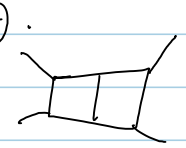
What Aarhus Does

August-10-11
2:17 PM

Given a fixed linking matrix Λ, let $\mathcal{D}^{ns}$ be the strutless part of $\mathcal{D}$. It is graded by the total degree m and by the leg-count $2l$:

$$\mathcal{D}^{ns} = \bigoplus_{m,l} \mathcal{D}^{ns}_{m,l}.$$

(E.g.  has $m=5$, $2l=4$, $l=2$)

Then $\mathring{A}_1 : \mathcal{D}^{ns}_{m,l} \longrightarrow \mathcal{A}(\emptyset)_{m-l}$.

Question. Is there a global meaning to the grading of $\mathcal{D}^{ns}$ by $(m-l)\hbar$?

Question. Is there a local Goussarov-style "bracelet theory"?