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Type: **Invited Talk**

The ODE-IM correspondence and PT symmetry

Thursday 29 November 2018 14:25 (25 minutes)

In this talk I will describe a surprising link between discrete structures found in two different contexts: the Stokes phenomenon as arises in problems in PT symmetric quantum mechanics, and the functional equations that encode the properties of certain integrable quantum field theories. One spin-off from this connection has been a proof of spectral reality in a set of PT-symmetric problems introduced by Bender and Boettcher, and this will also be (briefly) described.

Content of the contribution

Theory

Author: Prof. DOREY, Patrick (Durham University)**Presenter:** Prof. DOREY, Patrick (Durham University)**Session Classification:** PT symmetric Hamiltonians**Track Classification:** [9] PT symmetric Hamiltonians