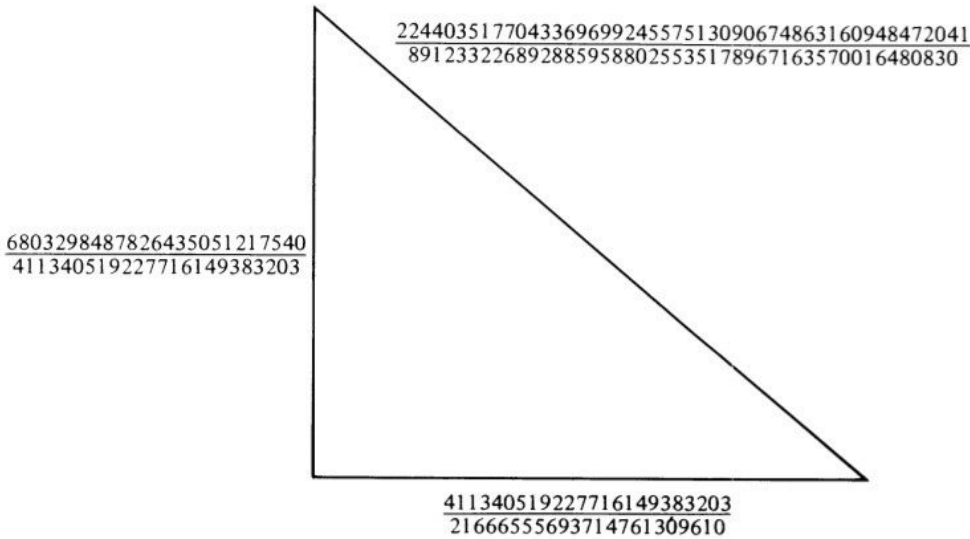


# 17-1350 Algebraic Knot Theory in 5 Minutes

September 12, 2016 4:11 PM

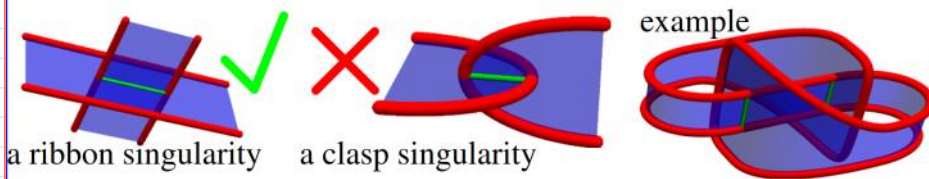
Spring Semester, Tuesdays 11-1 and Fridays 11-12, with Dror Bar-Natan.

Number Theory Question. Is 157 the area of a right-angled triangle with rational sides?

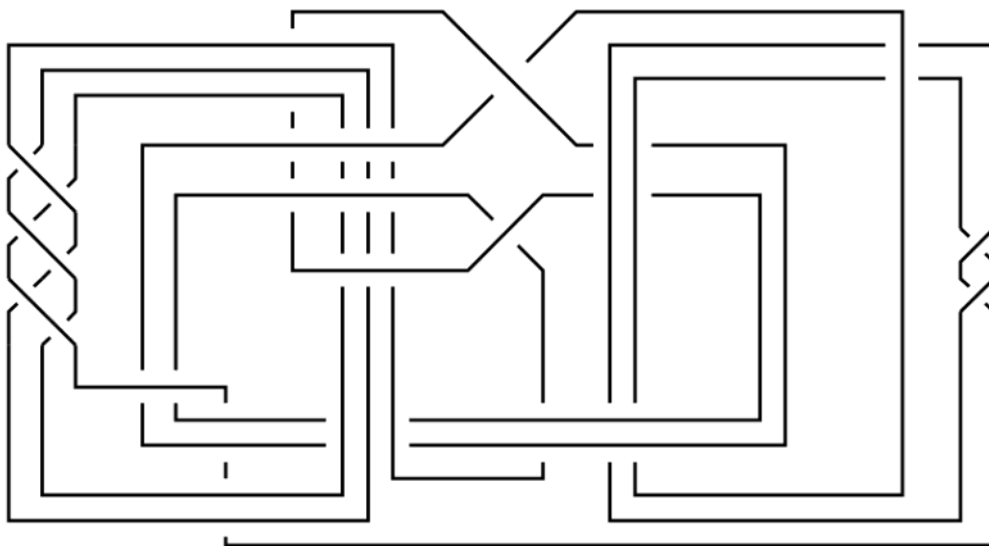


<https://www.quora.com/What-math-problem-with-an-elementary-solution-was-unsolved-for-the-longest-period>

Knot Theory Question. Is the 48-crossing Gompf-Scharlemann-Thompson knot a ribbon knot?



Gompf,  
Scharlemann,  
Thompson  
[GST]



Must make tools! Must work fast!

In practice, learn about "expansions" and the many ways Lie algebras appear in knot theory.