

Opening conference of the CRC 1624: Higher structures, moduli spaces and integrability

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talk 1: Quantum groups from Fukaya Categories

Monday 31 March 2025 09:30 (50 minutes)

There is a family of Fukaya categories, or categories of A-branes, labeled by a choice of a Lie algebra, which categorify Chern-Simons invariants of links. I will describe how categorified quantum group symmetry, co-product included, emerge from a certain natural set of cutting and gluing operations which these Fukaya categories possess.

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