Results and conjectures about irreducibility of parabolic induction of representations of the general linear group over a local non-archimedean field

Abstract:

The representation theory of GL(n,F), F non-archimedean is a classical subject initiated by Bernstein and Zelevinsky in the 1970s.

I will review some recent results and conjectures which aim to characterize irreducibility of parabolic induction, in terms of geometry. Joint with Alberto Minguez