

Seminário de sistemas dinâmicos e estocásticos

IMECC - UNICAMP

Título: Classification of foliations via disintegration maps.

Renata Possobon

UNICAMP

Resumo:

This talk explores the use of structures of probability spaces to tackle the disintegration of measures, incorporating the statistical and geometric properties of the system. We present a novel approach for analyzing the relationship between the supports of conditional measures and their geometric arrangement in the space of probabilities via the disintegration map. Our method establishes criteria to determine when such conditional measures arise from a metric measure foliation. Additionally, we provide a concrete example showing how this framework can be applied to study deformations of disintegration-induced foliations; the talk is based on joint work with Florentin Munch and Christian Rodrigues.