

GEOMETRY seminar

TRUNKENNESS OF A VECTOR FIELD

SPEAKER: Ana Rechtman (Univ. Strasbourg)

DATE: Wednesday, 14 November 2018 - 12:00

PLACE: Aula Gris 1, ICMAT (Campus de Cantoblanco, Madrid)

ABSTRACT: I will present the construction of an invariant for a vector field with an invariant measure on a three manifold. The word invariant refers to quantities that remain constant under conjugation by measure preserving diffeomorphisms or homeomorphisms. The construction was motivated by a knot invariant, the trunk, introduced for the study of satellite knots. This is a joint work with Pierre Dehornoy.