Random

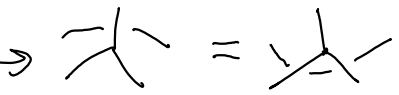
January-01-09
7:35 PM

Q: Is F unique? No. See "The Two F Equations".

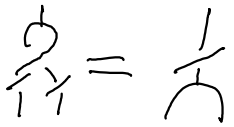
$$F^{-1}\ell(x+y)F=\ell(x)\ell(y)$$

(1)

$$F^{23}R^{1,23}=R^{12}R^{13}F^{23}$$



$$RF^{21}\ell(-t)=F$$



+ a glow condition

Is it justified to treat f1 and f2 in F as constants, ignoring their x[1] and x[2] dependence? No.

Question Is

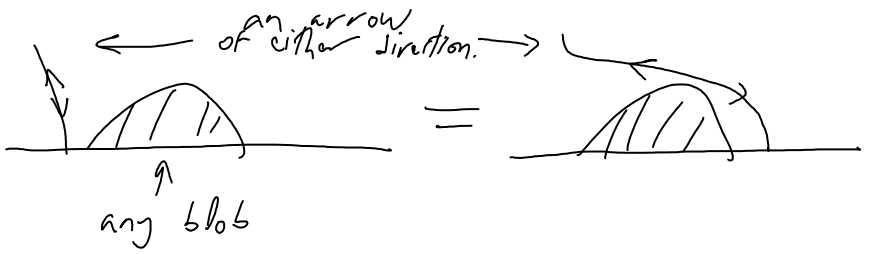
$$A^V(\uparrow)/\overset{\uparrow}{\Theta}=0 \cong A^W(\uparrow) \ ?$$

This means "tails commute when their heads are near" No. See "Degree 2 for virtual knots".

2008-05/Maciej Niebrzydowski's Question is similar yet different

Does $\alpha: A \to A^V(\uparrow)/\overset{\uparrow}{\Theta}$ inject?

Question What remains of A^V if it is forced to be "invariant" in the sense of declaring



Is every ribbon knot the square, or more precisely, the "norm", of some w-knot? This may give a nice explanation of $A(t) = f(t)f(-t)$.

Is there an MMR statement for virtual?

Do satellite operations make sense for virtual knots? If not, is this the reason why products should be deformed not just co-products? Why v-knots should be "textured" rather than "smooth"?

There is not enough idle exploration on this Pensieve.