FACULTAD DE CIENCIAS
FÍSICAS Y MATEMÁTICAS
UNIVERSIDAD DE CHILE

CMM
Center for
Mathematical
Modeling

cmm.uchile.cl

Beauchef 851, edificio norte, piso 7
Santiago, CHILE
CP 837 0456

tel +56 2 2978 4870

SEMINARIO DE SISTEMAS DINÁMICOS DE SANTIAGO

SPEAKER

Eduardo Oregon Reyes
University of California, Berkeley

TITLE

The Avalanche Principle and Negative Curvature

ABSTRACT:

In 2001, M. Goldstein and W. Schlag introduced the Avalanche Principle, a quantitative sufficient condition for the operator norm $\|A_N\cdots A_1\|$ of a product of matrices in $\mathrm{SL}_2(\mathbb{R})$, to being similar to the product $\|AN\|\cdots \|A_1\|$. Since then several refinements and generalizations have appeared in the literature. In this talk I will present a reformulation of this principle in terms of the geometry of the hyperbolic plane, and show how to extend it to metric spaces of negative curvature.

TIME (Mon 1th July) 3:30 pm - 4:30 pm
LOCATION Auditorio Jorge Krause ubicado en el segundo piso de la Facultad de Física, Av. Vicuña Mackenna 4860, Macul, La Florida

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