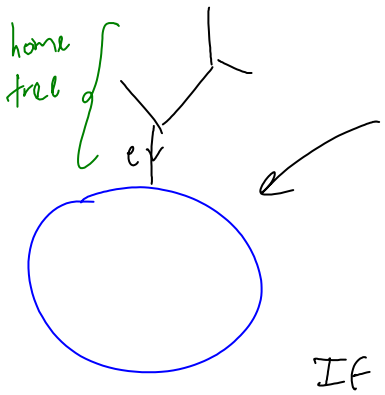
w-Link Relations

June-12-10
9:48 AM

(not a nice thing to write while flying over the Sahara Desert)

Goal 1 Get rid of trees.



wants to vanish because applying STU around e, the two sides are equal if all else on the way is ignored.

If the other stuff on the way belongs to other trees, the "cost" is diagrams with as many trees and with the home tree shrunk.

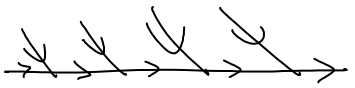
Problems 1. Struts.

2. Branches of the home tree itself.

The one-tree case. This should be easy - what is it as a statement about Lie_n?

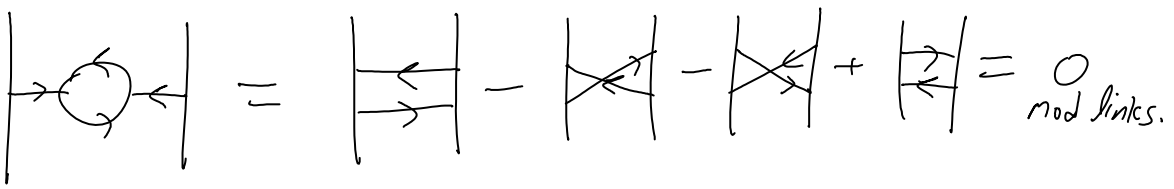
Question Is $[t d_{er_n}, t d_{er_n}] = t d_{er_n}$?

Idea - perhaps it will be better to work on the side of the leafs.



Question - what does "closing the loop" means in the differential-operators interpretation?

Goal 2 understand wheels. Is every wheel the divergence of a tree?

Is every invariant function the divergence of

an invariant vector field?