

The classification problem for partially hyperbolic diffeomorphisms.

Rafael Potrie (Centro de Matemática – Univ. de la República)

Abstract:

The idea is to present recent results about classification of partially hyperbolic diffeomorphisms (mainly in dimension 3) as well as recent examples, constructed with C. Bonatti, A. Gogolev and K. Parwani showing that the classification problem might be more complicated than what it was initially expected. We shall also try to focus on which should be the important questions in order to continue with the classification program.