Coloquio IMAFI

Instituto de Matemática y Física

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Modular representation theory of finite groups of Lie type

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Abstract

I will report on recent progress in modular representation theory of some finite groups of Lie type (joint with O. Dudas and E. Vasserot).

The key point will the link between the classical Harish-Chandra theory and the combinatorics of the Fock space. This can be explained using Khovanov and Rouquier new ideas on categorical actions.

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