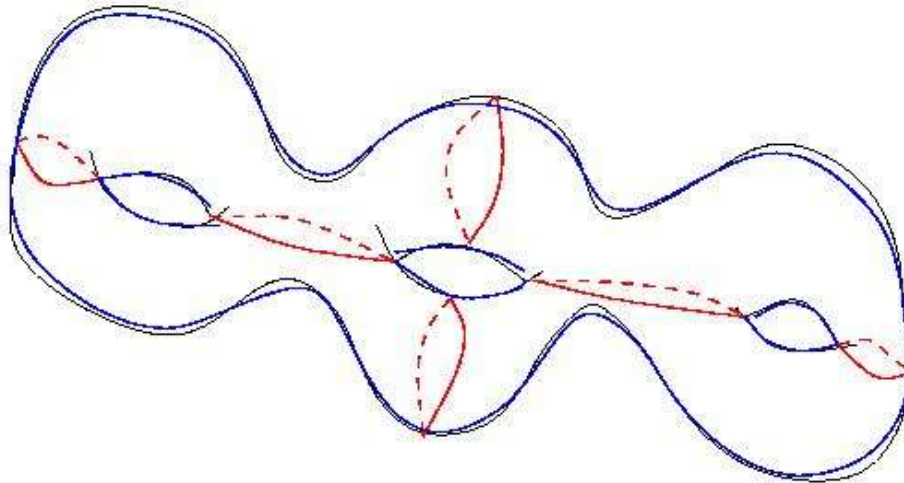


Few exercises for the end

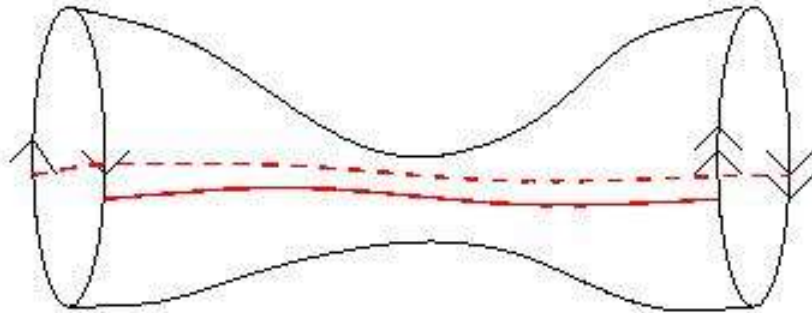
Exercise 4

- What kind of geometry does a surface of genus 3 admit?



Exercise 5

- What kind of geometry does a connected sum of two P^2 s admit?



On your own:

- What is the geometry of a genus 2 surface?
- What is the geometry of a connected sum of three projective planes?

Conjecture & proof?!?

- Can you conjecture what type of geometry will the connected sum of n tori admit?
- What about the connected sum of n projective planes?
- Can you think of a way to justify your reasoning?