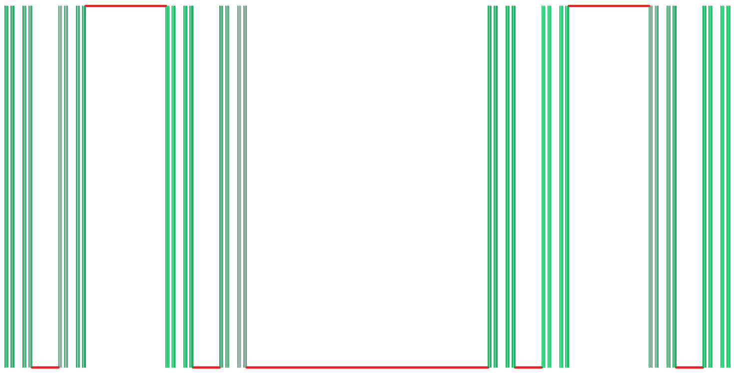

Figure 13.1.5: (A) Cantor Meanders

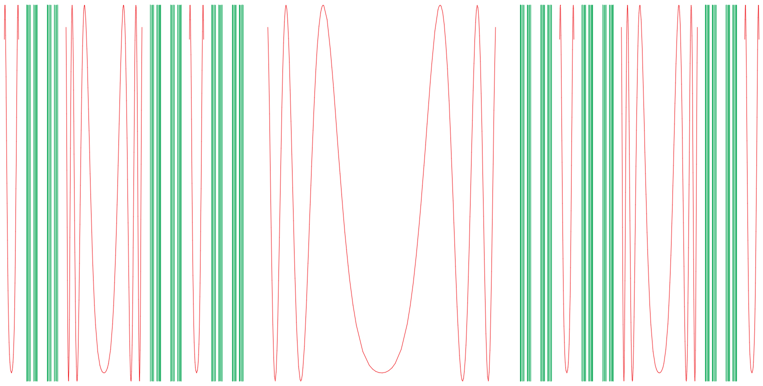

Figure 13.1.6: (A) Cantor Snake

13.1.5 Cantor Meanders

The *Cantor Meanders* X is formed by combining the product $C \times I$ of the Cantor Ternary Set C and the unit interval I with the appropriate segments of $I \times \{0, 1\}$. We use the 'zig-zag' system of selecting the intervals. We start with $[1/3, 2/3] \times \{0\}$, continue with $[1/9, 2/9] \times \{1\}$ and $[7/9, 8/9] \times \{1\}, \cdots$.

The space X has uncountably many arc components.

13.1.6 Cantor Snake

The *Cantor Snake* X is formed by combining the product $C \times I$ of the Cantor Ternary Set C and the unit interval I with countably many Open Sin Curves in such a way that the space X has uncountably many arc components.