

In[ ]:=

```
S = NDSolve[{u''[t] == 2 * (v[t] - u[t]) / Norm[v[t] - u[t]]^3,  
v''[t] == 2 * (u[t] - v[t]) / Norm[v[t] - u[t]]^3, u[0] == {0, 0.5},  
v[0] == {0, -0.5}, u'[0] == {0.7, 0}, v'[0] == {-0.7, 0}}, {u, v}, {t, 0, 40}]
```

Out[ ]:= { {u → InterpolatingFunction[



Domain: {{0., 40.}}  
Output dimensions: {2}

],

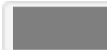


v → InterpolatingFunction[



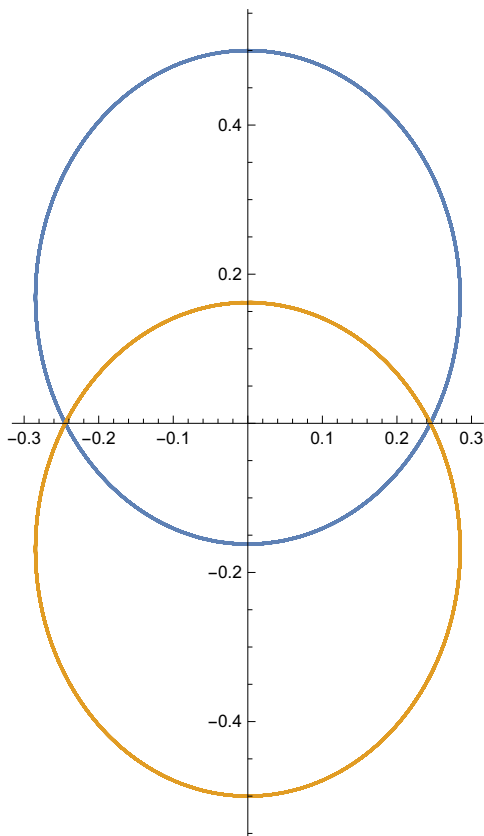
Domain: {{0., 40.}}  
Output dimensions: {2}

]] }



In[ ]:= ParametricPlot[Evaluate[u[t] /. S], Evaluate[v[t] /. S]], {t, 0, 40}]

Out[ ]:=



**Clear:** u'[0] is not a symbol or a string.

**Clear:** v'[0] is not a symbol or a string.

In[ ]:=