

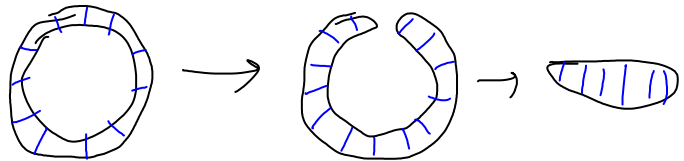
A Simple Sphere Eversion - Failed

May-12-11
9:46 PM

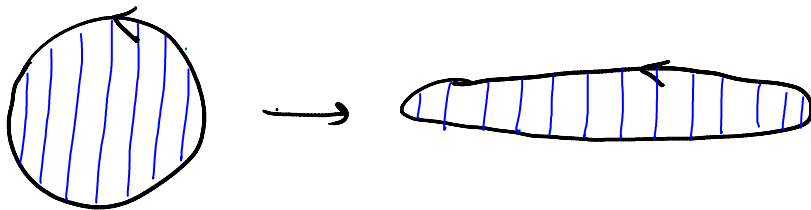
Inspired by <http://www.youtube.com/watch?v=kQcy5DvplIM> -



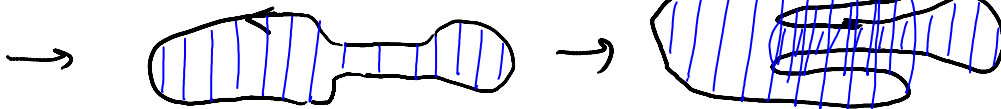
The idea - take the torus eversion of said URL and "Cap" the far end!



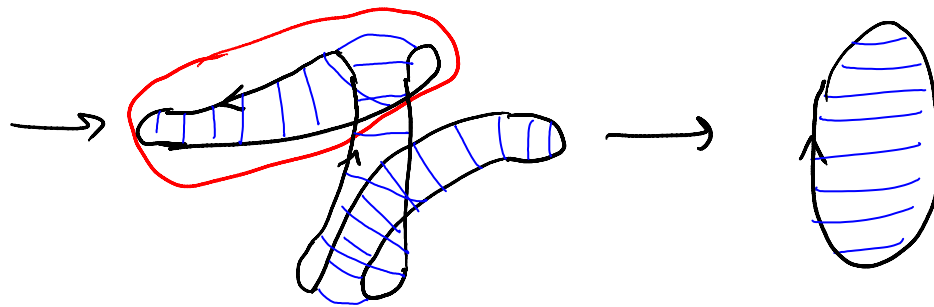
In all pictures here, a blue interval represents the circle obtained by doubling it, raising one half in \mathbb{R}^3 and lowering the other half.



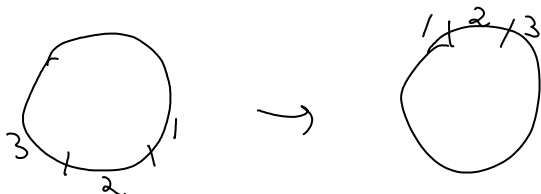
FAILS where circled.



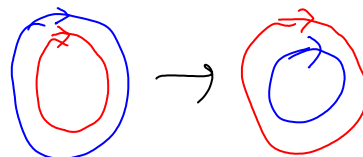
Actually, that was doomed from the start, for rotation number reasons.



size comparisons in original movie:



In the torus case, the two circles



trade their places without changing their orientation, and this is not obstructed by rotation numbers.