

Joost Slingerland on Local representations of the loop braid group

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<http://www.thphys.may.ie/staff/joost/>

The action of wB_n on F_n is already due to Dahm (?).

Beautiful videos of smoke & bubble rings trading places.

(Search "extraordinary toroidal vortices", esp. see <https://www.youtube.com/watch?v=mHyTOcfF99o>)

A discussion of a presentation of PwB_n

Then a study of reps of the form

$$V \otimes V \otimes \dots \otimes V$$

[Namely, ones induced from a solution of YBE $k \in \mathbb{C}$ on a f.d. v.s.]

Them in some strange
sense the only local
representations of
PW Bn come from the
doubles of finite groups

(I wonder if does a
balloon-k-loop integral.)

Challenge: Do that for
the Buraan rep.

[meaning, find it inside
a local rep.]