

## Cap-Trivial Associators

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8:57 PM

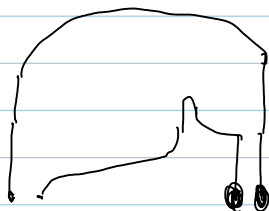
Q. Is there an algebraic construction of an associator in  $A^u(T_3)$ , whose image in  $A^w(\mathbb{P}_3)$  is trivial?

For the  $\gamma$ -symmetry — does the  $S_4$ -symmetric associator have this property?

Can it be arranged to have this property in every basis?

What's a good name for this property?

"cap-trivial"?



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Before thinking too hard I must convince myself that this is absolutely necessary.

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At least I should have some cap-controlled associators.

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Question. Do gauge-equivalent associators have the same capping?