Hopf25

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Parallel sessions, Forum E
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15h-15h25

Homological properties of braided Hopf algebras

A twisted Calabi-Yau algebra is an algebra having a certain duality between its Hochschild homologies and cohomologies. In this talk I will present a convenient criterion that ensures that a braided Hopf algebra in a comodule category is twisted Calabi-Yau. The example of the two-parameter braided quantum SL_2 will be presented in detail.

The presentation will cover results from a recent paper with my supervisor Julien Bichon.