



Mathematics and CS Seminar

Logarithmic lambda-connections, singular opers and Hilbert schemes of points on ruled surfaces

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Host: Tamas Hausel

I'll start by introducing the notions of logarithmic lambda-connections, parabolic structure, stability, moduli space, and Hilbert scheme of points on surfaces.

Then I'll go on to discuss apparent singularities of lambda-connections, elementary transformations and opers. In the second part of the talk I will explain joint work with Masa-Hiko Saito on a birational map between the moduli space of stable parabolic logarithmic Higgs bundles on a smooth projective curve C and the Hilbert scheme of points on a ruled surface over C . I end the talk by discussing the indeterminacy locus of this birational map.

Thursday, April 4, 2019 01:30pm - 03:30pm

IST Austria Campus Big Seminar room Ground floor / Office Bldg West (I21.EG.101)



This invitation is valid as a ticket for the IST Shuttle from and to Heiligenstadt Station. Please find a schedule of the IST Shuttle on our webpage: <https://ist.ac.at/en/campus/how-to-get-here/> The IST Shuttle bus is marked IST Shuttle (#142) and has the Institute Logo printed on the side.