

# Quantum Curves and Black holes

*Friday, 19 January 2024 09:30 (1 hour)*

In recent decades, the field of physical mathematics has undergone remarkable developments, leading to numerous powerful results. Among them is the discovery of connections between quantum spectral problems on the one hand, and supersymmetric gauge theory or topological string theory on the other. In this talk I will review some aspects of this correspondence and discuss an intriguing new connection between such framework and black holes.

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