

Pensieve Header: An embedded Mobius band whose boundary is a rectangle; continues pensieve://2011-11/. For possible posting at [http://en.wikipedia.org/wiki/Mobius\\_strip#M.C3.B6bius\\_band\\_with\\_flat\\_edge](http://en.wikipedia.org/wiki/Mobius_strip#M.C3.B6bius_band_with_flat_edge).

```
In[31]:= dt = 2 Pi / 12; h = 1 / (2 Pi);
Graphics3D[
  Opacity[0.8],
  Table[
    t1 = t + dt; {c0, s0} = {Cos[t], Sin[t]}; {c1, s1} = {Cos[t1], Sin[t1]};
    {
      Polygon[{{t h, 0, 0}, {t h, c0, s0}, {t1 h, c1, s1}, {t1 h, 0, 0}}],
      Polygon[
        {{t h, c0, s0}, {t1 h, c1, s1}, {(2 Pi + t1) h, c1, s1}, {(2 Pi + t) h, c0, s0}}],
      Polygon[{{(2 Pi + t) h, 0, 0}, {(2 Pi + t) h, c0, s0},
        {(2 Pi + t1) h, c1, s1}, {(2 Pi + t1) h, 0, 0}}]
    },
    {t, 0, 2 Pi - dt, dt}
  ],
  Thickness[0.02], Green,
  Line[{{0, 0, 0}, {4 Pi h, 0, 0}, {4 Pi h, 1, 0}, {0, 1, 0}, {0, 0, 0}}]
], Boxed -> False]
```

Out[32]=

