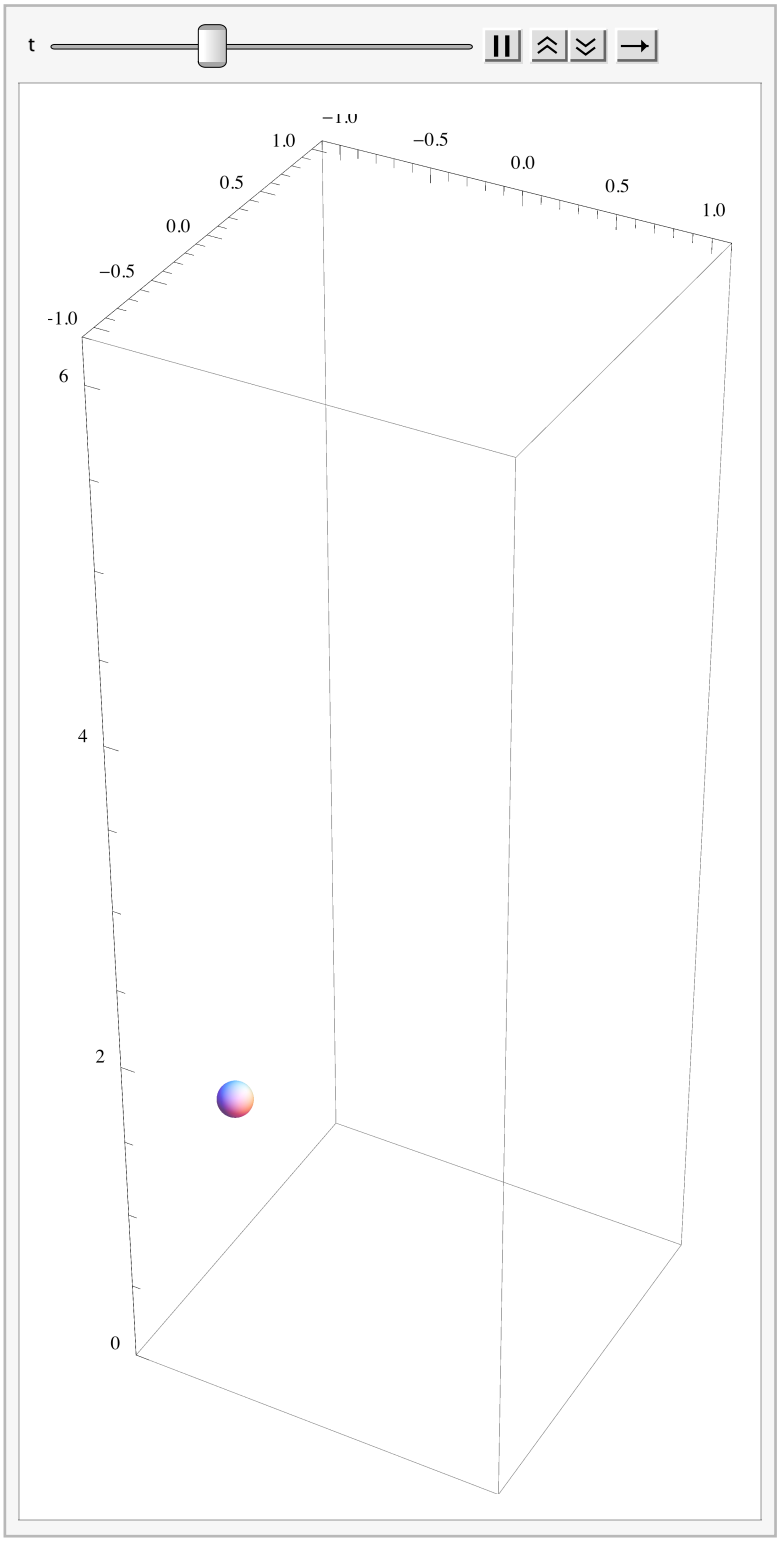
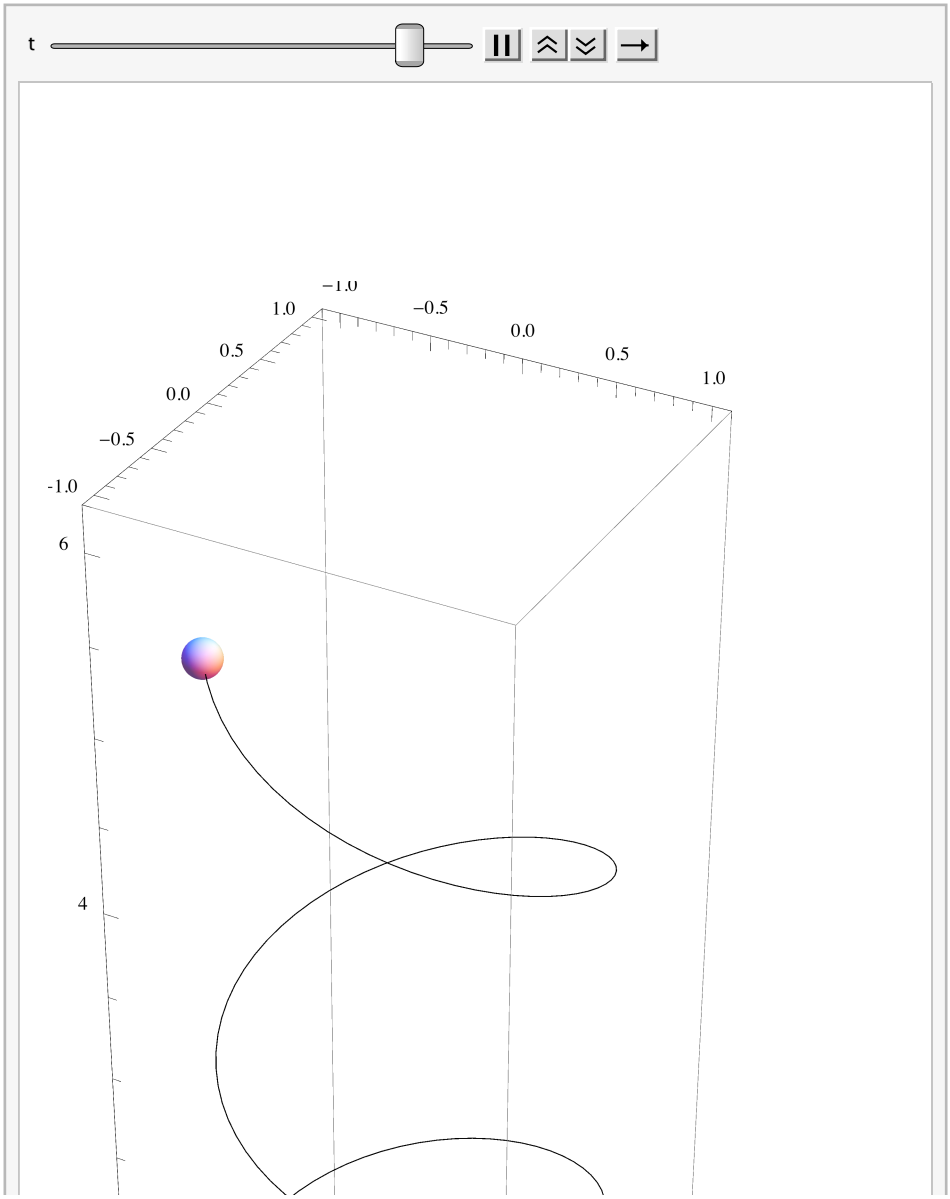
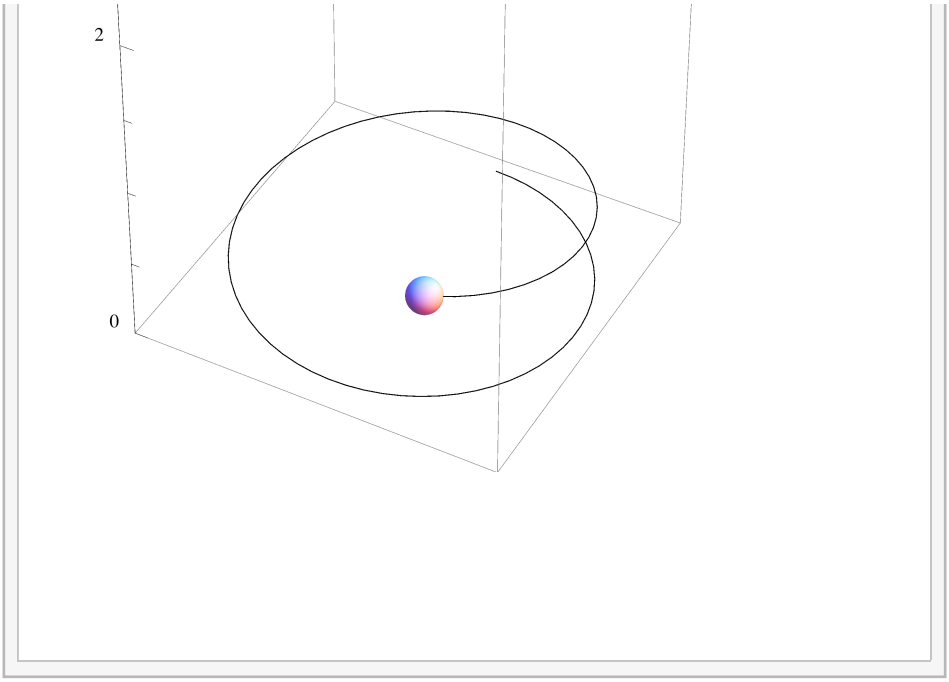
```
Animate[Graphics3D[{Sphere[
    {Sin[t], Cos[t], t^2 / 100},
    0.1]}, {Axes → True, PlotRange → {{-1.1, 1.1}, {-1.1, 1.1}, {0, 6.25}}}],
 {t, 0, 25}]
```

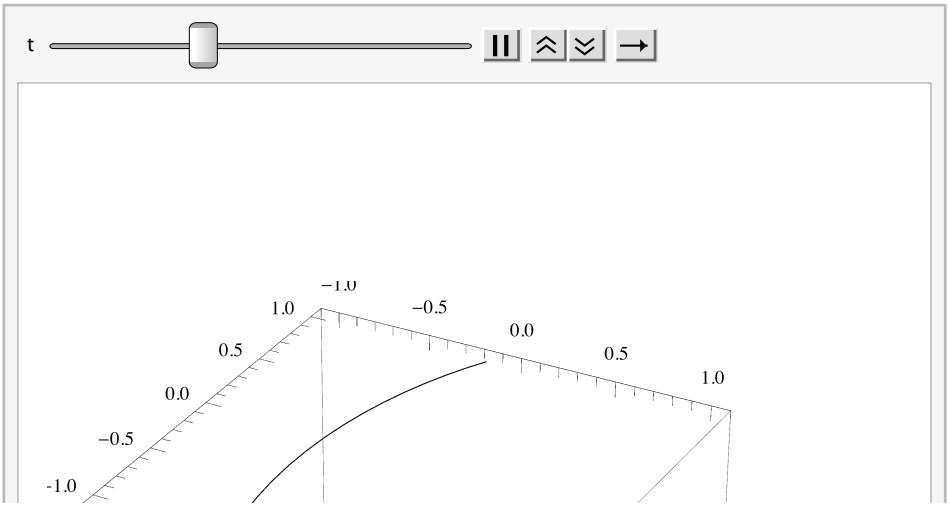


```
Animate[Graphics3D[{Sphere[
     {Sin[t], Cos[t], t^2 / 100},
     0.1],
    Line[Table[{Sin[s], Cos[s], s^2 / 100}, {s, 0, t, 0.1}]]
  }, {Axes → True, PlotRange → {{-1.1, 1.1}, {-1.1, 1.1}, {0, 6.25}}}],
 {t, 0, 25}]
```

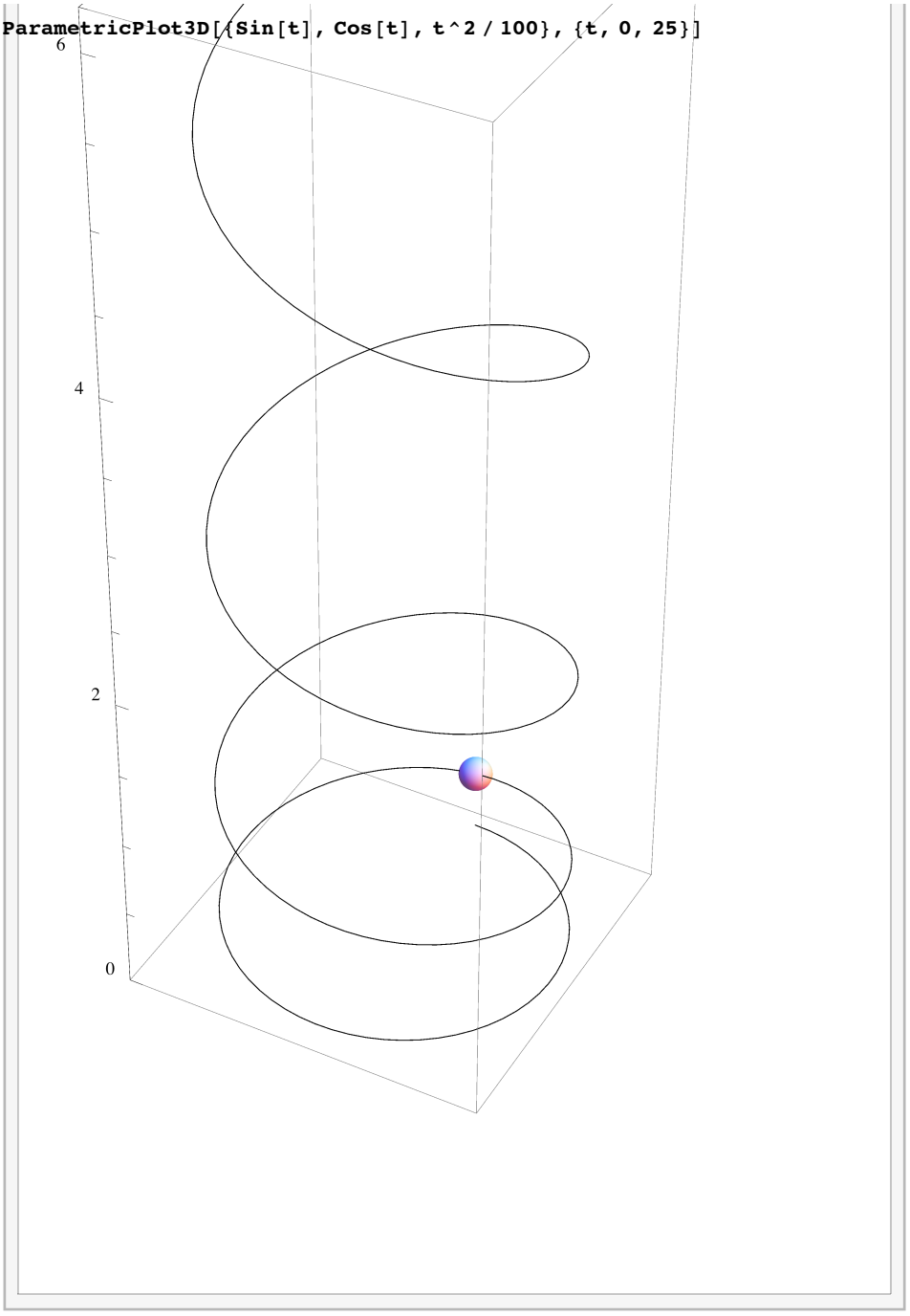


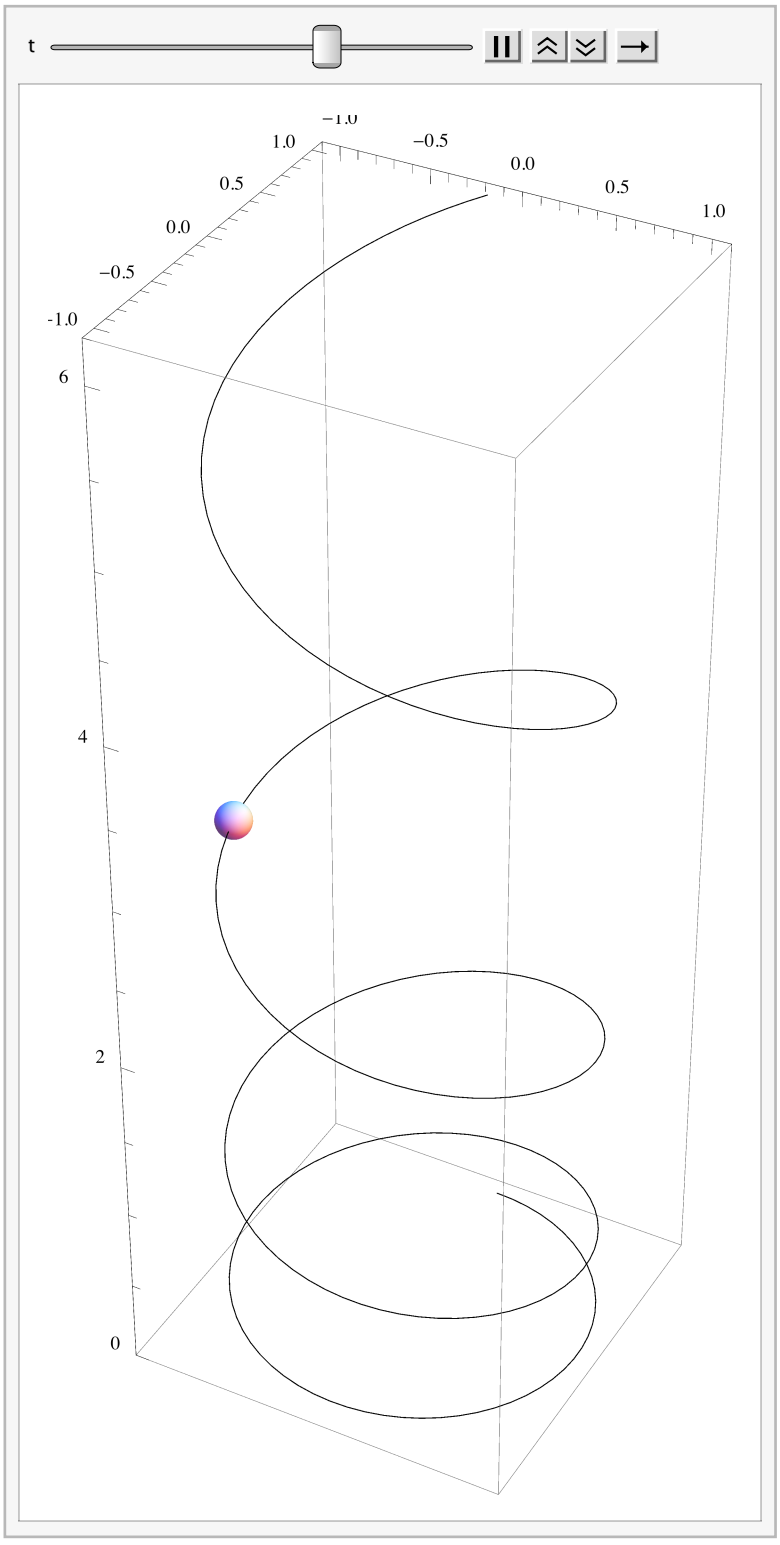



```
Animate[Graphics3D[{Sphere[
     {Sin[t], Cos[t], t^2 / 100},
     0.1],
   Line[Table[{Sin[s], Cos[s], s^2 / 100}, {s, 0, 25, 0.1}]]
  }, {Axes → True, PlotRange → {{-1.1, 1.1}, {-1.1, 1.1}, {0, 6.25}}}],
 {t, 0, 25}]
```

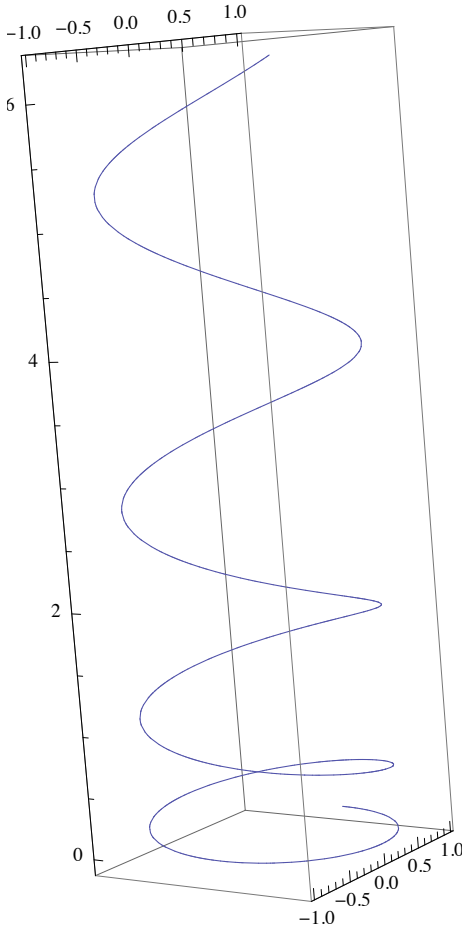


```
ParametricPlot3D[{Sin[t], Cos[t], t^2 / 100}, {t, 0, 25}]
```

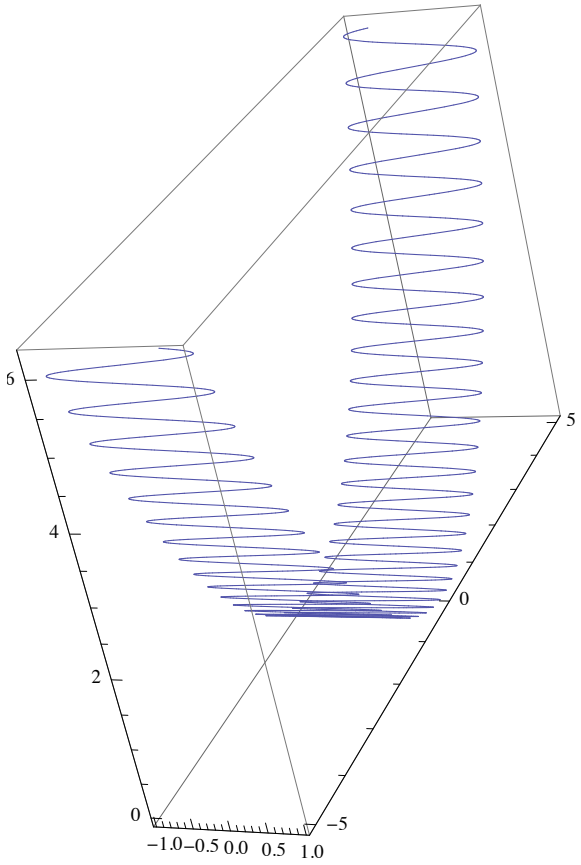



t
1.0
0.5
0.0
−0.5
-1.0
−1.0
−0.5
0.0
0.5
1.0
6
4
2
0

```
ParametricPlot3D[{Sin[t], Cos[t], t^2 / 100}, {t, 0, 25}]
```



```
ParametricPlot3D[{Sin[5 * t], t / 5, t^2 / 100}, {t, -25, 25}]
```




```
ParametricPlot3D[{t^2, t^2, t}, {t, -1, 1}]
```