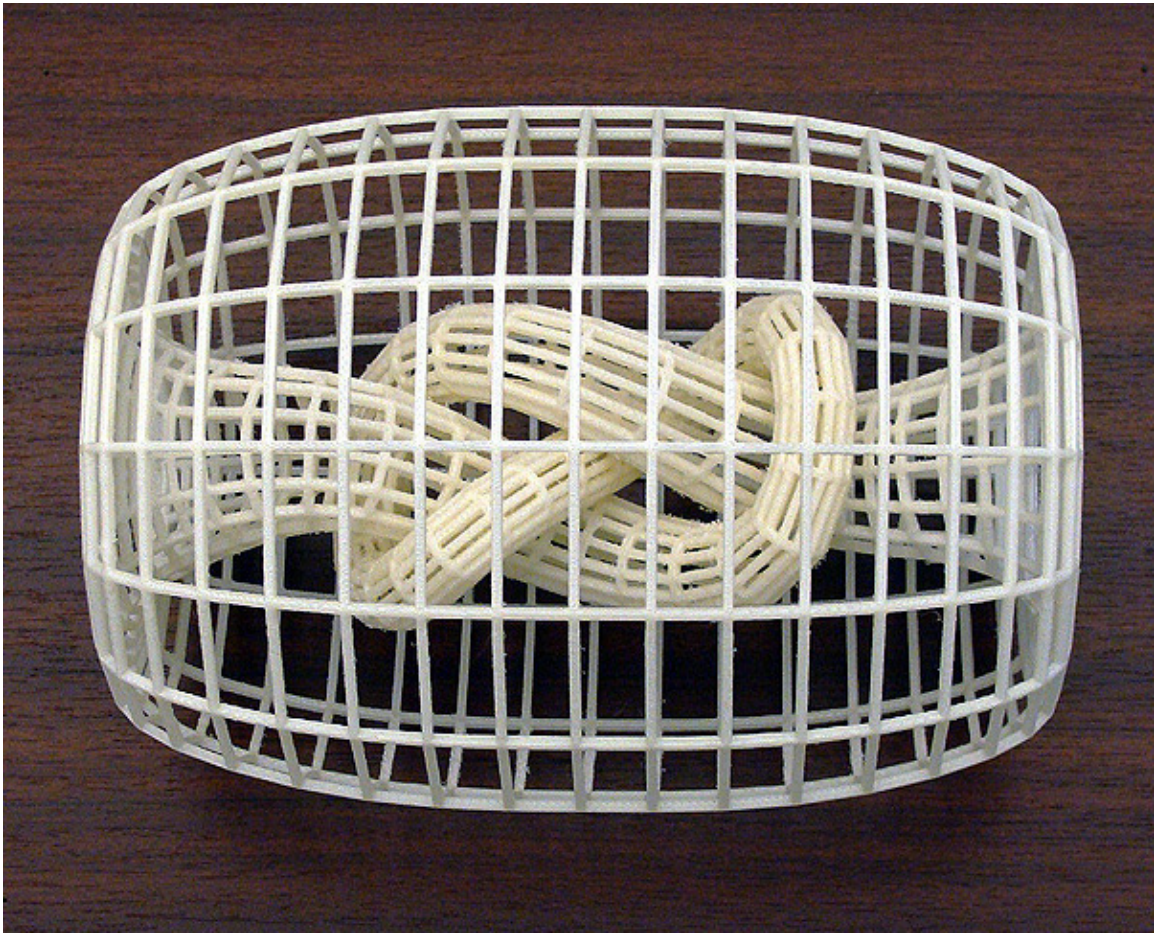


“Internally-Knotted Torus”

Carlo H. Séquin (2011) 3D print in ABS plastic, 8” × 6” × 6”



The gridded surface of this sculpture forms a **Figure-8 Knot** in a tubular loop. Then the whole surface has been turned inside out, so that the knot appears inside an expanded portion of the knotted tube. Topologically, this is still a **torus** – i.e., an orientable surface of genus 1 with no borders.

Now consider this surface made from some non-transparent material, such as stainless steel. How much of the internal knot could we see? How else could we experience the complete shape of this surface? – Perhaps as a giant climbing structure?