

Quantum invariants of knots

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Sakie Suzuki (RIMS Kyoto)



Abstract: Knot theory aims to understand the structure of knotted strings in a space. Knot theory made great strides in the 1980s, with the discovery of quantum invariants. Quantum invariants originate not only in topology but also in mathematical physics related to quantum mechanics. In this talk I will give an introduction to quantum invariants, and state motivation and some results of my research.