**Set**
赋值

**DownValues**
下值

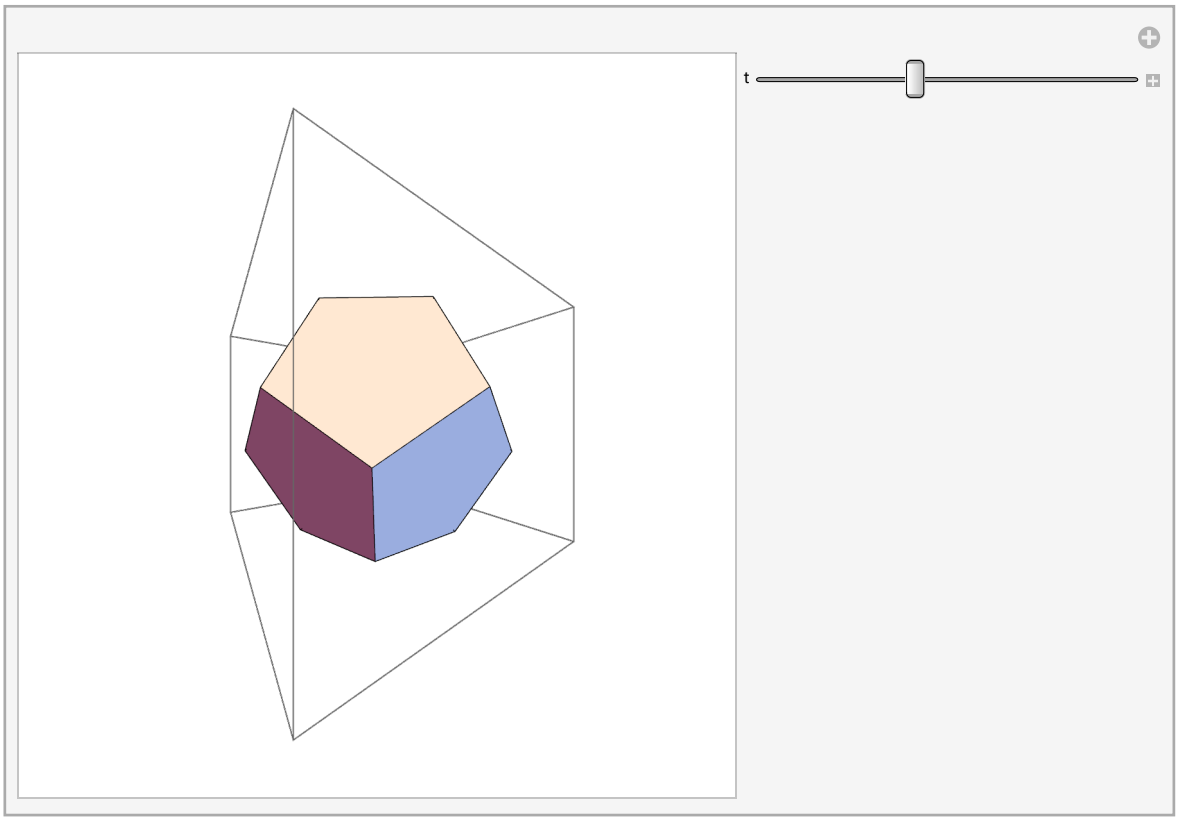
**UpValues**
上值

**Trace**
追踪

**Evaluate**
计算

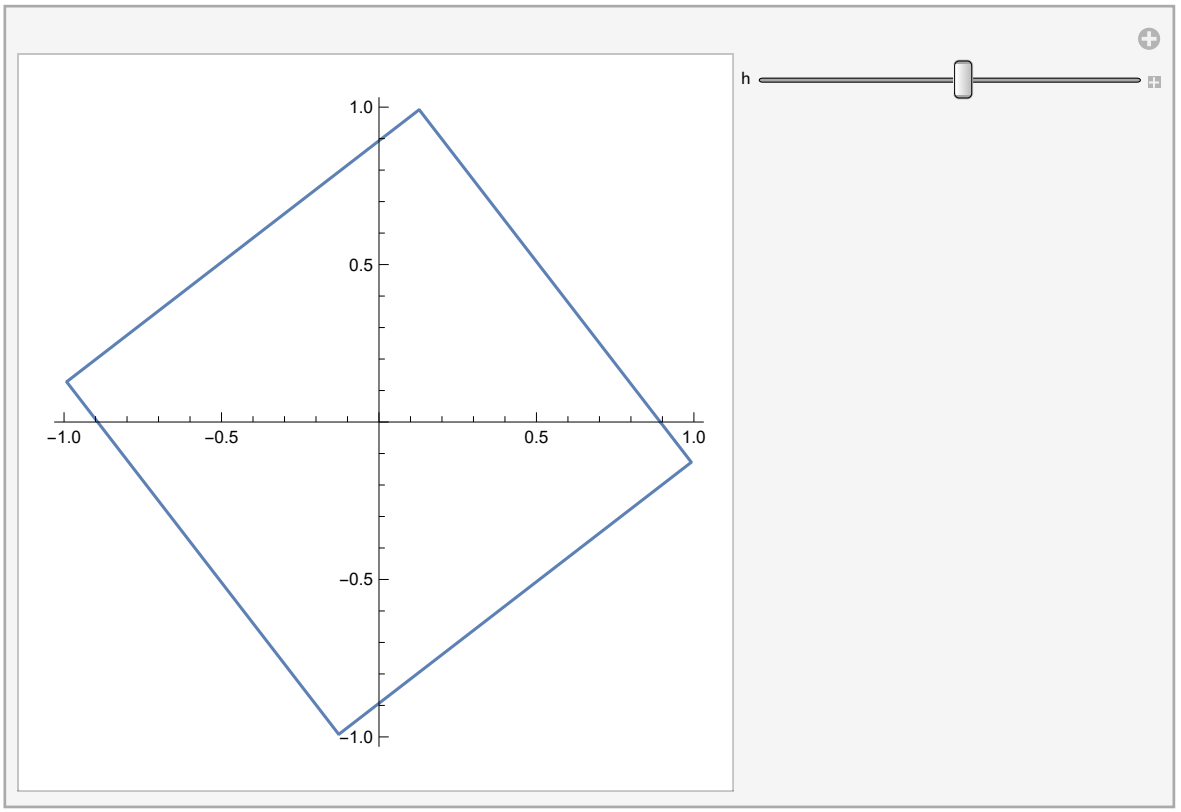
In[ ]:=
```
Manipulate[
  Show[PolyhedronData["Dodecahedron", "Graphics3D"],
   ViewPoint → {Cos[t], Sin[t], 0},
   SphericalRegion → True],
  {t, 0, 2 π}]
```
交互式操作 显示 多面体数据 十二面体 三维图形 视点 余弦 正弦 球面区域 真

Out[ ]=



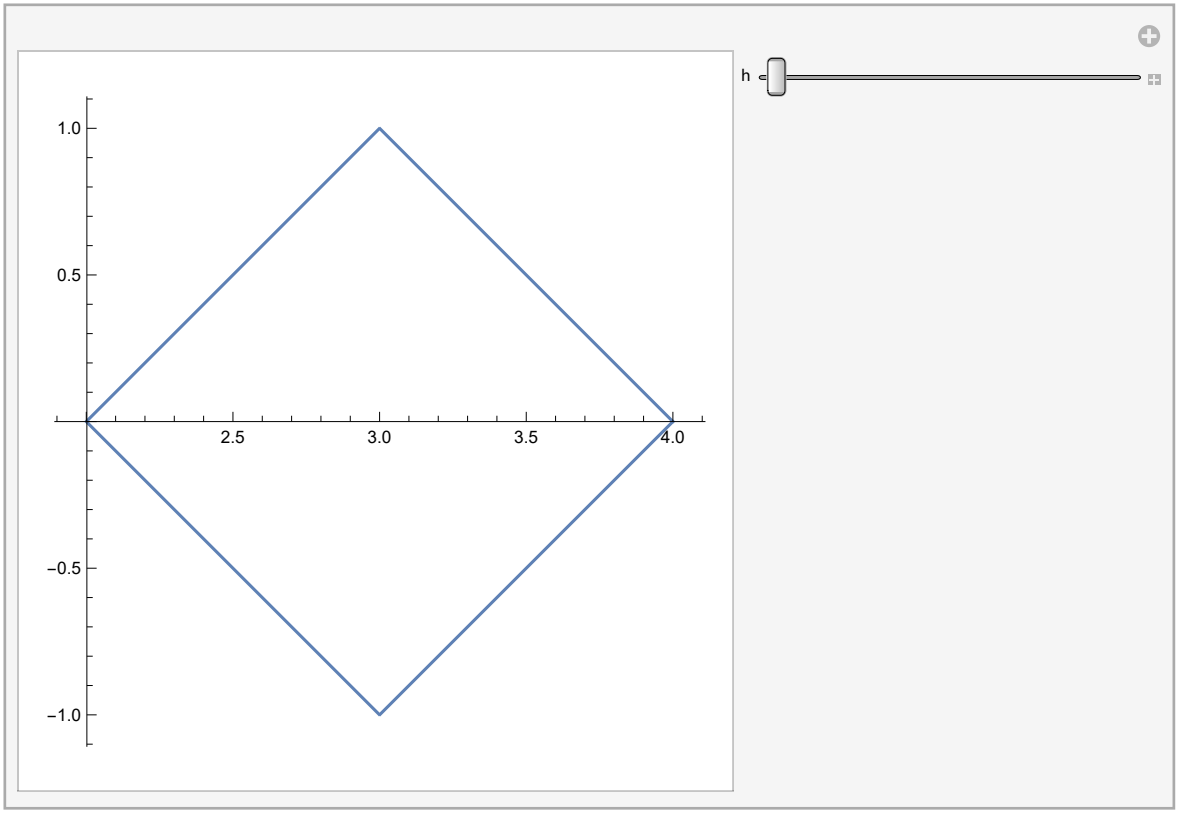
In[ ]:=
```
Manipulate[
 PolarPlot[Cos[π/4] Sec[π/4 - Mod[h + t, π/2]], {t, 0, 2 π}],
 {h, 0, π}]
```
交互式操作 极坐标图 余弦 正割 模余

Out[ ]=



In[ ]:=
```
Manipulate[
  ParametricPlot[{Cos[t], Sin[t]} Cos[π/4] Sec[π/4 - Mod[h + t, π/2]] + {3, 0}, {t, 0, 2π}],
  {h, 0, π}]
```
交互式操作 绘制参数图 余弦 正弦 余弦 正割 模余

Out[ ]=



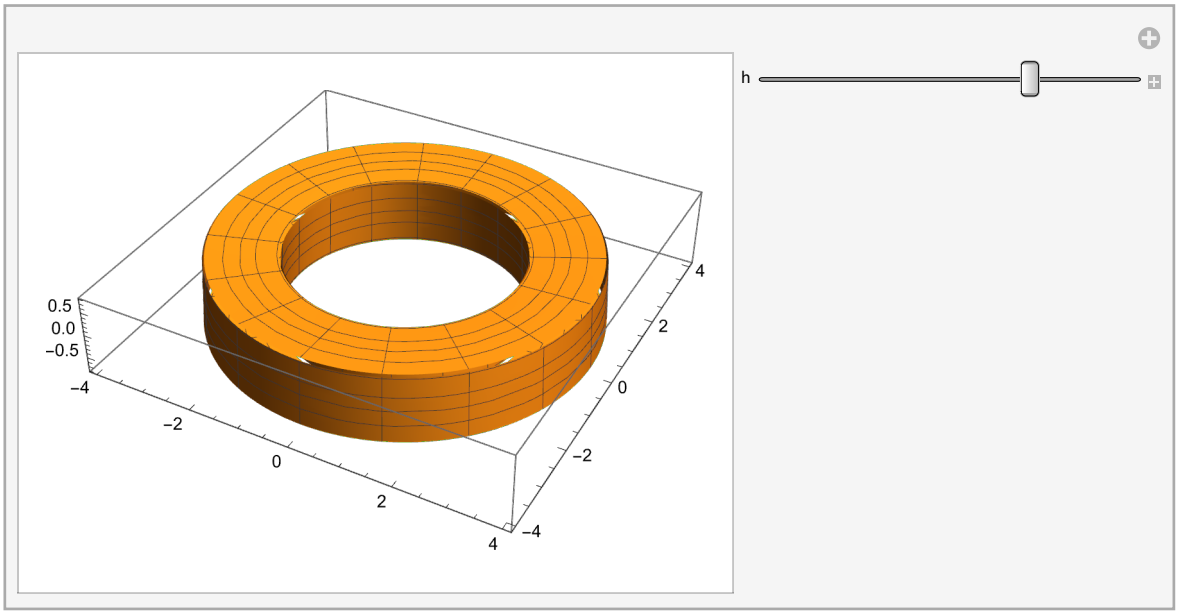

In[ ]:=
```
CoordinateTransform["Polar" → "Cartesian", {Cos[π / 4] Sec[π / 4 - Mod[t, π / 2]], t}]
```
坐标变换 余弦 正割 模余

Out[ ]=

$$\left\{\frac{\text{Cos}[t]\ \text{Sec}\left[\frac{\pi}{4}-\text{Mod}\left[t,\frac{\pi}{2}\right]\right]}{\sqrt{2}},\ \frac{\text{Sec}\left[\frac{\pi}{4}-\text{Mod}\left[t,\frac{\pi}{2}\right]\right]\ \text{Sin}[t]}{\sqrt{2}}\right\}$$

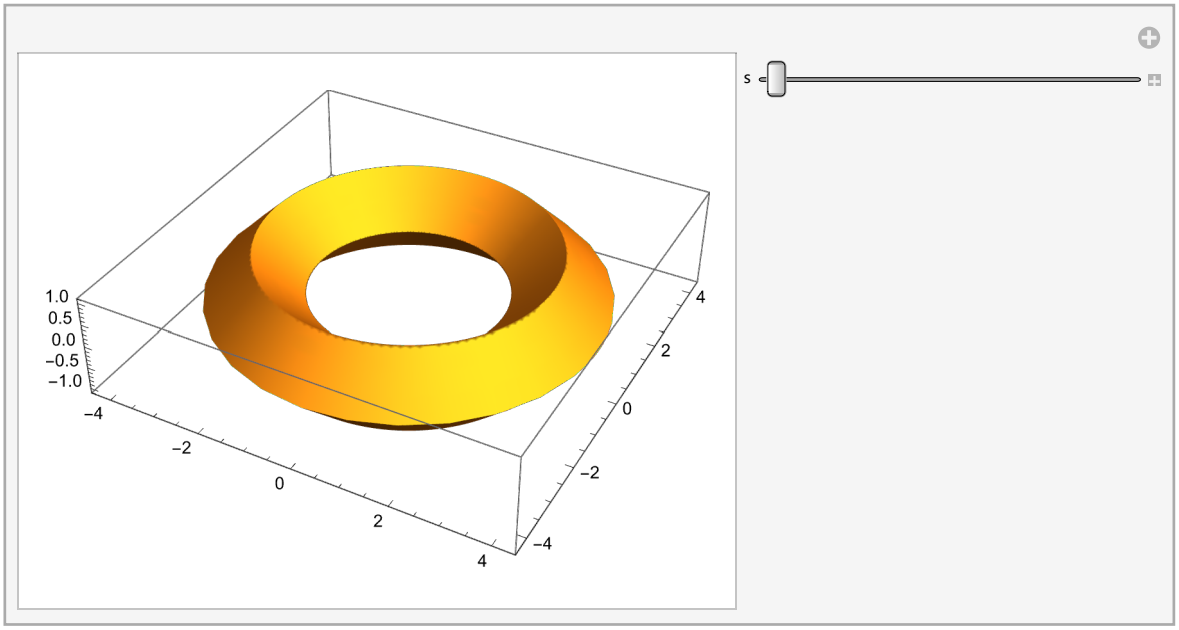
In[ ]:=
```
Manipulate[
  交互式操作
  RevolutionPlot3D[
    绘制三维旋转图
    {Cos[t] Sec[π/4 - Mod[h + t, π/2]]/√2 + 3, Sec[π/4 - Mod[h + t, π/2]] Sin[t]/√2}, {t, 0, 2 π}],
  {h, 0, π}]
```

Out[ ]=



In[ ]:=
```
Manipulate[
 交互式操作
 ParametricPlot3D[
 绘制三维参数图
  x = Cos[v] Sec[π/4 - Mod[s u + v, π/2]] / Sqrt[2] + 3;
  y = Sec[π/4 - Mod[s u + v, π/2]] Sin[v] / Sqrt[2];
  {x Cos[u], x Sin[u], y},
   余弦   正弦
  {u, 0, 2 π}, {v, 0, 2 π},
  Mesh → None, MaxRecursion → 5],
  网格   无   最大递推
 {s, 0, 3}]
```

Out[ ]=



In[ ]:=
```
Manipulate[
 交互式操作
  ParametricPlot3D[
  绘制三维参数图
   x = Abs[Cos[v + s u]]^(2/n) Sign[Cos[v + s u]] + 3;
                                 …    余弦
   y = Abs[Sin[v + s u]]^(2/n) Sign[Sin[v + s u]];
                                 …    正弦
   {x Cos[u], x Sin[u], y},
     余弦        正弦
   {u, 0, 2 π}, {v, 0, 2 π},
   Mesh → None, MaxRecursion → 5],
  网格   无     最大递推
 {s, 0, 3}, {n, 1, 4, 1}]
```

Out[ ]=