***Título**: Short Synchronizing Words for Random Automata*

***Abstract**: We prove that a random deterministic finite automaton on n states has a synchronizing word of length O(n^{1/2}\log n) with high probability, confirming conjectures of several authors based on numerical simulations. The best theoretical result prior to this work was the bound O(n \log^3 n) given by Cyril Nicaud. This is joint work with Guillaume Chapuy.*