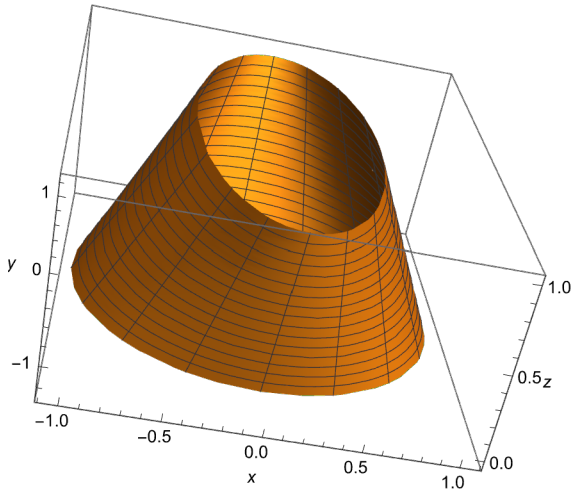
Bridge@Lofting

基本放样

In[ ]:=
```
bridge[l1_, l2_, u_] :=
 ParametricPlot3D[{v l1 + (1 - v) l2}, u, {v, 0, 1}, AxesLabel → {x, y, z}]
```
绘制三维参数图　　坐标轴标签

```
bridge[{Cos[θ], Sin[θ], 0}, {0.5 Cos[θ], 1.2 Sin[θ], 1}, {θ, 0, 2 π}]
```
余弦　正弦　余弦　正弦

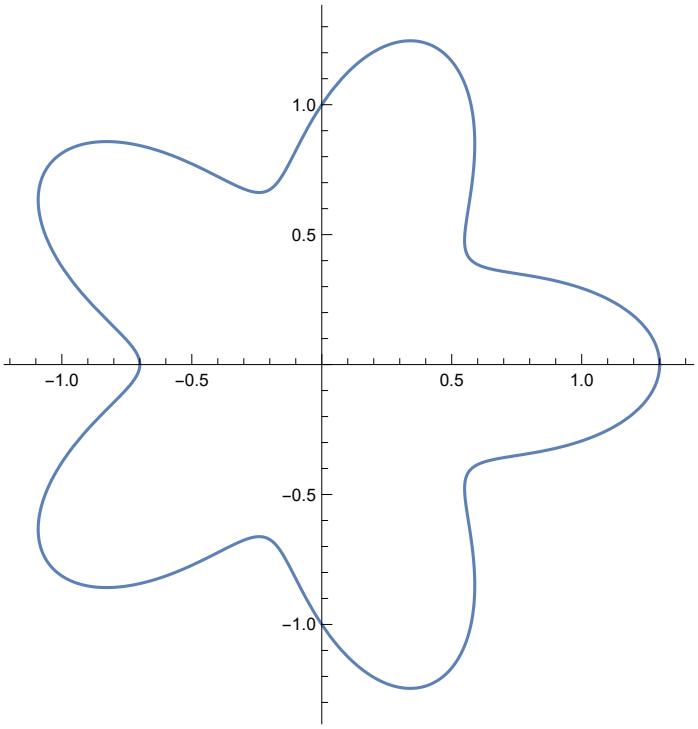
Out[ ]=



In[ ]:=
```
flower[θ_, n_ : 5] := {Cos[θ], Sin[θ]} (1 + 0.3 Cos[n θ])
```
余弦 正弦 余弦

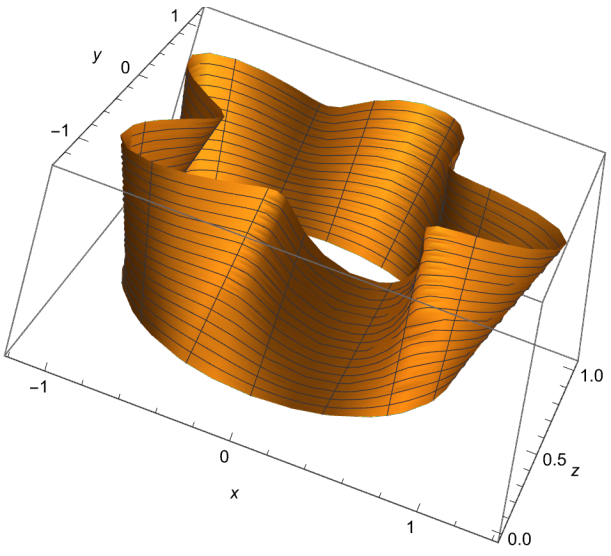
```
ParametricPlot[flower[θ], {θ, 0, 2 π}]
```
绘制参数图

Out[ ]=



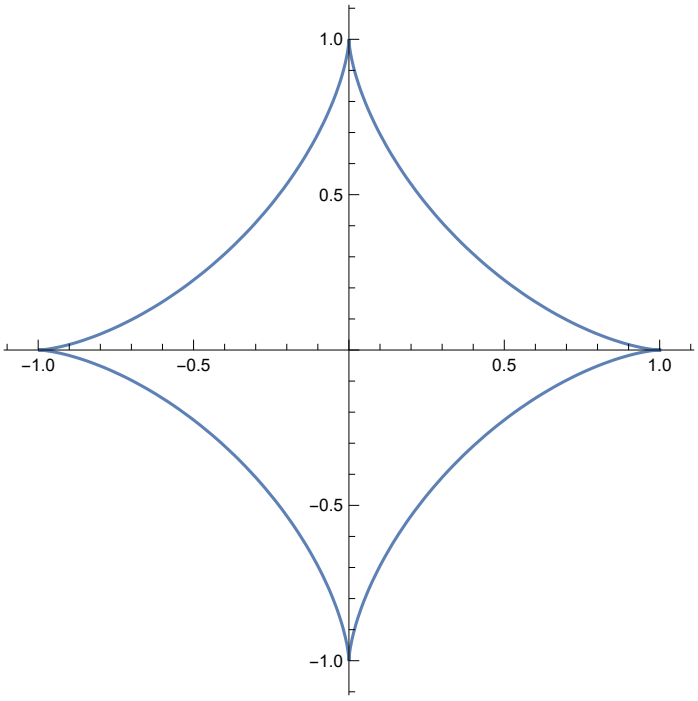
In[ ]:=
```
bridge[{Cos[θ], Sin[θ], 0}, Append[flower[θ], 1], {θ, 0, 2 π}]
```
余弦 正弦 追加

Out[ ]=



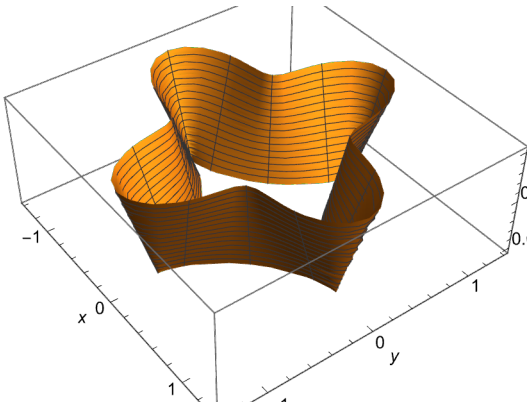
In[ ]:=
```
astroid = PlaneCurveData["Astroid", "ParametricEquations"][1];
```
平面曲线数据
```
ParametricPlot[astroid[x], {x, 0, 2 π}]
```
绘制参数图

Out[ ]=



In[ ]:=
```
bridge[Append[astroid[θ], 0], Append[flower[θ, 4], 1], {θ, 0, 2 π}]
```
追加　追加

Out[ ]=




```
Append
```
追加

Out[ ]=