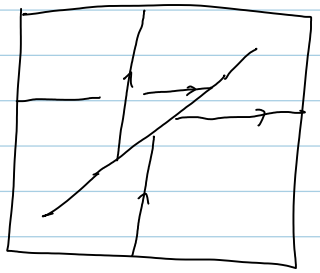
The Infinitesimal Braid Relation on a Surface

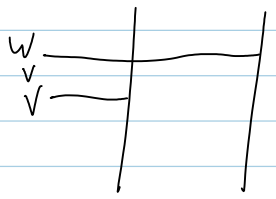
April-29-13
6:23 PM

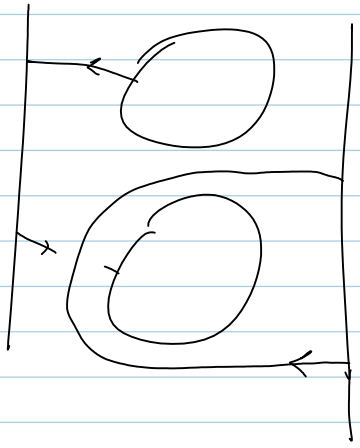
$$[v_i, w_j] = \langle v, w \rangle t_{ij},$$

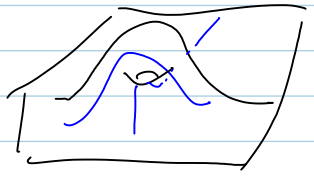
$$[v_i, t_{jk}] = 0,$$

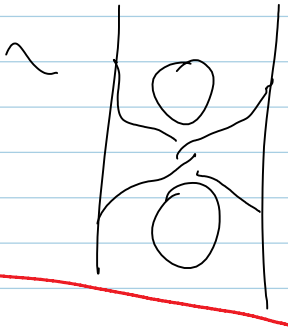
$$[x_i, y_i] = -\sum_{j \neq i} t_{ij}.$$

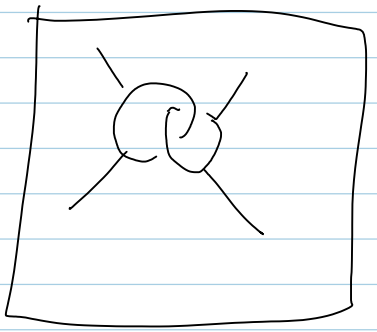


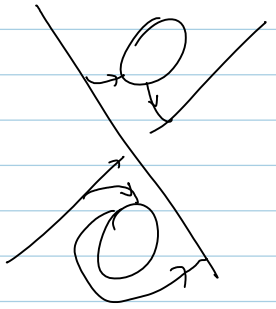


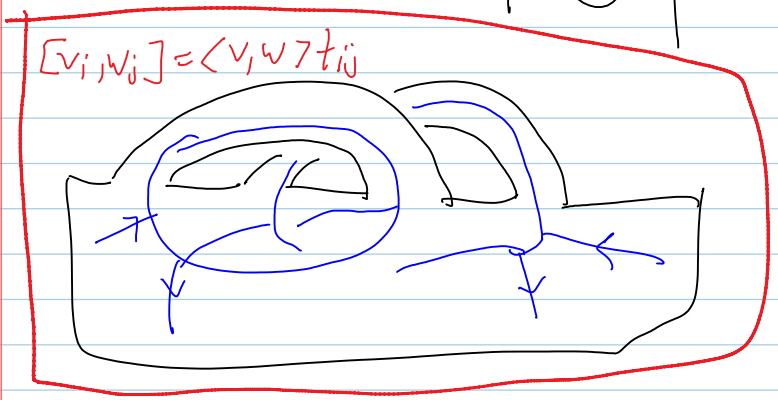


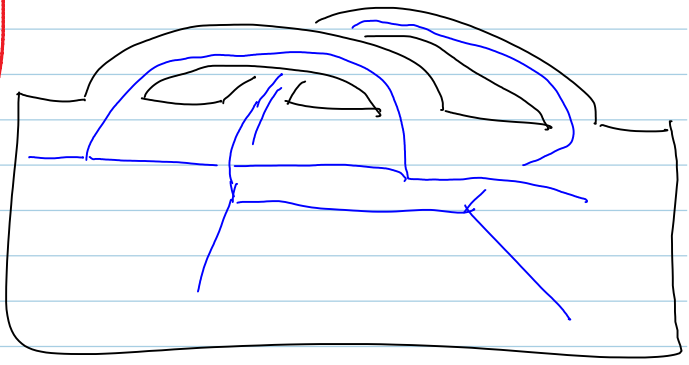


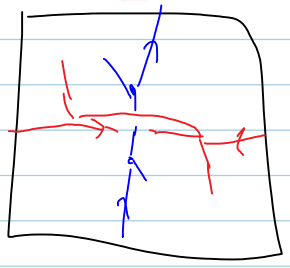


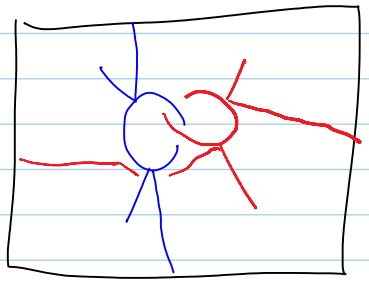












From my bracelets paper:

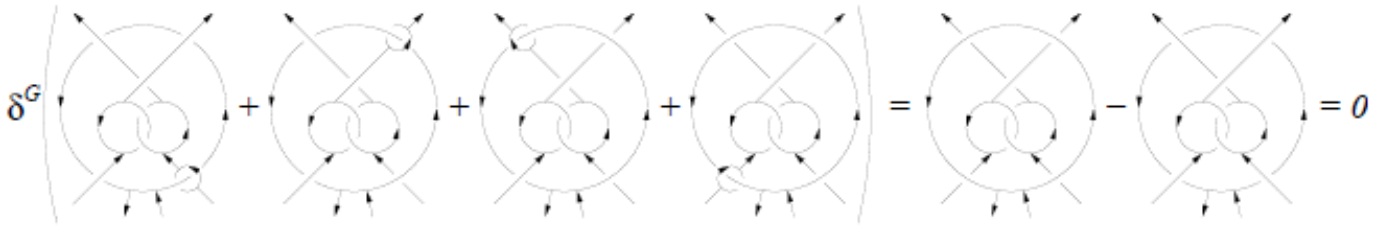


Figure 5. The $G4T$ family of elements of $\ker \delta^G$ (above) and the GFI family of elements of $\ker \delta^G$ (right).