

Minicurso impartido por los Profs.

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Parametrization of the Loewner-Kufarev evolution in Sato's Grassmannian

Abstract: After giving introductory remarks and motivation ideas of the Loewner evolution, integrable systems, Virasoro algebra and Grassmannians we discuss complex and Cauchy-Riemann structures of the Virasoro algebra and of the Virasoro-Bott group in relation with the Loewner-Kufarev evolution. Based on the Hamiltonian formulation of this evolution we obtain an infinite number of conserved quantities and provide embedding of the Loewner-Kufarev evolution into Sato's Grassmannian.

Lugar: Seminario del Departamento de Análisis Matemático (5ª planta)

Días: 18, 20, 24 y 26 de Enero de 2011.

Hora: 11:00

Organiza: Grupo de Análisis Real y Complejo

Subvenciona: Nils Mobility Project y Universidad de La Laguna