

---

**RITA JIMENEZ**, Universidad Nacional Autónoma de México

*On the cohomology of spaces of maximal tori in classical Lie groups*

In this talk I will explain how point-counting over finite fields can be used to obtain cohomological information about certain spaces of maximal tori in classical Lie groups. In particular, it can be used to obtain "twisted homological stability" and to show that the stable Betti numbers are quasipolynomial and satisfy linear recurrence relations. This is joint work with Jason Fulman and Jennifer Wilson.