

Irregular conformal field theory and Painlevé equations

Thursday, 24 September 2026 12:00 (20 minutes)

In this talk, a notion of irregular conformal blocks in two-dimensional conformal field theory will be presented. It is expected that such irregular conformal blocks are related to the isomonodromic tau functions of Painlevé equations. I will consider, as an example, the Painlevé I equation and give details of the relation to irregular conformal field theory.

Primary authors: IORGOV, Nikolai (Bogolyubov Institute for Theoretical Physics); IWAKI, Kohei; LISOVYY, Oleg; ZHURAVLOV, Yurii (Bogolyubov Institute for Theoretical Physics of the National Academy of Sciences of Ukraine)

Presenter: IORGOV, Nikolai (Bogolyubov Institute for Theoretical Physics)

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