

Pensieve header: A crossing ... continues FlyingPogs at pensieve://2015-06/.

```
In[ ]:= SetDirectory["C:\\drorbn\\AcademicPensieve\\Talks\\DaNang-1905"]
```

```
Out[ ]:= C:\drorbn\AcademicPensieve\Talks\DaNang-1905
```

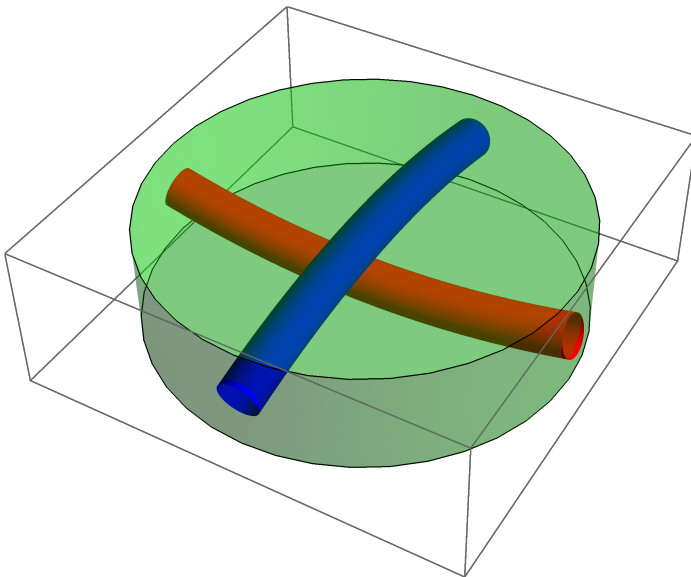
```
In[ ]:= Pog::usage =
  "Pog[R,r,h,v,m] represents a standard + crossing pog of radius R, height 2h,
  translation v, rotation matrix m, and tube radius r.";
Pog[R_, r_, h_, v_, m_] := GeometricTransformation[
  {
    Green, Opacity[0.3], Cylinder[{{0, 0, -h}, {0, 0, h}}, R],
    Opacity[1], CapForm[None], {
      Red, Tube[BSplineCurve[{{1, 0, 0}, {0, 0, -h}, {-1, 0, 0}}], r],
      Blue, Tube[BSplineCurve[{{0, 1, 0}, {0, 0, h}, {0, -1, 0}}], r]
    }
  },
  AffineTransform@{v, m}
]
```

? Pog

Pog[R,r,h,v,m] represents a standard + crossing pog of radius R, height 2h, translation v, rotation matrix m, and tube radius r.

```
In[ ]:= pog = Graphics3D[Pog[1, 0.1, 0.25, IdentityMatrix@3, {0, 0, 0}],
  ViewPoint -> {1.31432, -2.19308, 2.21653},
  ViewVertical -> {-0.0112686, 0.0259074, 0.999601}]
```

```
Out[ ]:=
```



```
In[ ]:= Export["Crossing.png", pog]
```

```
Out[ ]:= Crossing.png
```