Renormalizing R

March-06-09
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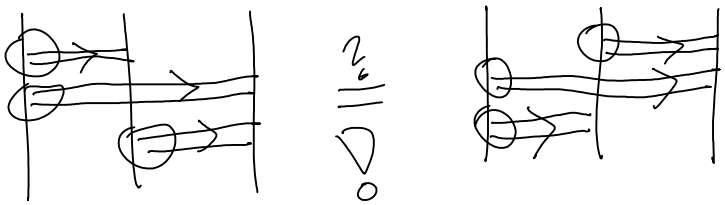
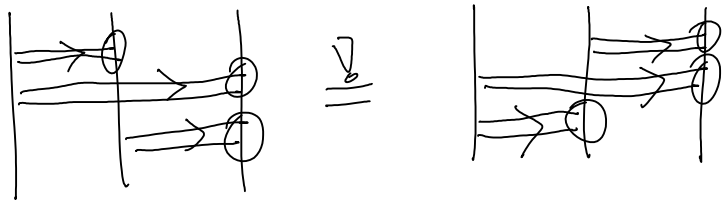


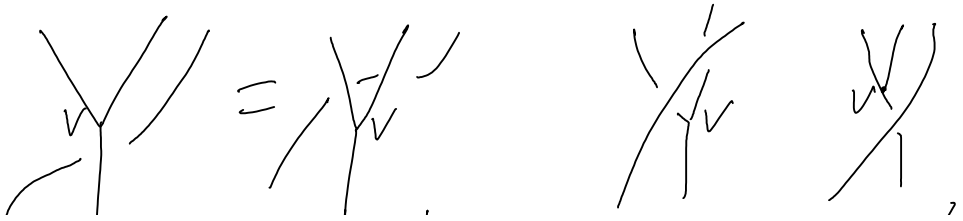
⇒ The tail of an arrow reservoir (an R) can be renormalized with wheels without spoiling R3.

⇒ With the same reasoning, also the heads!



Problem Renormalizing heads spoils the good behaviour of Z rel capping and rel smooth vertices; it is therefore a bad idea.

Problem Renormalizing tails (or heads) spoils the good behaviour of Z rel naive strand doubling - hence it must play a role in the equations for F/V:



adjusting V may resolve this

I don't see how any V works could help here.

Problem R should go to R^{-1} upon strand reversal; this happens only to odd wheels.

(should it? really?)

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Probably not!

$\Longrightarrow$ The "problem" seem irrelevant; just map positive xings to $\widehat{R}$ (renormalized R) and negative xings to $\widehat{R}^{-1}$, and everything seems to work.

The Bottom Line: Without too much conviction, it seems better to renormalize V/F and leave R untouched.