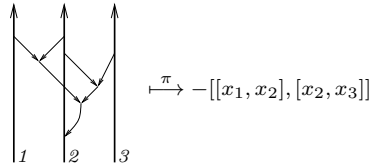


EXTRA FIGURES

DROR BAR-NATAN AND ZSUZSANNA DANCZO

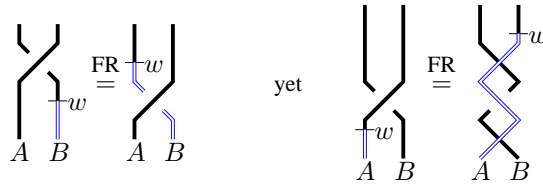
(0)



(1-1) figs/wTFgensWen@:

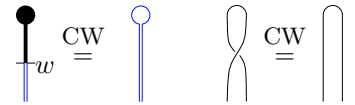
$$wTF = \text{CA} \left\langle \left(\begin{array}{c} \text{[Diagrams of crossings and wens]} \\ \text{[Diagrams of crossings and wens]} \end{array} \right) \middle| \begin{array}{c} R1^s, R2, R3, R4, OC, CP, \\ FR, W^2, CW, TV \end{array} \right\rangle_{S_e, A_e, u_e, d_e}.$$

(1-2)

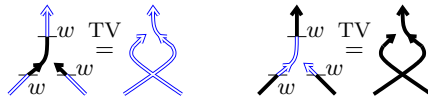


(1-3)

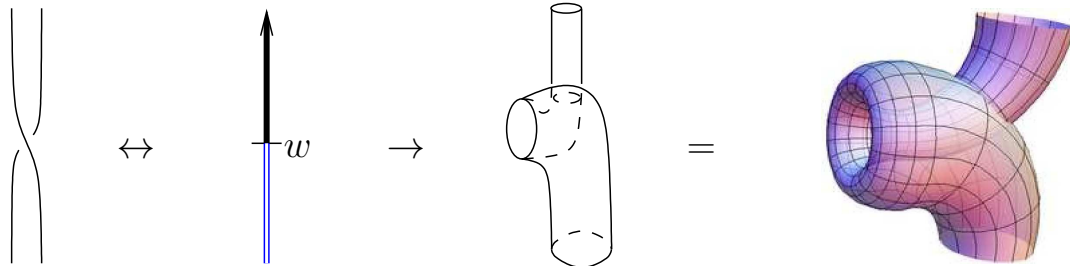
A cap can slide through a wen, hence a capped wen disappears, as shown on the right, to be denoted **CW**.



(1-4) figs/TVRel:



(1-5)

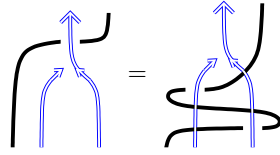


(1-6) figs/SkelGenWen:

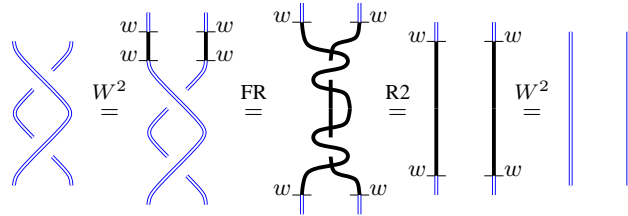
$$\mathcal{S} = \text{CA} \left\langle \left(\begin{array}{c} \text{[Diagrams of crossings and wens]} \\ \text{[Diagrams of crossings and wens]} \end{array} \right) \middle| W^2, CW, TV \right\rangle.$$

Date: first edition August 7, 2023, this edition October 17, 2023.

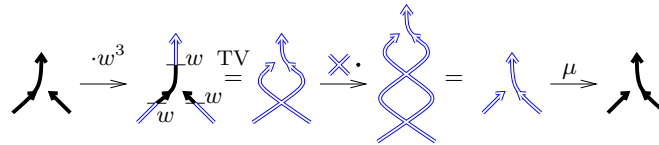
(1-7)



(1-8)



(1-9) figs/AdjointV:

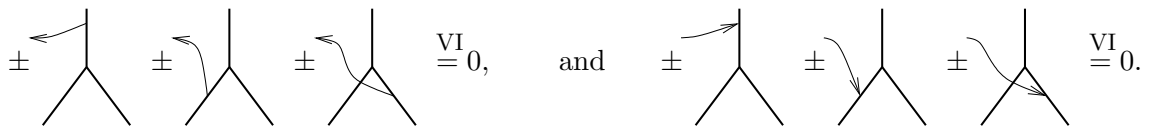


(1-10) figs/wTFprojgens@ (appears in two places!):

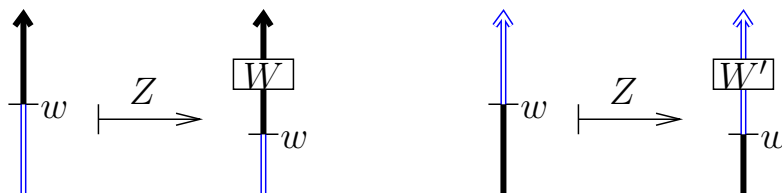
$$\mathcal{A}^{(s)w} = \text{CA} \left\langle \begin{array}{c} \uparrow \rightarrow \uparrow, \uparrow \rightarrow \uparrow, \uparrow \rightarrow \uparrow, \uparrow \rightarrow \uparrow, \\ \bullet, \uparrow, \uparrow, \uparrow, \uparrow, \uparrow, \uparrow, \uparrow, \uparrow, \uparrow \end{array} \right| \begin{array}{c} \text{relations as in} \\ \text{Section ??} \end{array} \left| \begin{array}{c} \text{operations as in} \\ \text{Section ??} \end{array} \right\rangle.$$

$$\mathcal{A}^{(s)w} = \text{CA} \left\langle \begin{array}{c} \uparrow \rightarrow \uparrow, \uparrow \rightarrow \uparrow, \uparrow \rightarrow \uparrow, \uparrow \rightarrow \uparrow, \\ \bullet, \uparrow, \uparrow, \uparrow, \uparrow, \uparrow, \uparrow, \uparrow, \uparrow, \uparrow \end{array} \right| \begin{array}{c} \vec{4T}, \text{TC, VI, CP,} \\ W^2, \text{TW, CW, FR,} \\ \text{(RI for } \mathcal{A}^{sw} \text{)} \end{array} \left| \begin{array}{c} S_e, A_e, u_e, d_e \end{array} \right\rangle.$$

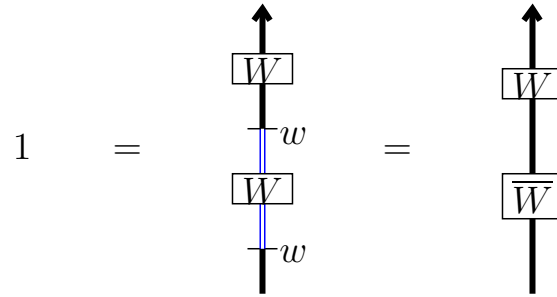
(1-11) figs/VI@:



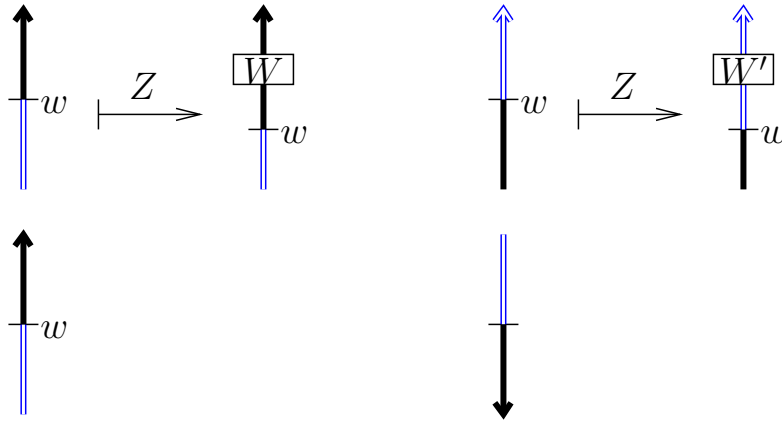
(2-1) figs/ZofWen1:



(2-2) figs/ZofWen2:



(2-3) figs/ZofWen3: (Cancelled)

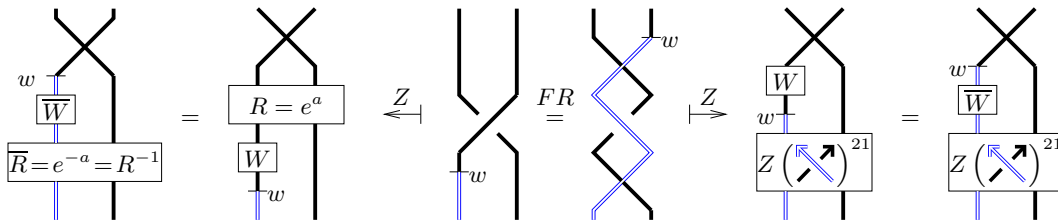


(2-4) figs/ZofWen4: (Postponed)

(2-5) figs/ColouredCrossings:

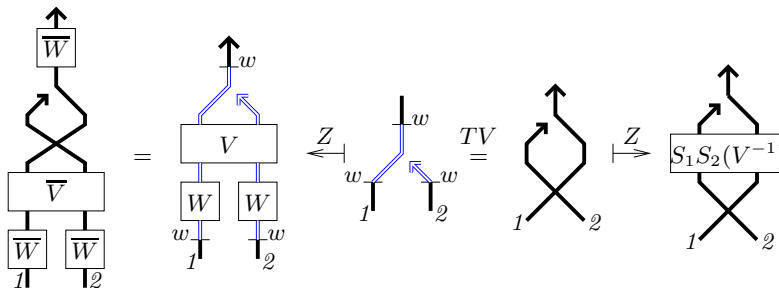


(3-1) figs/FRCalc:



The proof of $(R^{-1})^{21} = Z \left(\begin{array}{c} \nearrow \\ \searrow \end{array} \right)^{21}$

(3-2) figs/TVUnitarity:



(3-3) figs/SkelGen:

$$\mathcal{S}^0 = \text{CA} \langle \bullet, \curvearrowright, \curvearrowleft \rangle$$

DEPARTMENT OF MATHEMATICS, UNIVERSITY OF TORONTO, TORONTO ONTARIO M5S 2E4, CANADA

Email address: drorbn@math.toronto.edu

URL: <http://www.math.toronto.edu/~drorbn>

MATHEMATICAL SCIENCES INSTITUTE, AUSTRALIAN NATIONAL UNIVERSITY, JOHN DEDMAN BLDG 26,
ACTON ACT 2601, AUSTRALIA

Email address: zsuzsanna.dancso@anu.edu.au

URL: <http://www.math.toronto.edu/zsuzsi>