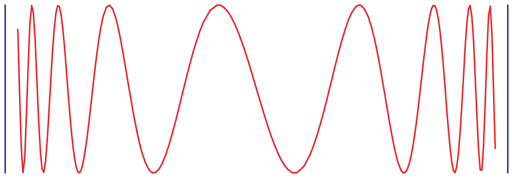

Figure 13.1.2: (A) Open Sin

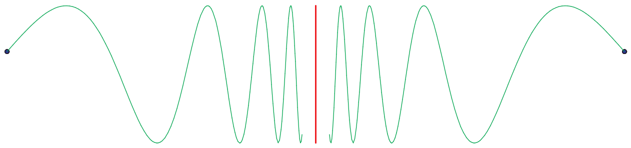

Figure 13.1.3: (A) Double Topologists's Sin Curve

This continuum has just three path components.

13.1.3 Double Topologists's Sin Curve

The *Double Topologists's Sin Curve* is defined by the union

$$\{(x, y) \in R^2 : 0 < |x| \leq 1, y = \sin(1/x)\} \cup \{(0, y) \in R^2 : -1 \leq y \leq 1\} \quad .$$

It has just three path components.

13.1.4 Snake

The *Snake* is an arclike continuum where each open mapping is a homeomorphism.

We can find more in [40, Theorem ..].

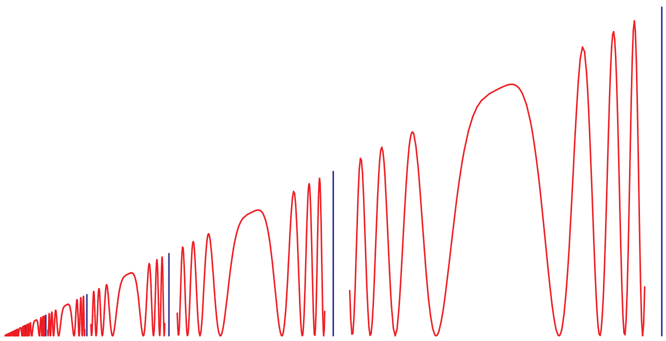

Figure 13.1.4: (A) Snake