

Conferencia

Combinatorial aspects of quantum permutation groups

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Resumen:

The free analogue of the symmetric group S_n is the quantum group S_n^+ , introduced by Wang about 10 years ago. Quite surprisingly, this quantum group is in general not finite. I will present a few combinatorial techniques, partly coming from compact groups and/or probability theory, which allow one to study this quantum group. This is mainly based on joint work with Bichon, Collins, Curran and Speicher.