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Stabilizer bitorsors in double shuffle theory

Tuesday, August 30, 2022 9:00 AM (50 minutes)

We explain the construction of a pair of “Betti” and “de Rham” Hopf algebras and a pair of module-coalgebras over this pair, as well as the bitorsors related to both structures (which will be called the “module” and “algebra” stabilizer bitorsors). We show that Racinet’s DMR torsor constructed out of the double shuffle and regularization relations between multiple zeta values is essentially equal to the “module” stabilizer bitorsor and that it is also equal to the “algebra” stabilizer bitorsor. We explain why this is a step in the construction of an “intermediate” group between GRT and DMR.

(joint w H Furusho)

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