Title: Geometric properties of partially hyperbolic attractors.

Rafael Potrie - Centro de Matemática - Univ. de la Republica

Abstract: We develop a perturbation result in the C^1 topology which allows to show that a partially hyperbolic set saturated by strong unstable leafs cannot have joint integrability of strong bundles at no point in an open and dense subset of diffeomorphisms. When the center dimension is one, we can apply such results to obtain finiteness of minimal saturated sets in such partially hyperbolic sets. In dimension 3, this has as a consequence that far from homoclinic tangencies generic diffeomorphisms can have at most finitely many quasi-attractors. This is joint work with S.Crovisier and M.Sambarino.