

IFWGP'07 | International Fall Workshop on Geometry and Physics

Speaker: Vicente Munoz
Title: Ergodic solenoids.
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Abstract:

Solenoids are laminated spaces with a transversal structure. We define generalized currents associated with immersions of solenoids with a transversal measure. We prove a realization theorem for any real homology class of a compact manifold using solenoids with a transversal structure satisfying an ergodicity property. These solenoids provide the right framework for unifying well-known theories due to Schwartzman and Ruelle-Sullivan.