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Talk: Fusion products and finite-dimensional quotients for periodic Temperley-Lieb algebras

Thursday 9 February 2023 17:10 (55 minutes)

In this talk, I will report on recent developments in the study of periodic Temperley-Lieb algebras and their applications in physics. I will first discuss ongoing progress done in collaboration with Y. Ikhlef in defining fusion products for representations of these algebras, that reproduce the expected fusion rules in conformal field theory. I will also describe joint work with A. Langlois-Rémillard on the study of finite-dimensional quotients for these algebras and the construction of their Wenzl-Jones projectors.

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