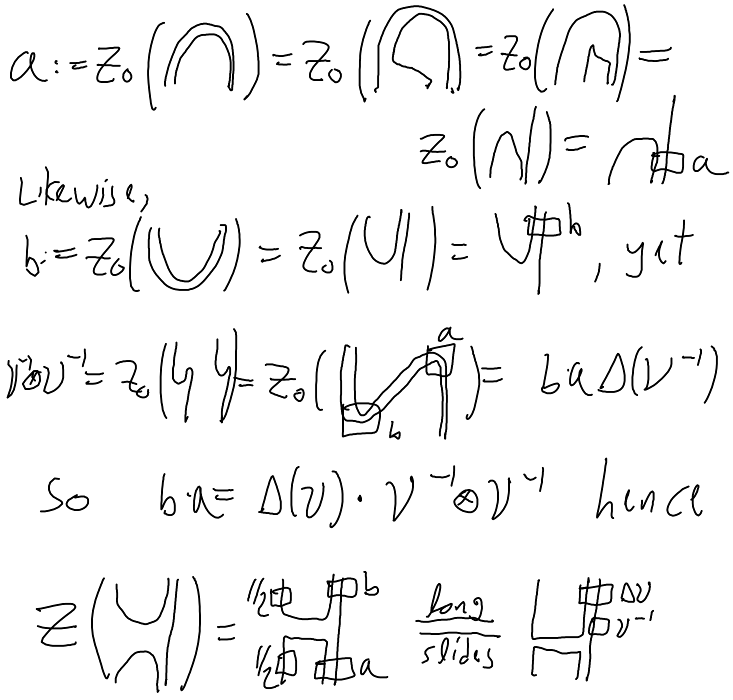
LMMO-Gauthier Cheat Sheet

November-20-10
1:39 PM

Band sums for Z



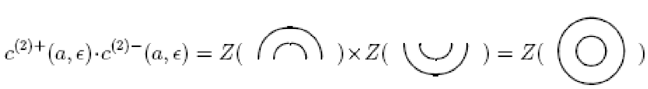
Band sums on unknots.

The first mistake.

From Gauthier's arXiv:1010.2422v2 page 50:

Lemma 3.2.4. $c^{(2)+}(a,\epsilon)\cdot c^{(2)-}(a,\epsilon)=1$ for all $a,\epsilon>0$.

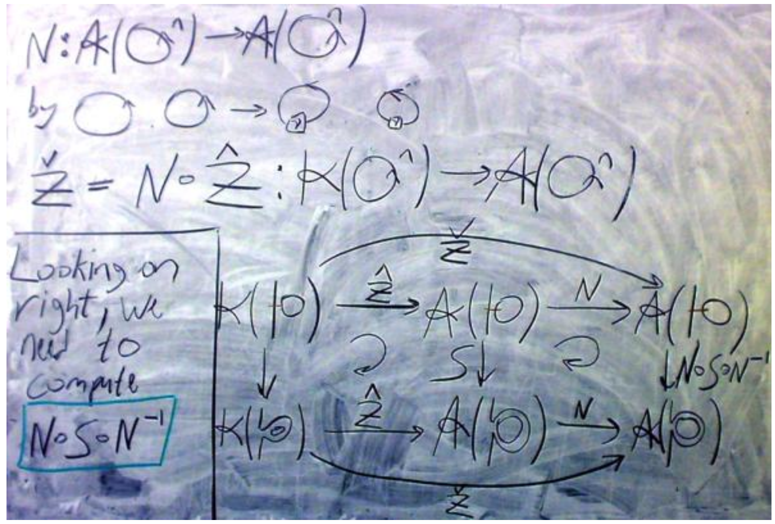
Proof. It suffices to write, for $a,\epsilon>0$ fixed:

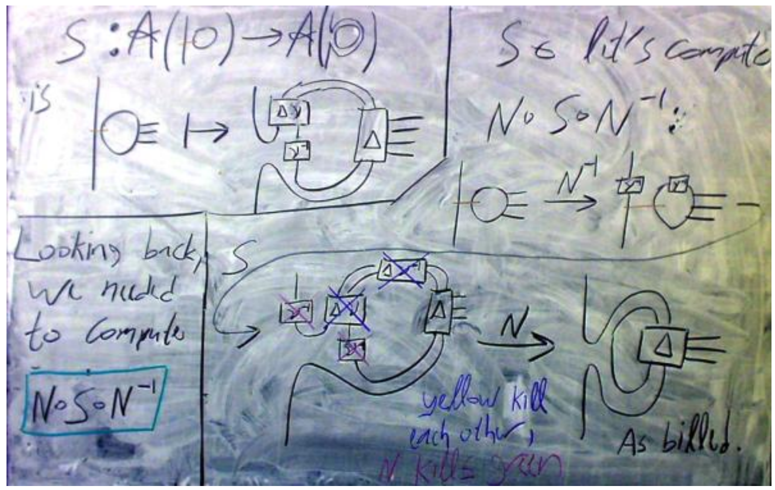


(186)

This is true only in $\mathcal{A}(\bigcirc_2)$, not in $\mathcal{A}(\uparrow_2)$!

Band Sums for $\check{Z}$





Fixing Gauthier's approach.