
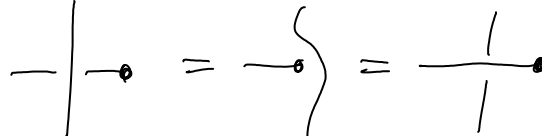
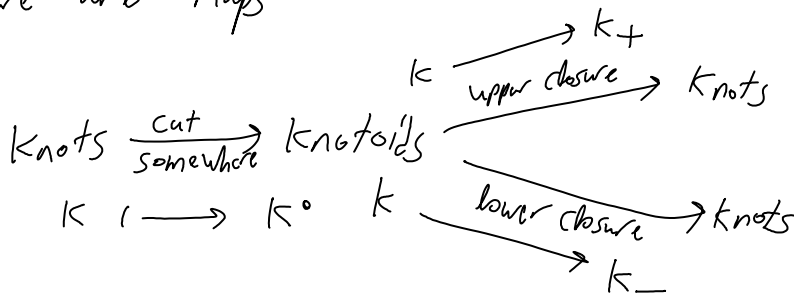


Knotoids: pictures like  modulo $R123$

but not mod 

There are maps



Knotoids form a non-commutative monoid.

Thm. "Prime decomposition" over knotoid can be written as a product of uniquely commutative prime knots and a non-comm. product of prime non-knot knotoids.

There is an additive notion of "complexity" of knotoids which measure how far a knotoid is from a knot.

There is a map from knotoids to knots in T^2 .

Q. ^{by Dror} very naively, it seems that $A(\text{knotoids}) = A(\text{knots})$.

Is that really so? Are knotoids "quadratic"?

Q. ^{by Dror} what are "descending knotoids"?

Claim. knotoids are equivalent to \emptyset curves in which if you remove one of the arcs you get the unknot.