Seminário Doutoral

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A Survey on Stable Manifolds and Hyperbolic Sets

ABSTRACT: We will explore a general fiber bundle version of the celebrated Stable Manifold theorem which we later use to prove the Stable Manifold theorem in the setting of Hyperbolic Sets. We proceed by studying the possible smoothness of the tangent splitting given by the hyperbolicity. We finish by delving into the robustness of hyperbolic sets under small perturbations.

This seminar inserts itself in the PhD program of the speaker. The subject was chosen between an array of topics concerning Dynamical Systems that were studied throughout the semester.

Dia: **22 de Janeiro de 2019**
Hora: **14 horas**
Sala: **6.2.33**