

SEMINARIO DE SISTEMAS DINÁMICOS DE SANTIAGO

SPEAKER: Carlos Vásquez (Pontificia Universidad Católica de Valparaíso)

TITLE: *Linear response formula for the topological entropy at the time one map of a geodesic flow on a manifold of negative curvature*

ABSTRACT: Let f be the time one map of a geodesic flow on a manifold of constant negative curvature with μ its Liouville measure. Consider f_t , a C^3 family of diffeomorphisms with $f_0 = f$. In this talk we discuss about the differentiability of the map $t \mapsto h_{\text{top}}(f_t)$ at $t = 0$, and we provide an explicit formula for its derivative.

This is a joint work with Pancho Valenzuela-Henríquez and Radu Saghin from PUCV.

Wednesday December 2nd, 2020 / 3:30 PM - 4:20 PM (Santiago Time)

Para mayor información comunicarse con los siguientes e-mails:

raimundo.briceno@mat.uc.cl o felipe.riquelme@pucv.cl