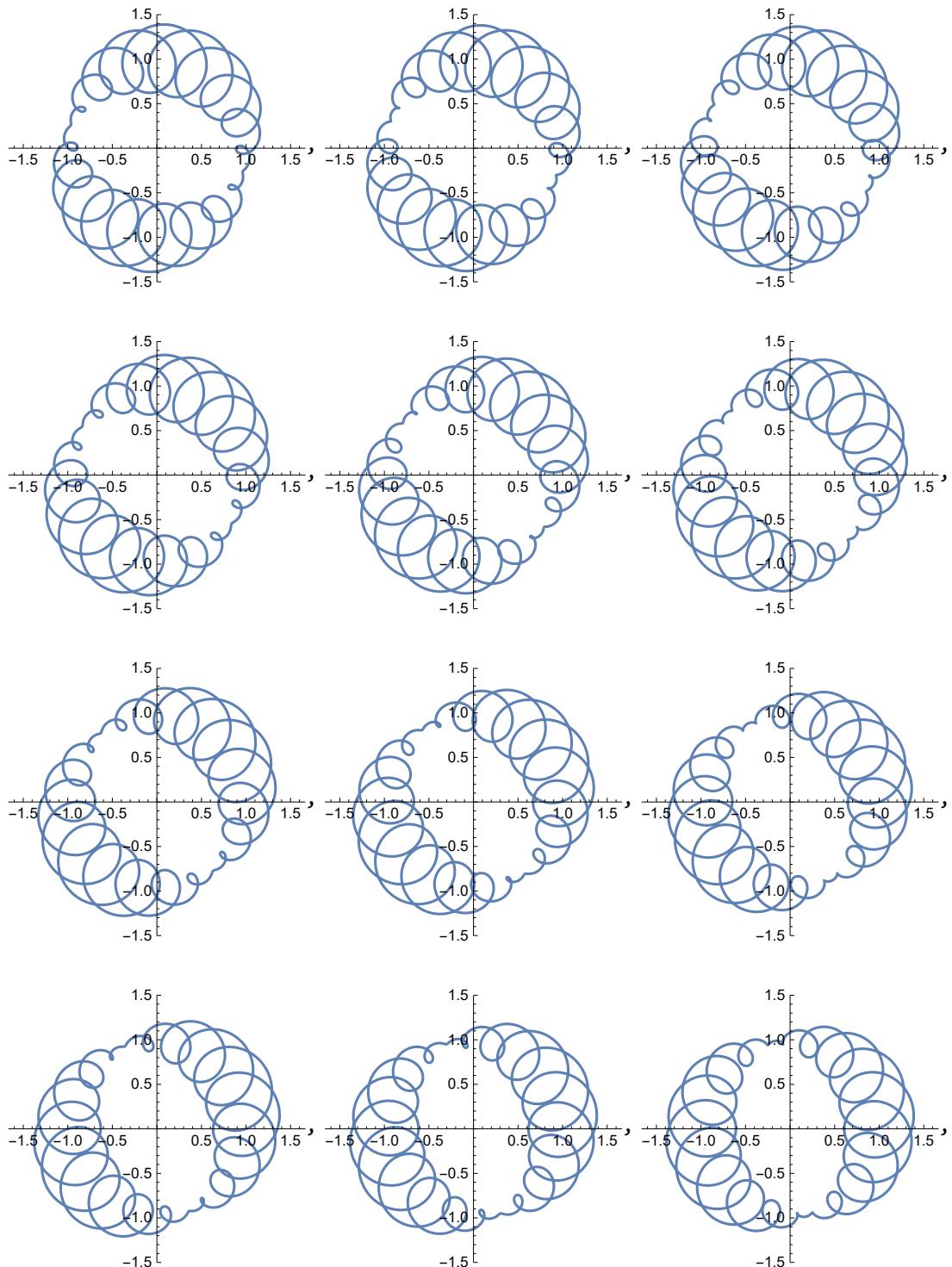


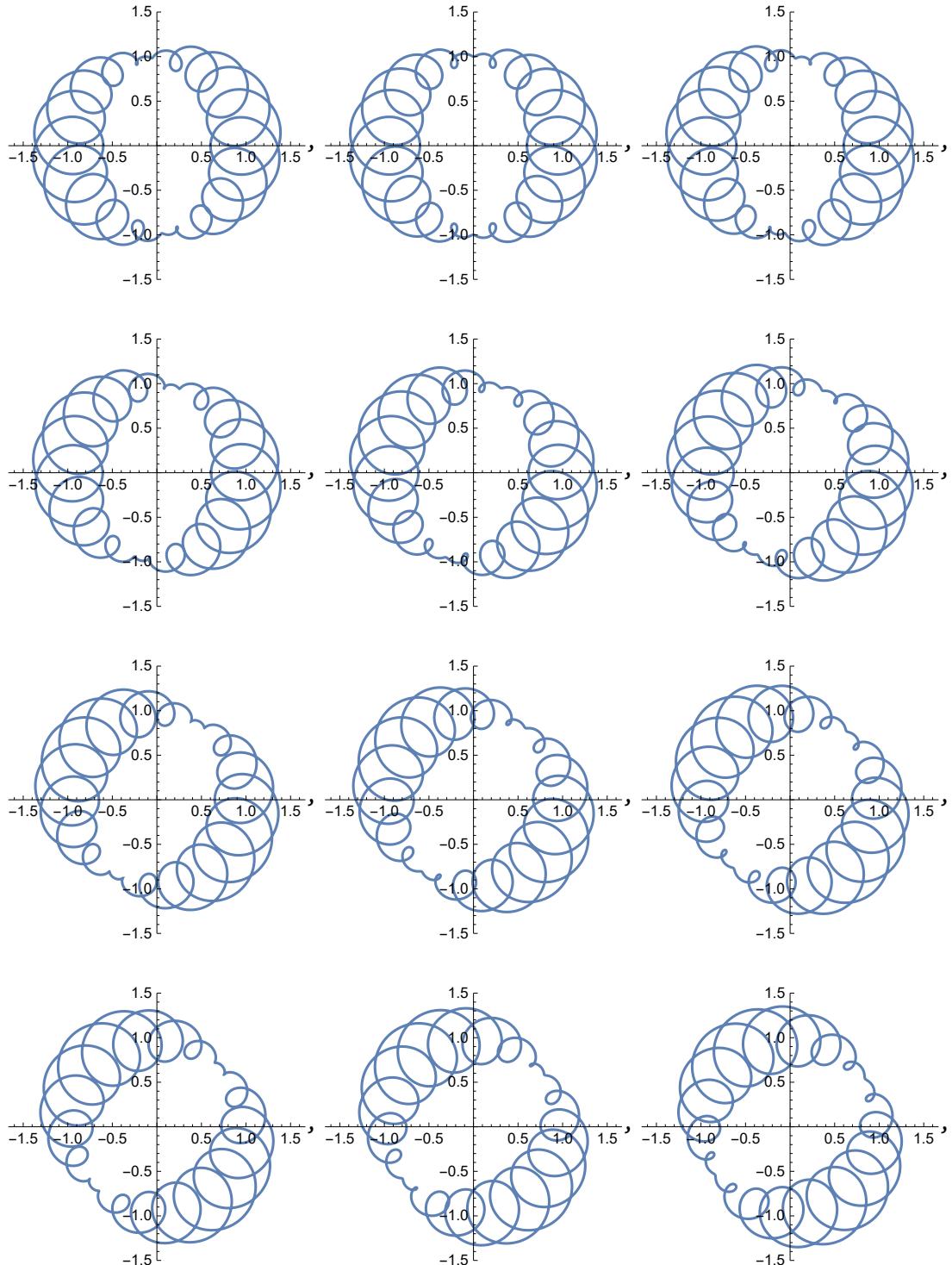


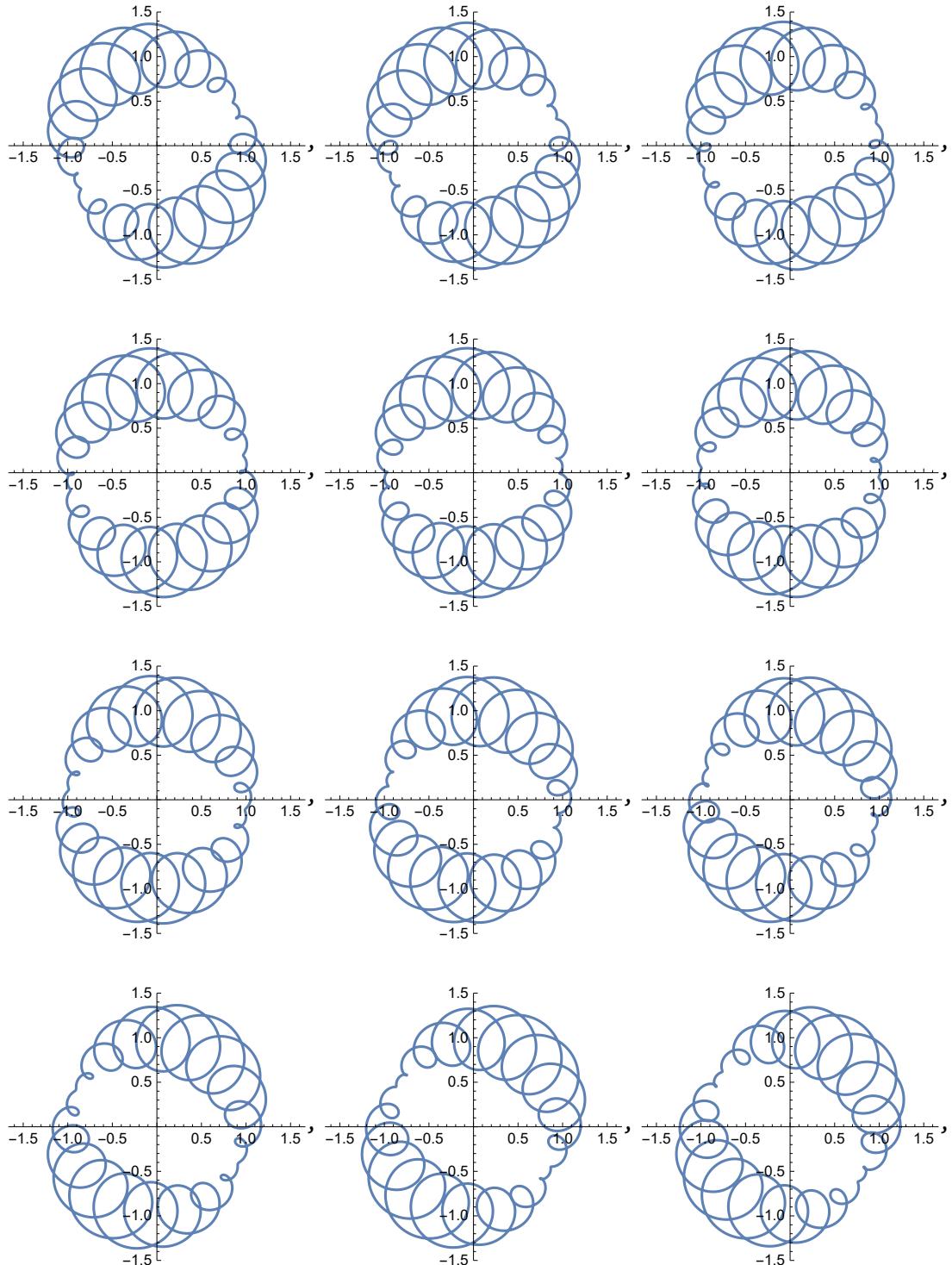


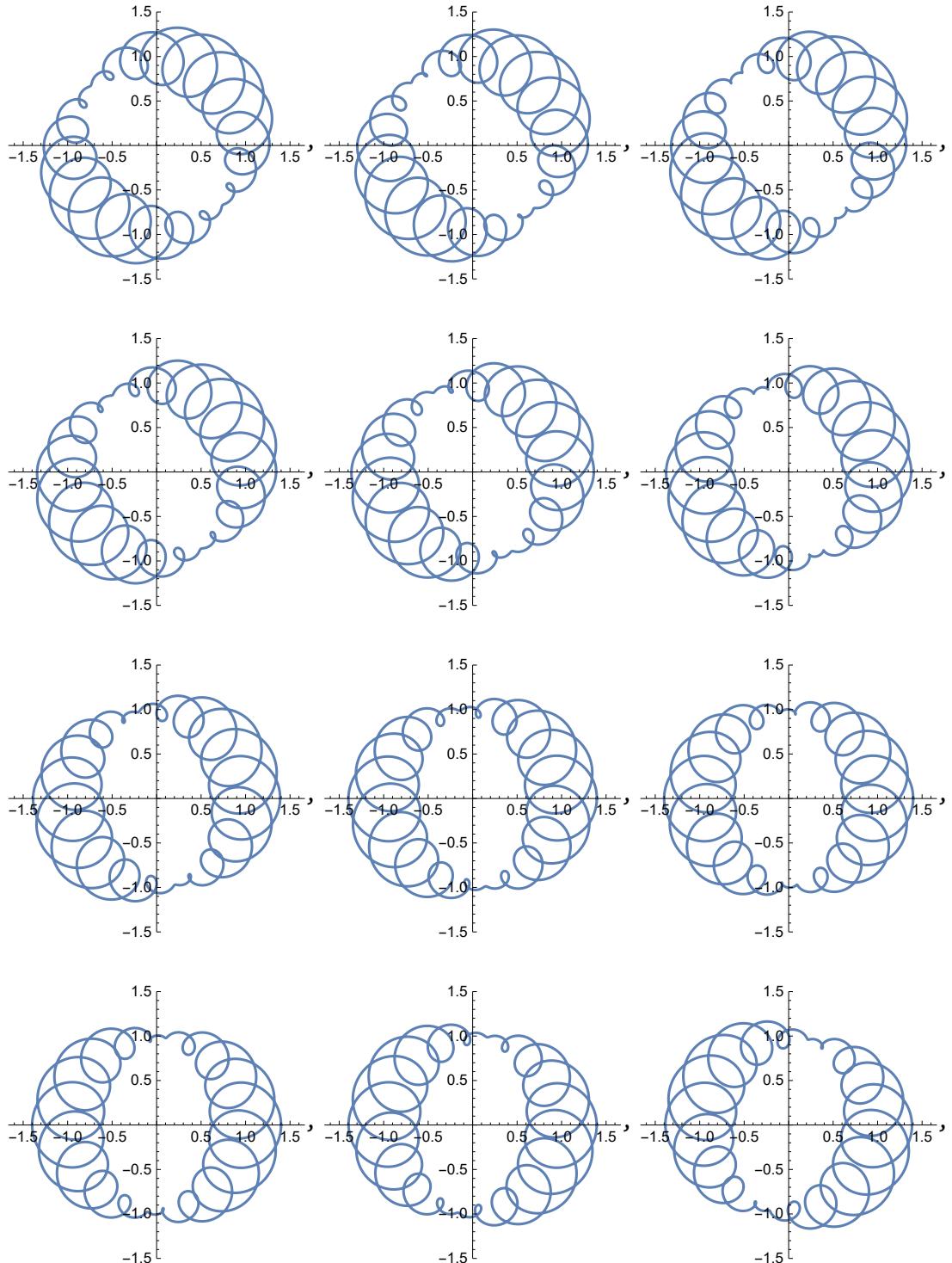


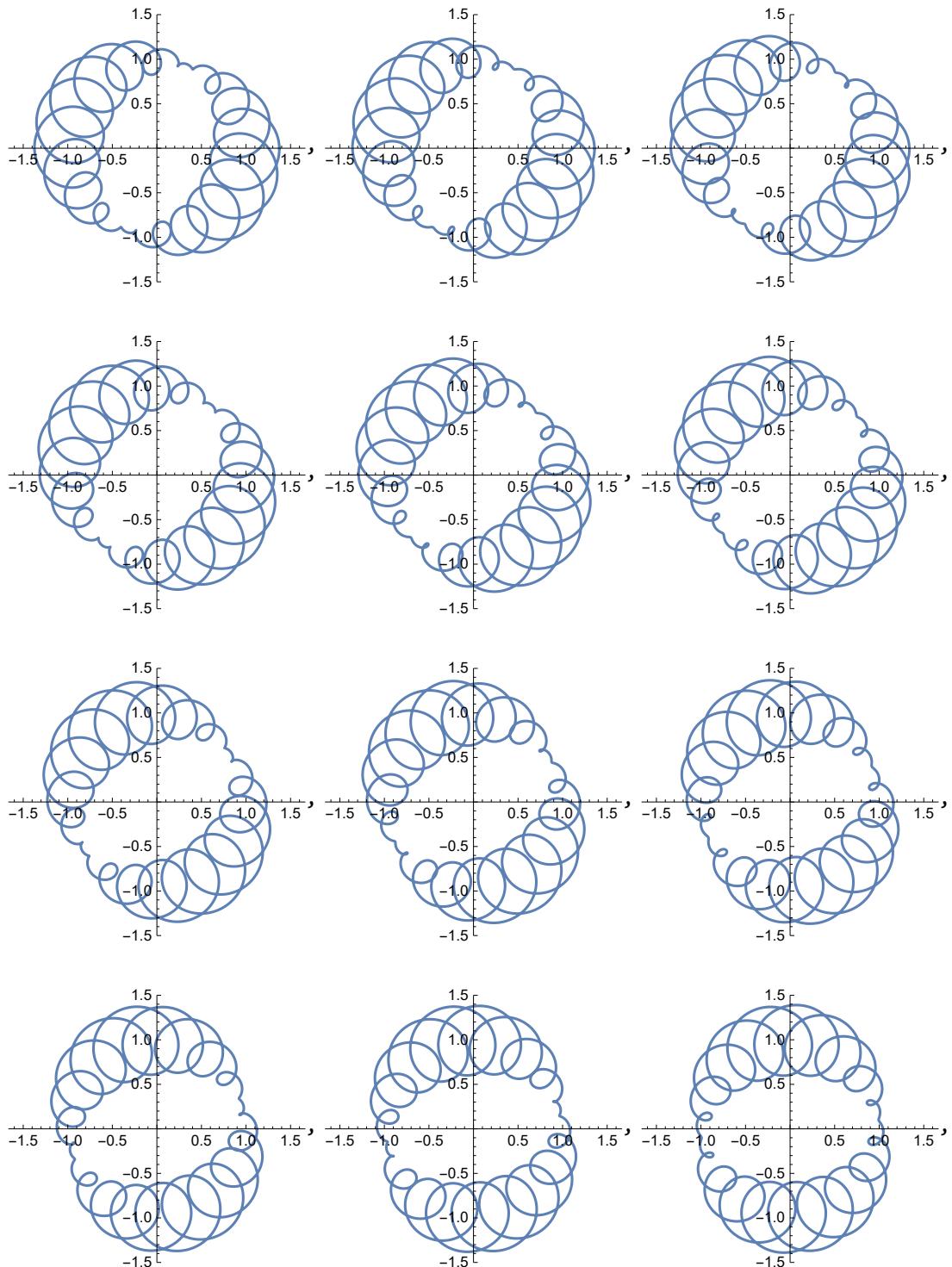


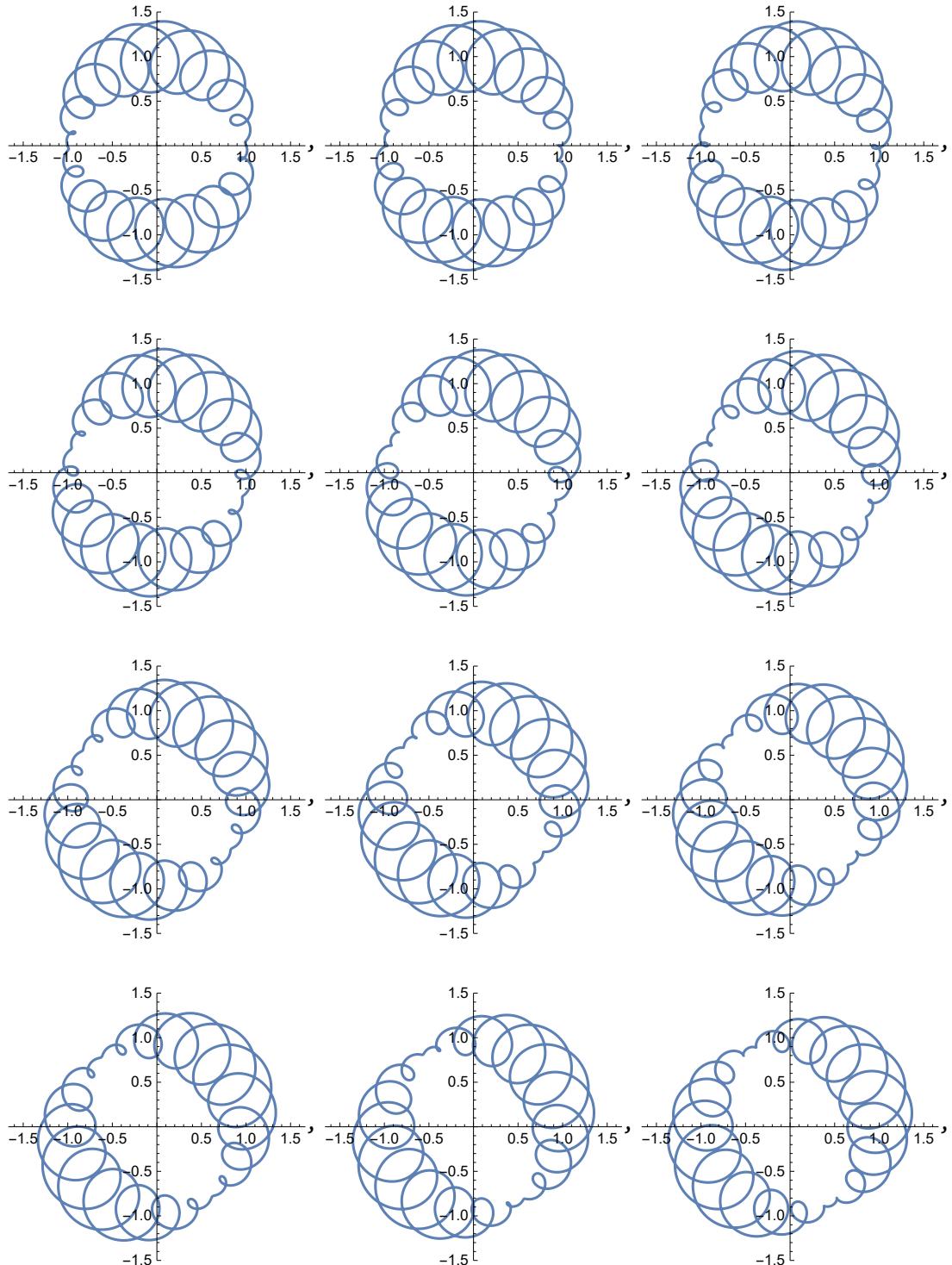


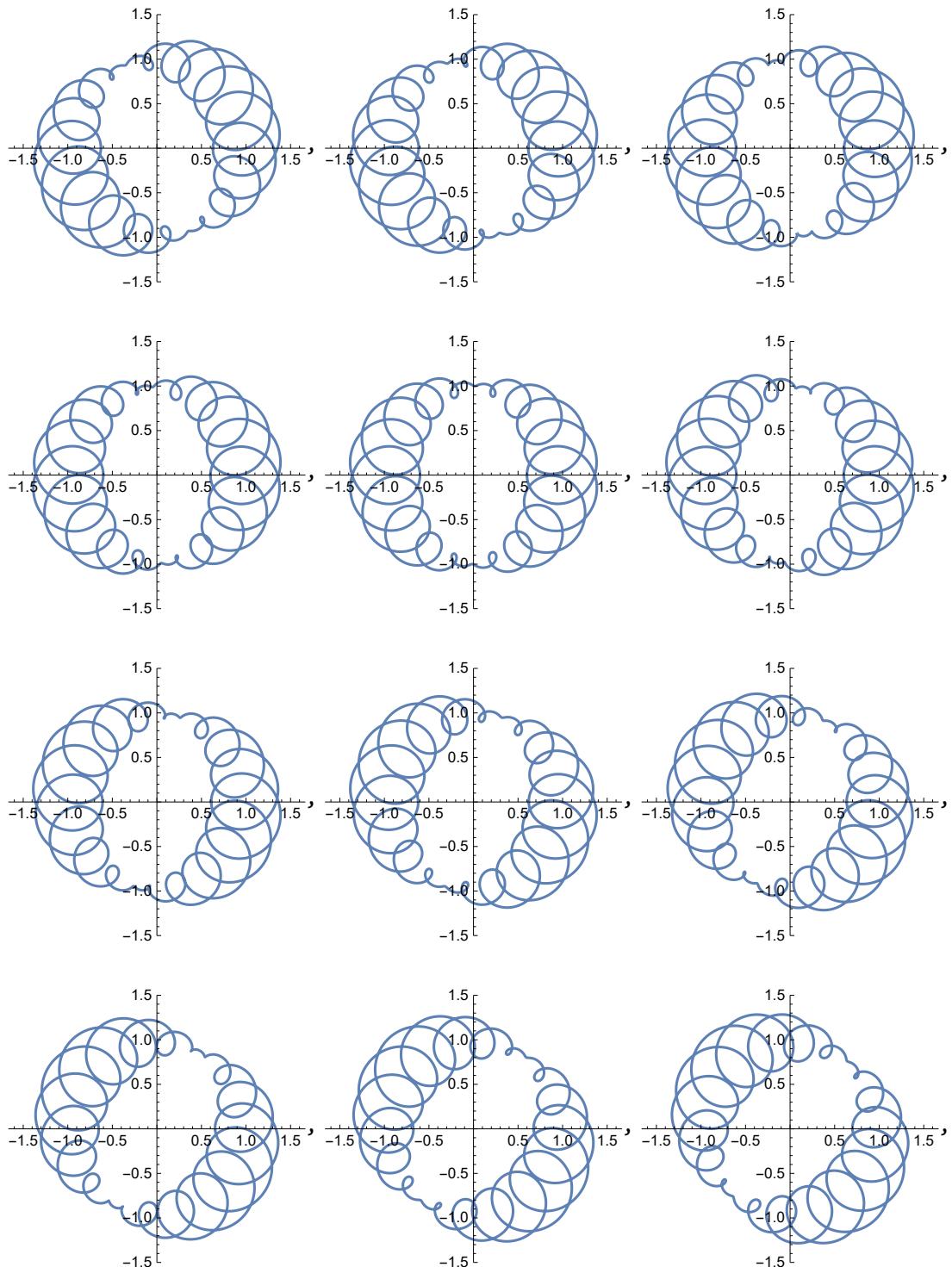


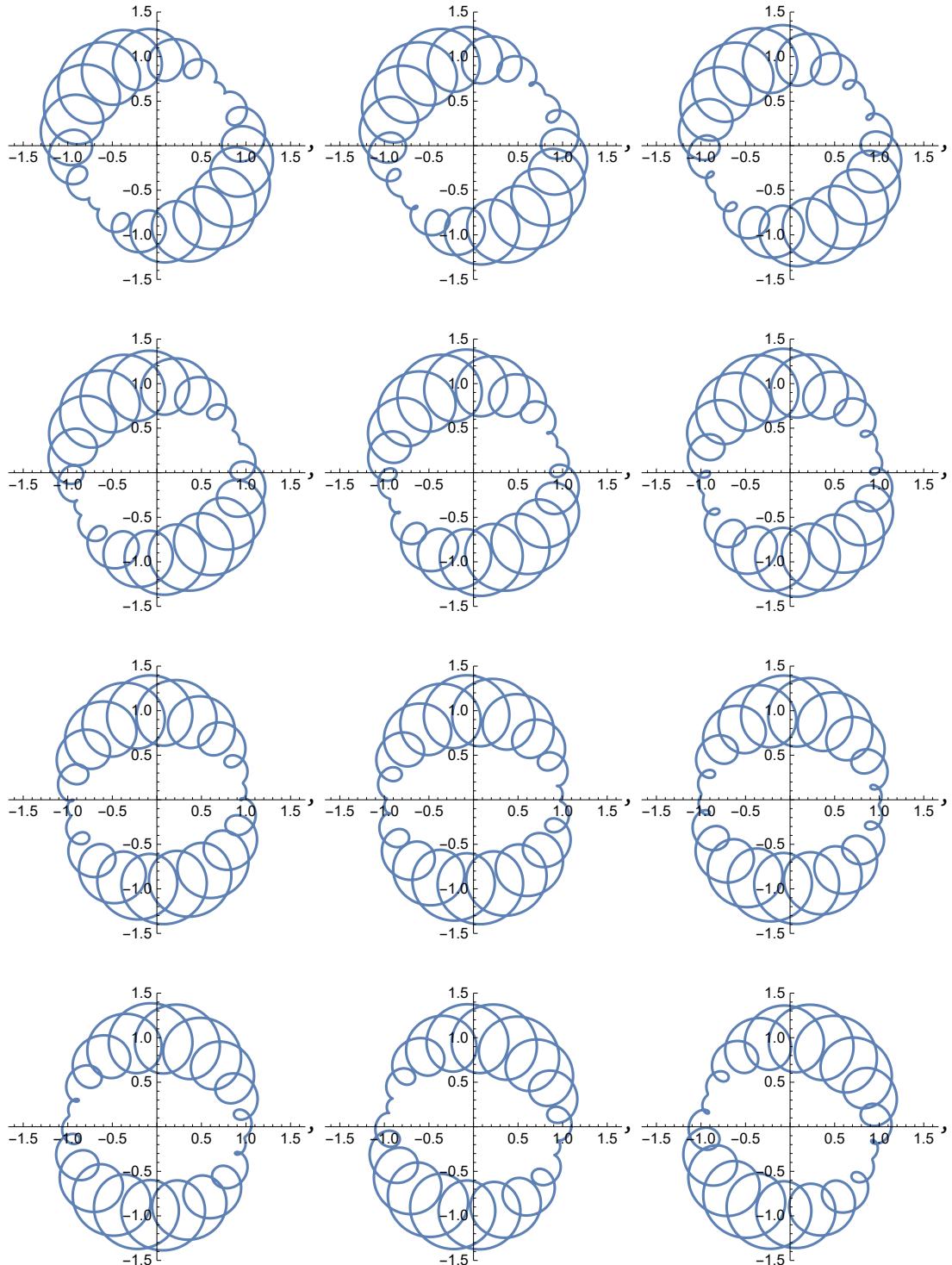


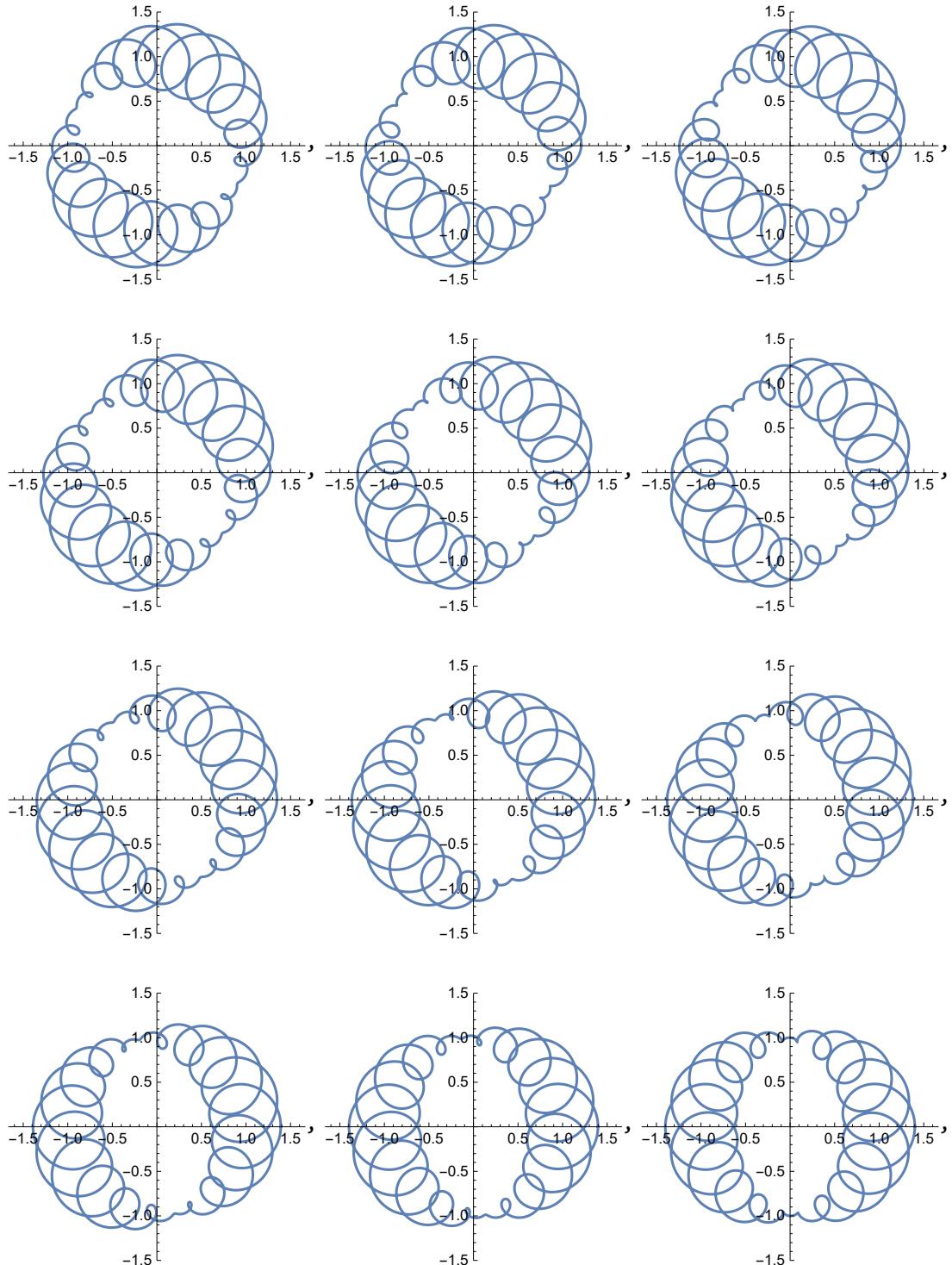


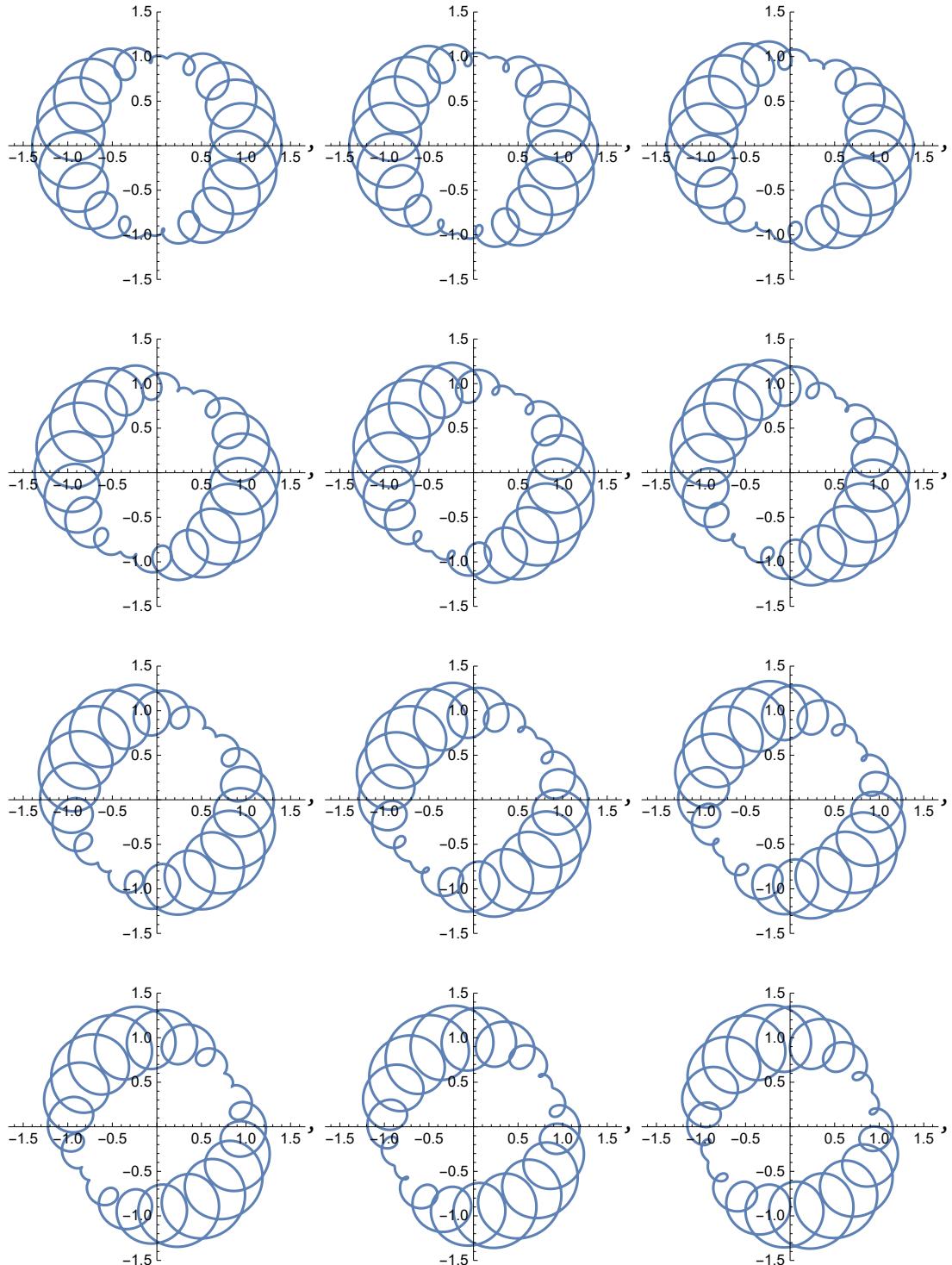


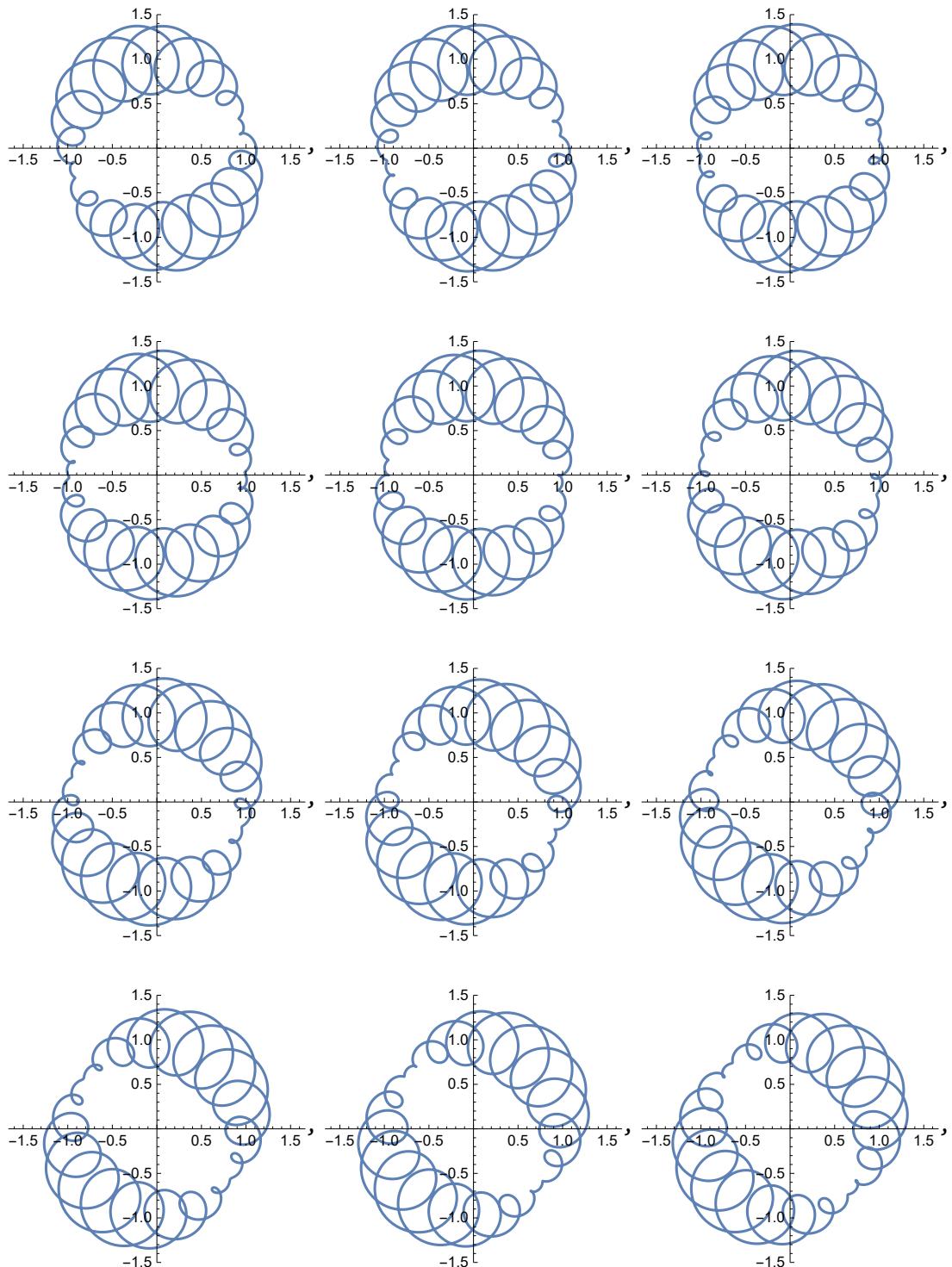


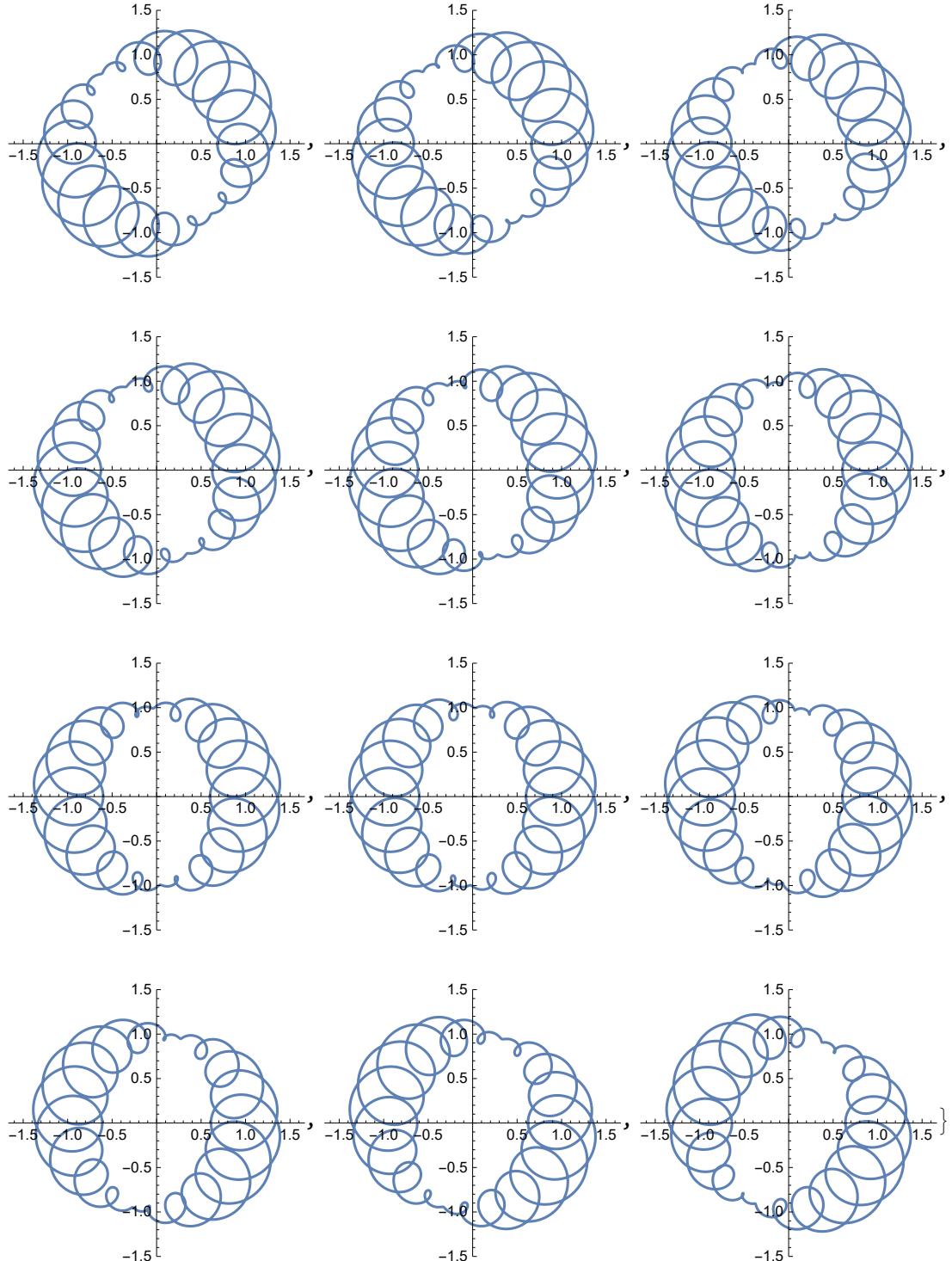












Out[65]= **test.mov**

In[67]:= **SystemOpen[DirectoryName[AbsoluteFileName["test.mov"]]]**

In[69]:=

In[68]:=