

SEMINÁRIO DO GRUPO DE FÍSICA MATEMÁTICA

Dia 23 de Junho (sexta-feira), às 11h00, sala 6.2.33

The ODE/IM correspondence. State of art and future directions

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Abstract: I will present the ODE/IM correspondence in its most simple incarnation: the Liouville model. After reviewing the known results, I will shift the point of view to a geometric interpretation of the Liouville equation. The aim is to exploit the geometric structure underlying the classical integrable equations to gain a deeper understanding of the ODE/IM correspondence. I will then move to describe the “massive” version of the correspondence. If time allows I will briefly talk about possible generalizations to supersymmetric models and $T\bar{T}$ -deformed equations.

A visita do orador é financiada pelo projeto PTDC/MAT-STA/0975/2014.