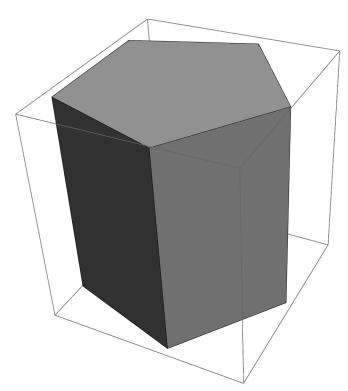
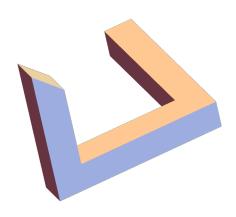
齿轮

```
In[*]:= extrude[p_Polygon, z_] :=
         多边形
 \label{lem:module pts = p[1]}, Polygon / @ {Append[#, 0] & / @ pts, Append[#, z] & / @ pts,} \\
 模块
                        多边形
                                    追加
                                                             追加
     \label{local_pred} \mbox{Join[Append[$\sharp$, 0] & /@$\sharp$, Append[$\sharp$, z] & /@ Reverse[$\sharp$]] & /@ }
     连接 追加
                                追加
      Partition[List@@pts, 2, 1, 1]}]
                 列表
      划分
pentagon = Polygon[Array[{\cos[2\pi \#/5], \sin[2\pi \#/5]} &, 5]];
           多边形 数组 余弦
                                            正弦
Graphics3D[{Gray, extrude[pentagon, 2]}, Lighting → "Neutral"]
             灰色
```





$$r = \{x, y\};$$

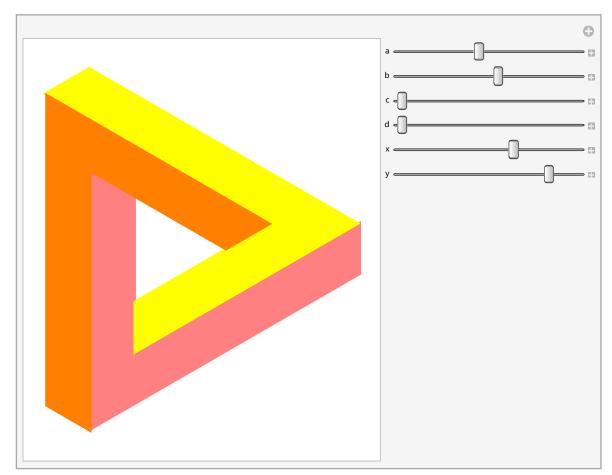
p =

Polygon
$$\left[\left\{\{\emptyset,\,\emptyset\},\,\{\emptyset,\,a\},\,\left\{\frac{\sqrt{3}}{2}\,\,c\,,\,a-\frac{c}{2}\right\},\,\left\{\frac{\sqrt{3}}{2}\,\,c\,,\,\frac{c}{2}+d\right\},\,\left\{\frac{\sqrt{3}}{2}\,\,b\,,\,\frac{b}{2}+d\right\},\,\left\{\frac{\sqrt{3}}{2}\,\,b\,,\,\frac{b}{2}\right\}\right\}\right];$$

Graphics
$$\left[\left\{\begin{array}{ccc} \text{Pink, p, Yellow, Rotate} \left[p, \frac{2\pi}{3}, r\right], \text{Orange, Rotate} \left[p, \frac{4\pi}{3}, r\right]\right\}\right], \left\{\left\{a, 5\right\}, 1, \right\}$$
 图形 Late the late that the

10},
$$\{\{b, 6\}, 1, 10\}, \{\{c, 1\}, 1, 10\}, \{\{d, 1\}, 1, 10\}, \{\{x, 0\}, -5, 5\}, \{\{y, 0\}, -5, 5\}\}$$

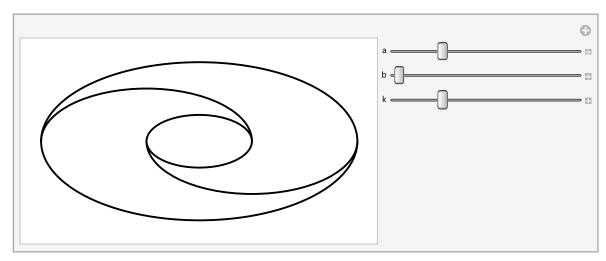
Out[•]=

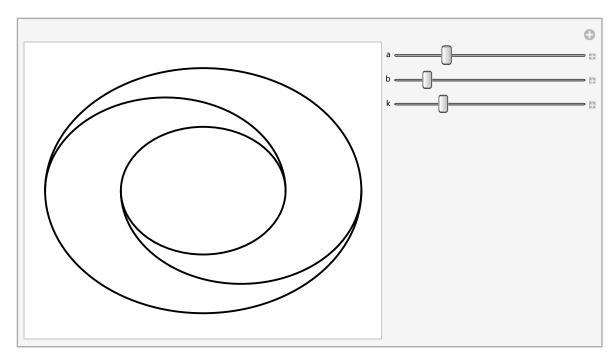


SolveValues [
$$(1 + \theta) \cos [\theta] = -1, \theta$$
]

由解确定的值

••• SolveValues: This system cannot be solved with the methods available to SolveValues.





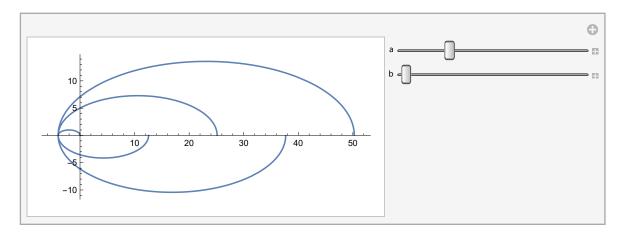
利用复数绘制

In[*]:= Manipulate[

交互式操作

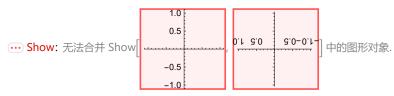
 $\{\theta, 0, 5\pi\}$], $\{\{a, 2\}, 1, 5\}$, $\{\{b, 1\}, 1, 5\}$]

Out[•]=

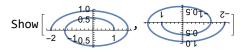


Show[pp, GeometricTransformation[pp, π]]

显示 几何变换



Out[•]=



In[•]:= ? Torus

Out[•]=



KnotData["Trefoil"]

纽结数据