- On screen: Chicago@view 5; timing with Zurich-130919.
- uK=PA<X>/R123.
- Algebraically speaking, it's hard to be a planar algebra! It is rare to find an algebraically-defined planar algebra which isn't really a "circuit algebra".
- Circuit algebras and virtual knots. (Virtual knots are w-knots w/o OC).
- Chicago@views 6-8.
- Then Zurich-130919; A below.
- Then Montreal-1306, starting for real @ view 10.

A: determining J:

Note: $J_u(\emptyset) = 0$

$$J_u(\epsilon\gamma) = \epsilon \, div_u \gamma$$

$$hm^{xy}_z // tha^{yz} = tha^{ux} // tha^{uy} // hm^{xy}_z$$

$$\Downarrow$$

$$J_u(bch(\alpha,\beta)) = J_u(\alpha) + J_u(\beta // RC_u^{\check{\alpha}}) // C_u^{\frown}$$

$$\Downarrow$$

$$J_u((s+\epsilon)\gamma) \simeq J_u(s\gamma) + J_u(\epsilon\gamma // RC_u^{s\gamma}) // C_u^{-s\gamma}$$

$$\Downarrow$$

$$\frac{d}{ds} J_u(s\gamma) = div(\gamma // RC_u^{s\gamma}) // C_u^{-s\gamma}$$