Jean Pierre Marco | Sorbonne Université | UPMC

Title: Examples of constructions of higher dimensional hyperbolic tori with controlled splitting

Abstract. In this talk I will generalize a simple trick to produce splitting for the separatrices of (the timeone map of) a simple pendulum, to hyperbolic tori of any dimension $m \ge 2$. The examples will be constructed in the Gevrey class, and the splitting is bounded from below by a term of the form $\ensuremath{\ansuremath{\ensuremath{$