

Quantum K-Rings of Partial Flag Varieties, the Coulomb Branch, and the Bethe Ansatz

Monday 6 October 2025 16:00 (1 hour)

We prove two conjectured presentations of the quantum K -ring of type A partial flag varieties, one coming from quantum field theory, the other coming from quantum integrable systems. Our main tool to do this is using abelianization, which also gives a purely geometric interpretation for the Bethe Ansatz equations, which appear in both conjectures.

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