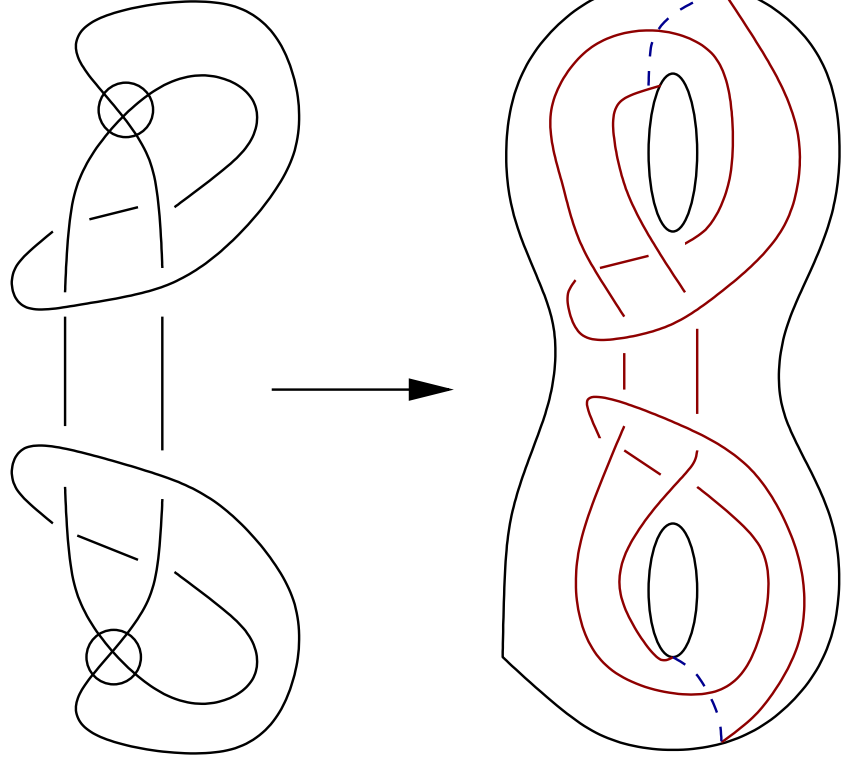


A New Virtual Knot Diagram:



- Not detected by the bracket polynomial or the 2–strand bracket polynomial.
- The diagram is detected by the 3–strand bracket polynomial.
- The diagram is detected by the fundamental group.
- Using this representation and the skein relation, we determine that this is the minimal surface for this virtual knot diagram.
- This virtual knot diagram has minimal genus 2, and therefore is not equivalent to any classical knot diagram.

