

Noriyuki Abe

A classification of irreducible admissible modulo p representations of reductive p -adic groups

We describe a classification of irreducible admissible modulo p representations (representations over a field of characteristic p) of reductive p -adic group in terms of supercuspidal representations. This generalizes the result of Barthel-Livne for (2), Herzig for (n) and my previous work for split groups. Our motivation is the hypothetical modulo p Langlands correspondence. This is a joint work with G. Henniart, F. Herzig and M.-F. Vignéras.