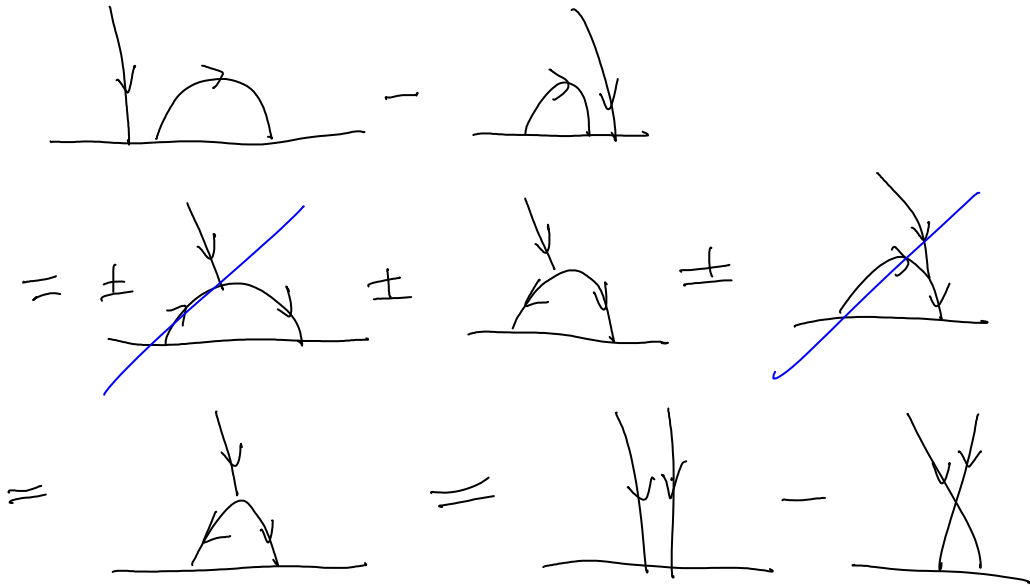


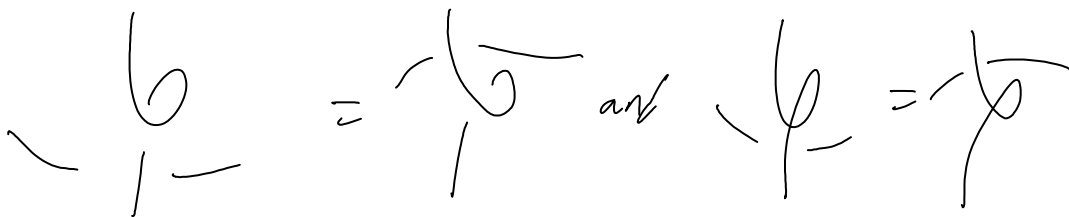
Are Isolated Arrows Central?

January-13-09
9:36 AM



mod tails commute, this is 0, but not otherwise.

Yet kinks are central:



Yet it seems that even $gl(N)$ doesn't think isolated arrows are central! (Though it thinks they do commute with each other).
(6T also implies that they commute with each other).

In A^v , $F=I$ is not just "the ideal generated by degree 1 elements", as it also contains the likes



$$I_s \left(\begin{array}{c} \rightarrow \\ \rightarrow \\ \downarrow \end{array} \right) - \left(\begin{array}{c} \rightarrow \\ \rightarrow \\ \downarrow \end{array} \right) = 0 \quad \text{in } \mathfrak{gl}(W)^{\mathbb{Z}_2} \quad \text{No.}$$

Provisional Moral: $6T$ is all there is, $\vec{W}(\mathfrak{gl}(W))$ is a good witness, virtual knots are "wrong" — they are just a further quotient of the real space of interest, call it, say, **x-knots**.

Add Jan 24 It seems that x-knots may be "properly framed v-knots" — v-knots along with a choice of a (virtual) homology class in their complement.