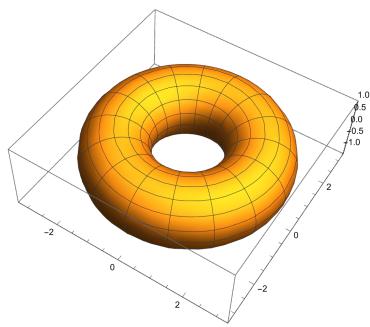
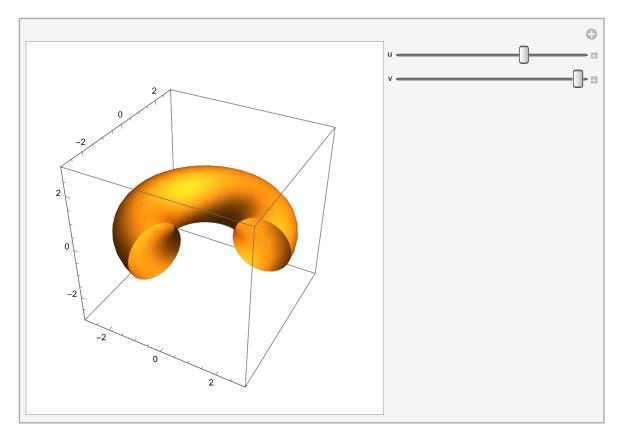
3D 环

旋转形式



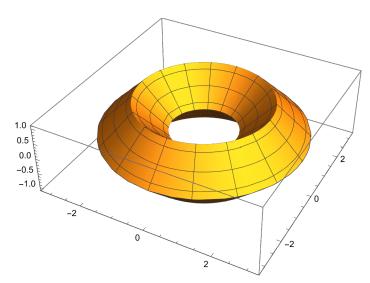


Out[•]=



In[•]:= RevolutionPlot3D [

绘制三维旋转图

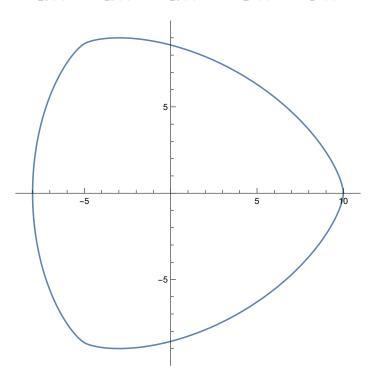


等宽曲线

In[@]:= ParametricPlot[

绘制参数图

 $\{9 \cos [\theta] + 2 \cos [2 \theta] - \cos [4 \theta], 9 \sin [\theta] - 2 \sin [2 \theta] - \sin [4 \theta] \}, \{\theta, 0, 2 \pi\} \}$ 上京弦 上正弦 上正弦

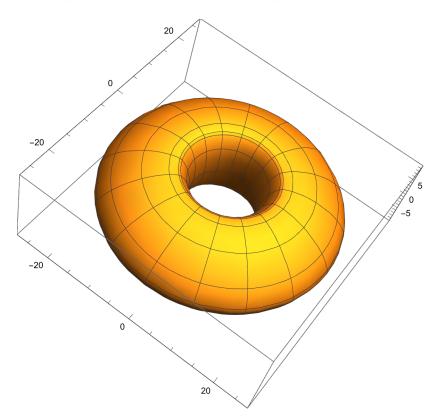


In[•]:= RevolutionPlot3D[

绘制三维旋转图

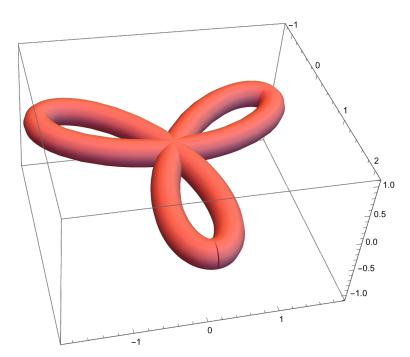
$$\{15 + 9 \cos [\theta] + 2 \cos [2 \theta] - \cos [4 \theta], 9 \sin [\theta] - 2 \sin [2 \theta] - \sin [4 \theta] \}, \{\theta, \emptyset, 2 \pi\} \}$$
 上弦 上弦 上弦

Out[•]=

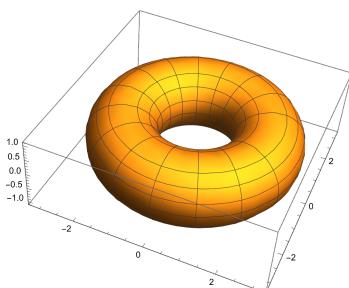


绘图样式

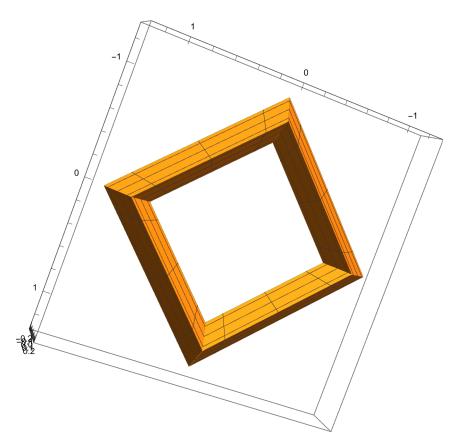
只是样式显示为管状,本质上还是曲线,是内摆线



参数方程表示



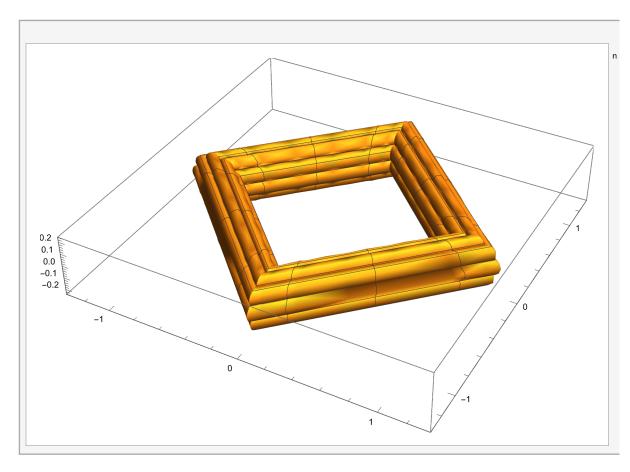
使用n=1的超椭圆



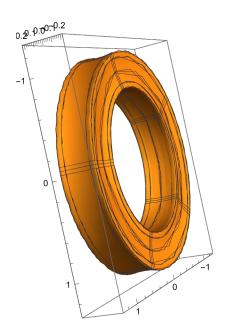
使用n=1的超椭圆作为路径,外摆线作为截面

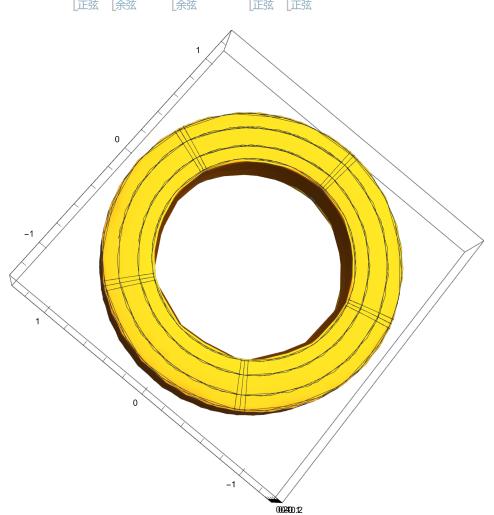
Abs
$$[Sin[t]]^2$$
Sign $[Sin[t]]$ $\left(1+0.2\left(\cos[\theta]+\frac{1}{n}\cos[n\theta]\right)\right)$,

$$0.2\left(\frac{\sin[\theta] + \frac{1}{n}\sin[n\theta]}{\sin[\pi\theta]}\right)$$
, {t, 0, 2Pi}, { θ , 0, 2Pi}, [恩周率

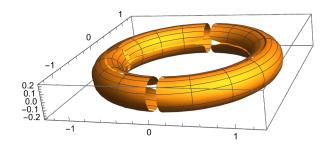


 $(1+0.2 \sin[2 \cos[t]]) \cos[u], 0.2 \sin[2 \sin[t]]$, {u, 0, 20}, {t, 0, 2 π }] **L**余弦 **L正弦 L正弦** 正弦 余弦





$$\begin{array}{ll} & n=2;\\ & \text{ParametricPlot3D}\Big[\Big\{\text{Abs}\left[\text{Cos}\left[t\right]\right]^{\frac{2}{n}}\operatorname{Sign}\left[\text{Cos}\left[t\right]\right]\left(1+0.2\operatorname{Abs}\left[\text{Cos}\left[v\right]\right]^{\frac{2}{n}}\operatorname{Sign}\left[\text{Cos}\left[v\right]\right]\right),\\ & \left\lfloor \pm \text{Min}\right\rfloor \\ & \left\lfloor \pm \text{Min}$$



好了, 谢谢观看, 欢迎留下您的评论, 下期见。 ::