

Boğaziçi MATH COLLOQUIUM

Quantum Yang-Baxter Equation

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Abstract:

I will review the quantum Yang-Baxter equation which plays a prominent role in modern mathematical physics, especially in statistical mechanics, string theory, knot theory, topology, etc. Then I will present new solutions to the Yang-Baxter equation and discuss their properties. If time permits I will discuss the role of the Yang-Baxter equation in different areas of mathematical physics.

Date : Wednesday, May 10, 2023

Time: 13:30

Place: TB 130, Boğaziçi University