KIRILL ZAYNULLIN, University of Ottawa

Canonical dimension and unimodular degree of a root system

We produce a short and elementary algorithm to compute an upper bound for the canonical dimension of a spit semisimple linear algebraic group. Using this algorithm we confirm previously known bounds by Karpenko and Devyatov as well as we produce new bounds (e.g. for groups of types F_4, adjoint E_6, for some semisimple groups).