

GRT \Leftrightarrow Furusko's
Thm
(Willwacher 2010)

$PB = \{PB(n)\}$ is a non- Σ operad

$t = \{t_n = \frac{Fret(t_{ij})}{loc., \gamma T}\}$ is same.

$PaB = \{PaB(n)\}$ is a Σ -operad.

$\mathcal{S} := skeleton$ is same

Tammarkin

1. $N(PaB) \cong chains(D_2)$
 \uparrow
 nerve

Tammarkin's
main pts.

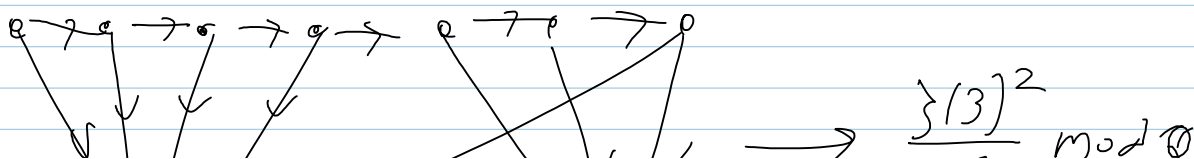
2. Lie algebras \rightarrow coalg.
 $t \longrightarrow \dots$

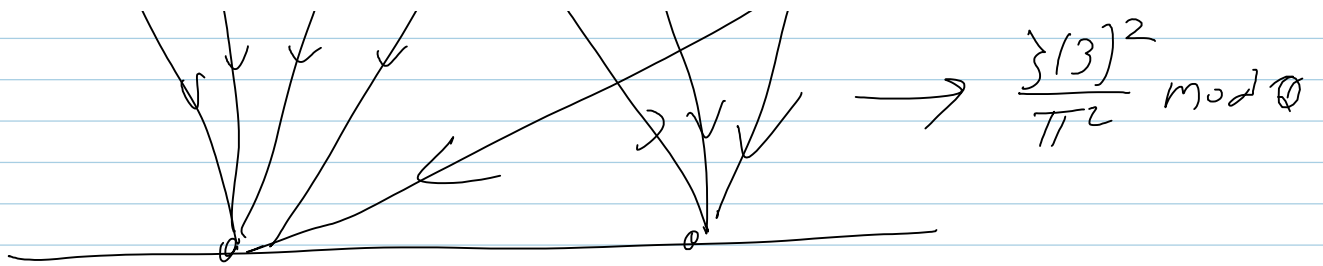
A comment on the Kontsevich propagator

\downarrow Arg ...

See video

Willwacher - Felder





A comment on the AT associator

The main point:

$$\mathbb{R} \hookrightarrow \mathbb{C}$$

$$\Downarrow$$

$$C_n(\mathbb{R}) = \frac{C_n(\mathbb{R})}{\mathbb{R}^* \times \mathbb{R}} \hookrightarrow \frac{C_n(\mathbb{C})}{\mathbb{R}^* \times \mathbb{C}} = C_n(\mathbb{C})$$

$$\Downarrow$$

$$\bar{C}_n(\mathbb{R}) \hookrightarrow \bar{C}_n(\mathbb{C}) \quad \left. \vphantom{\bar{C}_n(\mathbb{R})} \right\} \text{these are operators}$$

$$\left\{ \text{chains } \bar{C}(\mathbb{R}) \rightarrow \text{chains}(\mathbb{C}) \right\}$$

ASS G

A comment on GRT actions on polyvector fields.