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Mikhail Bershtein- "Quantum groups"

Wednesday, December 3, 2025 10:15 AM (55 minutes)

The theory of quantum groups developed in the 1980s from attempts to understand structures that appear in integrable models of quantum field theory and statistical physics. Remarkably, almost immediately, quantum groups found applications in representation theory, low-dimensional topology, enumerative geometry, and many other areas of mathematics. In the talk, I will review some basic ideas, examples, and applications of quantum groups.