

Title: Simple modules of pro- p Iwahori Hecke algebras

Abstract: We have a classification of the simple modules of the pro- p Iwahori Hecke C -algebras of reductive p -adic groups $G = \underline{G}(F)$ where F is a finite extension of \mathbb{Q}_p or of $F_p((X))$ and C an algebraically closed field of characteristic p . It consists of two parts: the classification of supersingular modules (Ollivier-Vignéras) and the description of induced representations (Abe).