Stefan Sakalos on quasitriangular quasibialgebras /joint w/ Severa

May-31-11
7:36 AM

I wish I understood the following progression:

1. Every group G has a double DG.
2. Every Hopf algebra H has a double DH
3. Every monoidal category $\mathcal{C}$ has a double $D\mathcal{C}$.

Now, $\mathrm{Rep}(DG)$ has a braided structure. [So there is a solution R of YB in $DG^{\otimes 2}$].

So somewhere in "$\mathrm{Rep}(D\mathcal{C})$" there is a braided structure.

Does this story mean anything in proj-world $\mathbb{Z}_6$?

"Bulacu" $\mathbb{Z}_6$ mentioned by Sakalos as having relevant papers