1 Conventions for crossings

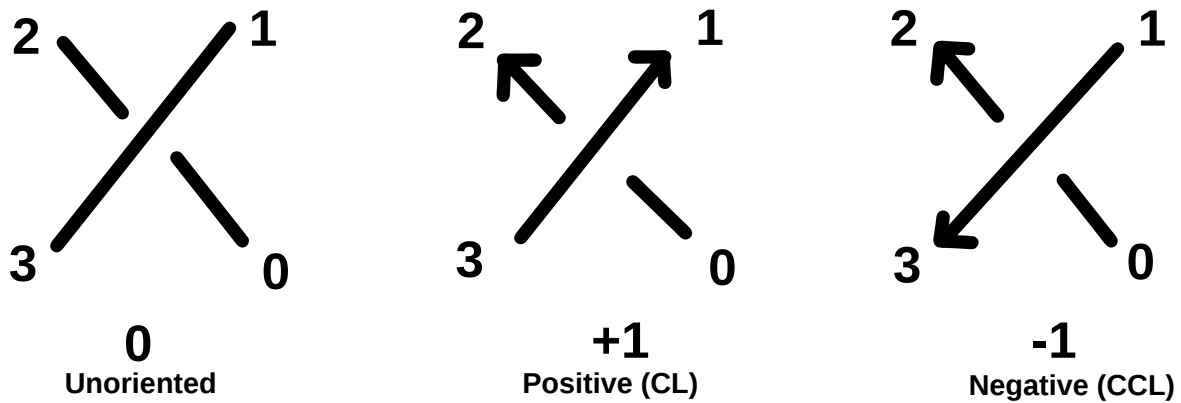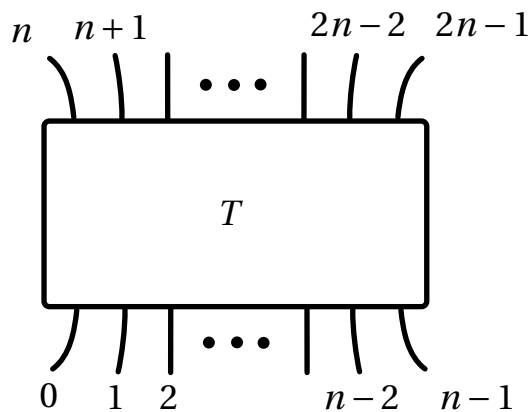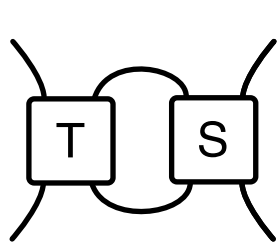| 0	+1	-1
Unoriented	**Positive (CL)**	**Negative (CCL)**

2 Conventions for tangles

A tangle T is a rectangular piece of a projection with $2n$ incoming strands, where these strands are numbered as shown.
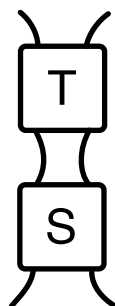

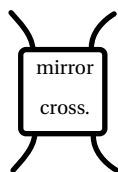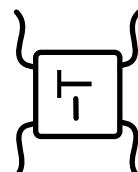Conventions for operations and rational tangles follow
http://homepages.math.uic.edu/~kauffman/VegasAMS.pdf
and are shown on the next page.

$T + S$

$T * S$

$-T$
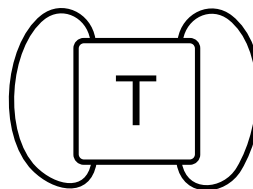
mirror cross.

$\dfrac{1}{T}$
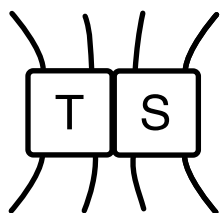
$T \mid S$

Numerator closure

Denominator closure

Basic rational tangles
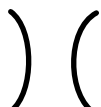
-2

-1

0

1

2

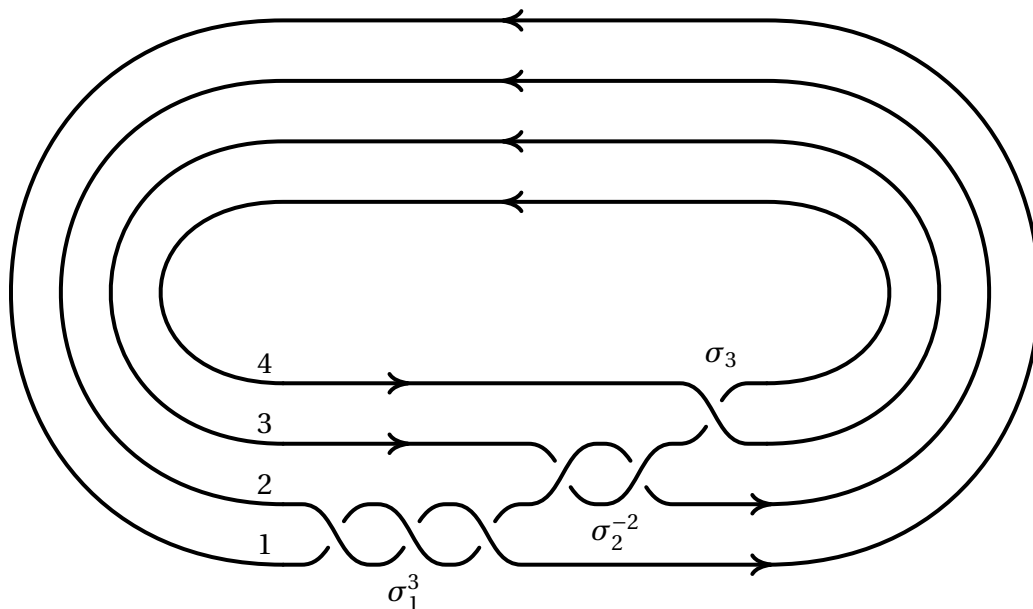$-\dfrac{1}{2}$

$-\dfrac{1}{1}$

∞

$\dfrac{1}{1}$

$\dfrac{1}{2}$

3   Conventions for braids

The convention for SnapPy 3.0/Spherogram 2.0 and newer is illustrated by the braid closure of $\sigma_1^3 \sigma_2^{-2} \sigma_3$ corresponding to Link(braid_closure=[1, 1, 1, -2, -2, 3]). Note that a positive braid has all positive crossings in the sense of Section 1.

In earlier versions of SnapPy, the sign of the crossings was reversed, e.g. the same braid would have been: