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The stabilizer Lie algebra of the harmonic coproduct

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For a finite abelian group G , Racinet constructed a Lie algebra \mathfrak{dmt}_0^G , which for $G = \mu_N$ describes double shuffle and regularisation relations between multiple polylogarithm values specialized to N^{th} roots of unity. Enriquez and Furusho then identified this Lie algebra with the stabilizer Lie algebra $\mathfrak{stab}(\Delta^M)$ of a coalgebra (M, Δ^M) appearing in Racinet's formalism. On the other hand, Racinet's formalism provides a Hopf algebra (

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