

Topological generation of simple non-archimedean groups

Bertrand Rémy¹

¹ Centre de Mathématiques Laurent Schwartz, UMR 7640, CNRS-École polytechnique, France

We will deal with the problem of counting the minimal number of topological generators for simple algebraic groups over local fields. We have almost complete answers in the split case. The proofs make use of notions from profinite groups and the Bruhat-Tits theory of reductive groups over local fields, and uses arguments from finite simple group theory. This is joint work with Inna Capdeboscq (Warwick University).