

Ergodic and statistical properties of slowly chaotic systems

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Abstract. Smooth dynamical systems can be (roughly) divided into three classes: (partially) hyperbolic, parabolic and elliptic. I will shortly discuss some general characteristic features of each of these classes. Then I will focus on the class of parabolic dynamical systems. These systems typically display intermediate type of chaotic behavior (called slow chaos). I will discuss recent developments and results around ergodic and statistical properties for parabolic dynamical systems.