

Emmanuel Wagner implied that there is work by Kauffman and Vogel that seeds the Murakami-Ohtsuki-Yamada work.

What means the Naik-Stanford result that the Double-Delta move is equivalent S-equivalence?

Question: Determine $\ker \alpha: \mathbb{A} \rightarrow \vec{\mathbb{A}}^w$.

Does it have a topological interpretation?

Why do I care?

Because for EK reasons, I'd like to have a map $\rho: wKO \rightarrow KO/\text{rels}$, which is a partial inverse of the obvious projection $\pi: KO \rightarrow wKO$. The topological interpretation of $\ker \alpha$ might help me understand what "rels" should be.

Is there a "cheap" general theory of projectivizations of group extensions, relative to the base group?
Note that w-braids are an extension of permutations and the sentence above precisely describes how we study them.

$$\sigma^{-1} - s = \sigma^{-1} (I - \sigma^{-1} s)$$

It's time to go back to the genus question, this time using w-information.

Make the following right, for finite G :

$$\text{Spec}(\mathbb{C}G)^{\text{e}} = \text{Irrep}(G)$$