
Hopf25

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Parallel sessions, Forum F

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15h-15h25

On Algebraic Quantum Transformation Groupoids

Algebraic quantum transformation groupoids are a class of measured multiplier Hopf $*$ -algebroids, in the sense of T. Timmermann, that contain as particular case transformation groupoids and algebraic quantum groups in the sense of A. Van Daele. The main ingredient of our algebraic construction is that of a braided commutative measured Yetter-Drinfeld $*$ -algebra over an algebraic quantum group, and one of the interesting features of those quantum objects is that they are closed by a Pontryagin-like duality. This talk is based on the work <https://arxiv.org/abs/2306.17753>.